

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100516\
 Data File : BF090412.D
 Acq On : 6 Oct 2016 6:12
 Operator : UM/SJ
 Sample : H5085-05MSD
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHA-STA-1698-D(0-2)MSD

Manual Integrations
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 10/6/2016 5:26:42 PM

Quant Time: Oct 06 06:57:18 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF100516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 05 14:57:00 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	238764	20.00	ng	0.00
21) Naphthalene-d8	8.29	136	1046674	20.00	ng	0.00
38) Acenaphthene-d10	10.05	164	516046	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	836527	20.00	ng	0.00
75) Chrysene-d12	14.19	240	598522	20.00	ng	-0.01
86) Perylene-d12	15.70	264	221983	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.63	112	1992039	124.52	ng	0.02
7) Phenol-d6	6.63	99	2472570	118.01	ng	0.01
23) Nitrobenzene-d5	7.57	82	1901312	88.36	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	792214	188.80	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	3023833	97.63	ng	0.00
78) Terphenyl-d14	13.14	244	2943048	110.55	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.91	88	288419m	36.57	ng	
3) Pyridine	3.62	79	470025m	21.37	ng	
4) n-Nitrosodimethylamine	3.56	42	365997	40.34	ng	# 61
6) Aniline	6.67	93	222503	7.69	ng	95
8) 2-Chlorophenol	6.79	128	794482	45.13	ng	91
9) Benzaldehyde	6.55	77	296231	27.97	ng	95
10) Phenol	6.65	94	1102395	45.25	ng	91
11) bis(2-Chloroethyl)ether	6.74	93	789861	42.35	ng	92
12) 1,3-Dichlorobenzene	6.94	146	716692	40.84	ng	# 91
13) 1,4-Dichlorobenzene	7.02	146	800407	44.90	ng	97
14) 1,2-Dichlorobenzene	7.17	146	684380	39.85	ng	94
15) Benzyl Alcohol	7.14	79	551019	34.59	ng	95
16) 2,2'-oxybis(1-Chloropropan	7.29	45	1347700	42.60	ng	90
17) 2-Methylphenol	7.25	107	642338	44.36	ng	99
18) Hexachloroethane	7.53	117	300440	42.75	ng	# 88
19) n-Nitroso-di-n-propylamine	7.42	70	728395	47.41	ng	# 81
20) 3+4-Methylphenols	7.41	107	872460	46.55	ng	# 70
22) Acetophenone	7.41	105	1092240	44.06	ng	# 98
24) Nitrobenzene	7.58	77	872632	40.85	ng	97
25) Isophorone	7.82	82	1769415	44.98	ng	96
26) 2-Nitrophenol	7.90	139	403913	43.93	ng	# 80
27) 2,4-Dimethylphenol	7.94	122	739443	41.35	ng	95
28) bis(2-Chloroethoxy)methane	8.04	93	997365	42.87	ng	98
29) 2,4-Dichlorophenol	8.14	162	578634	42.56	ng	88
30) 1,2,4-Trichlorobenzene	8.23	180	654720	46.73	ng	98
31) Naphthalene	8.31	128	2282577	45.20	ng	99
32) Benzoic acid	8.05	122	526821	42.38	ng	93
34) Hexachlorobutadiene	8.43	225	332141	42.43	ng	99
35) Caprolactam	8.73	113	187800m	41.09	ng	
36) 4-Chloro-3-methylphenol	8.84	107	718384	42.20	ng	97
37) 2-Methylnaphthalene	9.01	142	1549459	50.69	ng	97
39) 1,2,4,5-Tetrachlorobenzene	9.17	216	600540	44.14	ng	# 98
40) Hexachlorocyclopentadiene	9.16	237	757394	101.56	ng	99
42) 2,4,6-Trichlorophenol	9.29	196	458937m	48.88	ng	

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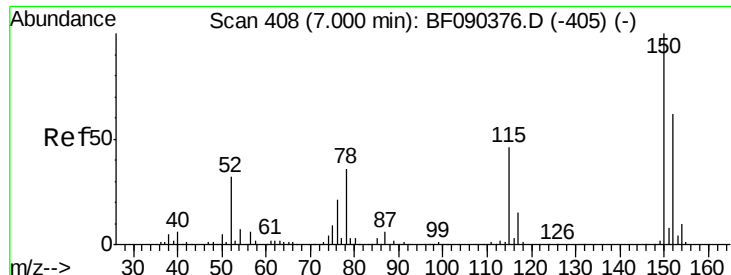
Manual Integrations
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 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF100516.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,5-Trichlorophenol	9.33	196	472168m	53.19	nq	
45) 1,1'-Biphenyl	9.47	154	1674813	43.80	nq	93
46) 2-Chloronaphthalene	9.50	162	1445150	51.15	nq	94
47) 2-Nitroaniline	9.59	65	528635	47.42	nq	# 81
48) Acenaphthylene	9.91	152	1973308	42.33	nq	99
49) Dimethylphthalate	9.78	163	1734271	52.48	nq	99
50) 2,6-Dinitrotoluene	9.83	165	396149	53.99	nq	# 86
51) Acenaphthene	10.09	154	1507341	51.86	nq	98
52) 3-Nitroaniline	9.99	138	77749	9.07	nq	89
53) 2,4-Dinitrophenol	10.11	184	463068	141.55	nq	# 88
54) Dibenzofuran	10.26	168	1932547	51.37	nq	92
55) 4-Nitrophenol	10.17	139	721331	96.18	nq	# 72
56) 2,4-Dinitrotoluene	10.23	165	470722	48.20	nq	# 25
57) Fluorene	10.60	166	1597306	50.52	nq	100
58) 2,3,4,6-Tetrachlorophenol	10.38	232	364200m	54.93	nq	
59) Diethylphthalate	10.47	149	1627130	47.58	nq	# 92
60) 4-Chlorophenyl-phenylether	10.60	204	801280	55.74	nq	# 87
61) 4-Nitroaniline	10.61	138	199759	23.13	nq	93
62) Azobenzene	10.76	77	2010960	50.92	nq	86
64) 4,6-Dinitro-2-methylphenol	10.65	198	276098	48.79	nq	# 66
65) n-Nitrosodiphenylamine	10.71	169	644093	22.98	nq	99
66) 4-Bromophenyl-phenylether	11.09	248	464929	56.70	nq	# 86
67) Hexachlorobenzene	11.16	284	491825	53.86	nq	# 87
68) Atrazine	11.23	200	14844	2.15	nq	92
69) Pentachlorophenol	11.34	266	593000	109.09	nq	99
70) Phenanthrene	11.57	178	2277925	53.18	nq	99
71) Anthracene	11.62	178	2199267	50.28	nq	99
72) Carbazole	11.77	167	705682	17.36	nq	97
73) Di-n-butylphthalate	12.11	149	2765219	55.91	nq	98
74) Fluoranthene	12.76	202	2039003	48.53	nq	99
77) Pyrene	12.99	202	1908590	47.82	nq	99
79) Butylbenzylphthalate	13.61	149	1024564	50.03	nq	# 72
80) Benzo(a)anthracene	14.18	228	1862304	55.46	nq	99
82) Chrysene	14.22	228	1783840	57.72	nq	100
83) Bis(2-ethylhexyl)phthalate	14.18	149	1587561	54.54	nq	# 96
84) Di-n-octyl phthalate	14.80	149	2441091	56.57	nq	# 92
85) Indeno(1,2,3-cd)pyrene	17.22	276	1136012	51.55	nq	# 93
87) Benzo(b)fluoranthene	15.25	252	1600904	113.22	nq	# 95
88) Benzo(k)fluoranthene	15.29	252	1071041m	80.64	nq	
89) Benzo(a)pyrene	15.63	252	1102213	90.44	nq	# 94
90) Dibenzo(a,h)anthracene	17.24	278	1063457	102.56	nq	# 95
91) Benzo(g,h,i)perylene	17.68	276	889649	89.41	nq	95

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.00 min Scan# 408

Delta R.T. -0.00 min

Lab File: BF090412.D

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Instrument :

BNA_F

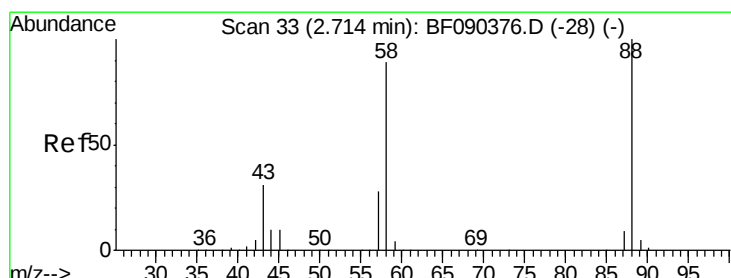
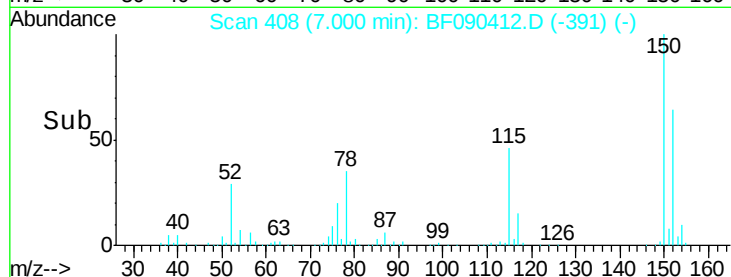
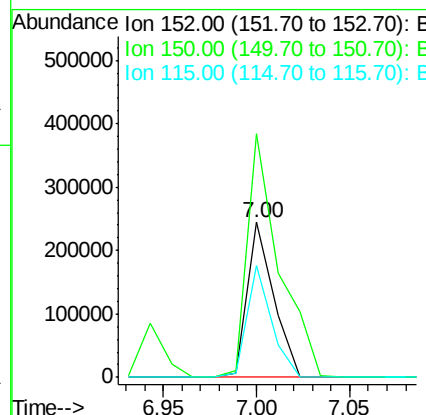
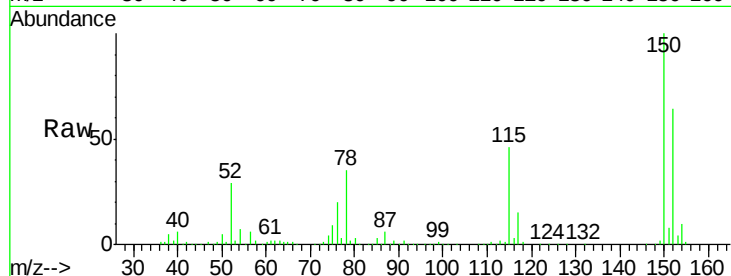
ClientSampleID :

CHA-STA-1698-D(0-2)MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	124.6	186.8
115	72.0	46.2	69.4

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#2

1,4-Dioxane

Concen: 36.57 ng m

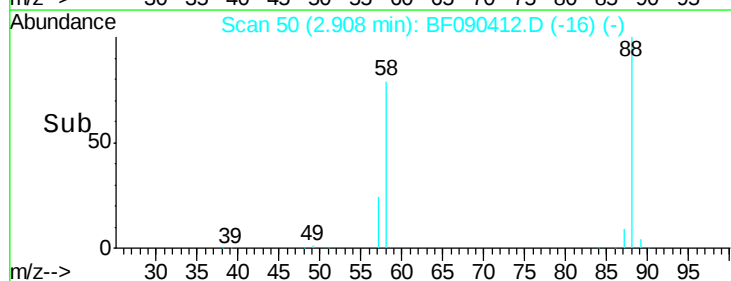
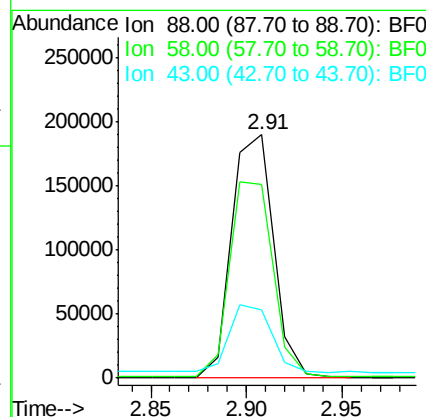
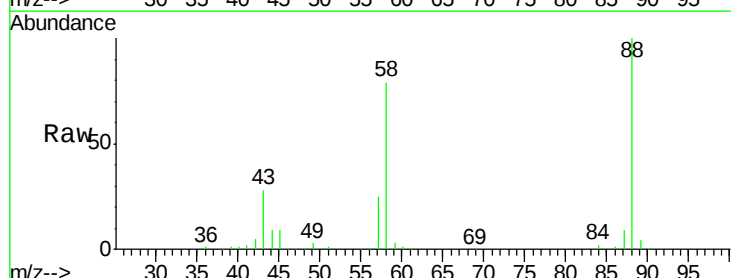
RT: 2.91 min Scan# 50

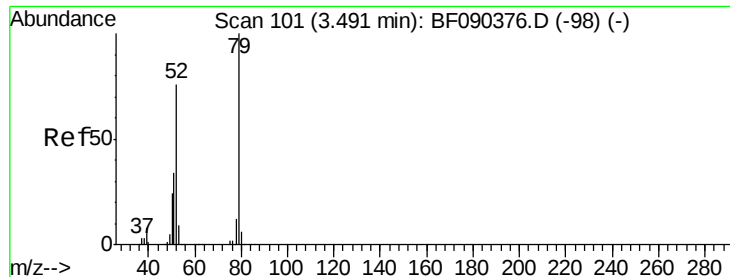
Delta R.T. 0.19 min

Lab File: BF090412.D

Acq: 6 Oct 2016 6:12

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	71.2	106.8
43	0.0	29.8	44.6





#3

Pvridine

Concen: 21.37 ng/ml

RT: 3.62 min Scan# 112

Delta R.T. 0.13 min

Lab File: BF090412.D

Acq: 6 Oct 2016 6:12

Instrument :

BNA_F

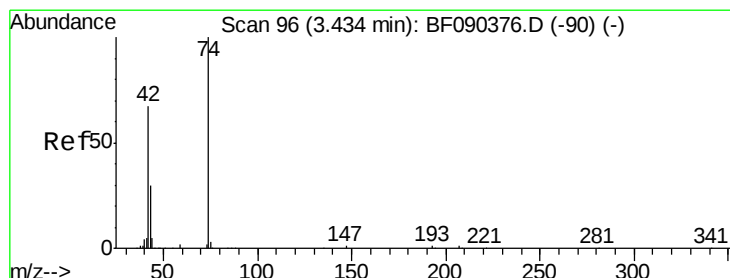
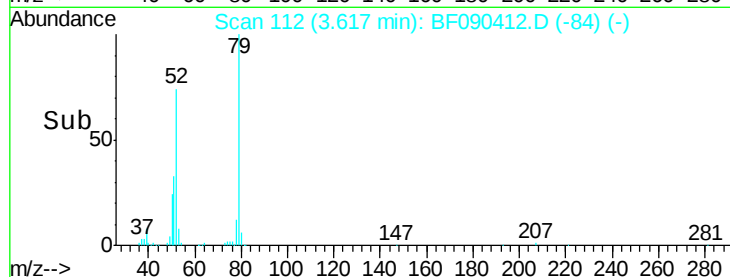
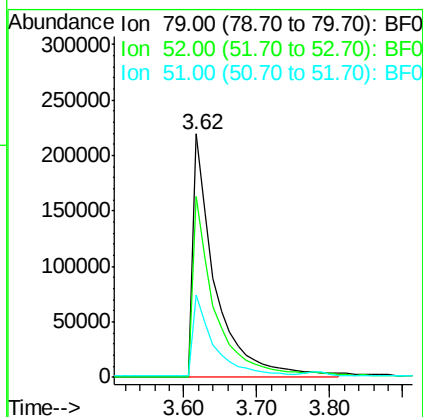
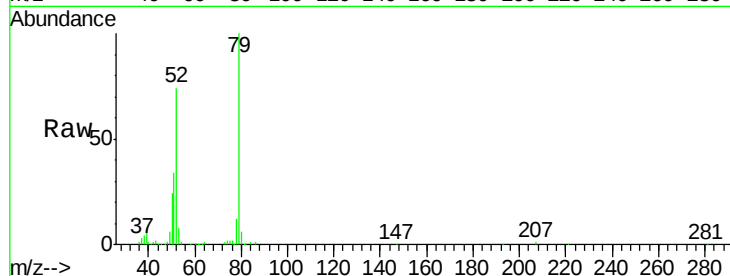
ClientSampleId :

CHA-STA-1698-D(0-2)MSD

Tot Ion:	79	Resp:	470025
Ion Ratio	Lower	Upper	
79	100		
52	74.5	71.3	106.9
51	33.8	34.5	51.7#

Manual Integrations
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#4

n-Nitrosodimethylamine

Concen: 40.34 ng/ml

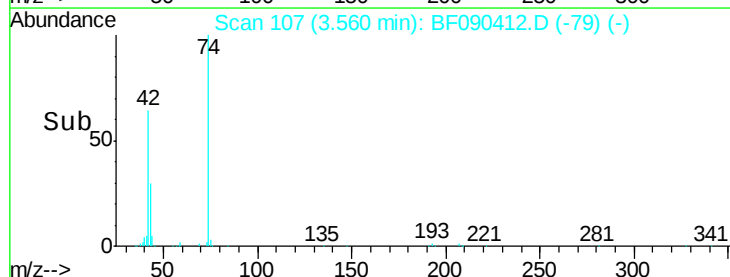
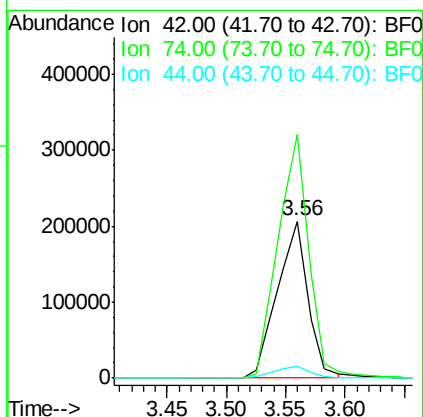
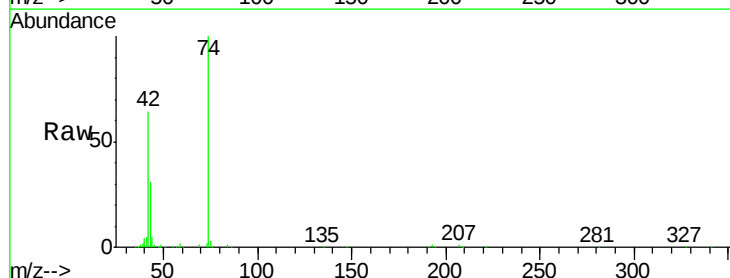
RT: 3.56 min Scan# 107

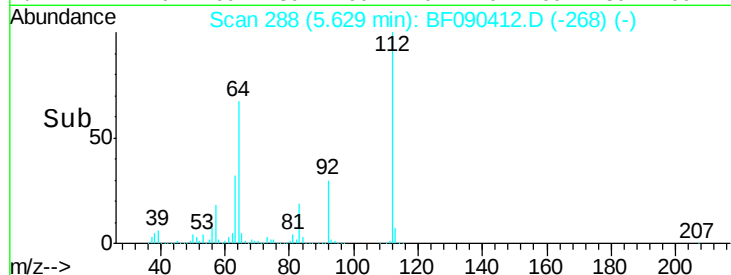
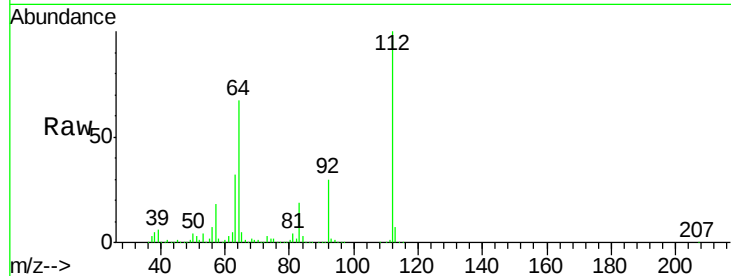
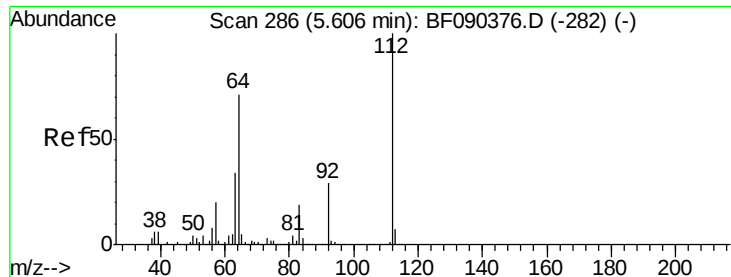
Delta R.T. 0.13 min

Lab File: BF090412.D

Acq: 6 Oct 2016 6:12

Tgt Ion:	42	Resp:	365997
Ion Ratio	Lower	Upper	
42	100		
74	155.3	88.9	133.3#
44	7.9	6.5	9.7





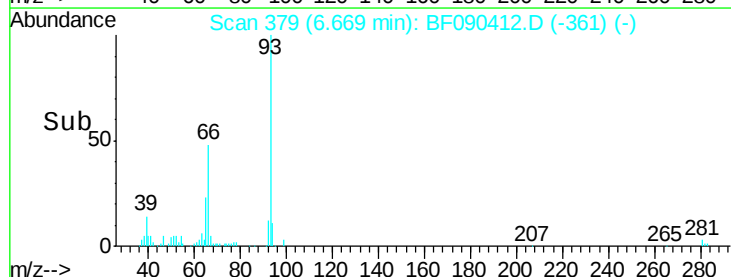
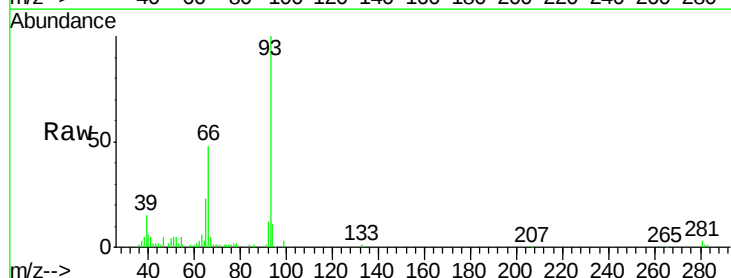
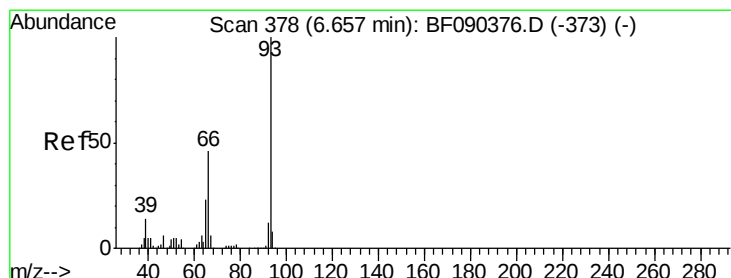
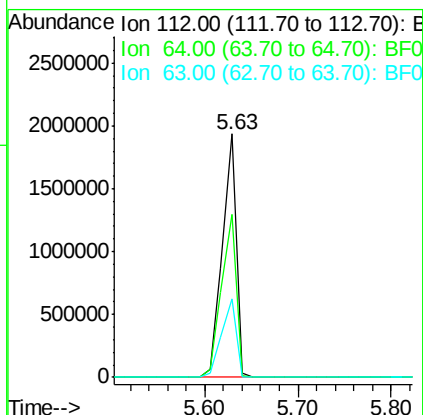
#5
2-Fluorophenol
Concen: 124.52 ng
RT: 5.63 min Scan# 288
Delta R.T. 0.02 min
Lab File: BF090412.D
Acq: 6 Oct 2016 6:12

Tot Ion: 112 Resp: 1992039
Ion Ratio Lower Upper
112 100
64 66.9 57.9 86.9
63 32.5 29.6 44.4

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CHA-STA-1698-D(0-2)MSD

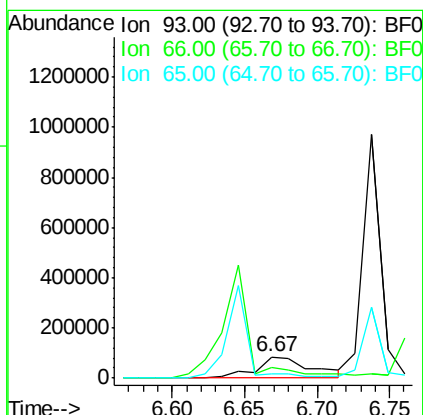
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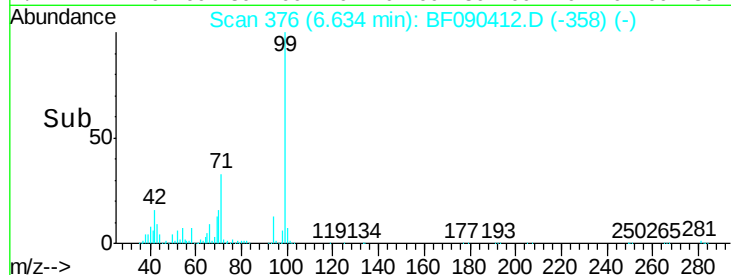
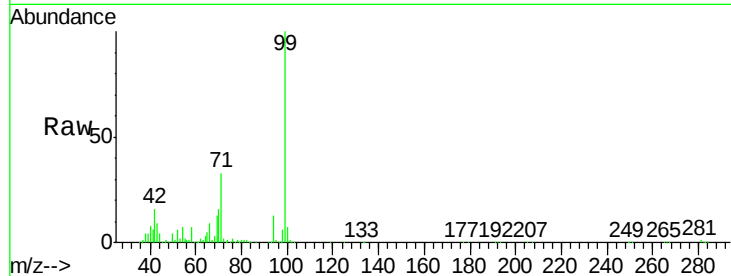
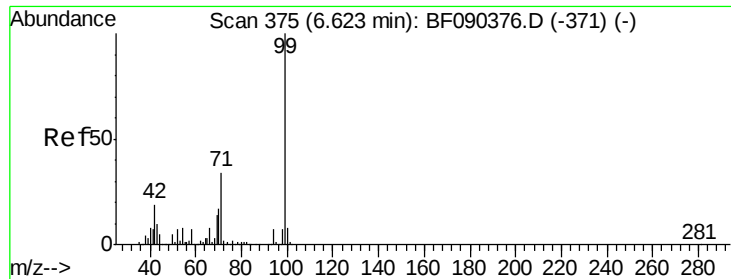
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#6
Aniline
Concen: 7.69 ng
RT: 6.67 min Scan# 379
Delta R.T. 0.01 min
Lab File: BF090412.D
Acq: 6 Oct 2016 6:12

Tgt Ion: 93 Resp: 222503
Ion Ratio Lower Upper
93 100
66 47.6 34.5 51.7
65 23.2 18.2 27.2





#7

Phenol-d6

Concen: 118.01 ng

RT: 6.63 min Scan# 376

Delta R.T. 0.01 min

Lab File: BF090412.D

Acq: 6 Oct 2016 6:12

Tot Ion:	99	Resp:	2472570
Ion	Ratio	Lower	Upper
99	100		
42	16.5	20.0	30.0#
71	33.1	27.9	41.9

Instrument :

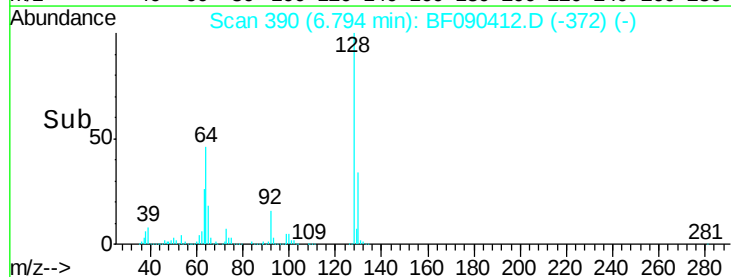
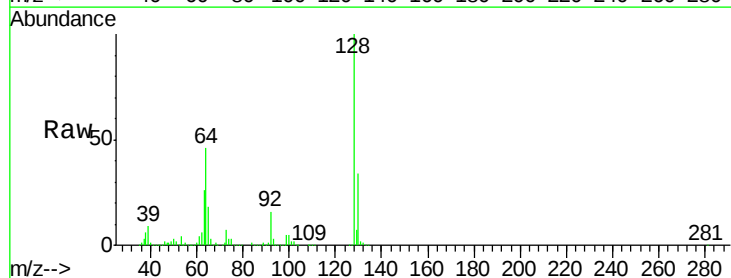
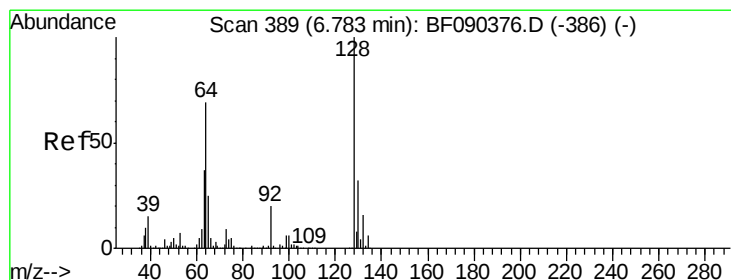
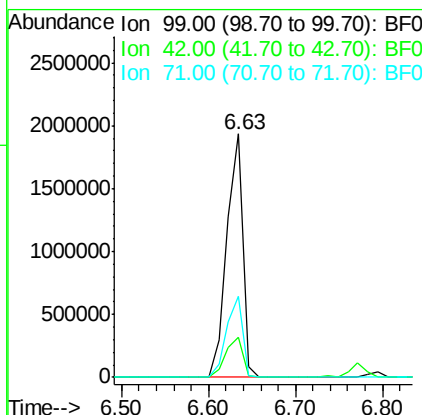
BNA_F

ClientSampleId :

CHA-STA-1698-D(0-2)MSD

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#8

2-Chlorophenol

Concen: 45.13 ng

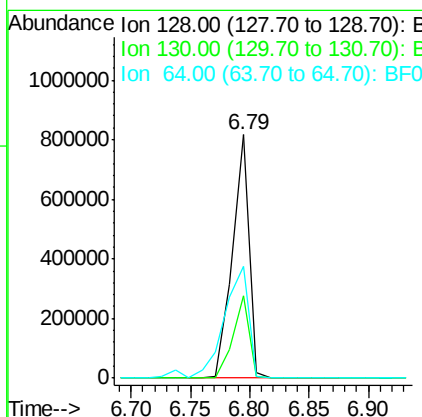
RT: 6.79 min Scan# 390

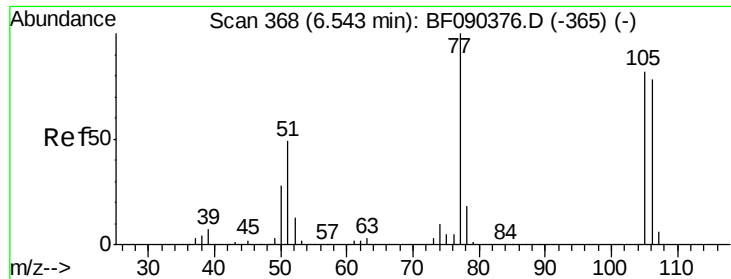
Delta R.T. 0.01 min

Lab File: BF090412.D

Acq: 6 Oct 2016 6:12

Tgt Ion:	128	Resp:	794482
Ion	Ratio	Lower	Upper
128	100		
130	33.7	13.3	53.3
64	45.8	36.0	76.0





#9

Benzaldehyde

Concen: 27.97 ng

RT: 6.55 min Scan# 369

Delta R.T. 0.01 min

Lab File: BF090412.D

Acq: 6 Oct 2016 6:12

Instrument :

