

Data Path : Z:\HPCHEM1\BNA F\Data\BF012617\
 Data File : BF092540.D
 Acq On : 26 Jan 2017 22:20
 Operator : SJ/MA
 Sample : I1448-09MSD
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHA-WCS-012317-1(0-70)MSD

Manual Integrations
 APPROVED

mohammad
 1/27/2017 3:03:10 PM

Quant Time: Feb 03 10:26:02 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 24 13:48:07 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	156546	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	656650	20.00	ng	-0.01
38) Acenaphthene-d10	10.03	164	310134	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	590981	20.00	ng	-0.01
75) Chrysene-d12	14.16	240	404072	20.00	ng	-0.01
86) Perylene-d12	15.63	264	15418	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	1302979	129.50	ng	0.03
7) Phenol-d6	6.60	99	1517342	118.39	ng	0.01
23) Nitrobenzene-d5	7.54	82	1095894	91.16	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	366493	173.41	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	1820625	108.55	ng	-0.01
78) Terphenyl-d14	13.11	244	1569450	103.43	ng	-0.01

Target Compounds						Qvalue
2) 1,4-Dioxane	2.83	88	179808	33.60	ng	# 71
3) Pyridine	3.80	79	12344m	0.81	ng	
4) n-Nitrosodimethylamine	3.47	42	248443	33.24	ng	# 87
6) Aniline	6.65	93	19312	1.01	ng	# 48
8) 2-Chlorophenol	6.75	128	440354	41.67	ng	90
9) Benzaldehyde	6.51	77	250992	27.60	ng	88
10) Phenol	6.61	94	619210	40.03	ng	# 66
11) bis(2-Chloroethyl)ether	6.70	93	493948	42.68	ng	95
12) 1,3-Dichlorobenzene	6.91	146	488384m	39.07	ng	
13) 1,4-Dichlorobenzene	6.99	146	499349	39.69	ng	93
14) 1,2-Dichlorobenzene	7.14	146	442576	37.08	ng	99
15) Benzyl Alcohol	7.10	79	110213	11.41	ng	95
16) 2,2'-oxybis(1-Chloropropan	7.25	45	884773	38.64	ng	93
17) 2-Methylphenol	7.22	107	374792	41.50	ng	96
18) Hexachloroethane	7.48	117	165559	38.20	ng	91
19) n-Nitroso-di-n-propylamine	7.39	70	375463	43.02	ng	96
20) 3+4-Methylphenols	7.38	107	458989	41.89	ng	90
22) Acetophenone	7.38	105	667974	42.71	ng	# 88
24) Nitrobenzene	7.55	77	507927	40.33	ng	100
25) Isophorone	7.80	82	1028001	43.40	ng	98
26) 2-Nitrophenol	7.87	139	254295	48.19	ng	93
27) 2,4-Dimethylphenol	7.92	122	449955	41.00	ng	94
28) bis(2-Chloroethoxy)methane	8.01	93	231609	14.90	ng	# 97
29) 2,4-Dichlorophenol	8.12	162	446695	46.94	ng	97
30) 1,2,4-Trichlorobenzene	8.20	180	412439	40.10	ng	96
31) Naphthalene	8.28	128	1329432	39.56	ng	99
32) Benzoic acid	8.03	122	381075	46.60	ng	94
33) 4-Chloroaniline	8.36	127	5503	0.39	ng	93
34) Hexachlorobutadiene	8.41	225	223050	39.65	ng	98
35) Caprolactam	8.70	113	97395m	30.65	ng	
36) 4-Chloro-3-methylphenol	8.82	107	479160	46.70	ng	91
37) 2-Methylnaphthalene	8.98	142	899856	42.29	ng	99
39) 1,2,4,5-Tetrachlorobenzene	9.15	216	422842	54.05	ng	99
40) Hexachlorocyclopentadiene	9.14	237	406757	103.82	ng	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.26	196	350787	58.53	nq	94
43) 2,4,5-Trichlorophenol	9.30	196	309439	56.42	nq	92
45) 1,1'-Biphenyl	9.45	154	1129377	50.38	nq	97
46) 2-Chloronaphthalene	9.47	162	880344	48.08	nq	95
47) 2-Nitroaniline	9.56	65	129937	21.07	nq	89
48) Acenaphthylene	9.89	152	861093	32.06	nq	98
49) Dimethylphthalate	9.76	163	1212048	61.46	nq	100
50) 2,6-Dinitrotoluene	9.81	165	285386	70.80	nq	95
51) Acenaphthene	10.06	154	908102	54.42	nq	97
52) 3-Nitroaniline	9.97	138	28116	5.57	nq	93
53) 2,4-Dinitrophenol	10.09	184	276563	93.27	nq	# 69
54) Dibenzofuran	10.24	168	1220336	53.85	nq	97
55) 4-Nitrophenol	10.14	139	419533	104.64	nq	93
56) 2,4-Dinitrotoluene	10.21	165	316825	59.21	nq	92
57) Fluorene	10.58	166	915874	54.51	nq	97
58) 2,3,4,6-Tetrachlorophenol	10.35	232	245622	59.78	nq	100
59) Diethylphthalate	10.45	149	1057635	55.93	nq	98
60) 4-Chlorophenyl-phenylether	10.57	204	429575	52.71	nq	95
61) 4-Nitroaniline	10.59	138	74337	14.72	nq	91
62) Azobenzene	10.73	77	815280	37.88	nq	96
64) 4,6-Dinitro-2-methylphenol	10.62	198	215324	65.59	nq	87
65) n-Nitrosodiphenylamine	10.69	169	78512	4.25	nq	98
66) 4-Bromophenyl-phenylether	11.06	248	265675	44.52	nq	94
67) Hexachlorobenzene	11.13	284	278289	46.14	nq	# 92
68) Atrazine	11.32	200	73581	11.65	nq	# 36
69) Pentachlorophenol	11.32	266	352725	91.47	nq	98
70) Phenanthrene	11.54	178	1412368	43.40	nq	99
71) Anthracene	11.60	178	1429922	44.96	nq	99
72) Carbazole	11.74	167	91454	3.01	nq	96
73) Di-n-butylphthalate	12.08	149	1646817	47.42	nq	98
74) Fluoranthene	12.73	202	1347681	42.34	nq	98
77) Pyrene	12.96	202	871654	29.77	nq	100
79) Butylbenzylphthalate	13.57	149	365023	30.77	nq	98
80) Benzo(a)anthracene	14.15	228	1004028	46.23	nq	99
81) 3,3'-Dichlorobenzidine	14.11	252	1302	0.16	nq	# 41
82) Chrysene	14.19	228	1174943	50.66	nq	99
83) Bis(2-ethylhexyl)phthalate	14.13	149	957378	64.09	nq	100
84) Di-n-octyl phthalate	14.75	149	1677663	61.87	nq	98
85) Indeno(1,2,3-cd)pyrene	17.12	276	369053	21.51	nq	# 72
87) Benzo(b)fluoranthene	15.21	252	1006405m	1016.77	nq	
88) Benzo(k)fluoranthene	15.23	252	544317m	661.35	nq	
89) Benzo(a)pyrene	15.57	252	351286	419.53	nq	98
90) Dibenzo(a,h)anthracene	17.14	278	625689	924.08	nq	97
91) Benzo(g,h,i)perylene	17.56	276	297160	433.97	nq	# 91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

```
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Misc      :  
ALS Vial  : 29      Sample Multiplier: 1
```

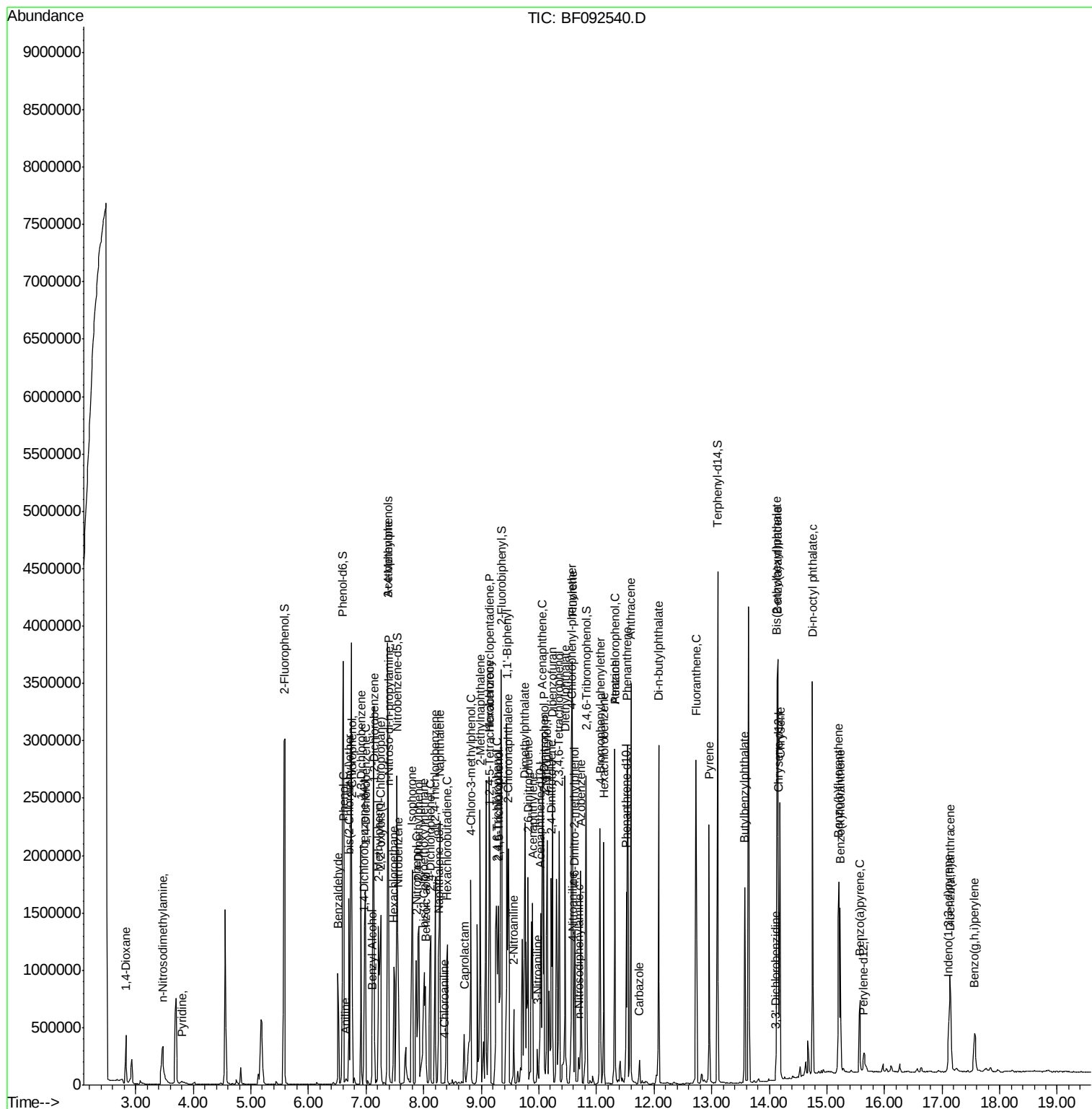
Instrument :
BNA_F

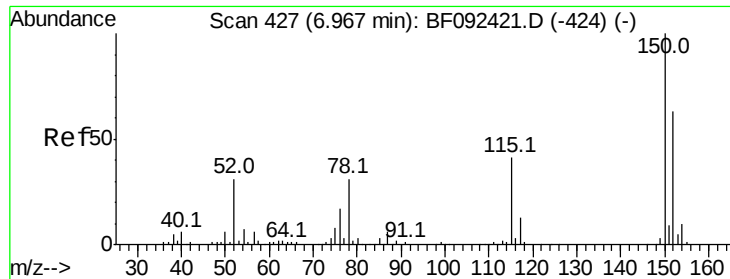
ClientSampleId :
CHA-WCS-012317-1(0-70)MSD

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.97 min Scan# 427

Delta R.T. 0.00 min

Lab File: BF092540.D

Acq: 26 Jan 2017 22:20

Instrument :

BNA_F

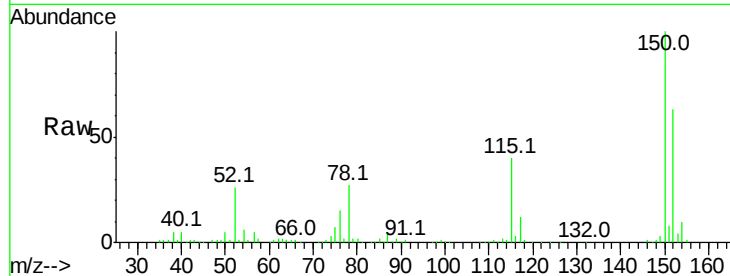
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CHA-WCS-012317-1(0-70)MSD

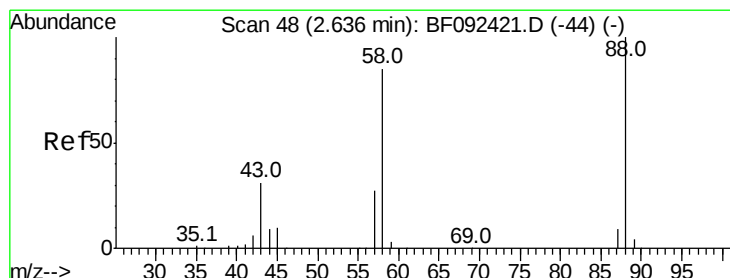
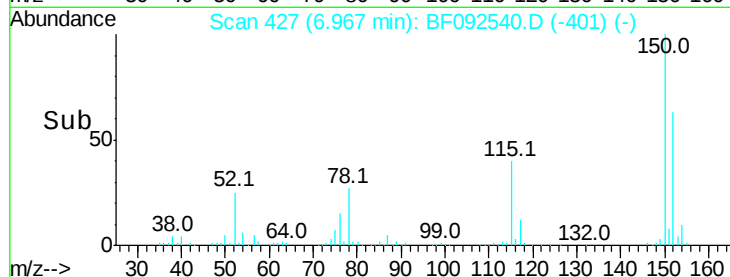
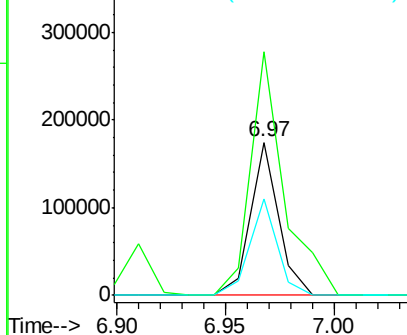
Tot Ion:	152	Resp:	156546
Ion Ratio	Lower	Upper	
152	100		
150	158.8	124.9	187.3
115	63.2	46.0	69.0

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 33.60 ng

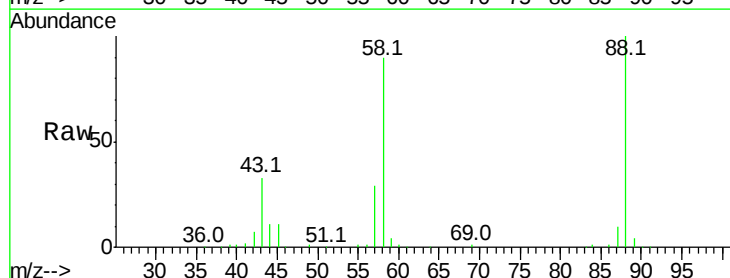
RT: 2.83 min Scan# 65

Delta R.T. 0.19 min

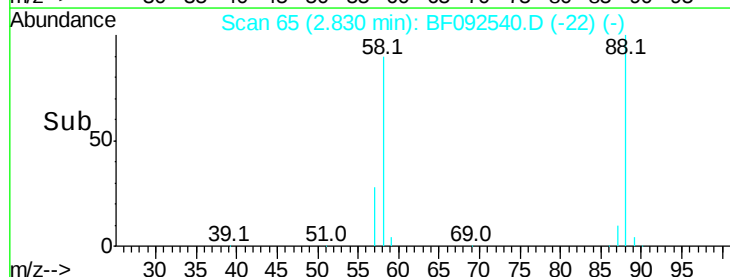
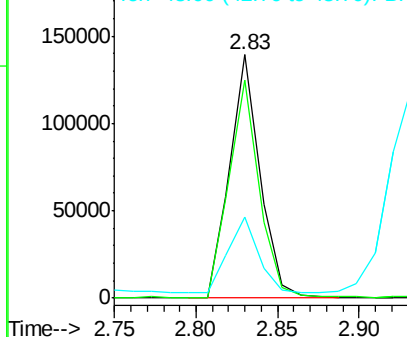
Lab File: BF092540.D

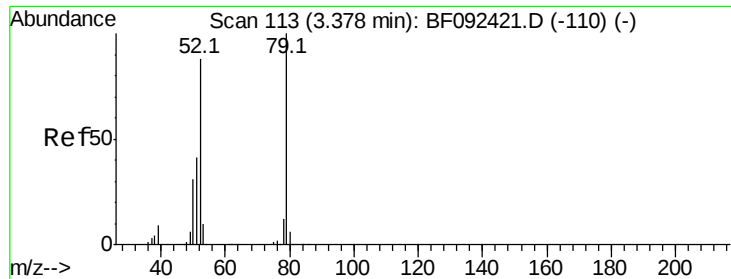
Acq: 26 Jan 2017 22:20

Tgt Ion:	88	Resp:	179808
Ion Ratio	Lower	Upper	
88	100		
58	88.7	57.8	86.8#
43	0.0	22.3	33.5#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





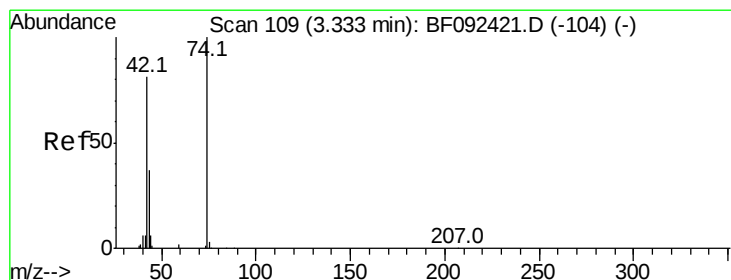
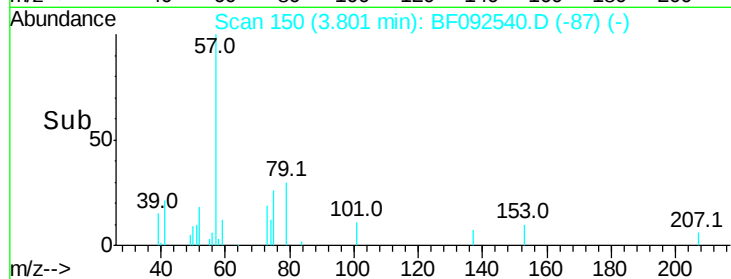
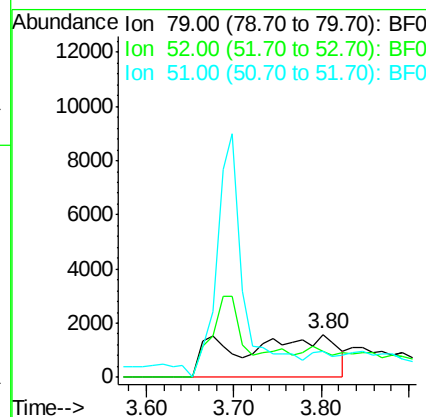
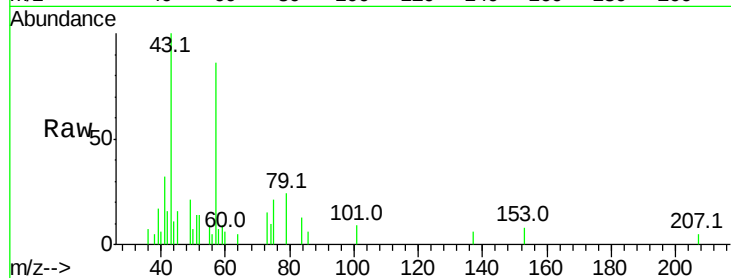
#3
Pvridine
Concen: 0.81 ng/ml
RT: 3.80 min Scan# 150
Delta R.T. 0.42 min
Lab File: BF092540.D
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Tot Ion	Ratio	Lower	Upper
79	100		
52	60.4	57.1	85.7
51	60.4	27.3	40.9

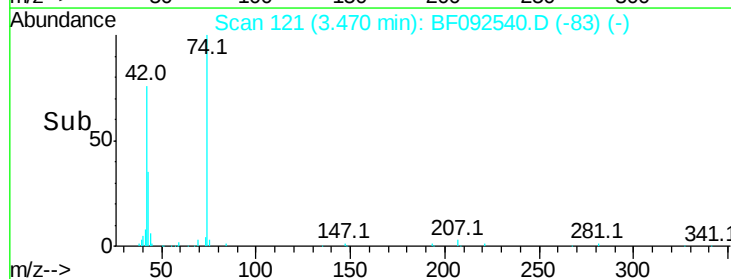
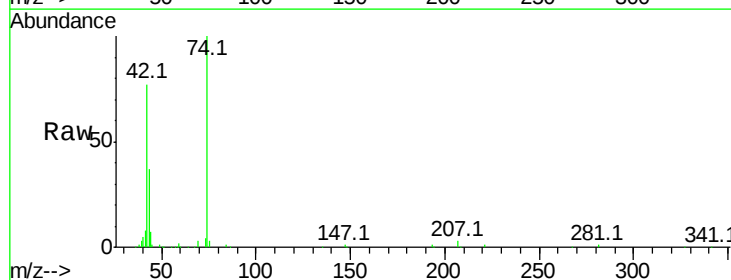
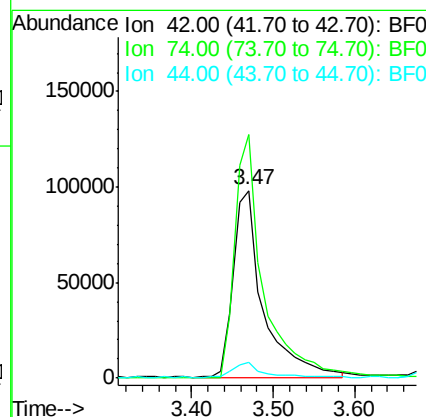
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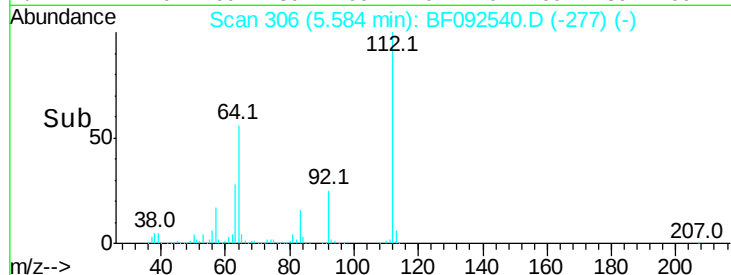
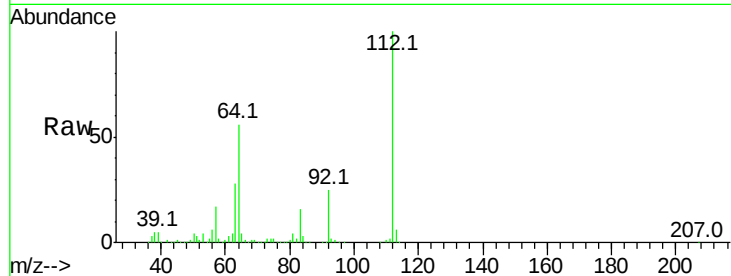
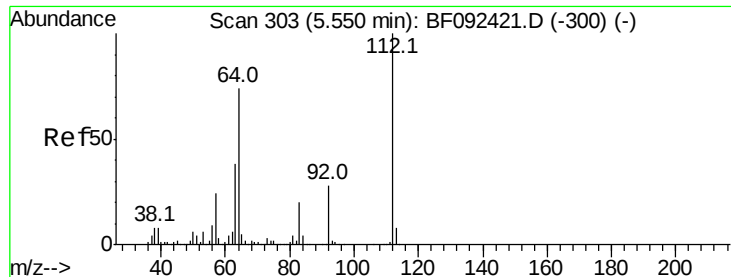
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#4
n-Nitrosodimethylamine
Concen: 33.24 ng
RT: 3.47 min Scan# 121
Delta R.T. 0.14 min
Lab File: BF092540.D
Acq: 26 Jan 2017 22:20

Tgt Ion	Ratio	Lower	Upper
42	100		
74	129.9	117.0	175.4
44	8.5	5.5	8.3





#5

2-Fluorophenol

Concen: 129.50 ng

RT: 5.58 min Scan# 306

Delta R.T. 0.03 min

Lab File: BF092540.D

Acq: 26 Jan 2017 22:20

Instrument :

BNA_F

ClientSampleId :

CHA-WCS-012317-1(0-70)MSD

Tot Ion:112 Resp: 1302979

Ion Ratio Lower Upper

112 100

64 55.6 46.1 69.1

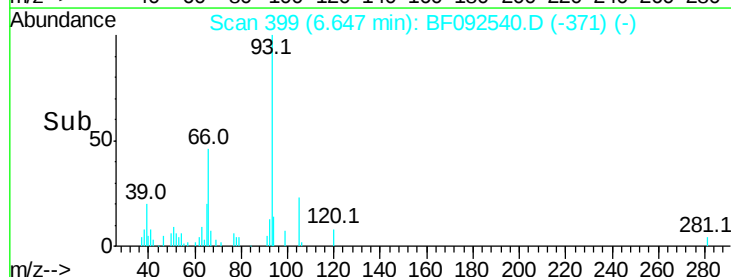
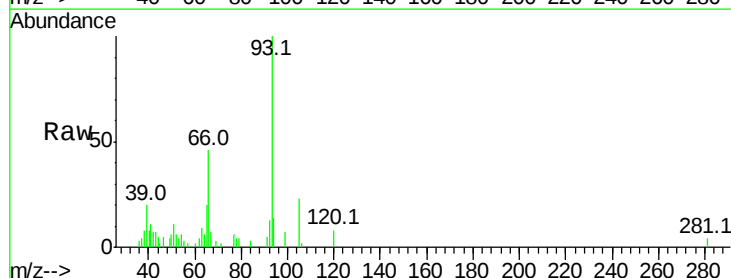
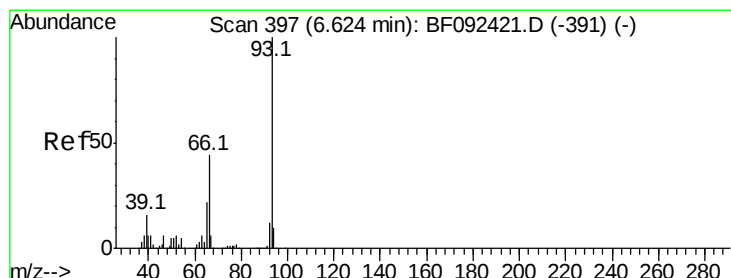
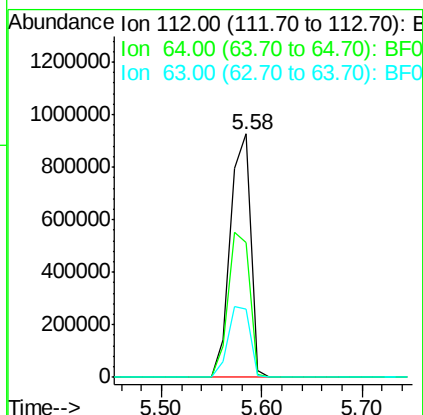
63 28.1 23.8 35.6

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#6

Aniline

Concen: 1.01 ng

RT: 6.65 min Scan# 399

Delta R.T. 0.02 min

Lab File: BF092540.D

Acq: 26 Jan 2017 22:20

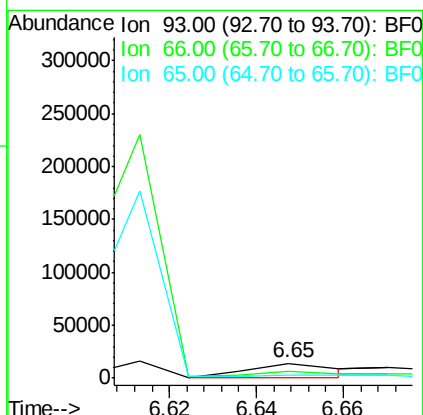
Tgt Ion: 93 Resp: 19312

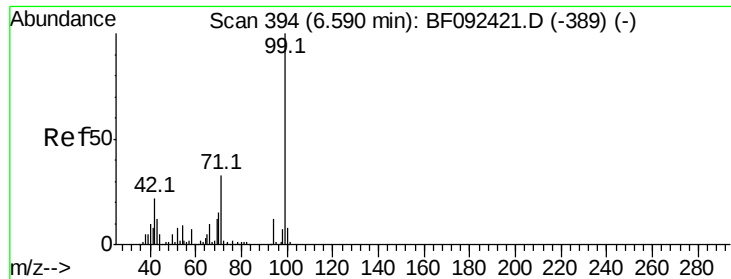
Ion Ratio Lower Upper

93 100

66 46.0 76.2 114.2#

65 20.2 49.3 73.9#





#7

Phenol-d6

Concen: 118.39 ng

RT: 6.60 min Scan# 395

Delta R.T. 0.01 min

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Tot Ion: 99 Resp: 1517342

Ion Ratio Lower Upper

99 100

42 19.6 15.6 23.4

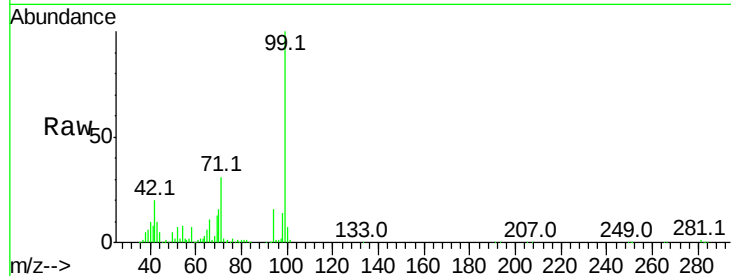
71 31.0 27.5 41.3

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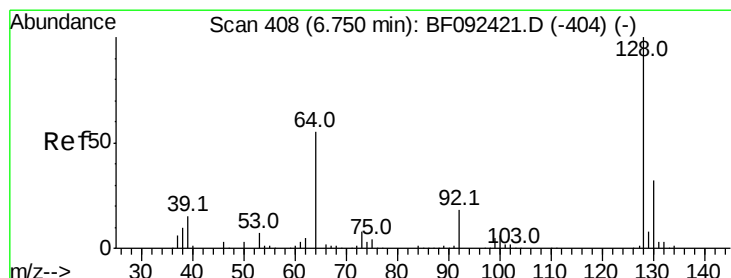
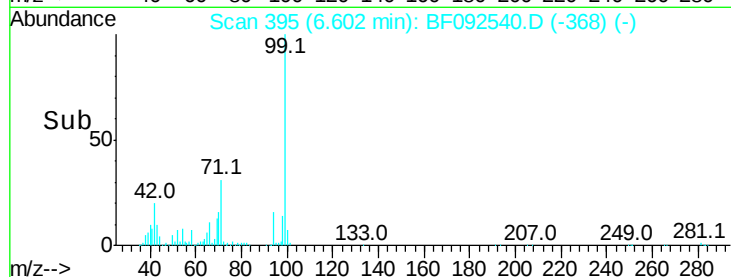
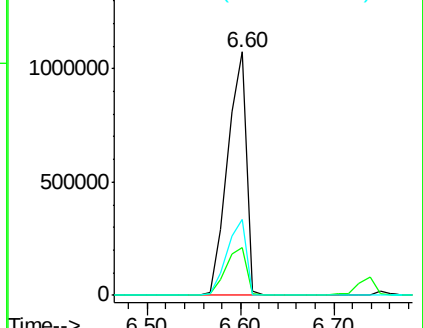
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 41.67 ng

RT: 6.75 min Scan# 408

Delta R.T. 0.00 min

Lab File: BF092540.D

Acq: 26 Jan 2017 22:20

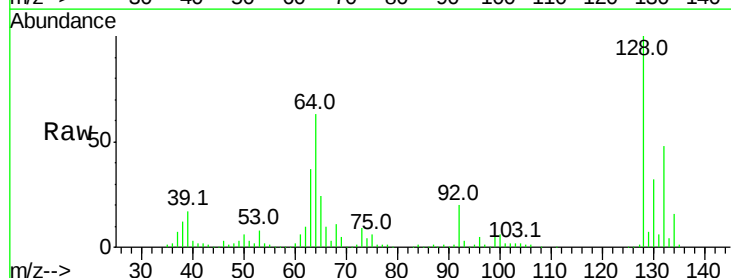
Tgt Ion:128 Resp: 440354

Ion Ratio Lower Upper

128 100

130 32.1 12.3 52.3

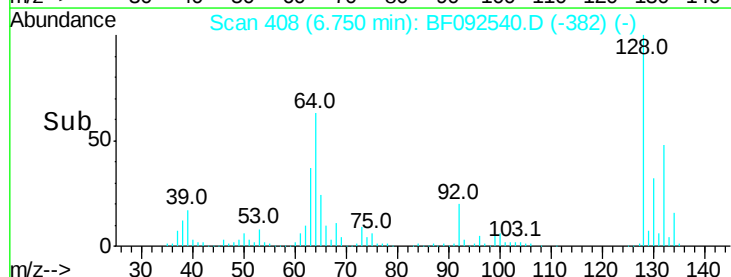
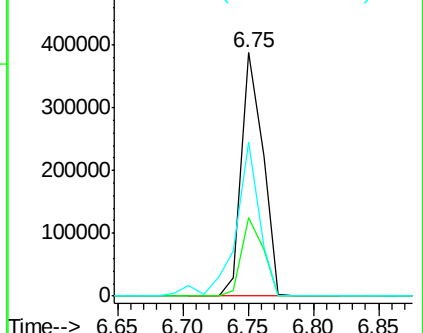
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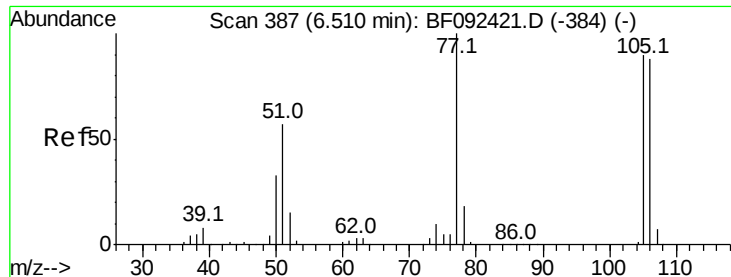


