

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092616\
 Data File : BF090228.D
 Acq On : 26 Sep 2016 18:24
 Operator : UM/SJ
 Sample : H4946-02MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-04I-092216MS

Manual Integrations
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 9/27/2016 1:06:47 PM

Quant Time: Sep 27 05:13:06 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 26 15:58:38 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.48	152	145764	20.00	ng	0.00
21) Naphthalene-d8	7.77	136	598424	20.00	ng	0.00
38) Acenaphthene-d10	9.51	164	310822	20.00	ng	0.00
63) Phenanthrene-d10	10.98	188	510859	20.00	ng	0.00
75) Chrysene-d12	13.60	240	361041	20.00	ng	0.00
86) Perylene-d12	14.91	264	311693	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.04	112	548591	61.35	ng	0.01
7) Phenol-d6	6.14	99	476944	43.19	ng	0.00
23) Nitrobenzene-d5	7.05	82	840053	81.37	ng	-0.01
41) 2,4,6-Tribromophenol	10.30	330	321964	120.74	ng	0.00
44) 2-Fluorobiphenyl	8.86	172	1423765	89.93	ng	0.00
78) Terphenyl-d14	12.56	244	1065899	74.95	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	1.88	88	60727	12.52	ng	# 92
3) Pyridine	2.49	79	85815	8.16	ng	99
4) n-Nitrosodimethylamine	2.42	42	49857	15.88	ng	91
6) Aniline	6.14	93	260161	18.90	ng	# 72
8) 2-Chlorophenol	6.26	128	351606	34.17	ng	89
9) Benzaldehyde	6.01	77	246062	51.13	ng	95
10) Phenol	6.15	94	195488	14.97	ng	# 77
11) bis(2-Chloroethyl)ether	6.23	93	431072	42.34	ng	93
12) 1,3-Dichlorobenzene	6.41	146	390019	36.28	ng	95
13) 1,4-Dichlorobenzene	6.49	146	391211	35.64	ng	95
14) 1,2-Dichlorobenzene	6.65	146	394882	40.39	ng	# 94
15) Benzyl Alcohol	6.64	79	198246	30.10	ng	97
16) 2,2'-oxybis(1-Chloropropan	6.78	45	472803	38.86	ng	93
17) 2-Methylphenol	6.76	107	232672	28.71	ng	98
18) Hexachloroethane	6.99	117	147197	37.60	ng	# 88
19) n-Nitroso-di-n-propylamine	6.91	70	289985	44.70	ng	97
20) 3+4-Methylphenols	6.92	107	278029	28.57	ng	96
22) Acetophenone	6.90	105	573681	39.75	ng	# 97
24) Nitrobenzene	7.07	77	411877	38.29	ng	93
25) Isophorone	7.32	82	829779	38.47	ng	95
26) 2-Nitrophenol	7.39	139	223521	42.20	ng	93
27) 2,4-Dimethylphenol	7.45	122	331641	35.24	ng	100
28) bis(2-Chloroethoxy)methane	7.54	93	521877	40.00	ng	100
29) 2,4-Dichlorophenol	7.64	162	316165	38.30	ng	99
30) 1,2,4-Trichlorobenzene	7.71	180	304753	36.96	ng	100
31) Naphthalene	7.79	128	1197083	42.01	ng	100
32) Benzoic acid	7.56	122	75985	11.76	ng	92
33) 4-Chloroaniline	7.85	127	240932	20.38	ng	96
34) Hexachlorobutadiene	7.92	225	170451	39.19	ng	99
35) Caprolactam	8.23	113	16913	6.19	ng	96
36) 4-Chloro-3-methylphenol	8.34	107	318031	34.09	ng	98
37) 2-Methylnaphthalene	8.48	142	682004	38.49	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.65	216	294304	41.25	ng	99
40) Hexachlorocyclopentadiene	8.64	237	273000	77.54	ng	99

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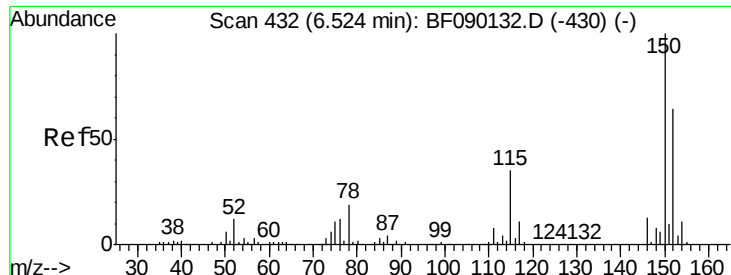
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.76	196	206162	40.55	nq	99
43) 2,4,5-Trichlorophenol	8.81	196	220298	41.85	nq	97
45) 1,1'-Biphenyl	8.95	154	901080	40.52	nq	98
46) 2-Chloronaphthalene	8.97	162	732727	44.66	nq	93
47) 2-Nitroaniline	9.07	65	218264	44.13	nq	87
48) Acenaphthylene	9.37	152	1035533	38.87	nq	99
49) Dimethylphthalate	9.27	163	936418	47.30	nq	100
50) 2,6-Dinitrotoluene	9.31	165	185822	42.11	nq	99
51) Acenaphthene	9.54	154	635191	40.17	nq	97
52) 3-Nitroaniline	9.48	138	114179	22.07	nq	84
53) 2,4-Dinitrophenol	9.59	184	180485	73.40	nq	# 82
54) Dibenzofuran	9.71	168	947322	45.52	nq	93
55) 4-Nitrophenol	9.66	139	102777	29.00	nq	83
56) 2,4-Dinitrotoluene	9.71	165	206188	39.52	nq	92
57) Fluorene	10.06	166	653202	41.65	nq	99
58) 2,3,4,6-Tetrachlorophenol	9.84	232	175053	44.42	nq	99
59) Diethylphthalate	9.95	149	805670	42.14	nq	100
60) 4-Chlorophenyl-phenylether	10.06	204	279463	39.07	nq	96
61) 4-Nitroaniline	10.09	138	185611	35.20	nq	88
62) Azobenzene	10.22	77	925518	46.50	nq	96
64) 4,6-Dinitro-2-methylphenol	10.12	198	137180	42.87	nq	88
65) n-Nitrosodiphenylamine	10.18	169	681663	40.58	nq	100
66) 4-Bromophenyl-phenylether	10.54	248	202058	40.19	nq	# 74
67) Hexachlorobenzene	10.60	284	249555	42.59	nq	# 85
68) Atrazine	10.72	200	212167	46.09	nq	98
69) Pentachlorophenol	10.80	266	254155	76.43	nq	98
70) Phenanthrene	11.00	178	990958	41.48	nq	99
71) Anthracene	11.06	178	1118922	44.65	nq	99
72) Carbazole	11.22	167	1097960	41.45	nq	98
73) Di-n-butylphthalate	11.56	149	1206613	39.17	nq	100
74) Fluoranthene	12.18	202	1152427	44.94	nq	94
76) Benzidine	12.31	184	112007	9.27	nq	98
77) Pyrene	12.40	202	1012605	40.99	nq	99
79) Butylbenzylphthalate	13.05	149	583255	48.26	nq	94
80) Benzo(a)anthracene	13.59	228	890491	45.84	nq	99
81) 3,3'-Dichlorobenzidine	13.55	252	219810	27.44	nq	# 97
82) Chrysene	13.62	228	826343	43.67	nq	100
83) Bis(2-ethylhexyl)phthalate	13.61	149	677749	43.82	nq	99
84) Di-n-octyl phthalate	14.22	149	1201857	45.11	nq	98
85) Indeno(1,2,3-cd)pyrene	16.06	276	756036	49.42	nq	97
87) Benzo(b)fluoranthene	14.57	252	719725m	41.70	nq	
88) Benzo(k)fluoranthene	14.59	252	683950m	42.22	nq	
89) Benzo(a)pyrene	14.87	252	696265	42.88	nq	98
90) Dibenzo(a,h)anthracene	16.08	278	635845	50.19	nq	96
91) Benzo(g,h,i)perylene	16.40	276	651704	52.55	nq	97

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



#1

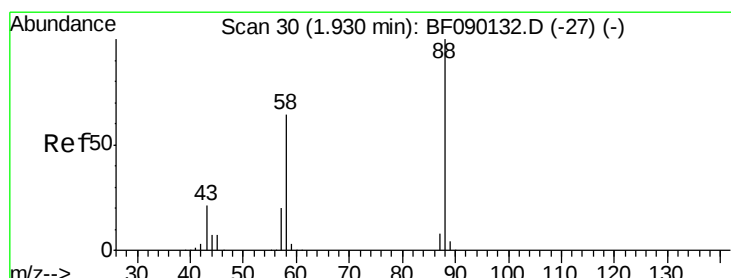
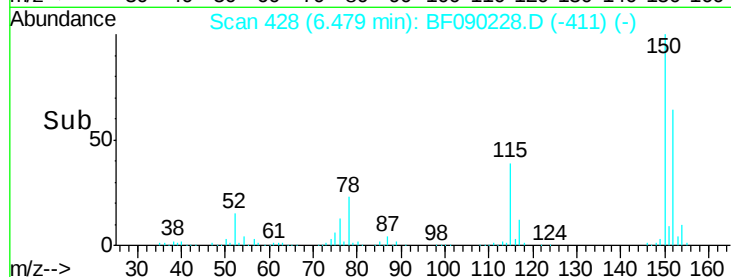
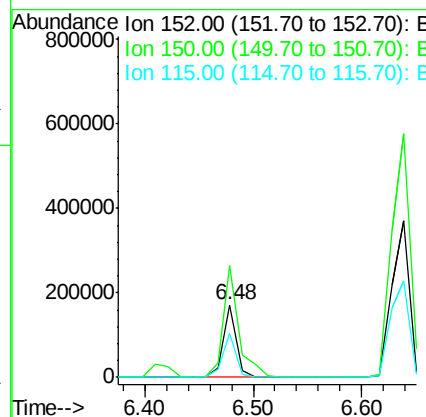
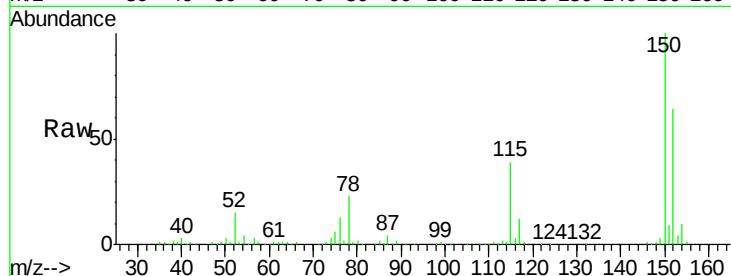
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.48 min Scan# 428
Delta R.T. -0.00 min
Lab File: BF090228.D
Acq: 26 Sep 2016 18:24

Instrument :
BNA_F
ClientSampleId :
MW-04I-092216MS

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	128.9	193.3
115	60.1	55.5	83.3

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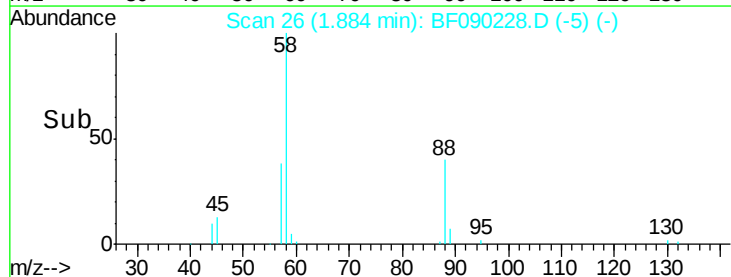
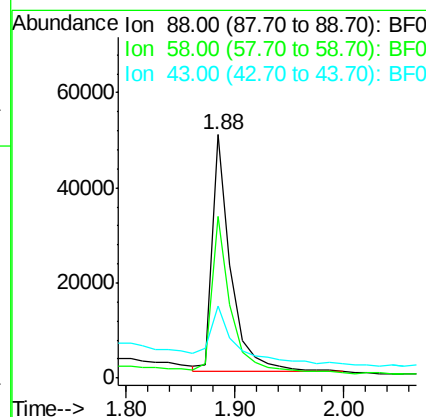
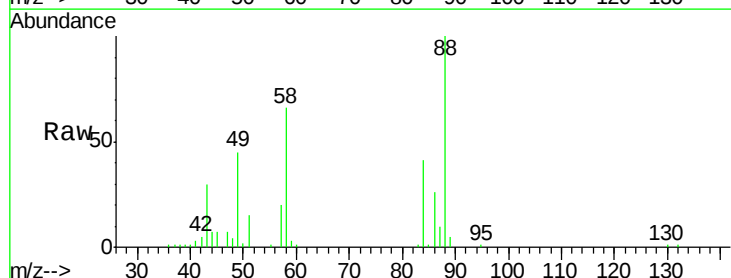
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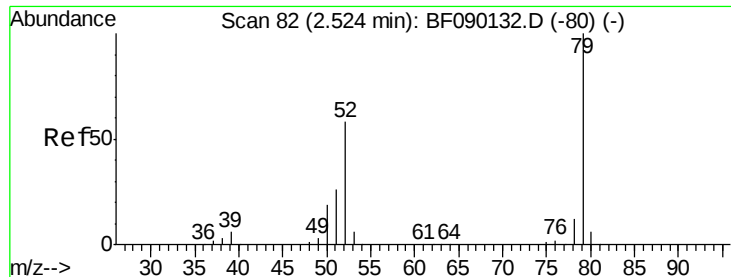


#2

1,4-Dioxane
Concen: 12.52 ng
RT: 1.88 min Scan# 26
Delta R.T. 0.05 min
Lab File: BF090228.D
Acq: 26 Sep 2016 18:24

Tgt Ion	Ratio	Lower	Upper
88	100		
58	64.5	53.4	80.0
43	31.9	16.5	24.7





#3

Pvridine

Concen: 8.16 ng

RT: 2.49 min Scan# 79

Delta R.T. 0.07 min

Lab File: BF090228.D

Acq: 26 Sep 2016 18:24

Instrument :

BNA_F

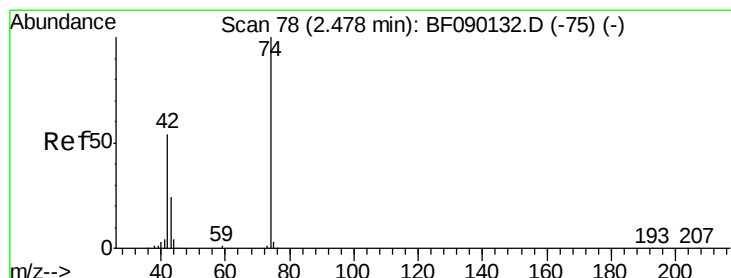
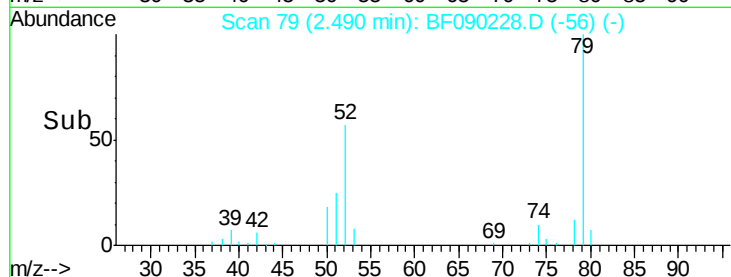
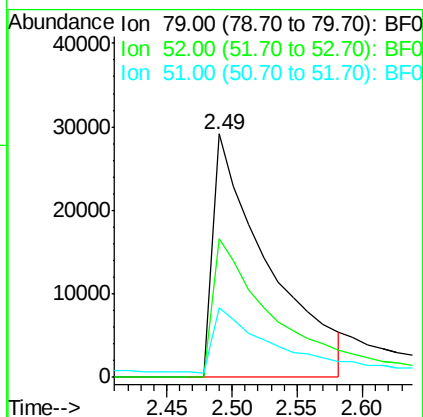
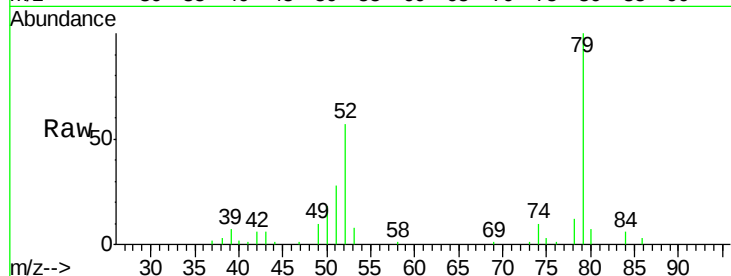
ClientSampleId :

MW-04I-092216MS

Tot Ion:	79	Resp:	85815
Ion Ratio	Lower	Upper	
79	100		
52	57.1	45.9	68.9
51	28.4	21.3	31.9

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#4

n-Nitrosodimethylamine

Concen: 15.88 ng

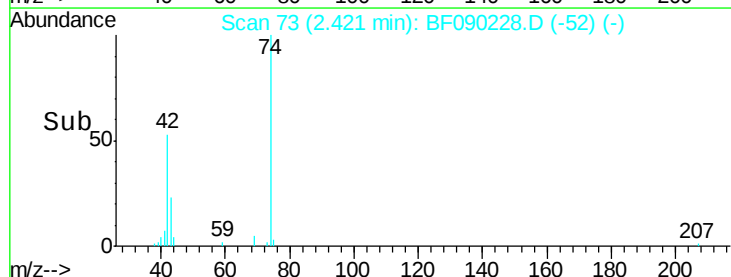
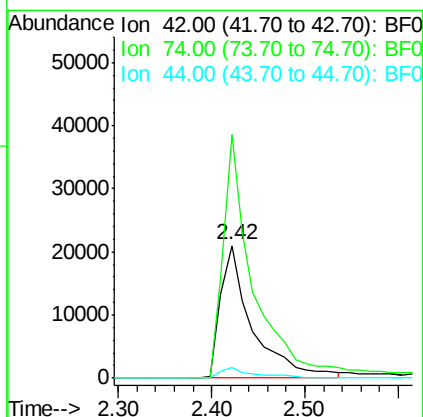
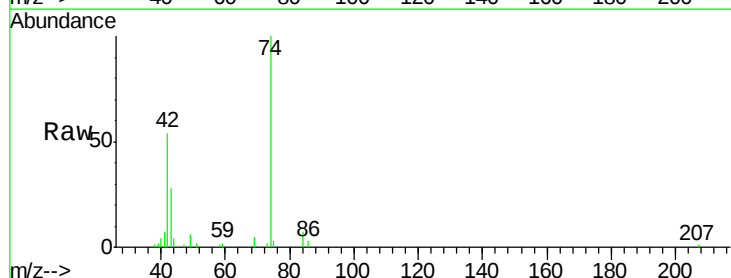
RT: 2.42 min Scan# 73

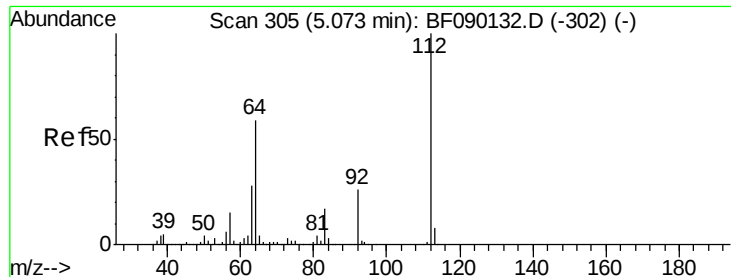
Delta R.T. 0.05 min

Lab File: BF090228.D

Acq: 26 Sep 2016 18:24

Tgt Ion:	42	Resp:	49857
Ion Ratio	Lower	Upper	
42	100		
74	183.7	158.7	238.1
44	8.1	6.4	9.6





#5

2-Fluorophenol

Concen: 61.35 ng

RT: 5.04 min Scan# 302

Delta R.T. 0.01 min

Lab File: BF090228.D

Acq: 26 Sep 2016 18:24

Instrument :

BNA_F

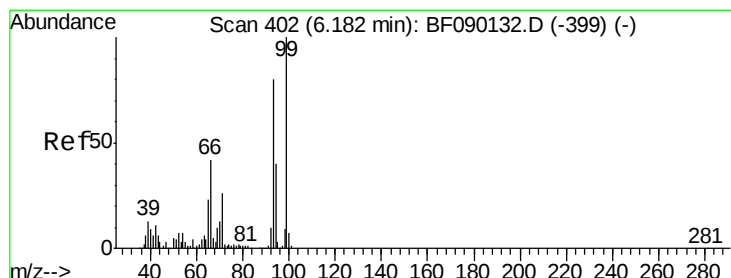
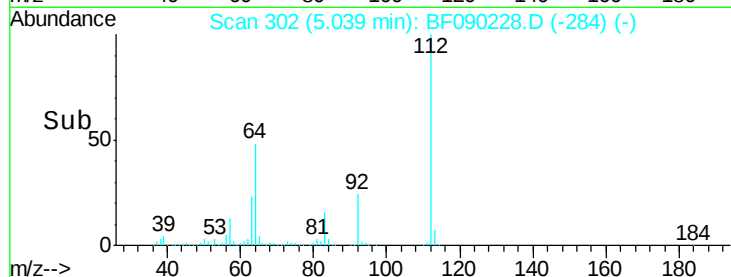
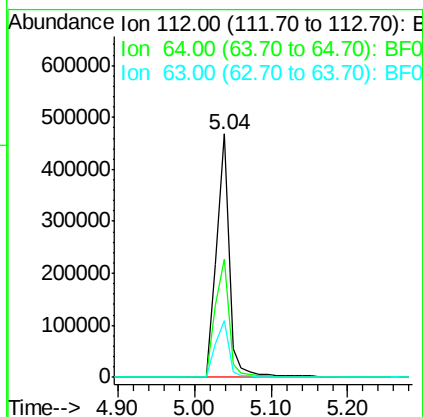
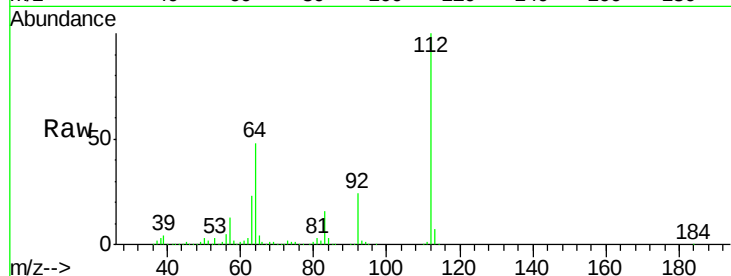
ClientSampleId :

MW-04I-092216MS

Tot Ion:	112	Resp:	548591
Ion Ratio	Lower	Upper	
112	100		
64	48.5	39.8	59.6
63	23.1	18.9	28.3

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#6

Aniline

Concen: 18.90 ng

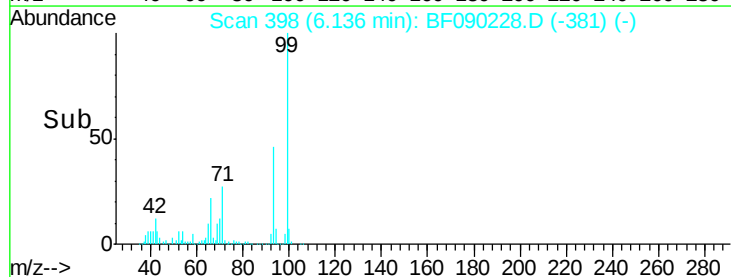
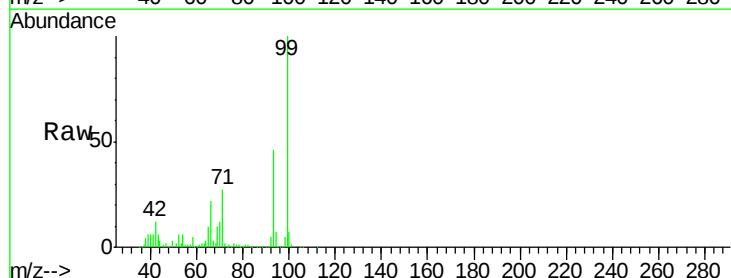
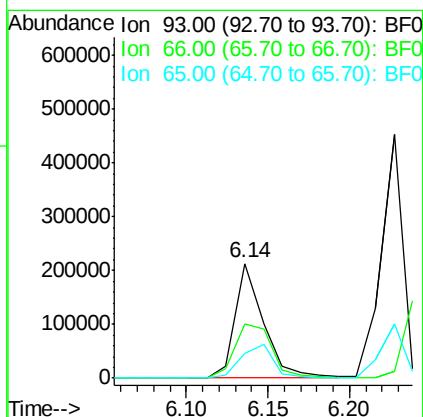
RT: 6.14 min Scan# 398