BNA_F

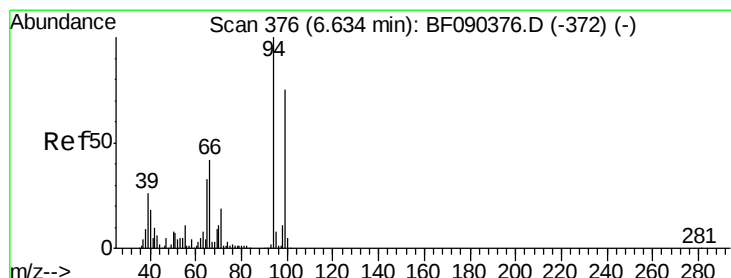
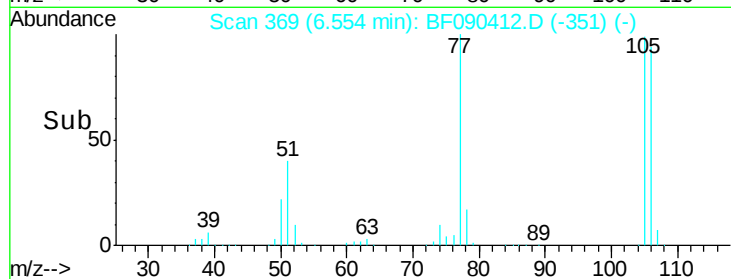
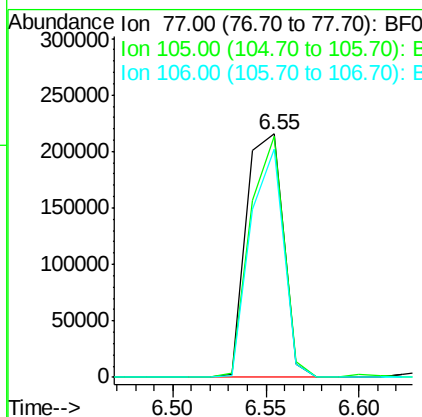
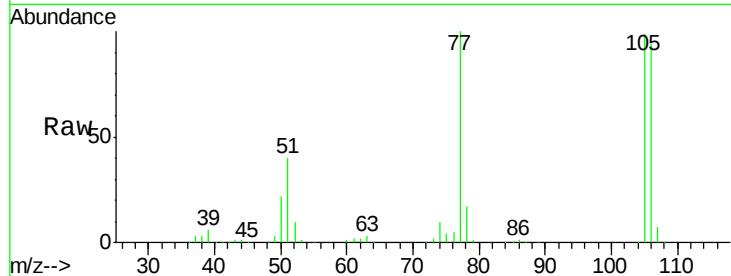
ClientSampleId :

CHA-STA-1698-D(0-2)MSD

Tot Ion:	77	Resp:	296231
Ion Ratio	Lower	Upper	
77	100		
105	99.0	73.1	113.1
106	93.6	70.2	110.2

Manual Integrations
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#10

Phenol

Concen: 45.25 ng

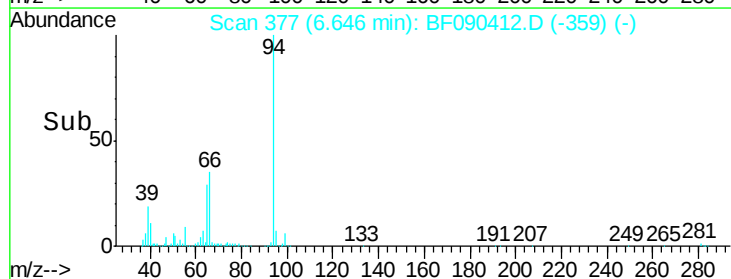
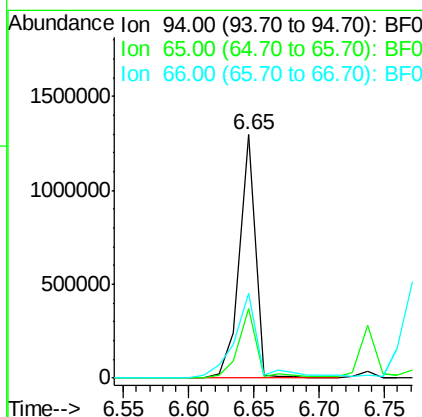
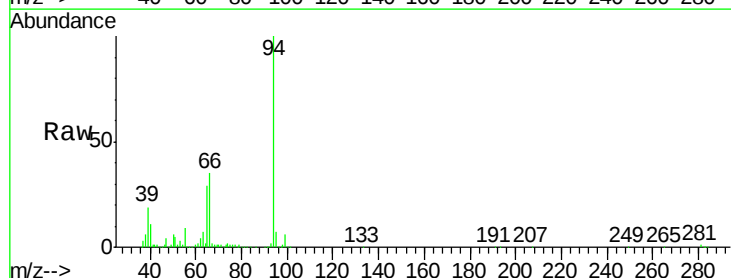
RT: 6.65 min Scan# 377

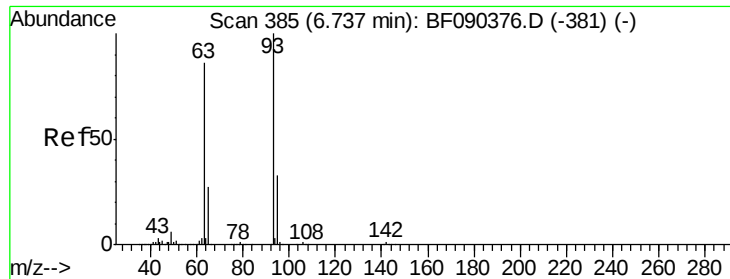
Delta R.T. 0.01 min

Lab File: BF090412.D

Acq: 6 Oct 2016 6:12

Tgt Ion:	94	Resp:	1102395
Ion Ratio	Lower	Upper	
94	100		
65	28.6	13.3	53.3
66	34.8	20.4	60.4





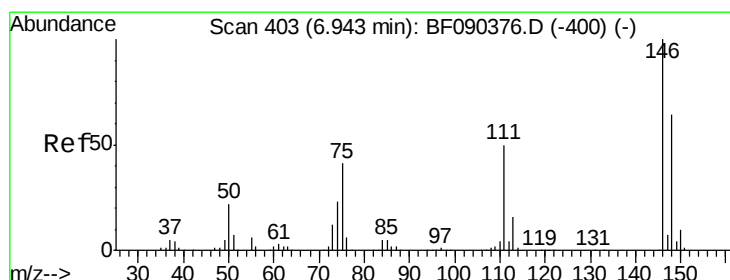
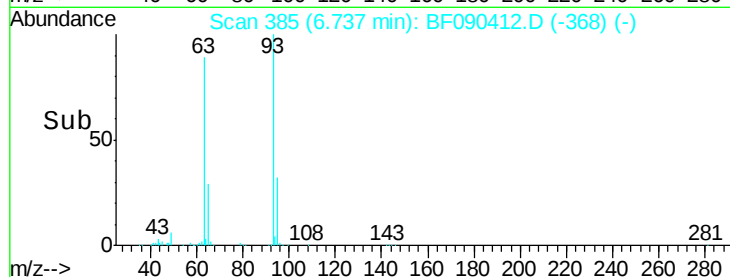
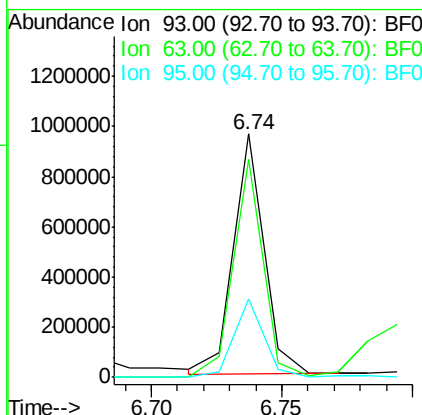
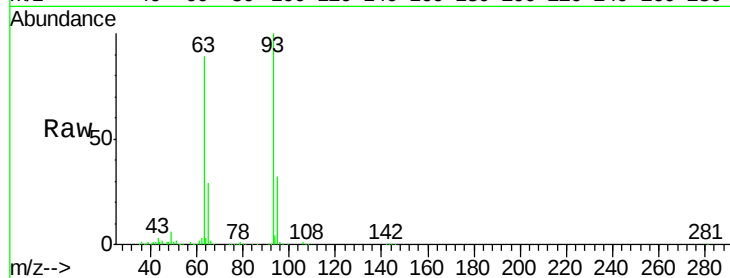
#11
bis(2-Chloroethyl)ether
Concen: 42.35 ng
RT: 6.74 min Scan# 385
Delta R.T. -0.00 min
Lab File: BF090412.D
Acq: 6 Oct 2016 6:12

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	89.3	59.7	99.7
95	32.4	14.0	54.0

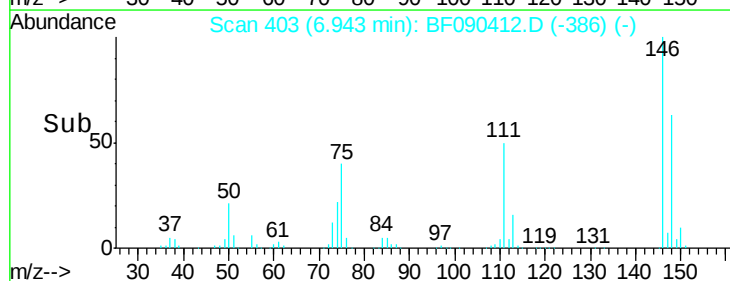
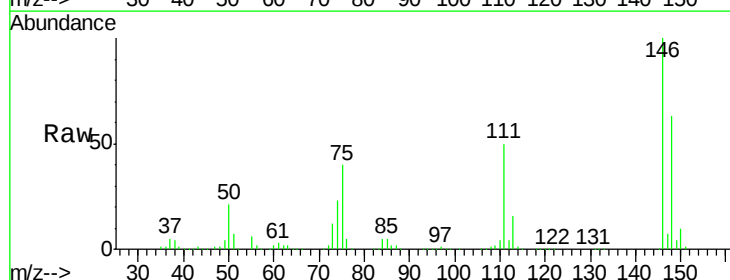
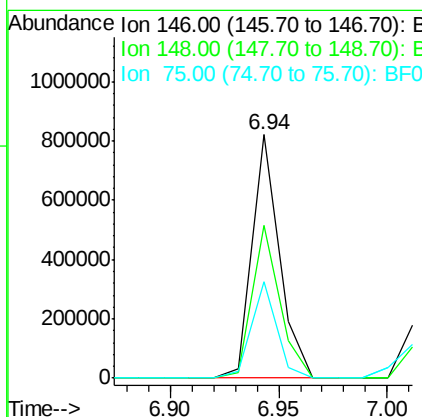
Manual Integrations
APPROVED

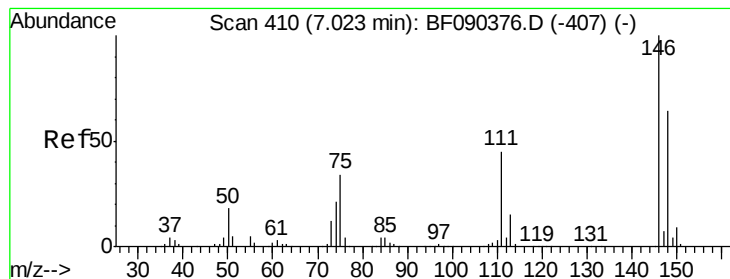
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#12
1,3-Dichlorobenzene
Concen: 40.84 ng
RT: 6.94 min Scan# 403
Delta R.T. -0.00 min
Lab File: BF090412.D
Acq: 6 Oct 2016 6:12

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.9	52.2	78.4
75	39.8	21.4	32.2





#13

1,4-Dichlorobenzene

Concen: 44.90 ng

RT: 7.02 min Scan# 410

Delta R.T. -0.00 min

Lab File: BF090412.D

Acq: 6 Oct 2016 6:12

Instrument :

BNA_F

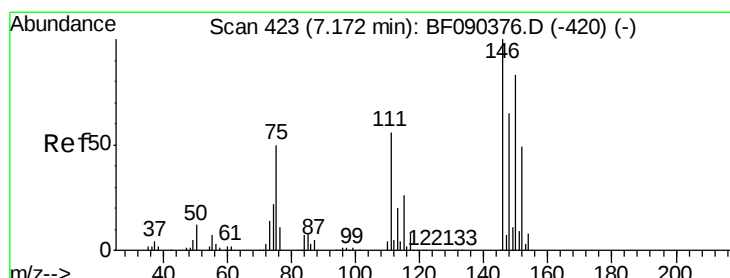
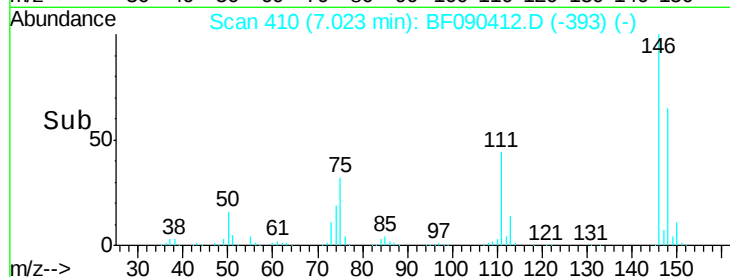
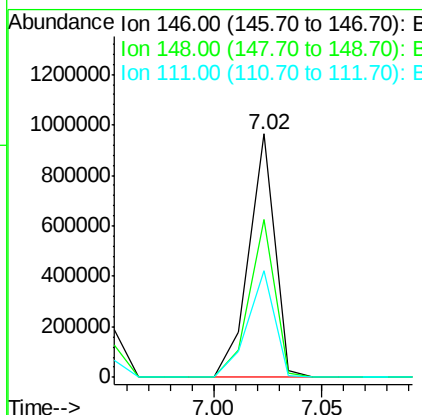
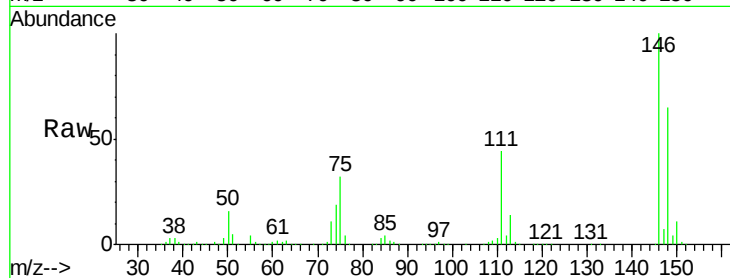
ClientSampleId :

CHA-STA-1698-D(0-2)MSD

Tot Ion:	146	Resp:	800407
Ion Ratio	Lower	Upper	
146	100		
148	64.8	51.1	76.7
111	43.8	37.8	56.6

Manual Integrations
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#14

1,2-Dichlorobenzene

Concen: 39.85 ng

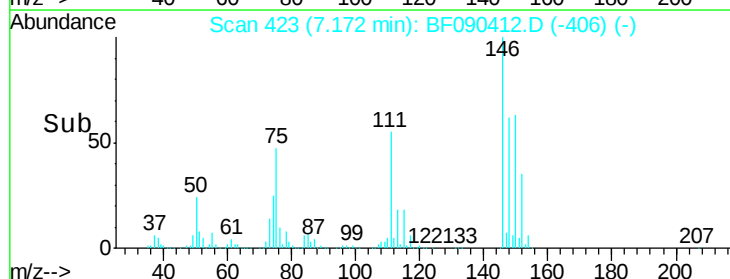
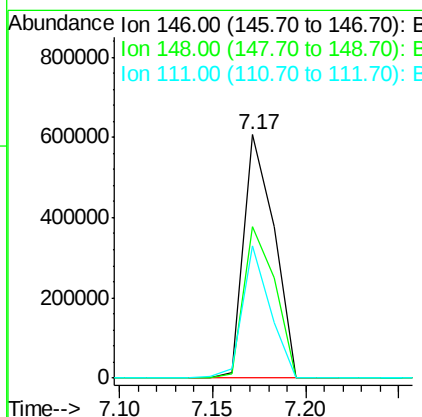
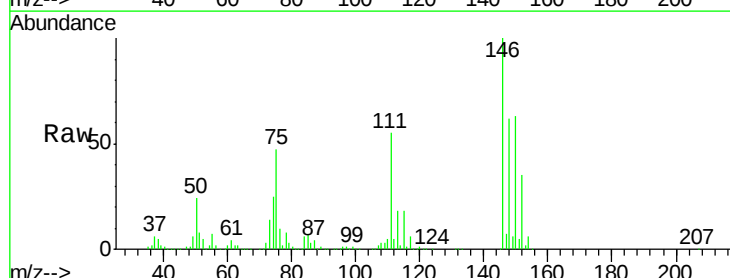
RT: 7.17 min Scan# 423

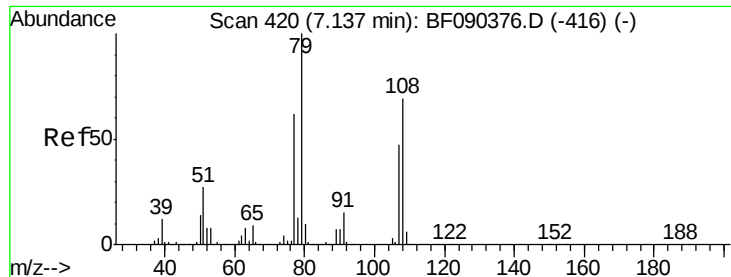
Delta R.T. -0.00 min

Lab File: BF090412.D

Acq: 6 Oct 2016 6:12

Tgt Ion:	146	Resp:	684380
Ion Ratio	Lower	Upper	
146	100		
148	62.4	52.3	78.5
111	54.6	38.2	57.4





#15

Benzyl Alcohol

Concen: 34.59 ng

RT: 7.14 min Scan# 420

Delta R.T. -0.00 min

Lab File: BF090412.D

Acq: 6 Oct 2016 6:12

Instrument :

BNA_F

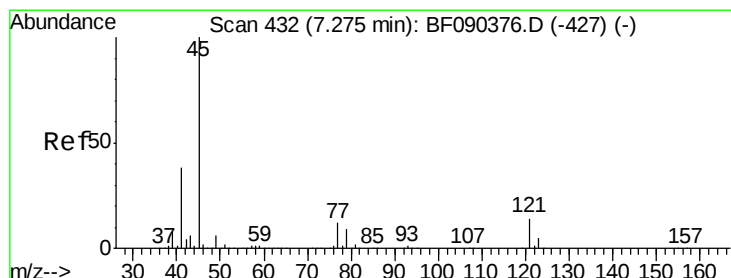
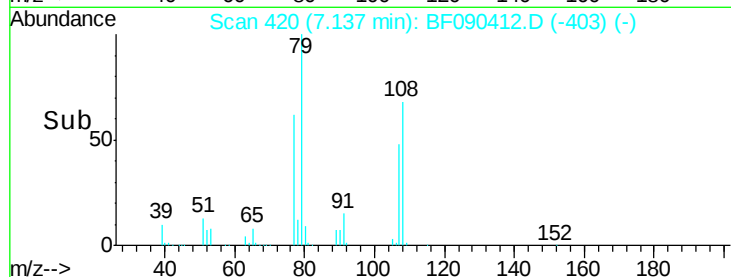
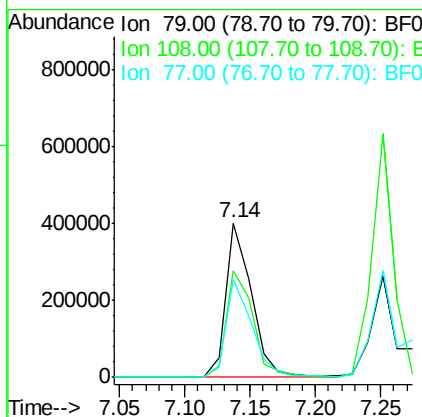
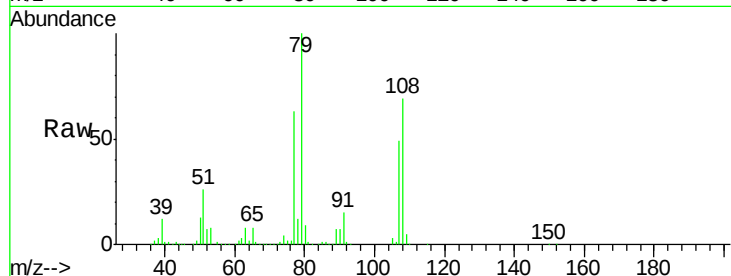
ClientSampleId :

CHA-STA-1698-D(0-2)MSD

Tot Ion:	79	Resp:	551019
Ion Ratio	Lower	Upper	
79	100		
108	69.4	60.9	91.3
77	63.0	51.5	77.3

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 42.60 ng

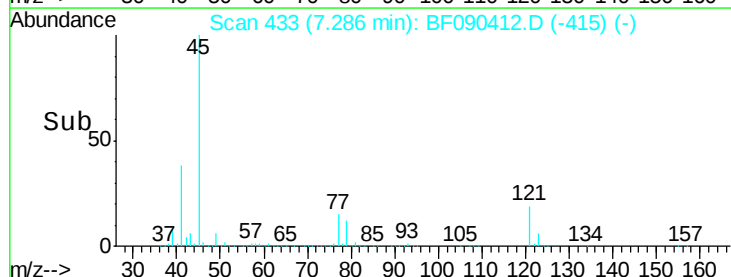
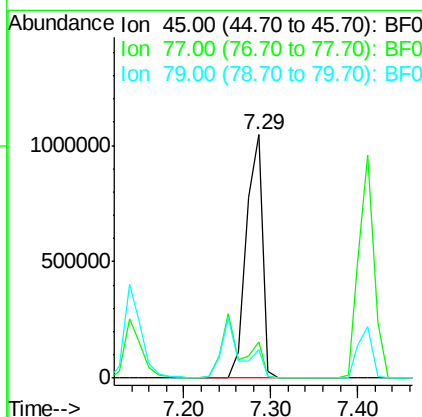
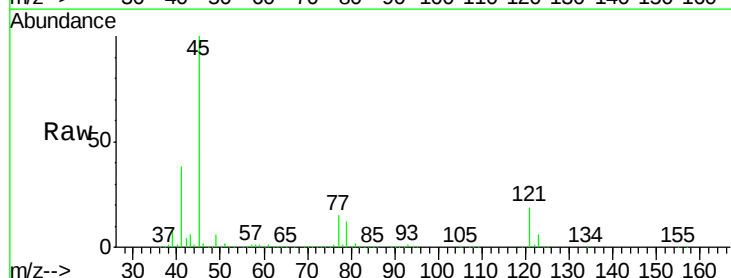
RT: 7.29 min Scan# 433

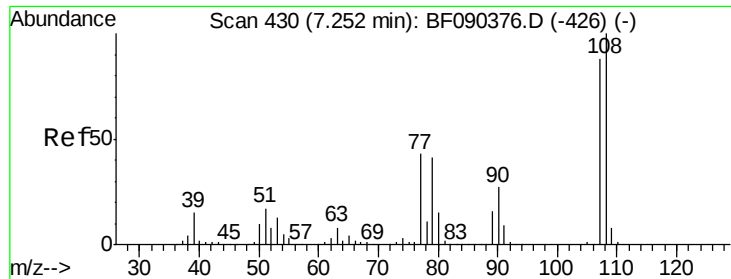
Delta R.T. 0.01 min

Lab File: BF090412.D

Acq: 6 Oct 2016 6:12

Tgt Ion:	45	Resp:	1347700
Ion Ratio	Lower	Upper	
45	100		
77	14.6	0.0	30.8
79	11.7	0.0	28.2





#17

2-Methylphenol

Concen: 44.36 ng

RT: 7.25 min Scan# 430

Delta R.T. -0.00 min

Lab File: BF090412.D

Acq: 6 Oct 2016 6:12

Instrument :

BNA_F

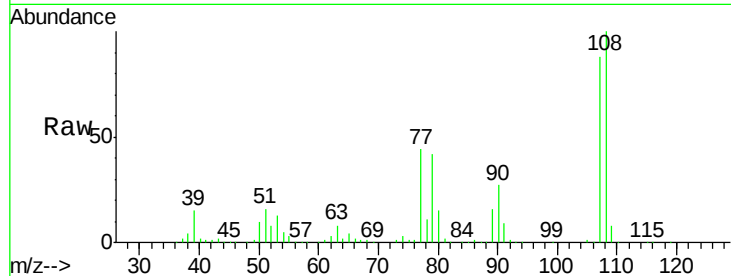
ClientSampleId :

CHA-STA-1698-D(0-2)MSD

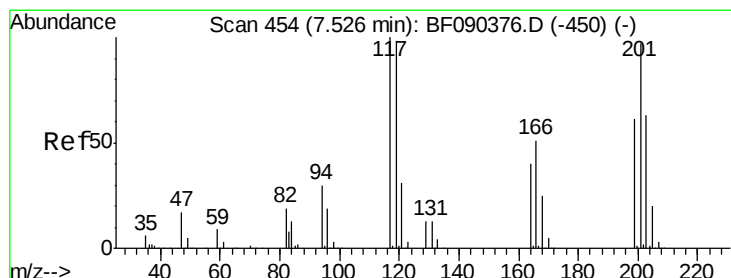
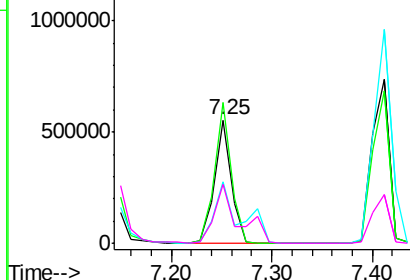
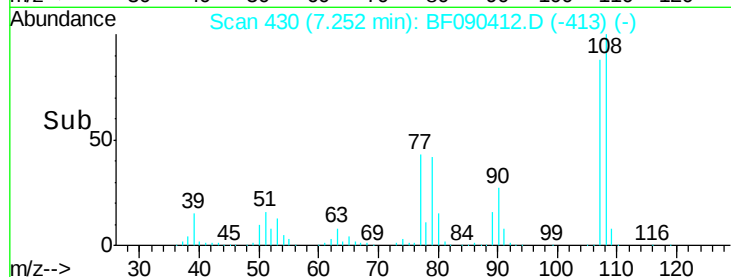
Tot Ion:	107	Resp:	642338
Ion Ratio	Lower	Upper	
107	100		
108	113.9	90.9	136.3
77	49.6	38.2	57.4
79	47.4	37.0	55.4

Manual Integrations
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Abundance Ion 107.00 (106.70 to 107.70): E
1500000
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: 42.75 ng

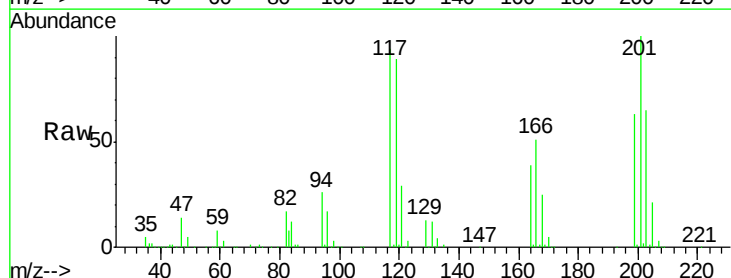
RT: 7.53 min Scan# 454

Delta R.T. -0.00 min

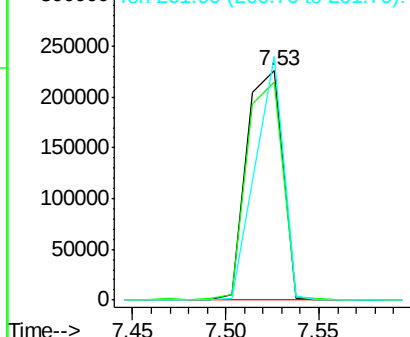
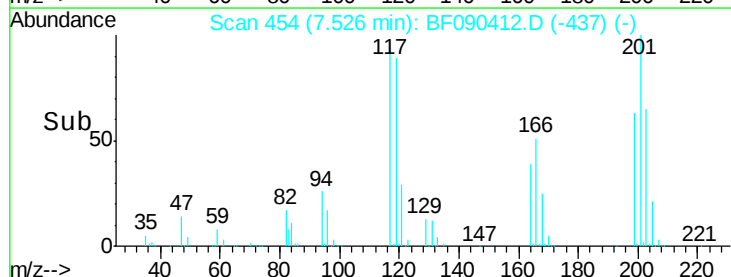
Lab File: BF090412.D

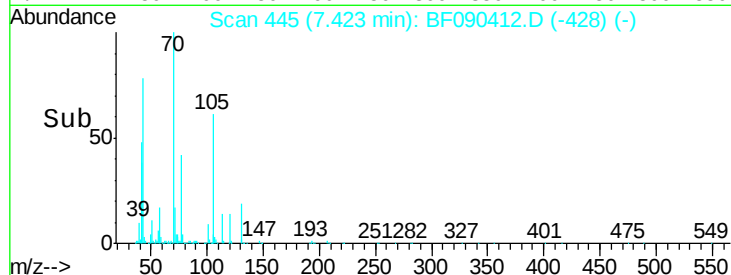
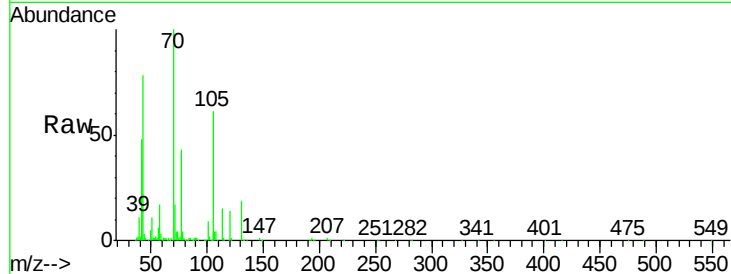
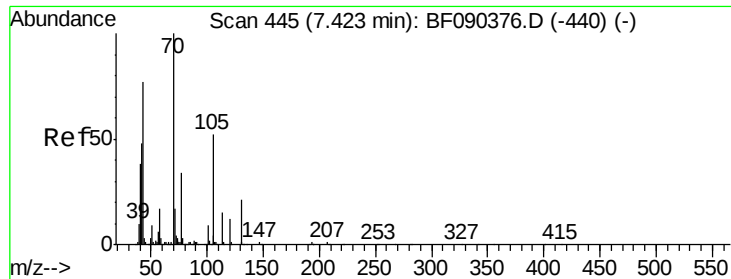
Acq: 6 Oct 2016 6:12

Tgt Ion:	117	Resp:	300440
Ion Ratio	Lower	Upper	
117	100		
119	95.0	75.9	113.9
201	106.3	66.5	99.7#



Abundance Ion 117.00 (116.70 to 117.70): E
300000
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





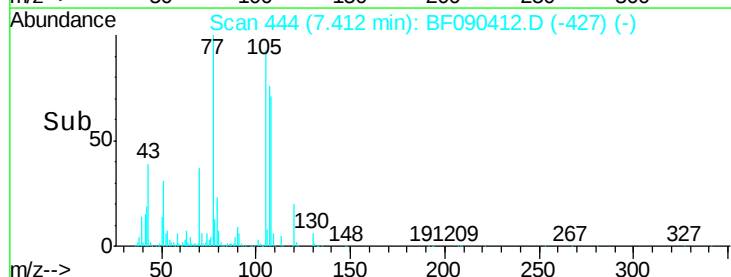
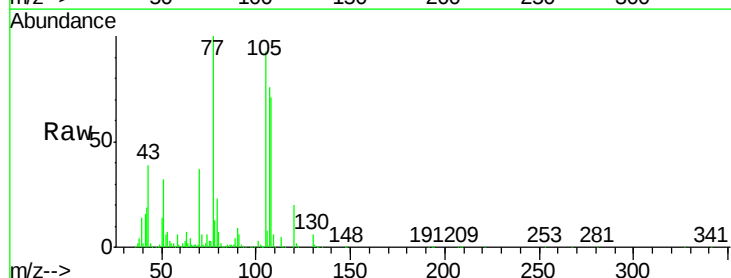
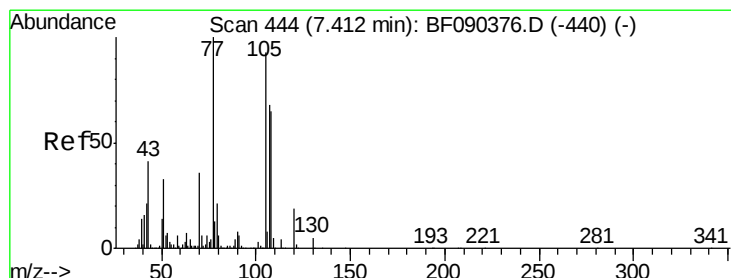
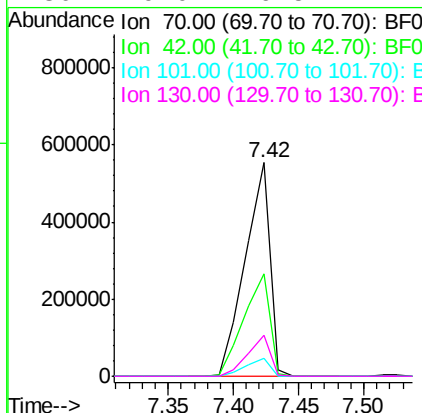
#19
n-Nitroso-di-n-propylamine
Concen: 47.41 ng
RT: 7.42 min Scan# 445
Delta R.T. -0.00 min
Lab File: BF090412.D
Acq: 6 Oct 2016 6:12

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	47.9	55.4	83.2#
101	8.7	7.6	11.4
130	19.0	16.5	24.7