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





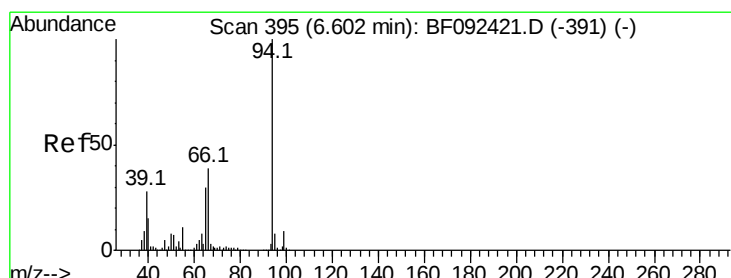
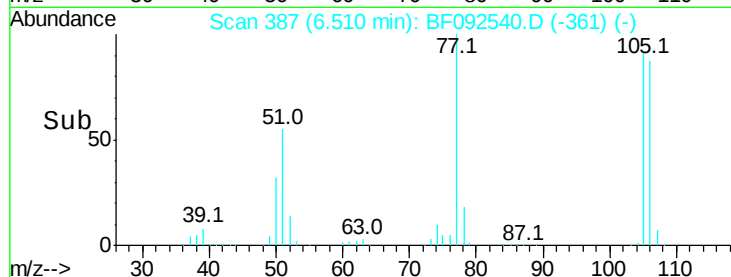
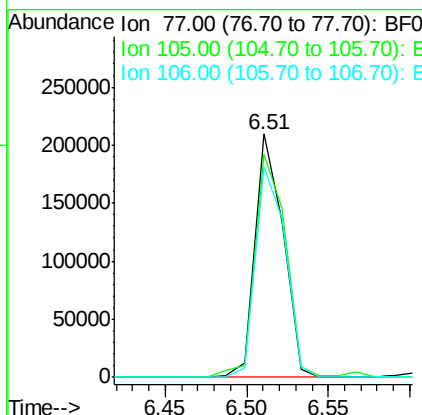
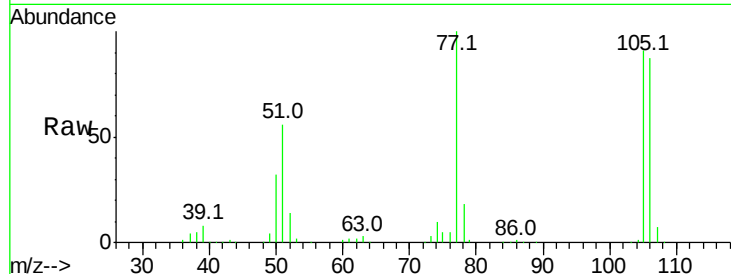
#9
Benzaldehyde
Concen: 27.60 ng
RT: 6.51 min Scan# 387
Delta R.T. 0.00 min
Lab File: BF092540.D
Acq: 26 Jan 2017 22:20

Instrument :
BNA_F
ClientSampleId :
CHA-WCS-012317-1(0-70)MSD

Tot Ion	Ratio	Lower	Upper
77	100		
105	91.5	83.9	123.9
106	86.6	77.6	117.6

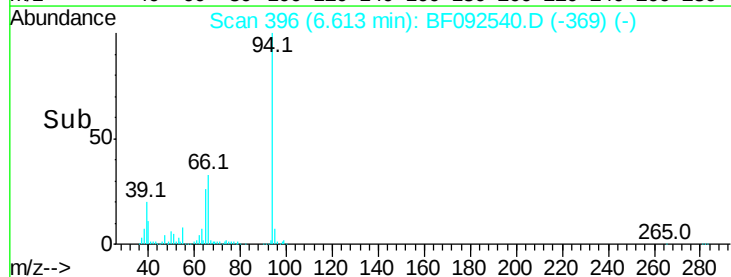
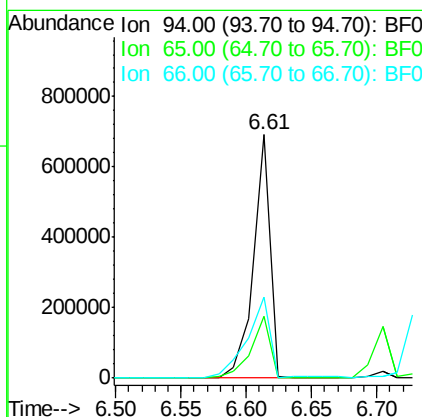
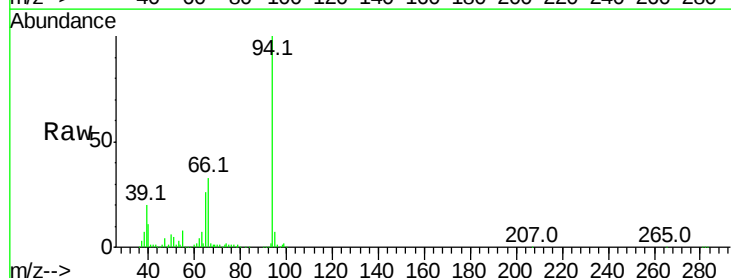
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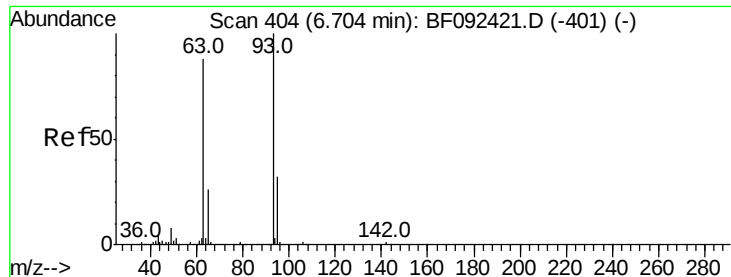
mohammad
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#10
Phenol
Concen: 40.03 ng
RT: 6.61 min Scan# 396
Delta R.T. 0.01 min
Lab File: BF092540.D
Acq: 26 Jan 2017 22:20

Tgt Ion	Ratio	Lower	Upper
94	100		
65	25.6	21.4	61.4
66	33.3	44.0	84.0#





#11

bis(2-Chloroethyl)ether

Concen: 42.68 ng

RT: 6.70 min Scan# 404

Delta R.T. 0.00 min

Lab File: BF092540.D

Acq: 26 Jan 2017 22:20

Instrument :

BNA_F

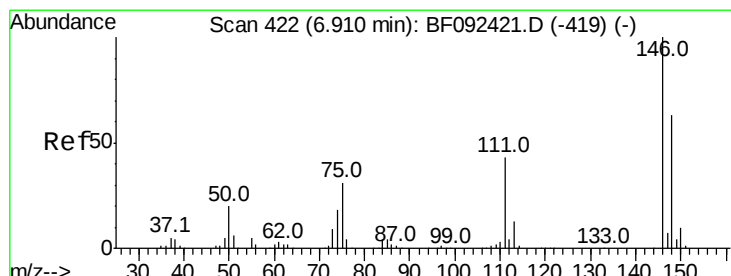
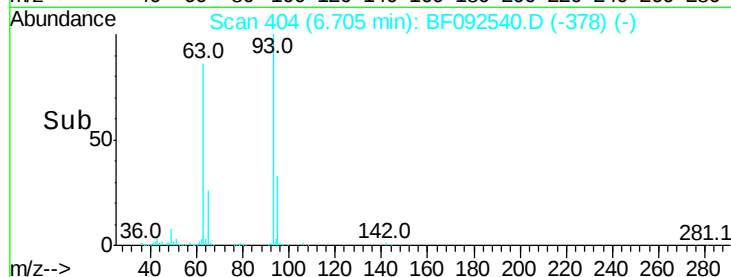
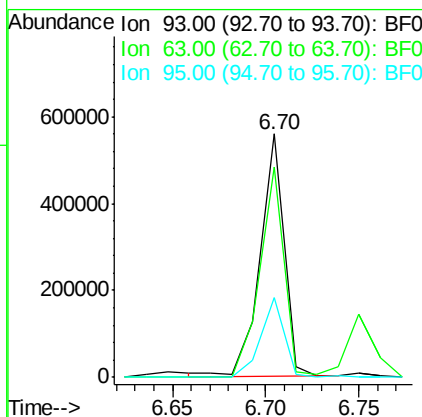
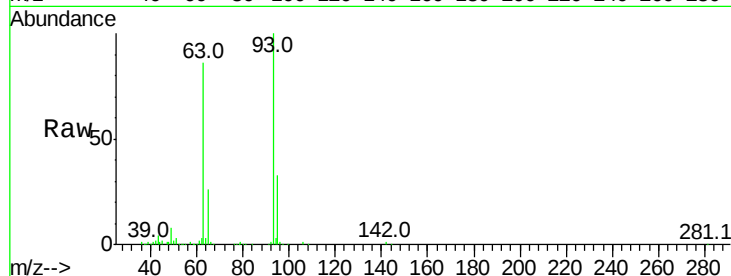
ClientSampleId :

CHA-WCS-012317-1(0-70)MSD

Tot Ion	93	Resp	493948
Ion Ratio	100	Lower	Upper
93	100		
63	86.2	60.4	100.4
95	32.8	12.8	52.8

Manual Integrations
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#12

1,3-Dichlorobenzene

Concen: 39.07 ng m

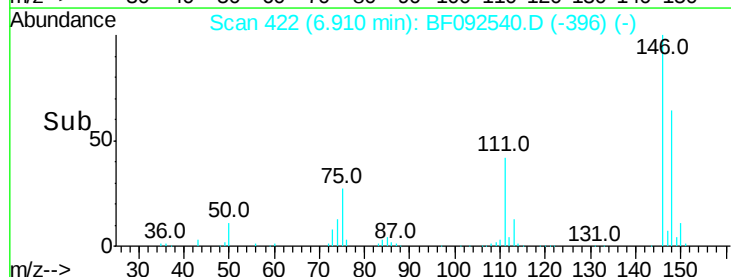
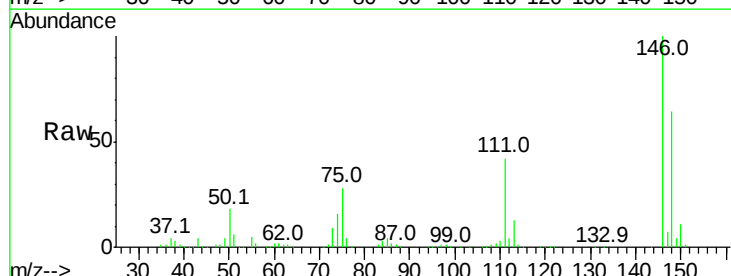
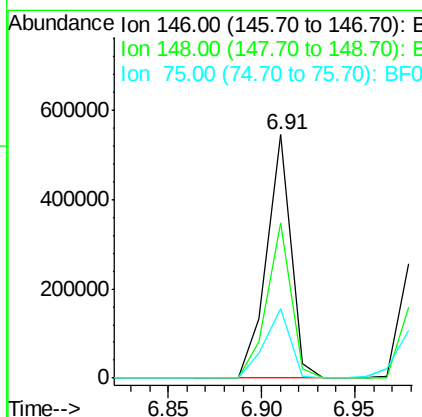
RT: 6.91 min Scan# 422

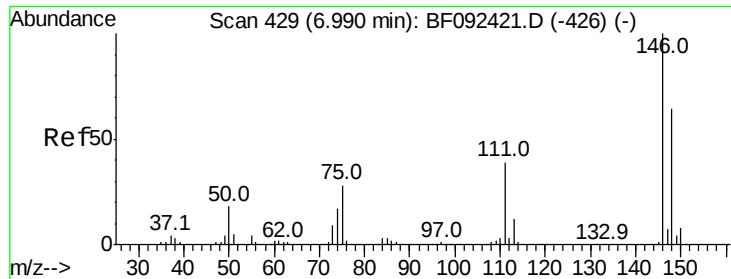
Delta R.T. 0.00 min

Lab File: BF092540.D

Acq: 26 Jan 2017 22:20

Tgt Ion	146	Resp	488384
Ion Ratio	100	Lower	Upper
146	100		
148	63.7	53.4	80.0
75	28.4	18.5	27.7#





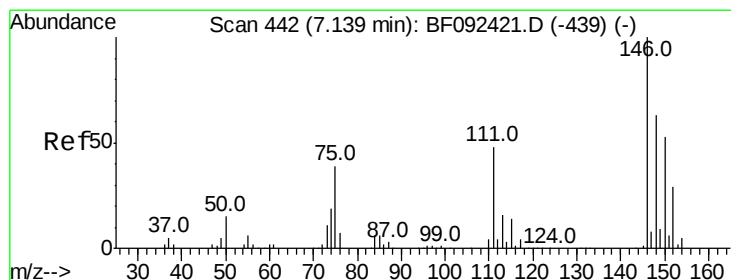
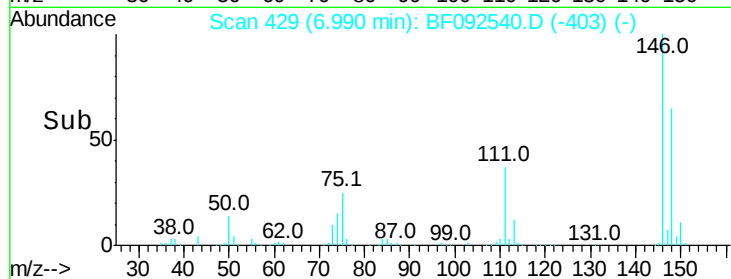
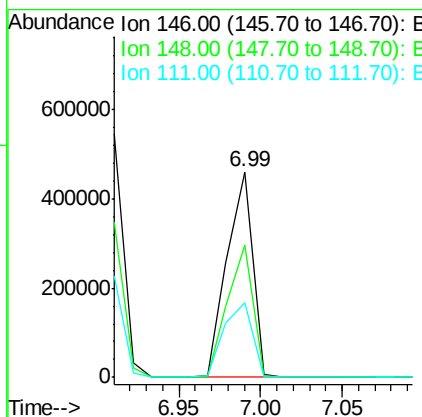
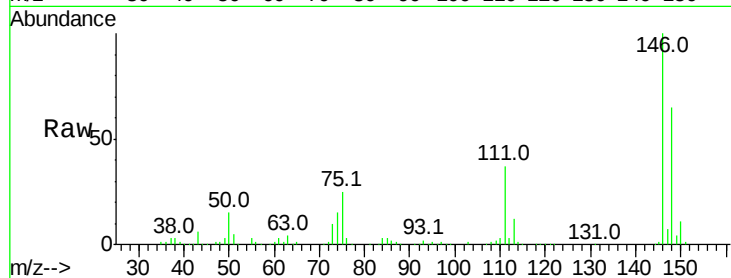
#13
 1,4-Dichlorobenzene
 Concen: 39.69 ng
 RT: 6.99 min Scan# 429
 Delta R.T. 0.00 min
 Lab File: BF092540.D
 Acq: 26 Jan 2017 22:20

Instrument :
 BNA_F
 ClientSampleId :
 CHA-WCS-012317-1(0-70)MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.8	50.6	76.0
111	36.6	36.2	54.4

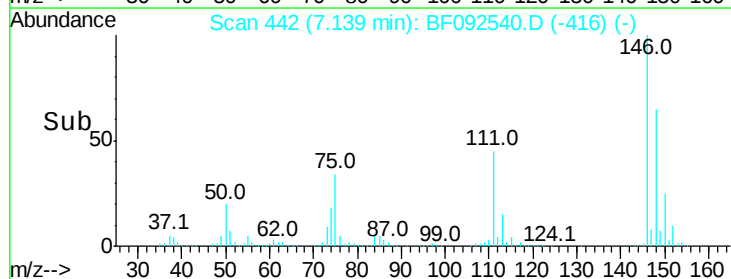
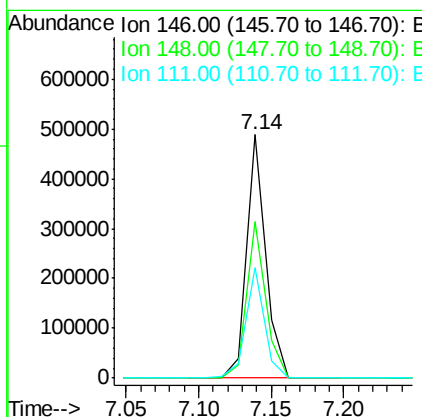
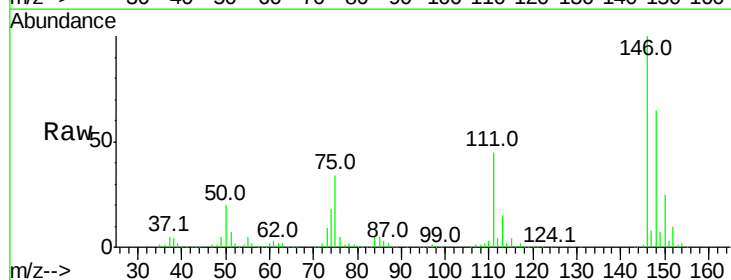
Manual Integrations
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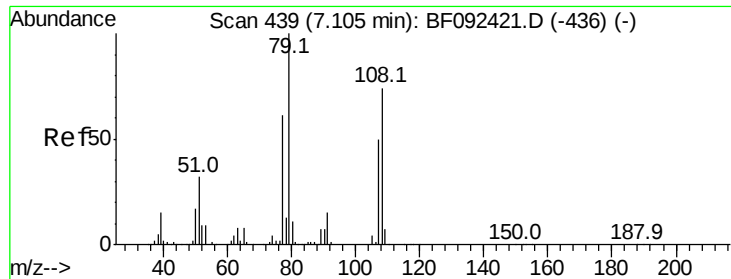
mohammad
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#14
 1,2-Dichlorobenzene
 Concen: 37.08 ng
 RT: 7.14 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: BF092540.D
 Acq: 26 Jan 2017 22:20

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.5	52.2	78.2
111	45.4	36.2	54.2





#15

Benzyl Alcohol

Concen: 11.41 ng

RT: 7.10 min Scan# 439

Delta R.T. 0.00 min

Lab File: BF092540.D

Acq: 26 Jan 2017 22:20

Instrument :

BNA_F

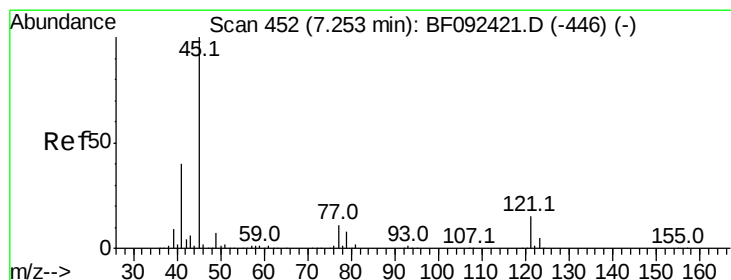
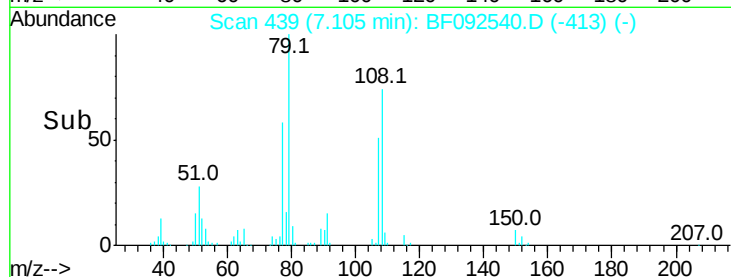
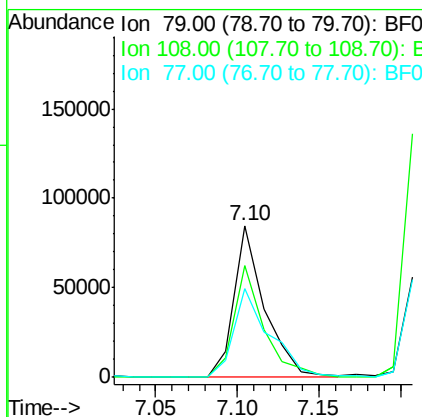
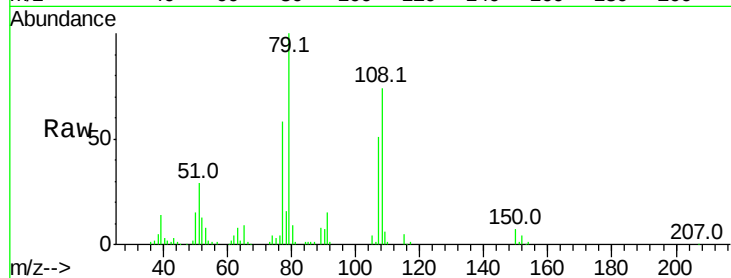
ClientSampleId :

CHA-WCS-012317-1(0-70)MSD

Tot Ion:	79	Resp:	110213
Ion Ratio	Lower	Upper	
79	100		
108	73.7	61.4	92.0
77	58.1	50.9	76.3

Manual Integrations
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#16

2,2'-oxybis(1-Chloropropane)

Concen: 38.64 ng

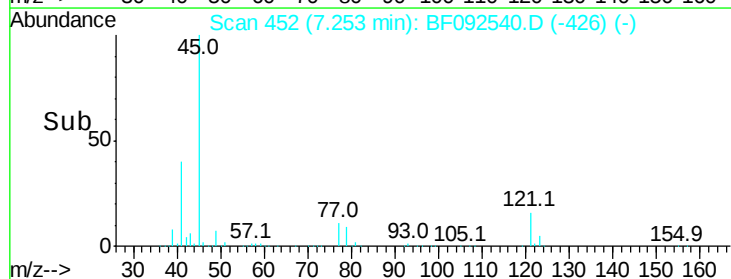
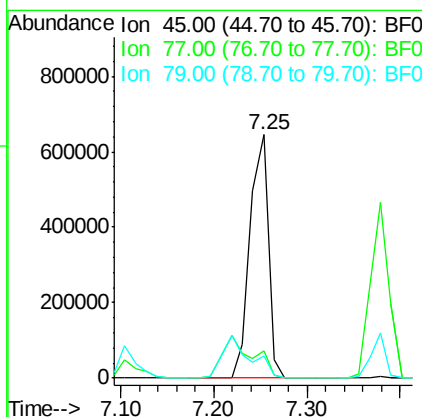
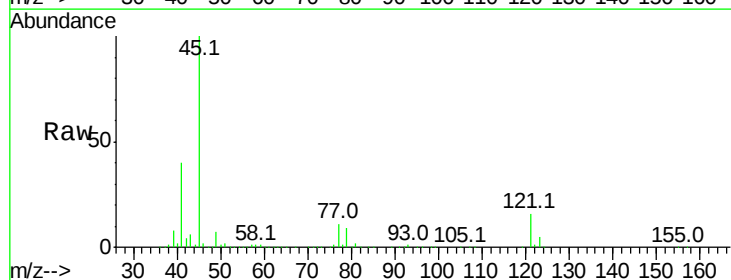
RT: 7.25 min Scan# 452

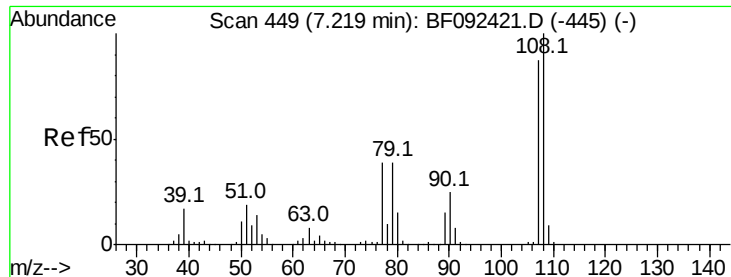
Delta R.T. 0.00 min

Lab File: BF092540.D

Acq: 26 Jan 2017 22:20

Tgt Ion:	45	Resp:	884773
Ion Ratio	Lower	Upper	
45	100		
77	11.1	0.0	34.6
79	9.1	0.0	31.2





#17

2-Methylphenol

Concen: 41.50 ng

RT: 7.22 min Scan# 449

Delta R.T. 0.00 min

Lab File: BF092540.D

Acq: 26 Jan 2017 22:20

Instrument :

BNA_F

ClientSampleId :

CHA-WCS-012317-1(0-70)MSD

Tot Ion:107 Resp: 374792

Ion Ratio Lower Upper

107 100

108 113.5 93.0 139.6

77 45.2 39.8 59.8

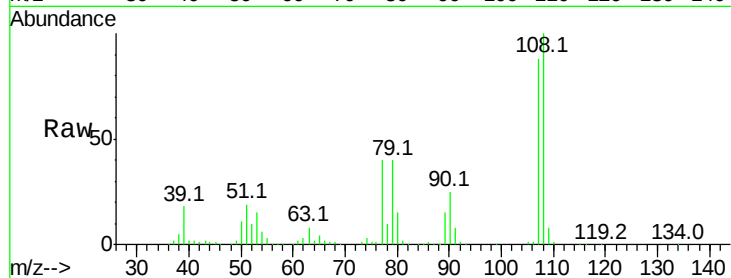
79 45.3 38.0 57.0

Manual Integrations

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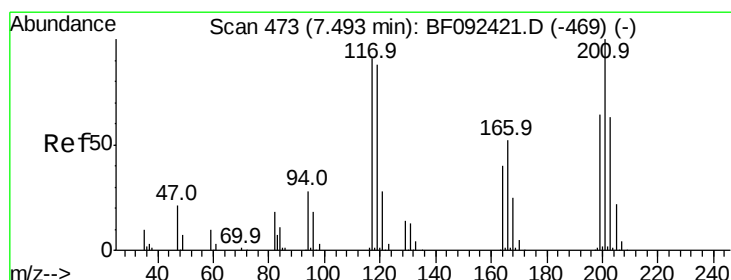
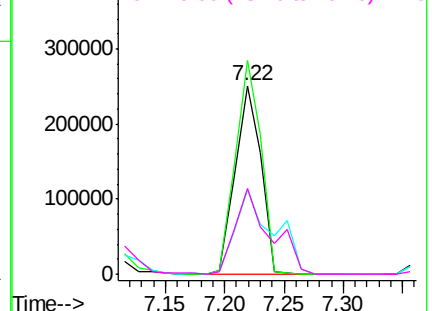
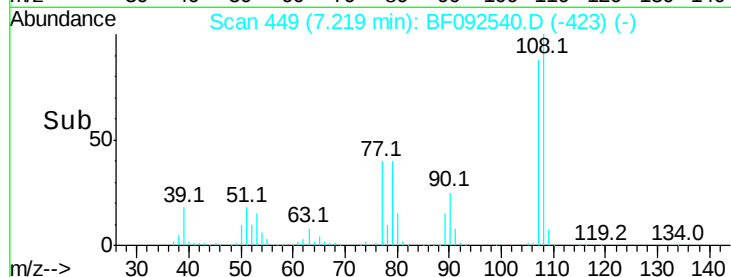
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 38.20 ng

RT: 7.48 min Scan# 472

Delta R.T. -0.01 min

Lab File: BF092540.D

Acq: 26 Jan 2017 22:20

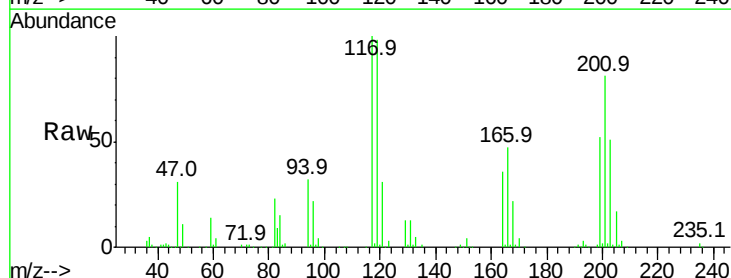
Tgt Ion:117 Resp: 165559

Ion Ratio Lower Upper

117 100

119 97.9 78.1 117.1

201 80.8 78.6 117.8

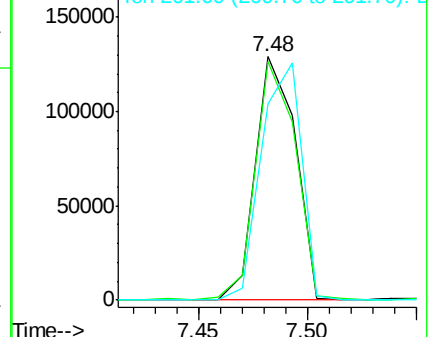
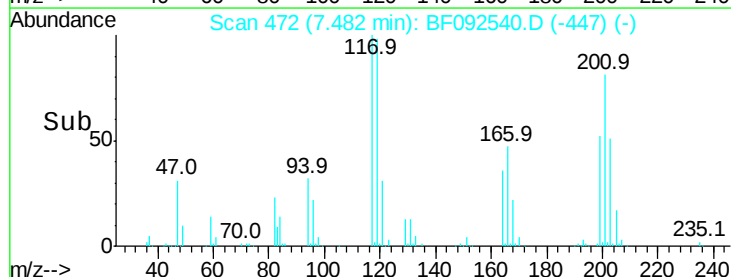


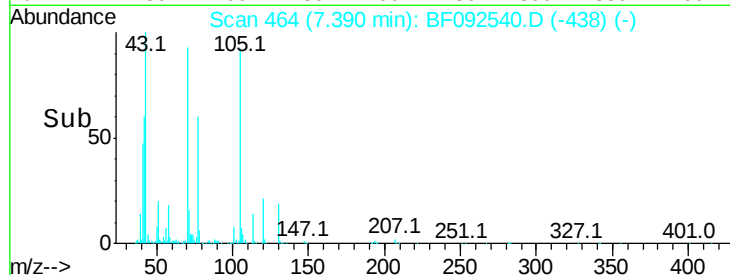
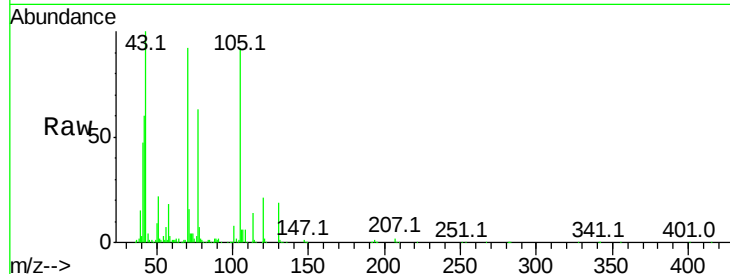
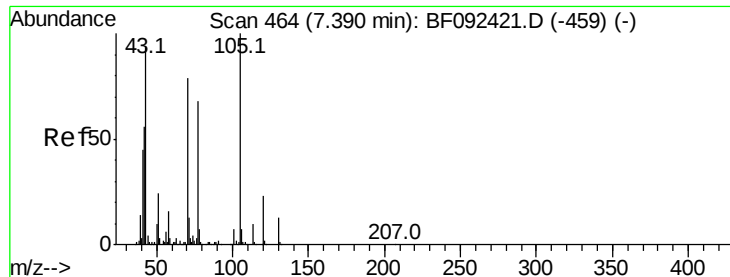
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





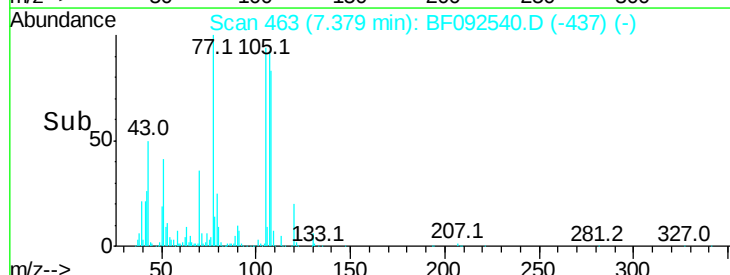
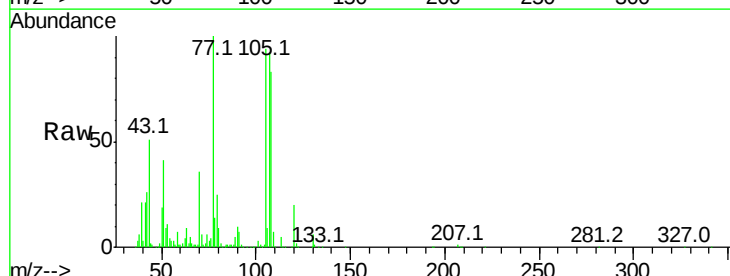
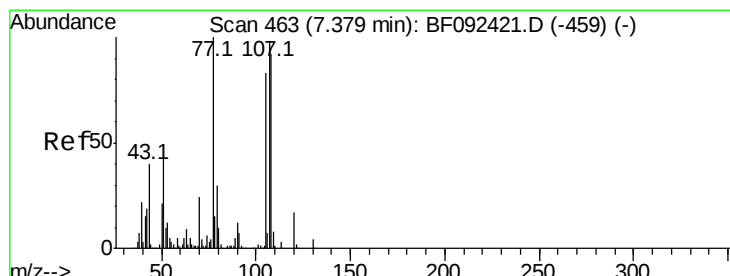
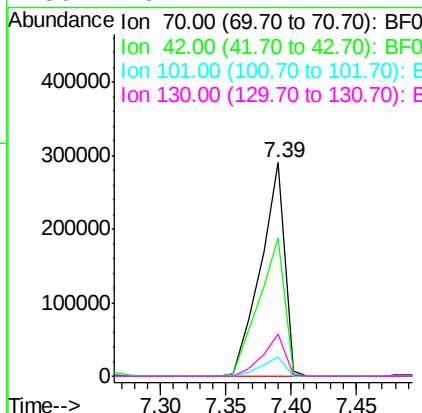
#19
n-Nitroso-di-n-propylamine
Concen: 43.02 ng
RT: 7.39 min Scan# 464
Delta R.T. 0.00 min
Lab File: BF092540.D
Acq: 26 Jan 2017 22:20