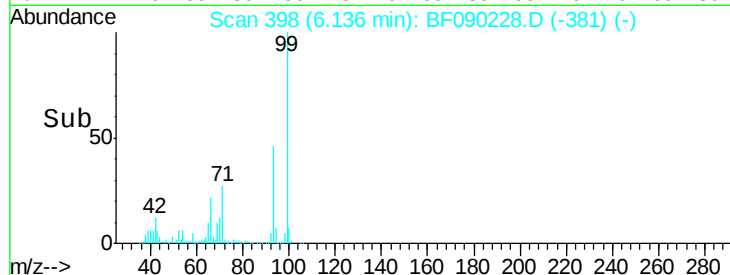
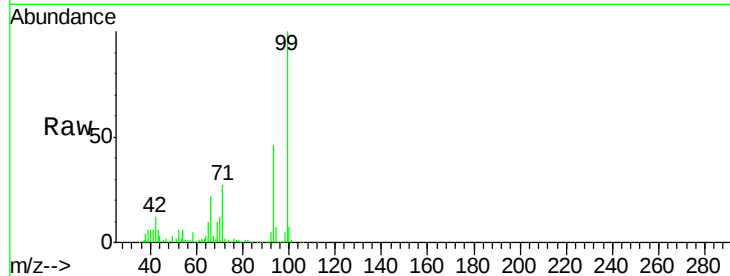
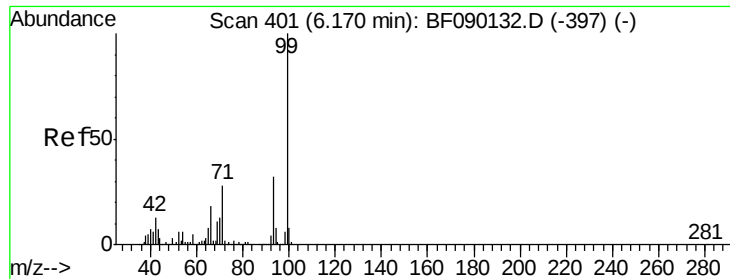
Delta R.T. -0.00 min

Lab File: BF090228.D

Acq: 26 Sep 2016 18:24

Tgt Ion:	93	Resp:	260161
Ion Ratio	Lower	Upper	
93	100		
66	47.1	54.2	81.2#
65	21.4	33.8	50.6#





#7

Phenol-d6

Concen: 43.19 ng

RT: 6.14 min Scan# 398

Delta R.T. -0.00 min

Lab File: BF090228.D

Acq: 26 Sep 2016 18:24

Tot Ion:	99	Resp:	476944
Ion	Ratio	Lower	Upper
99	100		
42	12.0	10.6	15.8
71	27.3	23.0	34.6

Instrument :

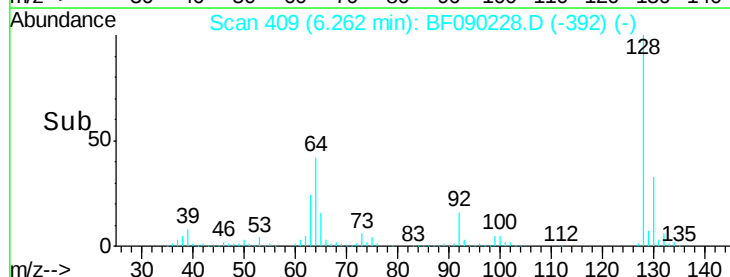
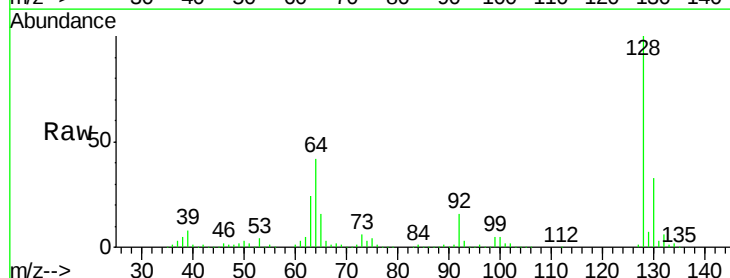
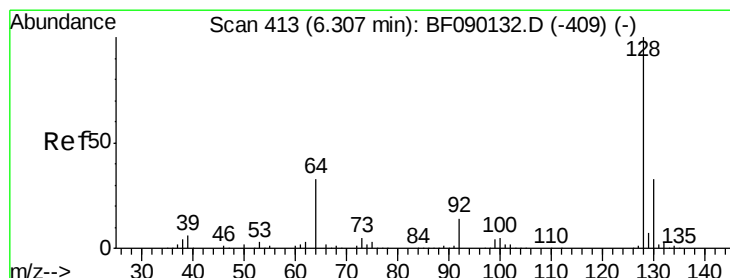
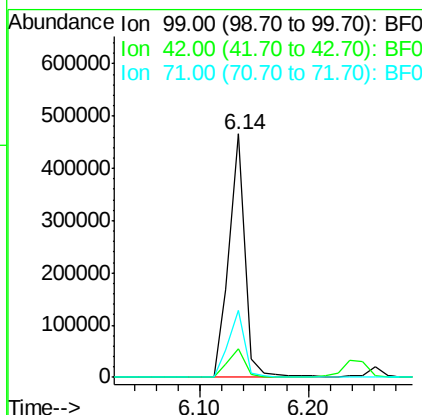
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MW-04I-092216MS

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#8

2-Chlorophenol

Concen: 34.17 ng

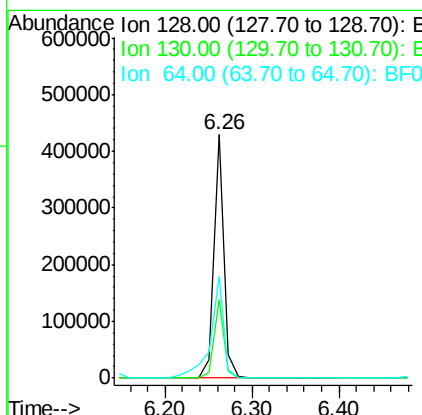
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Delta R.T. -0.00 min

Lab File: BF090228.D

Acq: 26 Sep 2016 18:24

Tgt Ion:	128	Resp:	351606
Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.0	52.0
64	41.6	33.6	73.6





#9

Benzaldehyde

Concen: 51.13 ng

RT: 6.01 min Scan# 387

Delta R.T. -0.00 min

Lab File: BF090228.D

Acq: 26 Sep 2016 18:24

Instrument :

BNA_F

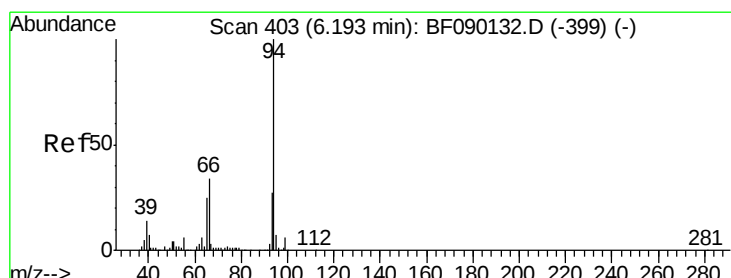
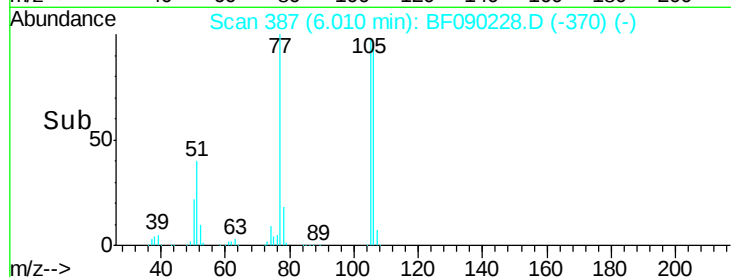
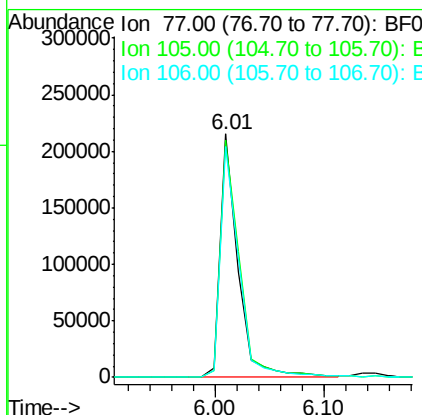
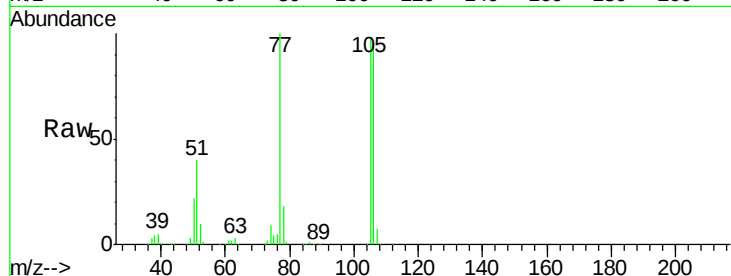
ClientSampleId :

MW-04I-092216MS

Tot Ion:	77	Resp:	246062
Ion Ratio	Lower	Upper	
77	100		
105	97.6	83.0	123.0
106	94.7	78.5	118.5

Manual Integrations
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#10

Phenol

Concen: 14.97 ng

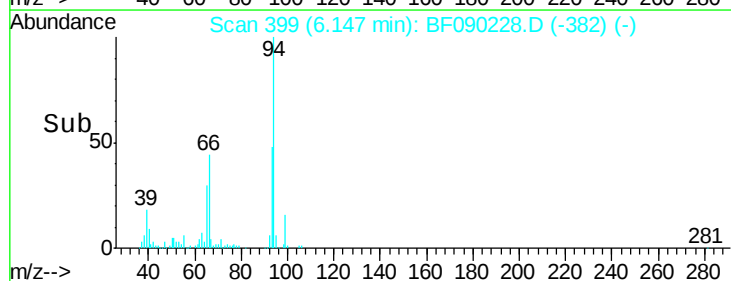
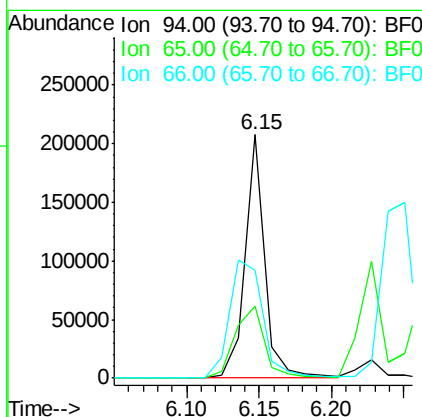
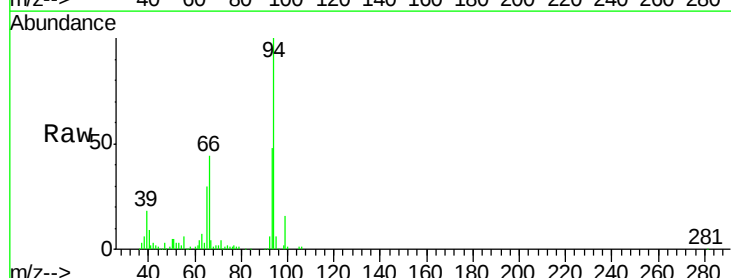
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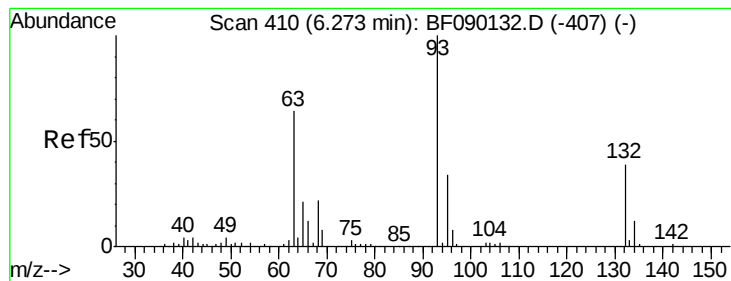
Delta R.T. -0.00 min

Lab File: BF090228.D

Acq: 26 Sep 2016 18:24

Tgt Ion:	94	Resp:	195488
Ion Ratio	Lower	Upper	
94	100		
65	29.6	20.6	60.6
66	44.3	45.1	85.1#





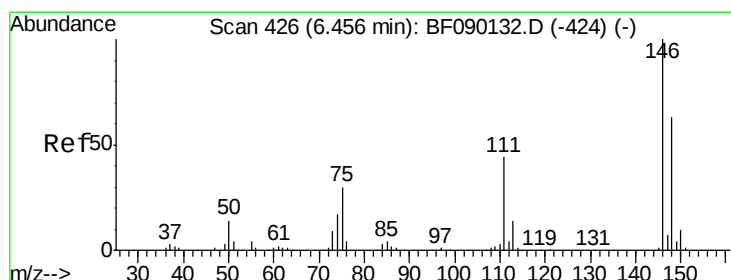
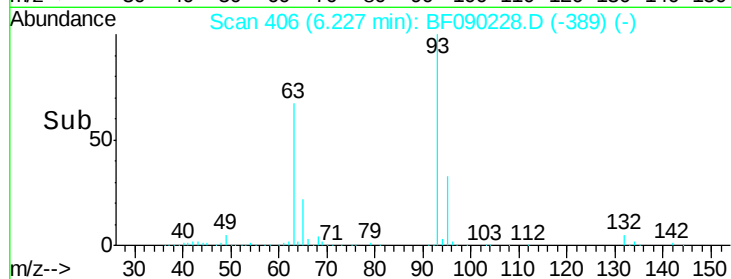
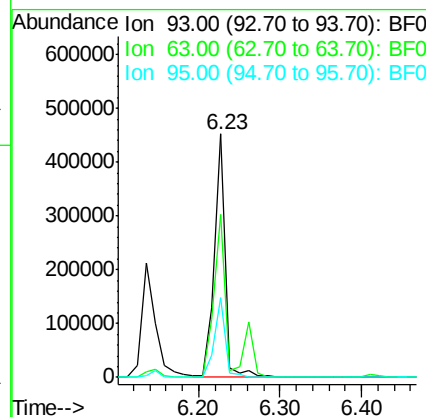
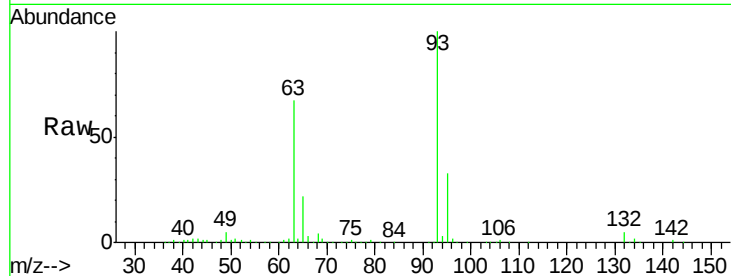
#11
 bis(2-Chloroethyl)ether
 Concen: 42.34 ng
 RT: 6.23 min Scan# 406
 Delta R.T. -0.00 min
 Lab File: BF090228.D
 Acq: 26 Sep 2016 18:24

Instrument :
 BNA_F
 ClientSampleId :
 MW-04I-092216MS

Tot Ion	Ratio	Lower	Upper
93	100		
63	66.8	55.6	95.6
95	32.8	12.6	52.6

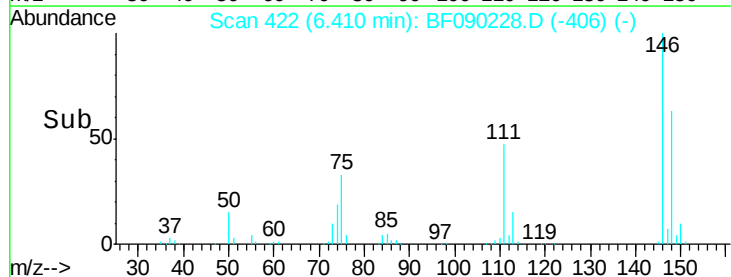
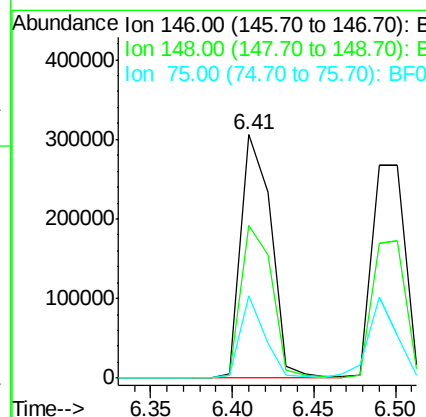
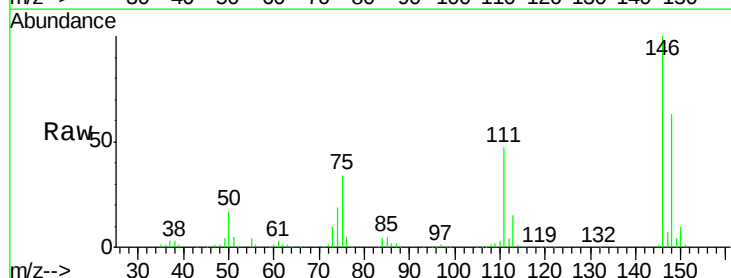
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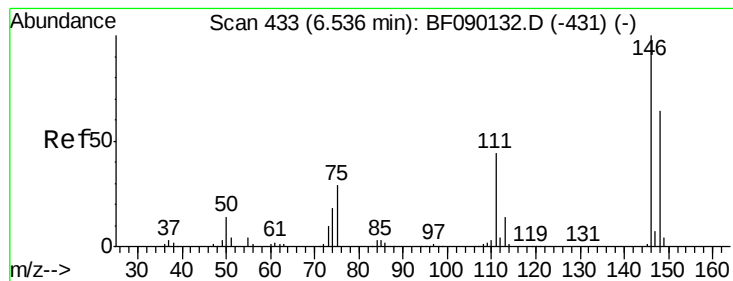
sohil
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#12
 1,3-Dichlorobenzene
 Concen: 36.28 ng
 RT: 6.41 min Scan# 422
 Delta R.T. -0.01 min
 Lab File: BF090228.D
 Acq: 26 Sep 2016 18:24

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.7	51.9	77.9
75	34.0	22.8	34.2





#13

1,4-Dichlorobenzene

Concen: 35.64 ng

RT: 6.49 min Scan# 429

Delta R.T. -0.01 min

Lab File: BF090228.D

Acq: 26 Sep 2016 18:24

Instrument :

BNA_F

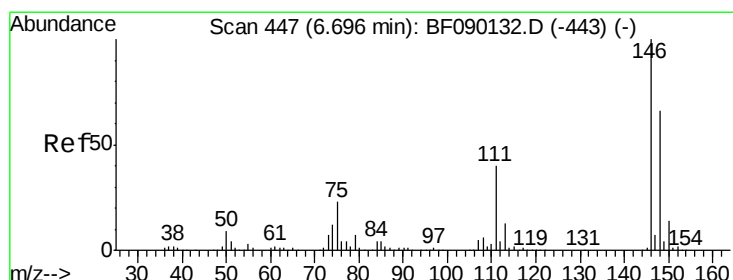
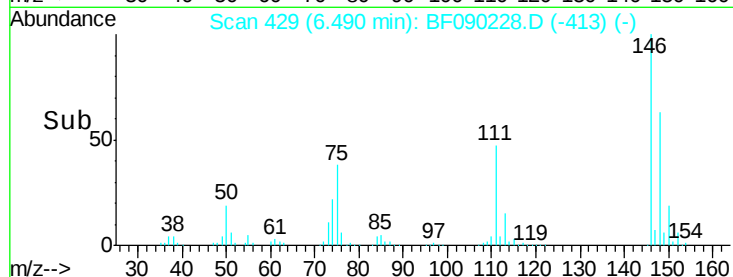
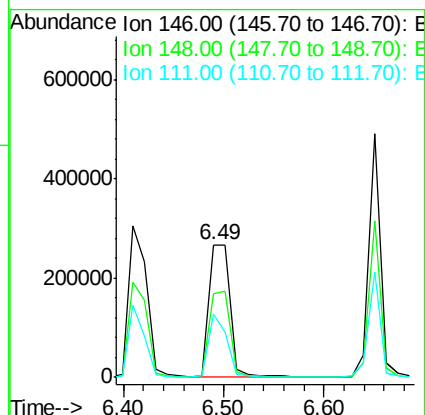
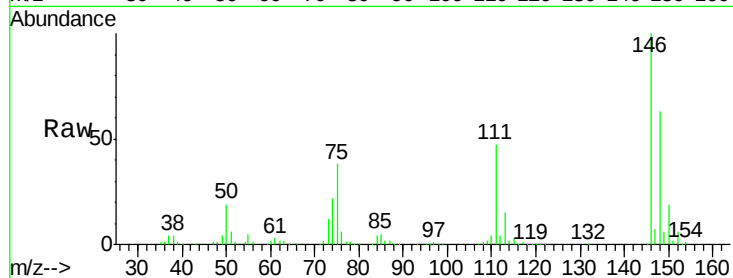
ClientSampleId :

MW-04I-092216MS

Tot Ion:	146	Resp:	391211
Ion Ratio	Lower	Upper	
146	100		
148	63.1	52.0	78.0
111	47.5	33.8	50.6

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#14

1,2-Dichlorobenzene

Concen: 40.39 ng

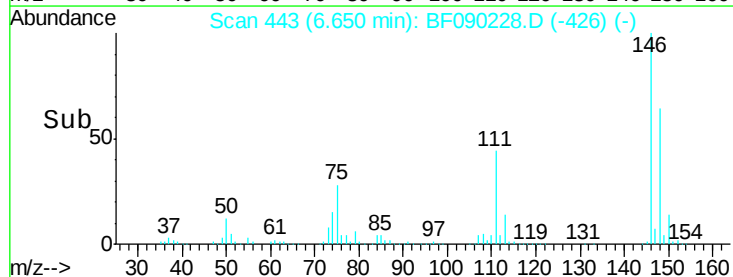
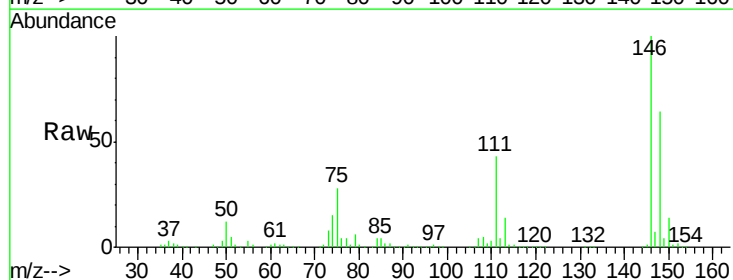
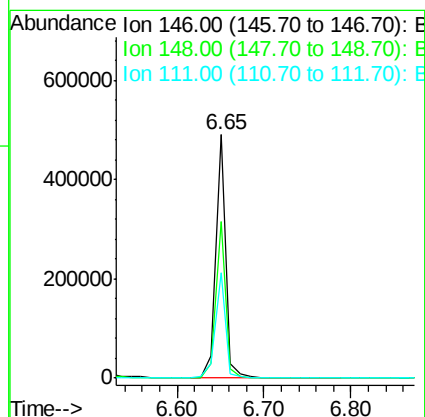
RT: 6.65 min Scan# 443

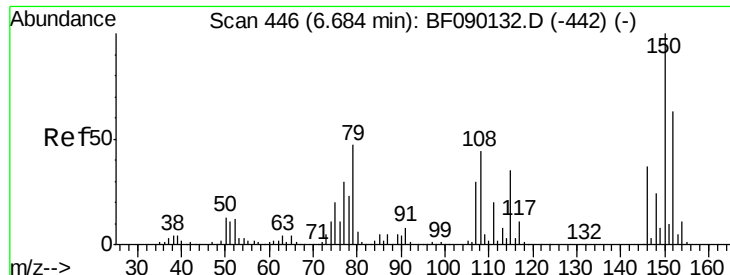
Delta R.T. -0.00 min

Lab File: BF090228.D

Acq: 26 Sep 2016 18:24

Tgt Ion:	146	Resp:	394882
Ion Ratio	Lower	Upper	
146	100		
148	64.5	52.6	79.0
111	43.5	28.2	42.2#





#15

Benzyl Alcohol

Concen: 30.10 ng

RT: 6.64 min Scan# 442

Delta R.T. -0.00 min

Lab File: BF090228.D

Acq: 26 Sep 2016 18:24

Instrument :

BNA_F

ClientSampleId :