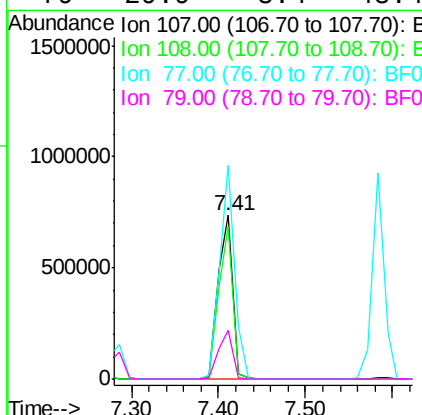
Manual Integrations
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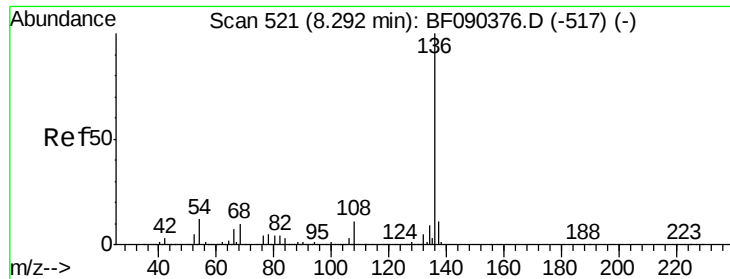
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#20
3+4-Methylphenols
Concen: 46.55 ng
RT: 7.41 min Scan# 444
Delta R.T. -0.00 min
Lab File: BF090412.D
Acq: 6 Oct 2016 6:12

Tgt Ion	Ratio	Lower	Upper
107	100		
108	93.2	66.7	106.7
77	130.8	53.7	93.7#
79	29.9	8.4	48.4





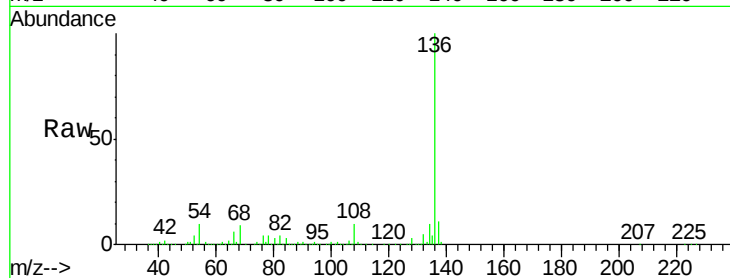
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.29 min Scan# 521
Delta R.T. -0.00 min
Lab File: BF090412.D
Acq: 6 Oct 2016 6:12

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)MSD

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.6
54	10.3	6.6	10.0#
68	9.0	5.0	7.6#

Manual Integrations
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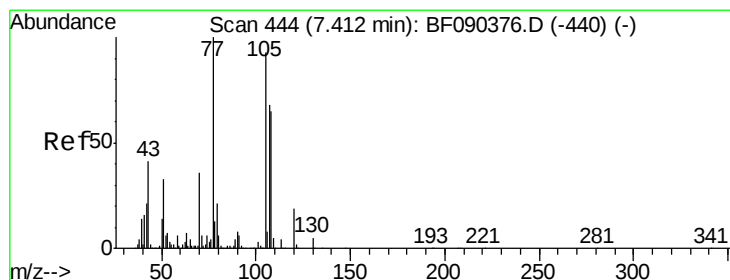
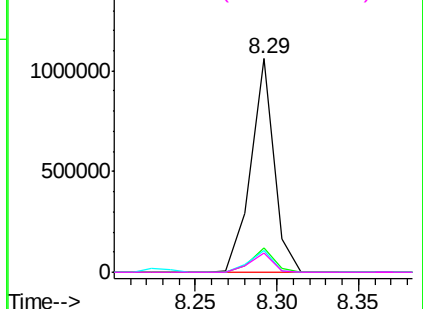
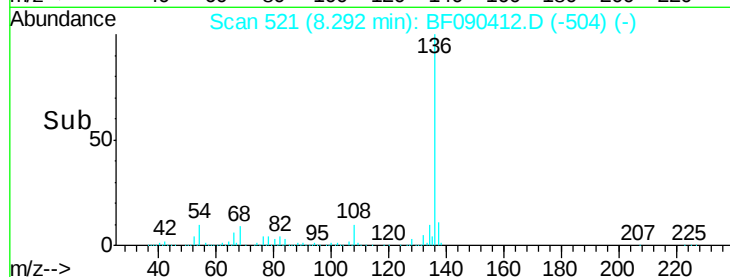
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22
Acetophenone
Concen: 44.06 ng
RT: 7.41 min Scan# 444
Delta R.T. -0.00 min
Lab File: BF090412.D
Acq: 6 Oct 2016 6:12

Tgt Ion	Ratio	Lower	Upper
105	100		
71	6.8	3.8	5.6#
51	34.0	28.2	42.4
120	21.5	17.4	26.2

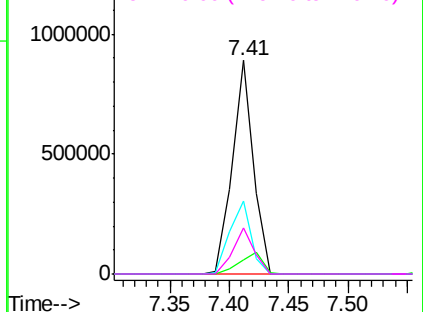
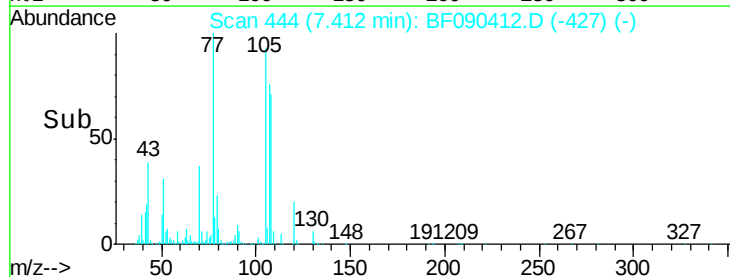
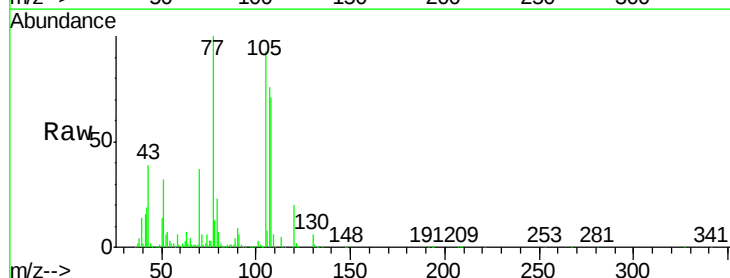
Abundance

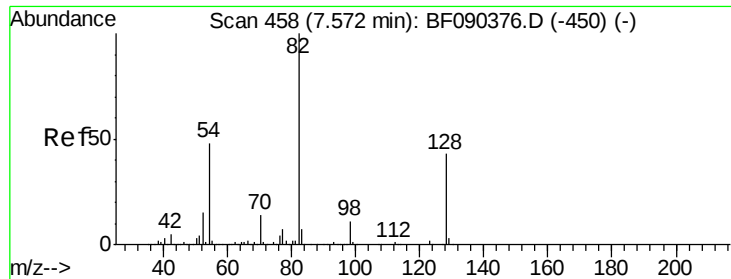
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





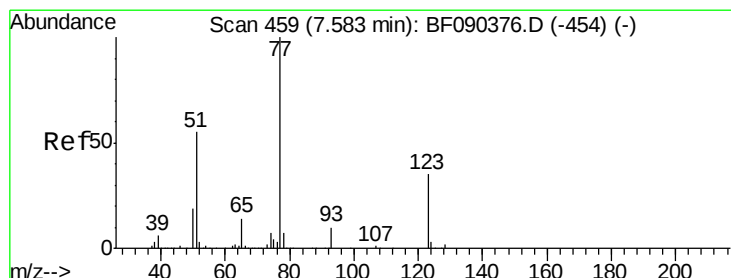
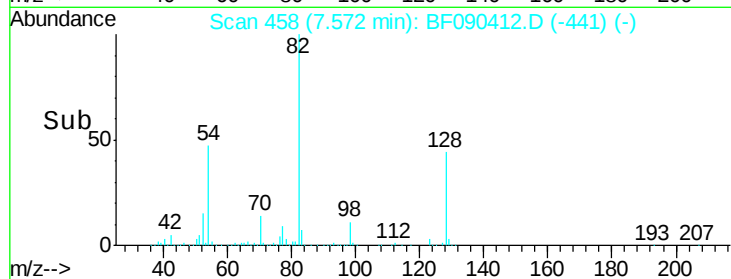
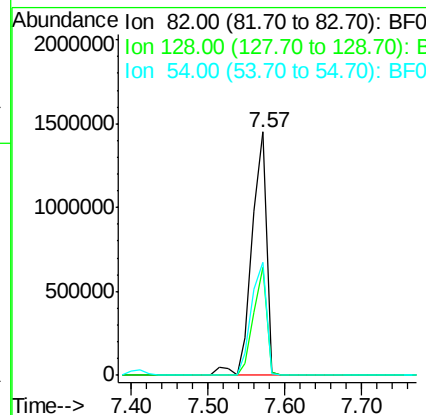
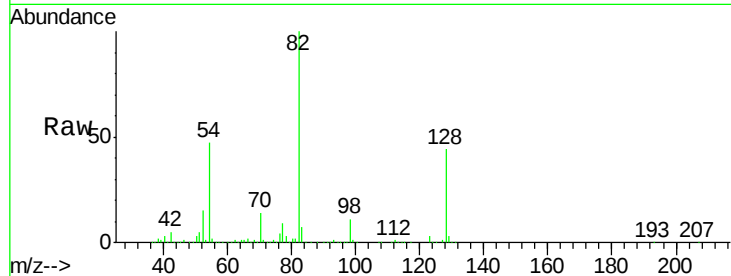
#23
Nitrobenzene-d5
Concen: 88.36 ng
RT: 7.57 min Scan# 458
Delta R.T. -0.00 min
Lab File: BF090412.D
Acq: 6 Oct 2016 6:12

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)MSD

Tot Ion	82	Resp	1901312
Ion Ratio	100	Lower	Upper
82	100		
128	44.4	40.0	60.0
54	46.6	42.6	64.0

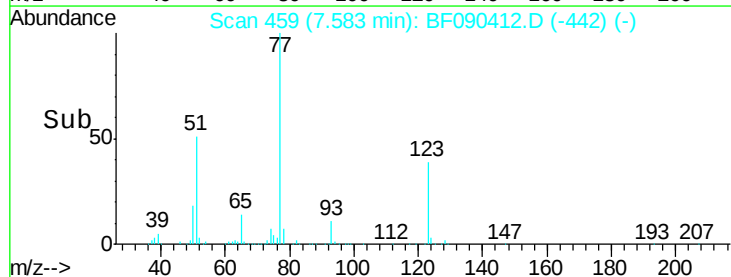
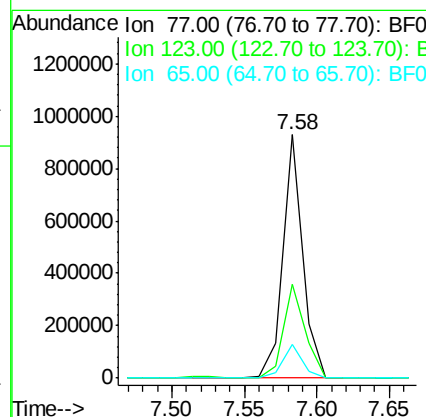
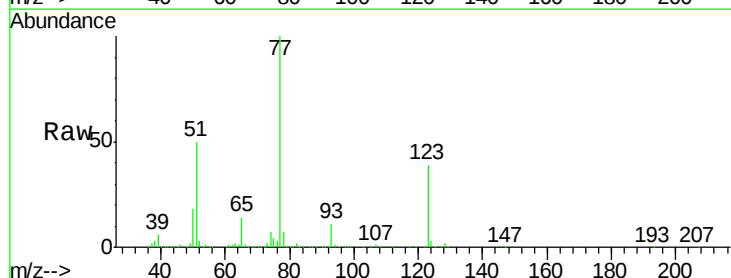
Manual Integrations
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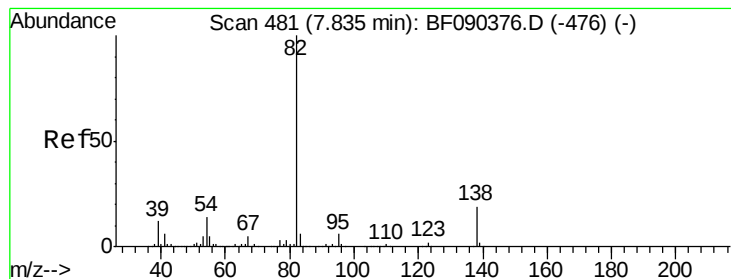
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#24
Nitrobenzene
Concen: 40.85 ng
RT: 7.58 min Scan# 459
Delta R.T. -0.00 min
Lab File: BF090412.D
Acq: 6 Oct 2016 6:12

Tgt Ion	77	Resp	872632
Ion Ratio	100	Lower	Upper
77	100		
123	38.8	33.0	49.4
65	14.0	12.0	18.0





#25

Isophorone

Concen: 44.98 ng

RT: 7.82 min Scan# 480

Delta R.T. -0.01 min

Lab File: BF090412.D

Acq: 6 Oct 2016 6:12

Instrument :

BNA_F

ClientSampleId :

CHA-STA-1698-D(0-2)MSD

Tot Ion: 82 Resp: 1769415

Ion Ratio Lower Upper

82 100

95 6.0 5.2 7.8

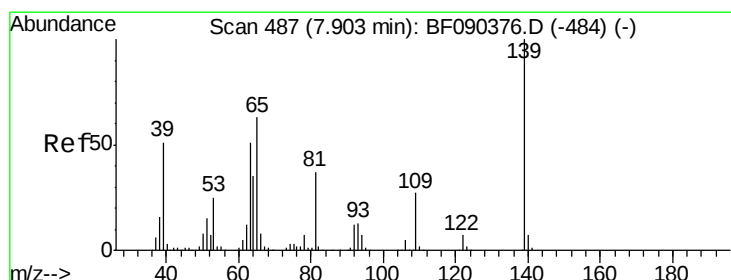
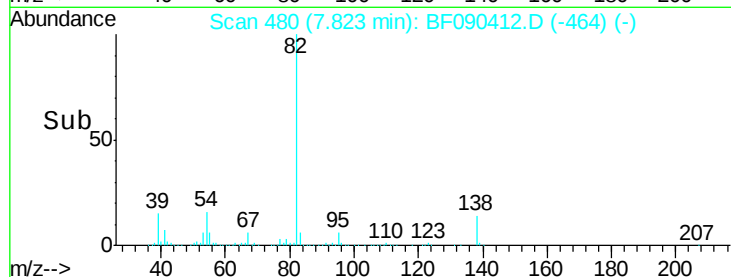
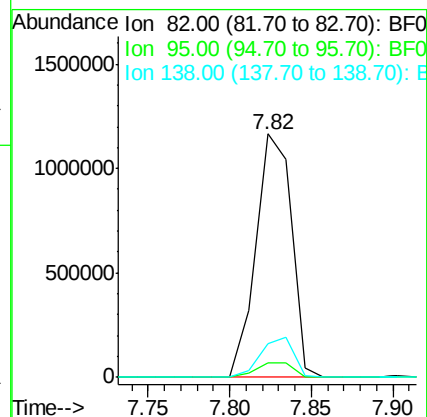
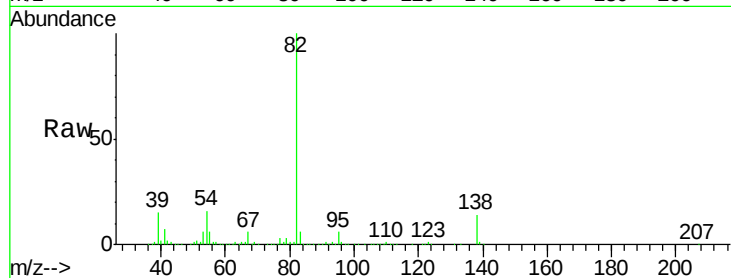
138 14.1 13.0 19.4

Manual Integrations

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#26

2-Nitrophenol

Concen: 43.93 ng

RT: 7.90 min Scan# 487

Delta R.T. -0.00 min

Lab File: BF090412.D

Acq: 6 Oct 2016 6:12

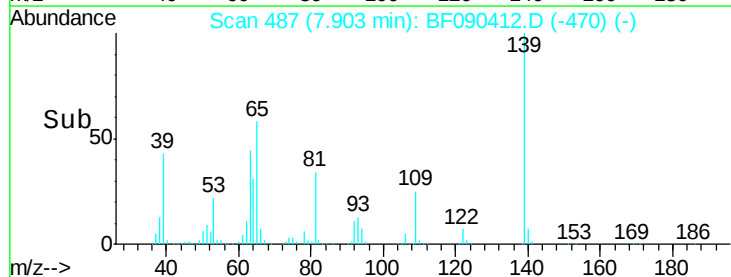
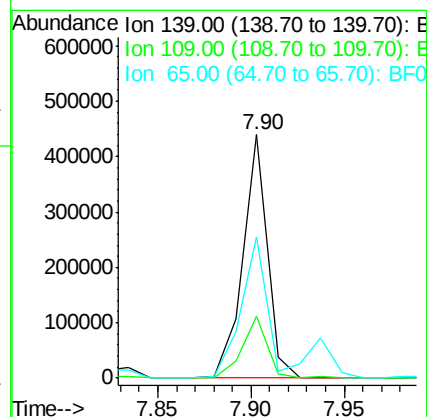
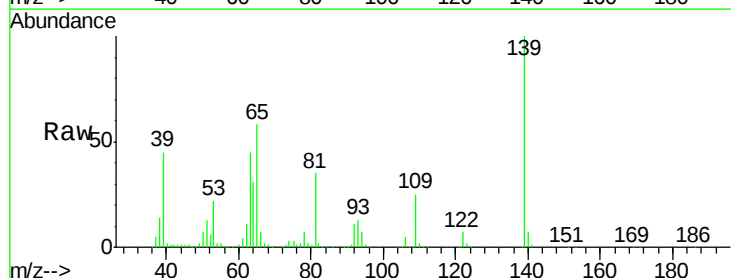
Tgt Ion: 139 Resp: 403913

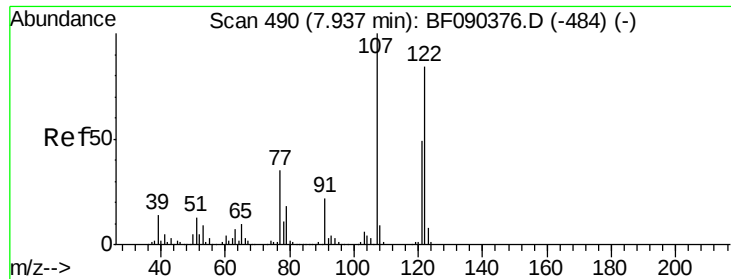
Ion Ratio Lower Upper

139 100

109 25.4 18.9 28.3

65 58.1 31.6 47.4#





#27

2,4-Dimethylphenol

Concen: 41.35 ng

RT: 7.94 min Scan# 490

Delta R.T. -0.00 min

Lab File: BF090412.D

Acq: 6 Oct 2016 6:12

Instrument :

BNA_F

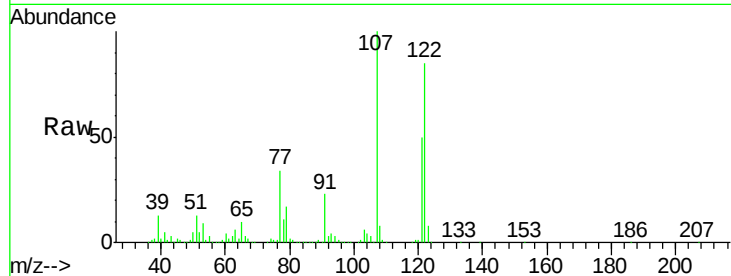
ClientSampleId :

CHA-STA-1698-D(0-2)MSD

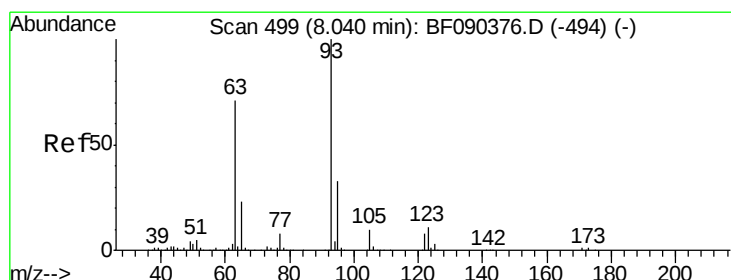
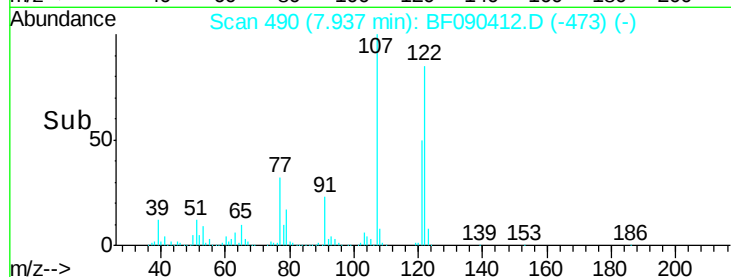
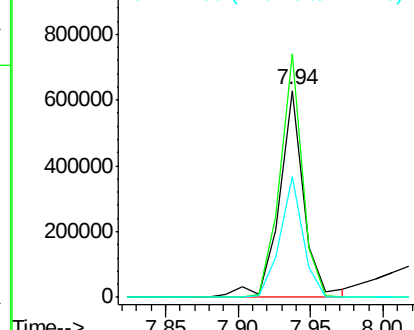
Tot Ion:	122	Resp:	739443
Ion Ratio	Lower	Upper	
122	100		
107	117.7	88.6	132.8
121	58.5	47.5	71.3

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Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 42.87 ng

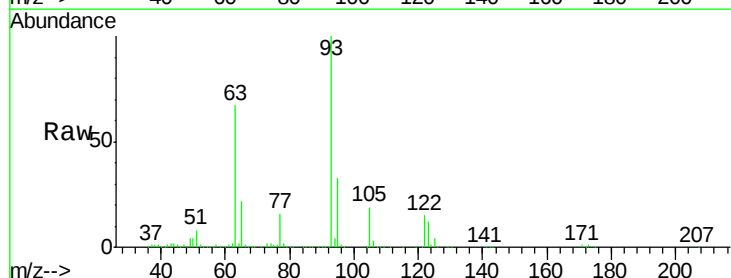
RT: 8.04 min Scan# 499

Delta R.T. -0.00 min

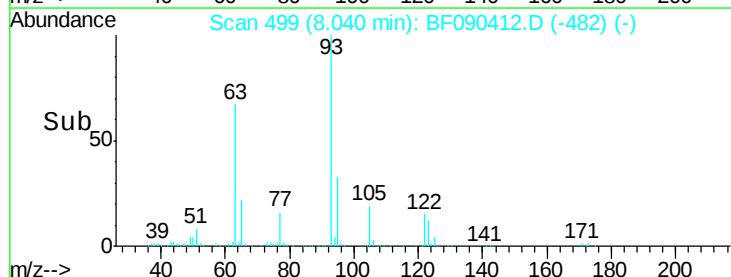
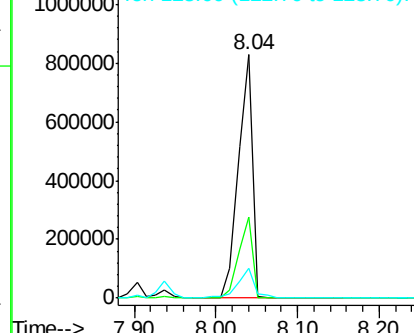
Lab File: BF090412.D

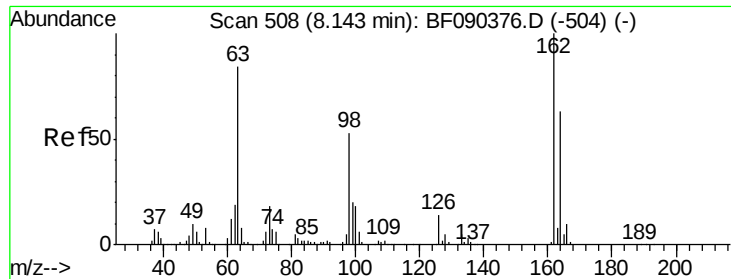
Acq: 6 Oct 2016 6:12

Tgt Ion:	93	Resp:	997365
Ion Ratio	Lower	Upper	
93	100		
95	33.3	27.0	40.4
123	12.1	11.1	16.7



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 123.00 (122.70 to 123.70): E





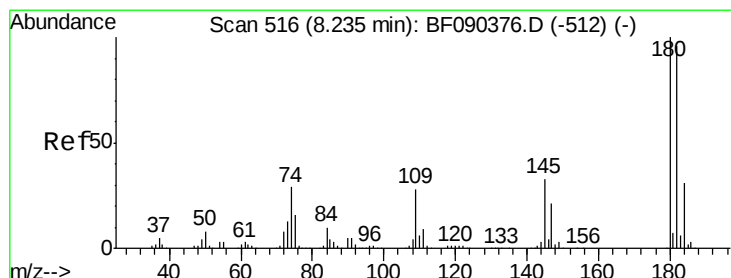
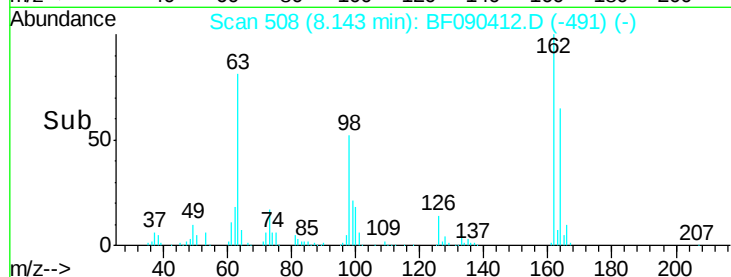
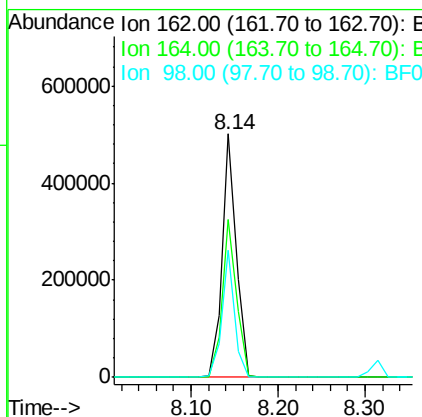
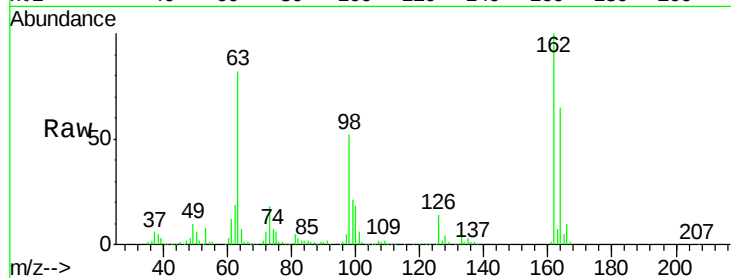
#29
 2,4-Dichlorophenol
 Concen: 42.56 ng
 RT: 8.14 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: BF090412.D
 Acq: 6 Oct 2016 6:12

Instrument :
 BNA_F
 ClientSampleId :
 CHA-STA-1698-D(0-2)MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100			
164	64.8	45.7	85.7	
98	52.3	13.3	53.3	

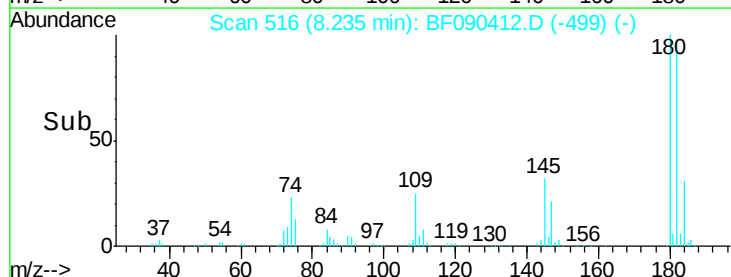
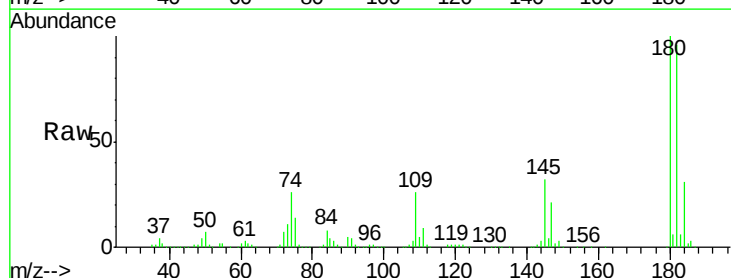
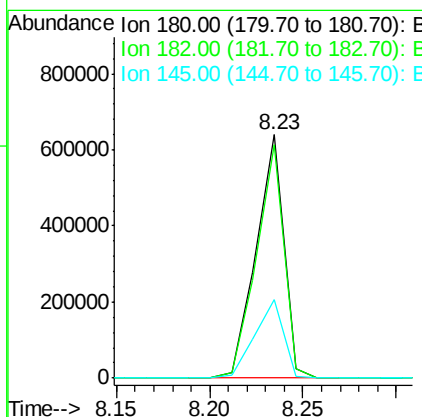
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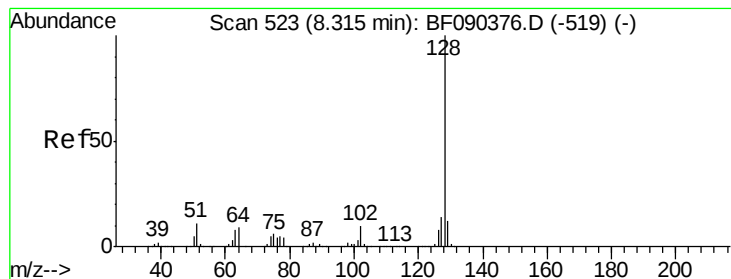
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#30
 1,2,4-Trichlorobenzene
 Concen: 46.73 ng
 RT: 8.23 min Scan# 516
 Delta R.T. -0.00 min
 Lab File: BF090412.D
 Acq: 6 Oct 2016 6:12

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.0	75.3	112.9	
145	32.5	27.7	41.5	





#31

Naphthalene

Concen: 45.20 ng

RT: 8.31 min Scan# 523

Delta R.T. -0.00 min

Lab File: BF090412.D

Acq: 6 Oct 2016 6:12

Instrument :

BNA_F

ClientSampleId :

CHA-STA-1698-D(0-2)MSD

Tot Ion:128 Resp: 2282577

Ion Ratio Lower Upper

128 100

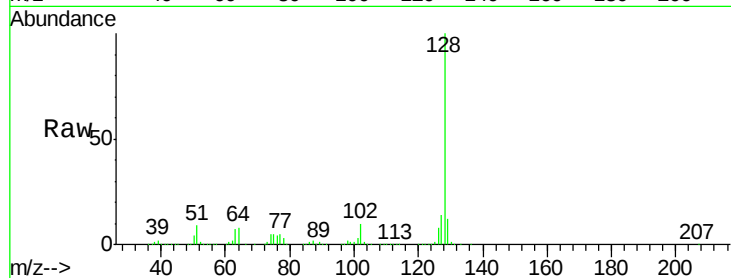
129 12.0 9.7 14.5

127 14.2 11.7 17.5

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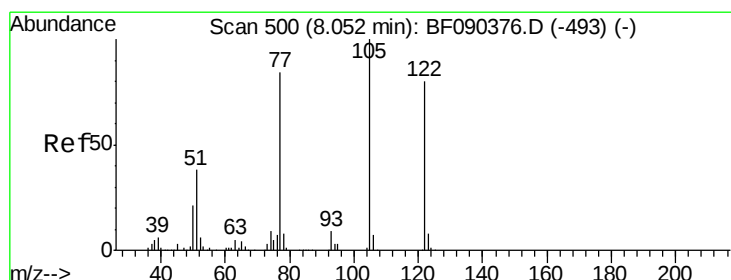
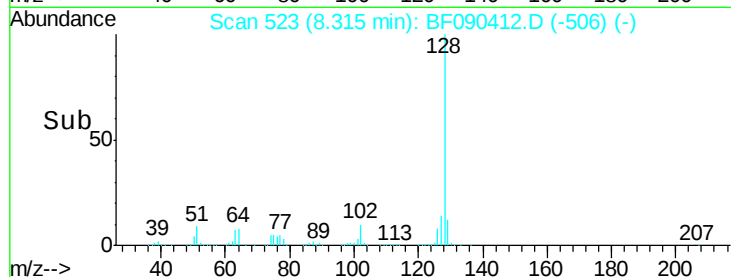
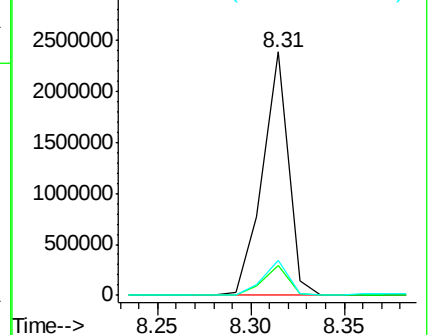
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 42.38 ng