Instrument :
BNA_F
ClientSampleId :
CHA-WCS-012317-1(0-70)MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	64.8	49.4	74.0
101	9.1	7.4	11.2
130	20.1	14.2	21.4

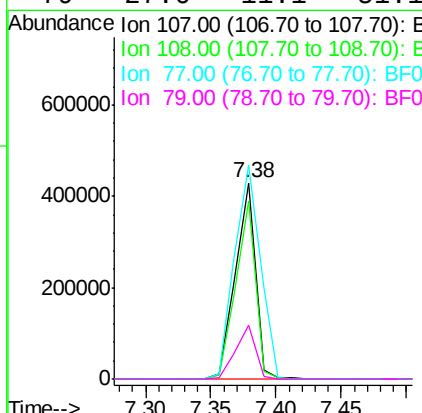
Manual Integrations
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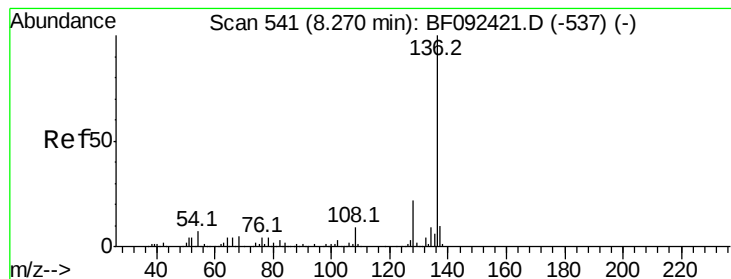
mohammad
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#20
3+4-Methylphenols
Concen: 41.89 ng
RT: 7.38 min Scan# 463
Delta R.T. 0.00 min
Lab File: BF092540.D
Acq: 26 Jan 2017 22:20

Tgt Ion	Ratio	Lower	Upper
107	100		
108	90.6	73.0	113.0
77	108.7	71.3	111.3
79	27.6	11.1	51.1





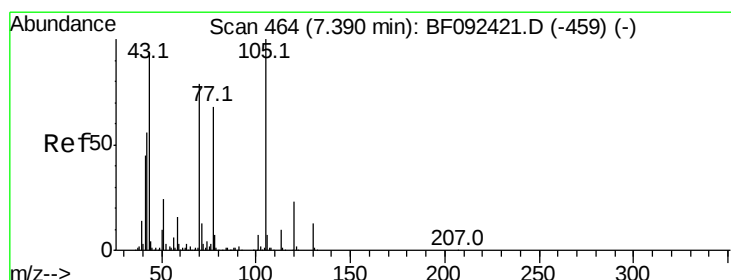
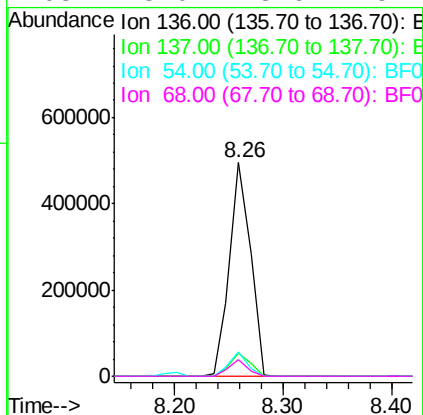
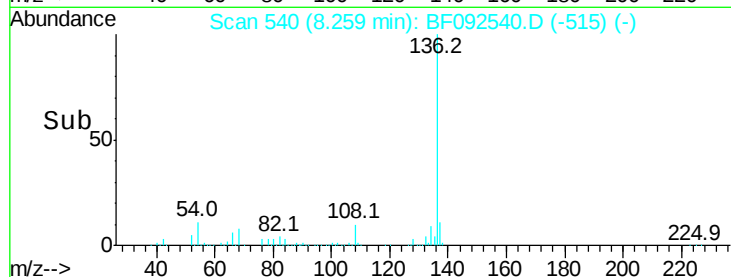
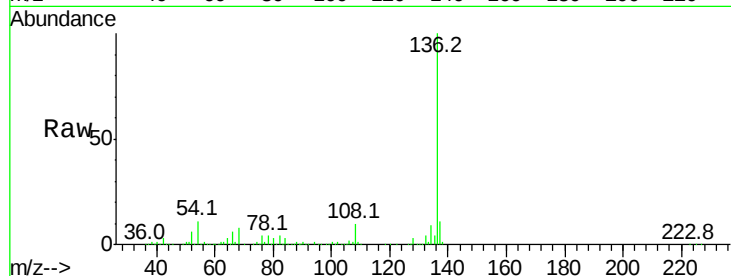
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.26 min Scan# 540
Delta R.T. -0.01 min
Lab File: BF092540.D
Acq: 26 Jan 2017 22:20

Instrument :
BNA_F
ClientSampleId :
CHA-WCS-012317-1(0-70)MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.9	8.4	12.6	
54	11.3	4.5	6.7#	
68	8.0	3.6	5.4#	

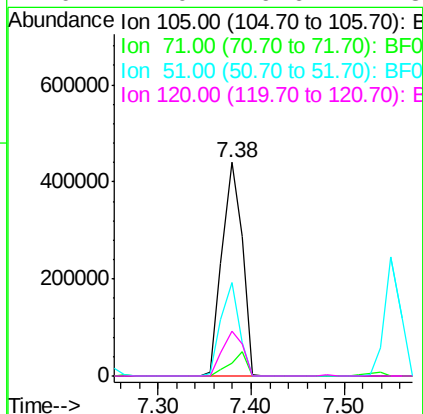
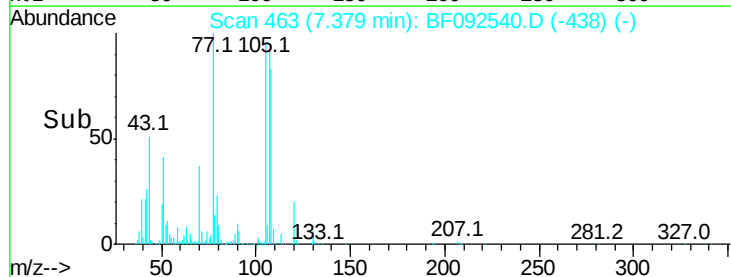
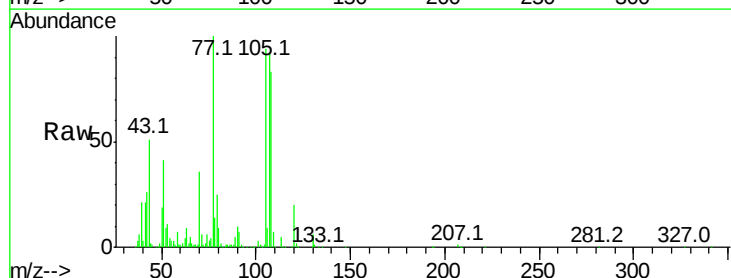
Manual Integrations
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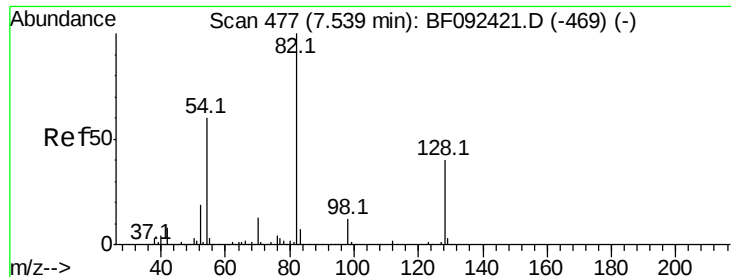
mohammad
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#22
Acetophenone
Concen: 42.71 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.01 min
Lab File: BF092540.D
Acq: 26 Jan 2017 22:20

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	6.2	3.2	4.8#	
51	43.7	26.2	39.4#	
120	21.0	16.6	24.8	





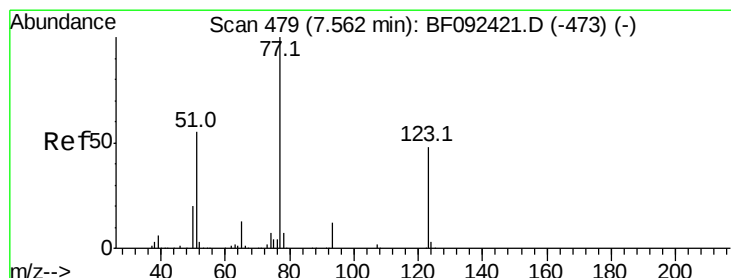
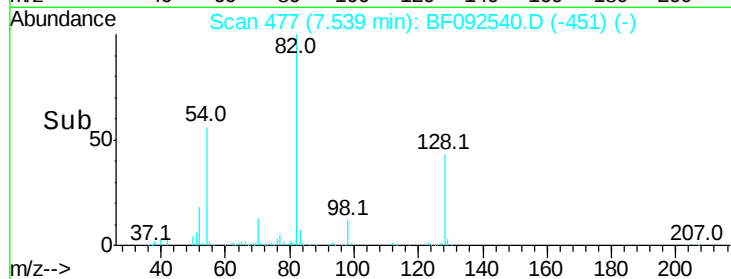
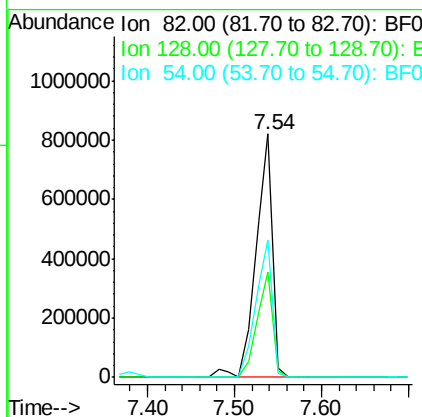
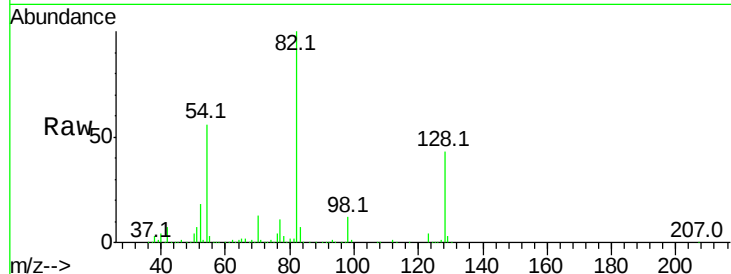
#23
Nitrobenzene-d5
Concen: 91.16 ng
RT: 7.54 min Scan# 477
Delta R.T. 0.00 min
Lab File: BF092540.D
Acq: 26 Jan 2017 22:20

Instrument :
BNA_F
ClientSampleId :
CHA-WCS-012317-1(0-70)MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.2	34.6	52.0
54	56.4	39.5	59.3

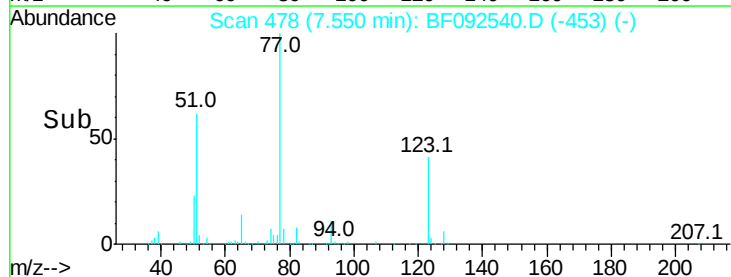
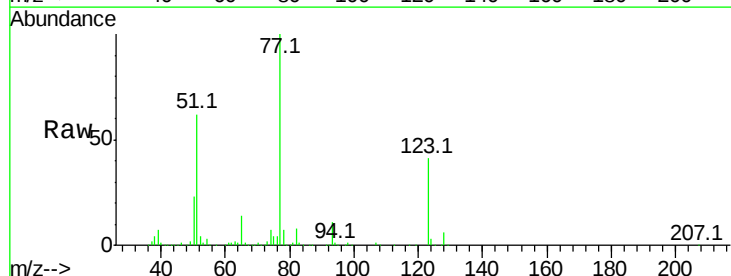
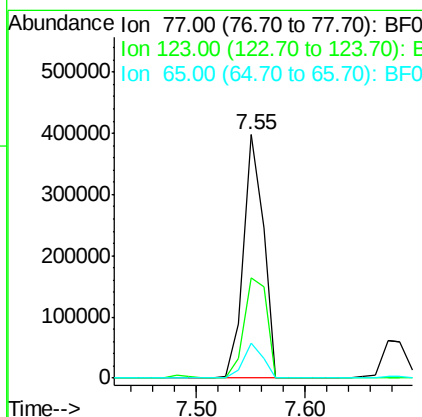
Manual Integrations
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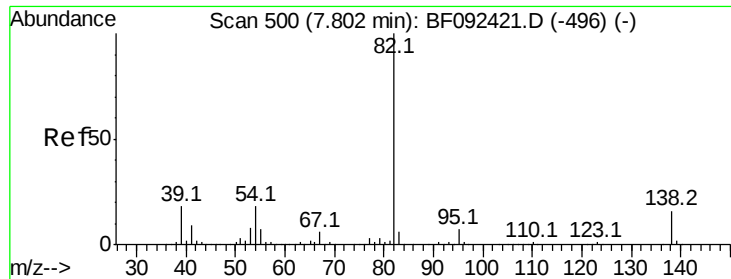
mohammad
1/27/2017 3:03:10 PM



#24
Nitrobenzene
Concen: 40.33 ng
RT: 7.55 min Scan# 478
Delta R.T. -0.01 min
Lab File: BF092540.D
Acq: 26 Jan 2017 22:20

Tgt Ion	Ratio	Lower	Upper
77	100		
123	41.1	33.0	49.4
65	14.2	11.2	16.8





#25

Isophorone

Concen: 43.40 ng

RT: 7.80 min Scan# 500

Delta R.T. 0.00 min

Lab File: BF092540.D

Acq: 26 Jan 2017 22:20

Instrument :

BNA_F

ClientSampleId :

CHA-WCS-012317-1(0-70)MSD

Tot Ion: 82 Resp: 1028001

Ion Ratio Lower Upper

82 100

95 6.3 5.6 8.4

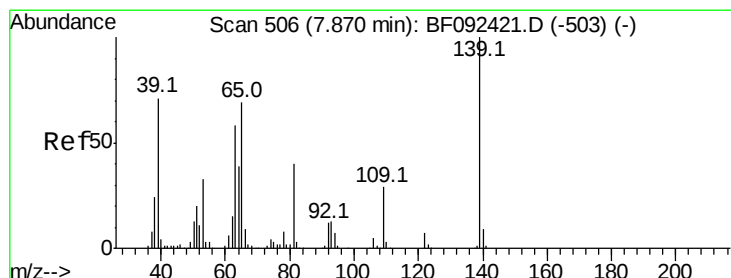
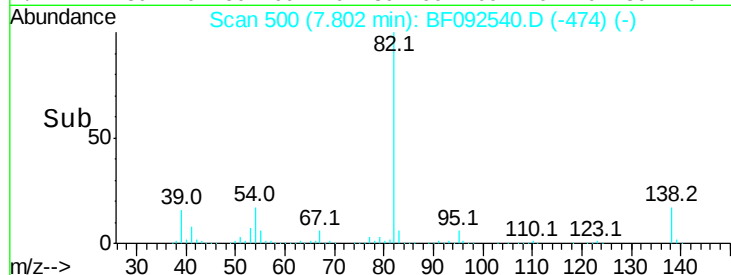
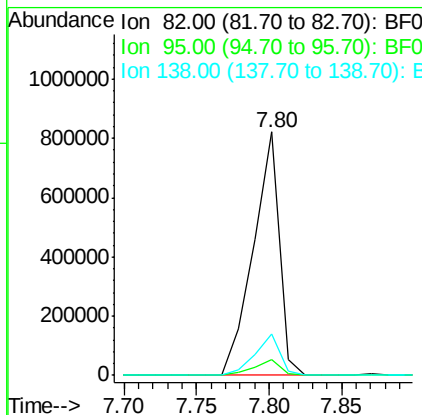
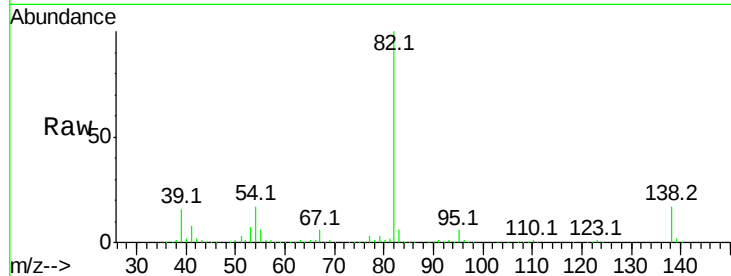
138 17.2 14.6 22.0

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#26

2-Nitrophenol

Concen: 48.19 ng

RT: 7.87 min Scan# 506

Delta R.T. 0.00 min

Lab File: BF092540.D

Acq: 26 Jan 2017 22:20

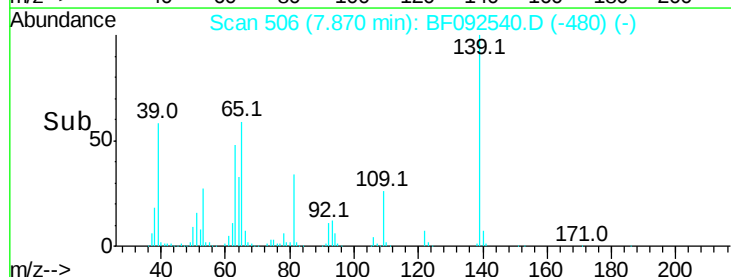
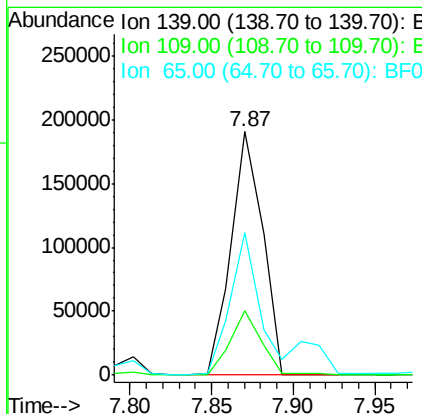
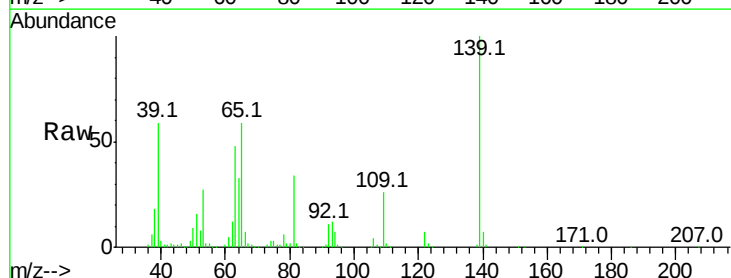
Tgt Ion: 139 Resp: 254295

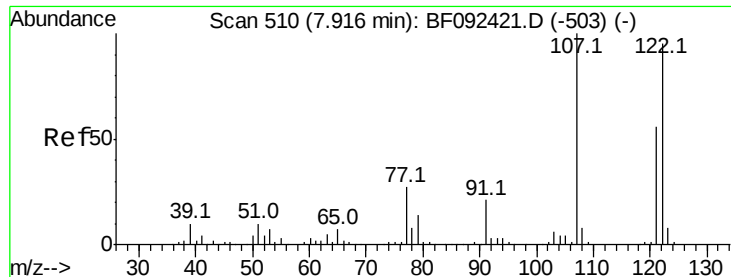
Ion Ratio Lower Upper

139 100

109 26.4 23.3 34.9

65 58.7 42.7 64.1





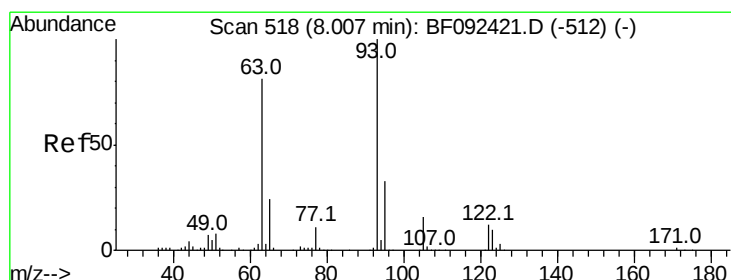
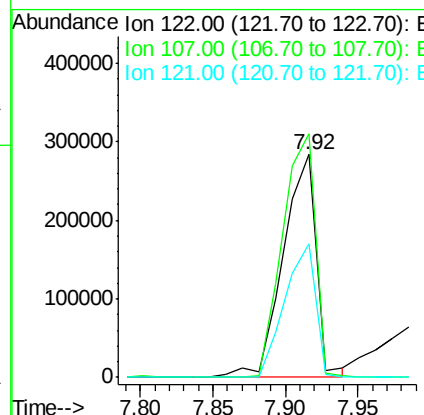
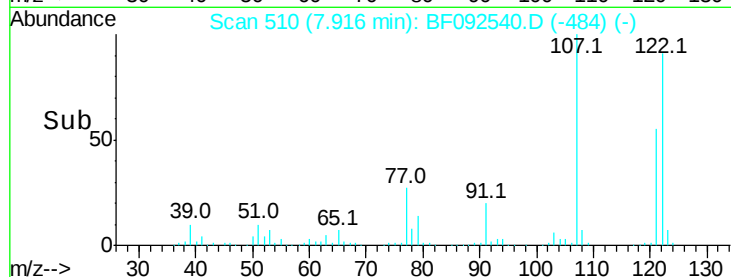
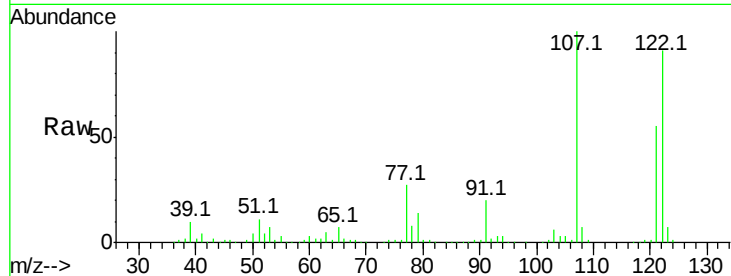
#27
 2,4-Dimethylphenol
 Concen: 41.00 ng
 RT: 7.92 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: BF092540.D
 Acq: 26 Jan 2017 22:20

Instrument :
 BNA_F
 ClientSampleId :
 CHA-WCS-012317-1(0-70)MSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100	449955		
107	109.4		94.1	141.1
121	59.8		46.0	69.0

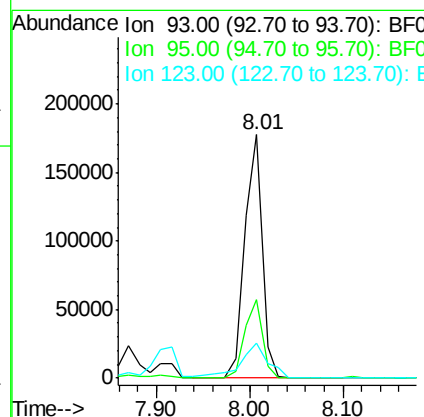
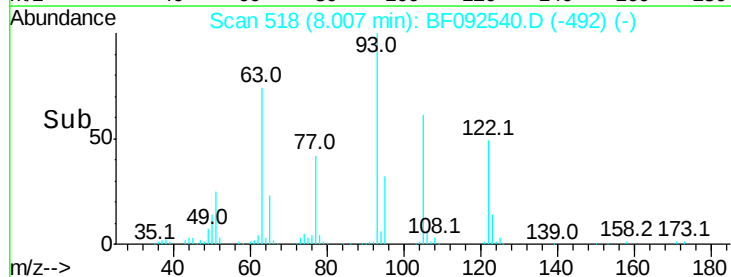
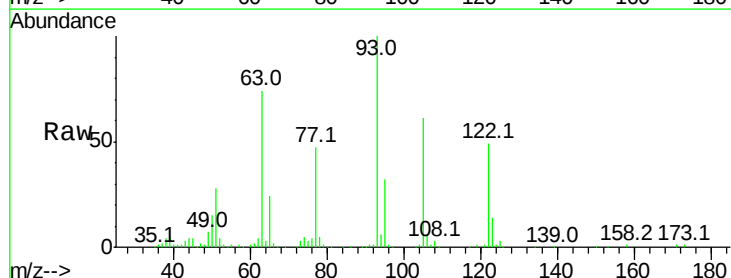
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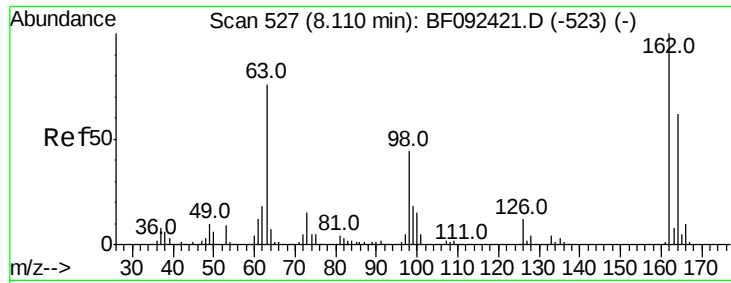
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#28
 bis(2-Chloroethoxy)methane
 Concen: 14.90 ng
 RT: 8.01 min Scan# 518
 Delta R.T. 0.00 min
 Lab File: BF092540.D
 Acq: 26 Jan 2017 22:20

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	231609		
95	32.2		26.5	39.7
123	14.2		8.6	13.0#





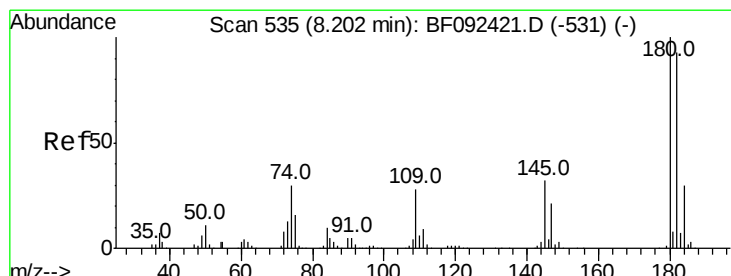
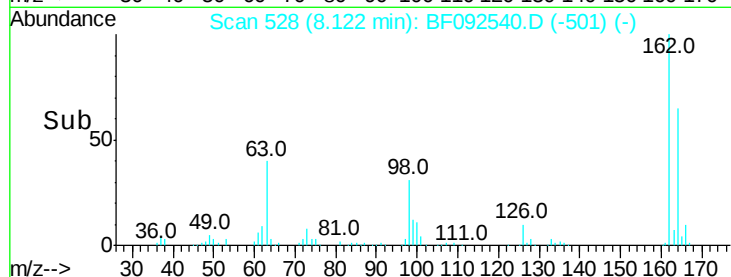
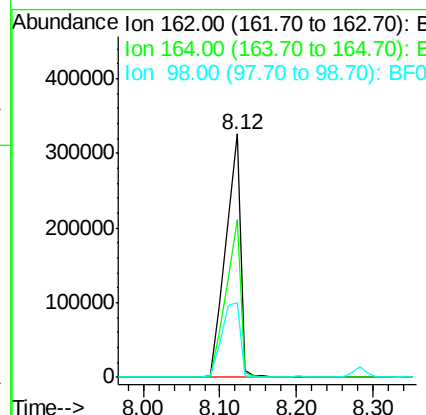
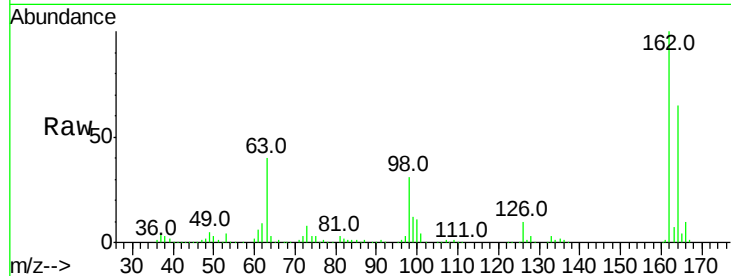
#29
 2,4-Dichlorophenol
 Concen: 46.94 ng
 RT: 8.12 min Scan# 528
 Delta R.T. 0.01 min
 Lab File: BF092540.D
 Acq: 26 Jan 2017 22:20

Instrument :
 BNA_F
 ClientSampleId :
 CHA-WCS-012317-1(0-70)MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	446695		
164	64.9	46.8	86.8	
98	30.7	9.1	49.1	

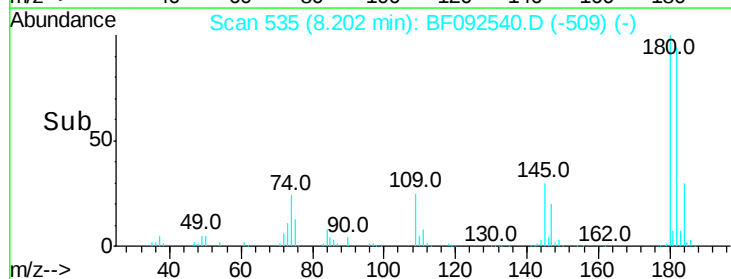
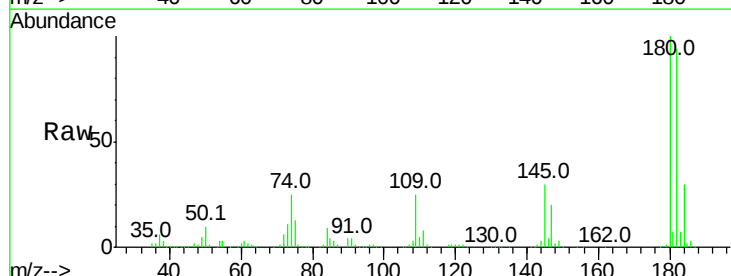
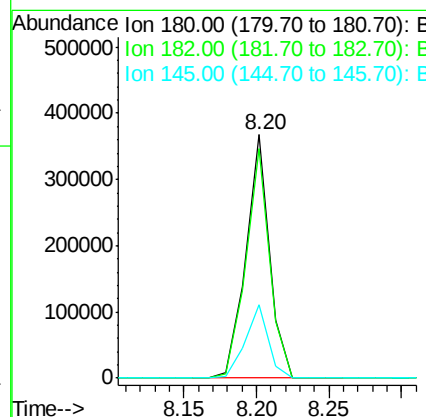
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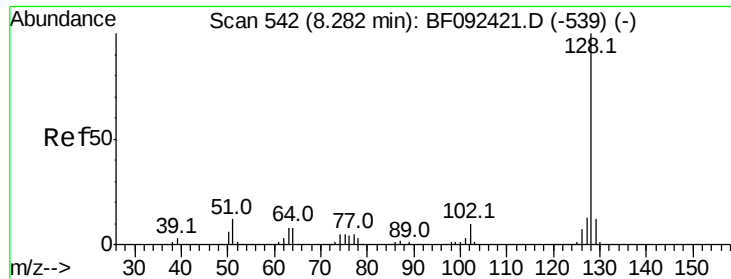
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#30
 1,2,4-Trichlorobenzene
 Concen: 40.10 ng
 RT: 8.20 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: BF092540.D
 Acq: 26 Jan 2017 22:20

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	412439		
182	94.4	78.2	117.4	
145	30.3	21.6	32.4	





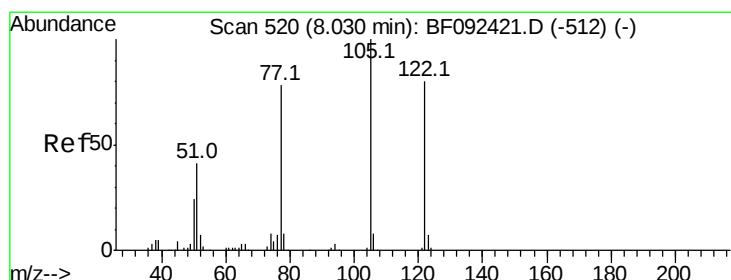
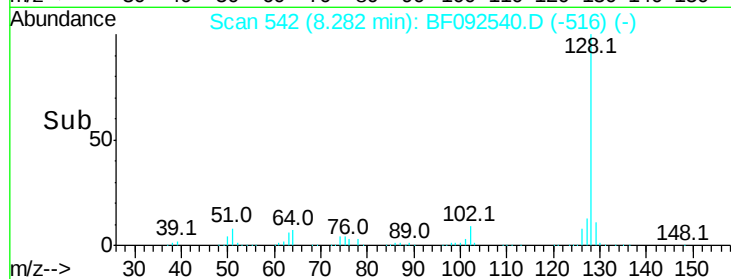
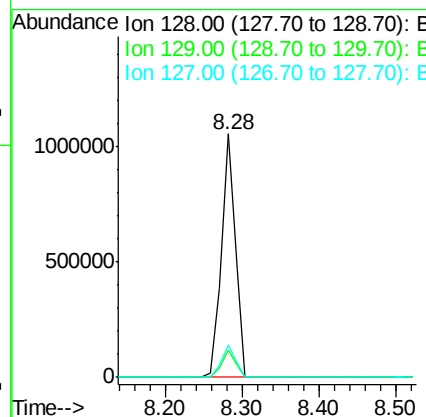
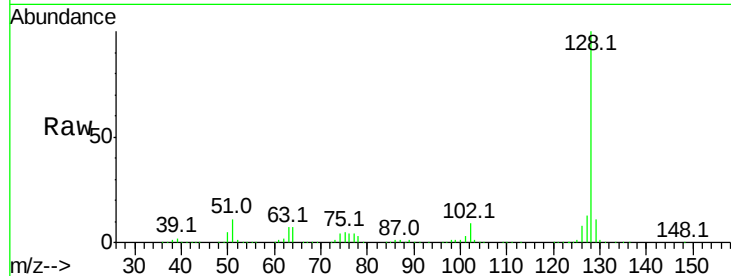
#31
Naphthalene
Concen: 39.56 ng
RT: 8.28 min Scan# 542
Delta R.T. 0.00 min
Lab File: BF092540.D
Acq: 26 Jan 2017 22:20