MW-04I-092216MS

Tot Ion: 79 Resp: 198246

Ion Ratio Lower Upper

79 100

108 81.3 62.2 93.4

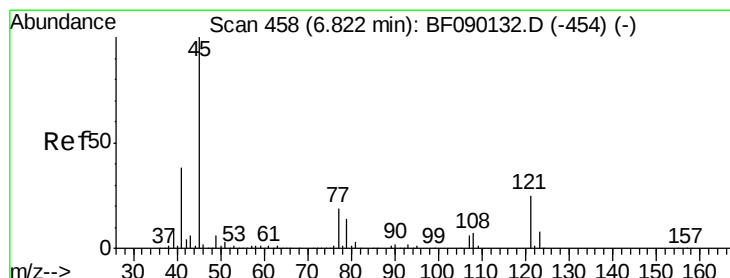
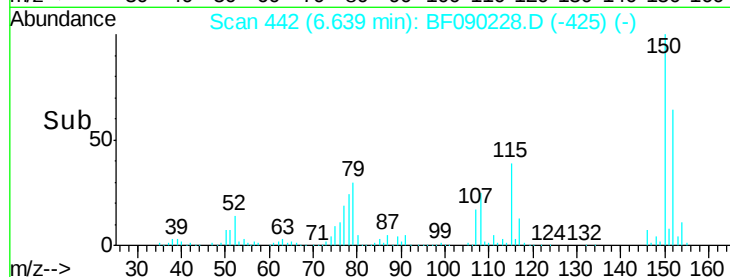
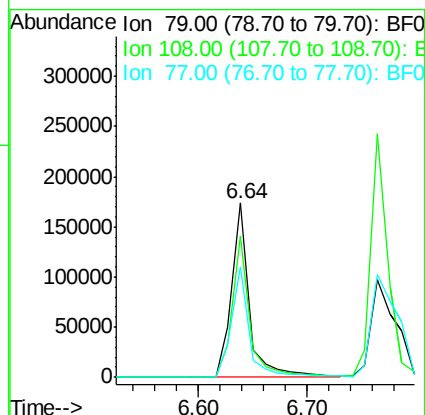
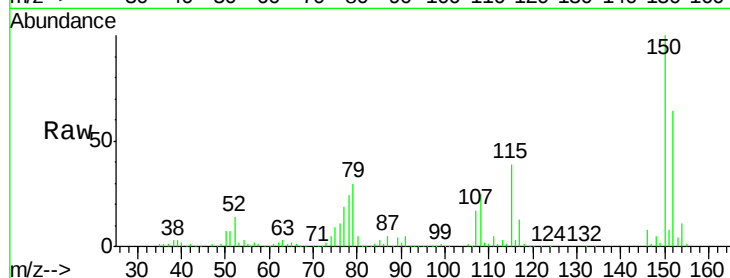
77 63.0 51.4 77.0

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 38.86 ng

RT: 6.78 min Scan# 454

Delta R.T. -0.00 min

Lab File: BF090228.D

Acq: 26 Sep 2016 18:24

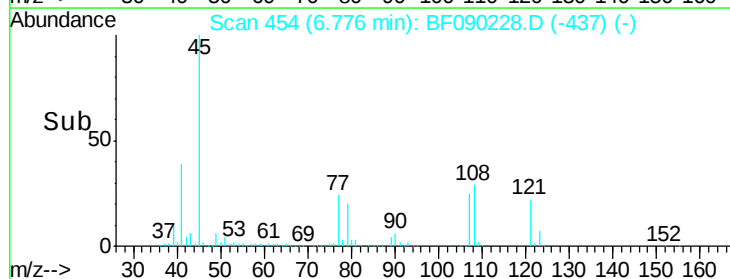
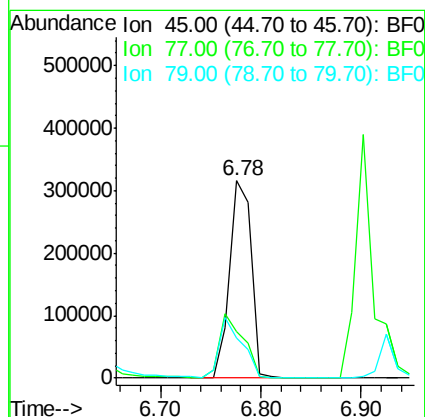
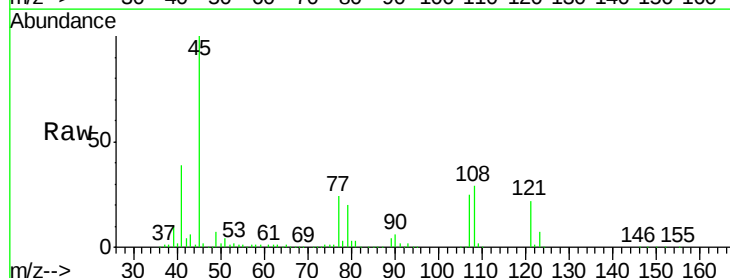
Tgt Ion: 45 Resp: 472803

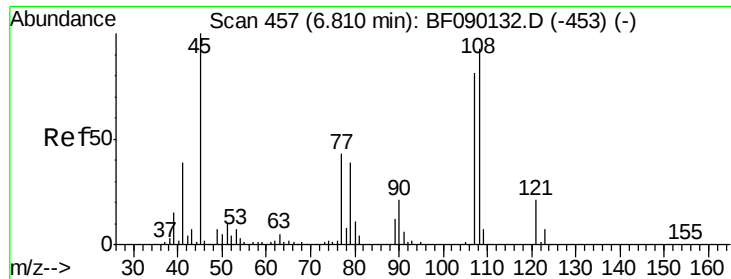
Ion Ratio Lower Upper

45 100

77 23.8 0.5 40.5

79 20.1 0.0 37.0





#17

2-Methylphenol

Concen: 28.71 ng

RT: 6.76 min Scan# 453

Delta R.T. -0.00 min

Lab File: BF090228.D

Acq: 26 Sep 2016 18:24

Instrument :

BNA_F

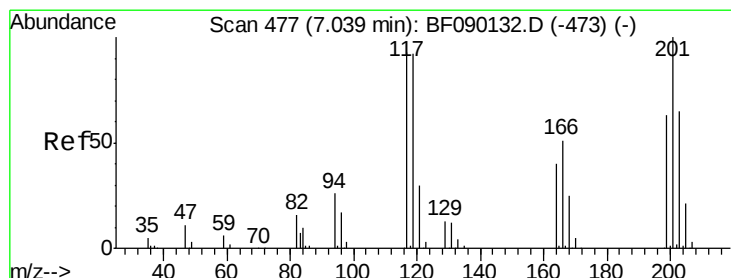
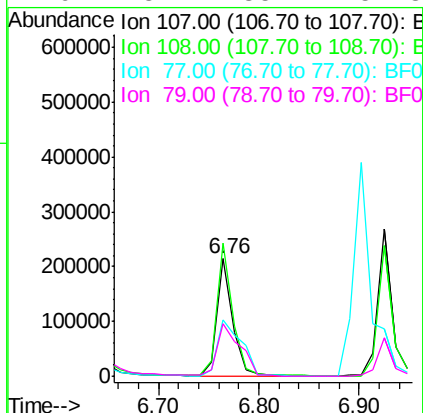
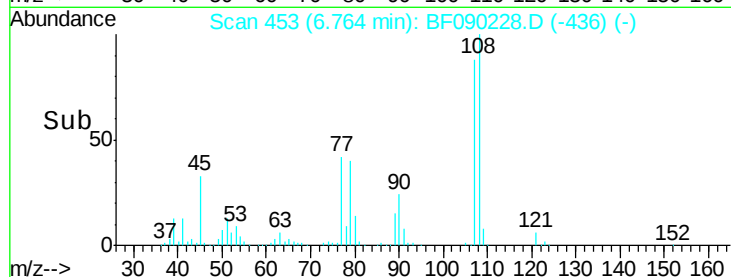
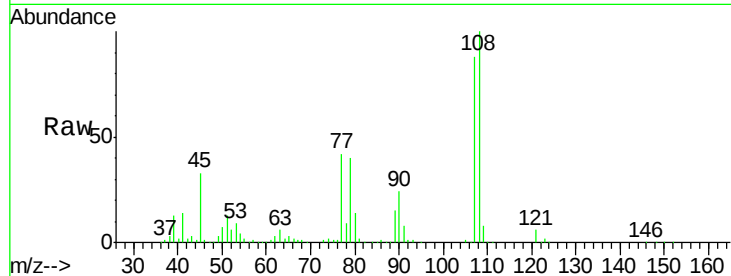
ClientSampleId :

MW-04I-092216MS

Tot Ion:	107	Resp:	232672
Ion Ratio	Lower	Upper	
107	100		
108	113.1	92.0	138.0
77	47.8	35.6	53.4
79	45.2	35.2	52.8

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#18

Hexachloroethane

Concen: 37.60 ng

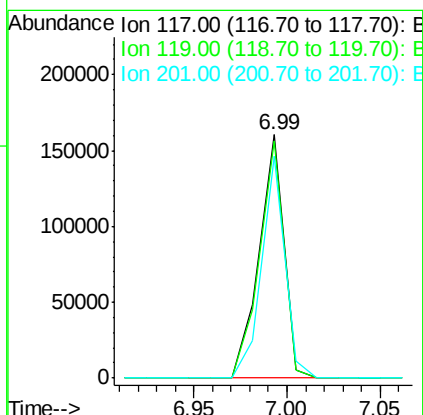
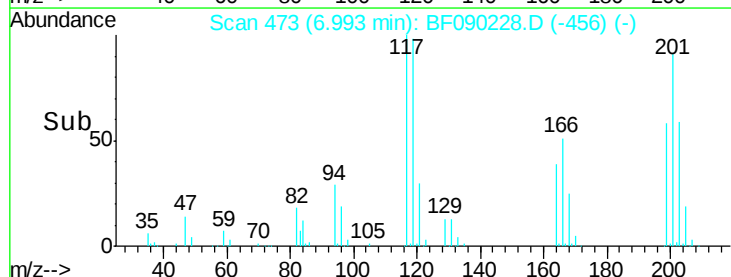
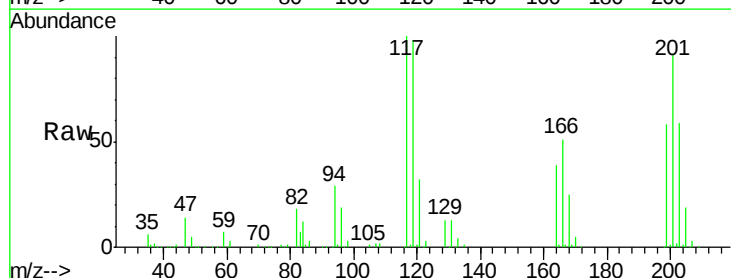
RT: 6.99 min Scan# 473

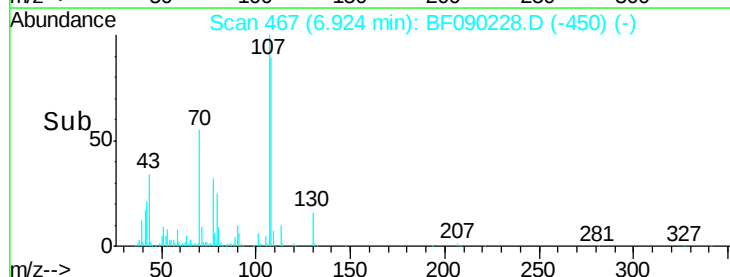
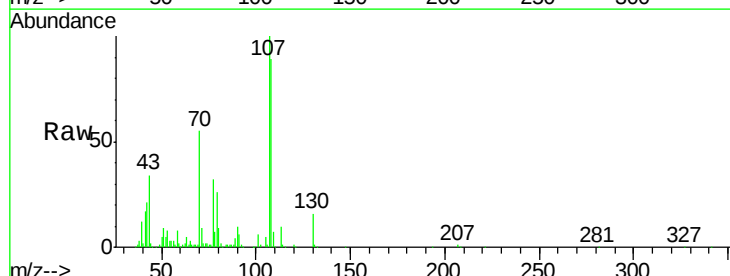
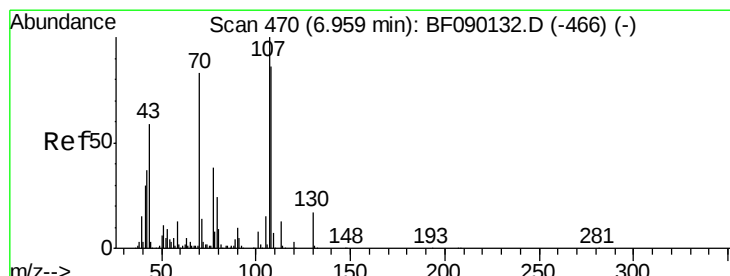
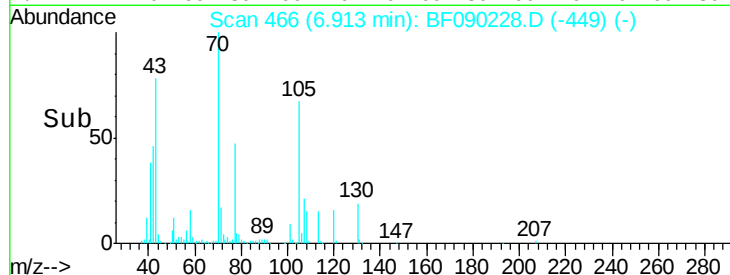
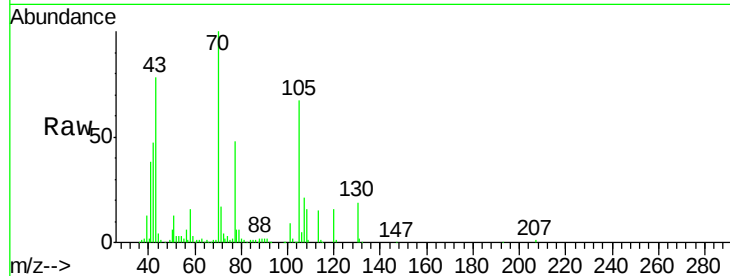
Delta R.T. -0.00 min

Lab File: BF090228.D

Acq: 26 Sep 2016 18:24

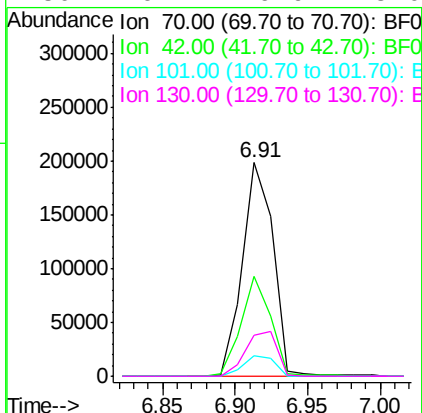
Tgt Ion:	117	Resp:	147197
Ion Ratio	Lower	Upper	
117	100		
119	97.6	76.6	115.0
201	91.4	55.5	83.3#





#19
n-Nitroso-di-n-propylamine
Concen: 44.70 ng
RT: 6.91 min Scan# 466
Delta R.T. -0.00 min
Lab File: BF090228.D
Acq: 26 Sep 2016 18:24

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100		289985		
42	46.6	35.1	52.7		
101	9.4	7.5	11.3		
130	19.1	16.6	25.0		



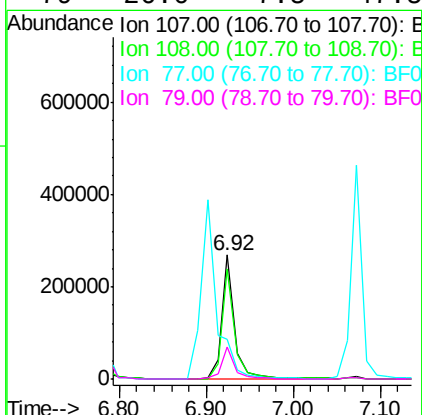
Instrument :
BNA_F
ClientSampleId :
MW-04I-092216MS

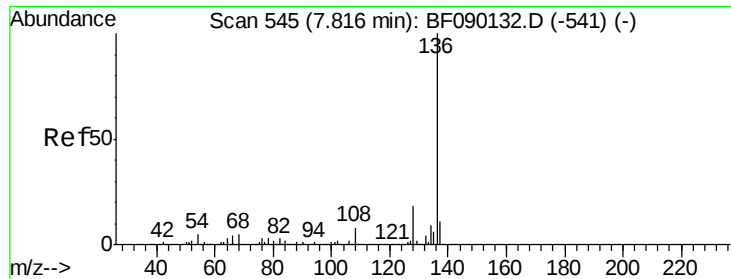
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#20
3+4-Methylphenols
Concen: 28.57 ng
RT: 6.92 min Scan# 467
Delta R.T. -0.00 min
Lab File: BF090228.D
Acq: 26 Sep 2016 18:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		278029		
108	88.8	73.3	113.3		
77	32.1	14.1	54.1		
79	26.0	7.5	47.5		





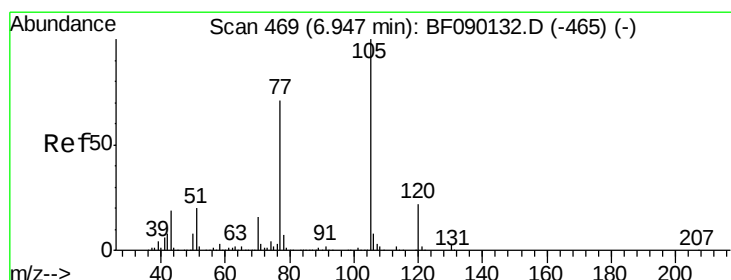
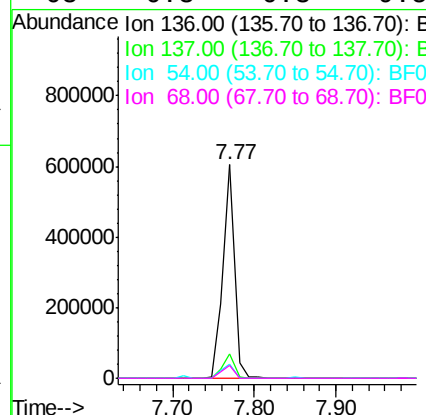
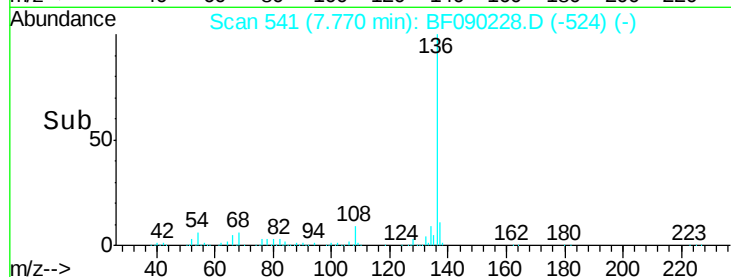
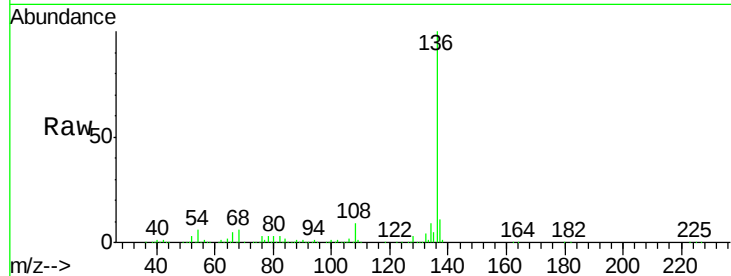
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.77 min Scan# 541
Delta R.T. -0.00 min
Lab File: BF090228.D
Acq: 26 Sep 2016 18:24

Instrument :
BNA_F
ClientSampleId :
MW-04I-092216MS

Tot Ion	Ratio	Resp	Lower	Upper
136	100	598424		
137	11.2	9.0	13.4	
54	6.5	6.4	9.6	
68	6.3	6.3	9.5#	

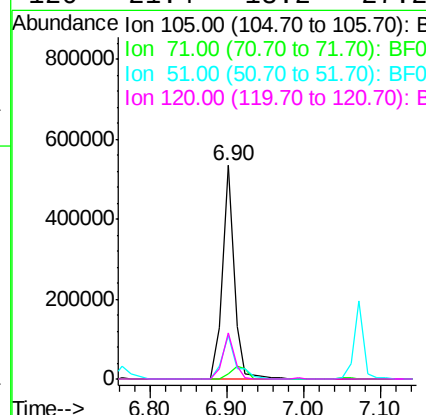
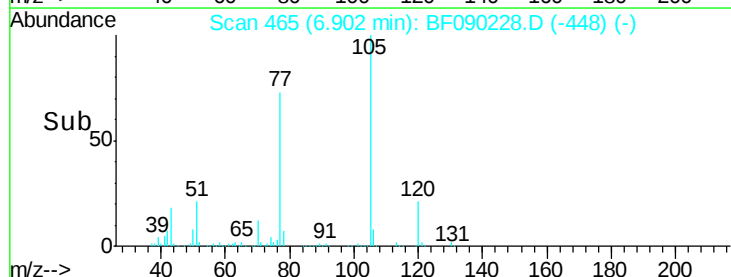
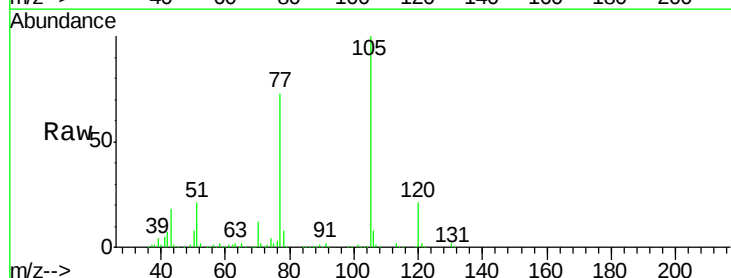
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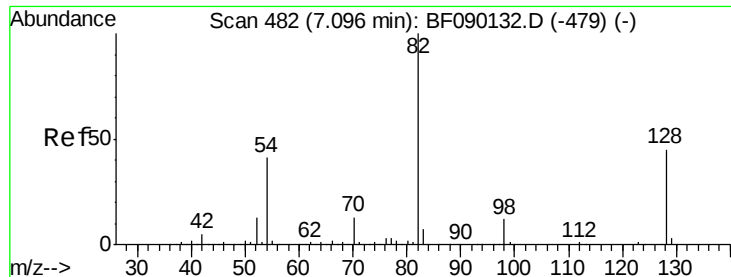
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#22
Acetophenone
Concen: 39.75 ng
RT: 6.90 min Scan# 465
Delta R.T. -0.00 min
Lab File: BF090228.D
Acq: 26 Sep 2016 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	573681		
71	2.2	4.1	6.1#	
51	20.7	16.2	24.2	
120	21.4	18.2	27.2	





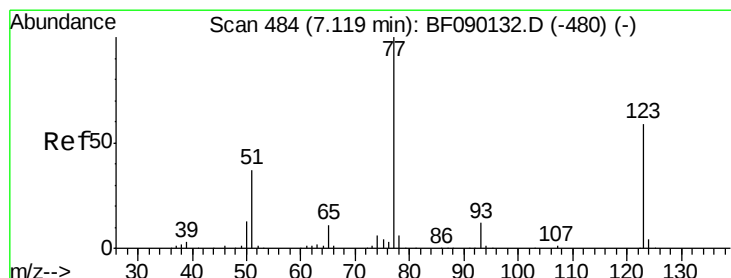
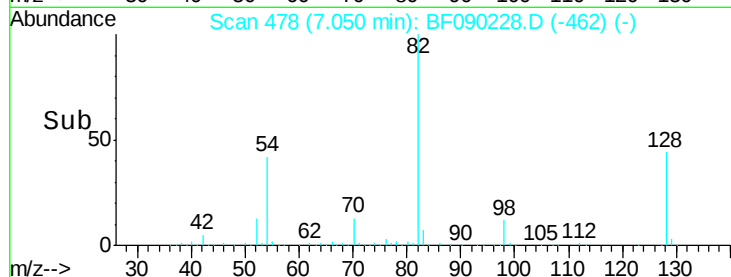
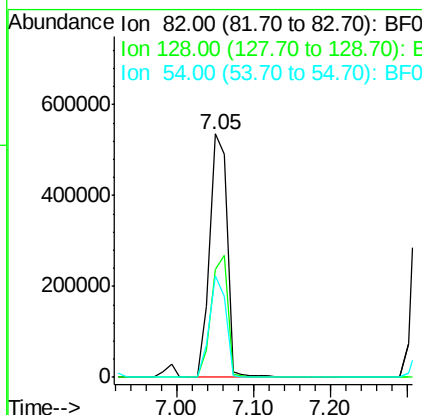
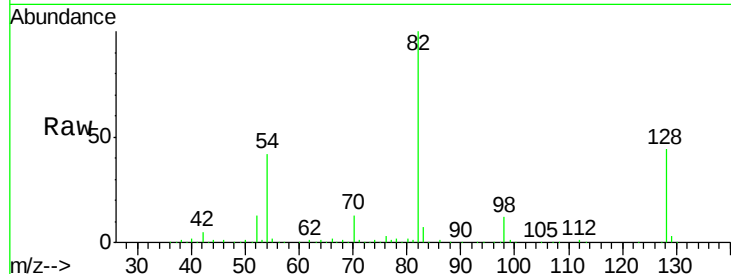
#23
 Nitrobenzene-d5
 Concen: 81.37 ng
 RT: 7.05 min Scan# 478
 Delta R.T. -0.01 min
 Lab File: BF090228.D
 Acq: 26 Sep 2016 18:24