RT: 8.05 min Scan# 500

Delta R.T. -0.00 min

Lab File: BF090412.D

Acq: 6 Oct 2016 6:12

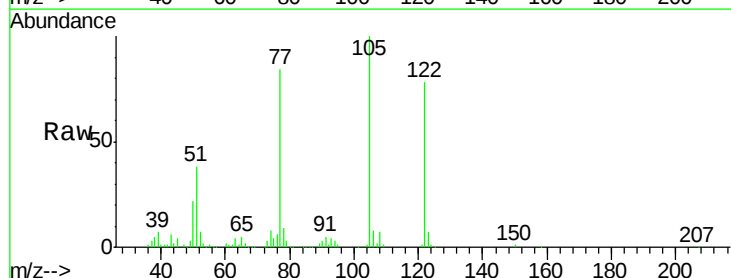
Tgt Ion:122 Resp: 526821

Ion Ratio Lower Upper

122 100

105 127.5 103.9 143.9

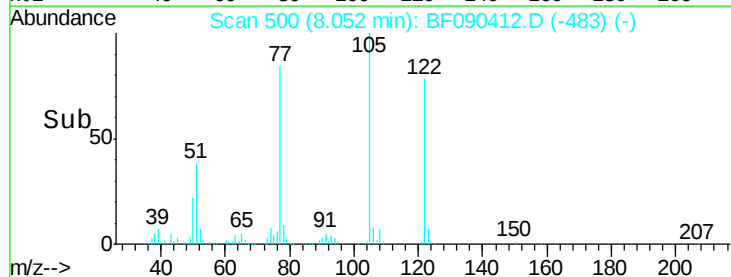
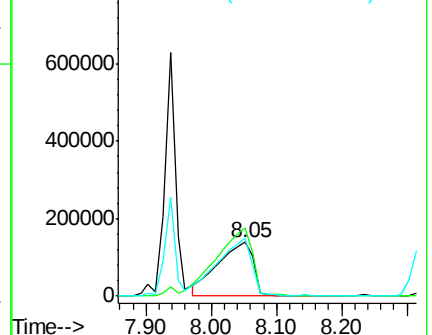
77 107.1 74.6 114.6

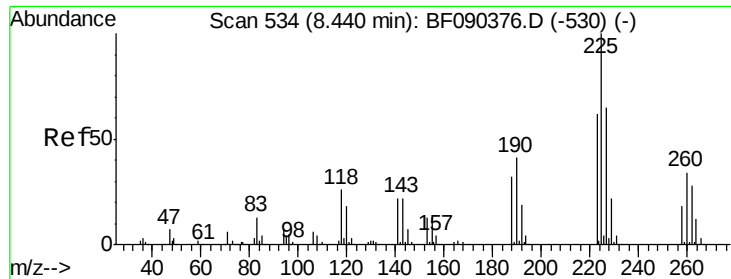


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#34

Hexachlorobutadiene

Concen: 42.43 ng

RT: 8.43 min Scan# 533

Delta R.T. -0.01 min

Lab File: BF090412.D

Acq: 6 Oct 2016 6:12

Instrument :

BNA_F

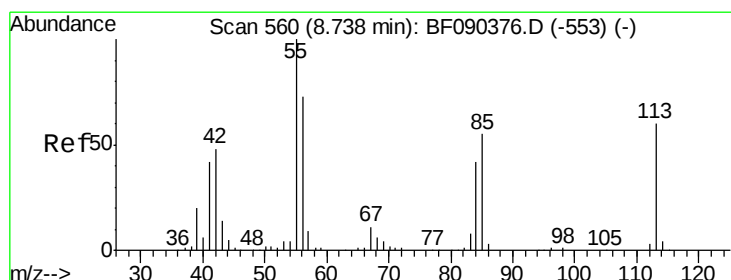
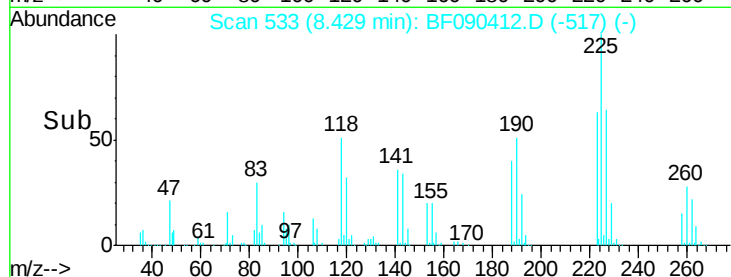
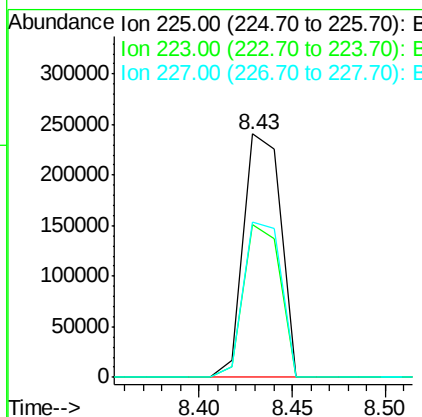
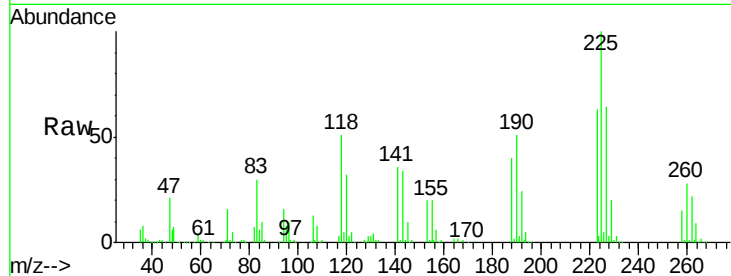
ClientSampleId :

CHA-STA-1698-D(0-2)MSD

Tot Ion:	225	Resp:	332141
Ion Ratio	Lower	Upper	
225	100		
223	62.9	51.0	76.4
227	63.6	50.8	76.2

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#35

Caprolactam

Concen: 41.09 ng m

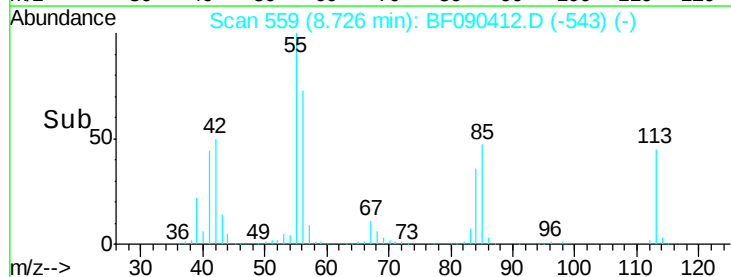
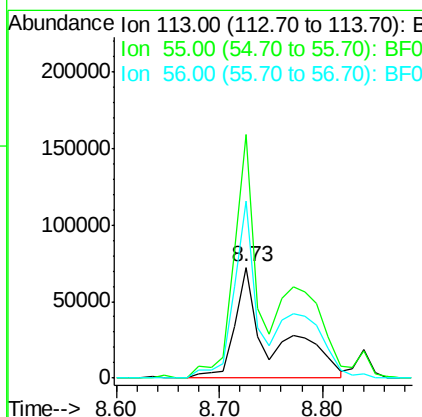
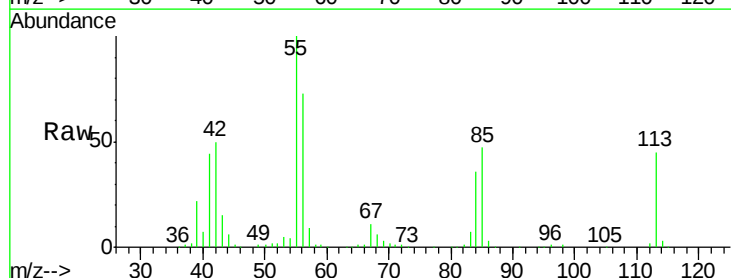
RT: 8.73 min Scan# 559

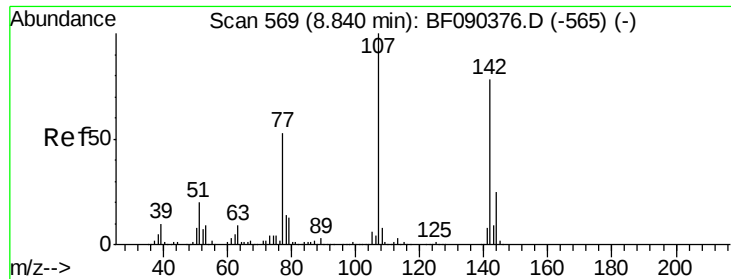
Delta R.T. -0.01 min

Lab File: BF090412.D

Acq: 6 Oct 2016 6:12

Tgt Ion:	113	Resp:	187800
Ion Ratio	Lower	Upper	
113	100		
55	220.0	203.3	243.3
56	159.6	140.5	180.5





#36

4-Chloro-3-methylphenol

Concen: 42.20 ng

RT: 8.84 min Scan# 569

Delta R.T. -0.00 min

Lab File: BF090412.D

Acq: 6 Oct 2016 6:12

Instrument :

BNA_F

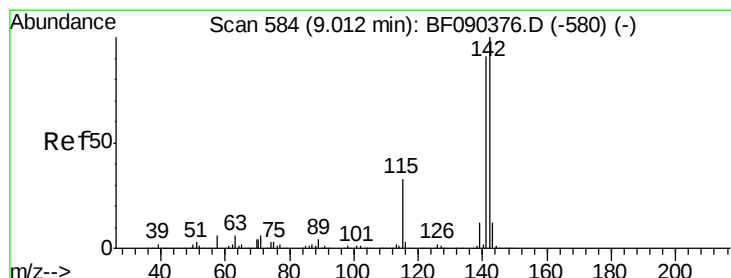
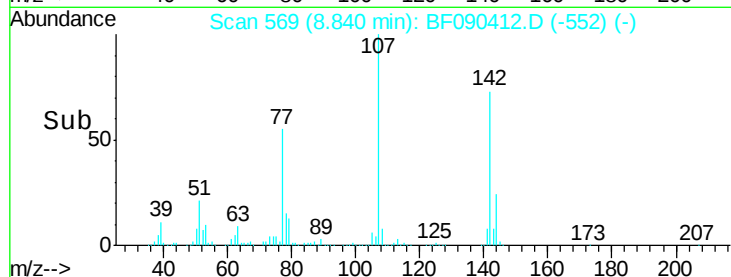
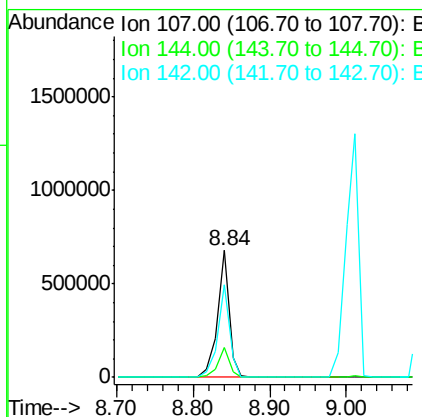
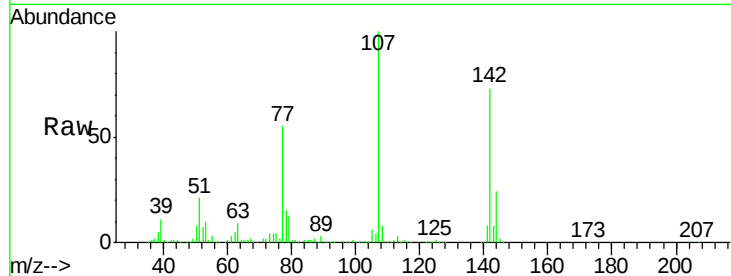
ClientSampleId :

CHA-STA-1698-D(0-2)MSD

Tot Ion:	107	Resp:	718384
Ion Ratio	Lower	Upper	
107	100		
144	23.9	19.8	29.8
142	73.0	60.7	91.1

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#37

2-Methylnaphthalene

Concen: 50.69 ng

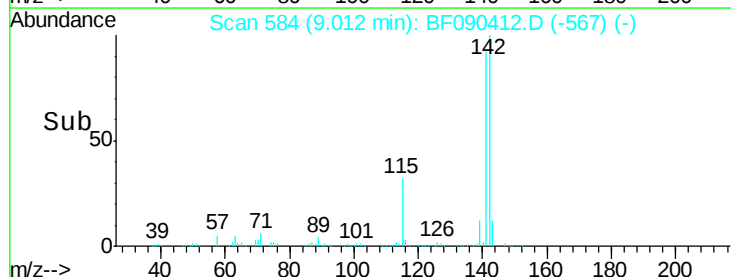
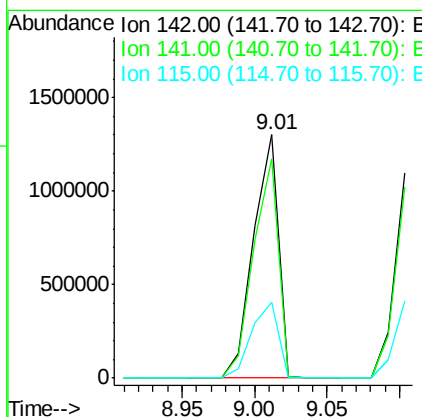
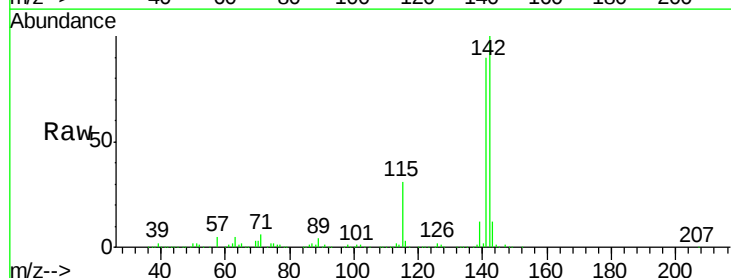
RT: 9.01 min Scan# 584

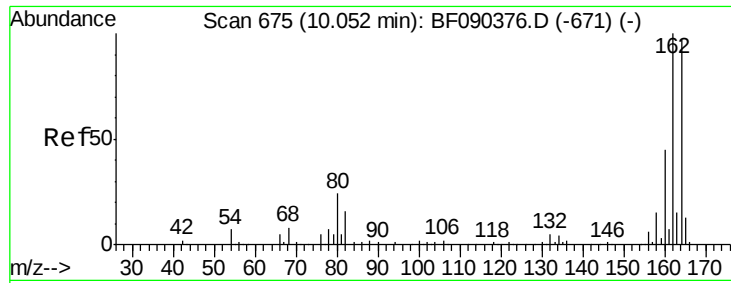
Delta R.T. -0.00 min

Lab File: BF090412.D

Acq: 6 Oct 2016 6:12

Tgt Ion:	142	Resp:	1549459
Ion Ratio	Lower	Upper	
142	100		
141	89.9	71.8	107.8
115	31.0	28.8	43.2





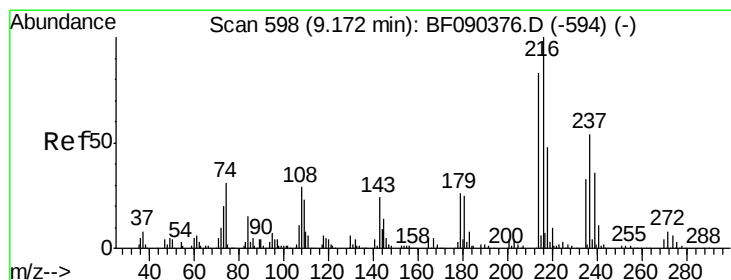
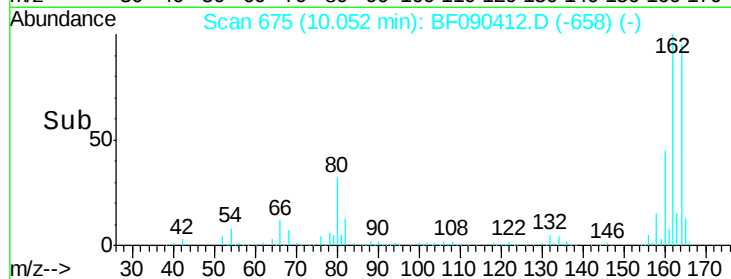
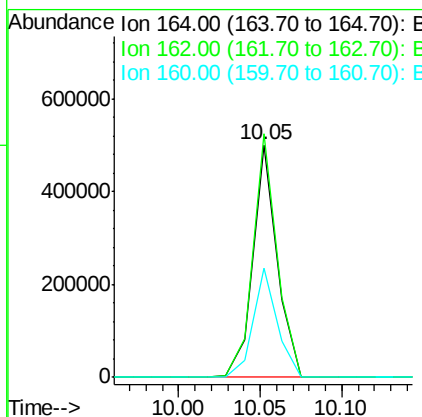
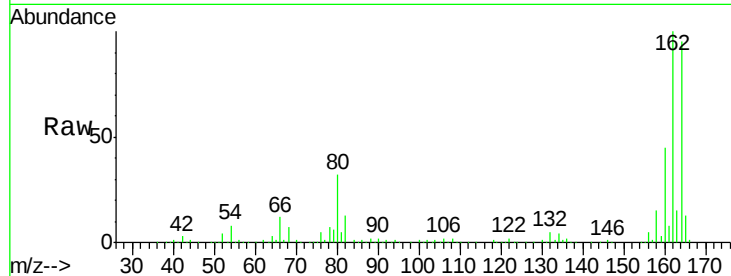
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.05 min Scan# 675
Delta R.T. -0.00 min
Lab File: BF090412.D
Acq: 6 Oct 2016 6:12

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.8	80.1	120.1
160	46.8	36.3	54.5

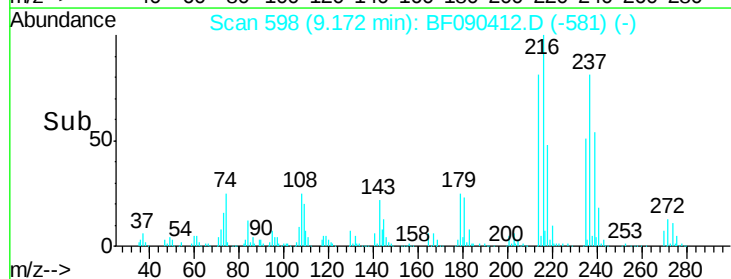
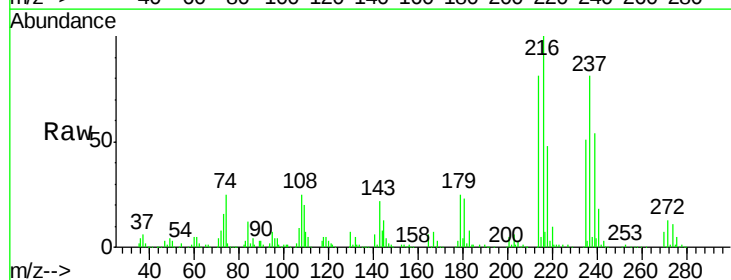
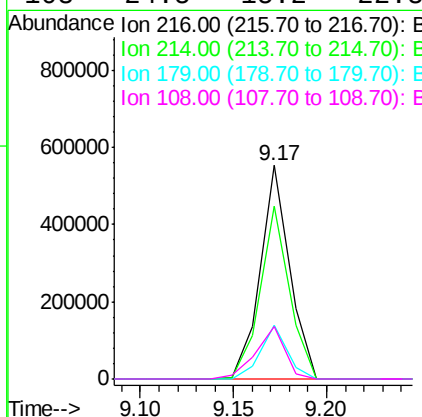
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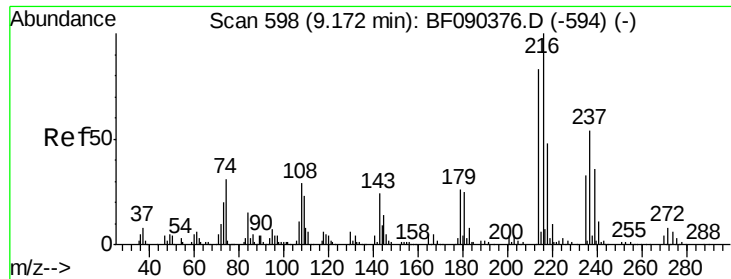
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#39
1,2,4,5-Tetrachlorobenzene
Concen: 44.14 ng
RT: 9.17 min Scan# 598
Delta R.T. -0.00 min
Lab File: BF090412.D
Acq: 6 Oct 2016 6:12

Tgt Ion	Ratio	Lower	Upper
216	100		
214	80.3	64.2	96.2
179	23.1	18.0	27.0
108	24.5	15.2	22.8





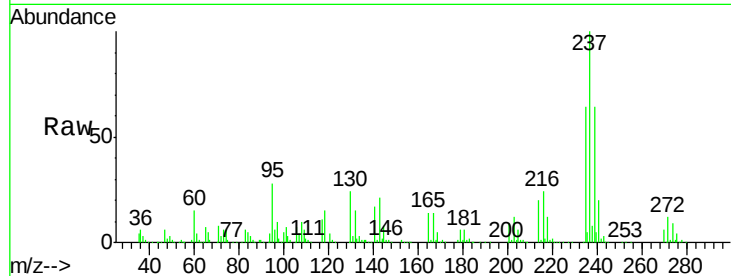
#40
Hexachlorocyclopentadiene
Concen: 101.56 ng
RT: 9.16 min Scan# 597
Delta R.T. -0.01 min
Lab File: BF090412.D
Acq: 6 Oct 2016 6:12

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)MSD

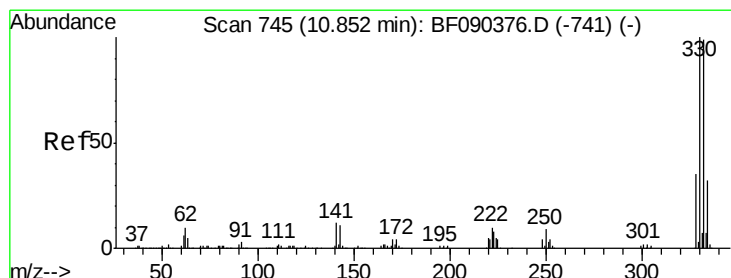
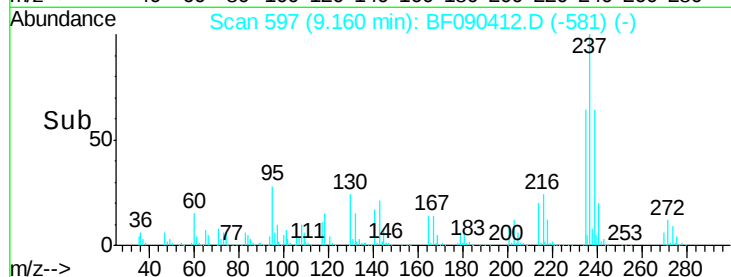
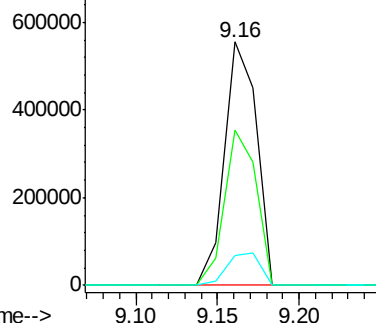
Tot Ion	Ratio	Resp	Lower	Upper
237	100	757394		
235	64.0	43.6	83.6	
272	12.1	0.0	32.7	

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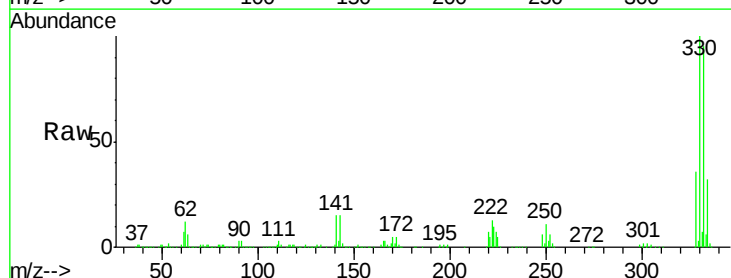


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

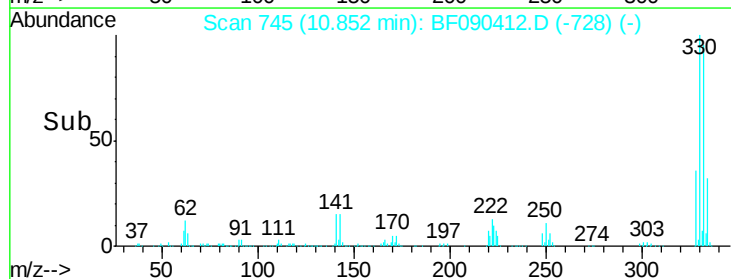
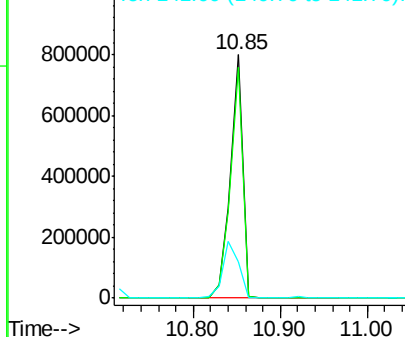


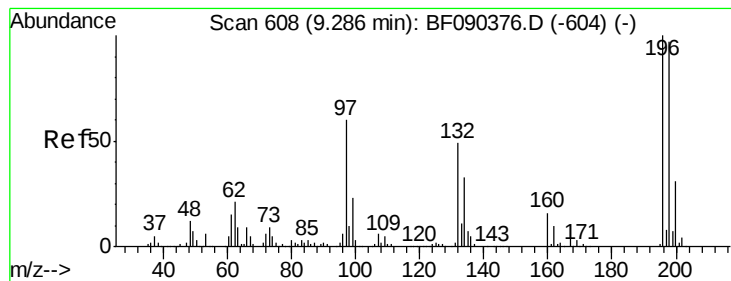
#41
2,4,6-Tribromophenol
Concen: 188.80 ng
RT: 10.85 min Scan# 745
Delta R.T. -0.00 min
Lab File: BF090412.D
Acq: 6 Oct 2016 6:12

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	792214		
332	94.9	75.4	113.0	
141	30.7	26.9	40.3	



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





#42

2,4,6-Trichlorophenol

Concen: 48.88 ng m

RT: 9.29 min Scan# 608

Delta R.T. -0.00 min

Lab File: BF090412.D

Acq: 6 Oct 2016 6:12

Instrument :

BNA_F

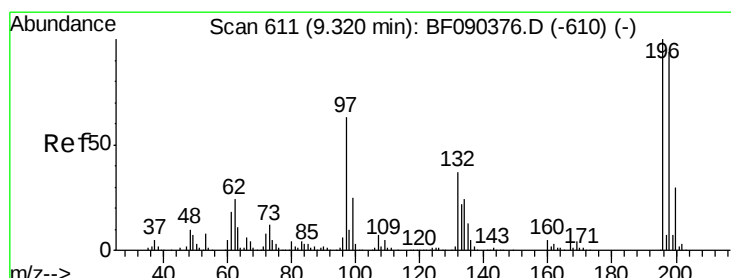
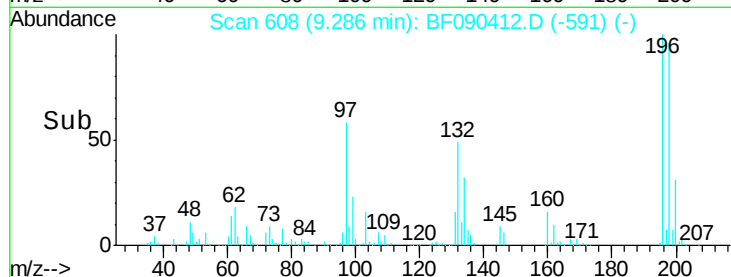
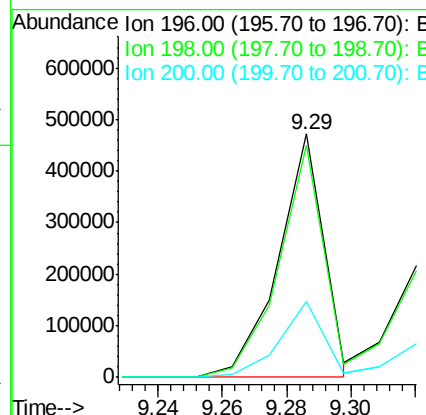
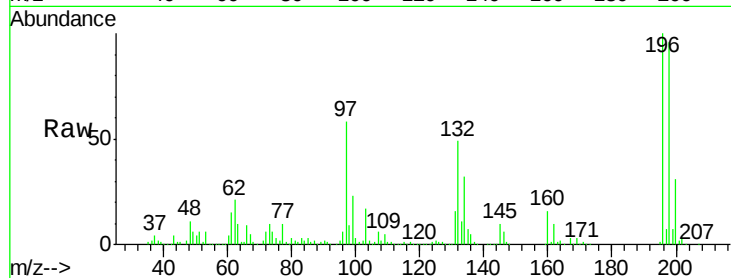
ClientSampleId :

CHA-STA-1698-D(0-2)MSD

Tot Ion:	196	Resp:	458937
Ion Ratio	Lower	Upper	
196	100		
198	95.5	78.9	118.3
200	31.3	25.4	38.2

Manual Integrations
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#43

2,4,5-Trichlorophenol

Concen: 53.19 ng m

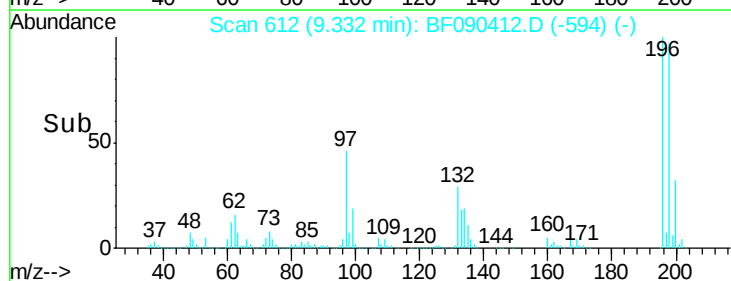
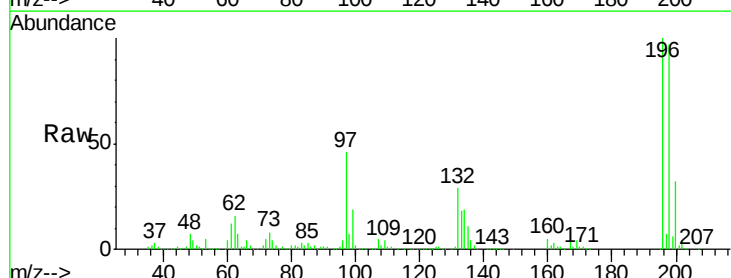
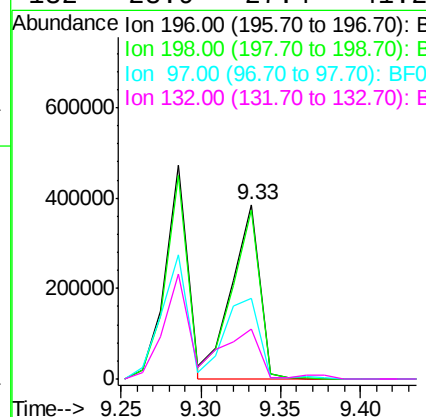
RT: 9.33 min Scan# 612

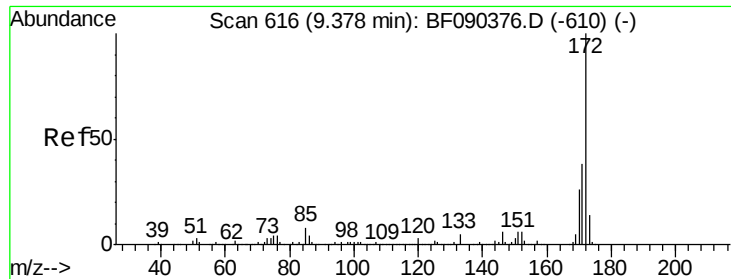
Delta R.T. 0.01 min

Lab File: BF090412.D

Acq: 6 Oct 2016 6:12

Tgt Ion:	196	Resp:	472168
Ion Ratio	Lower	Upper	
196	100		
198	97.0	78.1	117.1
97	46.3	48.1	72.1#
132	28.9	27.4	41.2