Instrument :
BNA_F
ClientSampleId :
CHA-WCS-012317-1(0-70)MSD

Tot Ion:128 Resp: 1329432
Ion Ratio Lower Upper
128 100
129 11.3 9.5 14.3
127 13.5 10.8 16.2

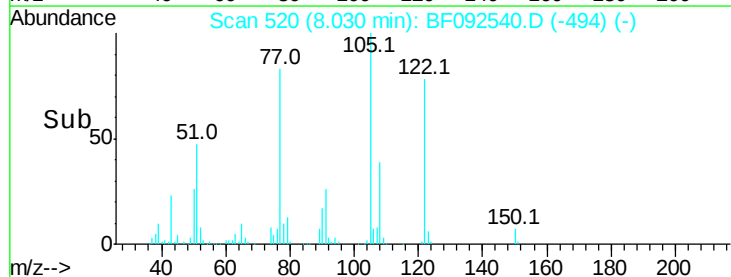
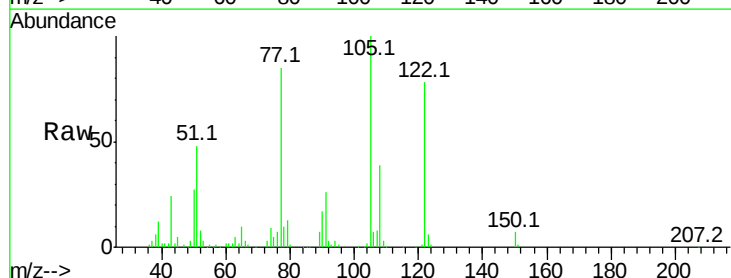
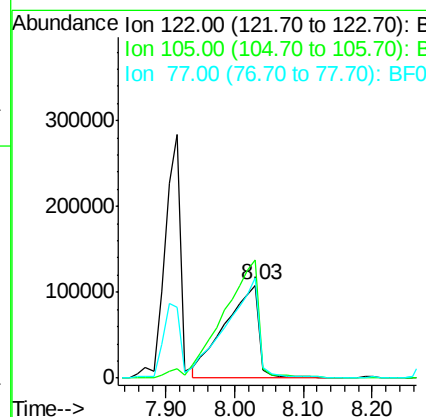
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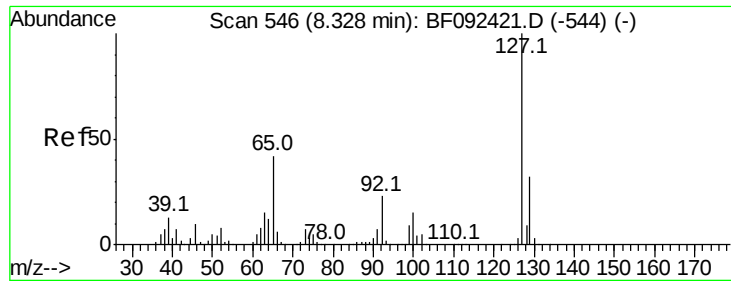
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#32
Benzoic acid
Concen: 46.60 ng
RT: 8.03 min Scan# 520
Delta R.T. 0.00 min
Lab File: BF092540.D
Acq: 26 Jan 2017 22:20

Tgt Ion:122 Resp: 381075
Ion Ratio Lower Upper
122 100
105 127.8 107.2 147.2
77 108.1 74.5 114.5





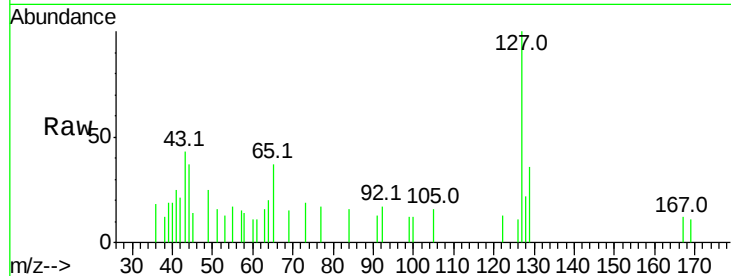
#33
4-Chloroaniline
Concen: 0.39 ng
RT: 8.36 min Scan# 549
Delta R.T. 0.03 min
Lab File: BF092540.D
Acq: 26 Jan 2017 22:20

Instrument :
BNA_F
ClientSampleId :
CHA-WCS-012317-1(0-70)MSD

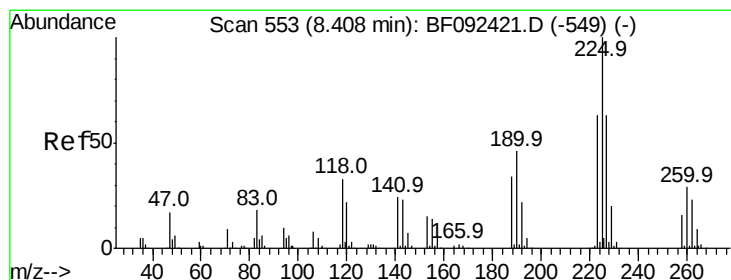
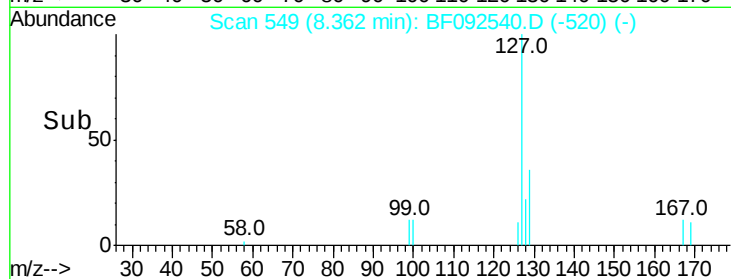
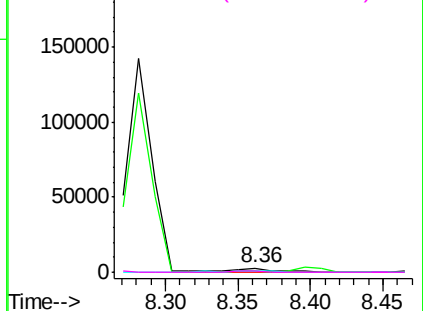
Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		5503		
129	35.9	26.3	39.5		
65	37.1	25.8	38.8		
92	17.2	16.1	24.1		

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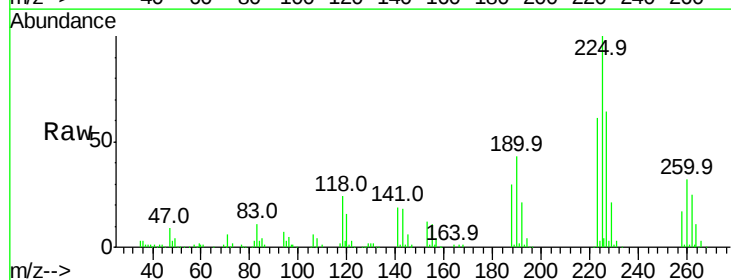


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

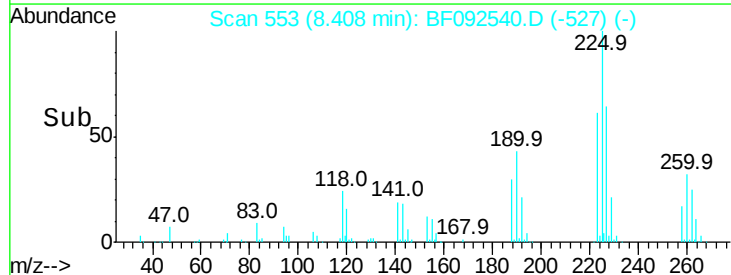
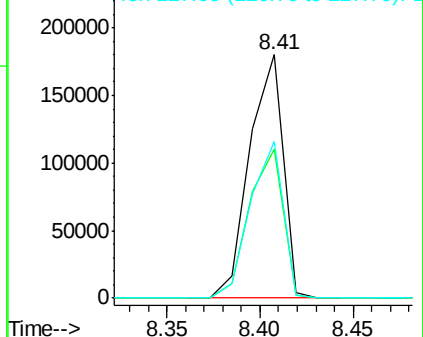


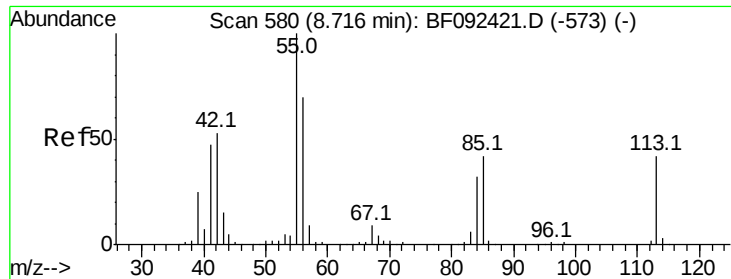
#34
Hexachlorobutadiene
Concen: 39.65 ng
RT: 8.41 min Scan# 553
Delta R.T. 0.00 min
Lab File: BF092540.D
Acq: 26 Jan 2017 22:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		223050		
223	61.1	51.0	76.6		
227	64.1	50.6	76.0		



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





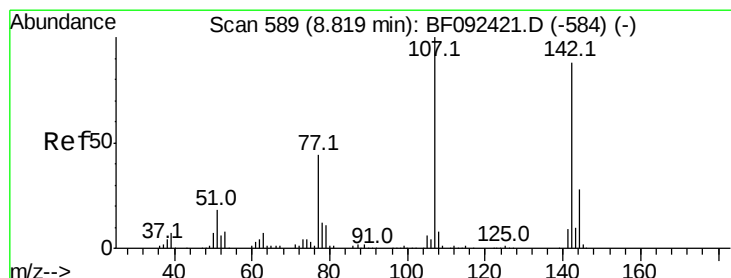
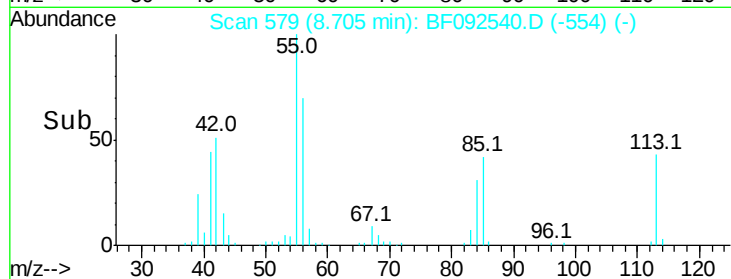
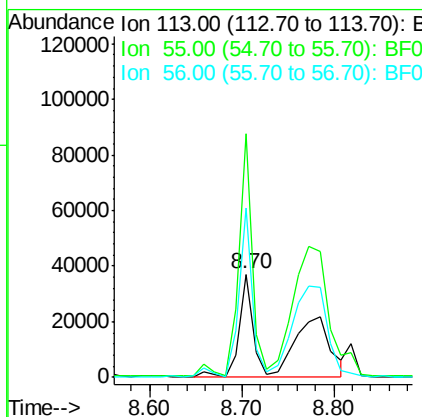
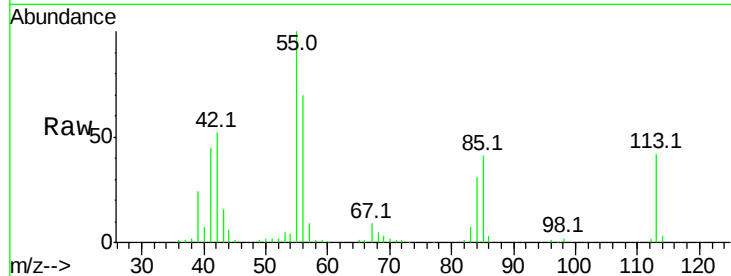
#35
 Caprolactam
 Concen: 30.65 ng/ml
 RT: 8.70 min Scan# 579
 Delta R.T. -0.01 min
 Lab File: BF092540.D
 Acq: 26 Jan 2017 22:20

Instrument :
 BNA_F
 ClientSampleId :
 CHA-WCS-012317-1(0-70)MSD

Tot Ion:113 Resp: 97395
 Ion Ratio Lower Upper
 113 100
 55 236.1 119.2 159.2#
 56 164.2 83.8 123.8#

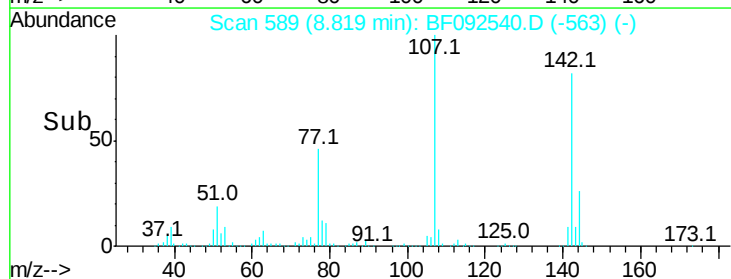
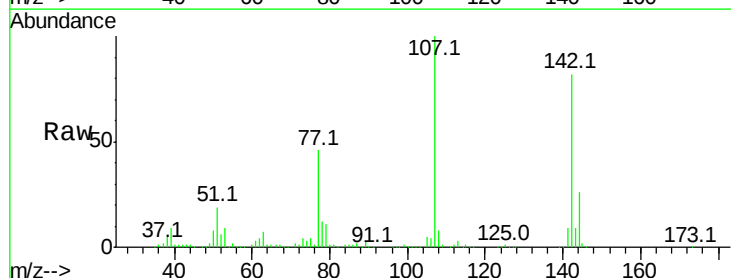
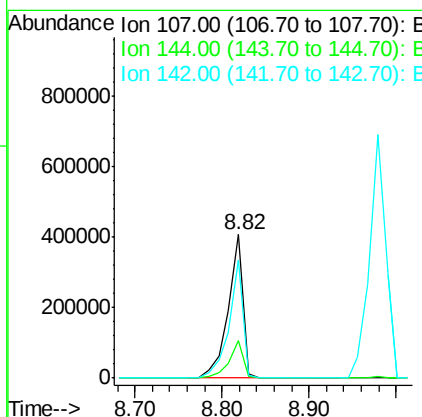
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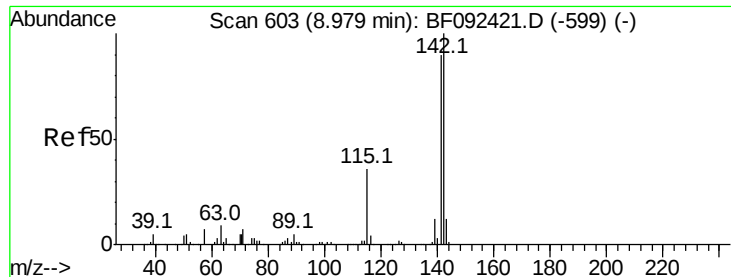
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#36
 4-Chloro-3-methylphenol
 Concen: 46.70 ng
 RT: 8.82 min Scan# 589
 Delta R.T. 0.00 min
 Lab File: BF092540.D
 Acq: 26 Jan 2017 22:20

Tgt Ion:107 Resp: 479160
 Ion Ratio Lower Upper
 107 100
 144 26.5 19.3 28.9
 142 82.1 59.0 88.6





#37

2-Methylnaphthalene

Concen: 42.29 ng

RT: 8.98 min Scan# 603

Delta R.T. 0.00 min

Lab File: BF092540.D

Acq: 26 Jan 2017 22:20

Instrument :

BNA_F

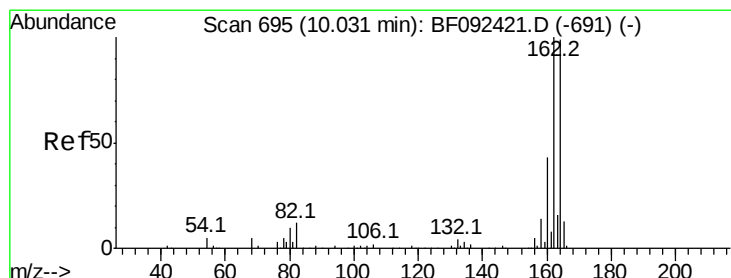
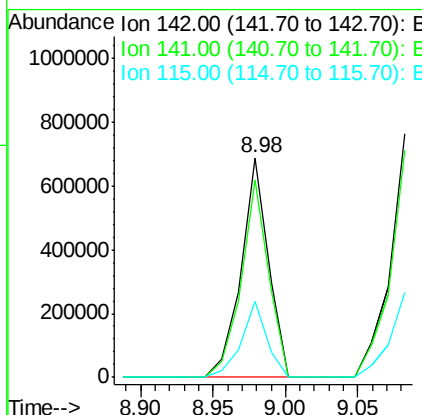
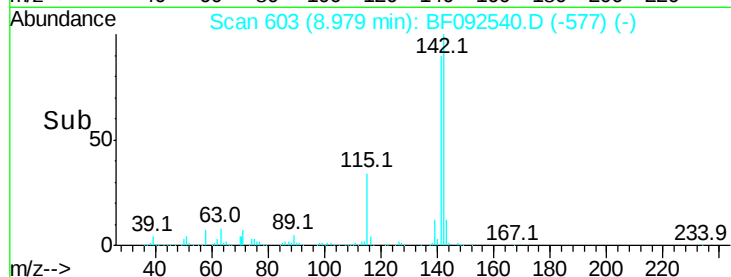
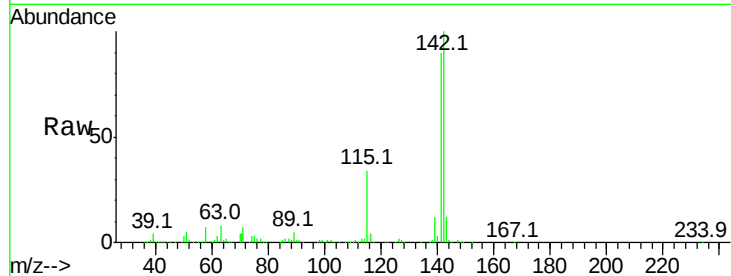
ClientSampleId :

CHA-WCS-012317-1(0-70)MSD

Tot Ion:	142	Resp:	899856
Ion Ratio	Lower	Upper	
142	100		
141	90.0	71.0	106.6
115	34.5	28.3	42.5

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#38

Acenaphthene-d10

Concen: 20.00 ng

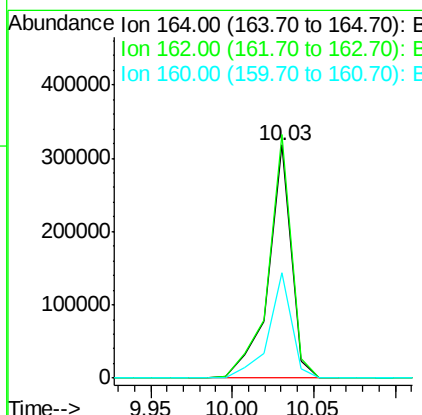
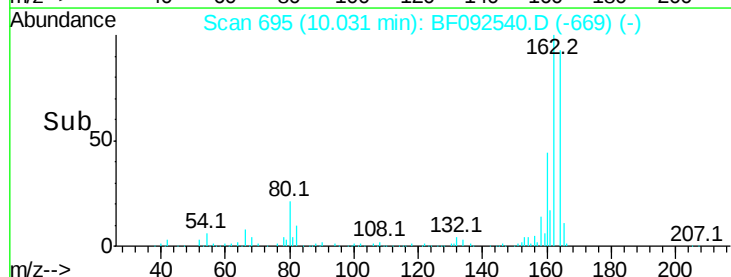
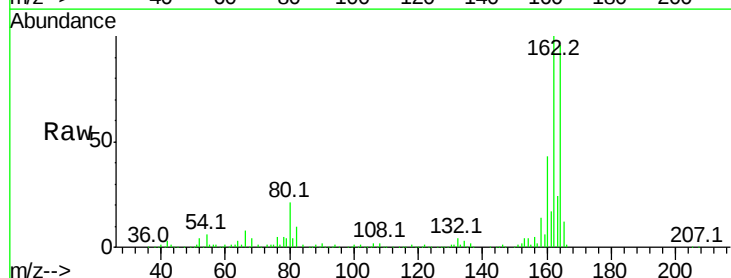
RT: 10.03 min Scan# 695

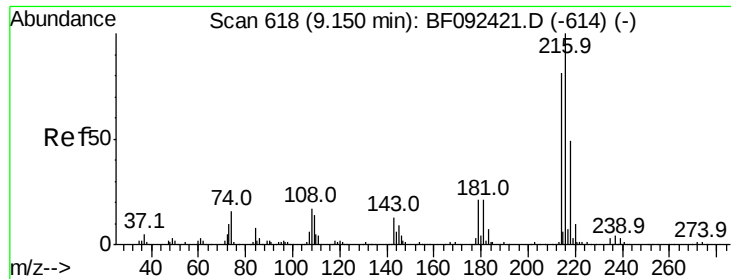
Delta R.T. 0.00 min

Lab File: BF092540.D

Acq: 26 Jan 2017 22:20

Tgt Ion:	164	Resp:	310134
Ion Ratio	Lower	Upper	
164	100		
162	104.5	80.2	120.2
160	45.3	36.9	55.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 54.05 ng

RT: 9.15 min Scan# 618

Delta R.T. 0.00 min

Lab File: BF092540.D

Acq: 26 Jan 2017 22:20

Instrument :

BNA_F

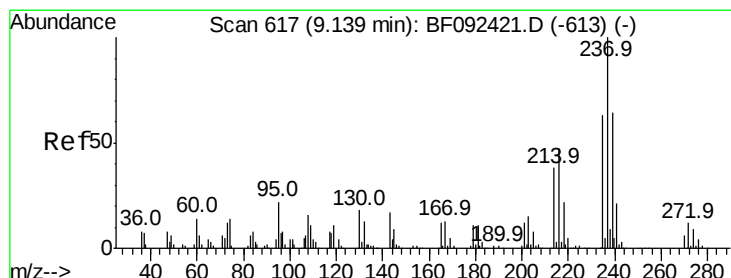
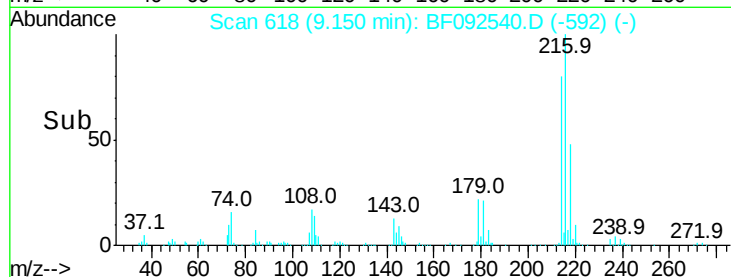
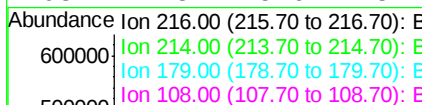
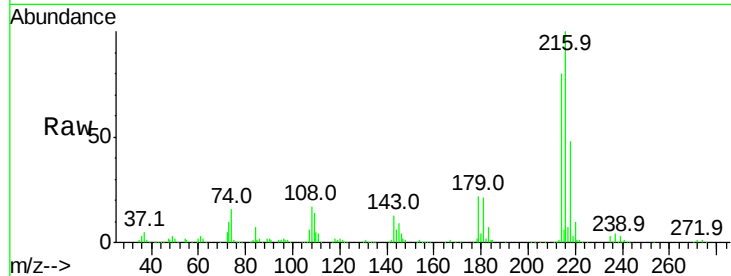
ClientSampleId :

CHA-WCS-012317-1(0-70)MSD

Tot Ion	Ratio	Resp	Lower	Upper
216	100	422842		
214	79.5	63.4	95.0	
179	21.7	17.4	26.2	
108	21.8	15.6	23.4	

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#40

Hexachlorocyclopentadiene

Concen: 103.82 ng

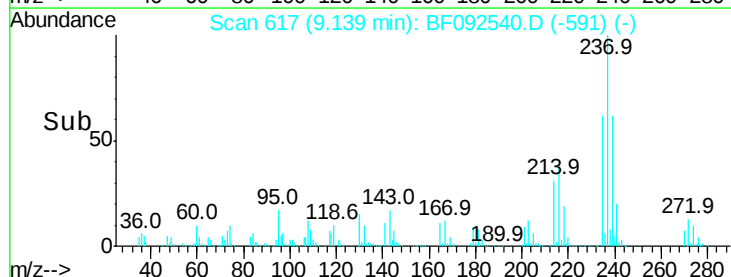
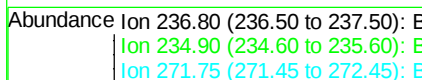
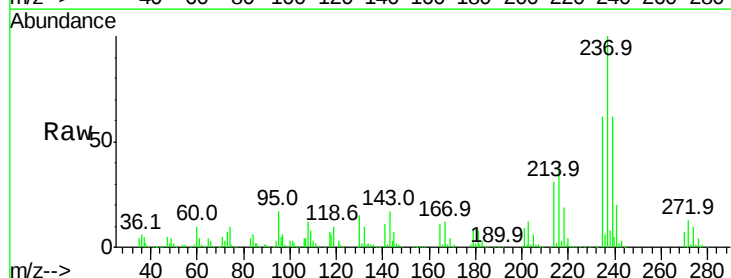
RT: 9.14 min Scan# 617

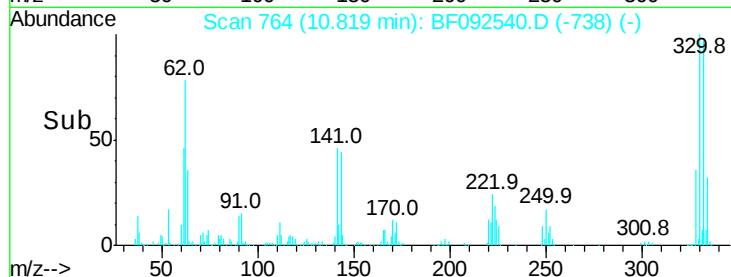
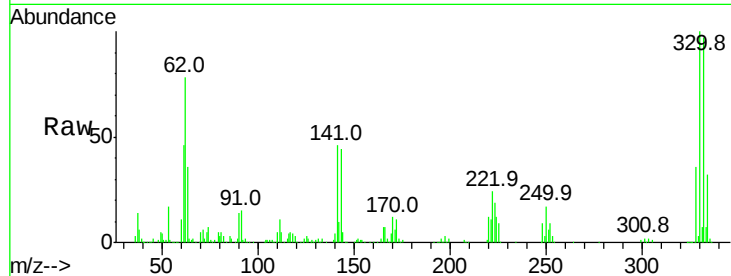
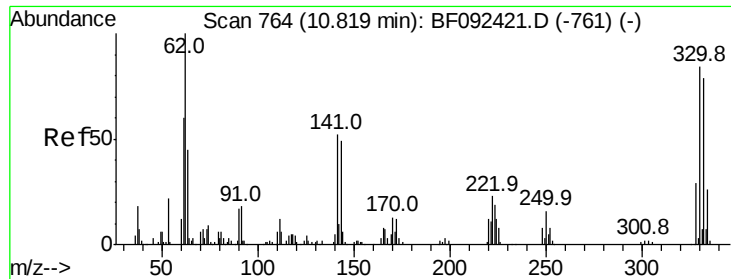
Delta R.T. 0.00 min

Lab File: BF092540.D

Acq: 26 Jan 2017 22:20

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	406757		
235	62.2	41.2	81.2	
272	12.8	0.0	35.4	





#41

2,4,6-Tribromophenol

Concen: 173.41 ng

RT: 10.82 min Scan# 764

Delta R.T. 0.00 min

Lab File: BF092540.D

Acq: 26 Jan 2017 22:20

Tot Ion:	330	Resp:	366493
Ion Ratio	Lower	Upper	
330	100		
332	98.1	77.4	116.2
141	36.2	34.1	51.1

Instrument :

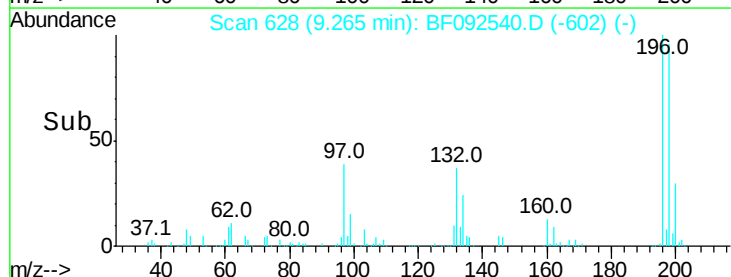
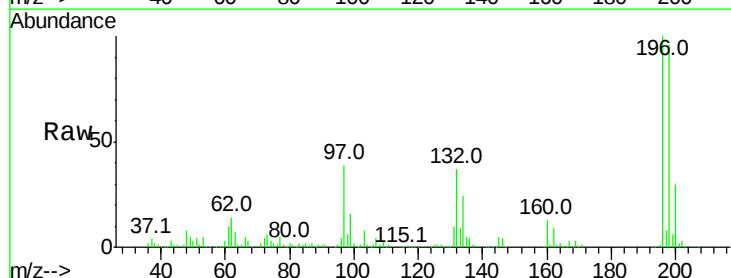
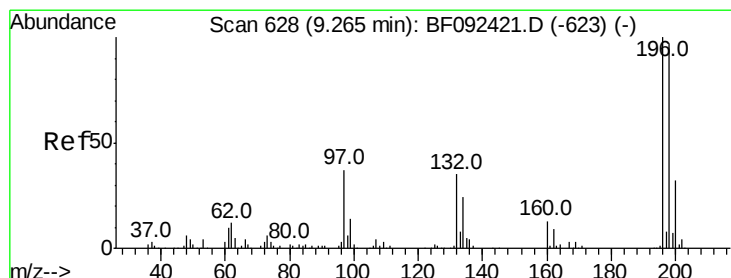
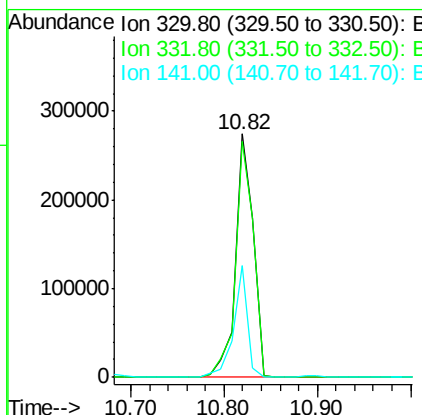
BNA_F

ClientSampleId :

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#42

2,4,6-Trichlorophenol

Concen: 58.53 ng

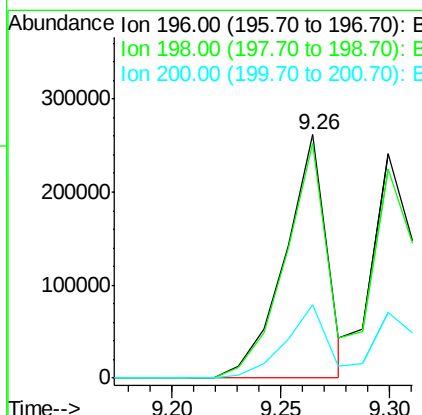
RT: 9.26 min Scan# 628

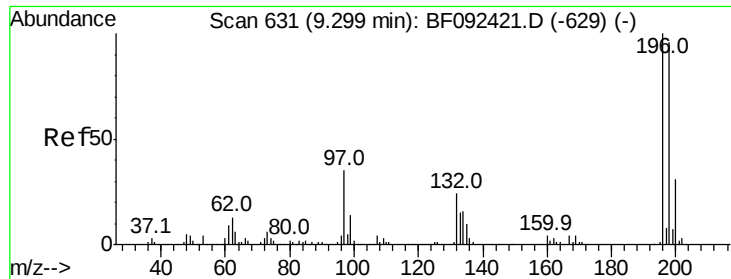
Delta R.T. 0.00 min

Lab File: BF092540.D

Acq: 26 Jan 2017 22:20

Tgt Ion:	196	Resp:	350787
Ion Ratio	Lower	Upper	
196	100		
198	96.3	82.1	123.1
200	29.9	27.0	40.4





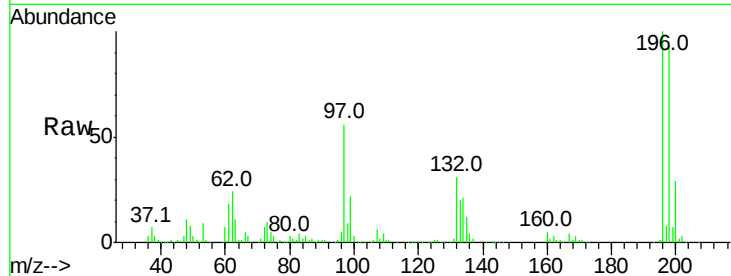
#43
 2,4,5-Trichlorophenol
 Concen: 56.42 ng
 RT: 9.30 min Scan# 631
 Delta R.T. 0.00 min
 Lab File: BF092540.D
 Acq: 26 Jan 2017 22:20