Instrument :
 BNA_F
 ClientSampleId :
 MW-04I-092216MS

Tot Ion	82	Resp	840053
Ion Ratio	100	Lower	Upper
82	100		
128	44.2	37.5	56.3
54	41.6	31.9	47.9

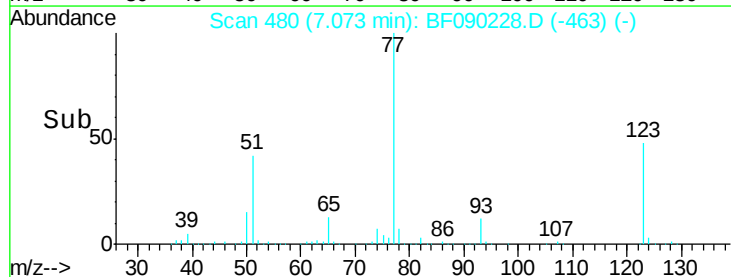
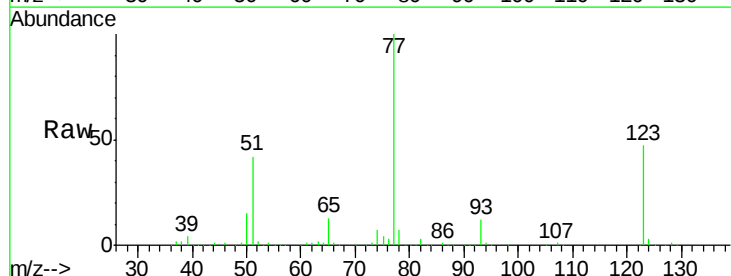
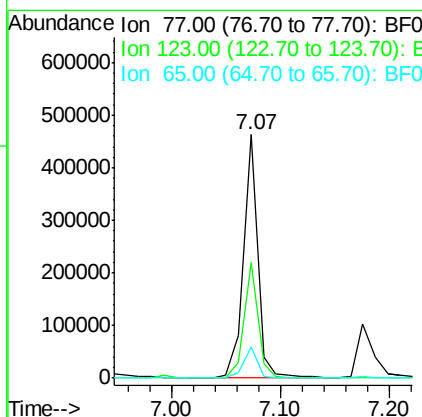
Manual Integrations
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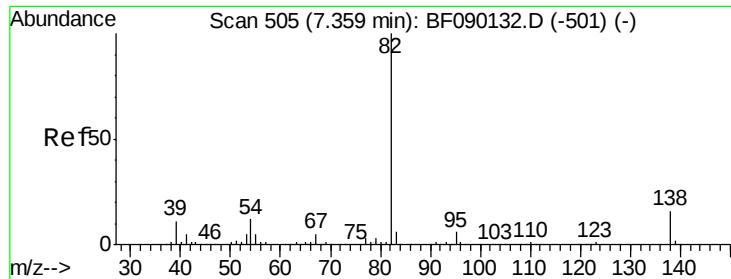
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#24
 Nitrobenzene
 Concen: 38.29 ng
 RT: 7.07 min Scan# 480
 Delta R.T. -0.00 min
 Lab File: BF090228.D
 Acq: 26 Sep 2016 18:24

Tgt Ion	77	Resp	411877
Ion Ratio	100	Lower	Upper
77	100		
123	47.5	33.4	50.2
65	12.7	10.1	15.1





#25

Isophorone

Concen: 38.47 ng

RT: 7.32 min Scan# 502

Delta R.T. -0.00 min

Lab File: BF090228.D

Acq: 26 Sep 2016 18:24

Instrument :

BNA_F

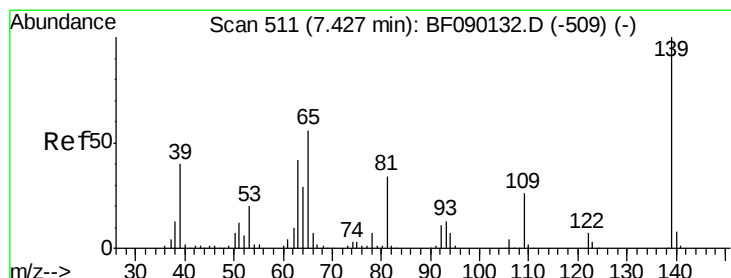
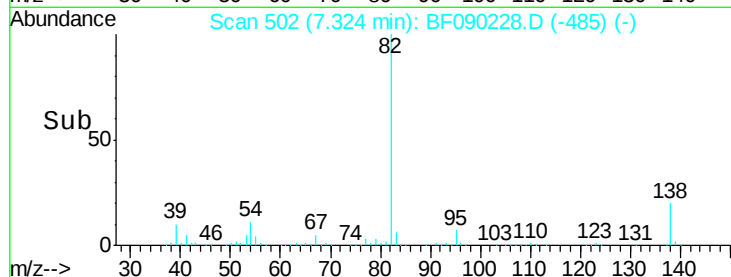
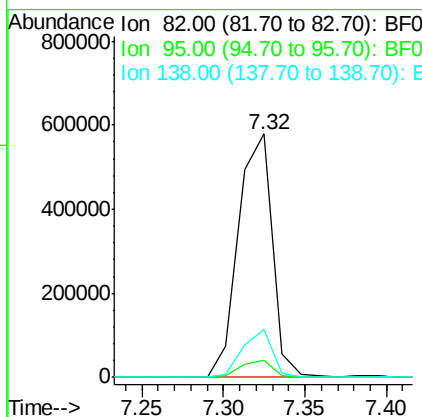
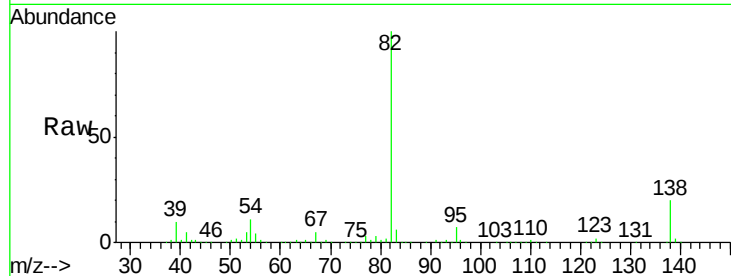
ClientSampleId :

MW-04I-092216MS

Tot Ion:	82	Resp:	829779
Ion Ratio	Lower	Upper	
82	100		
95	6.9	5.1	7.7
138	19.6	13.5	20.3

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#26

2-Nitrophenol

Concen: 42.20 ng

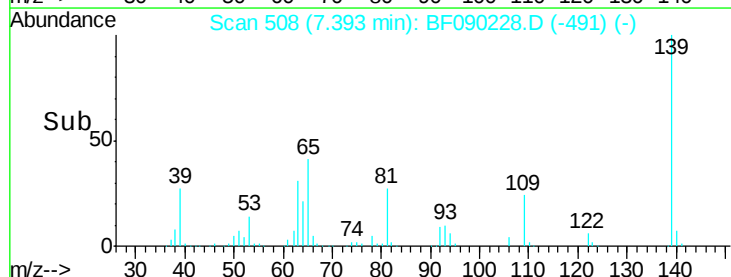
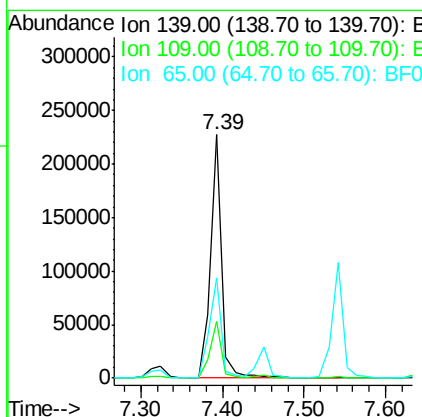
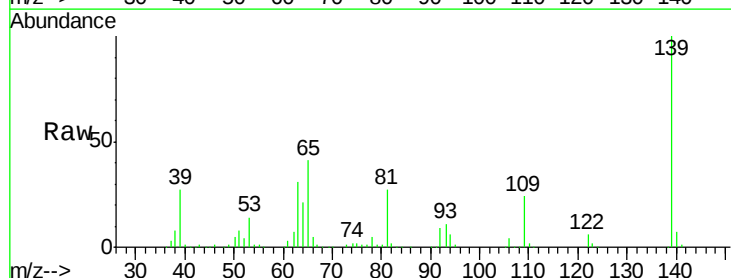
RT: 7.39 min Scan# 508

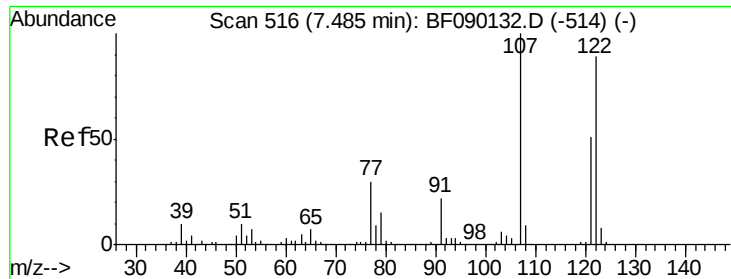
Delta R.T. -0.00 min

Lab File: BF090228.D

Acq: 26 Sep 2016 18:24

Tgt Ion:	139	Resp:	223521
Ion Ratio	Lower	Upper	
139	100		
109	23.6	20.5	30.7
65	41.1	37.9	56.9





#27

2,4-Dimethylphenol

Concen: 35.24 ng

RT: 7.45 min Scan# 513

Delta R.T. -0.00 min

Lab File: BF090228.D

Acq: 26 Sep 2016 18:24

Instrument :

BNA_F

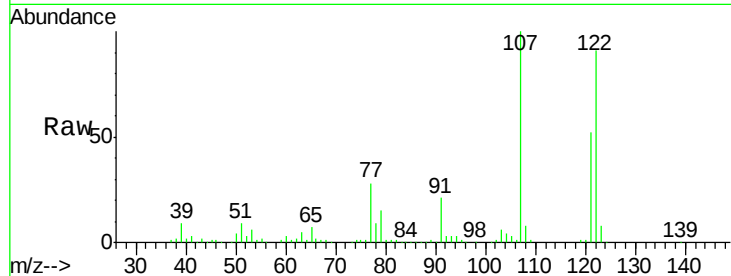
ClientSampleId :

MW-04I-092216MS

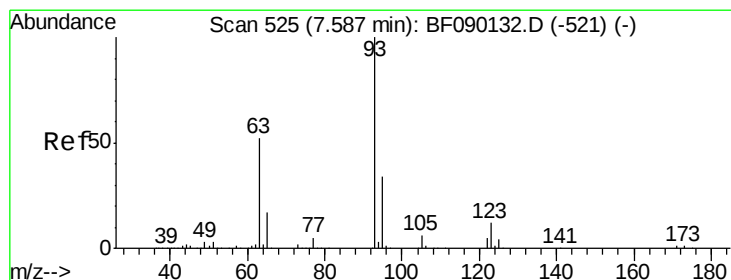
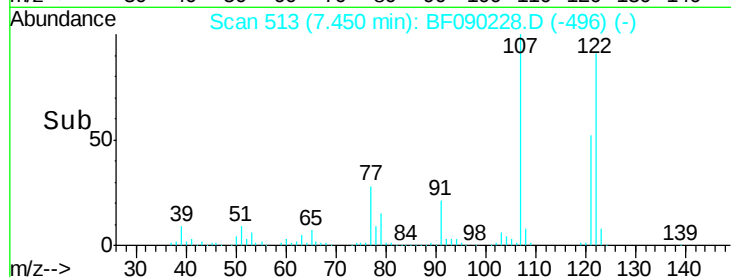
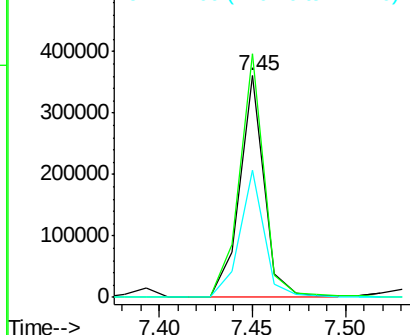
Tot Ion:	122	Resp:	331641
Ion Ratio	Lower	Upper	
122	100		
107	109.9	87.8	131.6
121	57.2	45.7	68.5

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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: 40.00 ng

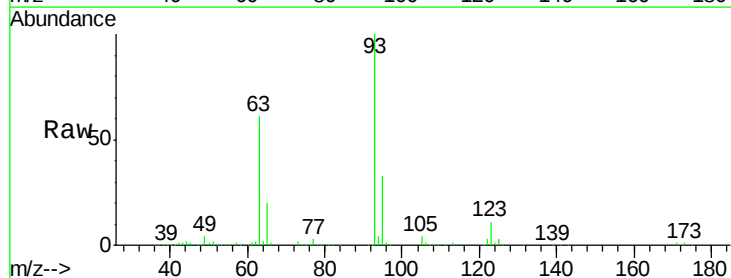
RT: 7.54 min Scan# 521

Delta R.T. -0.00 min

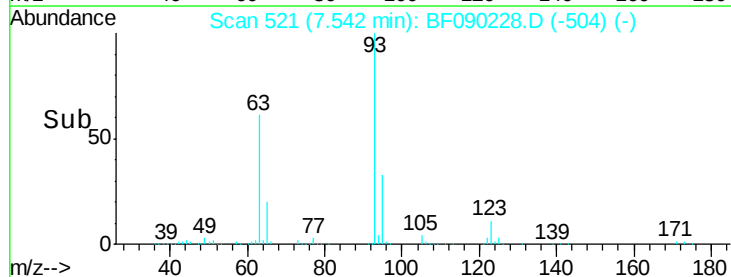
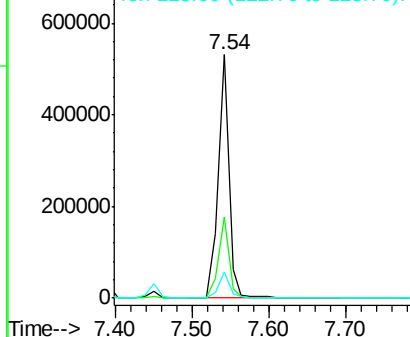
Lab File: BF090228.D

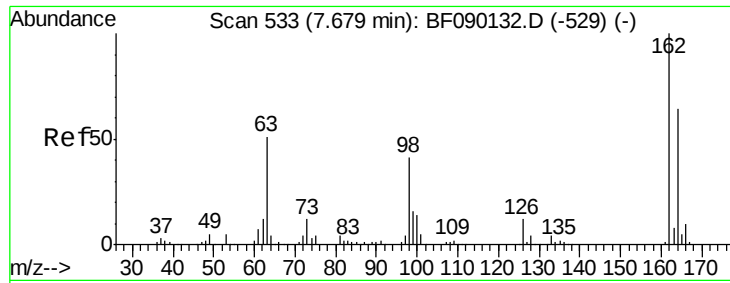
Acq: 26 Sep 2016 18:24

Tgt Ion:	93	Resp:	521877
Ion Ratio	Lower	Upper	
93	100		
95	33.3	26.8	40.2
123	10.6	8.5	12.7



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





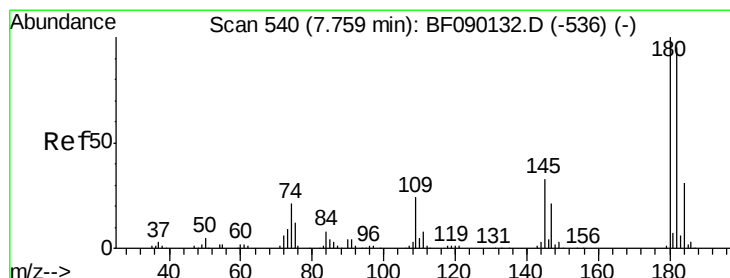
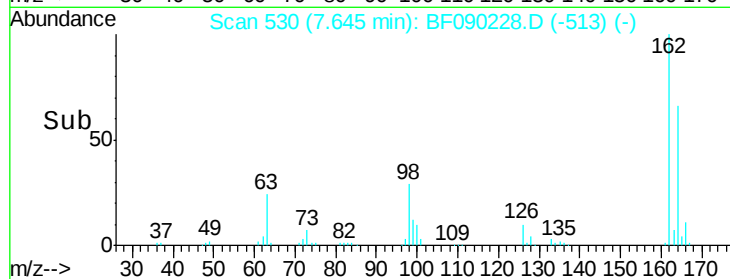
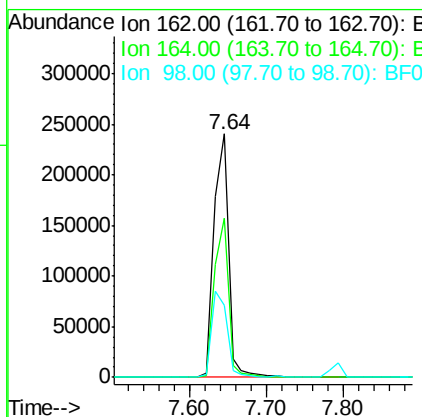
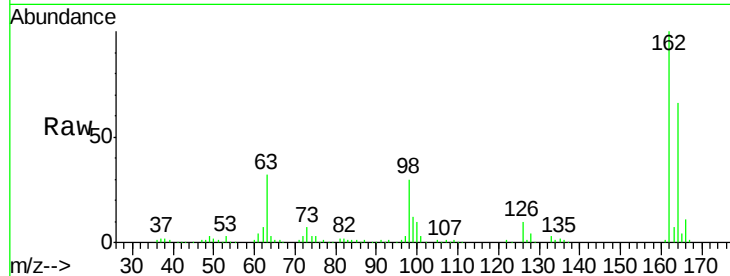
#29
 2,4-Dichlorophenol
 Concen: 38.30 ng
 RT: 7.64 min Scan# 530
 Delta R.T. -0.00 min
 Lab File: BF090228.D
 Acq: 26 Sep 2016 18:24

Instrument :
 BNA_F
 ClientSampleId :
 MW-04I-092216MS

Tot Ion:	162	Resp:	316165
Ion Ratio	Lower	Upper	
162	100		
164	65.6	46.2	86.2
98	29.6	10.4	50.4

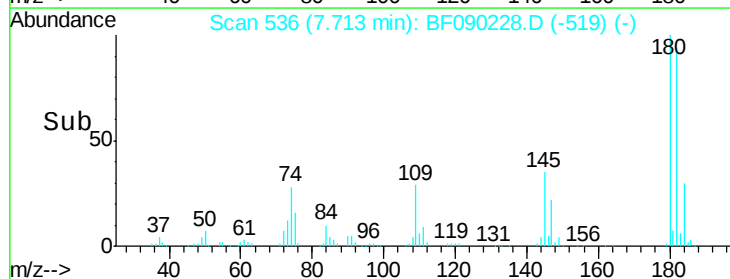
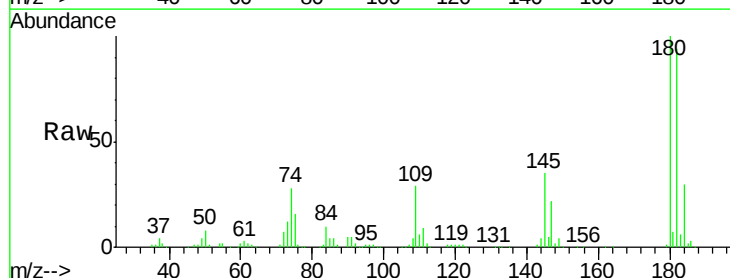
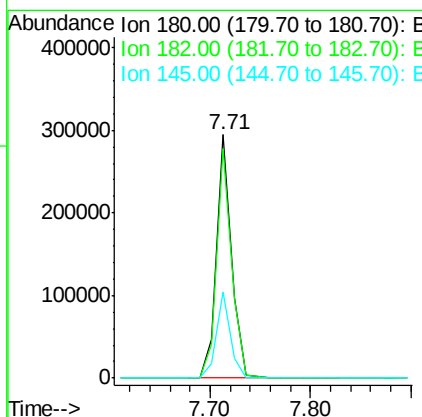
Manual Integrations
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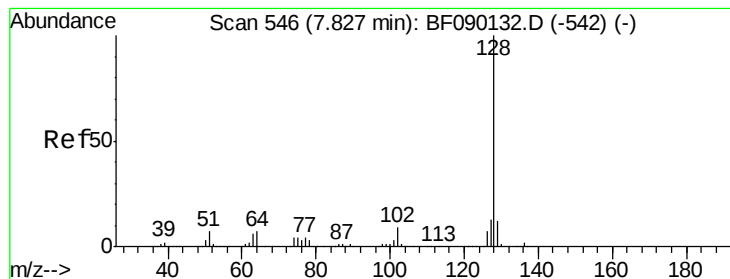
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#30
 1,2,4-Trichlorobenzene
 Concen: 36.96 ng
 RT: 7.71 min Scan# 536
 Delta R.T. -0.00 min
 Lab File: BF090228.D
 Acq: 26 Sep 2016 18:24

Tgt Ion:	180	Resp:	304753
Ion Ratio	Lower	Upper	
180	100		
182	94.2	75.0	112.6
145	35.4	28.6	42.8





#31

Naphthalene

Concen: 42.01 ng

RT: 7.79 min Scan# 543

Delta R.T. -0.00 min

Lab File: BF090228.D

Acq: 26 Sep 2016 18:24

Instrument :

BNA_F

ClientSampleId :

MW-04I-092216MS

Tot Ion:128 Resp: 1197083

Ion Ratio Lower Upper

128 100

129 11.4 9.3 13.9

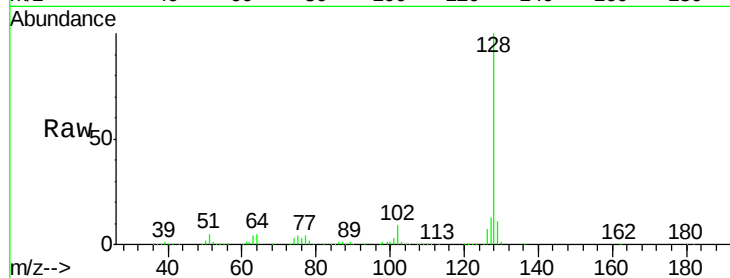
127 13.5 10.8 16.2

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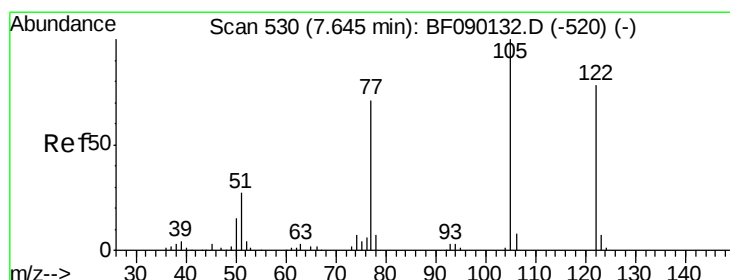
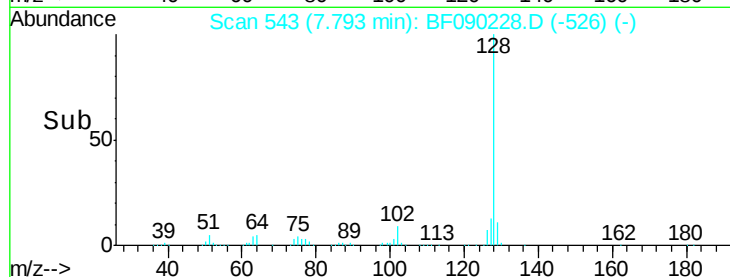
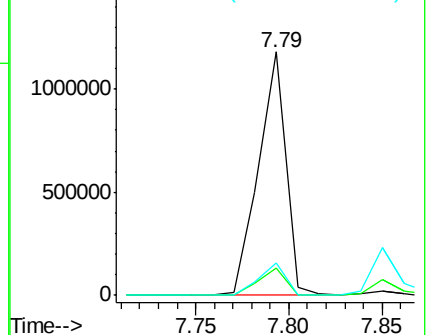
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 11.76 ng