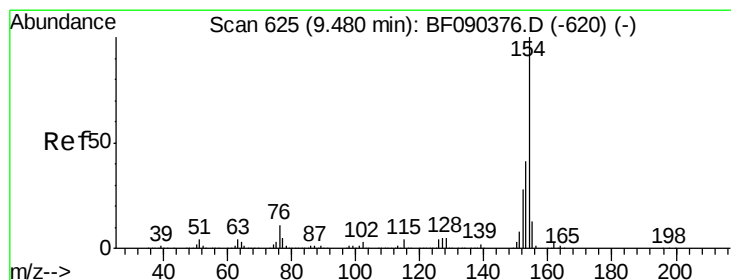
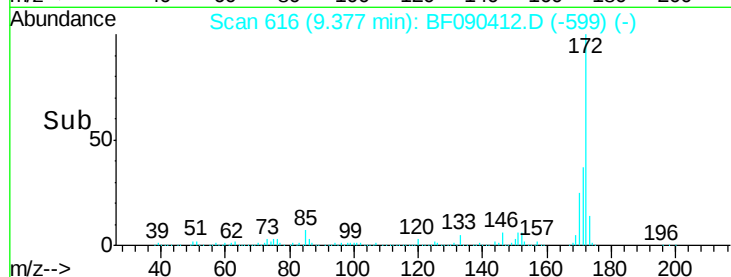
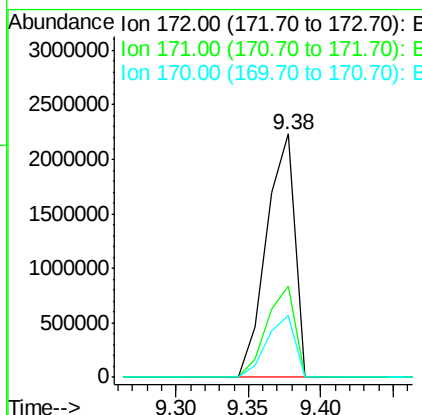
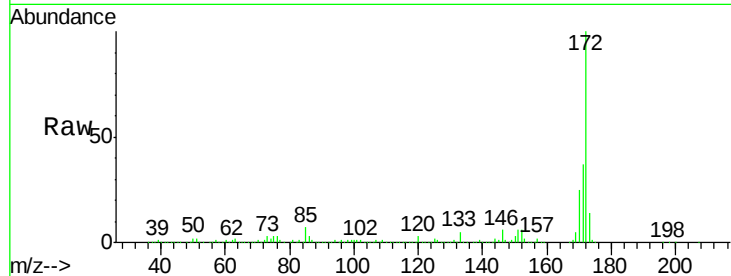
#44
2-Fluorobiphenyl
Concen: 97.63 ng
RT: 9.38 min Scan# 616
Delta R.T. -0.00 min
Lab File: BF090412.D
Acq: 6 Oct 2016 6:12

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)MSD

Tot Ion:172 Resp: 3023833
Ion Ratio Lower Upper
172 100
171 37.3 31.8 47.8
170 25.5 21.7 32.5

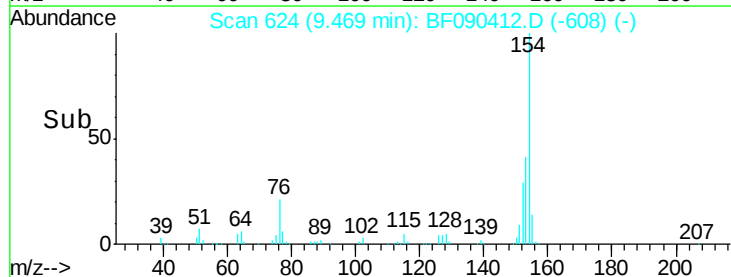
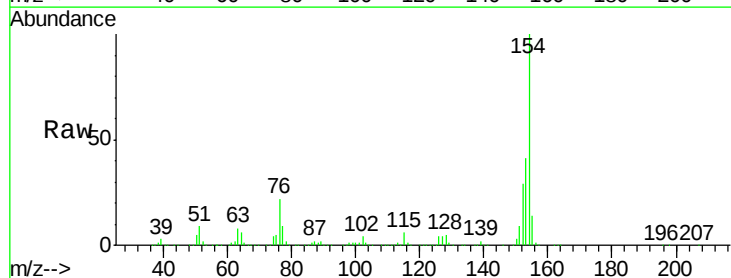
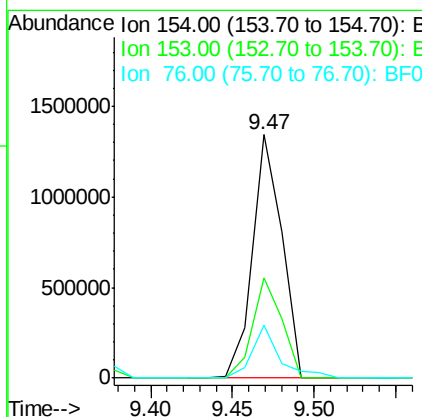
Manual Integrations
APPROVED

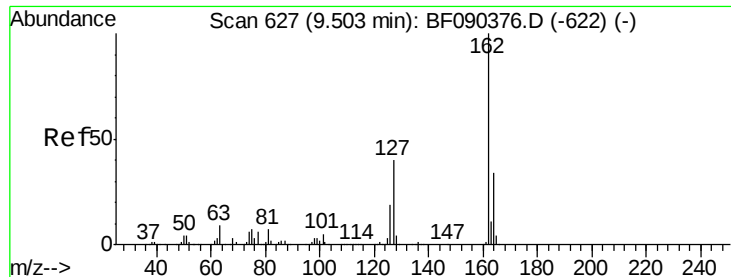
SOHIL
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#45
1,1'-Biphenyl
Concen: 43.80 ng
RT: 9.47 min Scan# 624
Delta R.T. -0.01 min
Lab File: BF090412.D
Acq: 6 Oct 2016 6:12

Tgt Ion:154 Resp: 1674813
Ion Ratio Lower Upper
154 100
153 41.4 23.8 63.8
76 21.8 0.0 35.8





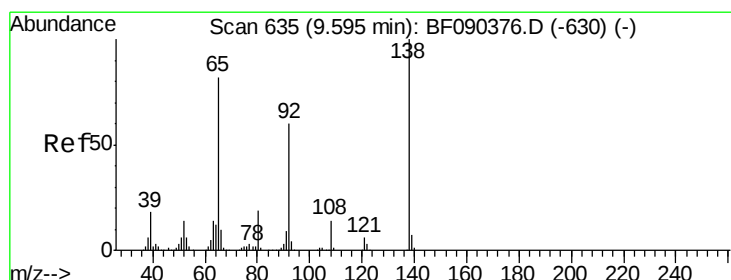
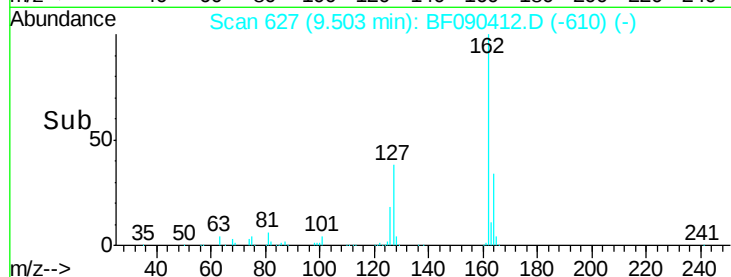
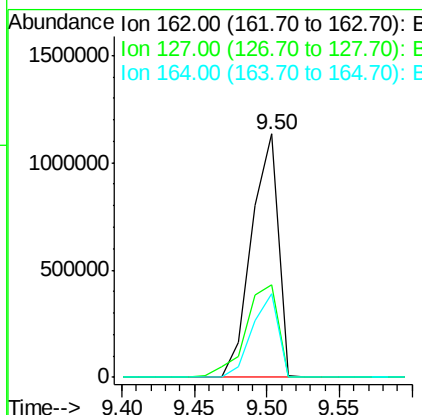
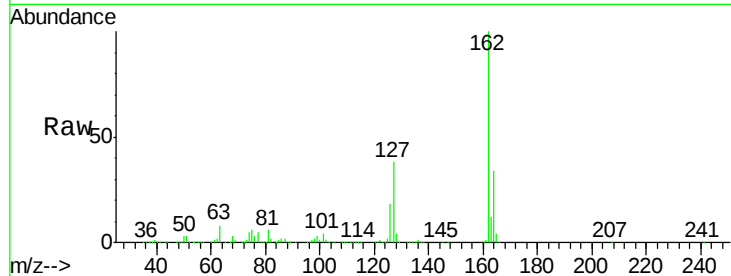
#46
2-Chloronaphthalene
Concen: 51.15 ng
RT: 9.50 min Scan# 627
Delta R.T. -0.00 min
Lab File: BF090412.D
Acq: 6 Oct 2016 6:12

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)MSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	38.1	35.6	53.4
164	34.3	27.5	41.3

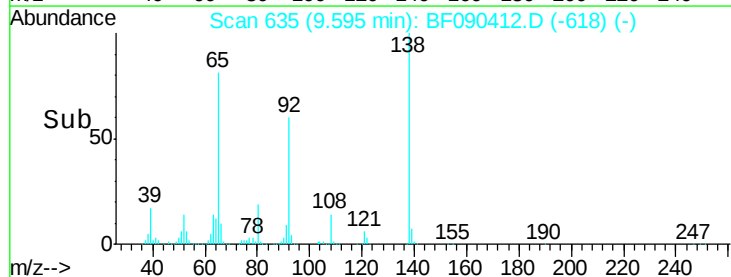
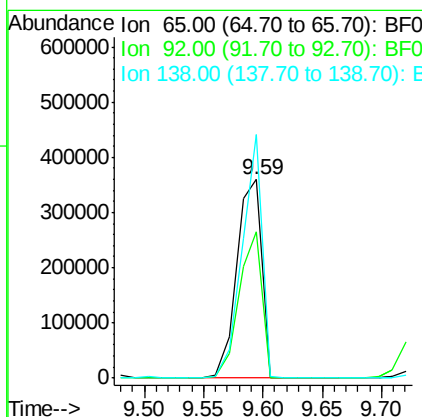
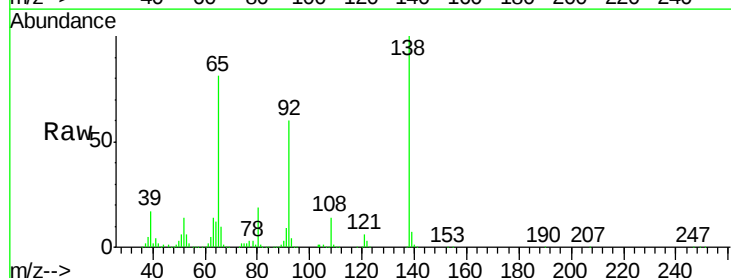
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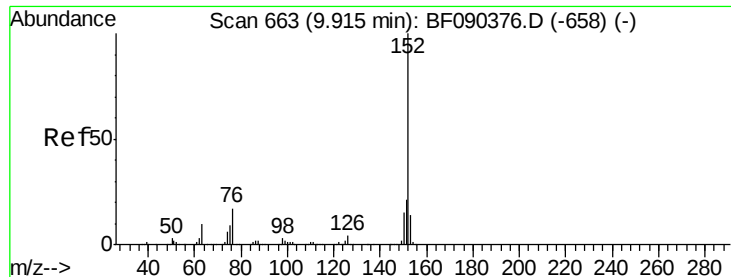
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#47
2-Nitroaniline
Concen: 47.42 ng
RT: 9.59 min Scan# 635
Delta R.T. -0.00 min
Lab File: BF090412.D
Acq: 6 Oct 2016 6:12

Tgt Ion	Ratio	Lower	Upper
65	100		
92	74.0	51.7	77.5
138	122.8	79.0	118.4





#48

Acenaphthylene

Concen: 42.33 ng

RT: 9.91 min Scan# 663

Delta R.T. -0.00 min

Lab File: BF090412.D

Acq: 6 Oct 2016 6:12

Instrument :

BNA_F

ClientSampleId :

CHA-STA-1698-D(0-2)MSD

Tot Ion:152 Resp: 1973308

Ion Ratio Lower Upper

152 100

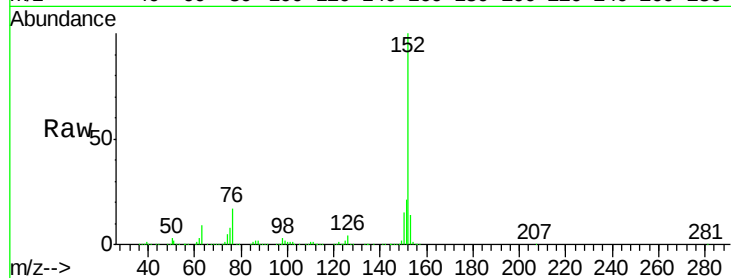
151 20.8 17.4 26.0

153 14.2 11.6 17.4

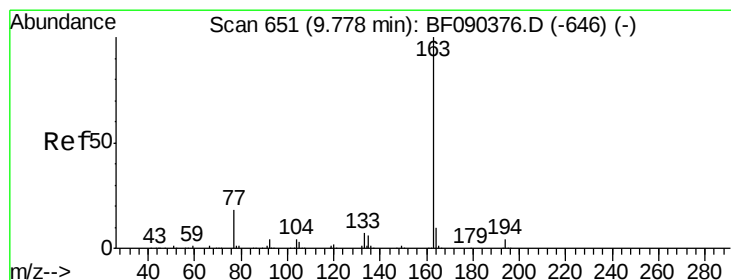
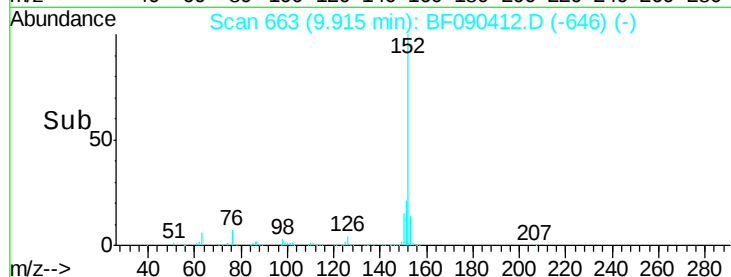
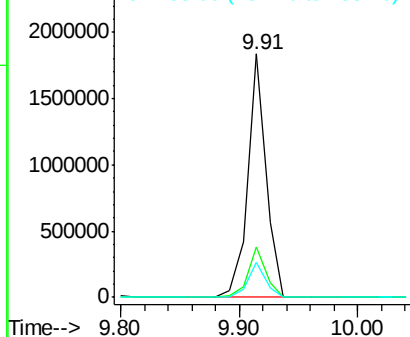
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 52.48 ng

RT: 9.78 min Scan# 651

Delta R.T. -0.00 min

Lab File: BF090412.D

Acq: 6 Oct 2016 6:12

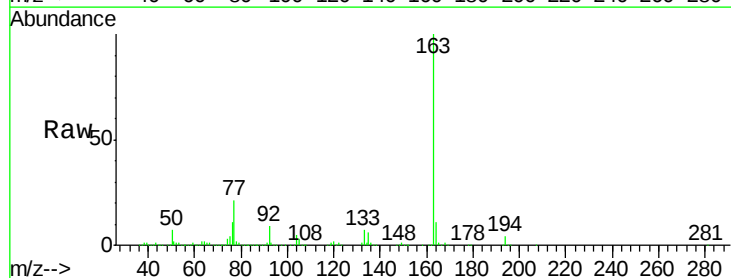
Tgt Ion:163 Resp: 1734271

Ion Ratio Lower Upper

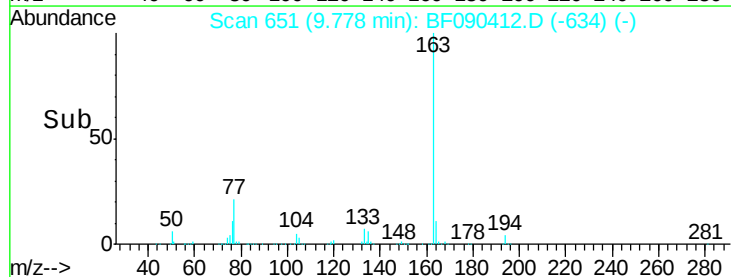
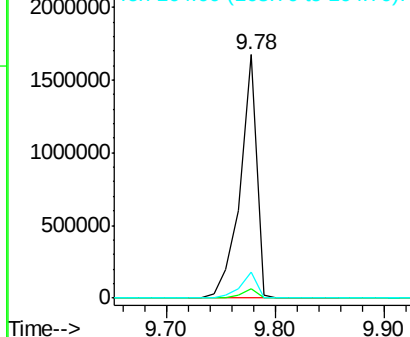
163 100

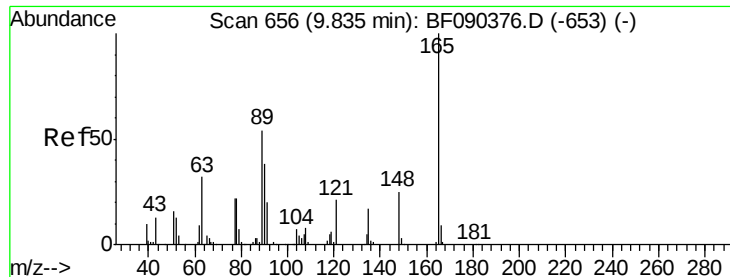
194 3.8 2.8 4.2

164 10.6 9.0 13.4



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





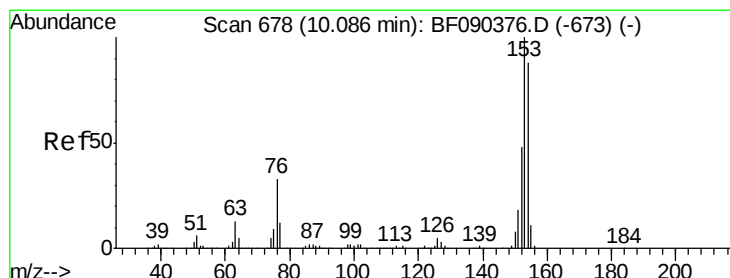
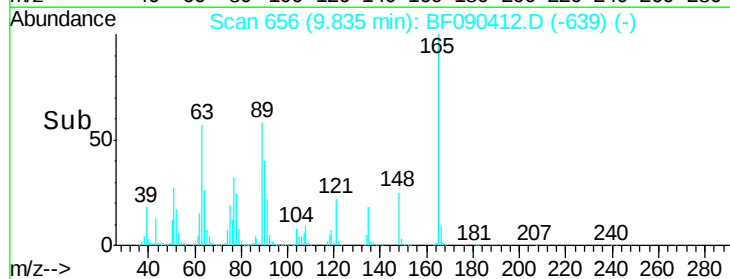
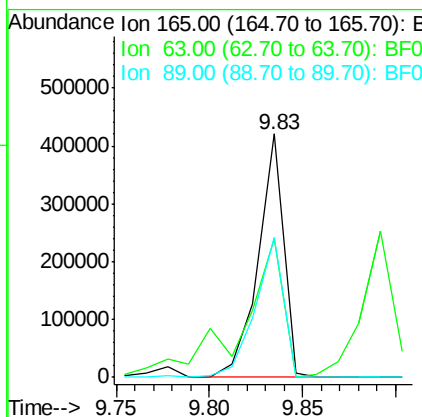
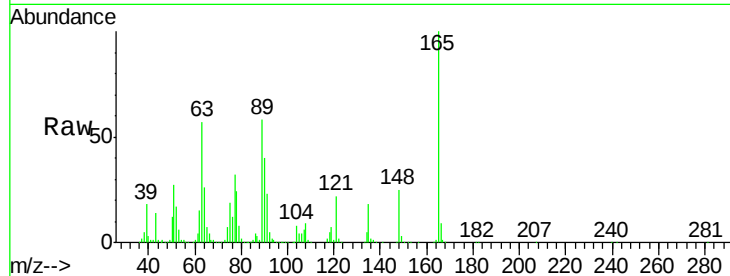
#50
2,6-Dinitrotoluene
Concen: 53.99 ng
RT: 9.83 min Scan# 656
Delta R.T. -0.00 min
Lab File: BF090412.D
Acq: 6 Oct 2016 6:12

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	396149		
63	56.8	58.0	87.0#	
89	57.6	51.2	76.8	

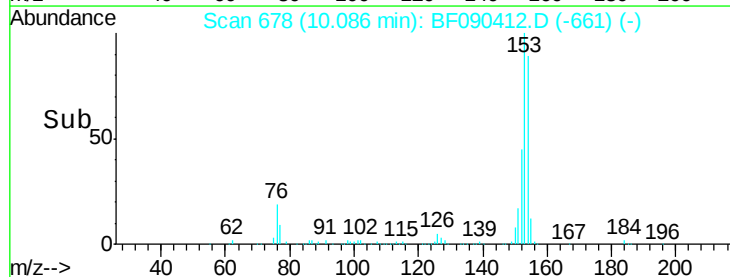
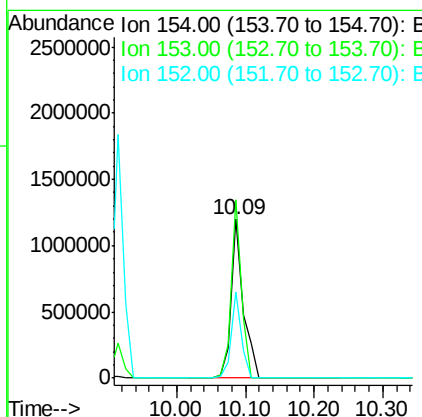
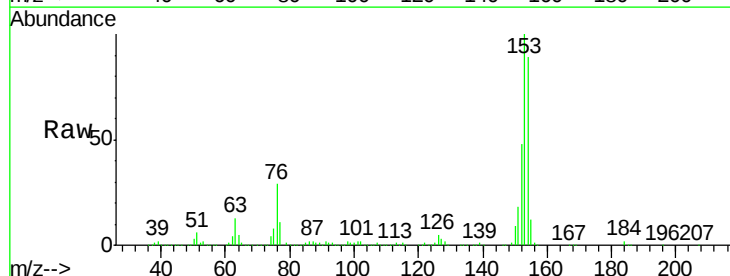
Manual Integrations
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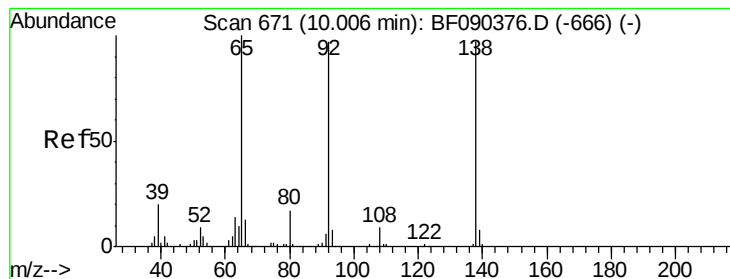
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#51
Acenaphthene
Concen: 51.86 ng
RT: 10.09 min Scan# 678
Delta R.T. -0.00 min
Lab File: BF090412.D
Acq: 6 Oct 2016 6:12

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	1507341		
153	112.5	88.6	133.0	
152	54.5	42.6	64.0	





#52

3-Nitroaniline

Concen: 9.07 ng

RT: 9.99 min Scan# 670

Delta R.T. -0.01 min

Lab File: BF090412.D

Acq: 6 Oct 2016 6:12

Instrument :

BNA_F

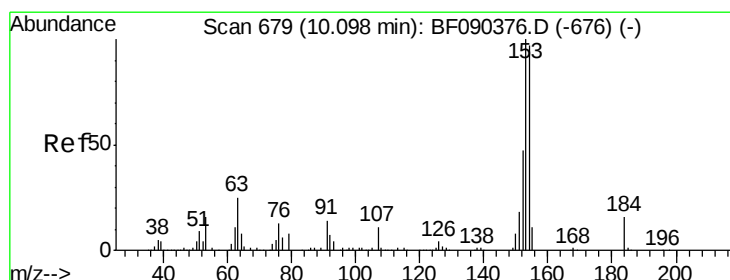
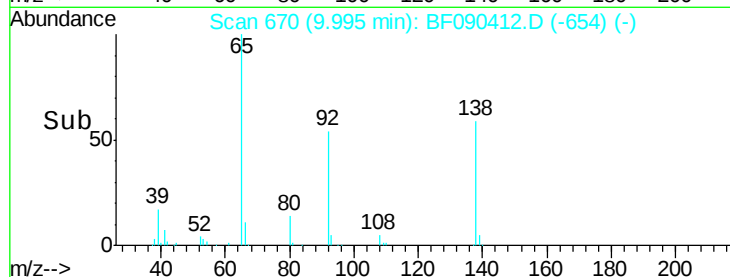
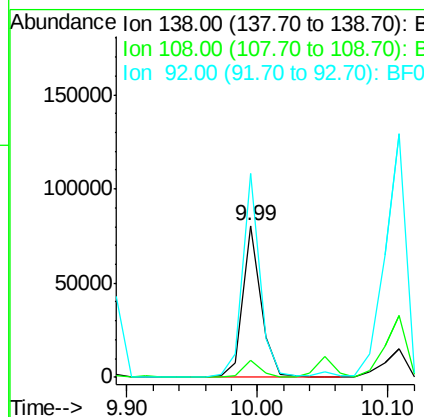
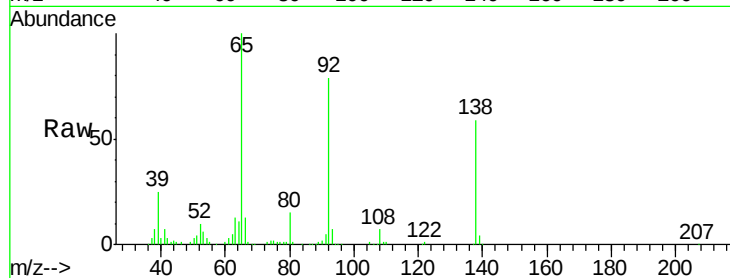
ClientSampleId :

CHA-STA-1698-D(0-2)MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	11.4	9.7	14.5
92	134.7	97.1	145.7

Manual Integrations
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#53

2,4-Dinitrophenol

Concen: 141.55 ng

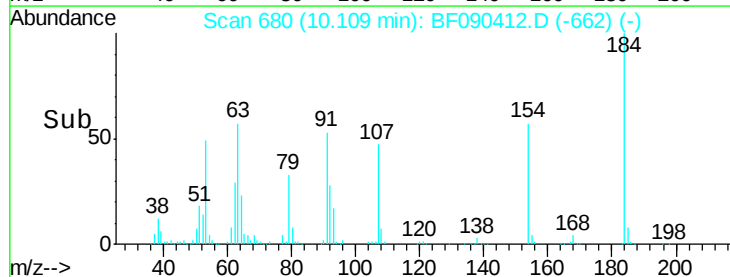
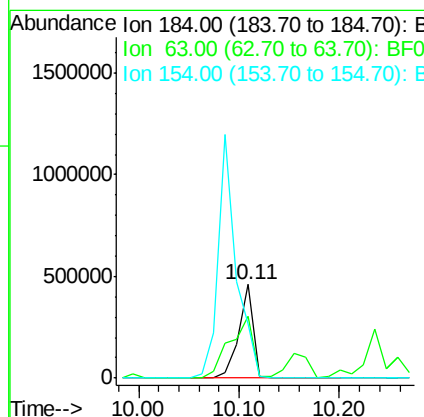
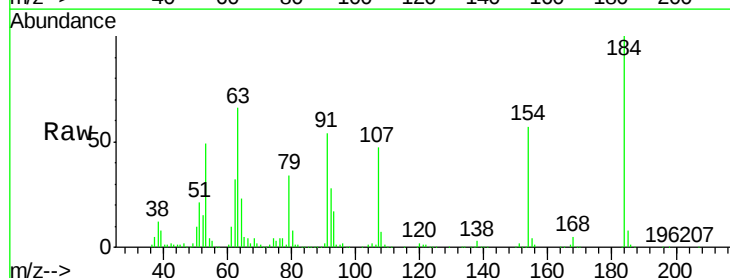
RT: 10.11 min Scan# 680

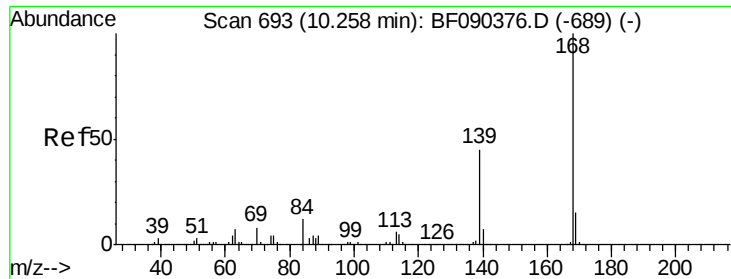
Delta R.T. 0.01 min

Lab File: BF090412.D

Acq: 6 Oct 2016 6:12

Tgt Ion	Ratio	Lower	Upper
184	100		
63	66.4	41.9	62.9#
154	57.4	48.9	73.3





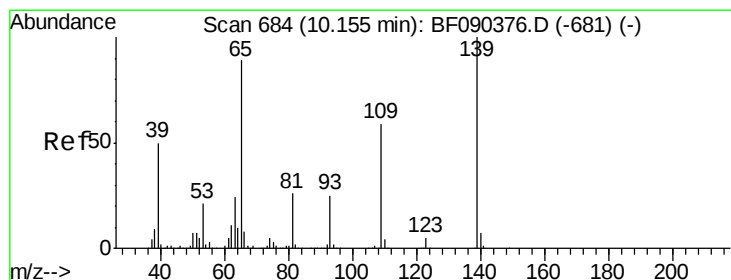
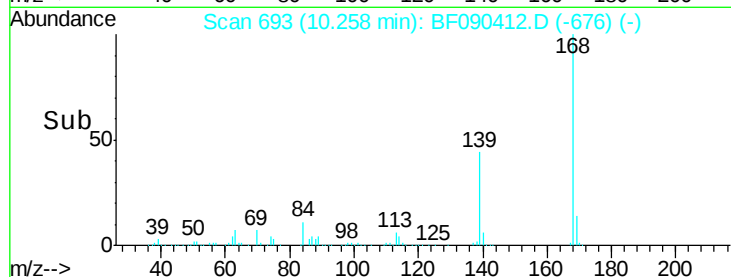
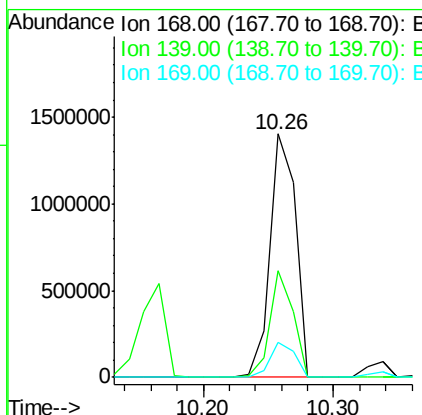
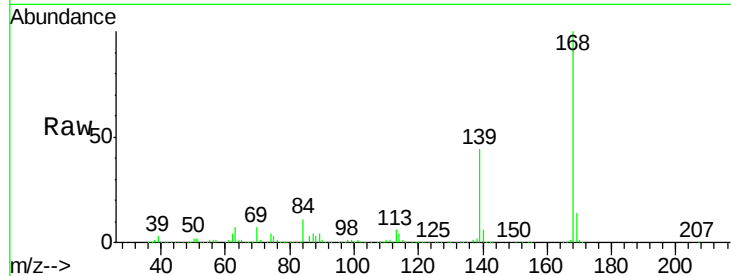
#54
Dibenzofuran
Concen: 51.37 ng
RT: 10.26 min Scan# 693
Delta R.T. -0.00 min
Lab File: BF090412.D
Acq: 6 Oct 2016 6:12

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	43.7	29.6	44.4
169	14.4	11.3	16.9