Instrument :
 BNA_F
 ClientSampleId :
 CHA-WCS-012317-1(0-70)MSD

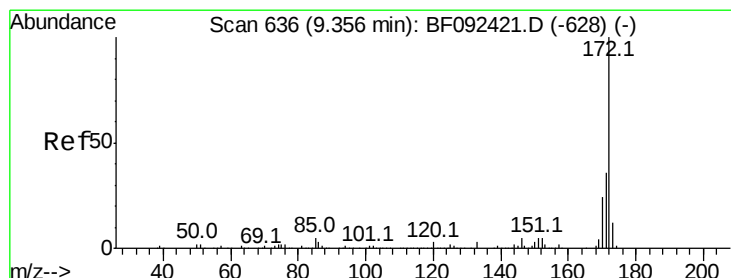
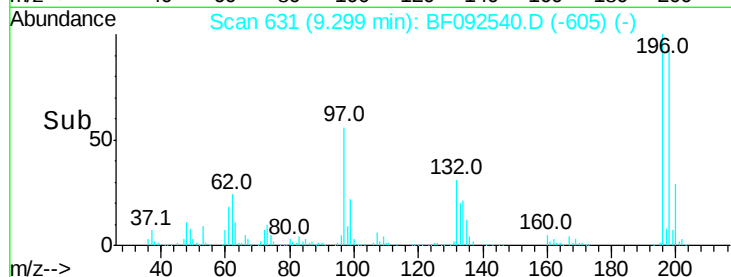
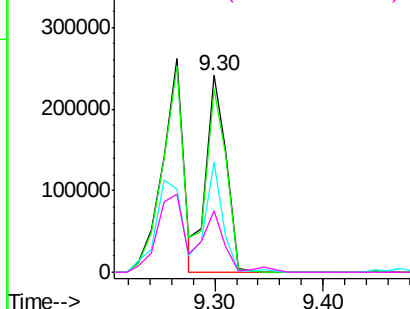
Tot Ion:	196	Resp:	309439
Ion Ratio	Lower	Upper	
196	100		
198	92.8	79.4	119.2
97	56.1	51.5	77.3
132	31.2	27.4	41.2

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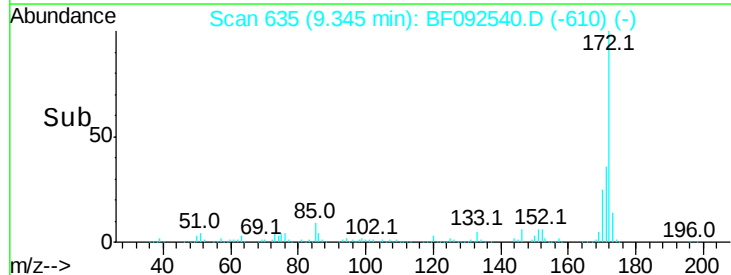
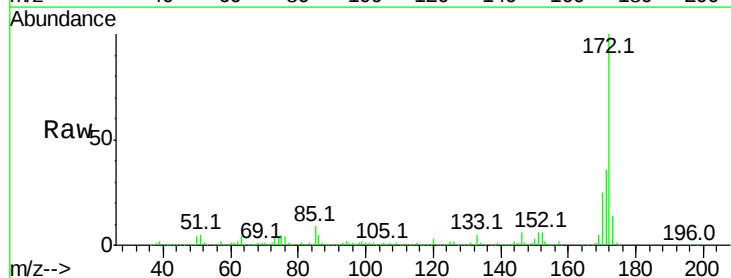
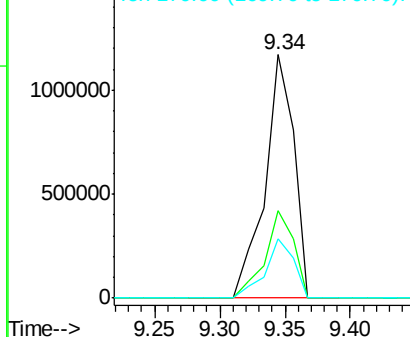
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

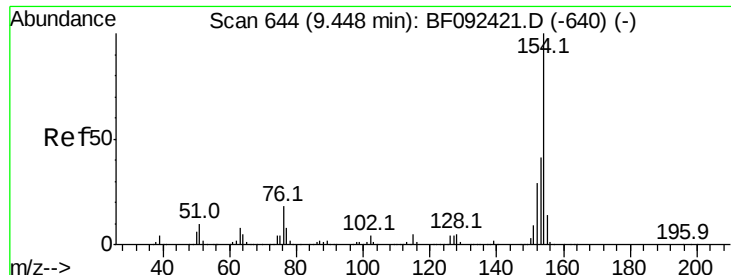


#44
 2-Fluorobiphenyl
 Concen: 108.55 ng
 RT: 9.34 min Scan# 635
 Delta R.T. -0.01 min
 Lab File: BF092540.D
 Acq: 26 Jan 2017 22:20

Tgt Ion:	172	Resp:	1820625
Ion Ratio	Lower	Upper	
172	100		
171	36.1	29.4	44.0
170	24.5	20.2	30.4

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 50.38 ng

RT: 9.45 min Scan# 644

Delta R.T. 0.00 min

Lab File: BF092540.D

Acq: 26 Jan 2017 22:20

Instrument :

BNA_F

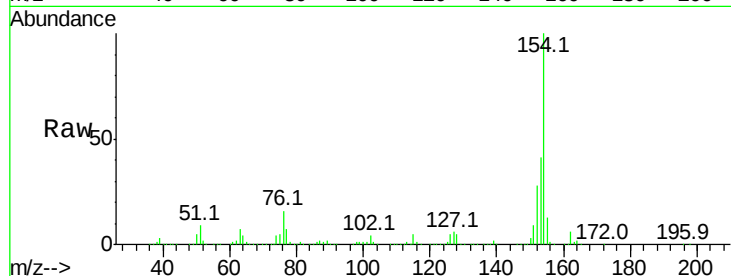
ClientSampleId :

CHA-WCS-012317-1(0-70)MSD

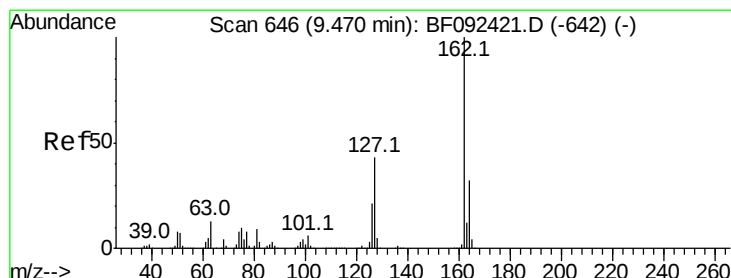
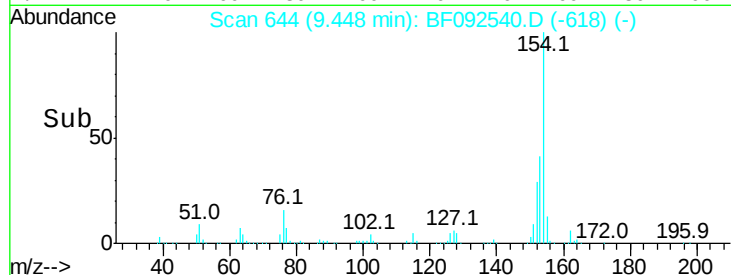
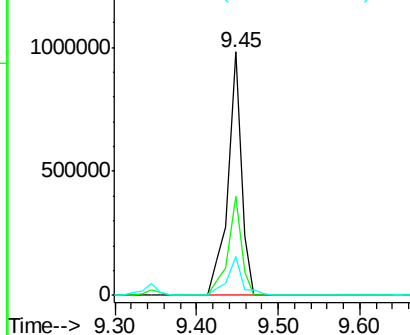
Tot Ion:	154	Resp:	1129377
Ion	Ratio	Lower	Upper
154	100		
153	40.9	20.9	60.9
76	15.9	0.0	30.5

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 48.08 ng

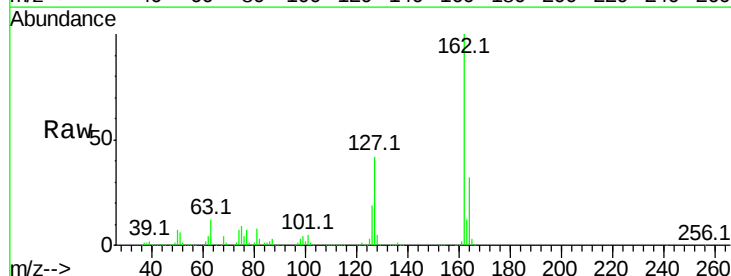
RT: 9.47 min Scan# 646

Delta R.T. 0.00 min

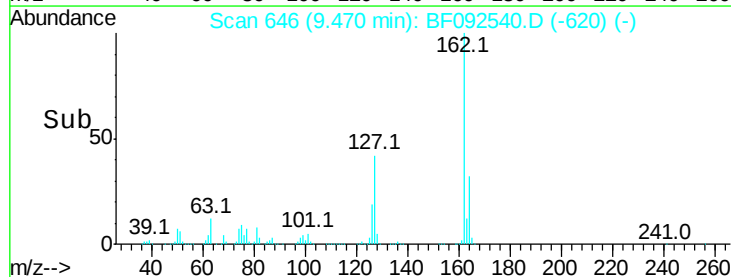
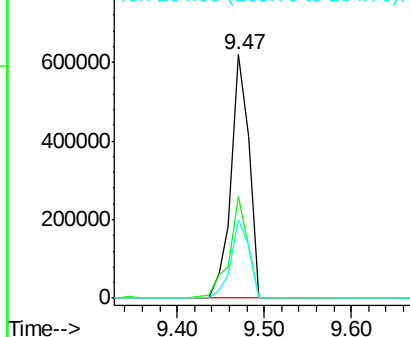
Lab File: BF092540.D

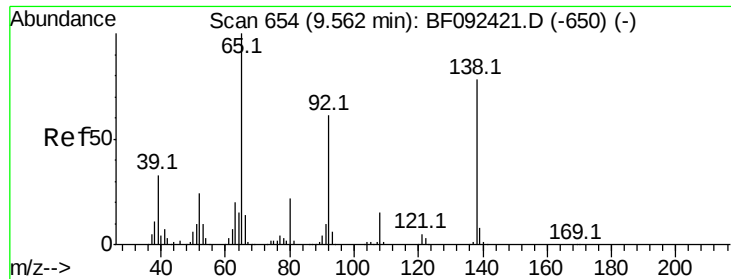
Acq: 26 Jan 2017 22:20

Tgt Ion:	162	Resp:	880344
Ion	Ratio	Lower	Upper
162	100		
127	41.6	30.7	46.1
164	32.1	27.6	41.4



Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 21.07 ng

RT: 9.56 min Scan# 654

Delta R.T. 0.00 min

Lab File: BF092540.D

Acq: 26 Jan 2017 22:20

Instrument :

BNA_F

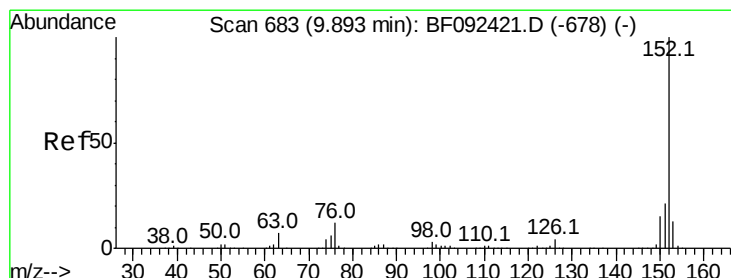
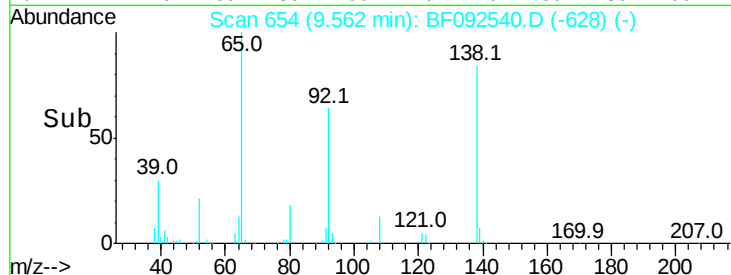
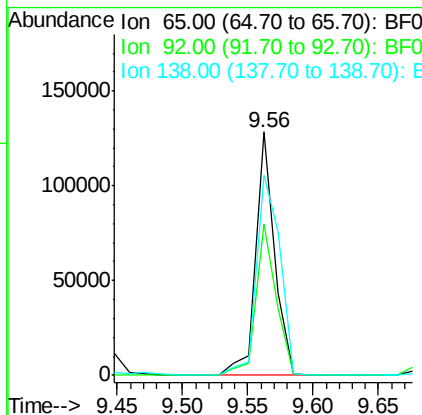
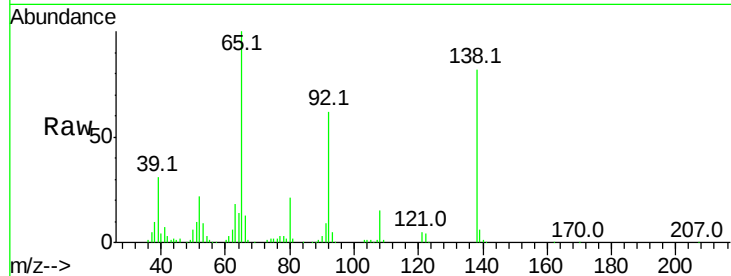
ClientSampleId :

CHA-WCS-012317-1(0-70)MSD

Tot Ion:	65	Resp:	129937
Ion Ratio	Lower	Upper	
65	100		
92	62.4	53.9	80.9
138	82.1	76.8	115.2

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#48

Acenaphthylene

Concen: 32.06 ng

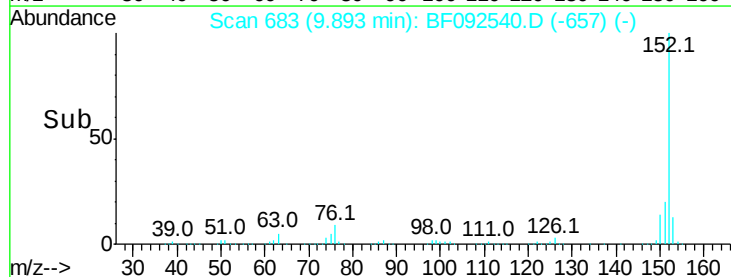
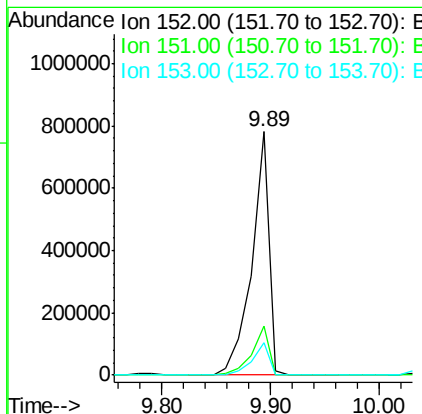
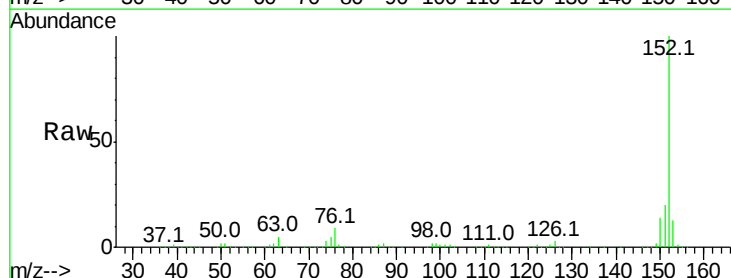
RT: 9.89 min Scan# 683

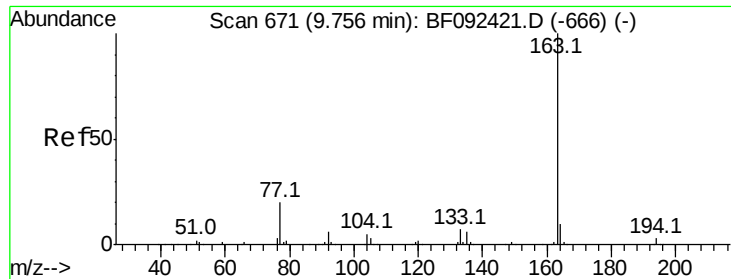
Delta R.T. 0.00 min

Lab File: BF092540.D

Acq: 26 Jan 2017 22:20

Tgt Ion:	152	Resp:	861093
Ion Ratio	Lower	Upper	
152	100		
151	20.2	16.9	25.3
153	13.3	11.4	17.2





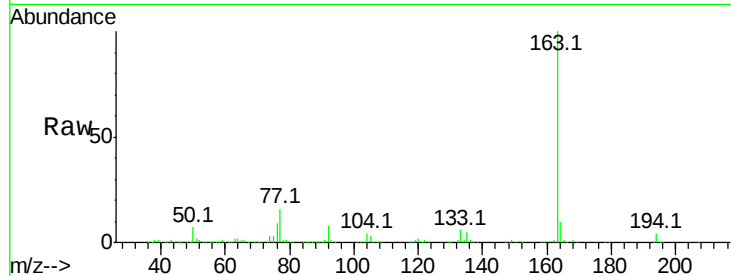
#49
Dimethylphthalate
Concen: 61.46 ng
RT: 9.76 min Scan# 671
Delta R.T. 0.00 min
Lab File: BF092540.D
Acq: 26 Jan 2017 22:20

Instrument :
BNA_F
ClientSampleId :
CHA-WCS-012317-1(0-70)MSD

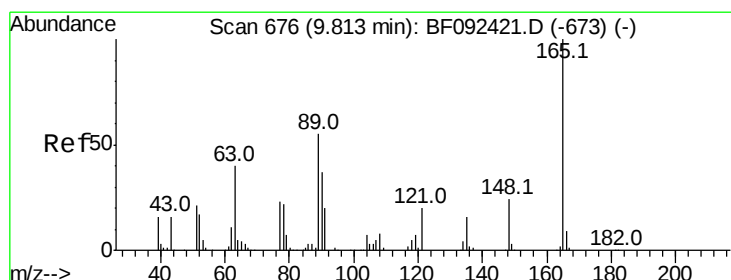
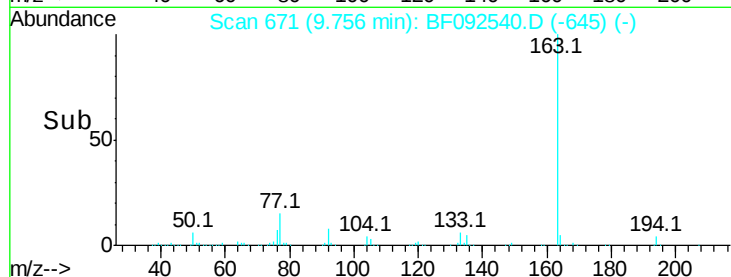
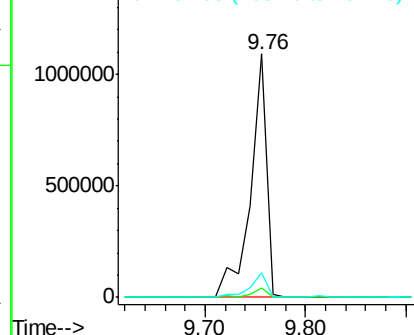
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.4
164	10.0	8.0	12.0

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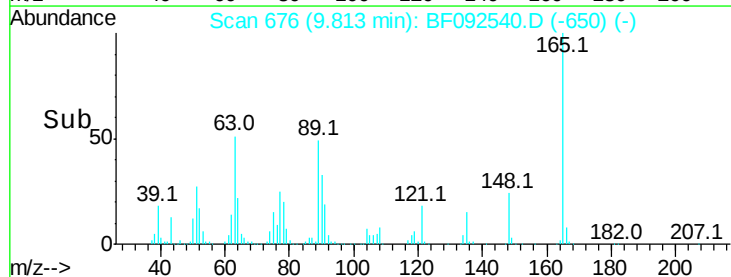
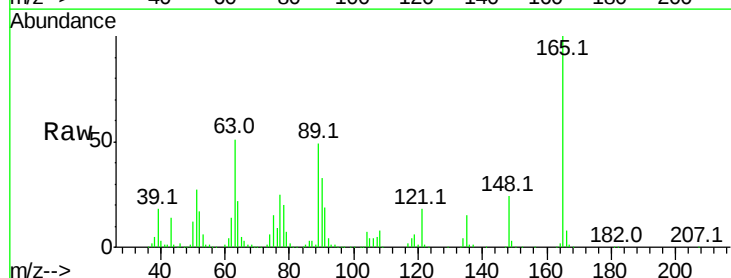
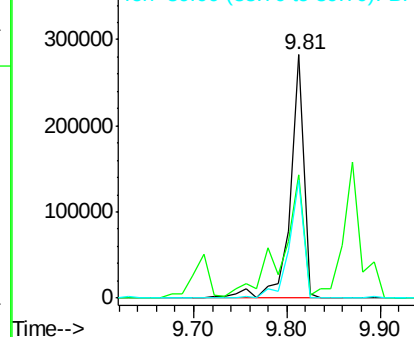
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

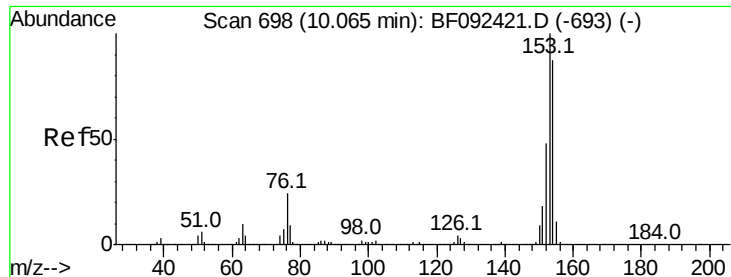


#50
2,6-Dinitrotoluene
Concen: 70.80 ng
RT: 9.81 min Scan# 676
Delta R.T. 0.00 min
Lab File: BF092540.D
Acq: 26 Jan 2017 22:20

Tgt Ion	Ratio	Lower	Upper
165	100		
63	50.8	36.2	54.4
89	48.6	40.2	60.4

Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 54.42 ng

RT: 10.06 min Scan# 698

Delta R.T. 0.00 min

Lab File: BF092540.D

Acq: 26 Jan 2017 22:20

Instrument :

BNA_F

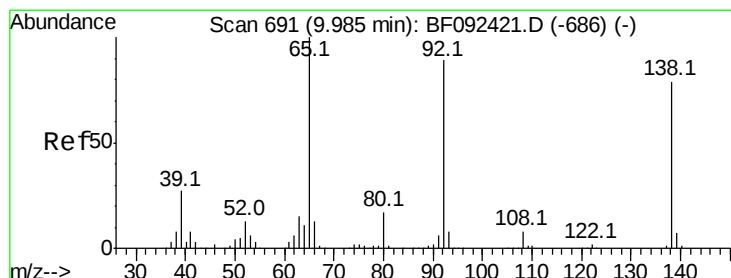
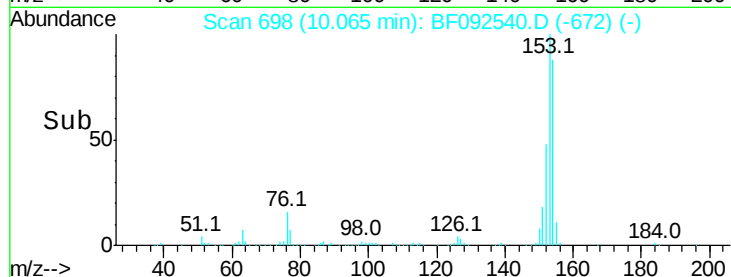
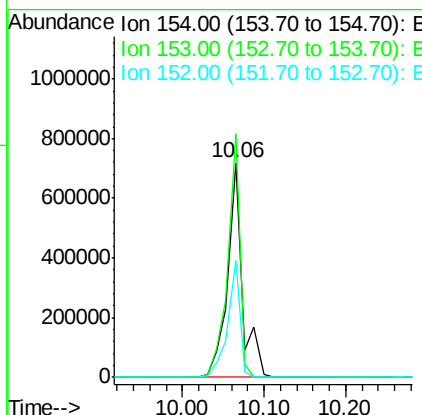
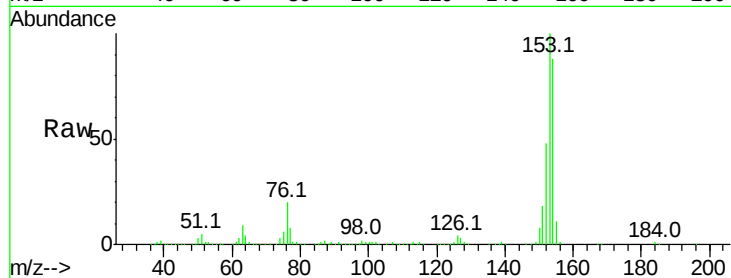
ClientSampleId :

CHA-WCS-012317-1(0-70)MSD

Tot Ion:	154	Resp:	908102
Ion Ratio	Lower	Upper	
154	100		
153	113.5	88.6	133.0
152	54.7	41.6	62.4

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#52

3-Nitroaniline

Concen: 5.57 ng

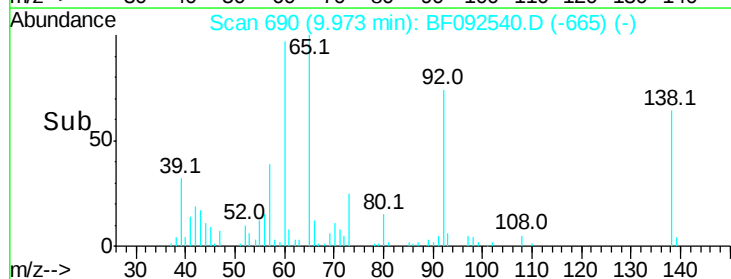
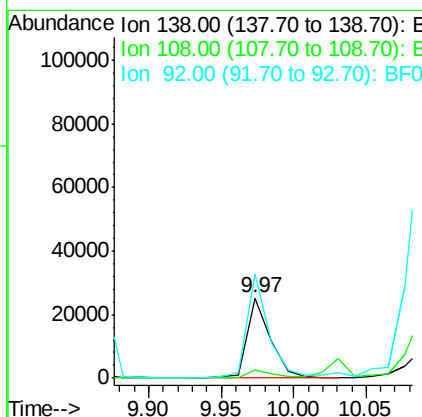
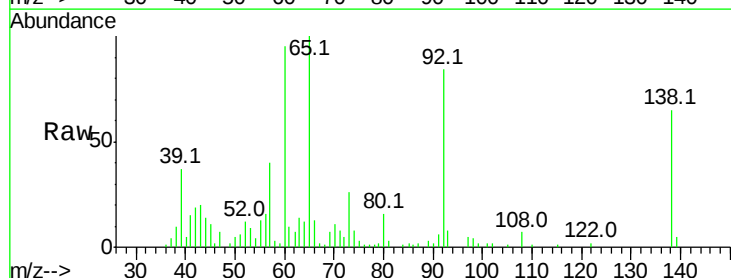
RT: 9.97 min Scan# 690

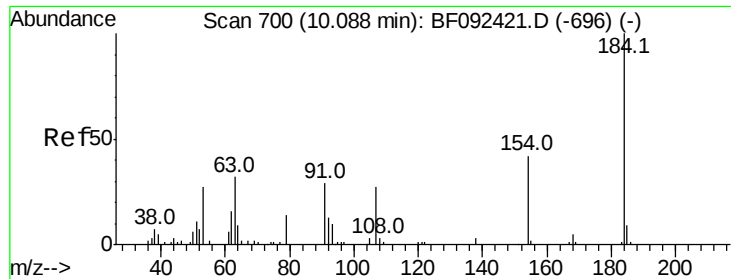
Delta R.T. -0.01 min

Lab File: BF092540.D

Acq: 26 Jan 2017 22:20

Tgt Ion:	138	Resp:	28116
Ion Ratio	Lower	Upper	
138	100		
108	10.6	8.5	12.7
92	130.5	97.8	146.8





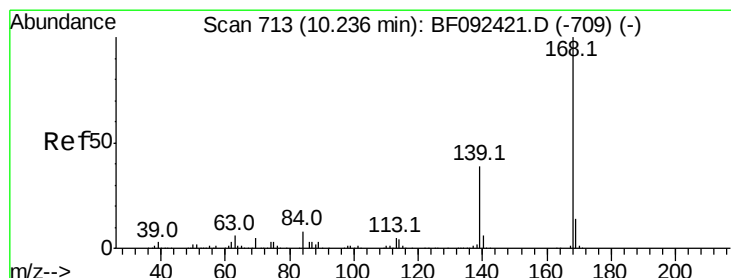
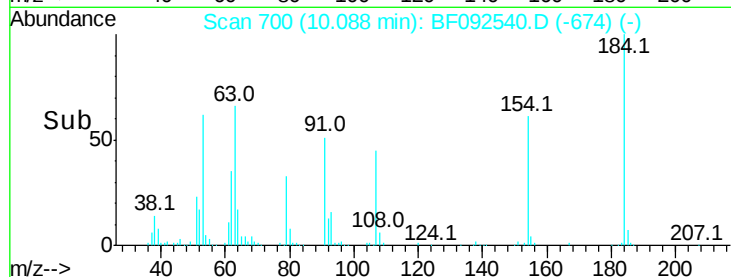
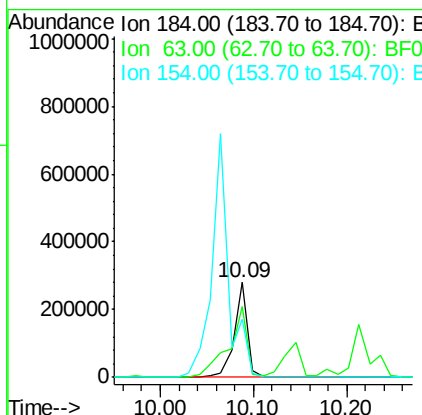
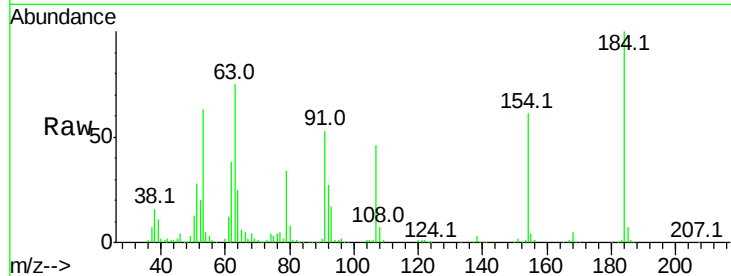
#53
2,4-Dinitrophenol
Concen: 93.27 ng
RT: 10.09 min Scan# 700
Delta R.T. 0.00 min
Lab File: BF092540.D
Acq: 26 Jan 2017 22:20

Instrument :
BNA_F
ClientSampleId :
CHA-WCS-012317-1(0-70)MSD

Tot Ion	Ratio	Resp	Lower	Upper
184	100	276563		
63	75.5	28.4	42.6	#
154	60.9	44.3	66.5	

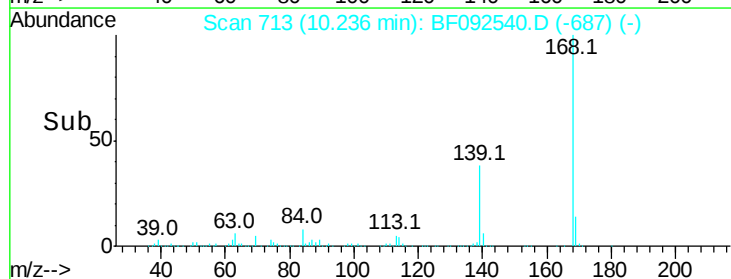
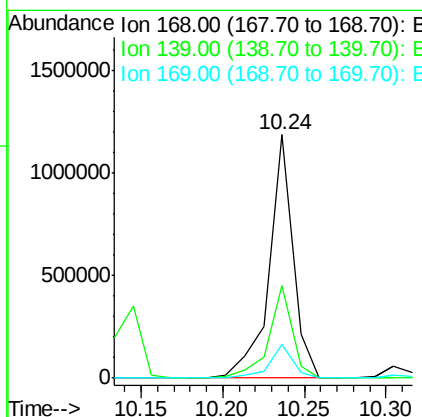
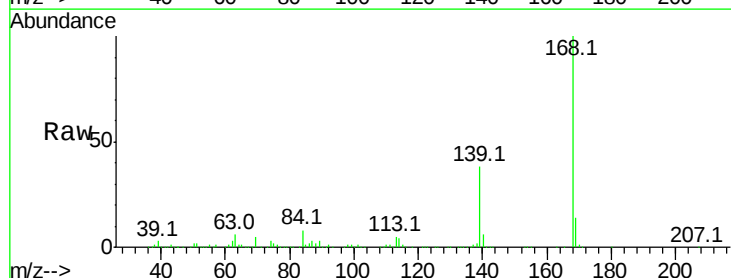
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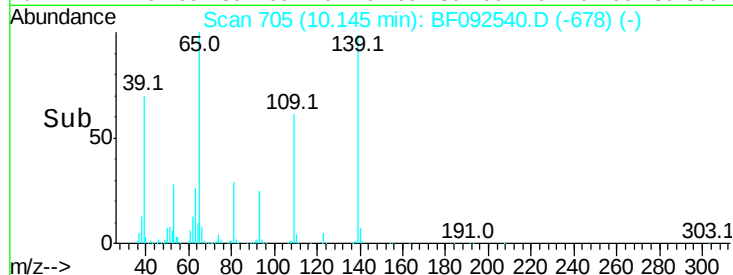
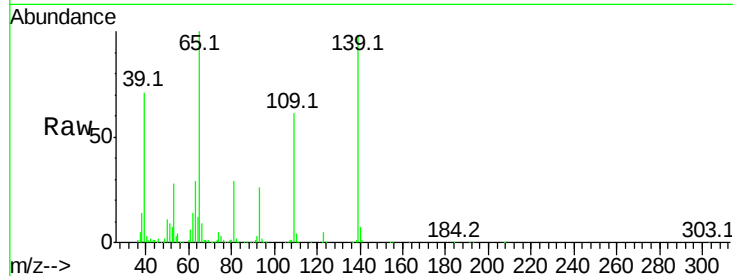
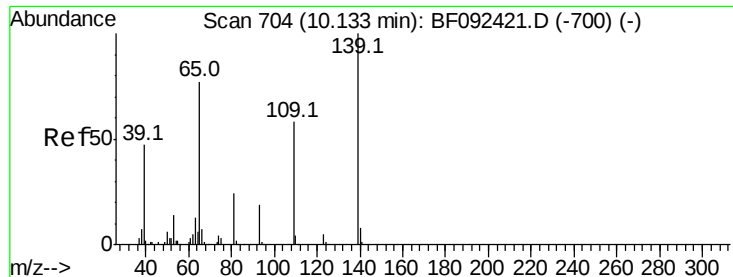
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#54
Dibenzofuran
Concen: 53.85 ng
RT: 10.24 min Scan# 713
Delta R.T. 0.00 min
Lab File: BF092540.D
Acq: 26 Jan 2017 22:20