RT: 7.56 min Scan# 523

Delta R.T. -0.03 min

Lab File: BF090228.D

Acq: 26 Sep 2016 18:24

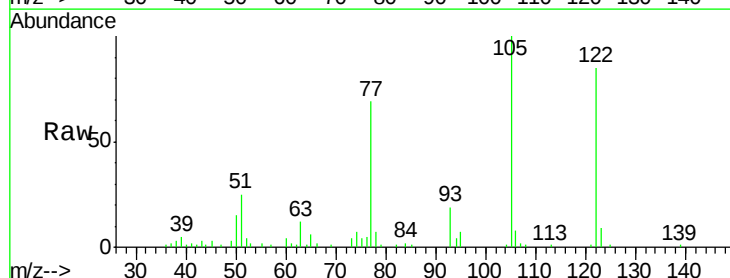
Tgt Ion:122 Resp: 75985

Ion Ratio Lower Upper

122 100

105 117.7 105.0 145.0

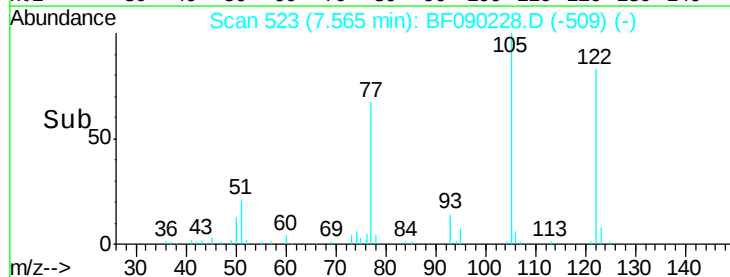
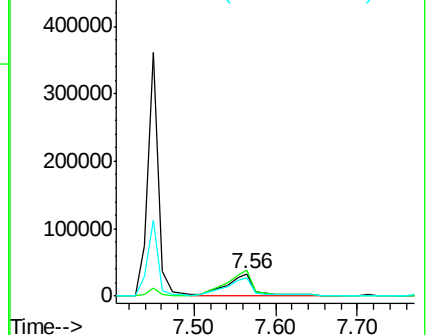
77 81.2 70.4 110.4

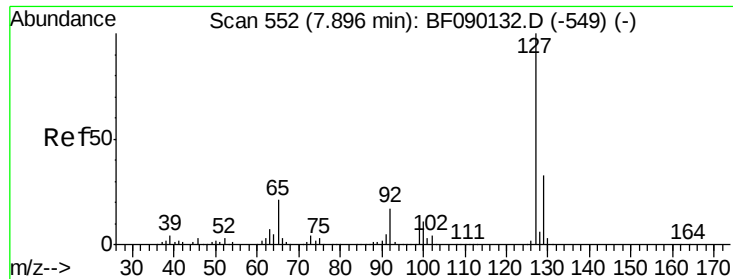


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





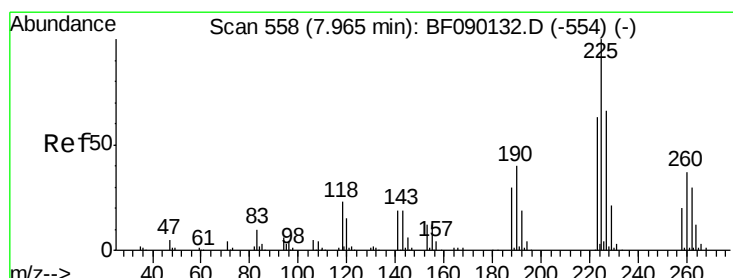
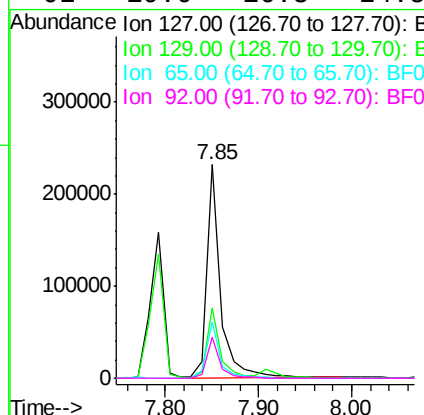
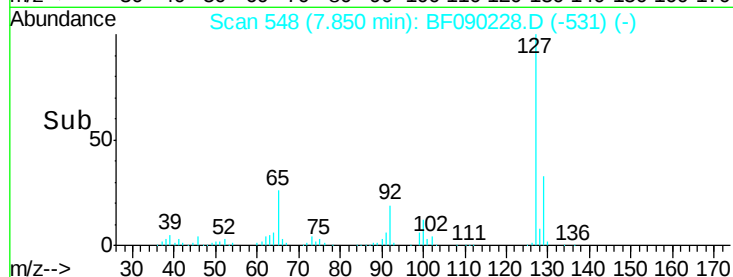
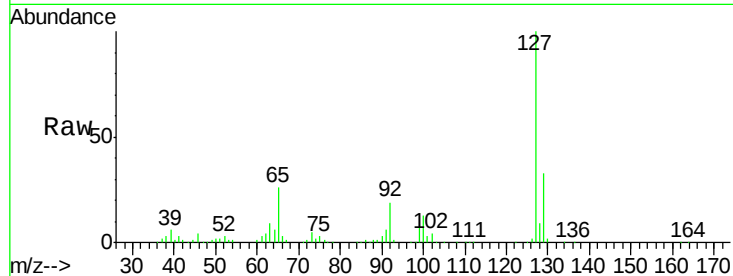
#33
4-Chloroaniline
Concen: 20.38 ng
RT: 7.85 min Scan# 548
Delta R.T. -0.00 min
Lab File: BF090228.D
Acq: 26 Sep 2016 18:24

Instrument :
BNA_F
ClientSampleId :
MW-04I-092216MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		240932		
129	32.8	25.8	38.6		
65	26.3	24.1	36.1		
92	19.0	16.3	24.5		

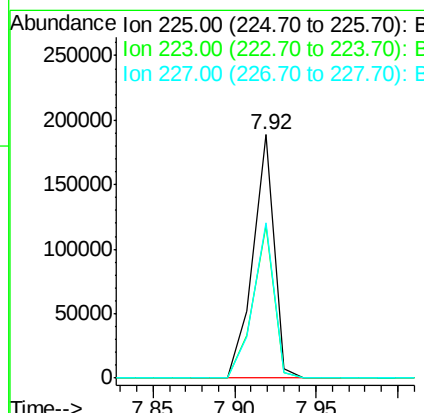
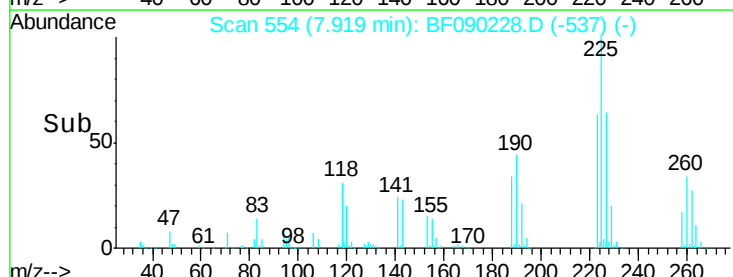
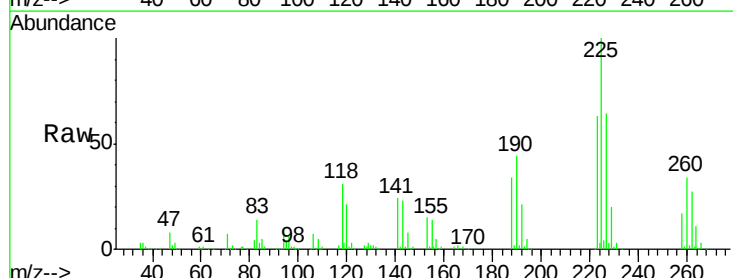
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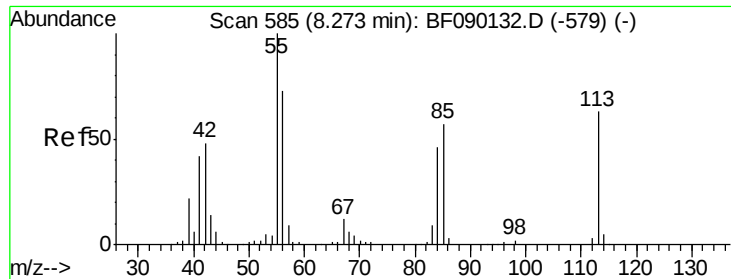
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#34
Hexachlorobutadiene
Concen: 39.19 ng
RT: 7.92 min Scan# 554
Delta R.T. -0.00 min
Lab File: BF090228.D
Acq: 26 Sep 2016 18:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		170451		
223	62.8	51.3	76.9		
227	63.9	51.4	77.0		





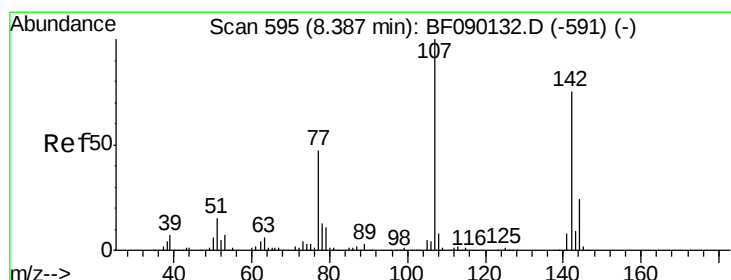
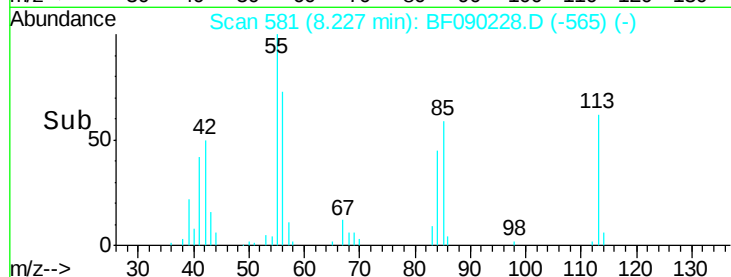
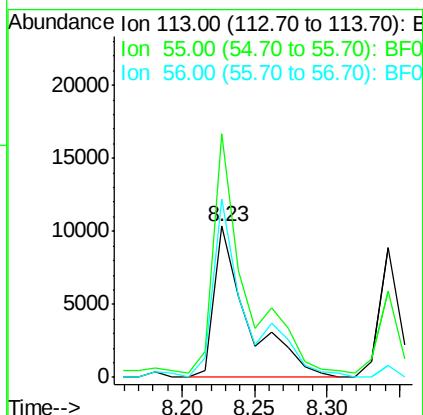
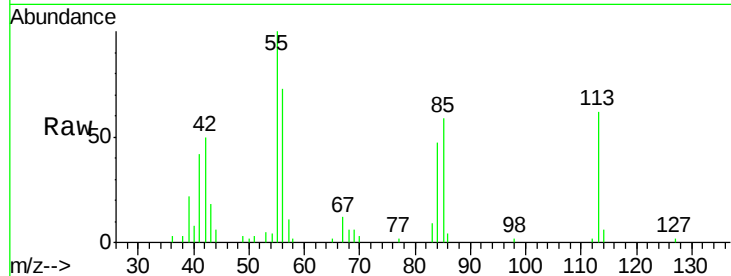
#35
 Caprolactam
 Concen: 6.19 ng
 RT: 8.23 min Scan# 581
 Delta R.T. -0.01 min
 Lab File: BF090228.D
 Acq: 26 Sep 2016 18:24

Instrument :
 BNA_F
 ClientSampleId :
 MW-04I-092216MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
113	100				
55	161.1		134.5	174.5	
56	117.6		93.7	133.7	

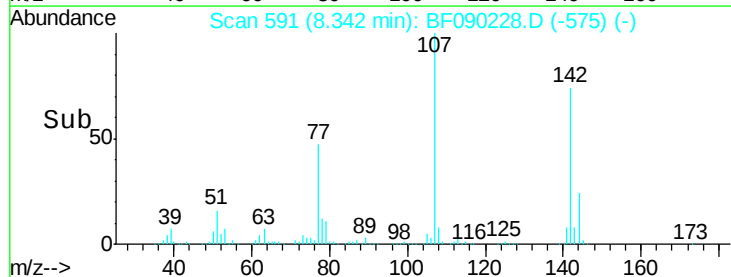
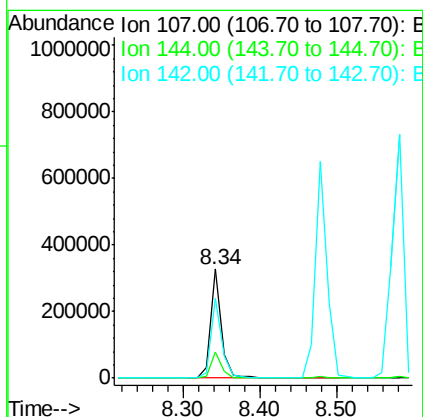
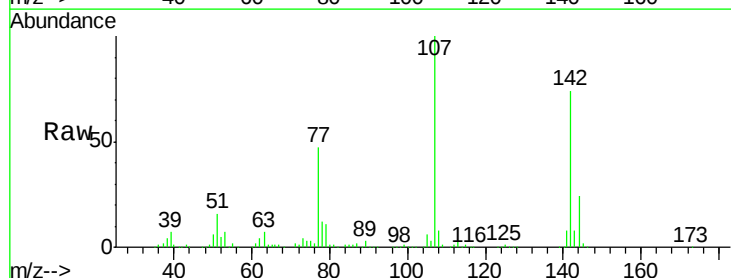
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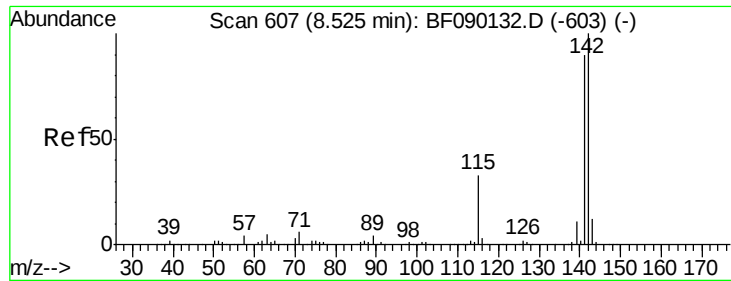
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#36
 4-Chloro-3-methylphenol
 Concen: 34.09 ng
 RT: 8.34 min Scan# 591
 Delta R.T. -0.01 min
 Lab File: BF090228.D
 Acq: 26 Sep 2016 18:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
144	23.7		18.6	27.8	
142	73.7		57.0	85.6	





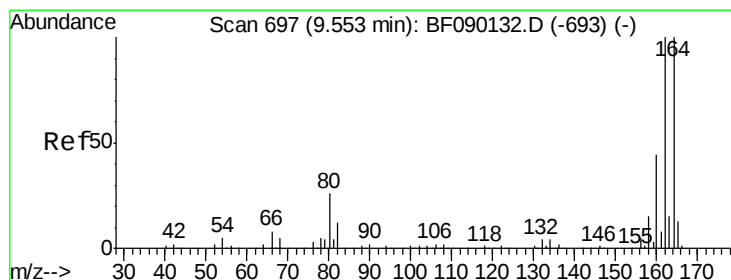
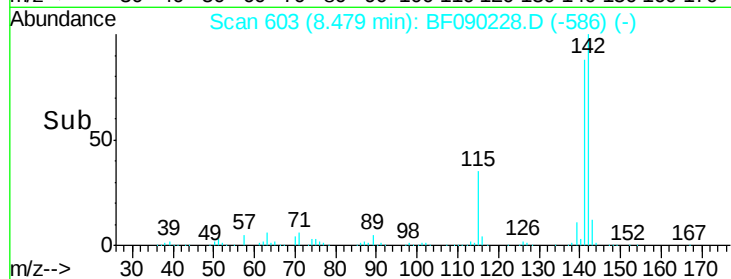
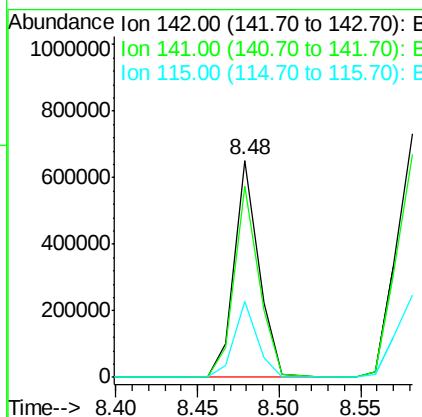
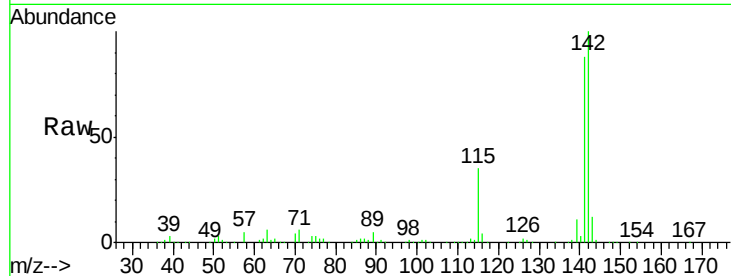
#37
2-Methylnaphthalene
Concen: 38.49 ng
RT: 8.48 min Scan# 603
Delta R.T. -0.00 min
Lab File: BF090228.D
Acq: 26 Sep 2016 18:24

Instrument :
BNA_F
ClientSampleId :
MW-04I-092216MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
142	100		682004		
141	88.2	71.4	107.2		
115	35.1	28.3	42.5		

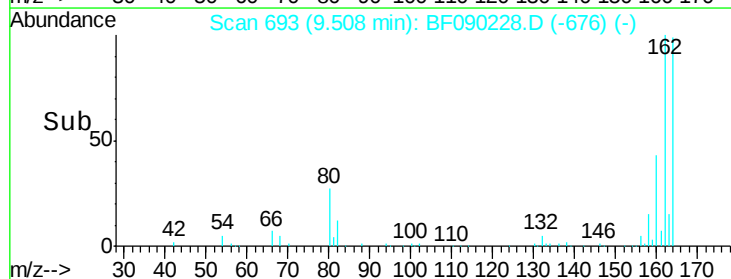
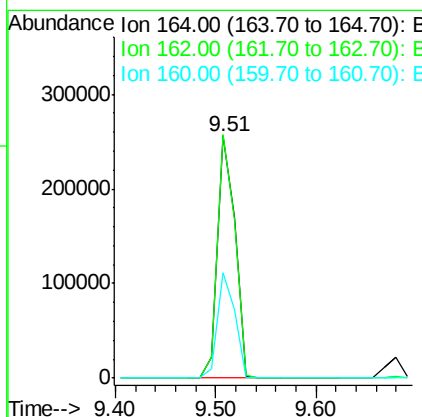
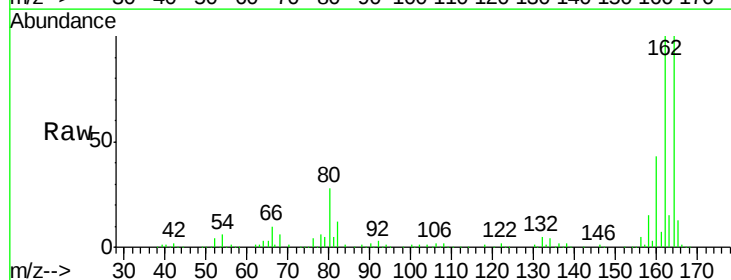
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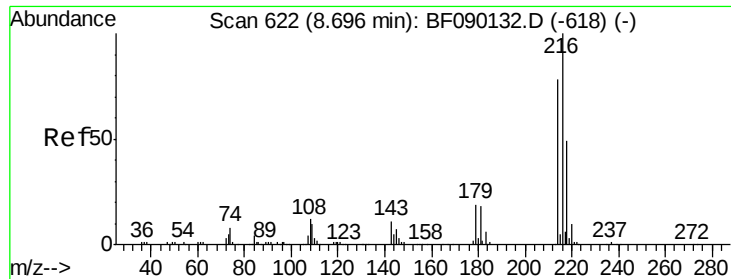
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.51 min Scan# 693
Delta R.T. -0.00 min
Lab File: BF090228.D
Acq: 26 Sep 2016 18:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
164	100		310822		
162	100.5	81.4	122.2		
160	43.7	36.6	54.8		





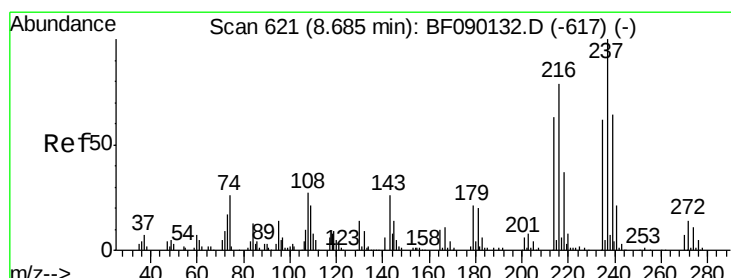
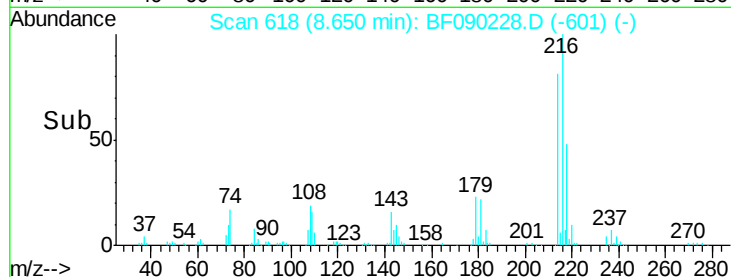
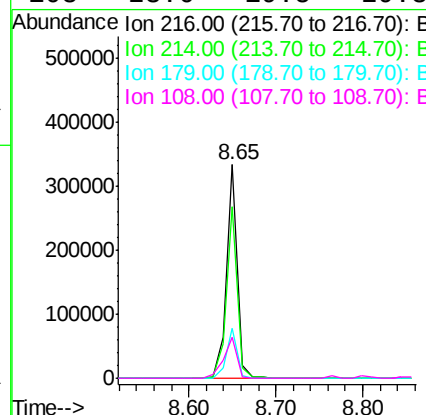
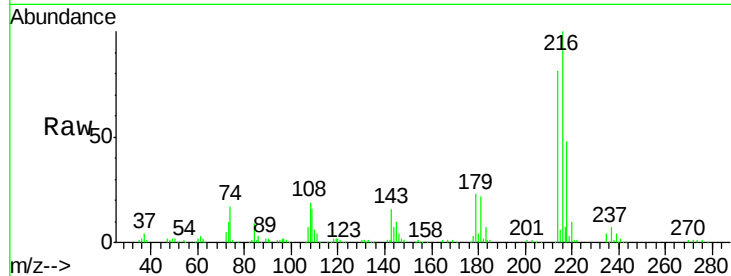
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 41.25 ng
 RT: 8.65 min Scan# 618
 Delta R.T. -0.00 min
 Lab File: BF090228.D
 Acq: 26 Sep 2016 18:24

Instrument :
 BNA_F
 ClientSampleId :
 MW-04I-092216MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
216	100		294304		
214	80.5	63.7	95.5		
179	23.1	18.5	27.7		
108	23.6	19.5	29.3		

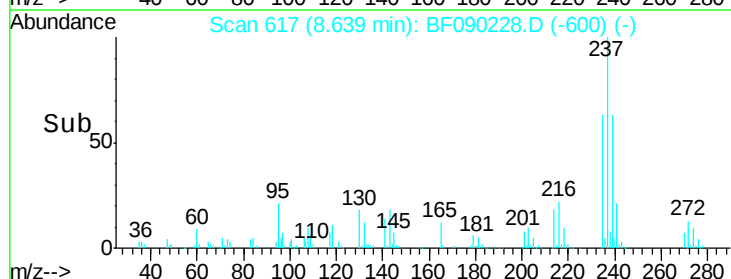
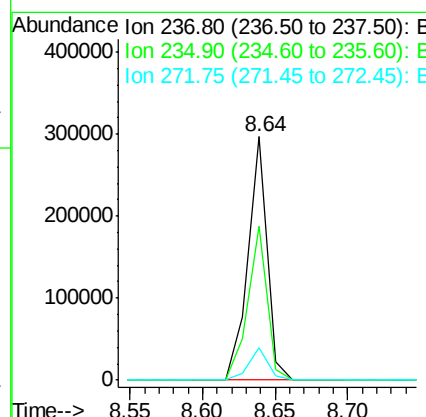
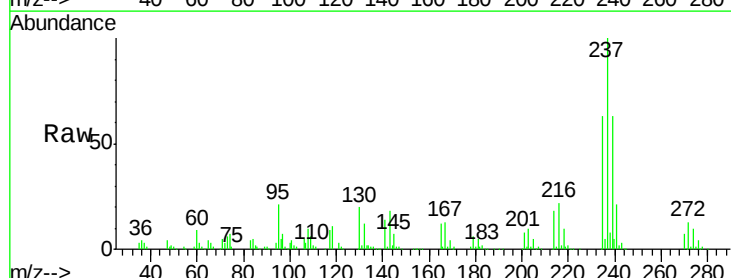
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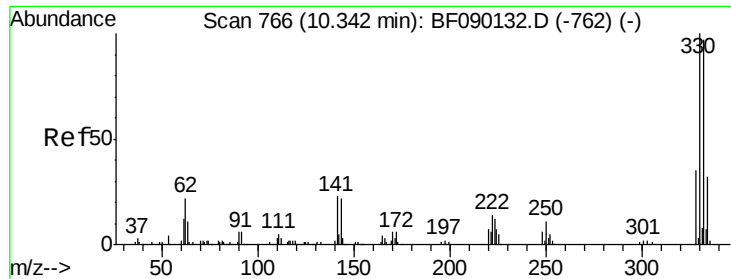
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#40
 Hexachlorocyclopentadiene
 Concen: 77.54 ng
 RT: 8.64 min Scan# 617
 Delta R.T. -0.00 min
 Lab File: BF090228.D
 Acq: 26 Sep 2016 18:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
237	100		273000		
235	63.2	42.5	82.5		
272	13.3	0.0	32.0		