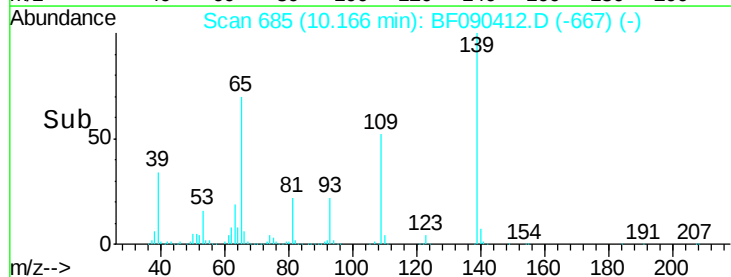
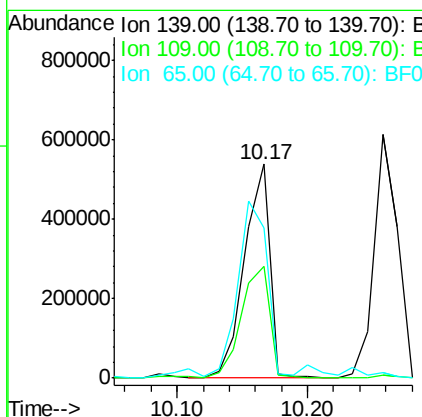
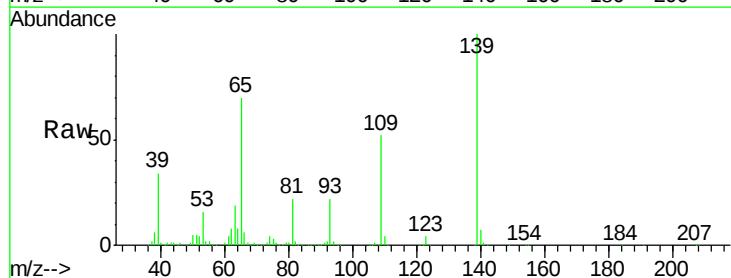
Manual Integrations
APPROVED

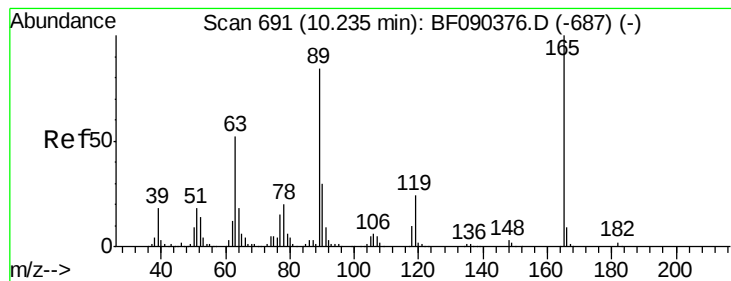
SOHIL
10/6/2016 5:26:42 PM



#55
4-Nitrophenol
Concen: 96.18 ng
RT: 10.17 min Scan# 685
Delta R.T. 0.01 min
Lab File: BF090412.D
Acq: 6 Oct 2016 6:12

Tgt Ion	Ratio	Lower	Upper
139	100		
109	52.5	43.6	83.6
65	70.3	87.5	127.5#





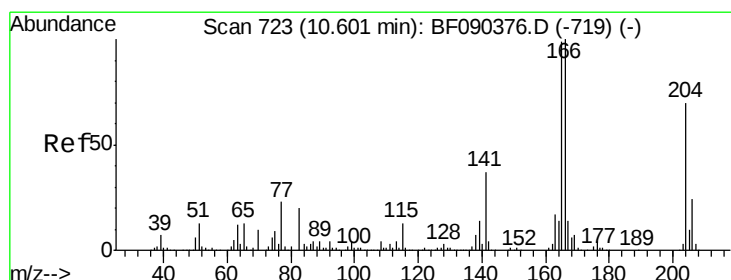
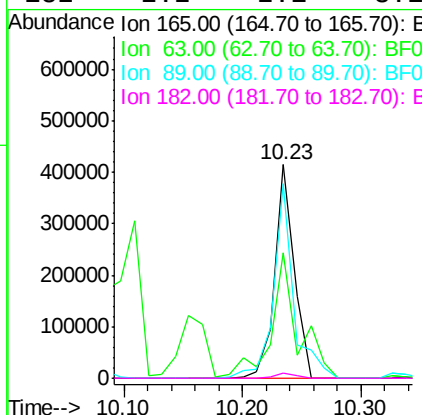
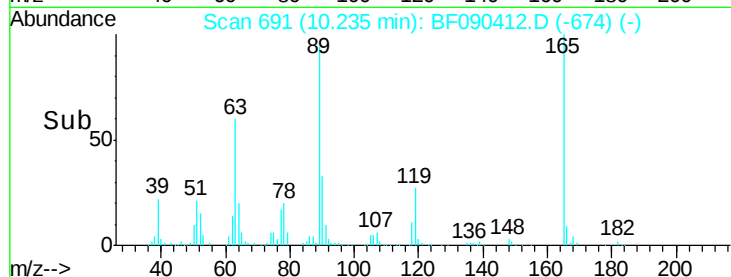
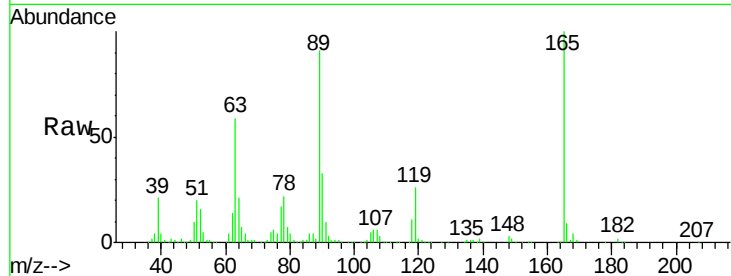
#56
2,4-Dinitrotoluene
Concen: 48.20 ng
RT: 10.23 min Scan# 691
Delta R.T. -0.00 min
Lab File: BF090412.D
Acq: 6 Oct 2016 6:12

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	470722		
63	58.7	17.8	26.6#	
89	91.3	33.2	49.8#	
182	2.2	2.1	3.1	

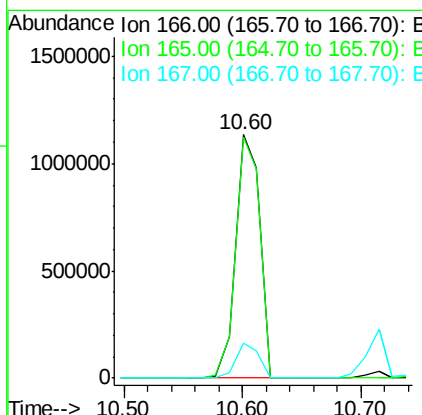
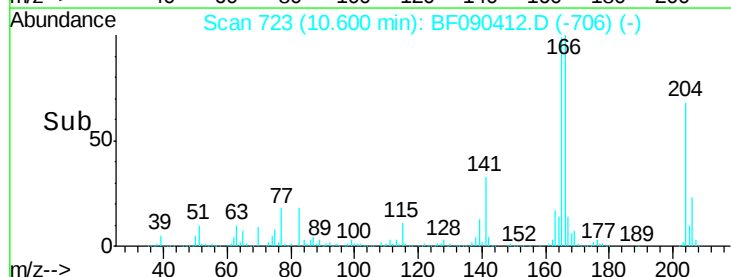
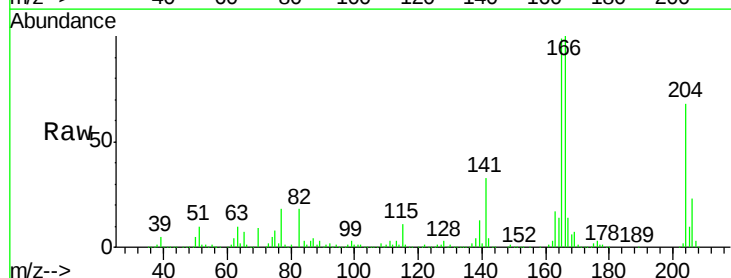
Manual Integrations
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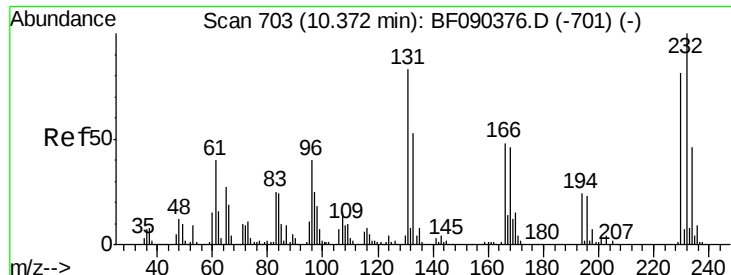
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#57
Fluorene
Concen: 50.52 ng
RT: 10.60 min Scan# 723
Delta R.T. -0.00 min
Lab File: BF090412.D
Acq: 6 Oct 2016 6:12

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	1597306		
165	99.1	79.2	118.8	
167	14.3	11.1	16.7	





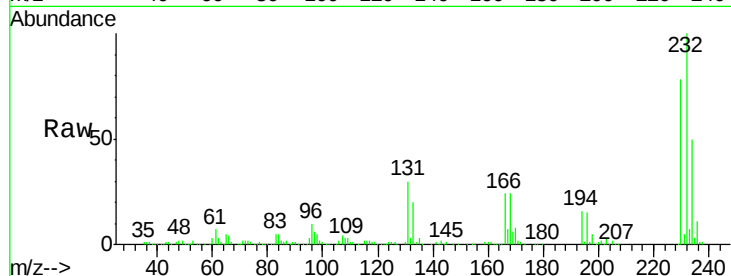
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 54.93 ng/ml
 RT: 10.38 min Scan# 704
 Delta R.T. 0.01 min
 Lab File: BF090412.D
 Acq: 6 Oct 2016 6:12

Instrument :
 BNA_F
 ClientSampleId :
 CHA-STA-1698-D(0-2)MSD

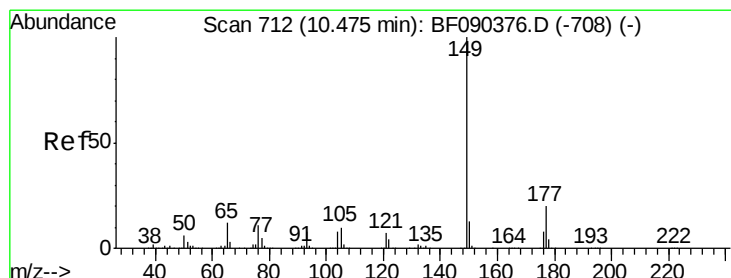
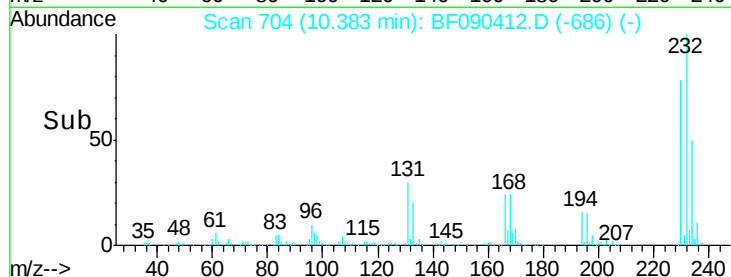
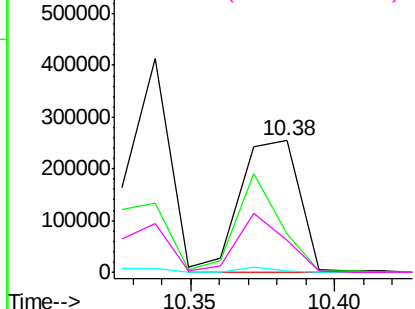
Tot Ion	Ratio	Lower	Upper
232	100		
131	50.9	34.5	51.7
130	2.7	1.6	2.4
166	31.4	23.8	35.8

Manual Integrations
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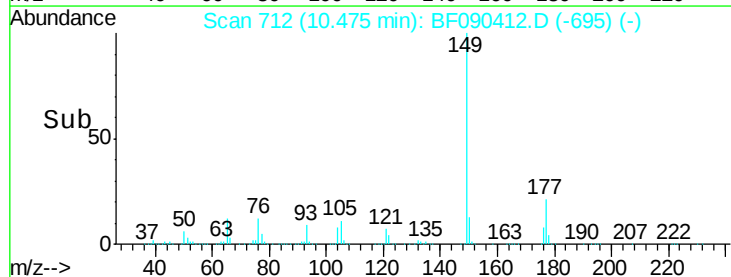
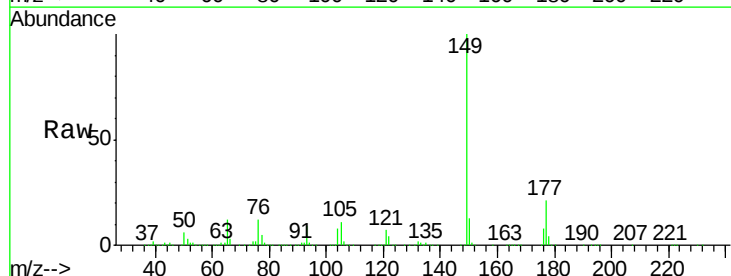
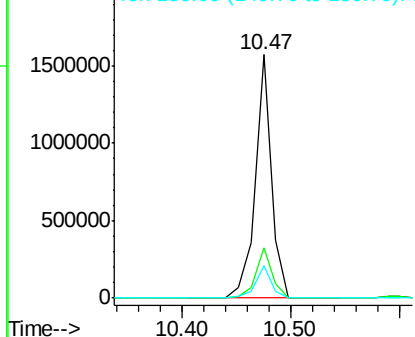
Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

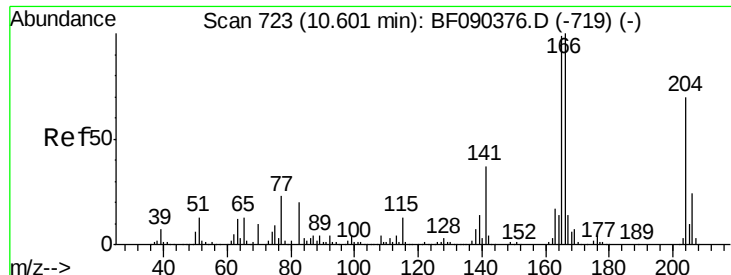


#59
 Diethylphthalate
 Concen: 47.58 ng
 RT: 10.47 min Scan# 712
 Delta R.T. -0.00 min
 Lab File: BF090412.D
 Acq: 6 Oct 2016 6:12

Tgt Ion	Ratio	Lower	Upper
149	100		
177	20.8	21.1	31.7
150	13.2	10.2	15.2

Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 177.00 (176.70 to 177.70): E
 Ion 150.00 (149.70 to 150.70): E





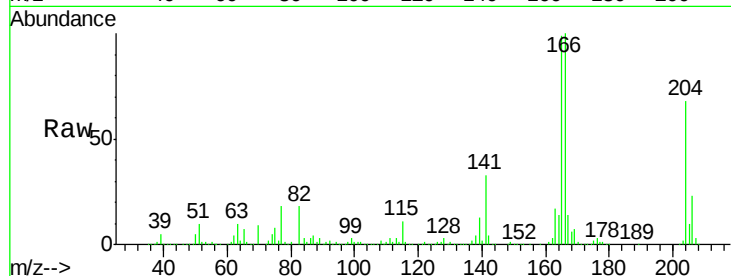
#60
 4-Chlorophenyl-phenylether
 Concen: 55.74 ng
 RT: 10.60 min Scan# 723
 Delta R.T. -0.00 min
 Lab File: BF090412.D
 Acq: 6 Oct 2016 6:12

Instrument :
 BNA_F
 ClientSampleId :
 CHA-STA-1698-D(0-2)MSD

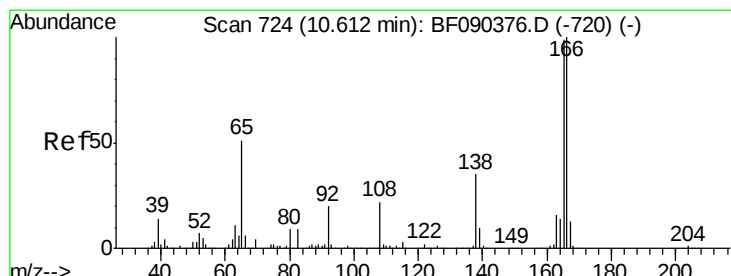
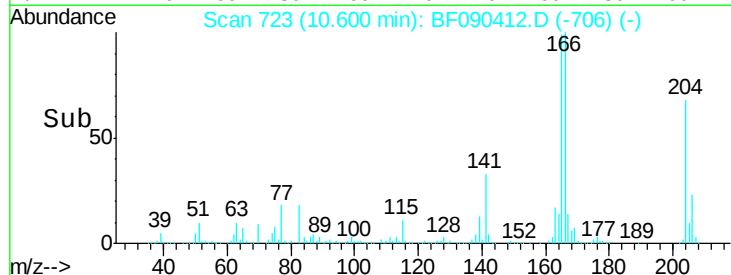
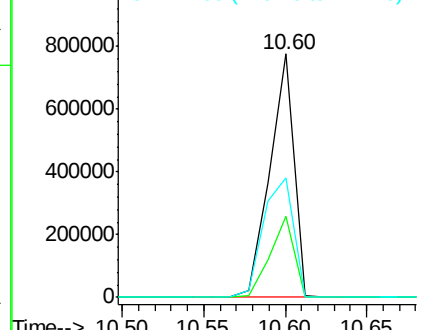
Tot Ion	Ratio	Resp Lower	Upper
204	100		
206	33.3	26.7	40.1
141	48.9	51.7	77.5#

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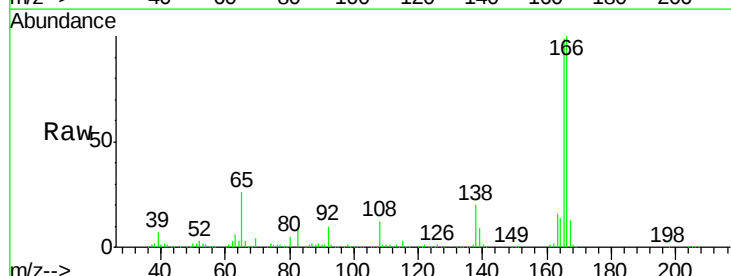


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

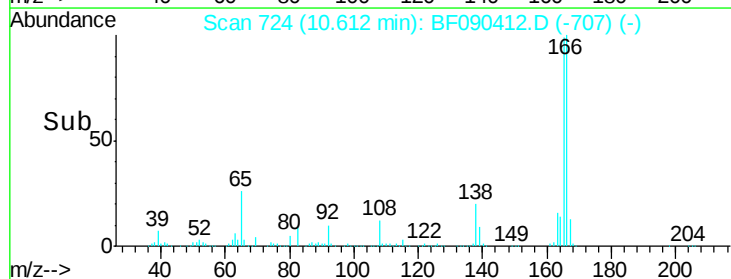
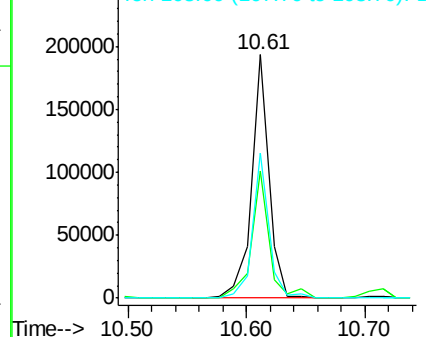


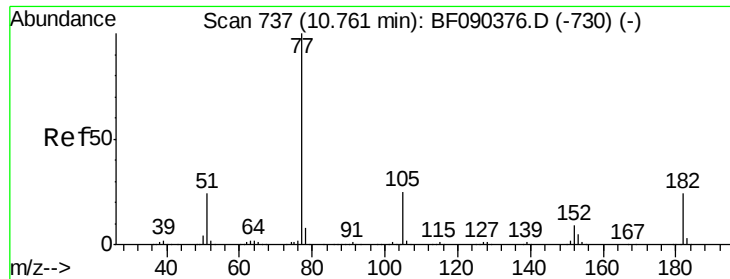
#61
 4-Nitroaniline
 Concen: 23.13 ng
 RT: 10.61 min Scan# 724
 Delta R.T. -0.00 min
 Lab File: BF090412.D
 Acq: 6 Oct 2016 6:12

Tgt Ion	Ratio	Resp Lower	Upper
138	100		
92	52.5	33.2	73.2
108	59.8	48.5	88.5



Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 92.00 (91.70 to 92.70): BF0
 Ion 108.00 (107.70 to 108.70): E





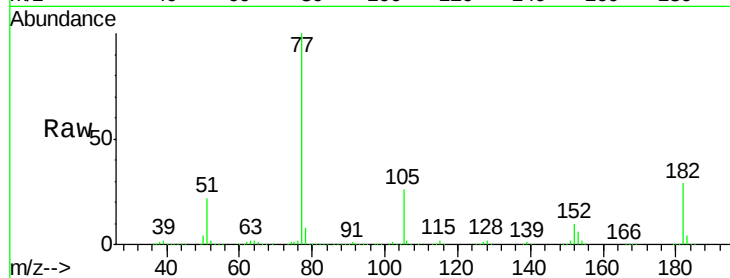
#62
Azobenzene
Concen: 50.92 ng
RT: 10.76 min Scan# 737
Delta R.T. -0.00 min
Lab File: BF090412.D
Acq: 6 Oct 2016 6:12

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)MSD

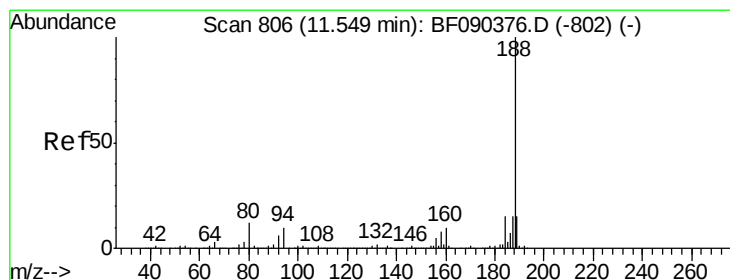
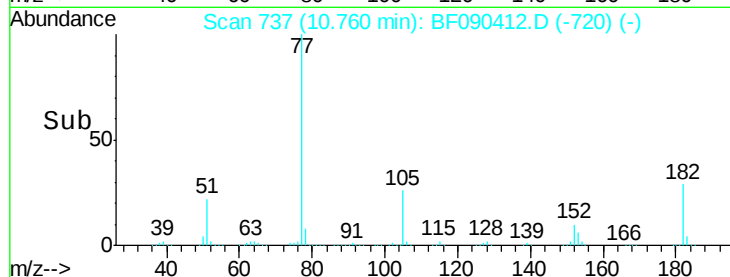
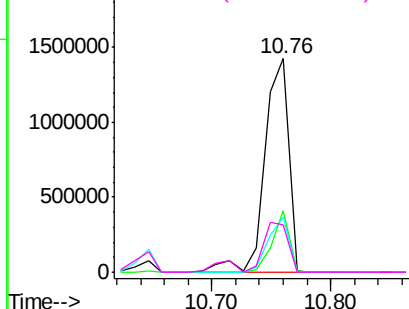
Tot Ion: 77 Resp: 2010960
Ion Ratio Lower Upper
77 100
182 29.0 3.2 43.2
105 25.7 2.9 42.9
51 22.4 14.2 54.2

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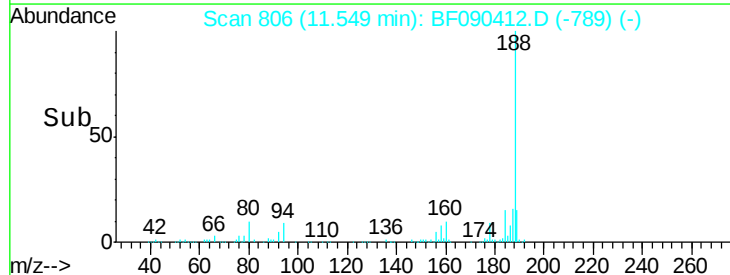
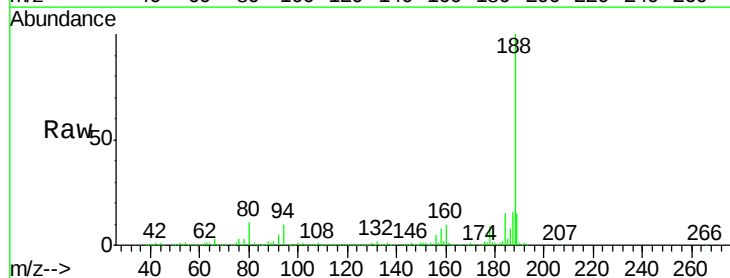
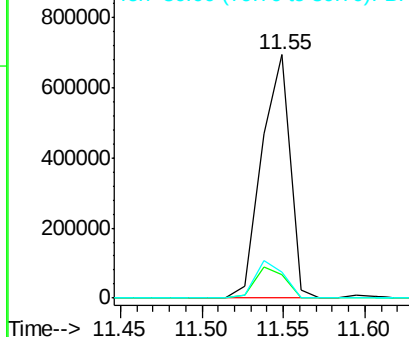
Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF0

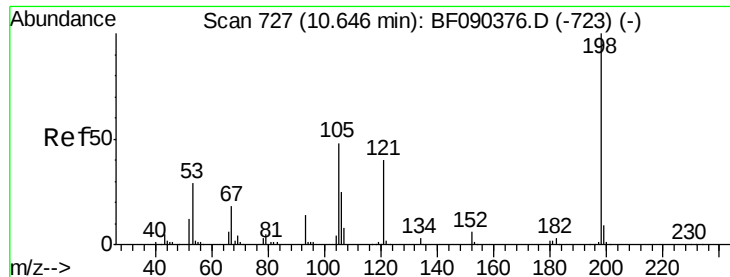


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.55 min Scan# 806
Delta R.T. -0.00 min
Lab File: BF090412.D
Acq: 6 Oct 2016 6:12

Tgt Ion: 188 Resp: 836527
Ion Ratio Lower Upper
188 100
94 9.7 8.2 12.2
80 10.6 8.8 13.2

Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





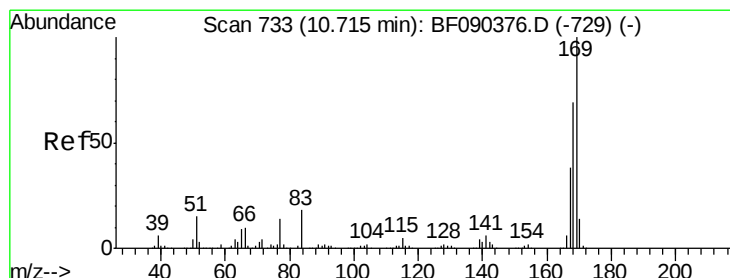
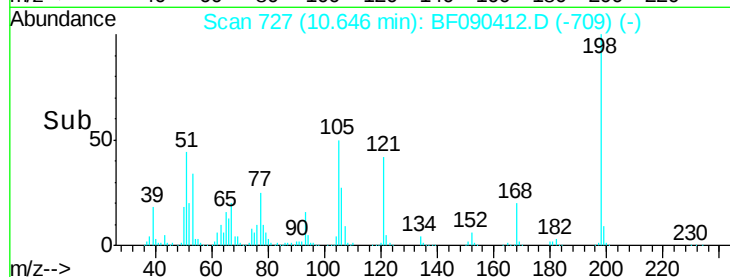
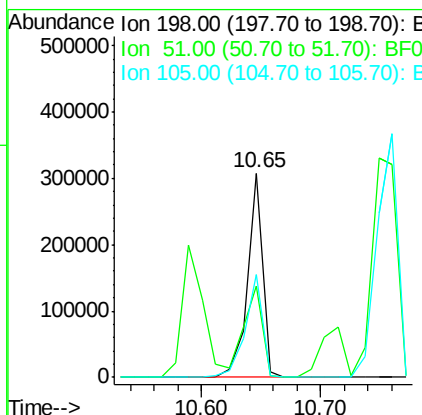
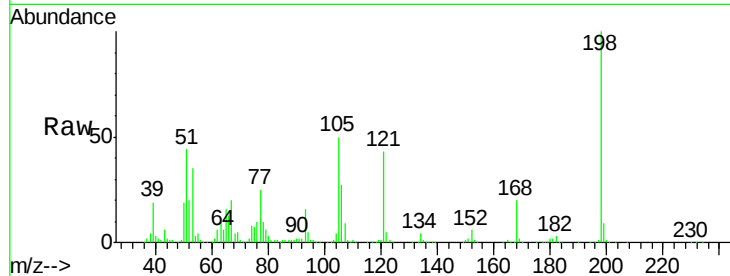
#64
4,6-Dinitro-2-methylphenol
Concen: 48.79 ng
RT: 10.65 min Scan# 727
Delta R.T. 0.00 min
Lab File: BF090412.D
Acq: 6 Oct 2016 6:12

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)MSD

Tot Ion	Ratio	Resp	Lower	Upper
198	100	276098		
51	44.5	67.3	107.3#	
105	50.4	42.6	82.6	

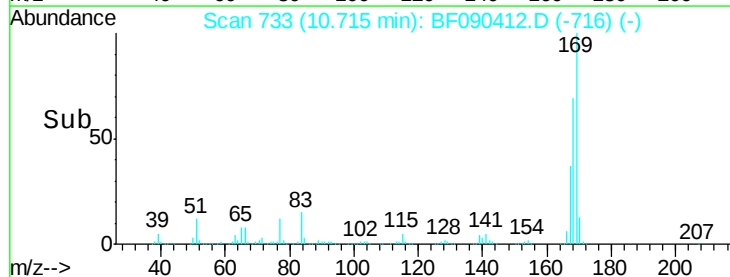
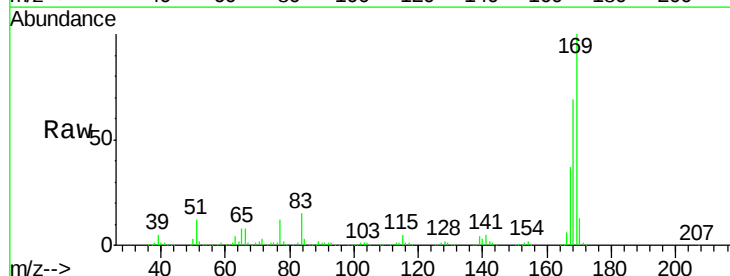
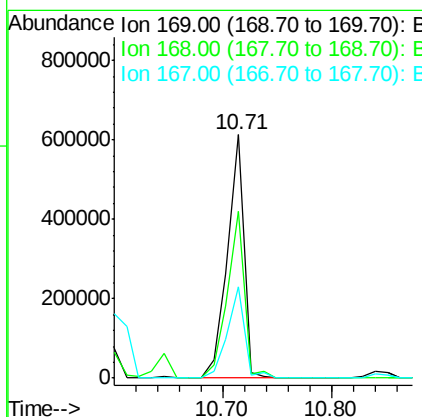
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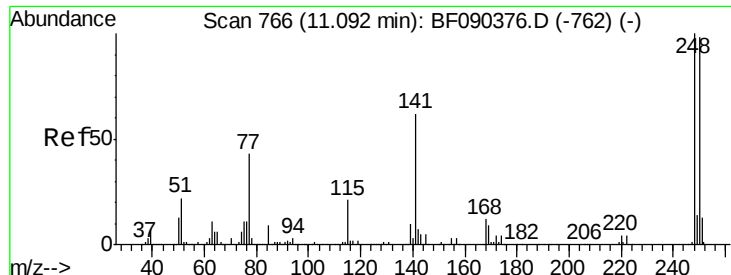
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#65
n-Nitrosodiphenylamine
Concen: 22.98 ng
RT: 10.71 min Scan# 733
Delta R.T. -0.00 min
Lab File: BF090412.D
Acq: 6 Oct 2016 6:12

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	644093		
168	68.5	53.8	80.6	
167	37.3	29.8	44.8	