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	1220336		
139	38.2	32.6	49.0	
169	13.6	11.3	16.9	





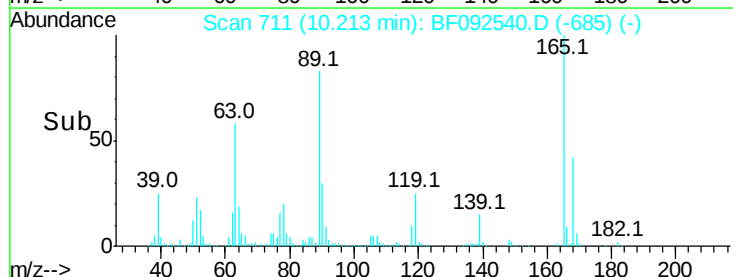
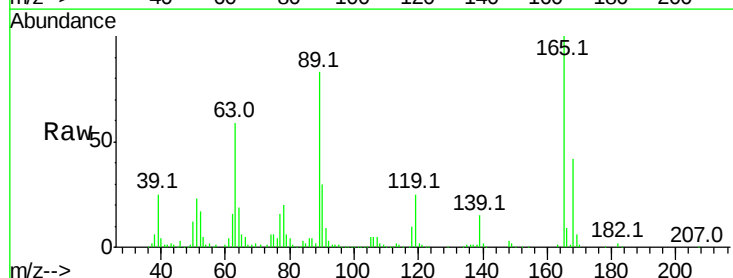
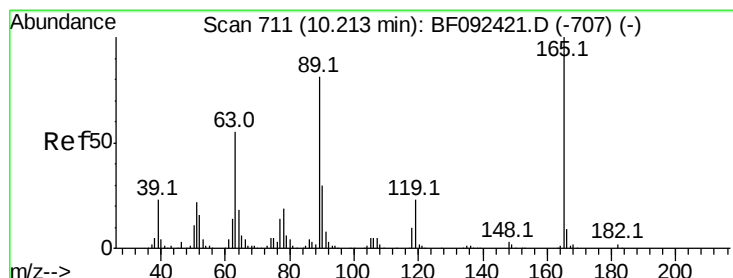
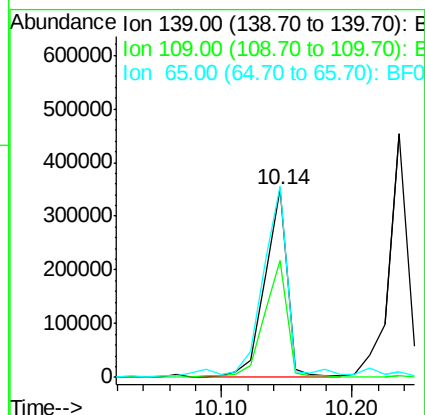
#55
4-Nitrophenol
Concen: 104.64 ng
RT: 10.14 min Scan# 705
Delta R.T. 0.01 min
Lab File: BF092540.D
Acq: 26 Jan 2017 22:20

Tot Ion:139 Resp: 419533
Ion Ratio Lower Upper
139 100
109 62.2 52.2 92.2
65 101.6 85.8 125.8

Instrument :
BNA_F
ClientSampleId :
CHA-WCS-012317-1(0-70)MSD

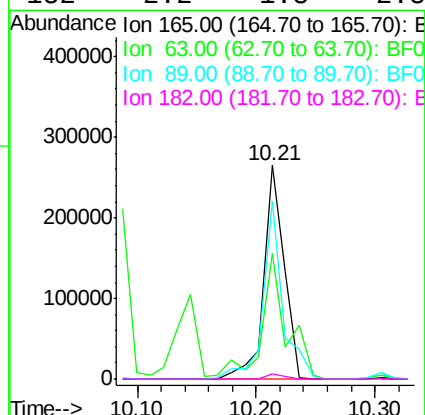
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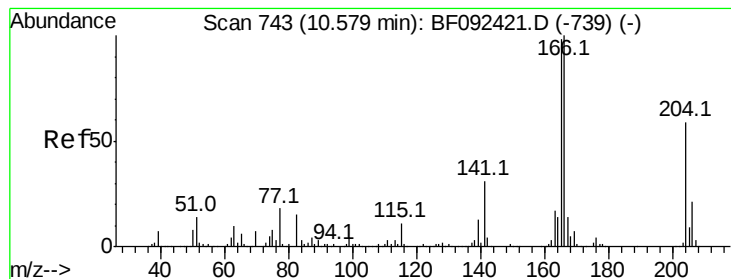
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#56
2,4-Dinitrotoluene
Concen: 59.21 ng
RT: 10.21 min Scan# 711
Delta R.T. 0.00 min
Lab File: BF092540.D
Acq: 26 Jan 2017 22:20

Tgt Ion:165 Resp: 316825
Ion Ratio Lower Upper
165 100
63 58.6 40.2 60.4
89 83.0 62.5 93.7
182 2.2 1.8 2.8





#57

Fluorene

Concen: 54.51 ng

RT: 10.58 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF092540.D

Acq: 26 Jan 2017 22:20

Instrument :

BNA_F

ClientSampleId :

CHA-WCS-012317-1(0-70)MSD

Tot Ion:166 Resp: 915874

Ion Ratio Lower Upper

166 100

165 100.2 77.8 116.8

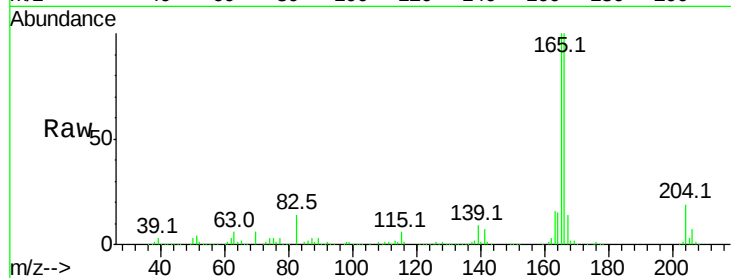
167 13.6 10.8 16.2

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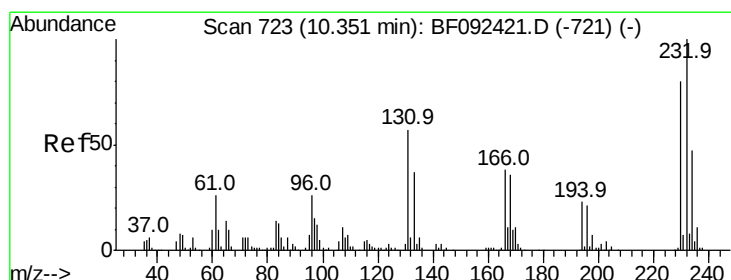
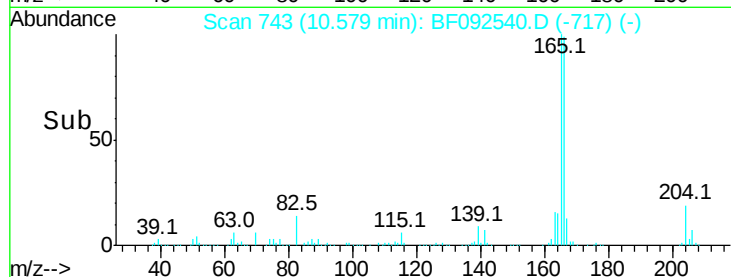
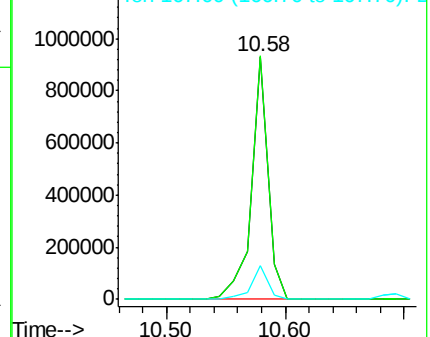


Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 59.78 ng

RT: 10.35 min Scan# 723

Delta R.T. 0.00 min

Lab File: BF092540.D

Acq: 26 Jan 2017 22:20

Tgt Ion:232 Resp: 245622

Ion Ratio Lower Upper

232 100

131 50.1 40.1 60.1

130 2.4 1.8 2.8

166 33.7 26.6 39.8

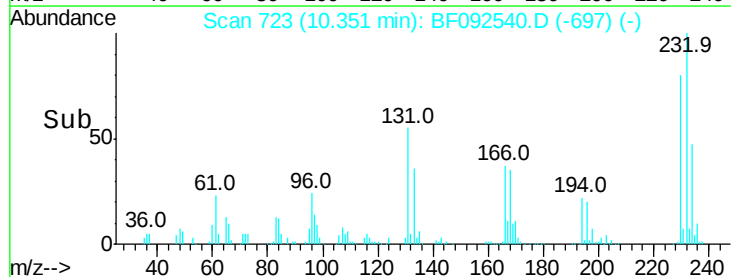
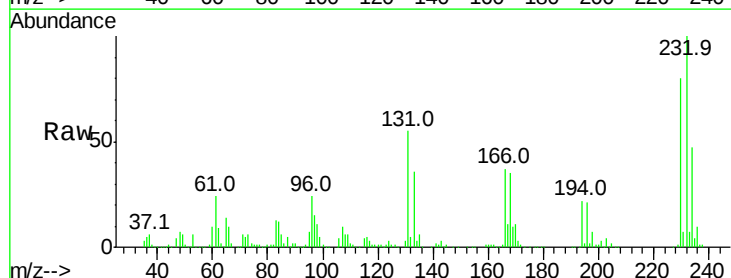
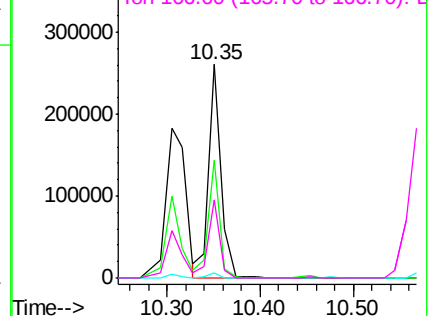
Abundance

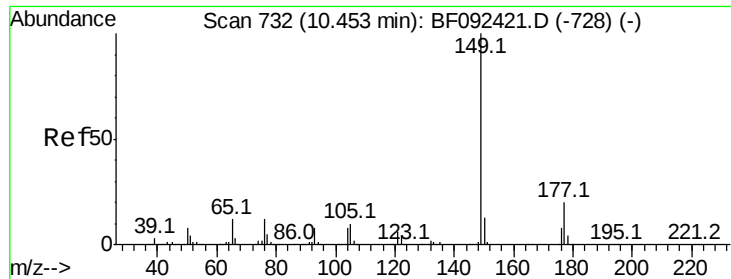
Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





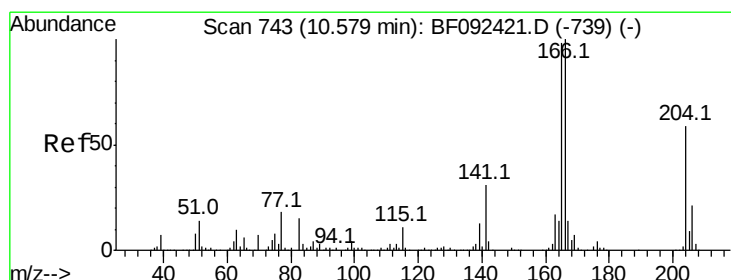
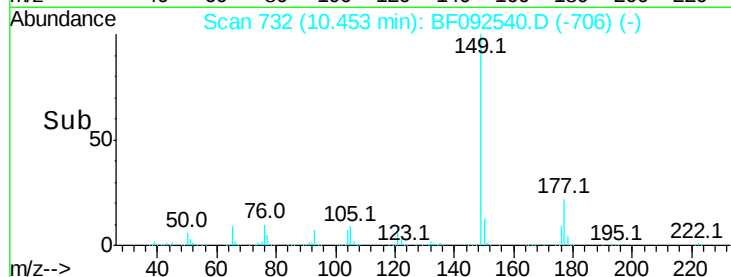
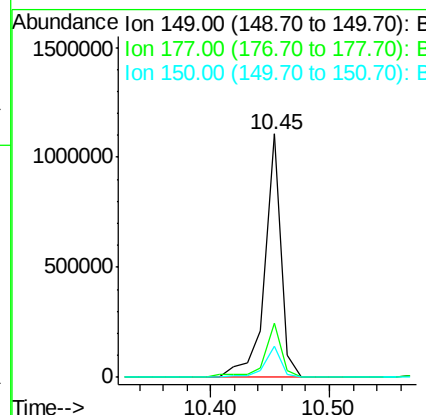
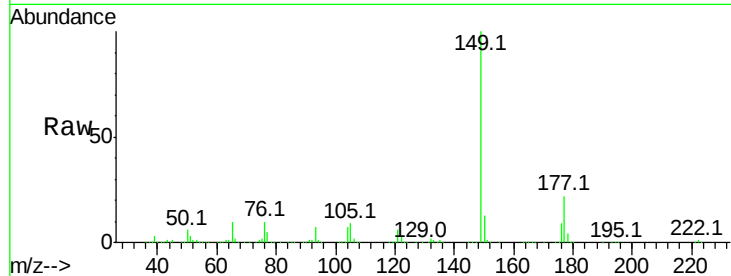
#59
Diethylphthalate
Concen: 55.93 ng
RT: 10.45 min Scan# 732
Delta R.T. 0.00 min
Lab File: BF092540.D
Acq: 26 Jan 2017 22:20

Instrument :
BNA_F
ClientSampleId :
CHA-WCS-012317-1(0-70)MSD

Tot Ion	Ratio	Lower	Upper
149	100		
177	22.4	16.6	25.0
150	12.7	10.4	15.6

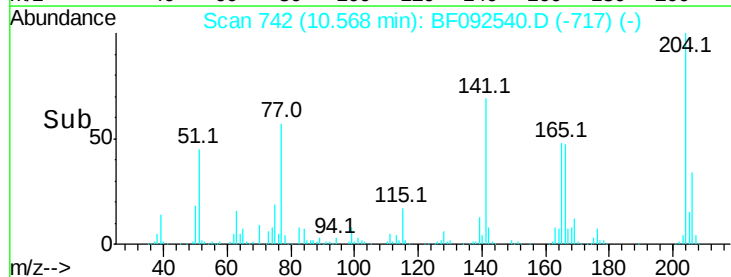
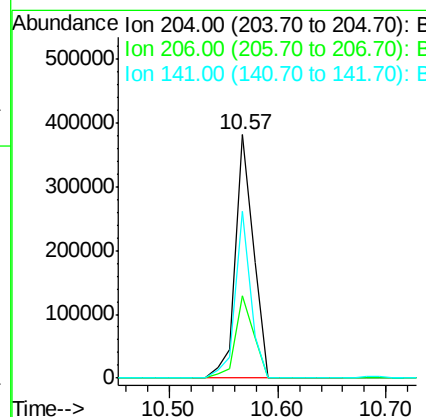
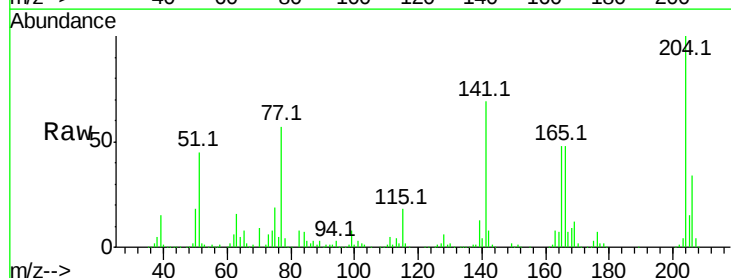
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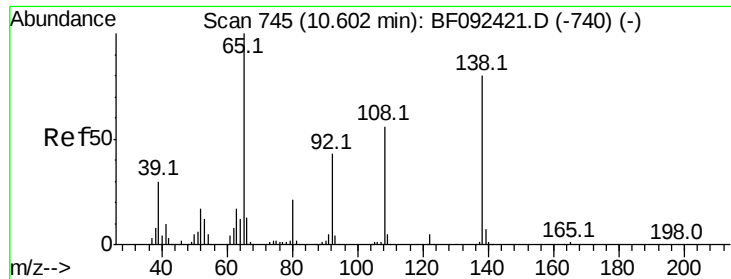
mohammad
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#60
4-Chlorophenyl-phenylether
Concen: 52.71 ng
RT: 10.57 min Scan# 742
Delta R.T. -0.01 min
Lab File: BF092540.D
Acq: 26 Jan 2017 22:20

Tgt Ion	Ratio	Lower	Upper
204	100		
206	33.6	25.8	38.6
141	68.7	59.4	89.0





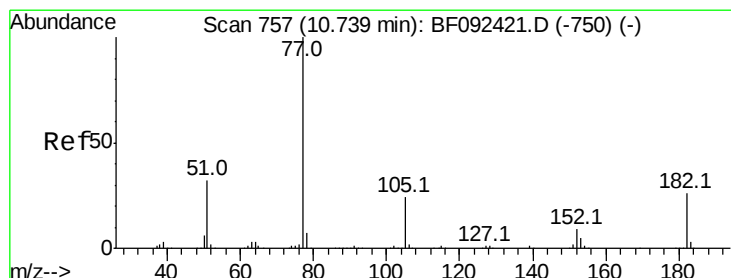
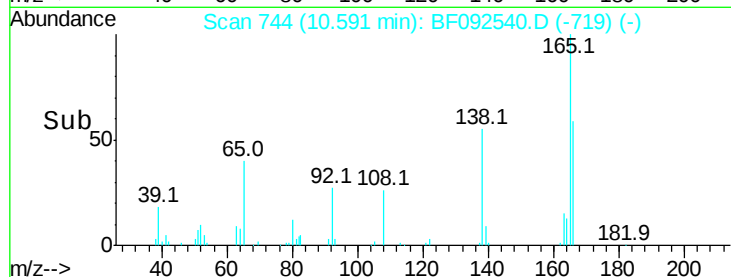
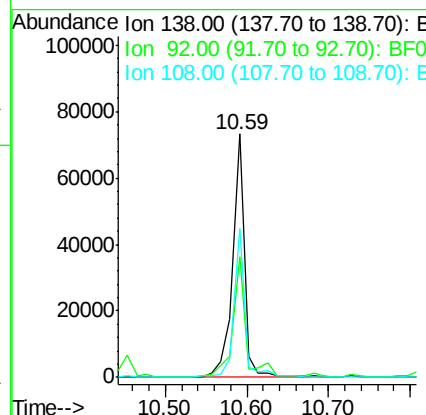
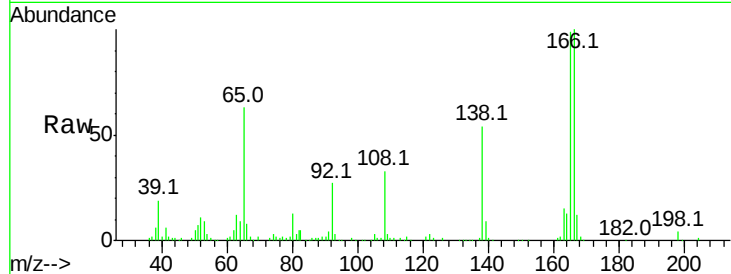
#61
4-Nitroaniline
Concen: 14.72 ng
RT: 10.59 min Scan# 744
Delta R.T. -0.01 min
Lab File: BF092540.D
Acq: 26 Jan 2017 22:20

Instrument :
BNA_F
ClientSampleID :
CHA-WCS-012317-1(0-70)MSD

Tot Ion	Ratio	Lower	Upper
138	100		
92	49.4	31.7	71.7
108	61.1	52.6	92.6

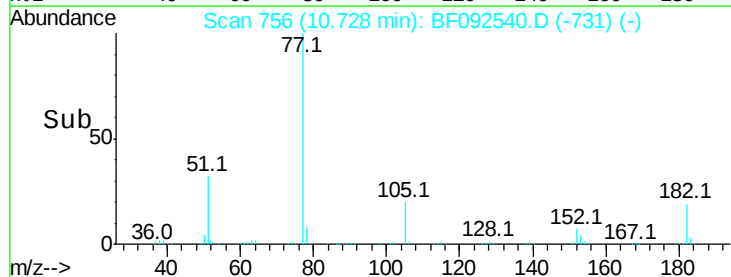
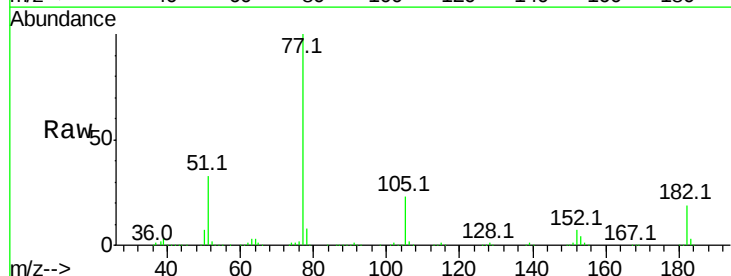
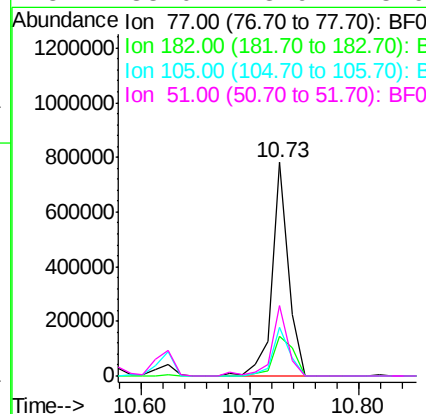
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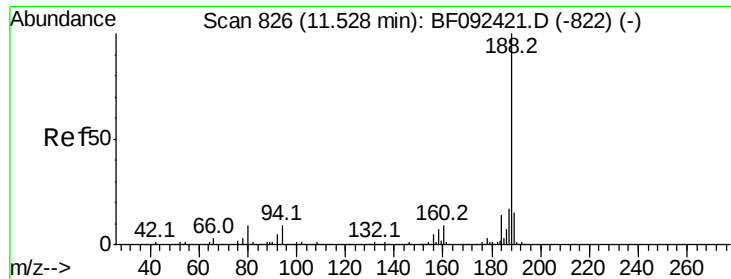
mohammad
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#62
Azobenzene
Concen: 37.88 ng
RT: 10.73 min Scan# 756
Delta R.T. -0.01 min
Lab File: BF092540.D
Acq: 26 Jan 2017 22:20

Tgt Ion	Ratio	Lower	Upper
77	100		
182	18.9	0.0	39.3
105	23.0	2.3	42.3
51	33.0	8.9	48.9





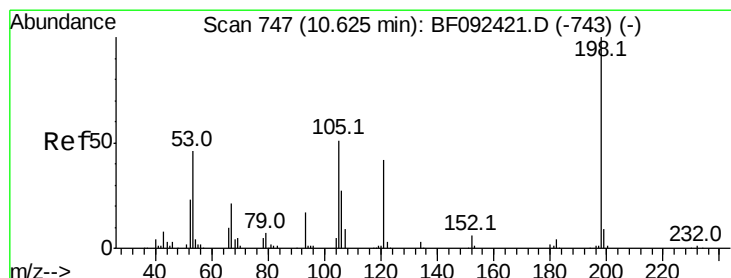
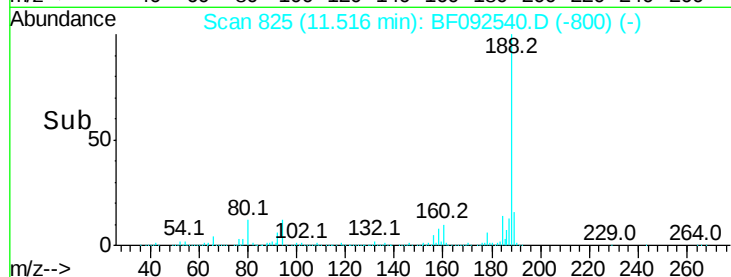
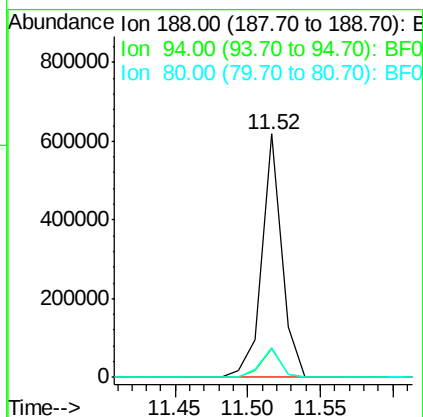
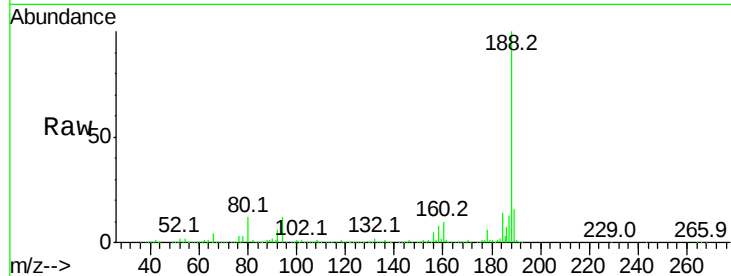
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.52 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF092540.D
Acq: 26 Jan 2017 22:20

Instrument :
BNA_F
ClientSampleId :
CHA-WCS-012317-1(0-70)MSD

Tot Ion	Ratio	Resp	Lower	Upper
188	100	590981		
94	11.6		10.0	15.0
80	12.4		11.2	16.8

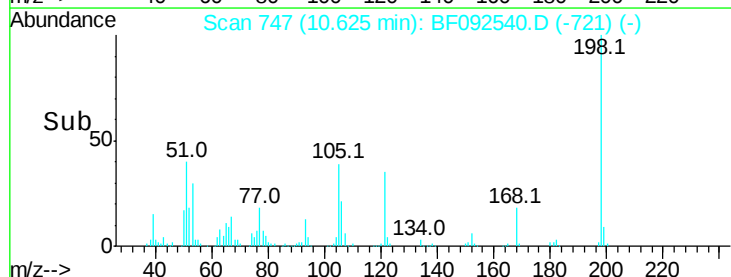
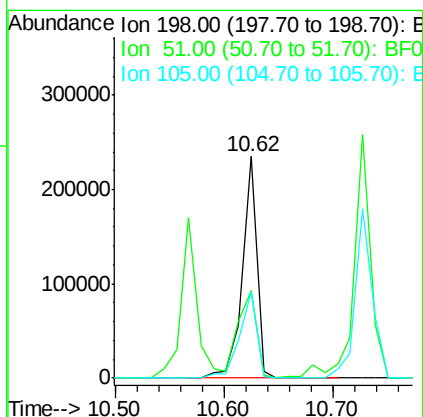
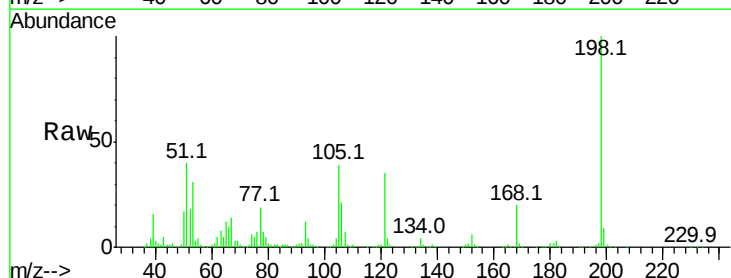
Manual Integrations
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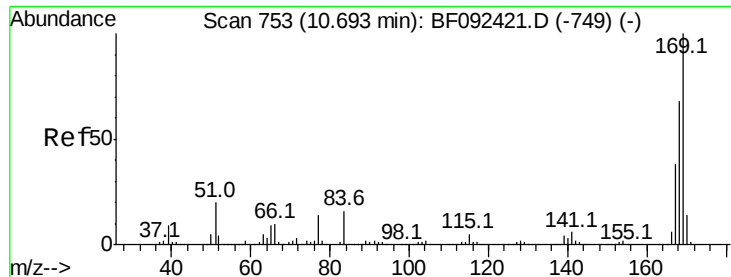
mohammad
1/27/2017 3:03:10 PM



#64
4,6-Dinitro-2-methylphenol
Concen: 65.59 ng
RT: 10.62 min Scan# 747
Delta R.T. 0.00 min
Lab File: BF092540.D
Acq: 26 Jan 2017 22:20

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	215324		
51	39.5		6.7	46.7
105	38.8		16.6	56.6





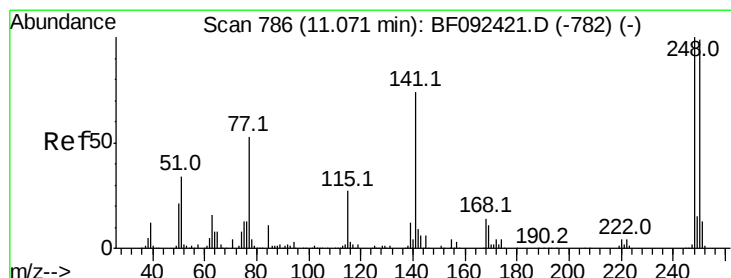
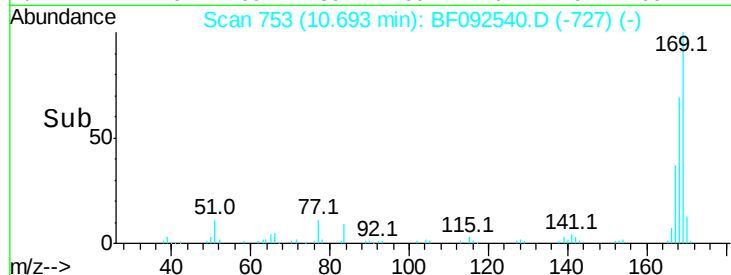
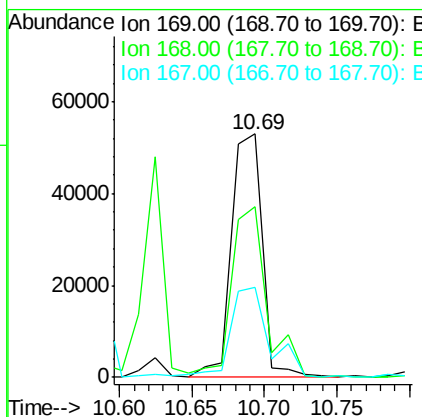
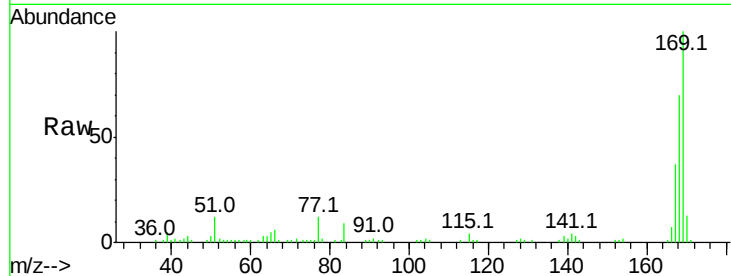
#65
 n-Nitrosodiphenylamine
 Concen: 4.25 ng
 RT: 10.69 min Scan# 753
 Delta R.T. 0.00 min
 Lab File: BF092540.D
 Acq: 26 Jan 2017 22:20

Instrument :
 BNA_F
 ClientSampleId :
 CHA-WCS-012317-1(0-70)MSD

Tot Ion	Ratio	Resp	Lower	Upper
169	100	78512		
168	69.9		54.2	81.2
167	36.9		30.2	45.4

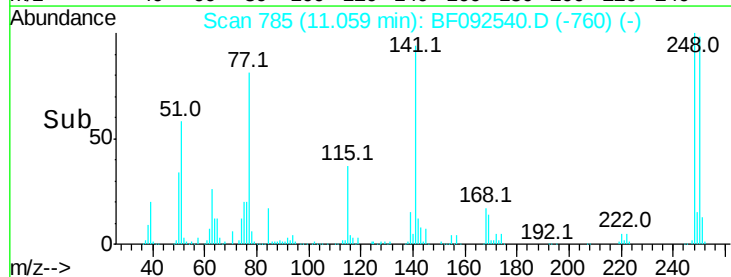
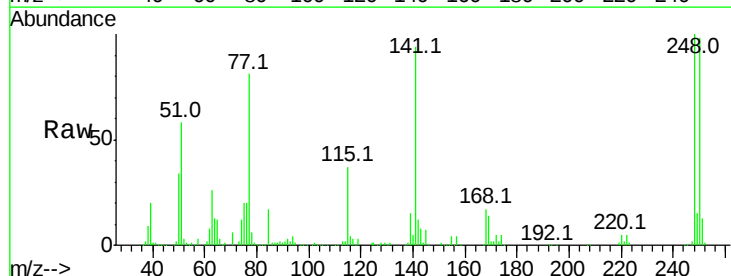
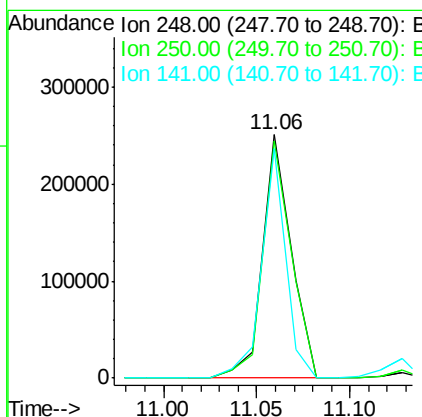
Manual Integrations
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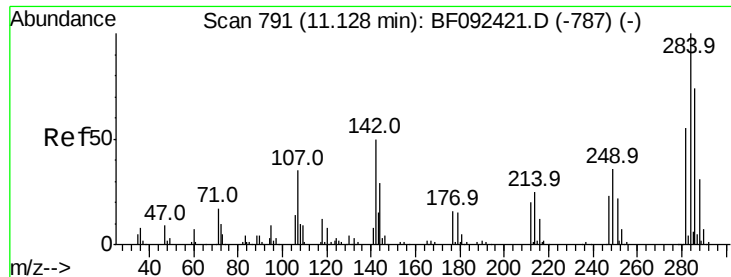
mohammad
 1/27/2017 3:03:10 PM