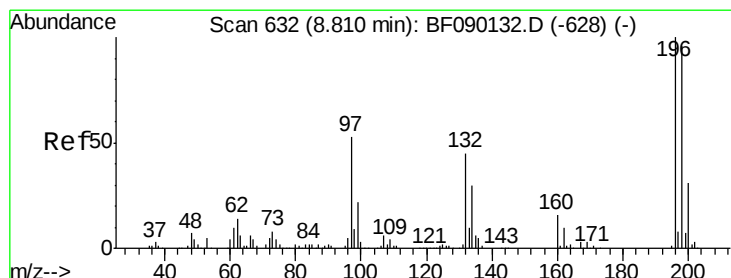
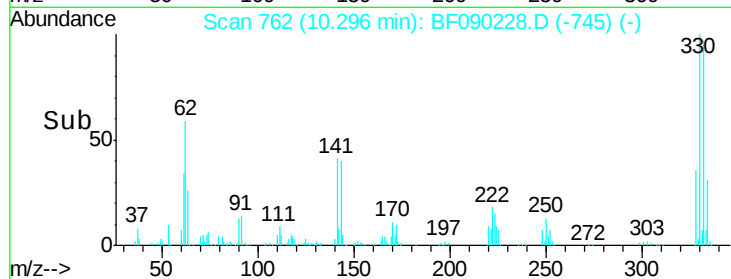
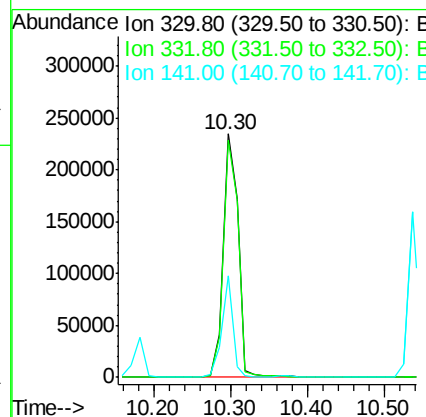
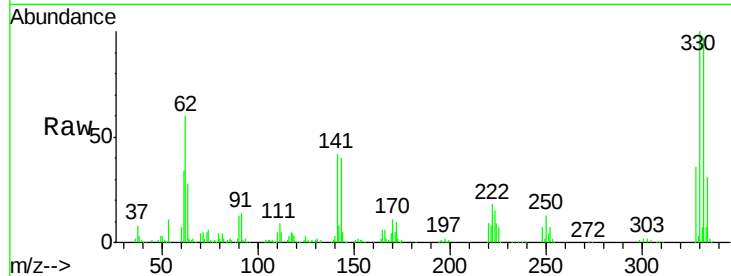
#41
 2,4,6-Tribromophenol
 Concen: 120.74 ng
 RT: 10.30 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: BF090228.D
 Acq: 26 Sep 2016 18:24

Instrument :
 BNA_F
 ClientSampleId :
 MW-04I-092216MS

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	78.1	117.1
141	30.7	23.9	35.9

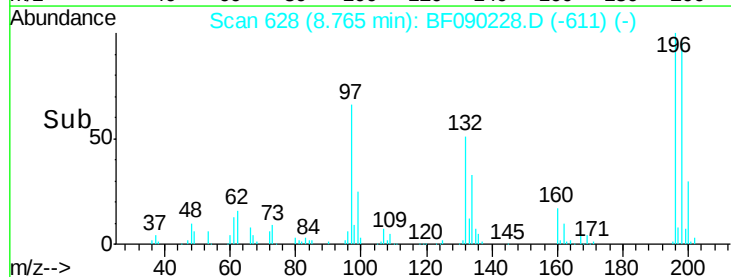
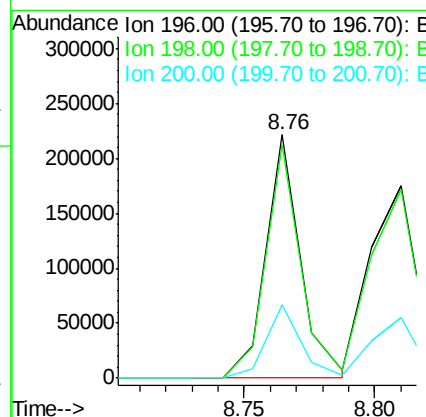
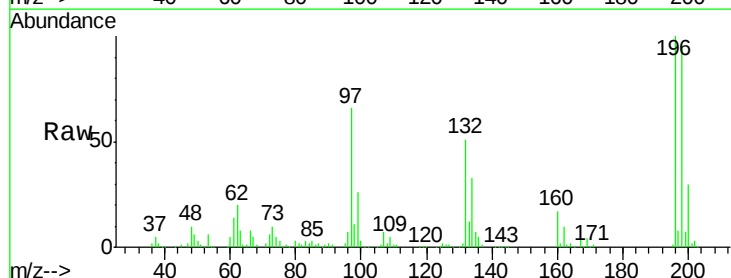
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#42
 2,4,6-Trichlorophenol
 Concen: 40.55 ng
 RT: 8.76 min Scan# 628
 Delta R.T. -0.00 min
 Lab File: BF090228.D
 Acq: 26 Sep 2016 18:24

Tgt Ion	Ratio	Lower	Upper
196	100		
198	96.1	76.3	114.5
200	30.0	24.1	36.1





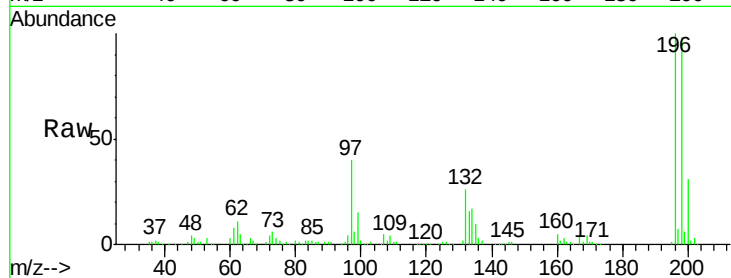
#43
 2,4,5-Trichlorophenol
 Concen: 41.85 ng
 RT: 8.81 min Scan# 632
 Delta R.T. -0.00 min
 Lab File: BF090228.D
 Acq: 26 Sep 2016 18:24

Instrument :
 BNA_F
 ClientSampleId :
 MW-04I-092216MS

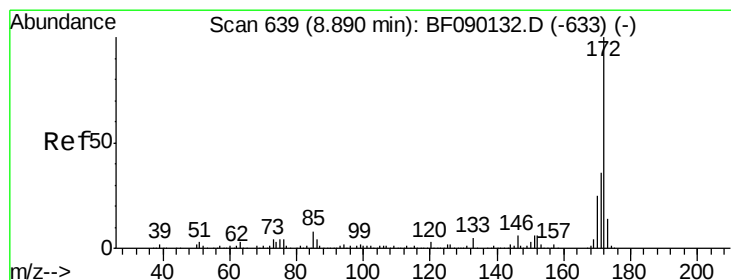
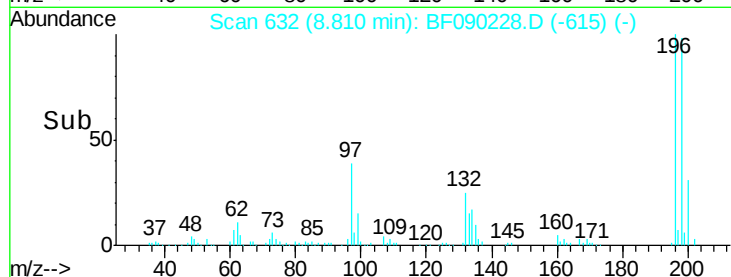
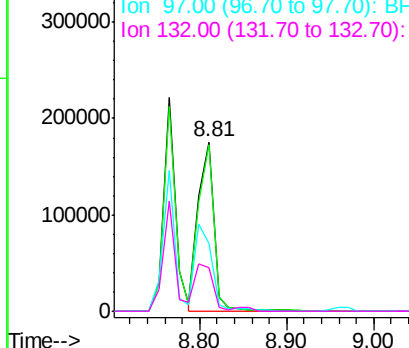
Tot Ion	196	Resp	220298
Ion Ratio	Lower	Upper	
196	100		
198	98.2	76.6	114.8
97	39.8	34.4	51.6
132	25.6	22.2	33.2

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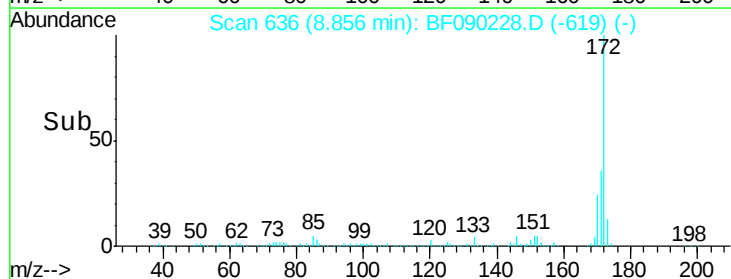
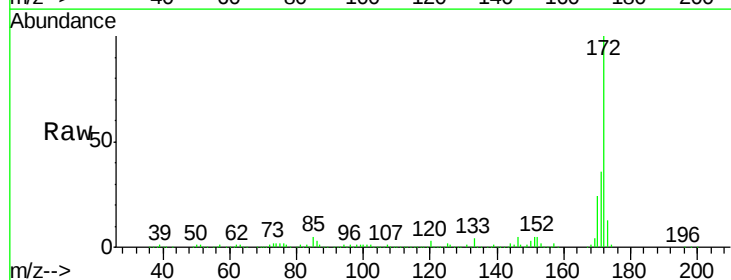
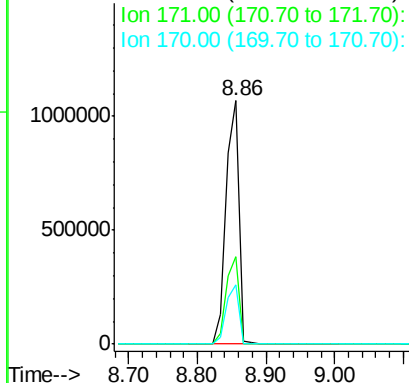
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

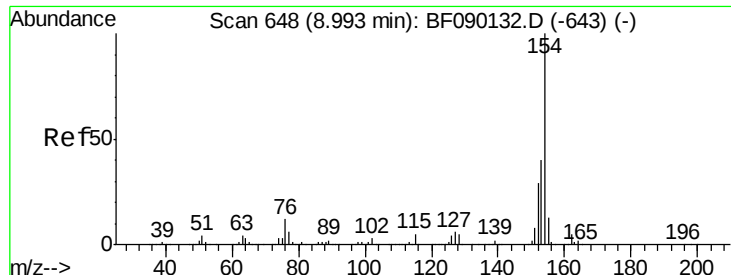


#44
 2-Fluorobiphenyl
 Concen: 89.93 ng
 RT: 8.86 min Scan# 636
 Delta R.T. -0.00 min
 Lab File: BF090228.D
 Acq: 26 Sep 2016 18:24

Tgt Ion	172	Resp	1423765
Ion Ratio	Lower	Upper	
172	100		
171	35.7	29.2	43.8
170	24.3	19.8	29.8

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





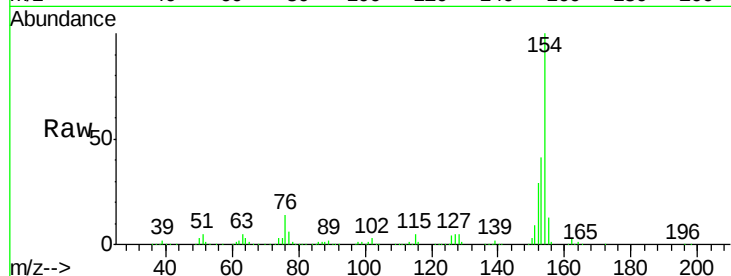
#45
 1,1'-Biphenyl
 Concen: 40.52 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.00 min
 Lab File: BF090228.D
 Acq: 26 Sep 2016 18:24

Instrument :
 BNA_F
 ClientSampleId :
 MW-04I-092216MS

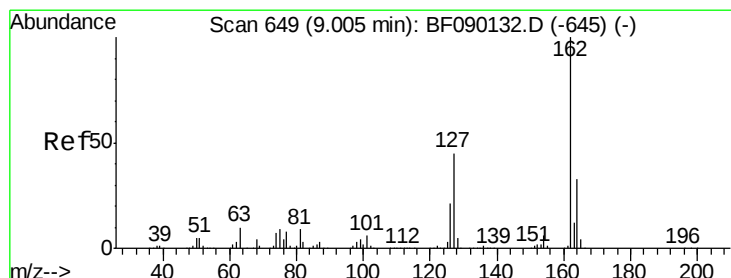
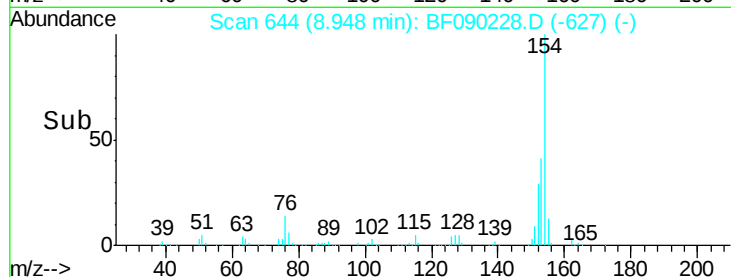
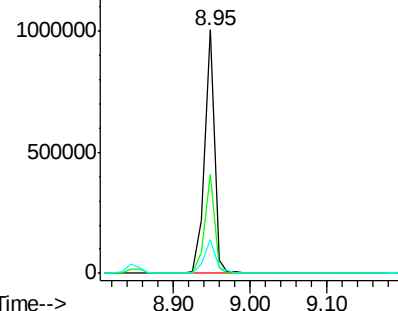
Tot Ion:	154	Resp:	901080
Ion Ratio		Lower	Upper
154	100		
153	40.9	20.6	60.6
76	13.8	0.0	36.7

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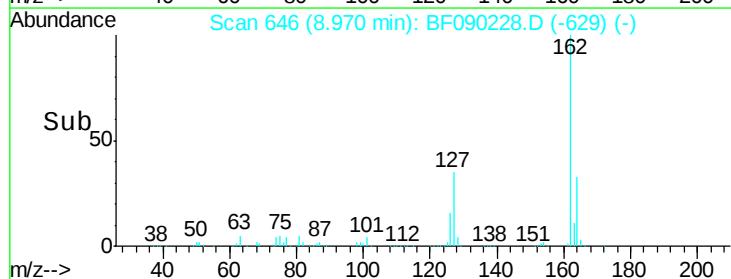
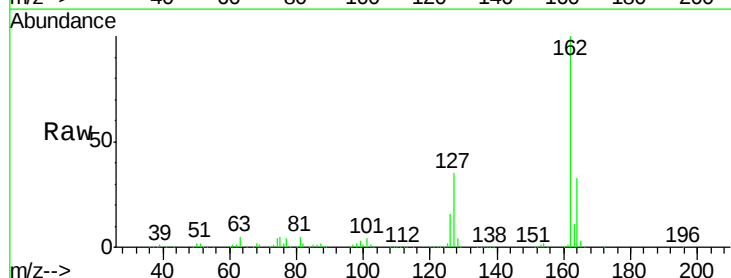
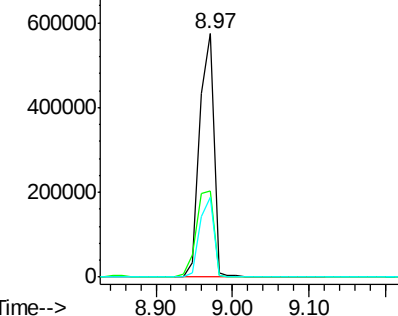
Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

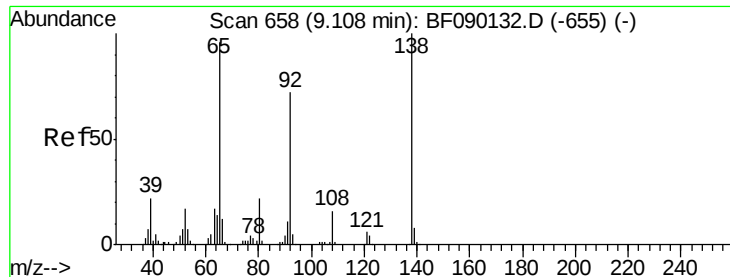


#46
 2-Chloronaphthalene
 Concen: 44.66 ng
 RT: 8.97 min Scan# 646
 Delta R.T. -0.00 min
 Lab File: BF090228.D
 Acq: 26 Sep 2016 18:24

Tgt Ion:	162	Resp:	732727
Ion Ratio		Lower	Upper
162	100		
127	35.2	34.0	51.0
164	33.0	26.8	40.2

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





#47

2-Nitroaniline

Concen: 44.13 ng

RT: 9.07 min Scan# 655

Delta R.T. -0.00 min

Lab File: BF090228.D

Acq: 26 Sep 2016 18:24

Instrument :

BNA_F

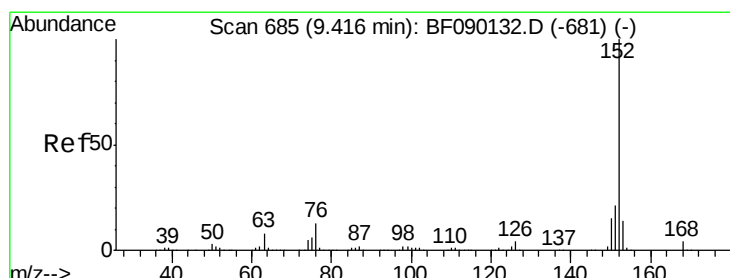
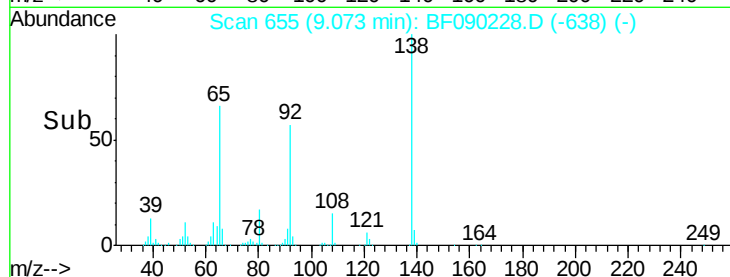
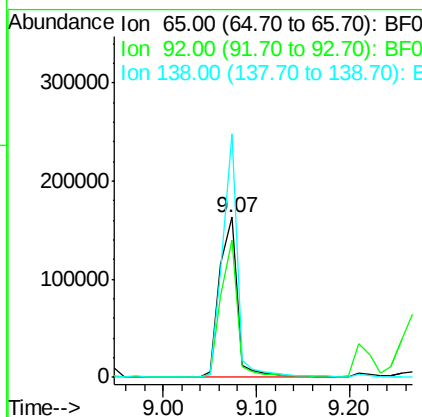
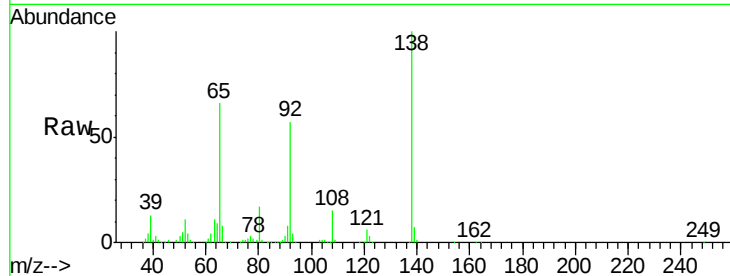
ClientSampleId :

MW-04I-092216MS

Tot Ion:	65	Resp:	218264
Ion Ratio	Lower	Upper	
65	100		
92	86.3	66.1	99.1
138	152.3	104.1	156.1

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#48

Acenaphthylene

Concen: 38.87 ng

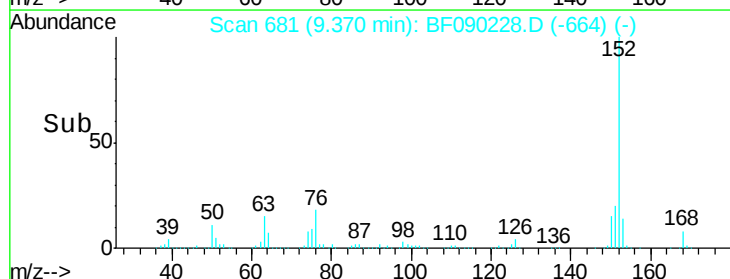
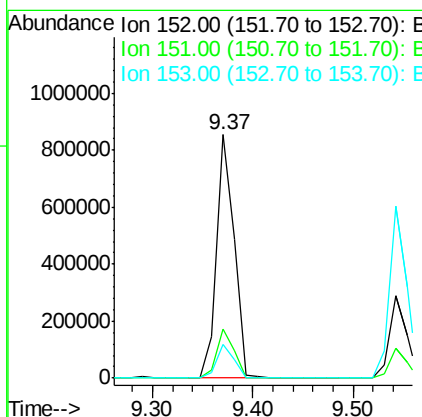
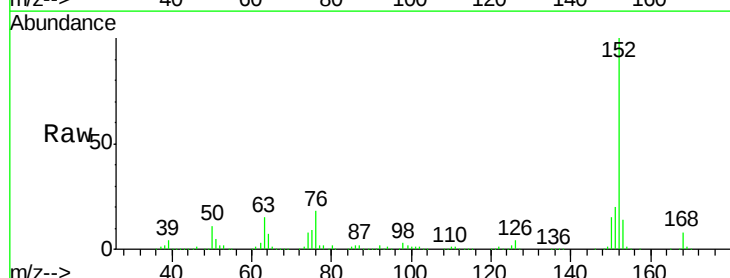
RT: 9.37 min Scan# 681

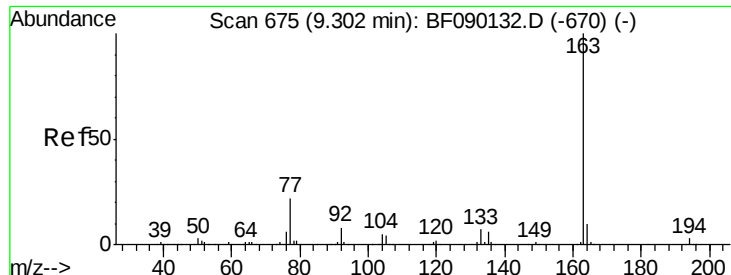
Delta R.T. -0.00 min

Lab File: BF090228.D

Acq: 26 Sep 2016 18:24

Tgt Ion:	152	Resp:	1035533
Ion Ratio	Lower	Upper	
152	100		
151	20.3	16.5	24.7
153	13.6	10.6	15.8





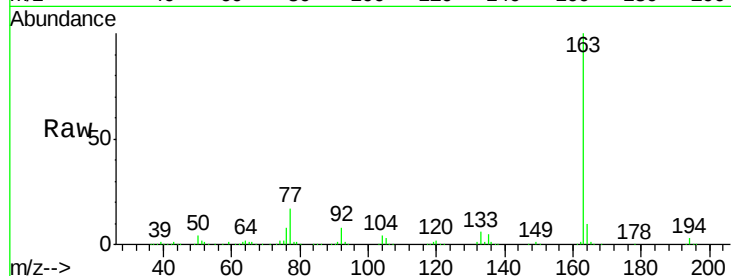
#49
Dimethylphthalate
Concen: 47.30 ng
RT: 9.27 min Scan# 672
Delta R.T. -0.00 min
Lab File: BF090228.D
Acq: 26 Sep 2016 18:24