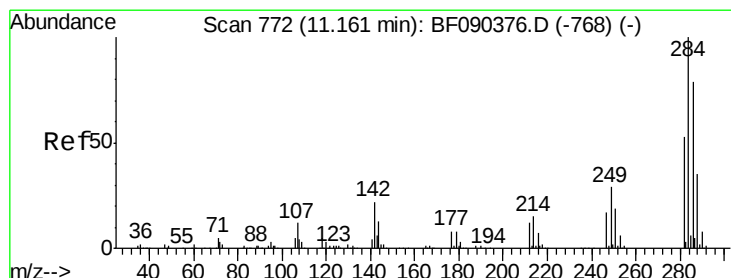
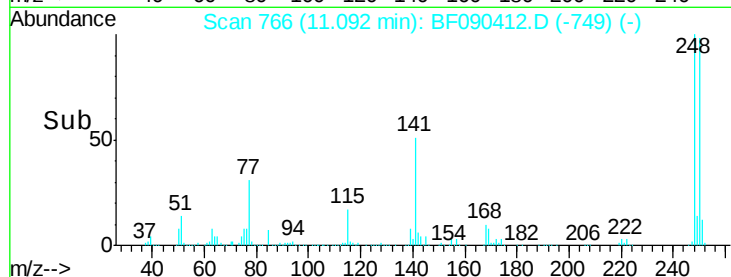
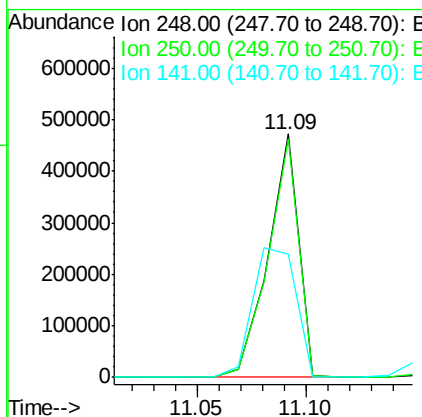
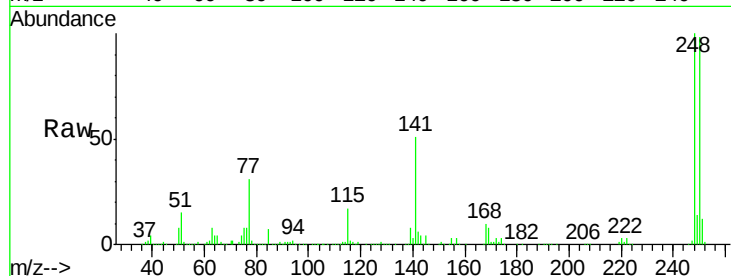
#66
 4-Bromophenyl-phenylether
 Concen: 56.70 ng
 RT: 11.09 min Scan# 766
 Delta R.T. -0.00 min
 Lab File: BF090412.D
 Acq: 6 Oct 2016 6:12

Instrument :
 BNA_F
 ClientSampleId :
 CHA-STA-1698-D(0-2)MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.9	76.5	114.7
141	50.7	59.8	89.6

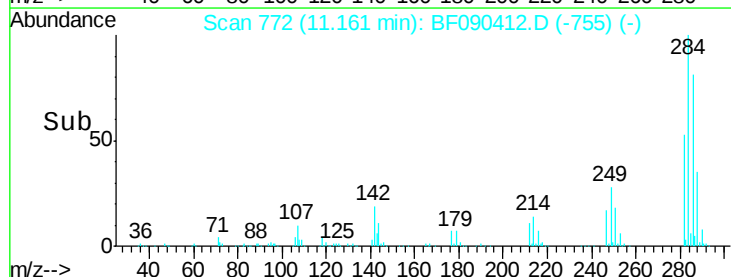
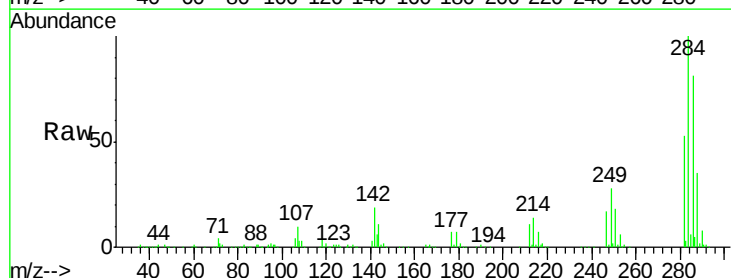
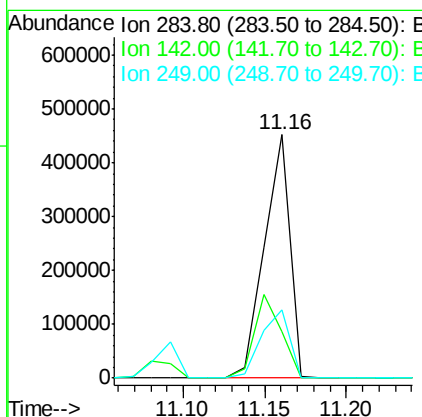
Manual Integrations
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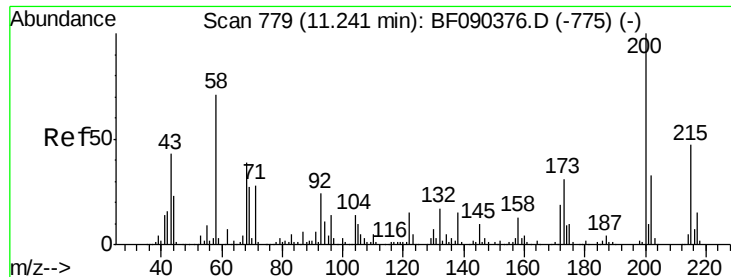
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#67
 Hexachlorobenzene
 Concen: 53.86 ng
 RT: 11.16 min Scan# 772
 Delta R.T. -0.00 min
 Lab File: BF090412.D
 Acq: 6 Oct 2016 6:12

Tgt Ion	Ratio	Lower	Upper
284	100		
142	19.3	23.1	34.7
249	28.2	26.3	39.5





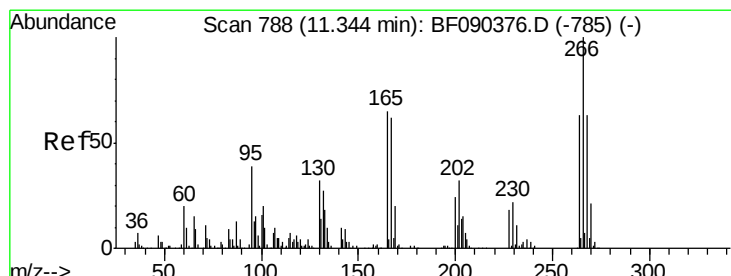
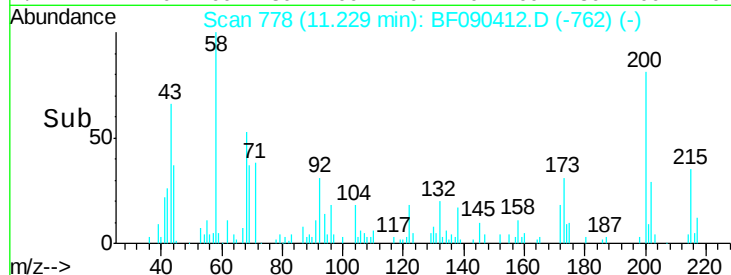
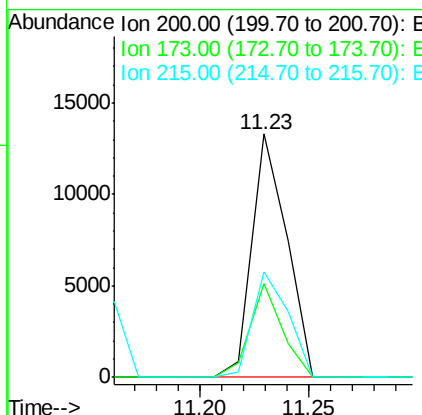
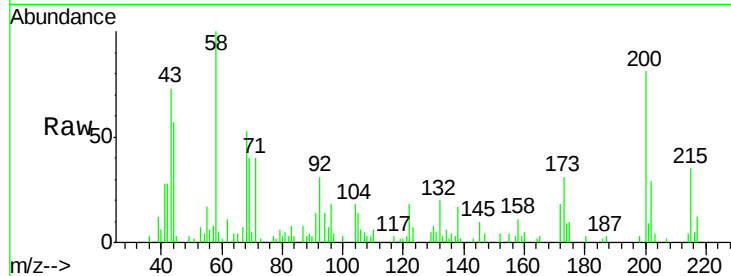
#68
Atrazine
Concen: 2.15 ng
RT: 11.23 min Scan# 778
Delta R.T. -0.01 min
Lab File: BF090412.D
Acq: 6 Oct 2016 6:12

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)MSD

Tot Ion	Ratio	Lower	Upper
200	100		
173	38.6	9.0	49.0
215	43.5	24.8	64.8

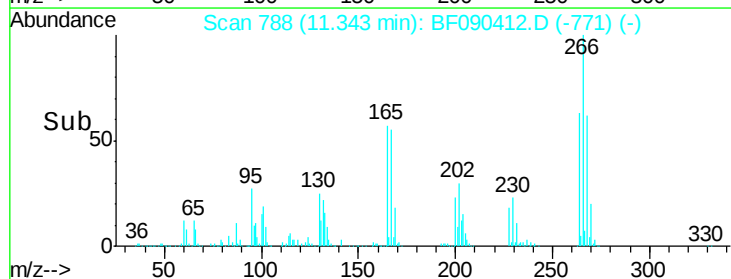
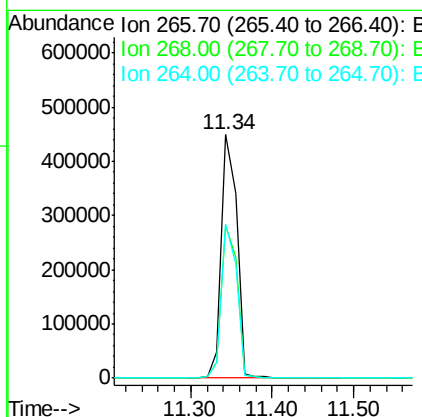
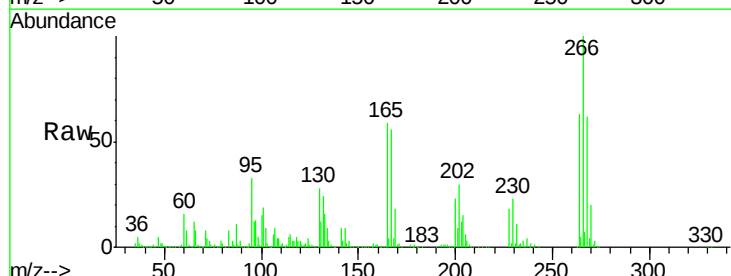
Manual Integrations
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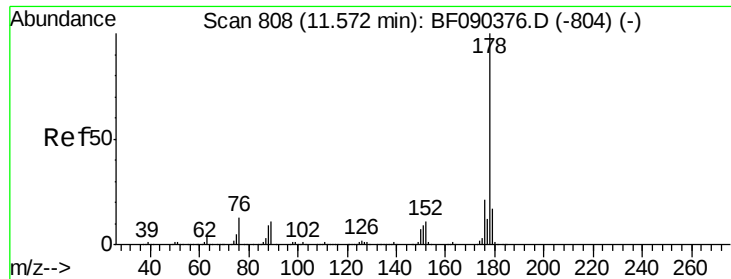
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#69
Pentachlorophenol
Concen: 109.09 ng
RT: 11.34 min Scan# 788
Delta R.T. -0.00 min
Lab File: BF090412.D
Acq: 6 Oct 2016 6:12

Tgt Ion	Ratio	Lower	Upper
266	100		
268	62.5	50.9	76.3
264	63.4	51.5	77.3





#70

Phenanthrene

Concen: 53.18 ng

RT: 11.57 min Scan# 808

Delta R.T. -0.00 min

Lab File: BF090412.D

Acq: 6 Oct 2016 6:12

Instrument :

BNA_F

ClientSampleId :

CHA-STA-1698-D(0-2)MSD

Tot Ion:178 Resp: 2277925

Ion Ratio Lower Upper

178 100

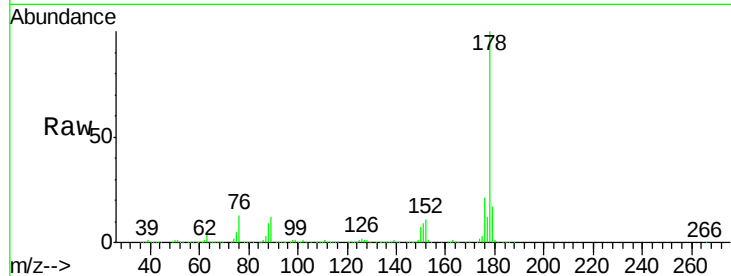
176 21.4 17.3 25.9

179 16.8 13.8 20.6

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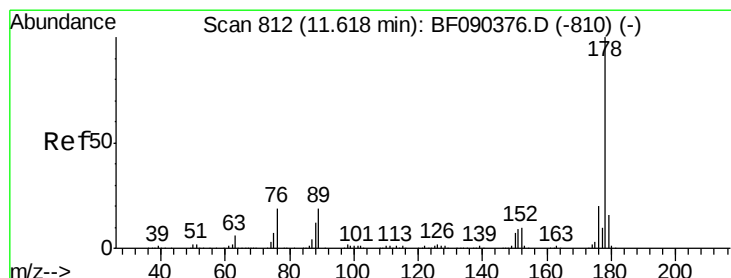
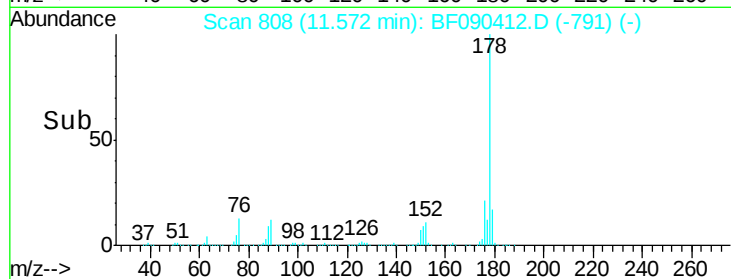
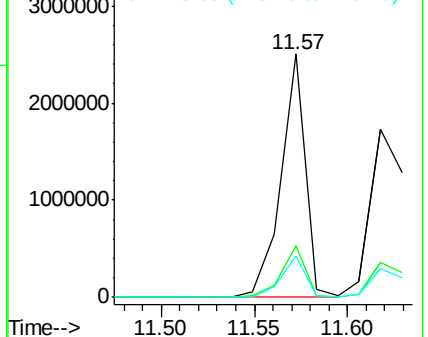
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 50.28 ng

RT: 11.62 min Scan# 812

Delta R.T. -0.00 min

Lab File: BF090412.D

Acq: 6 Oct 2016 6:12

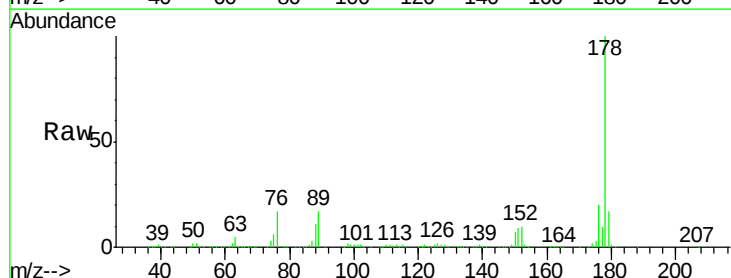
Tgt Ion:178 Resp: 2199267

Ion Ratio Lower Upper

178 100

176 20.4 16.8 25.2

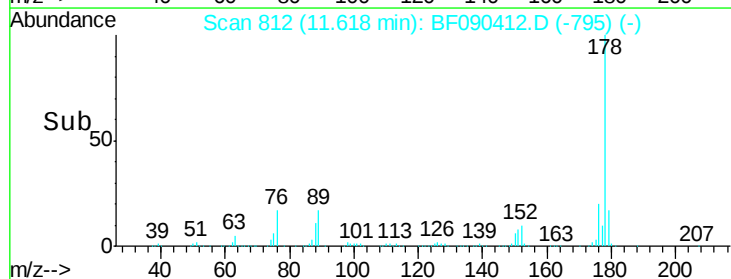
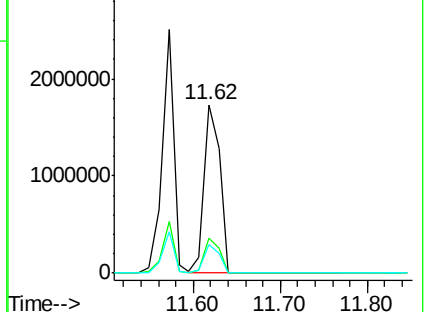
179 16.7 13.4 20.2

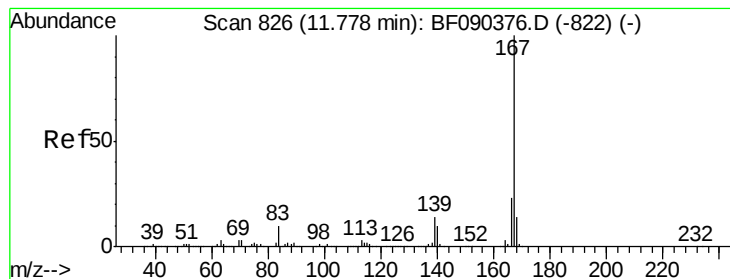


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 17.36 ng

RT: 11.77 min Scan# 825

Delta R.T. -0.01 min

Lab File: BF090412.D

Acq: 6 Oct 2016 6:12

Instrument :

BNA_F

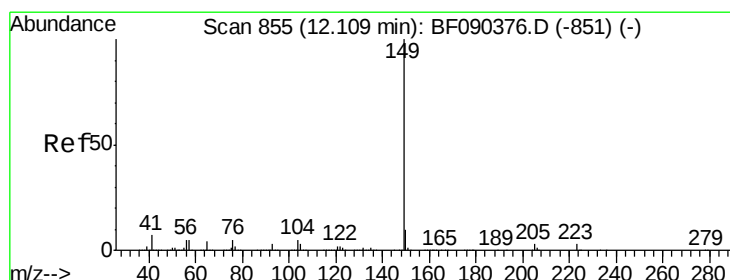
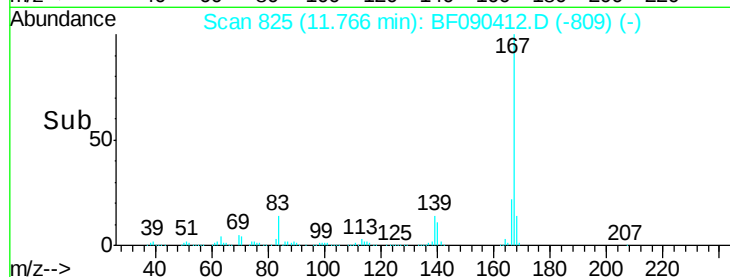
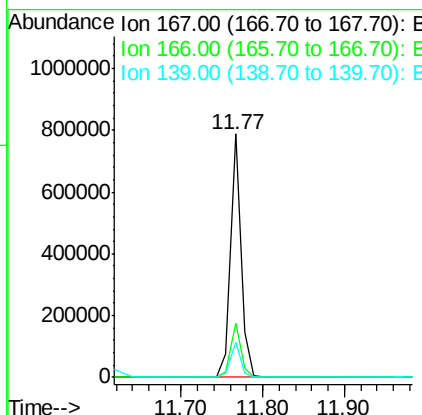
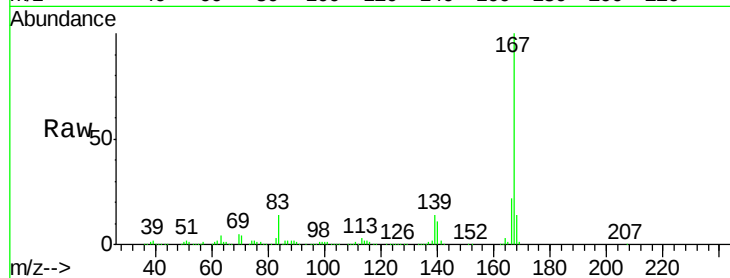
ClientSampleId :

CHA-STA-1698-D(0-2)MSD

Tot Ion:	167	Resp:	705682
Ion Ratio	Lower	Upper	
167	100		
166	22.1	19.1	28.7
139	14.4	12.1	18.1

Manual Integrations
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#73

Di-n-butylphthalate

Concen: 55.91 ng

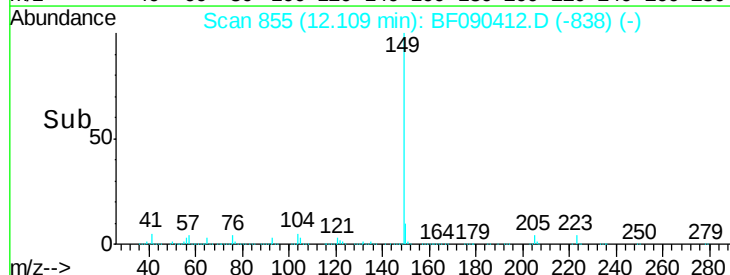
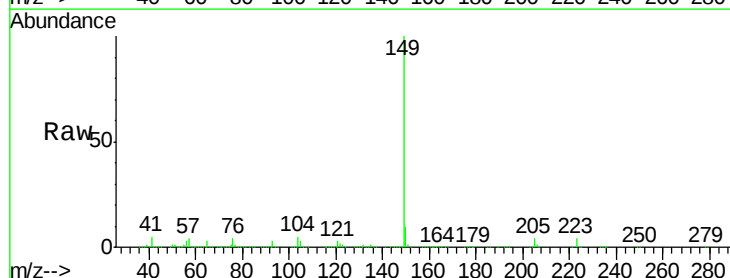
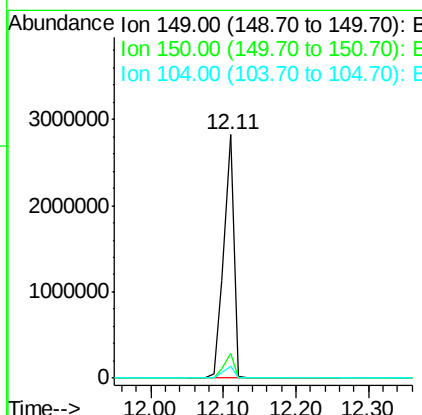
RT: 12.11 min Scan# 855

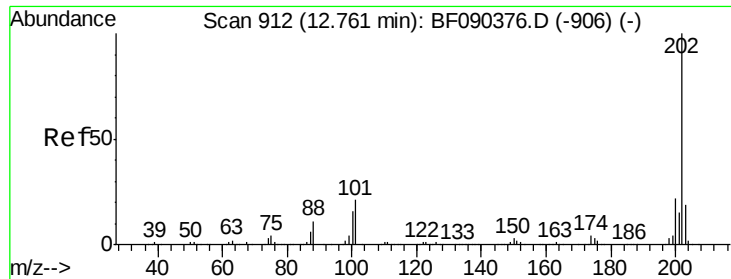
Delta R.T. -0.00 min

Lab File: BF090412.D

Acq: 6 Oct 2016 6:12

Tgt Ion:	149	Resp:	2765219
Ion Ratio	Lower	Upper	
149	100		
150	10.3	8.6	12.8
104	4.8	4.7	7.1





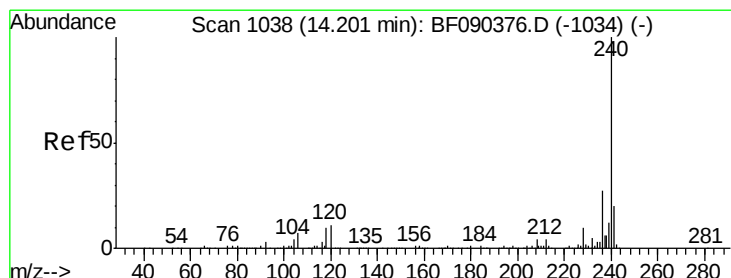
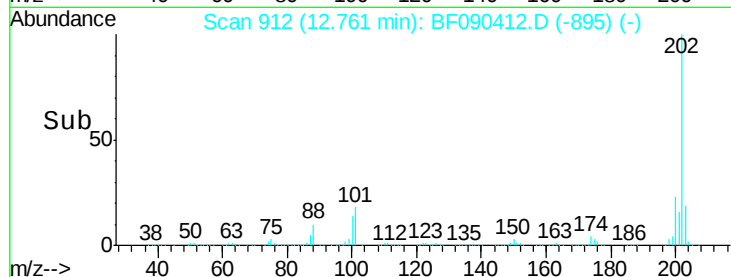
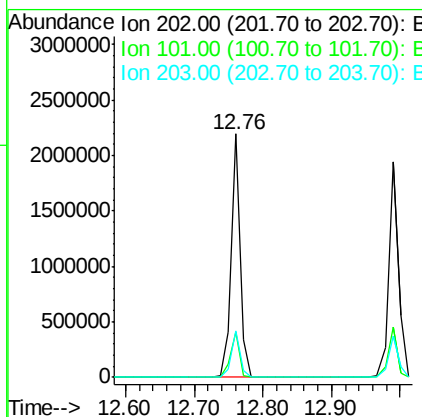
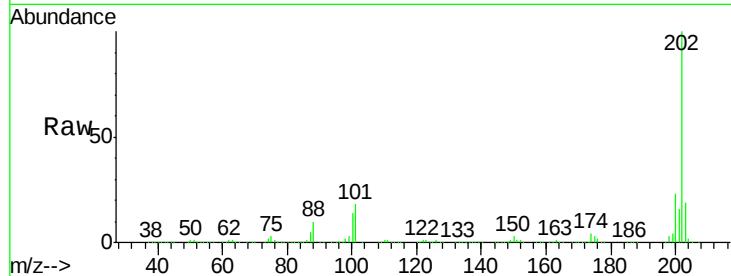
#74
Fluoranthene
 Concen: 48.53 ng
 RT: 12.76 min Scan# 912
 Delta R.T. -0.00 min
 Lab File: BF090412.D
 Acq: 6 Oct 2016 6:12

Instrument :
 BNA_F
 ClientSampleId :
 CHA-STA-1698-D(0-2)MSD

Tot Ion	Ratio	Lower	Upper
202	100		
101	18.4	0.0	37.2
203	19.2	0.0	39.3

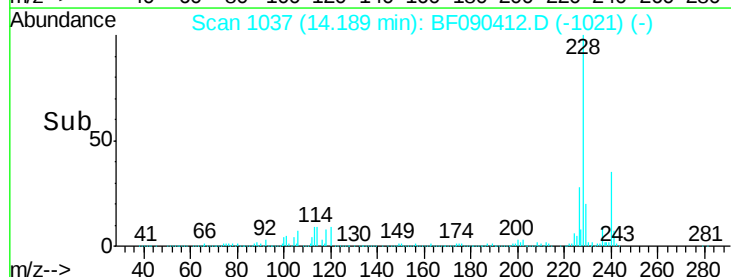
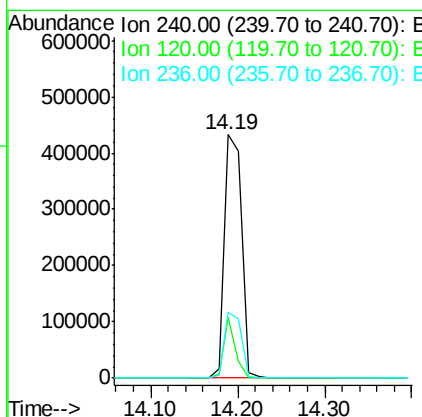
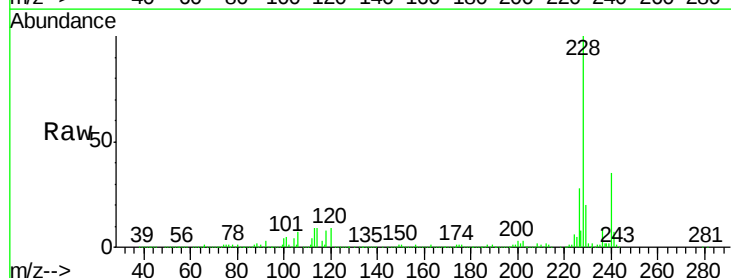
Manual Integrations
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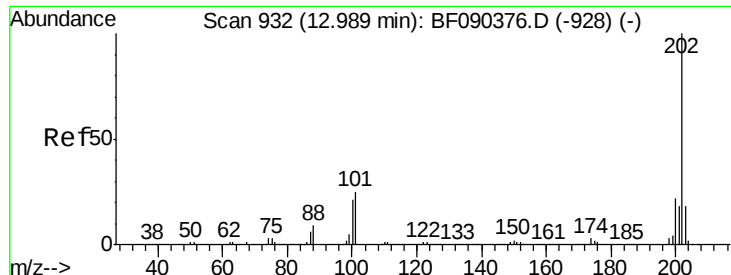
SOHIL
 10/6/2016 5:26:42 PM



#75
Chrysene-d12
 Concen: 20.00 ng
 RT: 14.19 min Scan# 1037
 Delta R.T. -0.01 min
 Lab File: BF090412.D
 Acq: 6 Oct 2016 6:12

Tgt Ion	Ratio	Lower	Upper
240	100		
120	24.9	8.6	13.0#
236	27.2	21.6	32.4





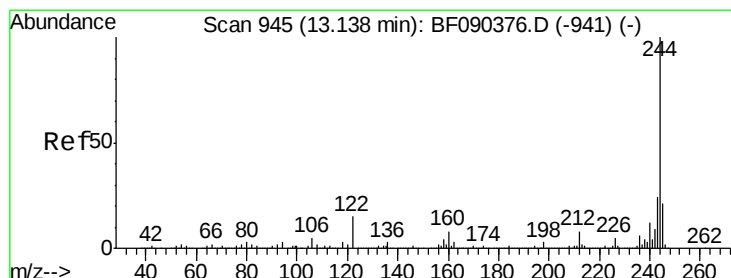
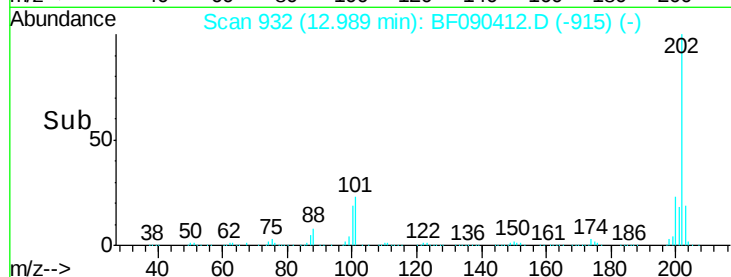
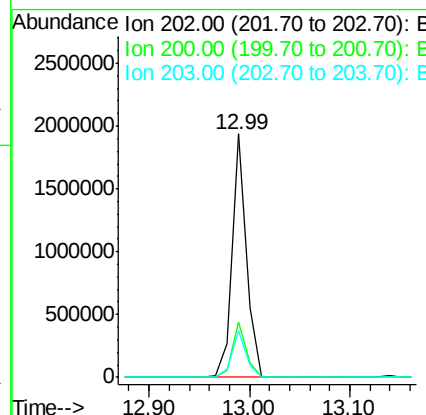
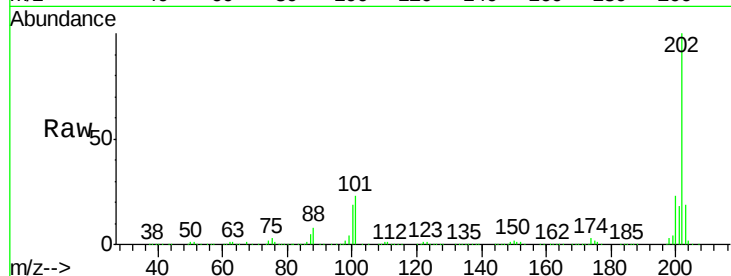
#77
Pvrene
Concen: 47.82 ng
RT: 12.99 min Scan# 932
Delta R.T. -0.00 min
Lab File: BF090412.D
Acq: 6 Oct 2016 6:12

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)MSD

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.7	18.5	27.7
203	19.0	15.0	22.6

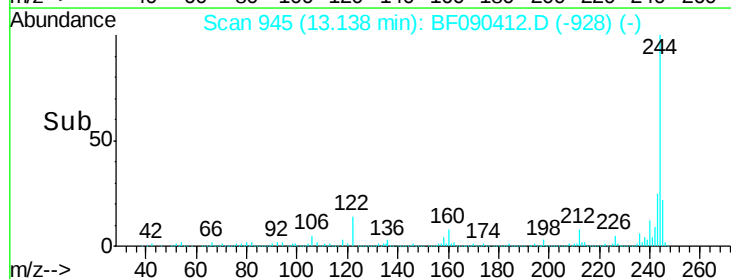
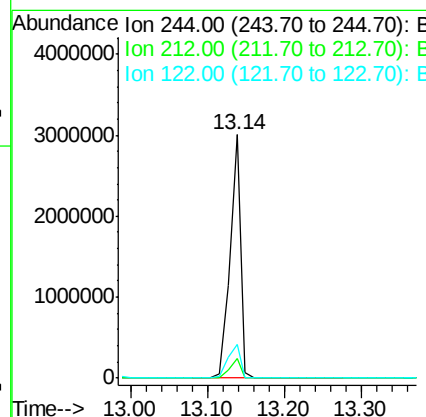
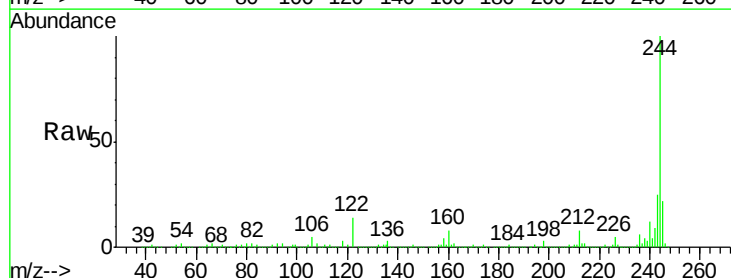
Manual Integrations
APPROVED