#66
 4-Bromophenyl-phenylether
 Concen: 44.52 ng
 RT: 11.06 min Scan# 785
 Delta R.T. -0.01 min
 Lab File: BF092540.D
 Acq: 26 Jan 2017 22:20

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	265675		
250	97.6		76.9	115.3
141	94.5		68.2	102.4





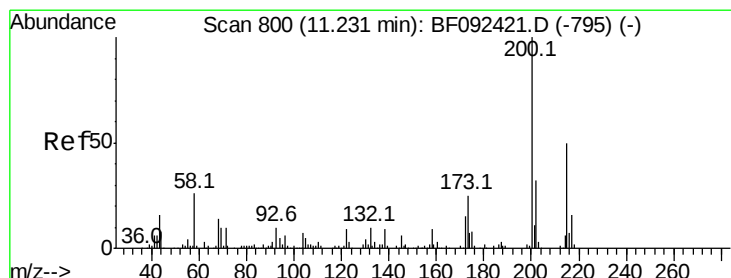
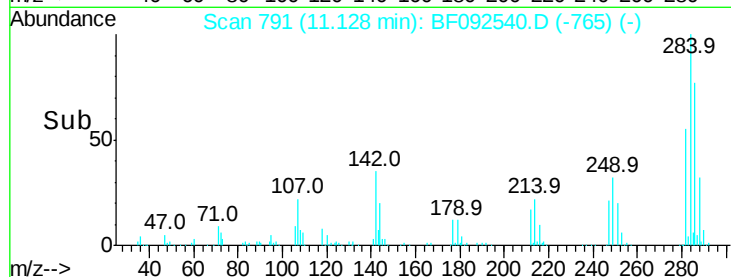
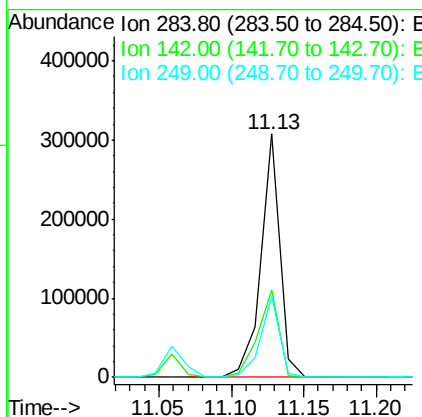
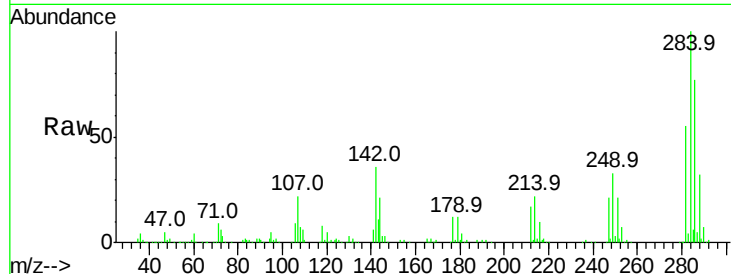
#67
Hexachlorobenzene
Concen: 46.14 ng
RT: 11.13 min Scan# 791
Delta R.T. 0.00 min
Lab File: BF092540.D
Acq: 26 Jan 2017 22:20

Instrument :
BNA_F
ClientSampleId :
CHA-WCS-012317-1(0-70)MSD

Tot Ion	Ratio	Resp	Lower	Upper
284	100	278289		
142	35.8	22.6	33.8#	
249	33.2	25.4	38.0	

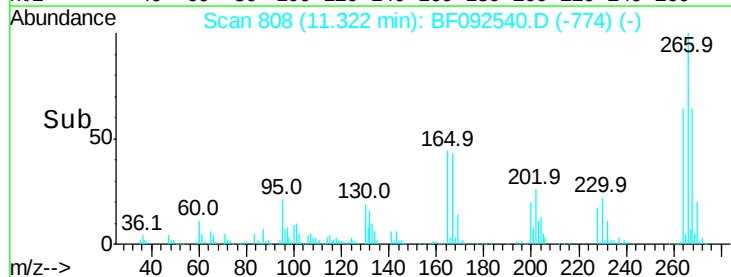
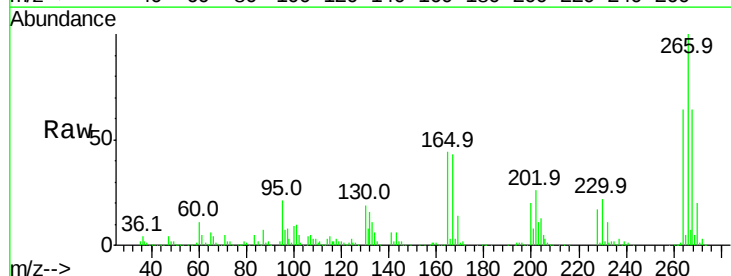
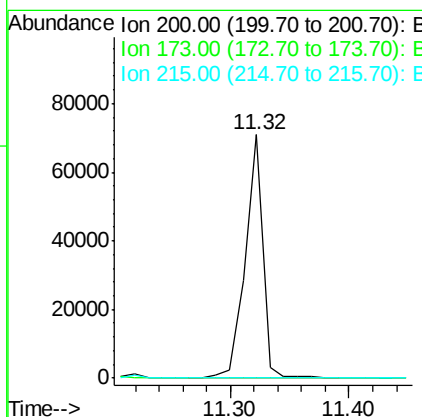
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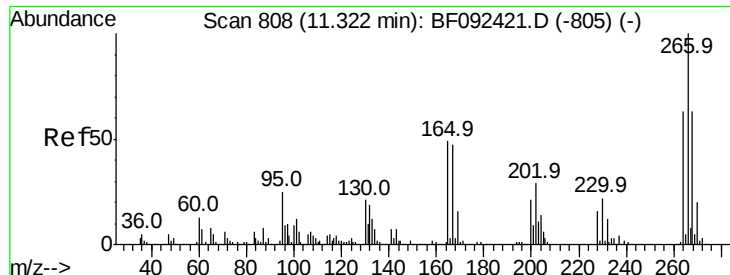
mohammad
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#68
Atrazine
Concen: 11.65 ng
RT: 11.32 min Scan# 808
Delta R.T. 0.09 min
Lab File: BF092540.D
Acq: 26 Jan 2017 22:20

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	73581		
173	0.0	9.6	49.6#	
215	0.0	25.7	65.7#	





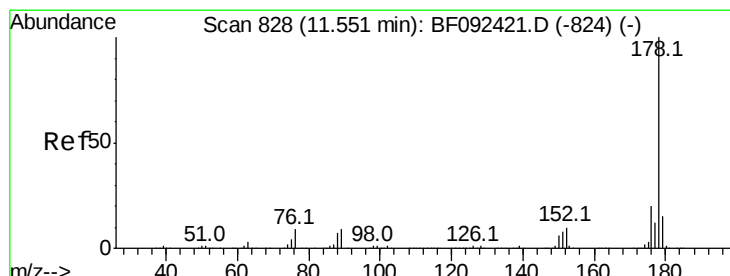
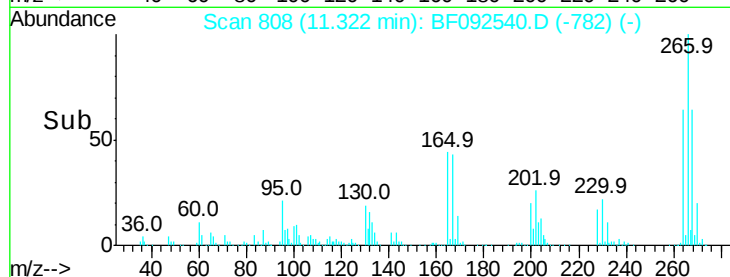
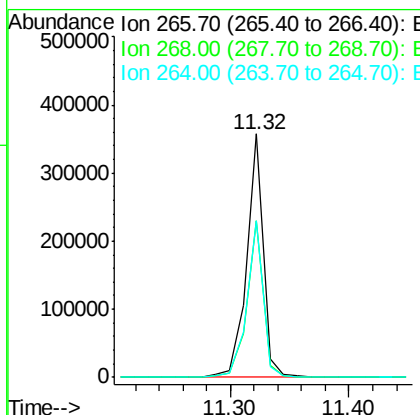
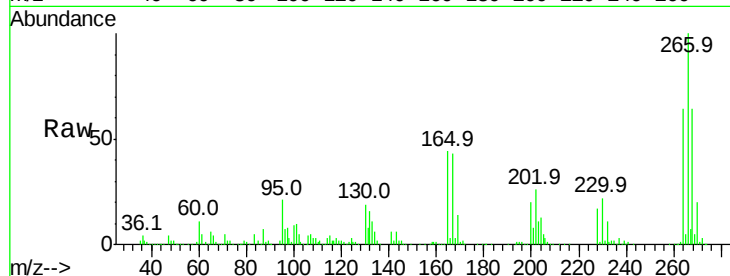
#69
 Pentachlorophenol
 Concen: 91.47 ng
 RT: 11.32 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: BF092540.D
 Acq: 26 Jan 2017 22:20

Instrument :
 BNA_F
 ClientSampleId :
 CHA-WCS-012317-1(0-70)MSD

Tot Ion	Ratio	Resp	Lower	Upper
266	100	352725		
268	64.3	53.3	79.9	
264	64.5	50.3	75.5	

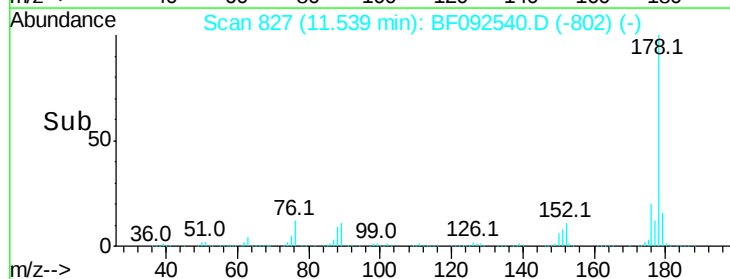
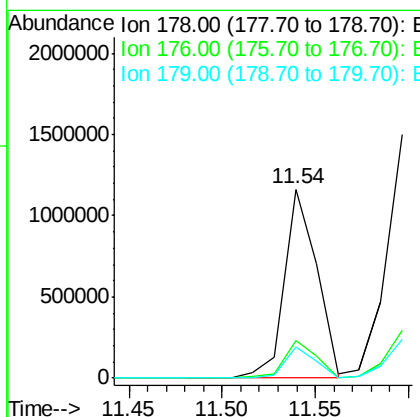
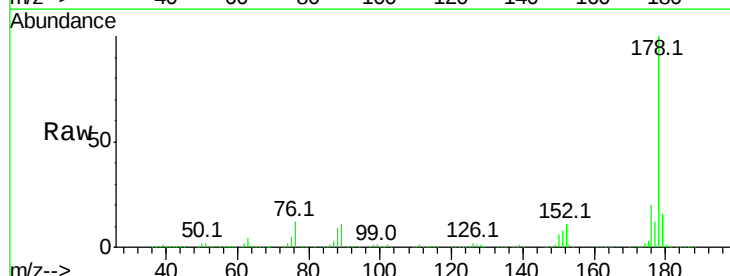
Manual Integrations
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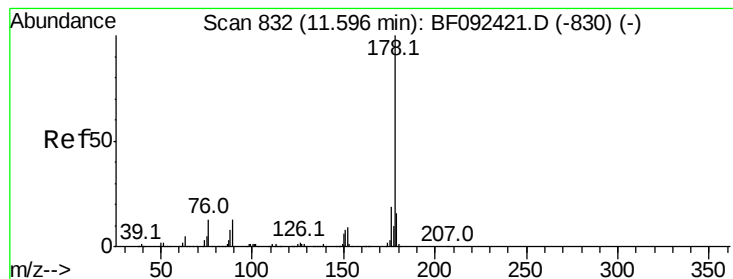
mohammad
 1/27/2017 3:03:10 PM



#70
 Phenanthrene
 Concen: 43.40 ng
 RT: 11.54 min Scan# 827
 Delta R.T. -0.01 min
 Lab File: BF092540.D
 Acq: 26 Jan 2017 22:20

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1412368		
176	20.1	16.6	25.0	
179	16.2	12.8	19.2	





#71

Anthracene

Concen: 44.96 ng

RT: 11.60 min Scan# 832

Delta R.T. 0.00 min

Lab File: BF092540.D

Acq: 26 Jan 2017 22:20

Instrument :

BNA_F

ClientSampleId :

CHA-WCS-012317-1(0-70)MSD

Tot Ion:178 Resp: 1429922

Ion Ratio Lower Upper

178 100

176 19.7 15.9 23.9

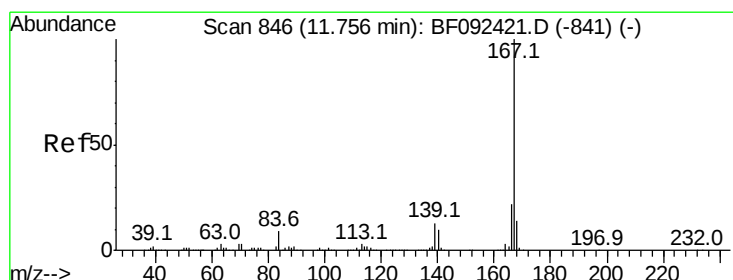
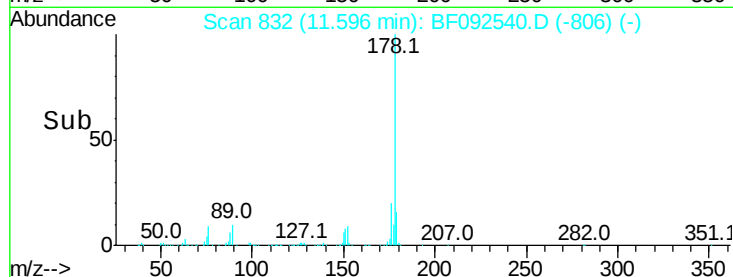
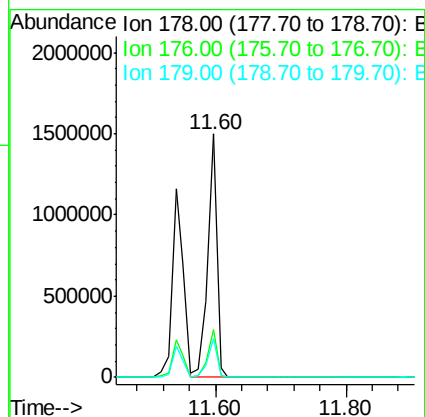
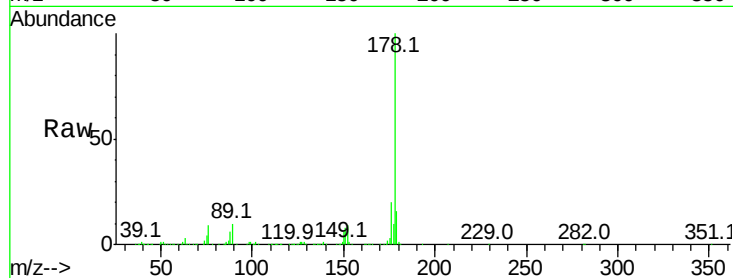
179 15.9 13.2 19.8

Manual Integrations

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#72

Carbazole

Concen: 3.01 ng

RT: 11.74 min Scan# 845

Delta R.T. -0.01 min

Lab File: BF092540.D

Acq: 26 Jan 2017 22:20

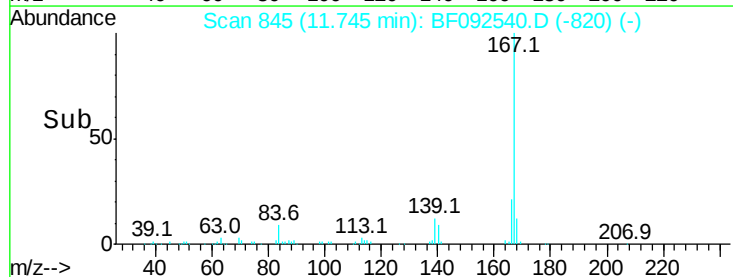
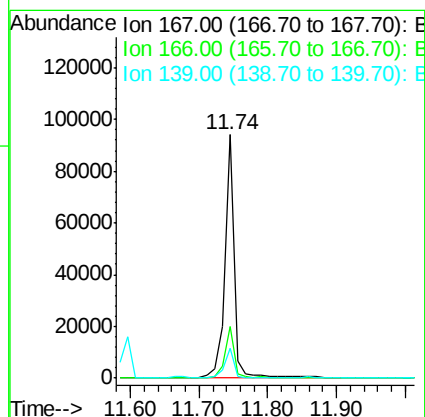
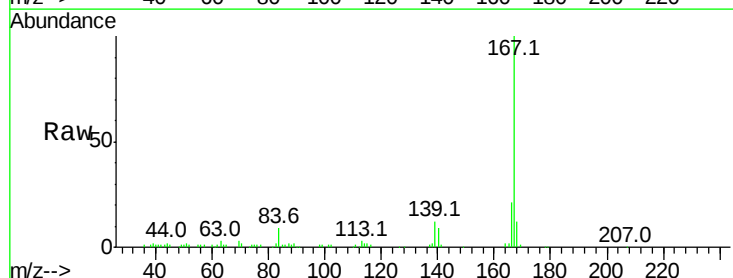
Tgt Ion:167 Resp: 91454

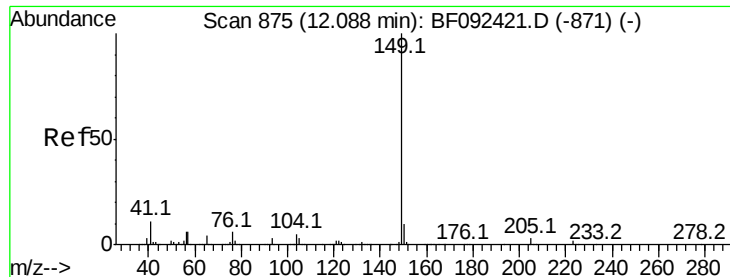
Ion Ratio Lower Upper

167 100

166 21.3 18.2 27.2

139 12.3 11.4 17.2





#73

Di-n-butylphthalate

Concen: 47.42 ng

RT: 12.08 min Scan# 874

Delta R.T. -0.01 min

Lab File: BF092540.D

Acq: 26 Jan 2017 22:20

Instrument :

BNA_F

ClientSampleId :

CHA-WCS-012317-1(0-70)MSD

Tot Ion:149 Resp: 1646817

Ion Ratio Lower Upper

149 100

150 9.5 8.1 12.1

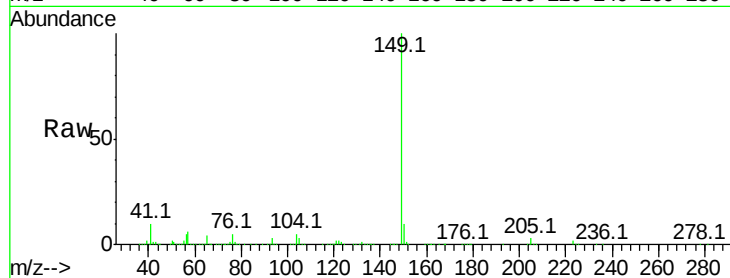
104 4.7 4.6 7.0

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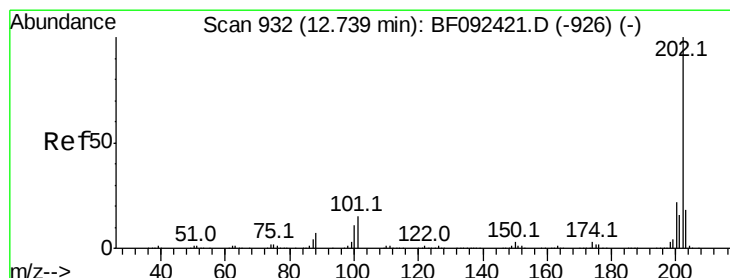
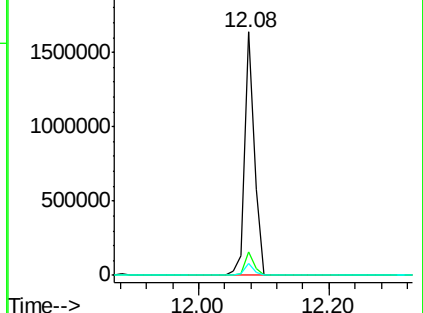
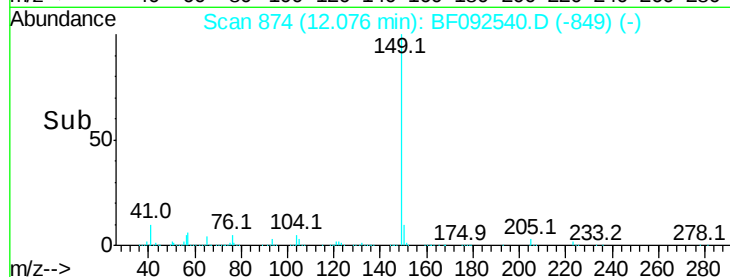
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 42.34 ng

RT: 12.73 min Scan# 931

Delta R.T. -0.01 min

Lab File: BF092540.D

Acq: 26 Jan 2017 22:20

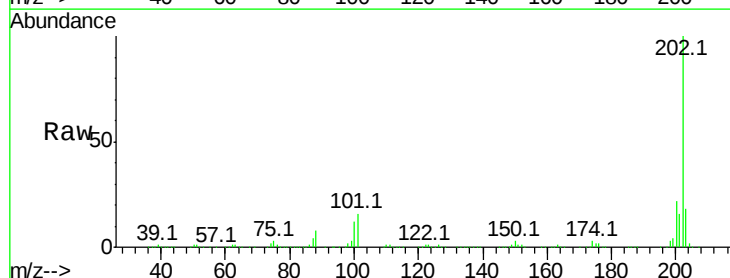
Tgt Ion:202 Resp: 1347681

Ion Ratio Lower Upper

202 100

101 16.3 0.0 34.6

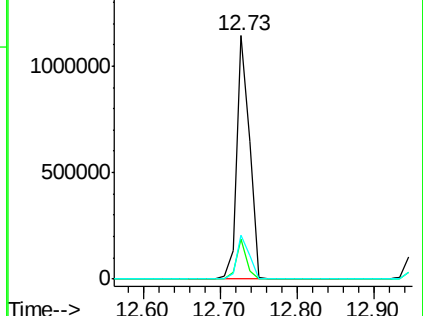
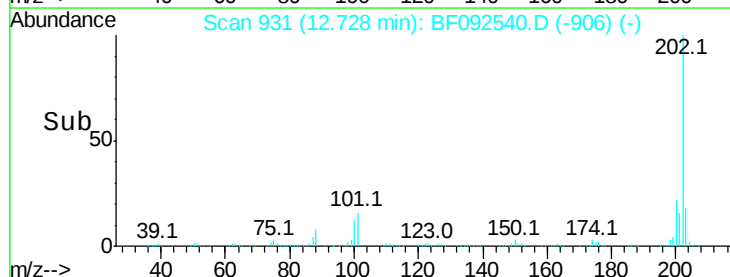
203 18.3 0.0 38.7

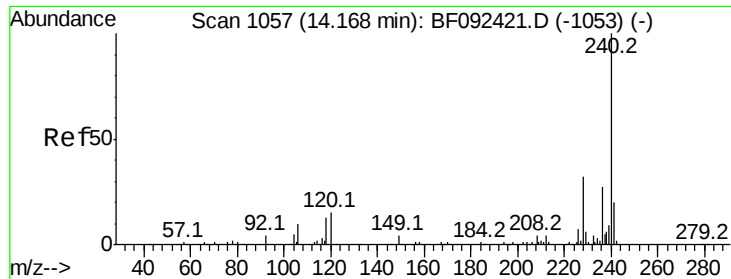


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.16 min Scan# 1056

Delta R.T. -0.01 min

Lab File: BF092540.D

Acq: 26 Jan 2017 22:20

Instrument :

BNA_F

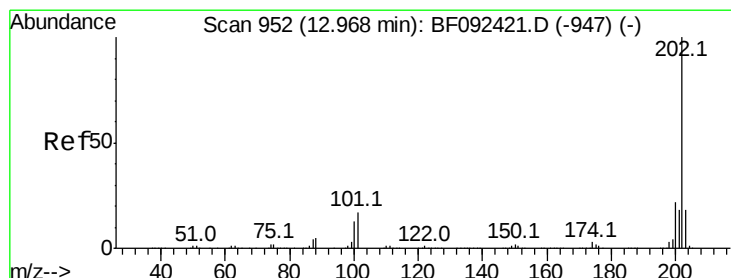
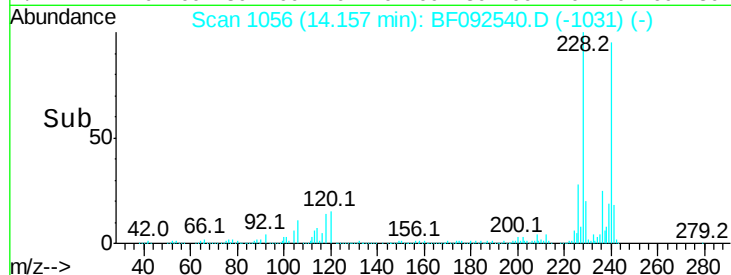
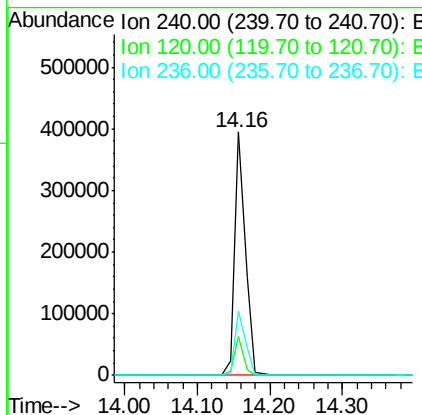
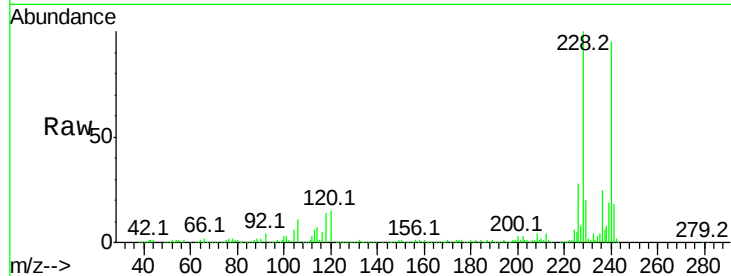
ClientSampleId :

CHA-WCS-012317-1(0-70)MSD

Tot Ion	Ratio	Lower	Upper
240	100		
120	16.0	12.9	19.3
236	26.6	20.9	31.3

Manual Integrations
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#77

Pyrene

Concen: 29.77 ng

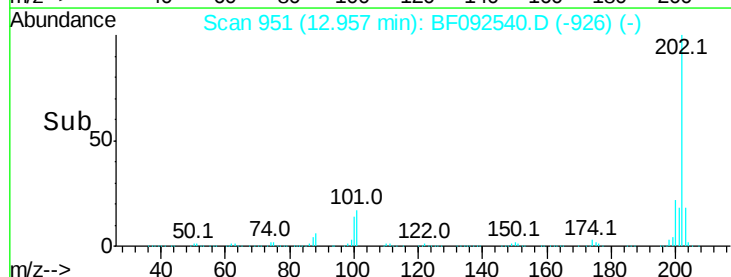
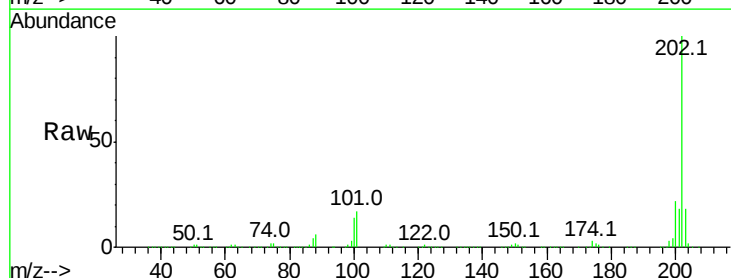
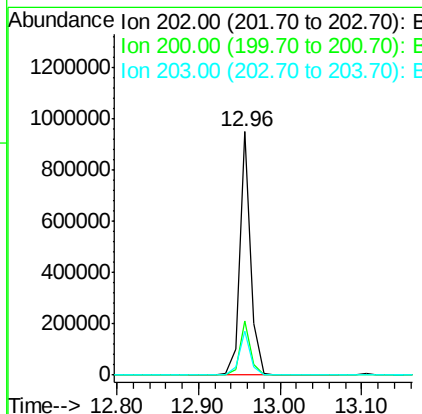
RT: 12.96 min Scan# 951

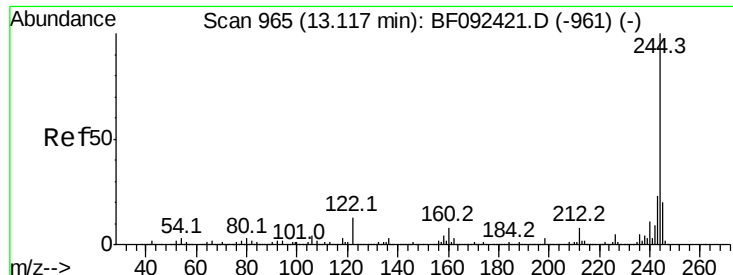
Delta R.T. -0.01 min

Lab File: BF092540.D

Acq: 26 Jan 2017 22:20

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.7	26.5
203	18.0	14.7	22.1





#78

Terphenyl-d14

Concen: 103.43 ng

RT: 13.11 min Scan# 964

Delta R.T. -0.01 min

Lab File: BF092540.D

Acq: 26 Jan 2017 22:20

Instrument :

BNA_F

ClientSampleId :

CHA-WCS-012317-1(0-70)MSD

Tot Ion:244 Resp: 1569450

Ion Ratio Lower Upper

244 100

212 8.1 6.2 9.2

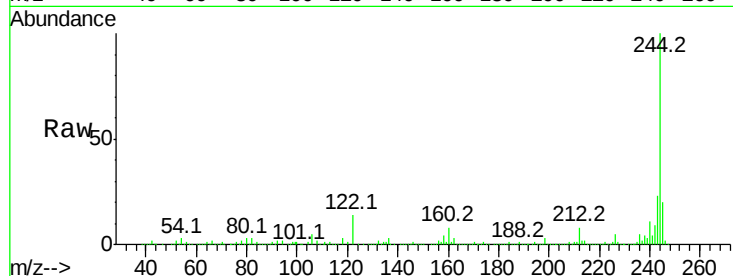
122 13.6 11.4 17.2

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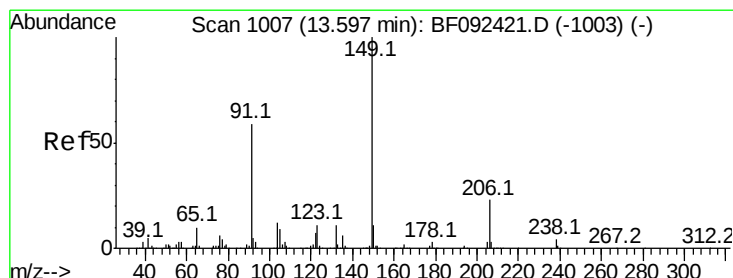
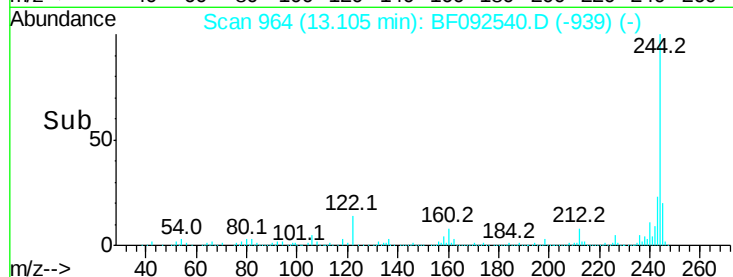
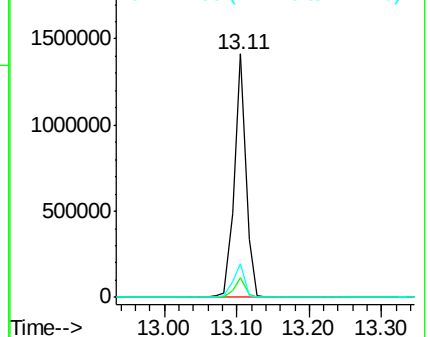
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 30.77 ng

RT: 13.57 min Scan# 1005

Delta R.T. -0.02 min

Lab File: BF092540.D

Acq: 26 Jan 2017 22:20

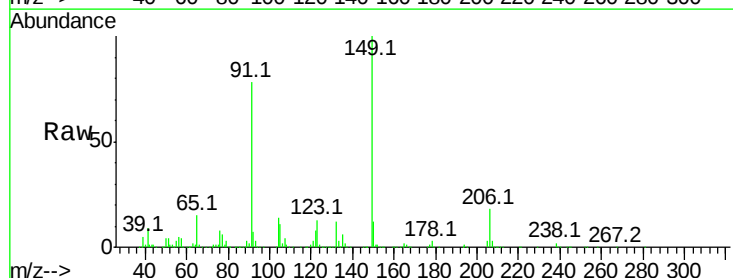
Tgt Ion:149 Resp: 365023

Ion Ratio Lower Upper

149 100

91 78.4 63.9 95.9

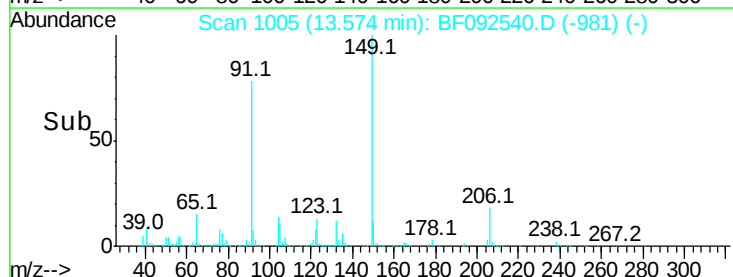
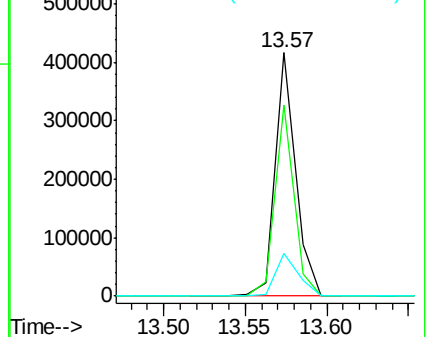
206 17.5 14.6 21.8