Instrument :
BNA_F
ClientSampleId :
MW-04I-092216MS

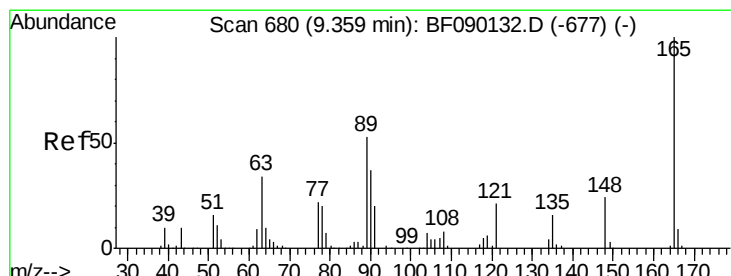
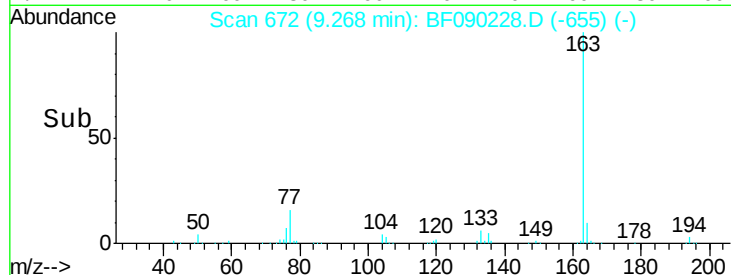
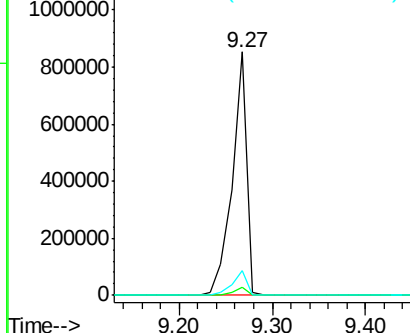
Tot Ion	Ratio	Resp	Lower	Upper
163	100	936418		
194	3.4		2.8	4.2
164	10.2		8.1	12.1

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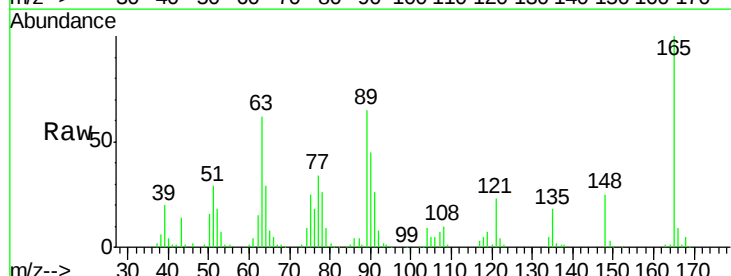


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

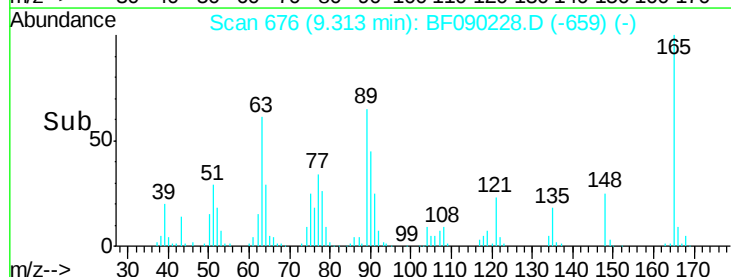
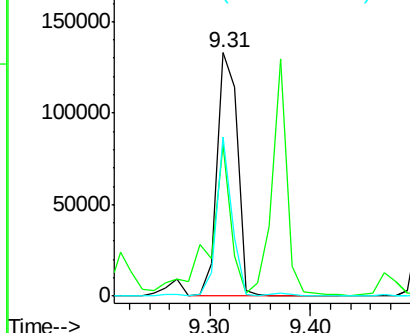


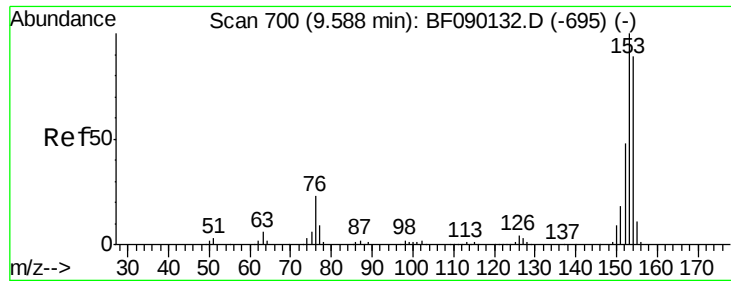
#50
2,6-Dinitrotoluene
Concen: 42.11 ng
RT: 9.31 min Scan# 676
Delta R.T. -0.00 min
Lab File: BF090228.D
Acq: 26 Sep 2016 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	185822		
63	62.0		49.9	74.9
89	65.3		51.0	76.4



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





#51

Acenaphthene

Concen: 40.17 ng

RT: 9.54 min Scan# 696

Delta R.T. -0.00 min

Lab File: BF090228.D

Acq: 26 Sep 2016 18:24

Instrument :

BNA_F

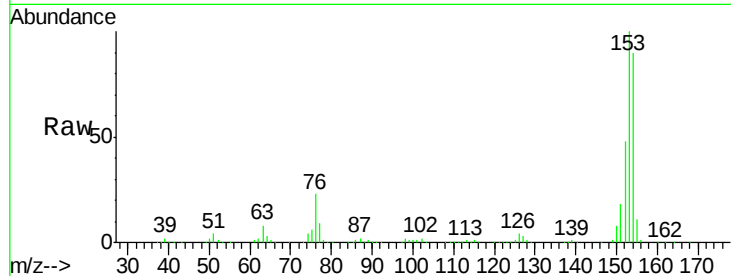
ClientSampleId :

MW-04I-092216MS

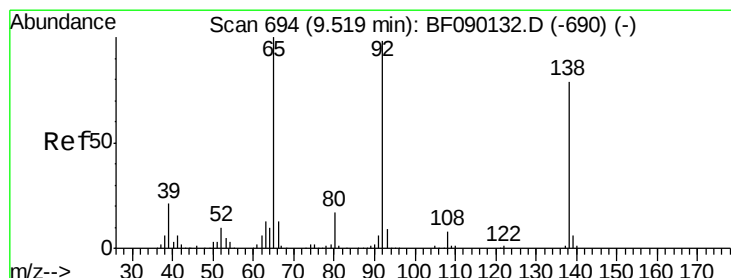
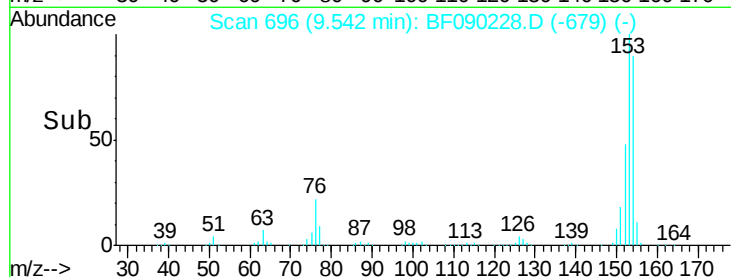
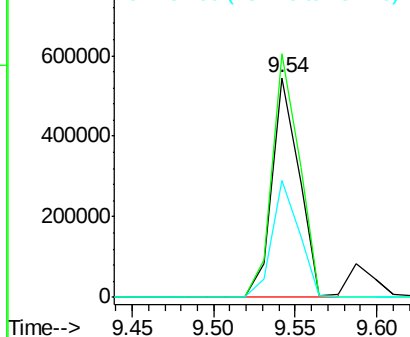
Tot Ion:	154	Resp:	635191
Ion Ratio	Lower	Upper	
154	100		
153	110.8	90.8	136.2
152	53.2	44.2	66.4

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 22.07 ng

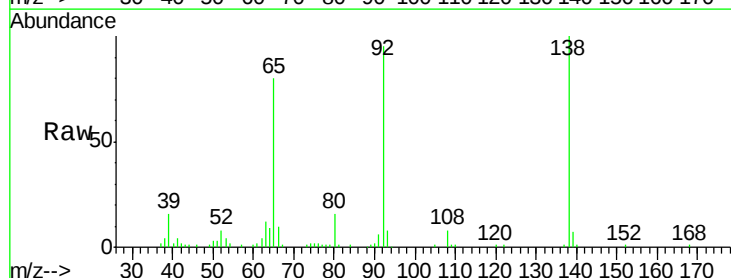
RT: 9.48 min Scan# 691

Delta R.T. -0.00 min

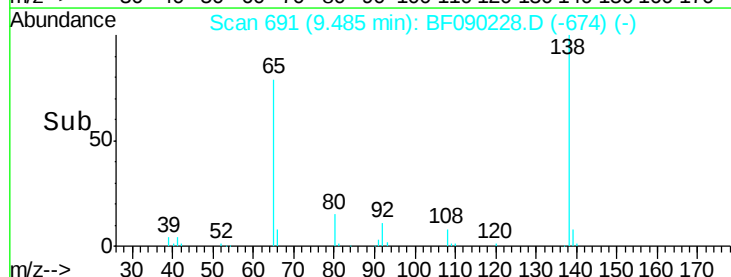
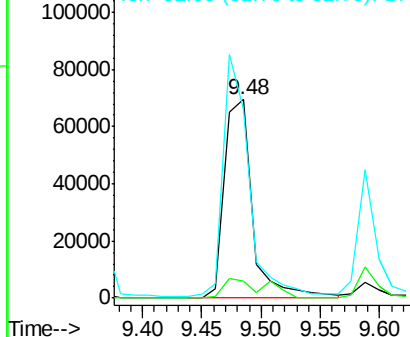
Lab File: BF090228.D

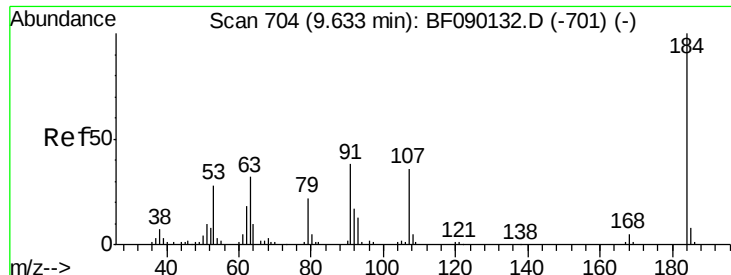
Acq: 26 Sep 2016 18:24

Tgt Ion:	138	Resp:	114179
Ion Ratio	Lower	Upper	
138	100		
108	8.4	7.8	11.6
92	95.2	90.7	136.1



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





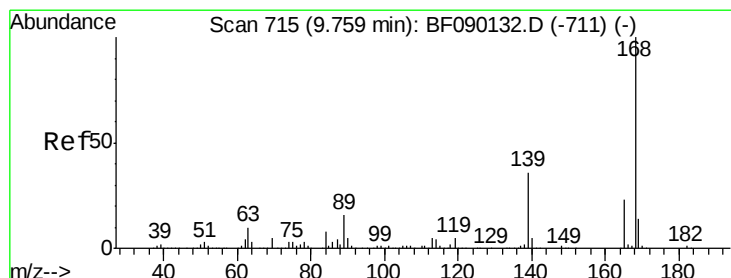
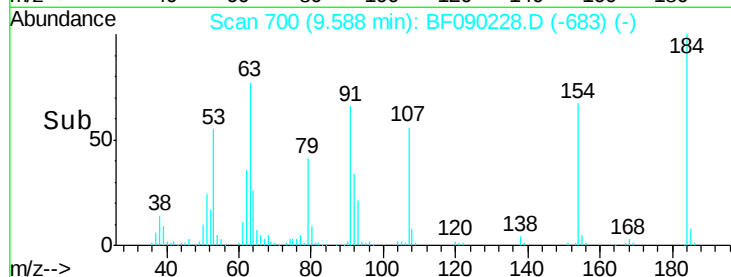
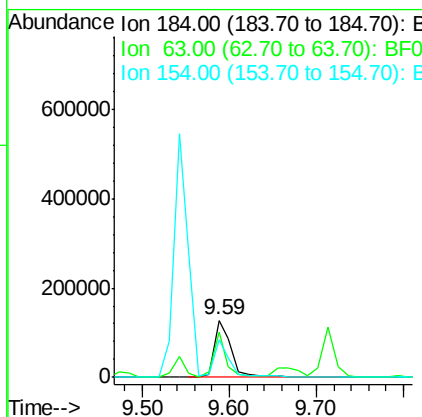
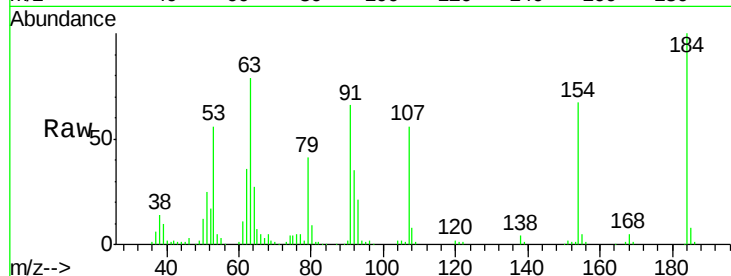
#53
 2,4-Dinitrophenol
 Concen: 73.40 ng
 RT: 9.59 min Scan# 700
 Delta R.T. -0.00 min
 Lab File: BF090228.D
 Acq: 26 Sep 2016 18:24

Instrument :
 BNA_F
 ClientSampleId :
 MW-04I-092216MS

Tot Ion	Ratio	Resp	Lower	Upper
184	100	180485		
63	78.9	44.6	67.0#	
154	66.6	49.7	74.5	

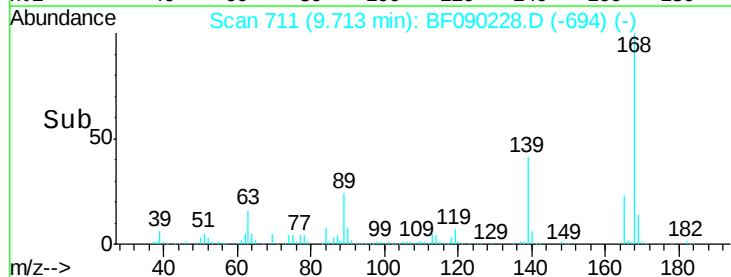
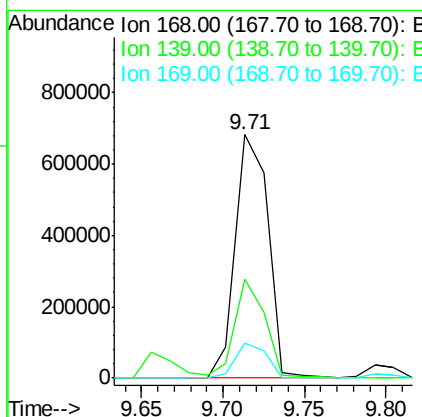
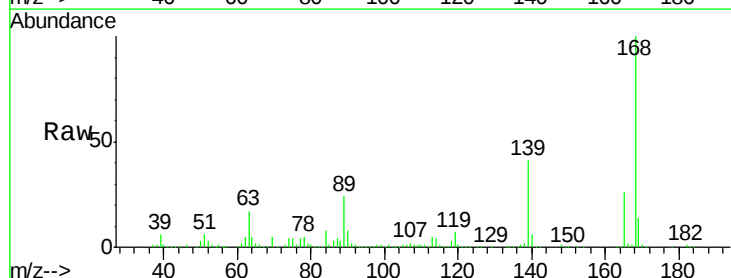
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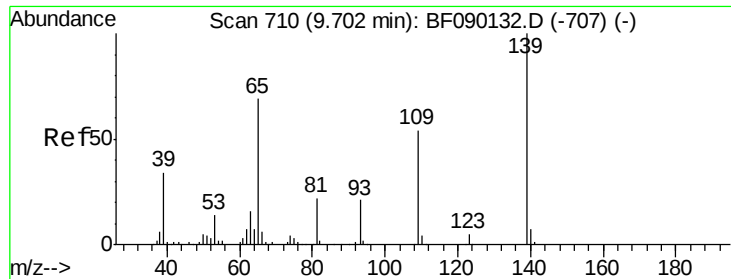
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#54
 Dibenzofuran
 Concen: 45.52 ng
 RT: 9.71 min Scan# 711
 Delta R.T. -0.00 min
 Lab File: BF090228.D
 Acq: 26 Sep 2016 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	947322		
139	40.8	28.8	43.2	
169	14.3	10.7	16.1	





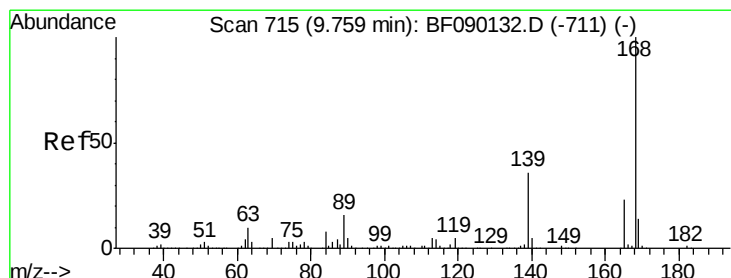
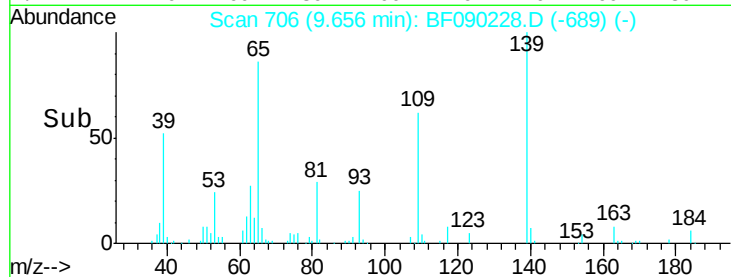
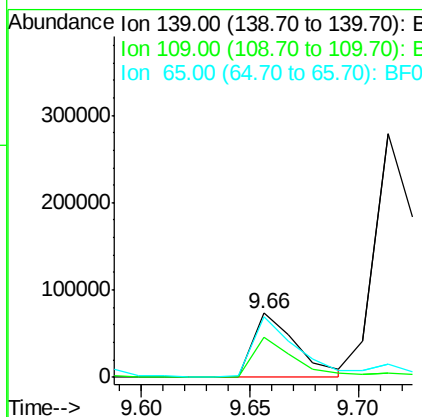
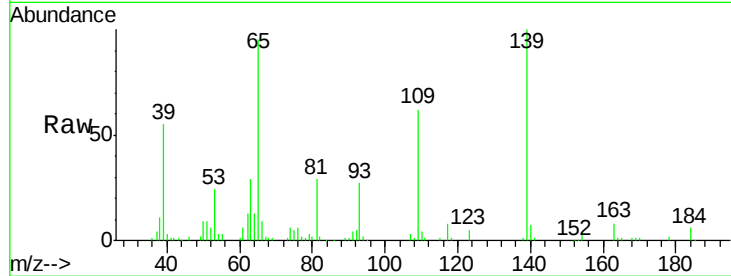
#55
4-Nitrophenol
Concen: 29.00 ng
RT: 9.66 min Scan# 706
Delta R.T. -0.00 min
Lab File: BF090228.D
Acq: 26 Sep 2016 18:24

Instrument :
BNA_F
ClientSampleId :
MW-04I-092216MS

Tot Ion	Ratio	Resp	Lower	Upper
139	100	102777		
109	62.5	35.6	75.6	
65	95.4	55.5	95.5	

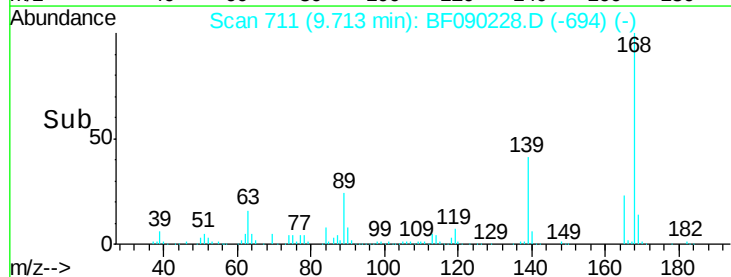
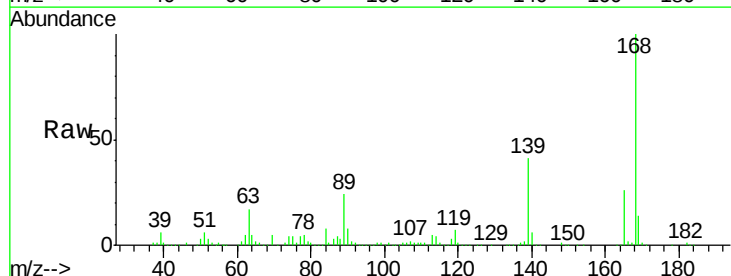
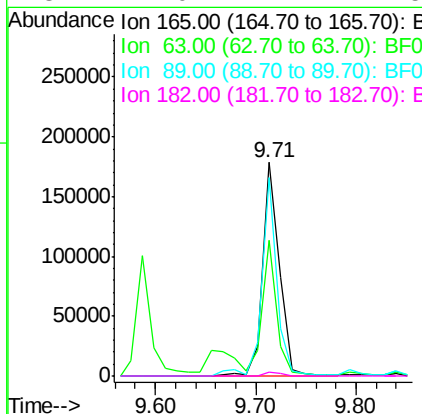
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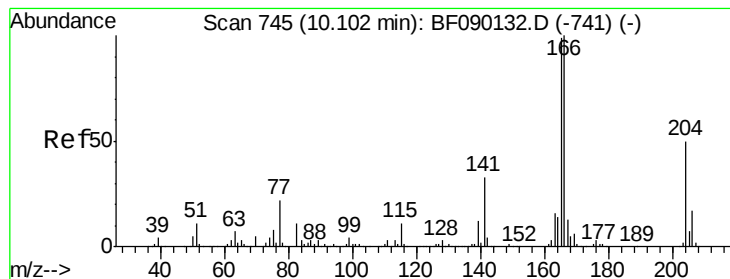
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#56
2,4-Dinitrotoluene
Concen: 39.52 ng
RT: 9.71 min Scan# 711
Delta R.T. -0.00 min
Lab File: BF090228.D
Acq: 26 Sep 2016 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	206188		
63	63.5	44.4	66.6	
89	92.8	70.1	105.1	
182	2.0	1.7	2.5	





#57

Fluorene

Concen: 41.65 ng

RT: 10.06 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF090228.D

Acq: 26 Sep 2016 18:24

Instrument :

BNA_F

ClientSampleId :

MW-04I-092216MS

Tot Ion:166 Resp: 653202

Ion Ratio Lower Upper

166 100

165 99.0 78.5 117.7

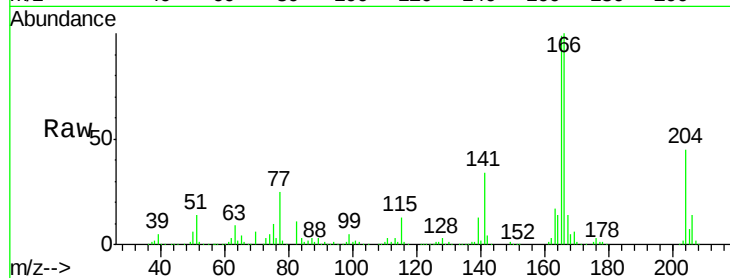
167 13.8 11.2 16.8

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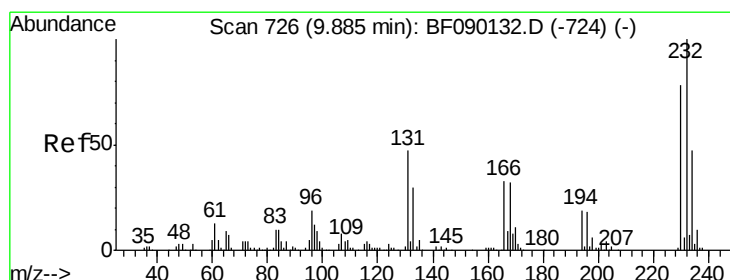
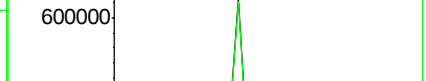
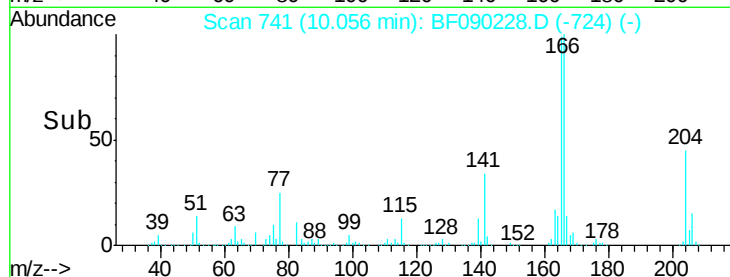
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 44.42 ng