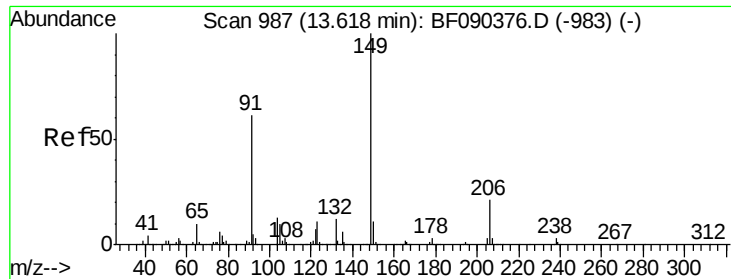
SOHIL
10/6/2016 5:26:42 PM



#78
Terphenyl-d14
Concen: 110.55 ng
RT: 13.14 min Scan# 945
Delta R.T. -0.00 min
Lab File: BF090412.D
Acq: 6 Oct 2016 6:12

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.8	10.2
122	13.8	13.3	19.9





#79

Butylbenzylphthalate

Concen: 50.03 ng

RT: 13.61 min Scan# 986

Delta R.T. -0.01 min

Lab File: BF090412.D

Acq: 6 Oct 2016 6:12

Instrument :

BNA_F

ClientSampleId :

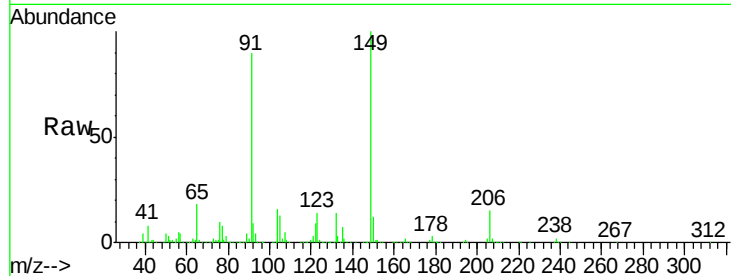
CHA-STA-1698-D(0-2)MSD

Tot Ion:149 Resp: 1024564

Ion	Ratio	Lower	Upper
149	100		
91	90.3	51.8	77.8#
206	15.0	18.0	27.0#

Manual Integrations
APPROVED

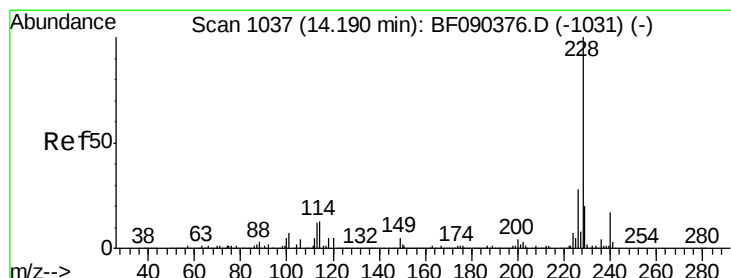
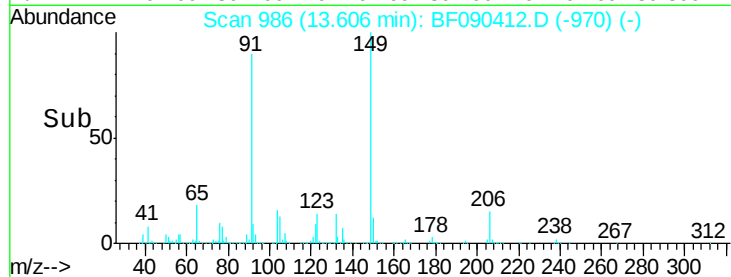
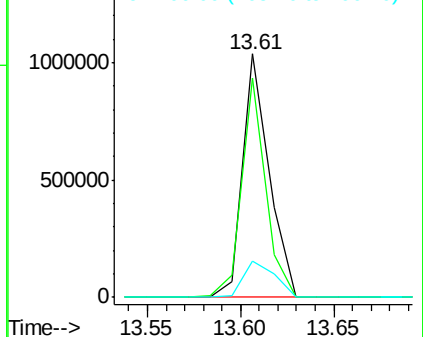
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 55.46 ng

RT: 14.18 min Scan# 1036

Delta R.T. -0.01 min

Lab File: BF090412.D

Acq: 6 Oct 2016 6:12

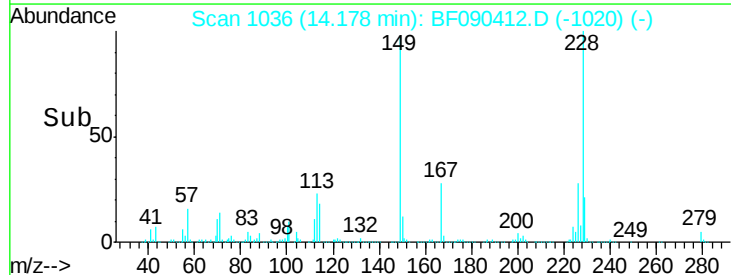
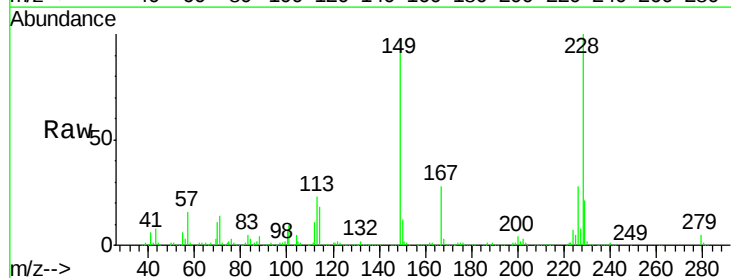
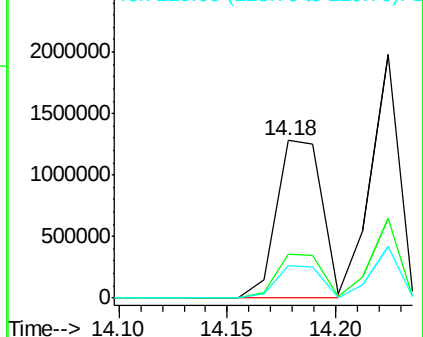
Tgt Ion:228 Resp: 1862304

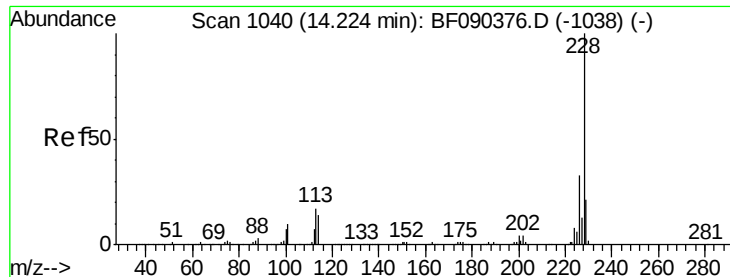
Ion	Ratio	Lower	Upper
228	100		
226	28.2	23.6	35.4
229	20.7	16.6	25.0

Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 57.72 ng

RT: 14.22 min Scan# 1040

Delta R.T. -0.00 min

Lab File: BF090412.D

Acq: 6 Oct 2016 6:12

Instrument :

BNA_F

ClientSampleId :

CHA-STA-1698-D(0-2)MSD

Tot Ion:228 Resp: 1783840

Ion Ratio Lower Upper

228 100

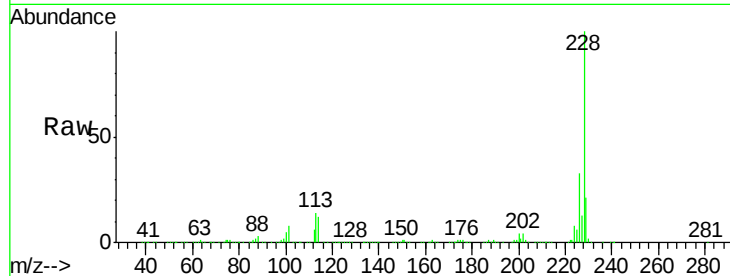
226 32.5 25.8 38.6

229 21.1 16.9 25.3

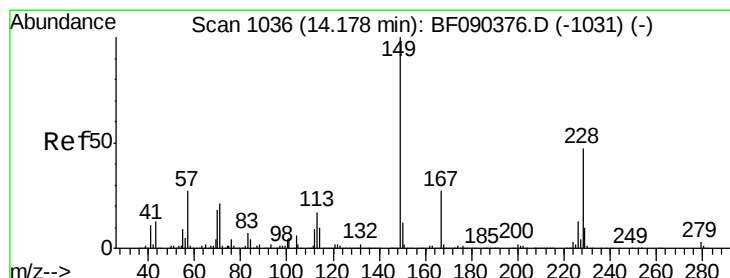
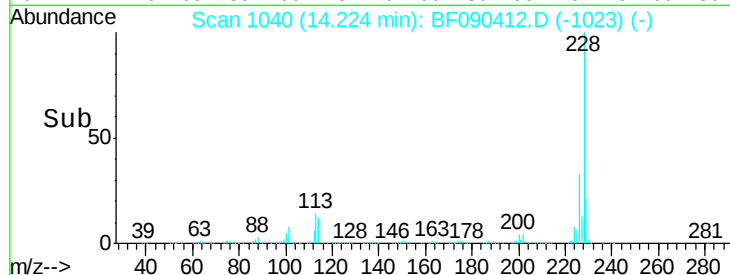
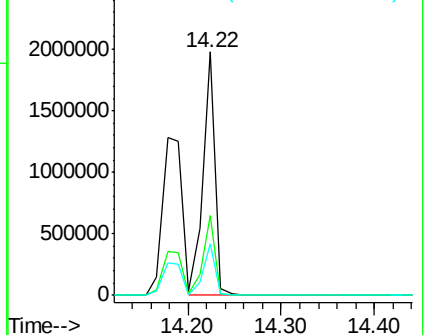
Manual Integrations
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 54.54 ng

RT: 14.18 min Scan# 1036

Delta R.T. -0.00 min

Lab File: BF090412.D

Acq: 6 Oct 2016 6:12

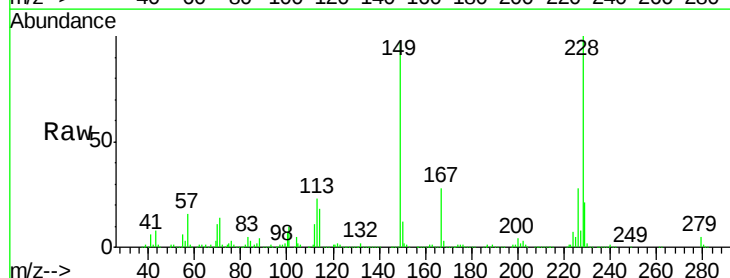
Tgt Ion:149 Resp: 1587561

Ion Ratio Lower Upper

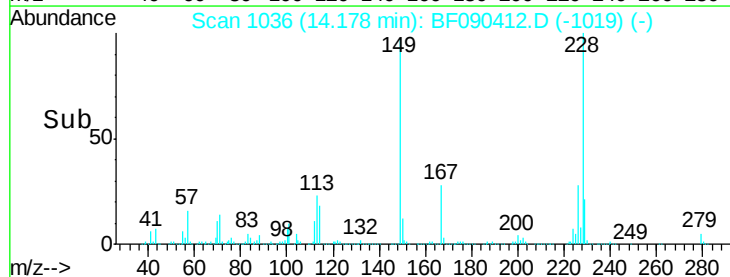
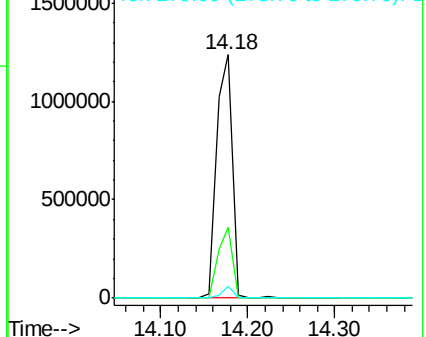
149 100

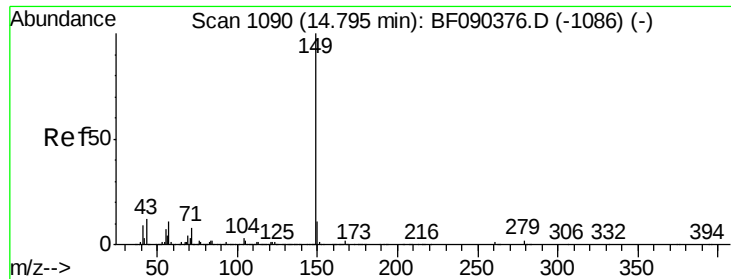
167 29.1 21.5 32.3

279 5.1 2.6 3.8#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 56.57 ng

RT: 14.80 min Scan# 1090

Delta R.T. -0.00 min

Lab File: BF090412.D

Acq: 6 Oct 2016 6:12

Instrument :

BNA_F

ClientSampleId :

CHA-STA-1698-D(0-2)MSD

Tot Ion:149 Resp: 2441091

Ion Ratio Lower Upper

149 100

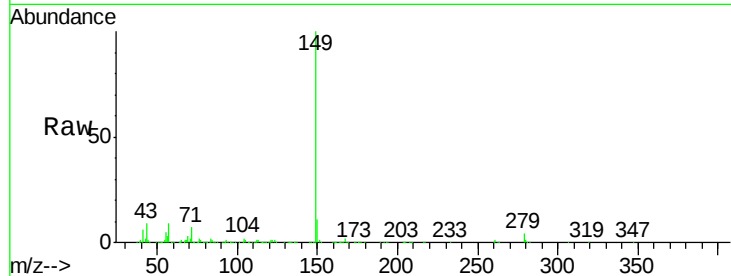
167 1.6 1.3 1.9

43 11.1 11.8 17.8#

Manual Integrations
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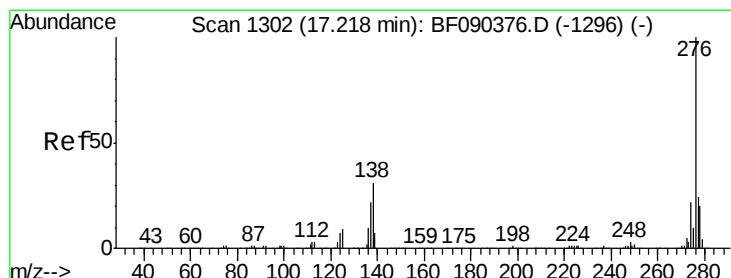
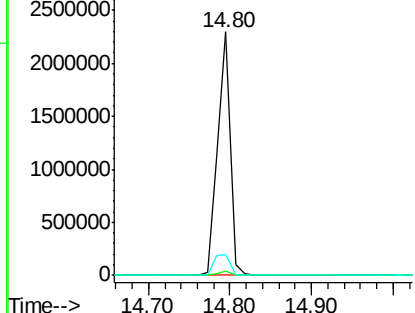
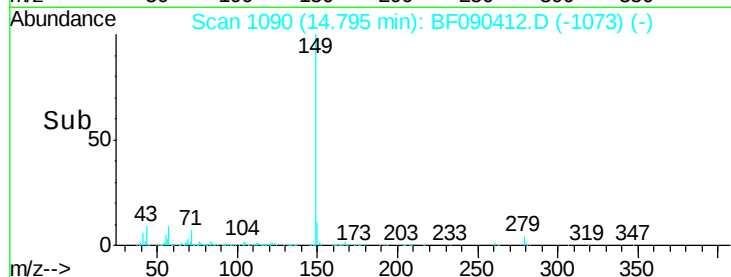
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



#85

Indeno(1,2,3-cd)pyrene

Concen: 51.55 ng

RT: 17.22 min Scan# 1302

Delta R.T. -0.00 min

Lab File: BF090412.D

Acq: 6 Oct 2016 6:12

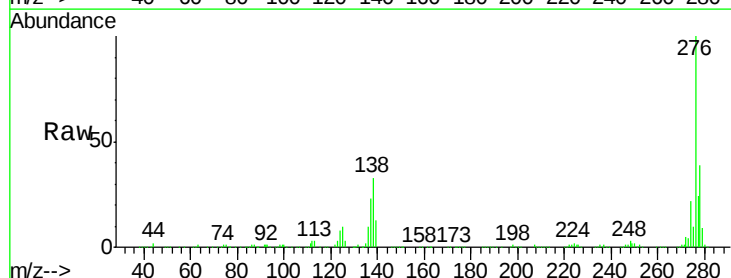
Tgt Ion:276 Resp: 1136012

Ion Ratio Lower Upper

276 100

138 36.9 23.8 35.8#

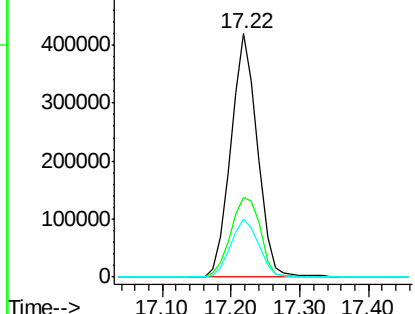
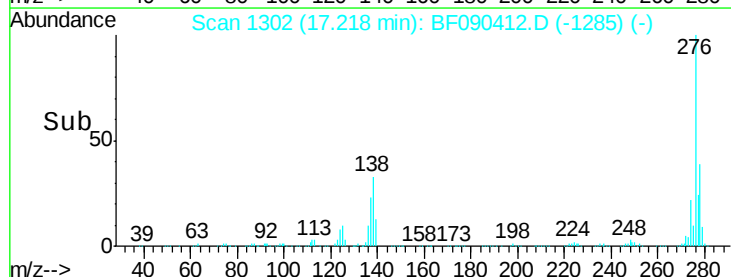
277 25.1 20.4 30.6

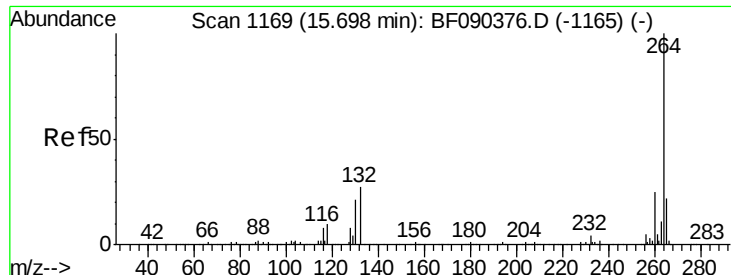


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





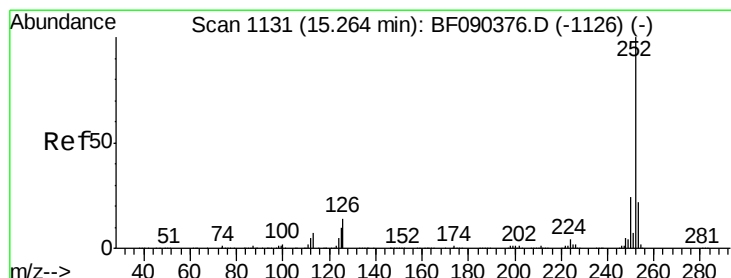
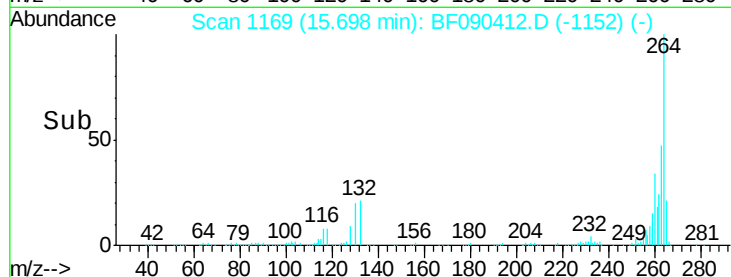
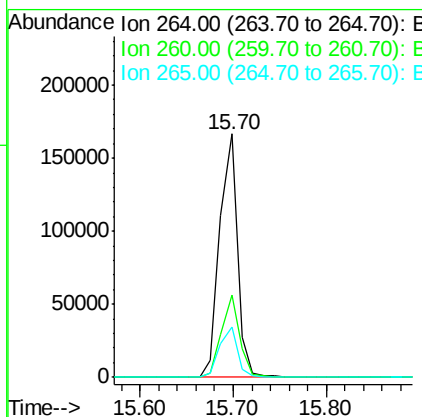
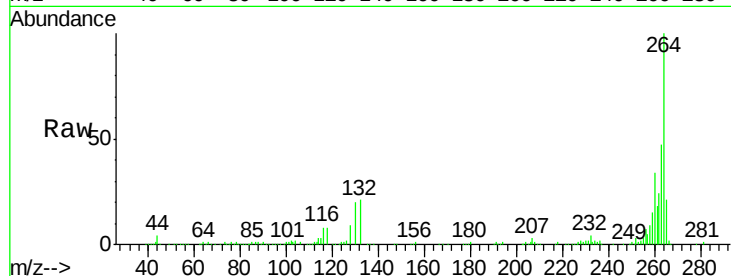
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.70 min Scan# 1169
Delta R.T. -0.00 min
Lab File: BF090412.D
Acq: 6 Oct 2016 6:12

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	33.7	19.3	28.9#
265	20.5	17.4	26.0

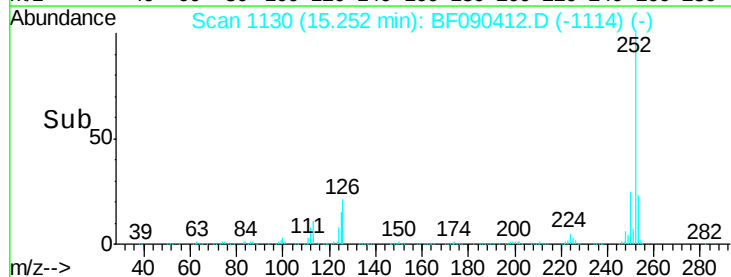
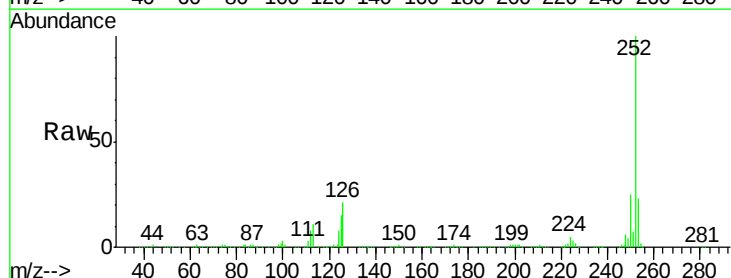
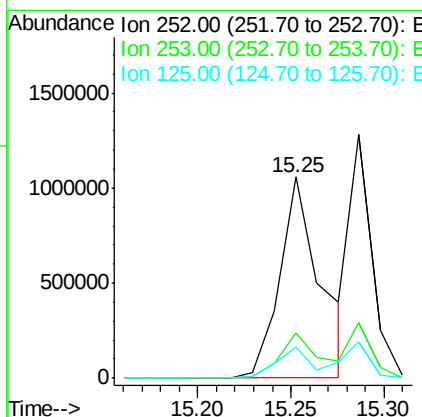
Manual Integrations
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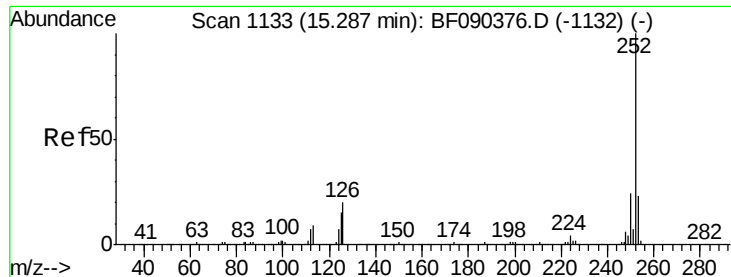
SOHIL
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#87
Benzo(b)fluoranthene
Concen: 113.22 ng
RT: 15.25 min Scan# 1130
Delta R.T. -0.01 min
Lab File: BF090412.D
Acq: 6 Oct 2016 6:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.2
125	15.5	7.0	10.4#





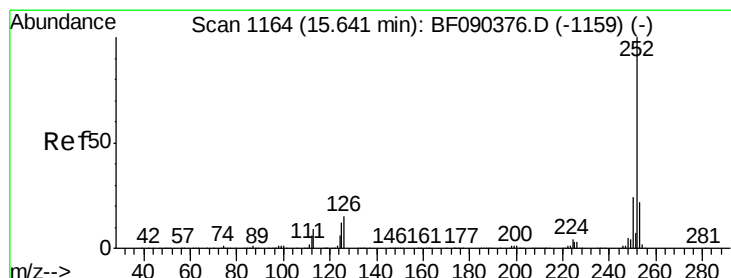
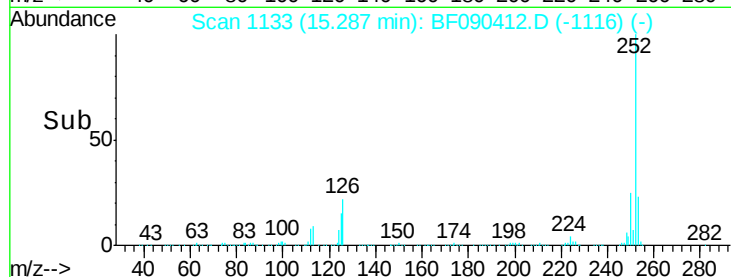
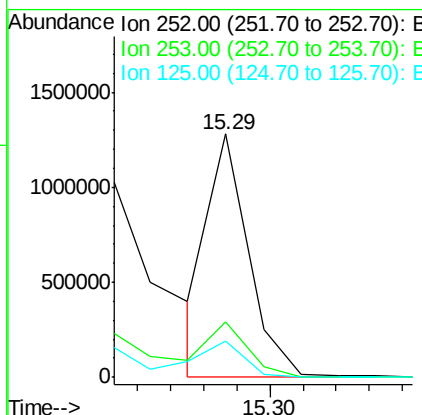
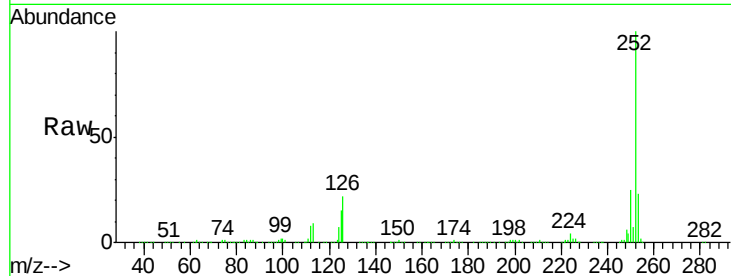
#88
Benzo(k)fluoranthene
Concen: 80.64 ng m
RT: 15.29 min Scan# 1133
Delta R.T. -0.00 min
Lab File: BF090412.D
Acq: 6 Oct 2016 6:12

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.6	27.8
125	14.9	11.7	17.5

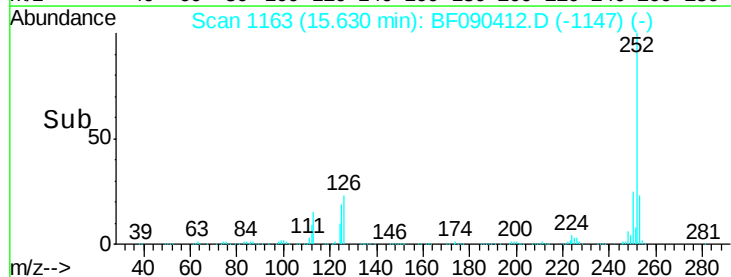
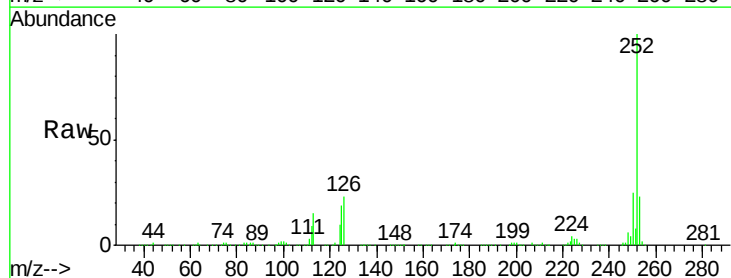
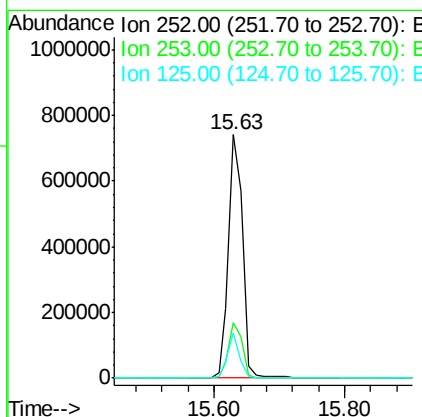
Manual Integrations
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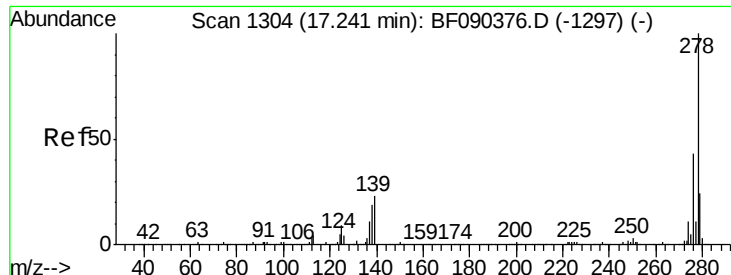
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#89
Benzo(a)pyrene
Concen: 90.44 ng
RT: 15.63 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BF090412.D
Acq: 6 Oct 2016 6:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.4
125	18.6	9.8	14.8#





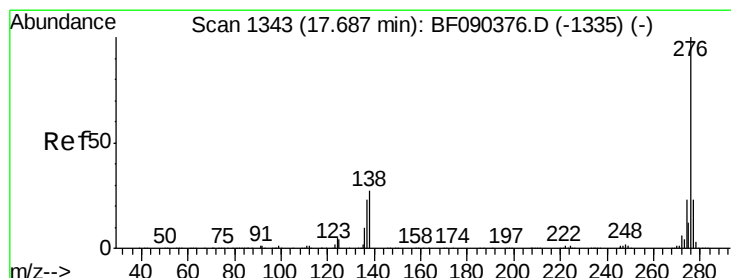
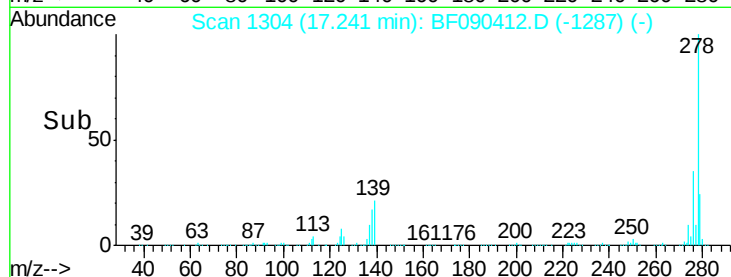
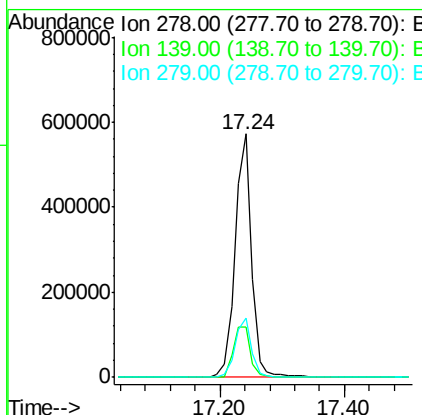
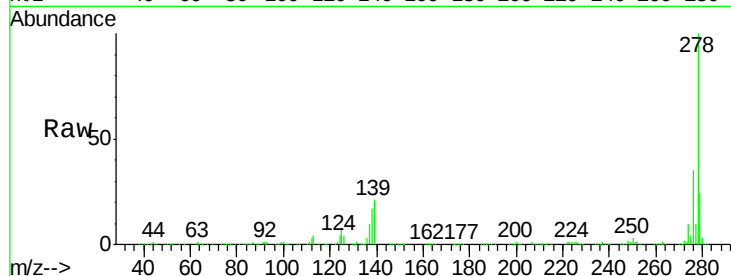
#90
Dibenzo(a,h)anthracene
Concen: 102.56 ng
RT: 17.24 min Scan# 1304
Delta R.T. -0.00 min
Lab File: BF090412.D
Acq: 6 Oct 2016 6:12

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	20.6	12.8	19.2#
279	24.2	19.6	29.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 89.41 ng
RT: 17.68 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF090412.D
Acq: 6 Oct 2016 6:12

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.4	29.0
138	31.2	20.8	31.2