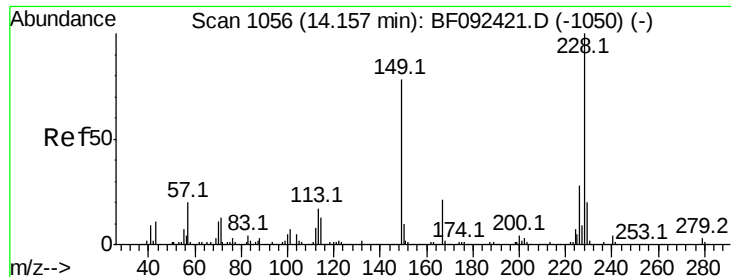


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 46.23 ng

RT: 14.15 min Scan# 1055

Delta R.T. -0.01 min

Lab File: BF092540.D

Acq: 26 Jan 2017 22:20

Instrument :

BNA_F

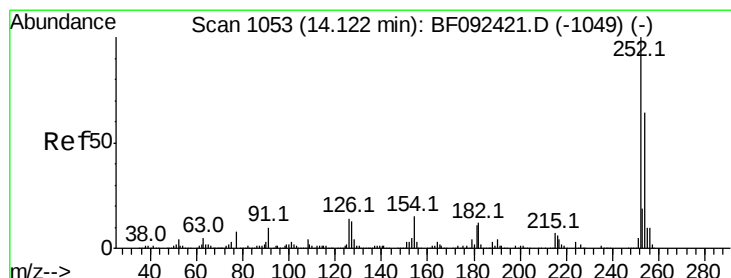
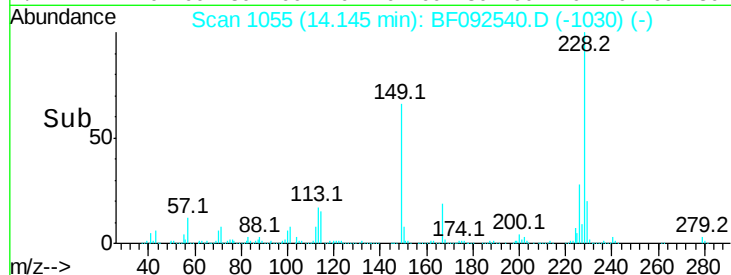
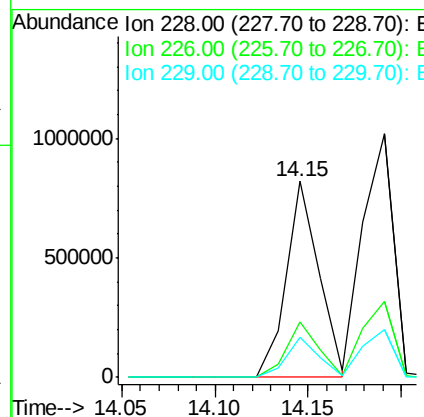
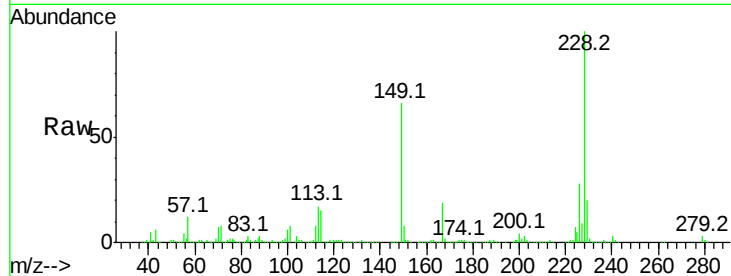
ClientSampleId :

CHA-WCS-012317-1(0-70)MSD

Tot Ion:	228	Resp:	1004028
Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.4	33.6
229	20.5	16.2	24.4

Manual Integrations
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#81

3,3'-Dichlorobenzidine

Concen: 0.16 ng

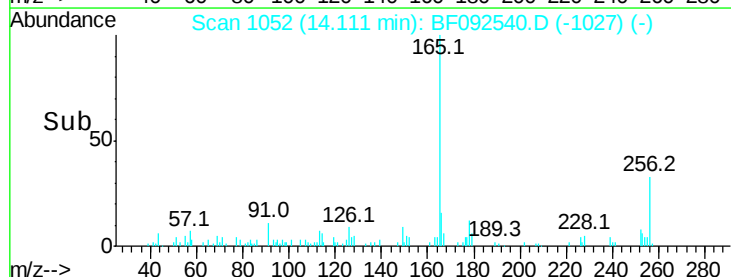
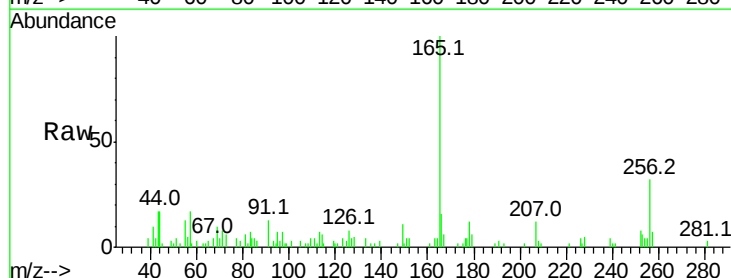
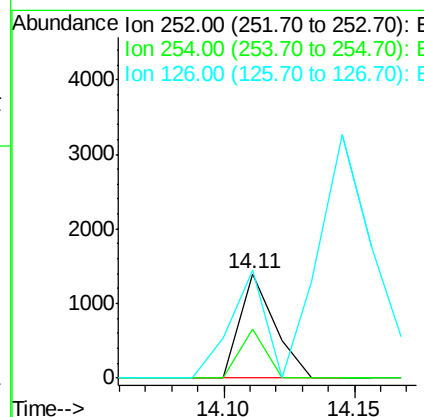
RT: 14.11 min Scan# 1052

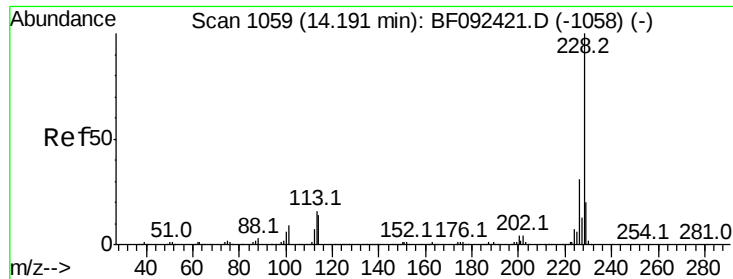
Delta R.T. -0.01 min

Lab File: BF092540.D

Acq: 26 Jan 2017 22:20

Tgt Ion:	252	Resp:	1302
Ion	Ratio	Lower	Upper
252	100		
254	47.4	52.3	78.5#
126	103.1	13.6	20.4#





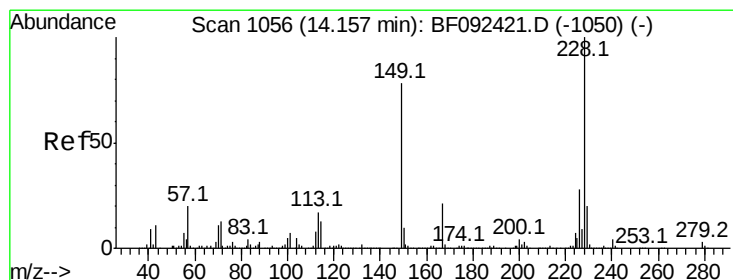
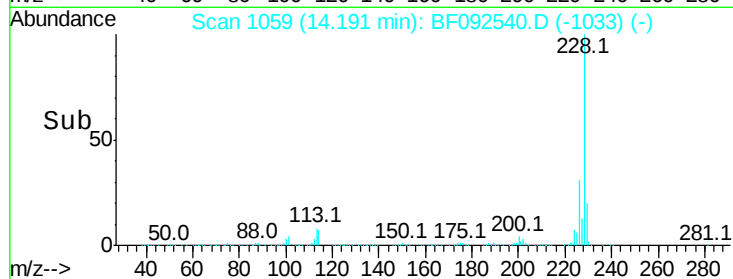
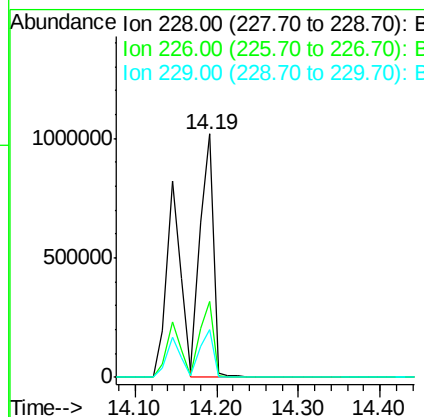
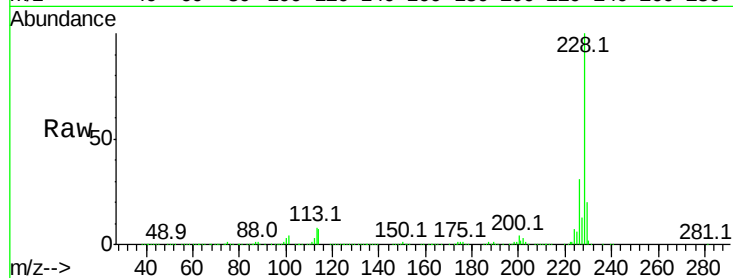
#82
Chrysene
Concen: 50.66 ng
RT: 14.19 min Scan# 1059
Delta R.T. 0.00 min
Lab File: BF092540.D
Acq: 26 Jan 2017 22:20

Instrument :
BNA_F
ClientSampleId :
CHA-WCS-012317-1(0-70)MSD

Tot Ion:228 Resp: 1174943
Ion Ratio Lower Upper
228 100
226 31.1 25.4 38.0
229 19.7 16.2 24.2

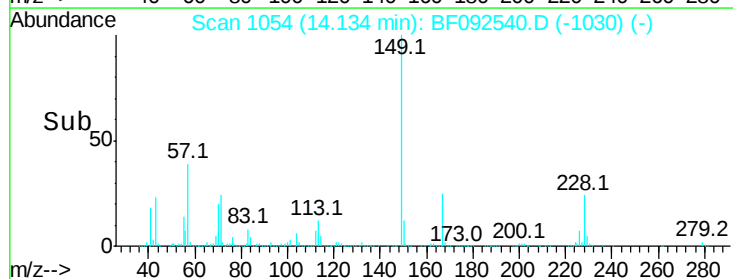
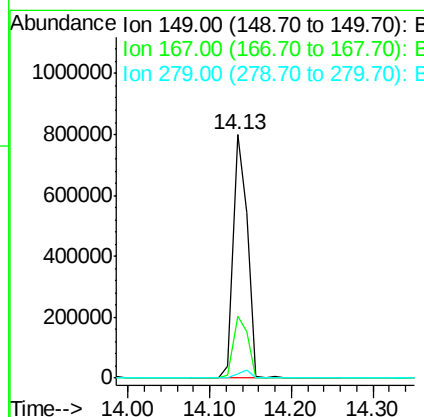
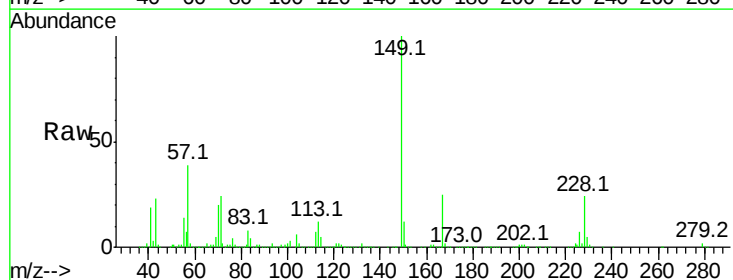
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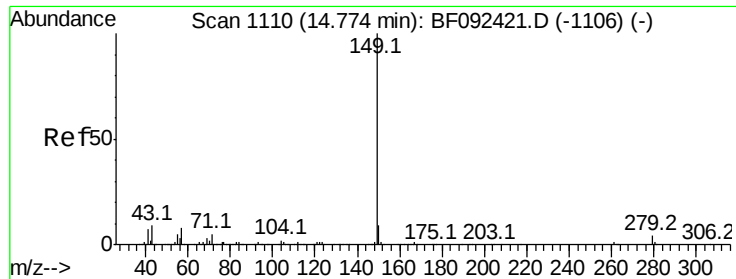
mohammad
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#83
Bis(2-ethylhexyl)phthalate
Concen: 64.09 ng
RT: 14.13 min Scan# 1054
Delta R.T. -0.02 min
Lab File: BF092540.D
Acq: 26 Jan 2017 22:20

Tgt Ion:149 Resp: 957378
Ion Ratio Lower Upper
149 100
167 25.3 20.2 30.4
279 2.0 1.8 2.8





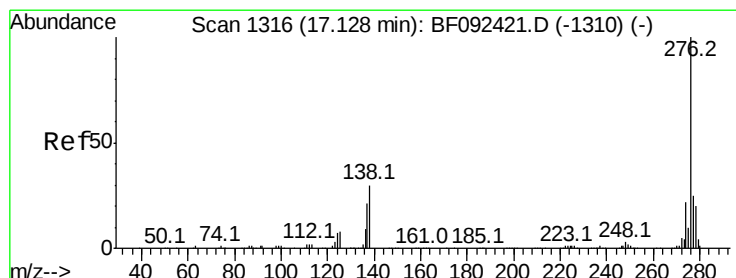
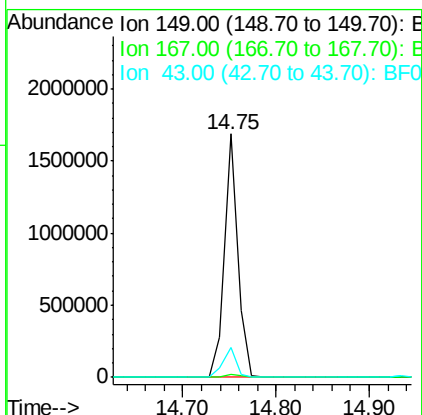
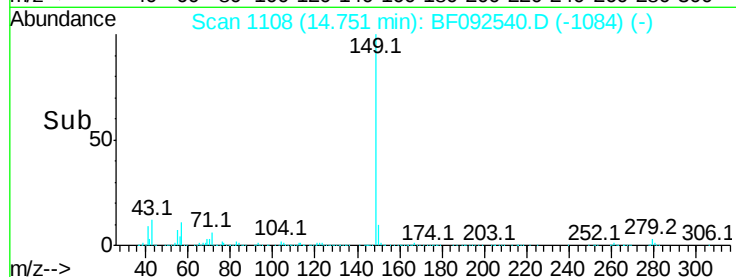
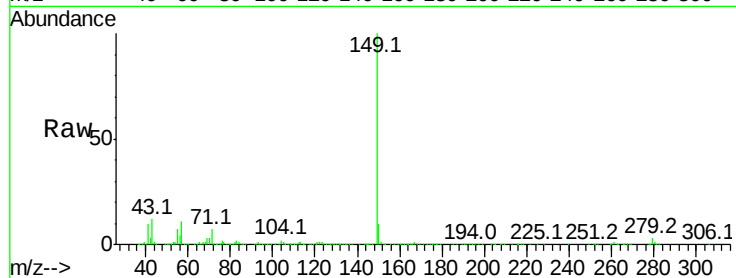
#84
Di-n-octyl phthalate
Concen: 61.87 ng
RT: 14.75 min Scan# 1108
Delta R.T. -0.02 min
Lab File: BF092540.D
Acq: 26 Jan 2017 22:20

Instrument :
BNA_F
ClientSampleId :
CHA-WCS-012317-1(0-70)MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	12.0	8.9	13.3

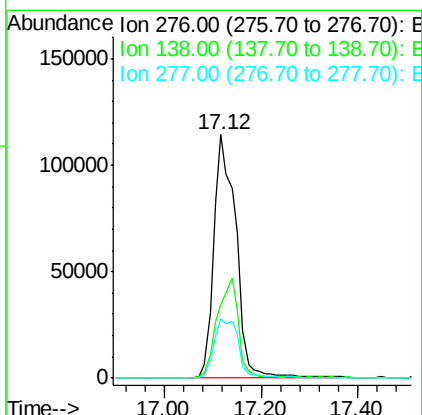
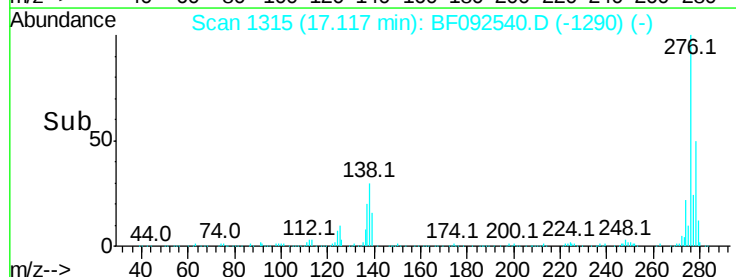
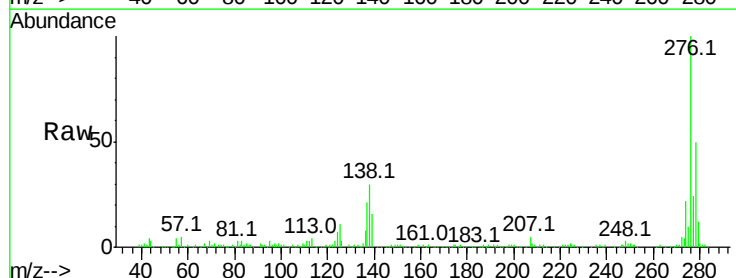
Manual Integrations
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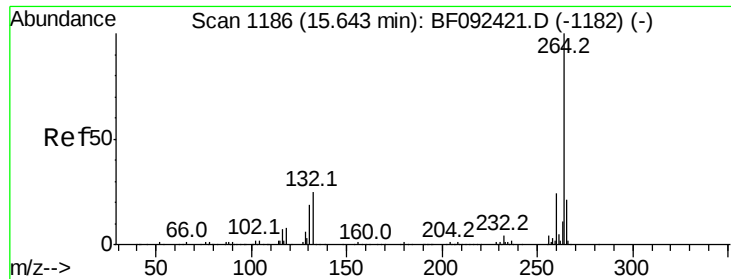
mohammad
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#85
Indeno(1,2,3-cd)pyrene
Concen: 21.51 ng
RT: 17.12 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BF092540.D
Acq: 26 Jan 2017 22:20

Tgt Ion	Ratio	Lower	Upper
276	100		
138	0.0	21.8	32.6#
277	26.7	20.2	30.4





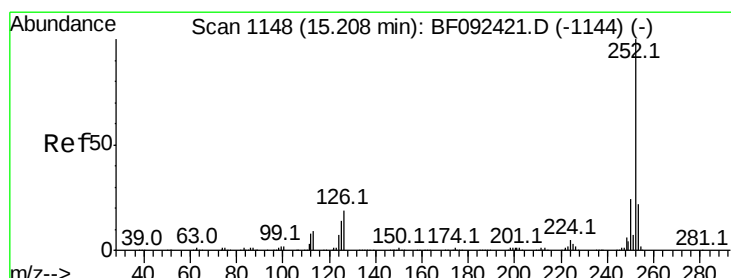
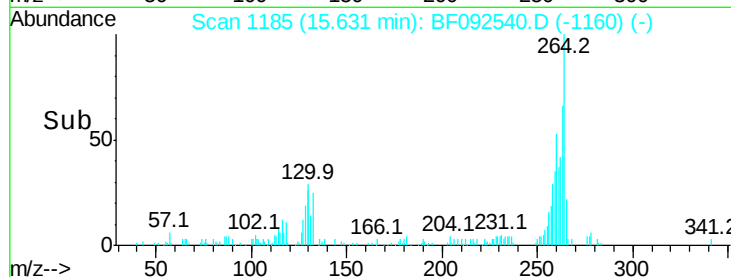
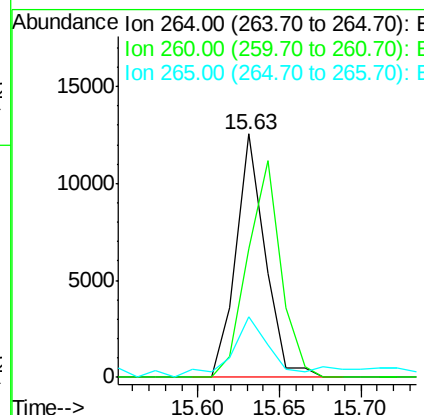
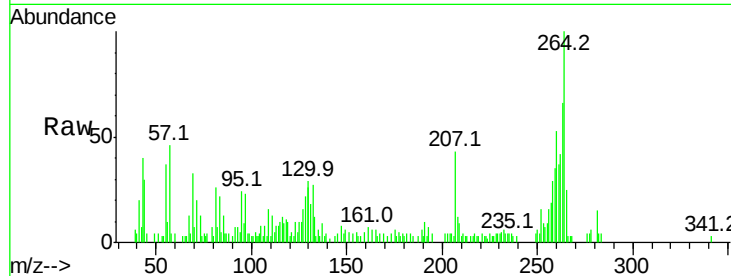
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.63 min Scan# 1185
Delta R.T. -0.01 min
Lab File: BF092540.D
Acq: 26 Jan 2017 22:20

Instrument :
BNA_F
ClientSampleId :
CHA-WCS-012317-1(0-70)MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	52.6	19.2	28.8#
265	24.7	17.4	26.0

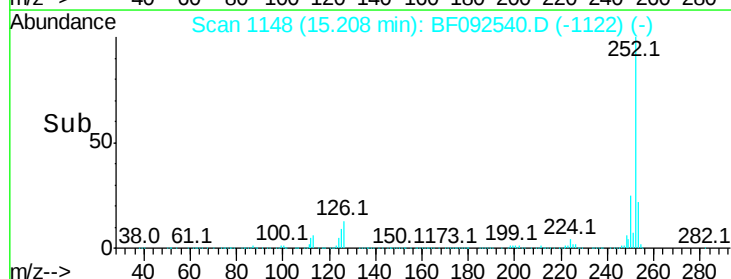
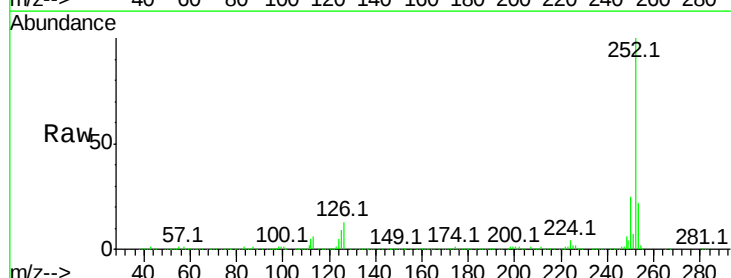
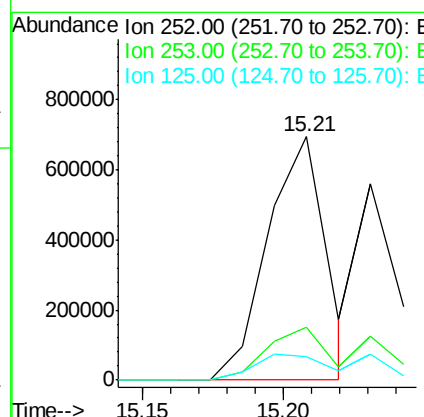
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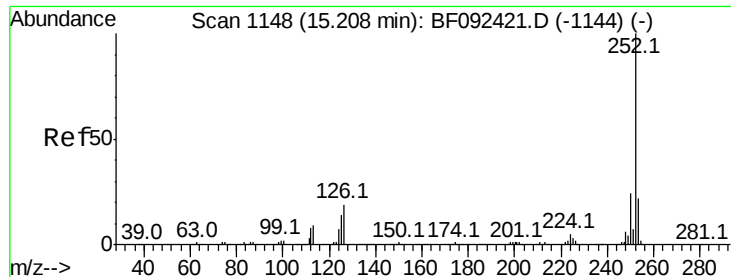
mohammad
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#87
Benzo(b)fluoranthene
Concen: 1016.77 ng m
RT: 15.21 min Scan# 1148
Delta R.T. 0.00 min
Lab File: BF092540.D
Acq: 26 Jan 2017 22:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.2	27.4
125	9.5	9.8	14.6#





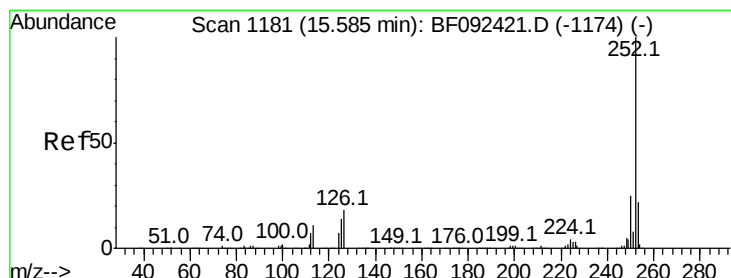
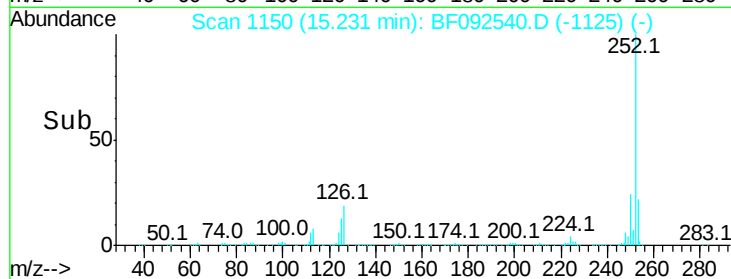
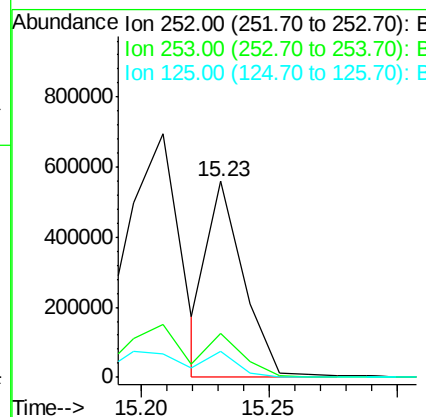
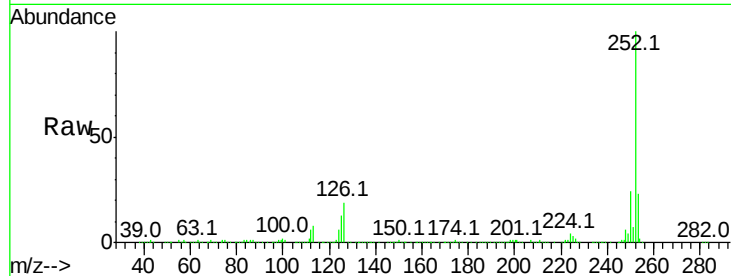
#88
Benzo(k)fluoranthene
Concen: 661.35 ng m
RT: 15.23 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF092540.D
Acq: 26 Jan 2017 22:20

Instrument :
BNA_F
ClientSampleId :
CHA-WCS-012317-1(0-70)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.5	27.7
125	13.0	8.9	13.3

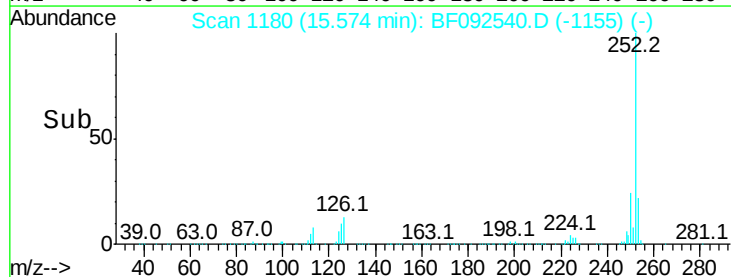
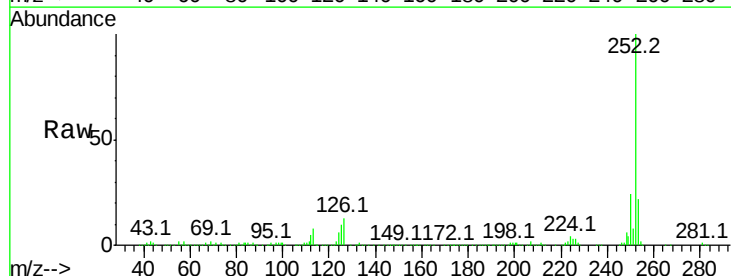
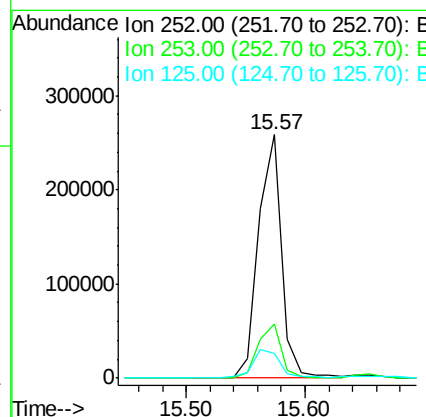
Manual Integrations
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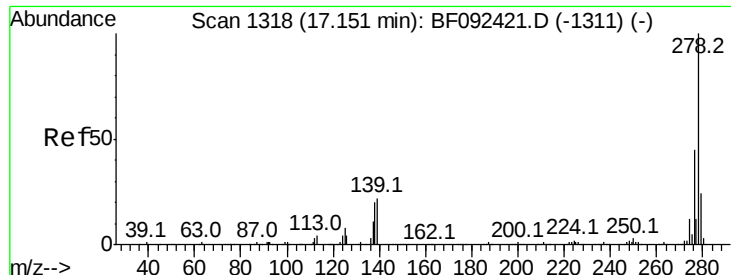
mohammad
1/27/2017 3:03:10 PM



#89
Benzo(a)pyrene
Concen: 419.53 ng
RT: 15.57 min Scan# 1180
Delta R.T. -0.01 min
Lab File: BF092540.D
Acq: 26 Jan 2017 22:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.2
125	10.4	10.0	15.0





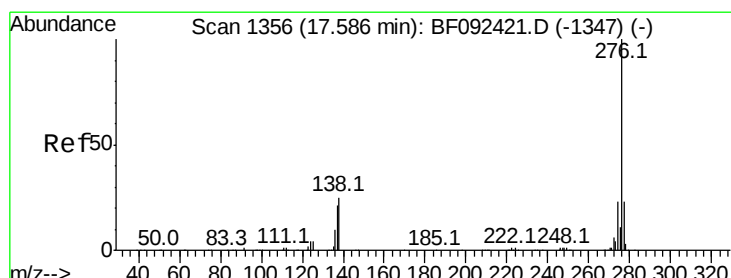
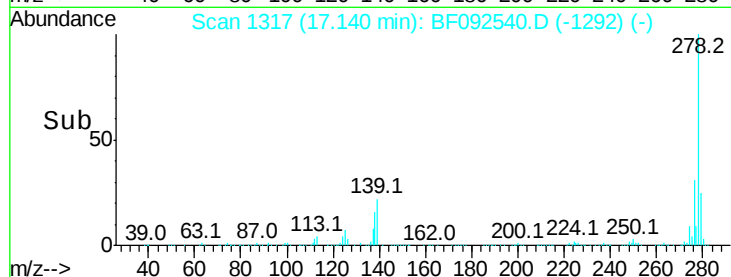
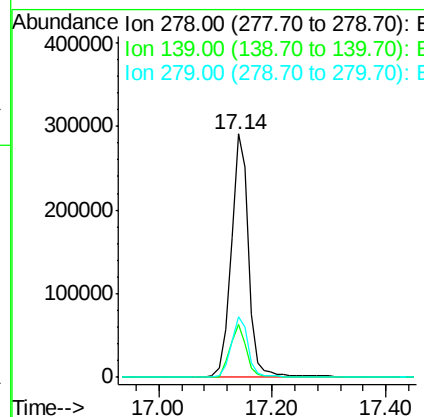
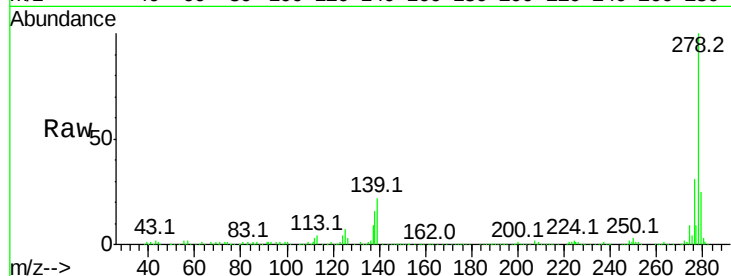
#90
Dibenzo(a,h)anthracene
Concen: 924.08 ng
RT: 17.14 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF092540.D
Acq: 26 Jan 2017 22:20

Instrument :
BNA_F
ClientSampleId :
CHA-WCS-012317-1(0-70)MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	21.7	14.8	22.2
279	24.7	19.8	29.6

Manual Integrations
APPROVED

mohammad
1/27/2017 3:03:10 PM



#91
Benzo(g,h,i)perylene
Concen: 433.97 ng
RT: 17.56 min Scan# 1354
Delta R.T. -0.02 min
Lab File: BF092540.D
Acq: 26 Jan 2017 22:20

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.2	28.8
138	28.3	16.0	24.0