RT: 9.84 min Scan# 722

Delta R.T. -0.00 min

Lab File: BF090228.D

Acq: 26 Sep 2016 18:24

Tgt Ion:232 Resp: 175053

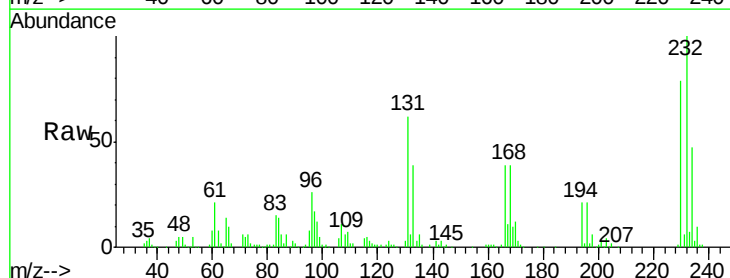
Ion Ratio Lower Upper

232 100

131 52.5 42.2 63.4

130 2.4 1.9 2.9

166 34.2 26.4 39.6

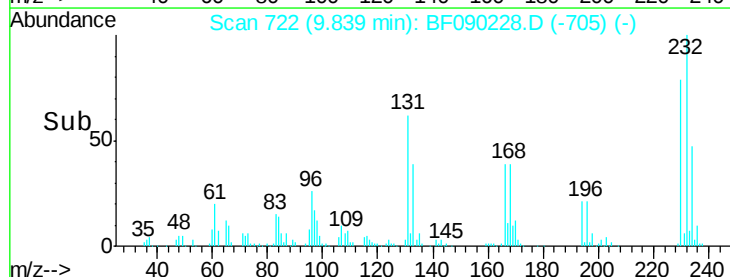


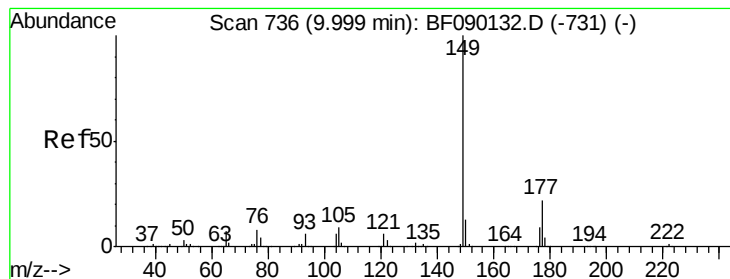
Abundance Ion 232.00 (231.70 to 232.70): E

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: 42.14 ng

RT: 9.95 min Scan# 732

Delta R.T. -0.00 min

Lab File: BF090228.D

Acq: 26 Sep 2016 18:24

Instrument :

BNA_F

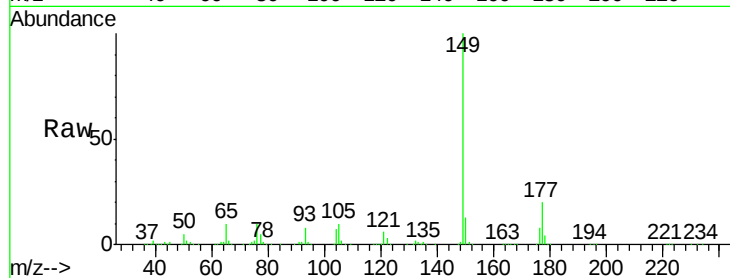
ClientSampleId :

MW-04I-092216MS

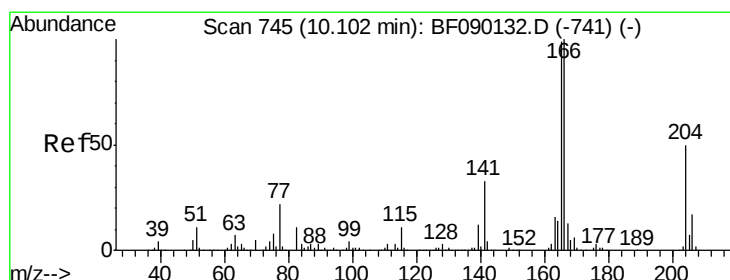
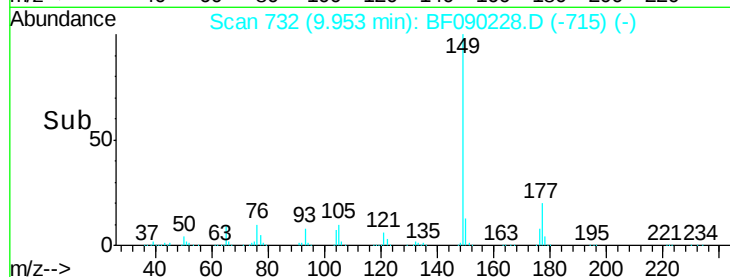
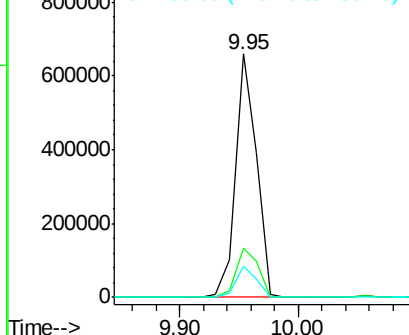
Tot Ion	Ion	Ratio	Resp	Lower	Upper
149	100		805670		
177	19.9	15.8	23.6		
150	13.0	10.4	15.6		

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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: 39.07 ng

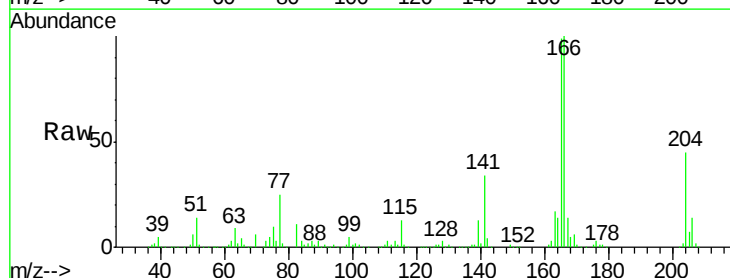
RT: 10.06 min Scan# 741

Delta R.T. -0.00 min

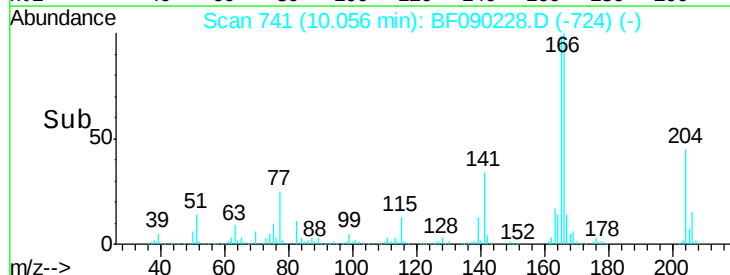
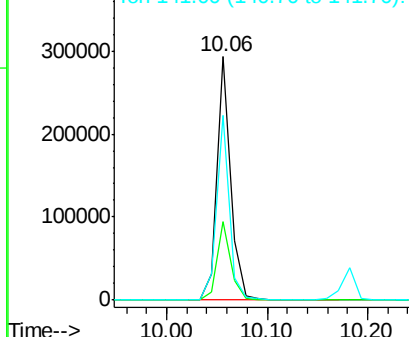
Lab File: BF090228.D

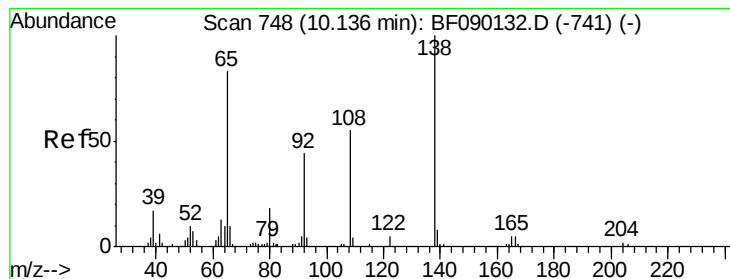
Acq: 26 Sep 2016 18:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
204	100		279463		
206	32.1	25.6	38.4		
141	76.0	64.4	96.6		



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





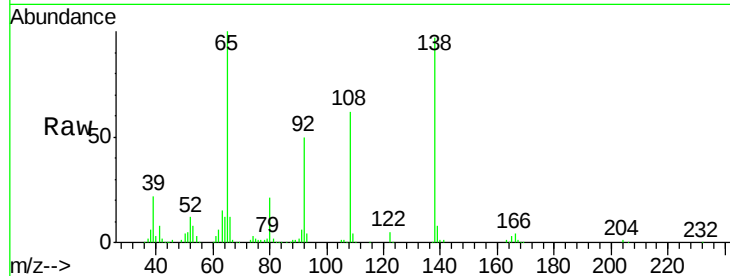
#61
4-Nitroaniline
Concen: 35.20 ng
RT: 10.09 min Scan# 744
Delta R.T. -0.00 min
Lab File: BF090228.D
Acq: 26 Sep 2016 18:24

Instrument :
BNA_F
ClientSampleId :
MW-04I-092216MS

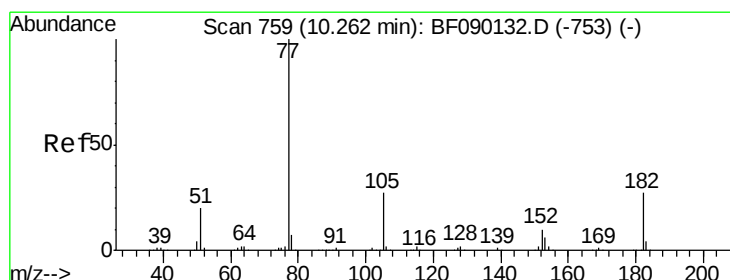
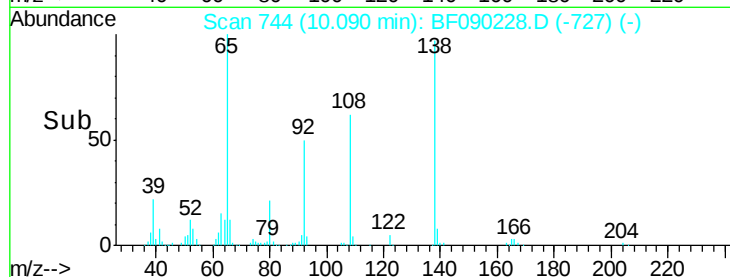
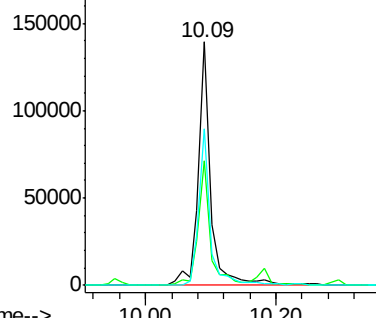
Tot Ion	Ratio	Resp	Lower	Upper
138	100	185611		
92	51.4	23.8	63.8	
108	64.1	35.0	75.0	

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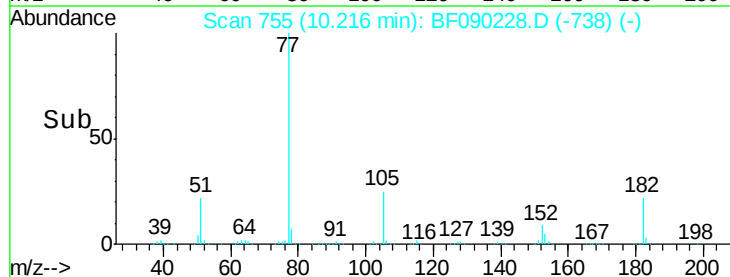
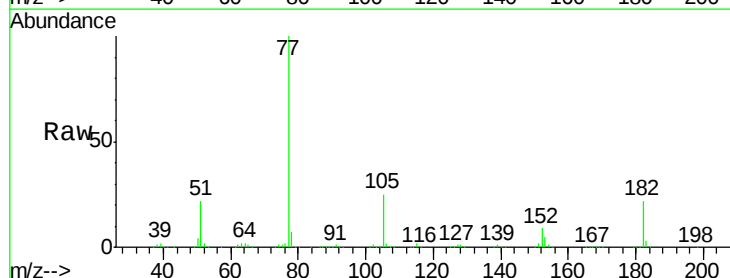
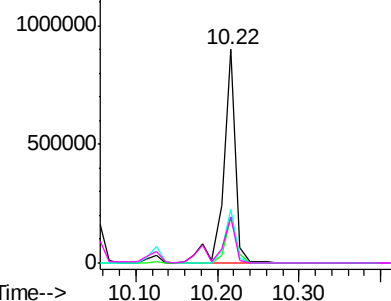
Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF0
Ion 108.00 (107.70 to 108.70): E

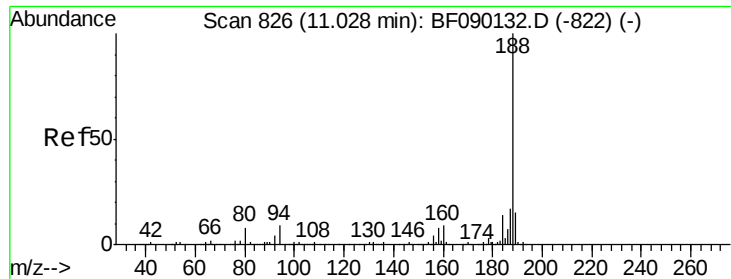


#62
Azobenzene
Concen: 46.50 ng
RT: 10.22 min Scan# 755
Delta R.T. -0.00 min
Lab File: BF090228.D
Acq: 26 Sep 2016 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	925518		
182	21.6	0.0	38.4	
105	25.2	3.8	43.8	
51	21.8	2.6	42.6	

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: 10.98 min Scan# 822

Delta R.T. -0.00 min

Lab File: BF090228.D

Acq: 26 Sep 2016 18:24

Instrument :

BNA_F

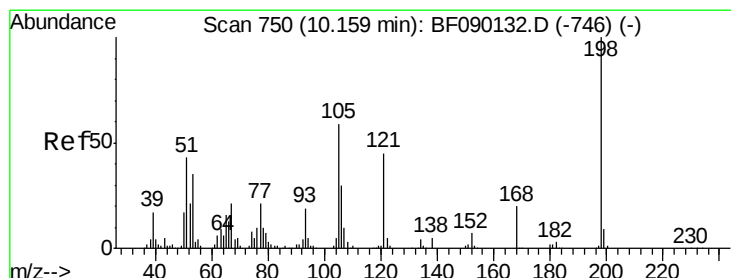
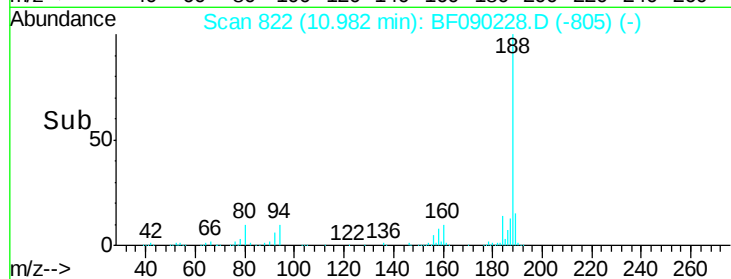
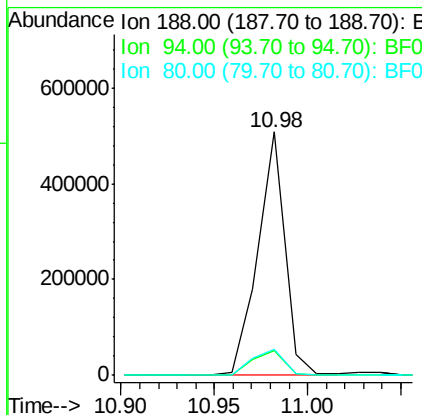
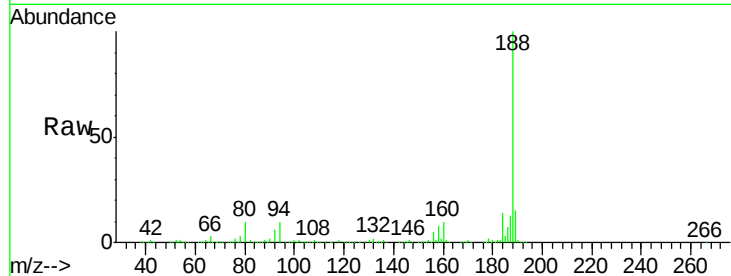
ClientSampleId :

MW-04I-092216MS

Tot Ion:188	Resp:	510859
Ion Ratio	Lower	Upper
188	100	
94	10.2	10.5 15.7#
80	10.5	11.2 16.8#

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#64

4,6-Dinitro-2-methylphenol

Concen: 42.87 ng

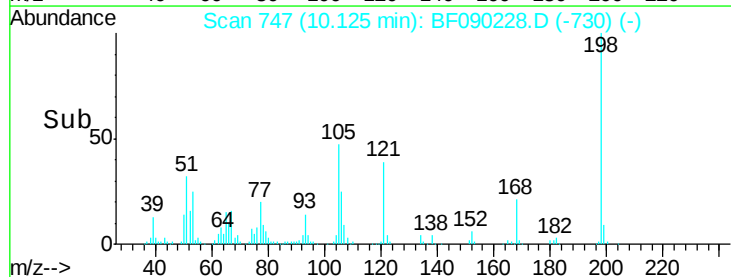
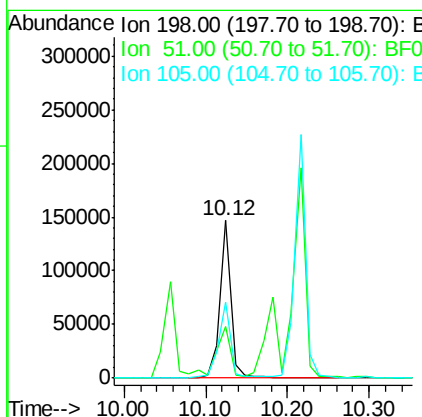
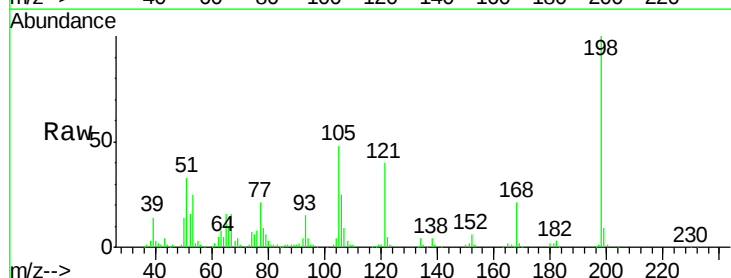
RT: 10.12 min Scan# 747

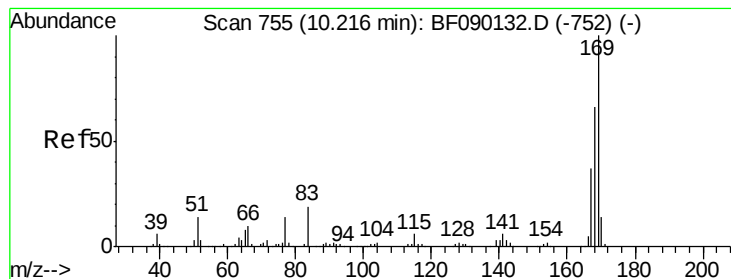
Delta R.T. -0.00 min

Lab File: BF090228.D

Acq: 26 Sep 2016 18:24

Tgt Ion:198	Resp:	137180
Ion Ratio	Lower	Upper
198	100	
51	32.7	5.5 45.5
105	48.1	21.8 61.8





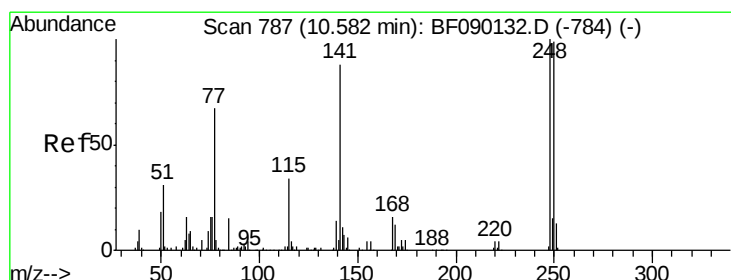
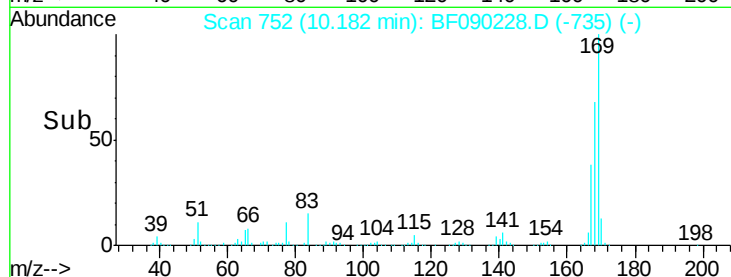
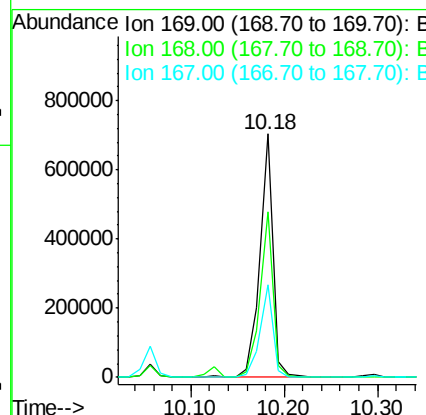
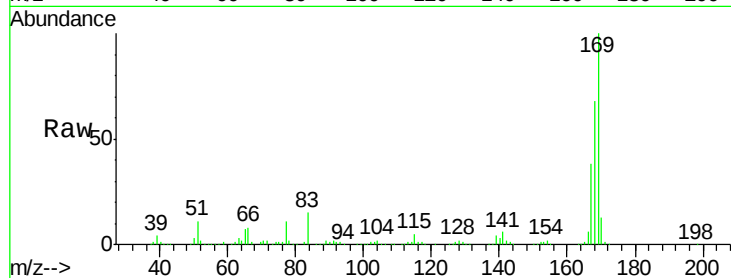
#65
n-Nitrosodiphenylamine
Concen: 40.58 ng
RT: 10.18 min Scan# 752
Delta R.T. -0.00 min
Lab File: BF090228.D
Acq: 26 Sep 2016 18:24

Instrument :
BNA_F
ClientSampleId :
MW-04I-092216MS

Tot Ion	Ratio	Resp	Lower	Upper
169	100	681663		
168	68.1	54.2	81.4	
167	37.8	30.3	45.5	

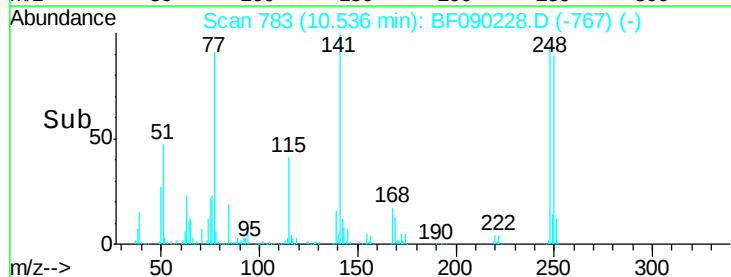
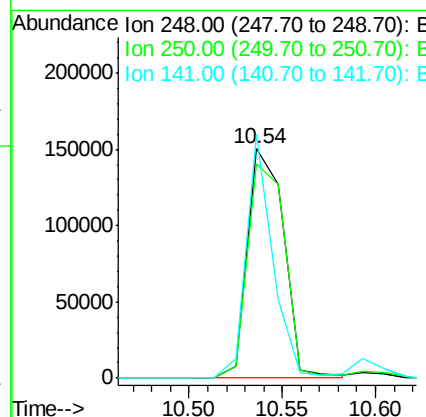
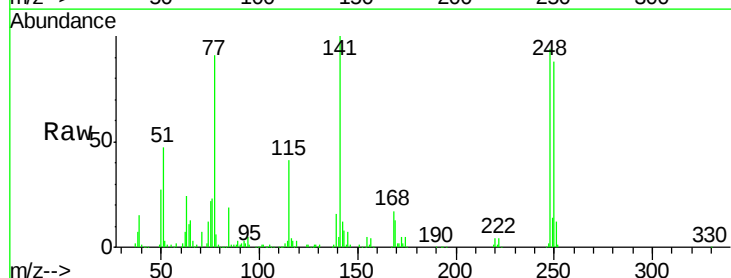
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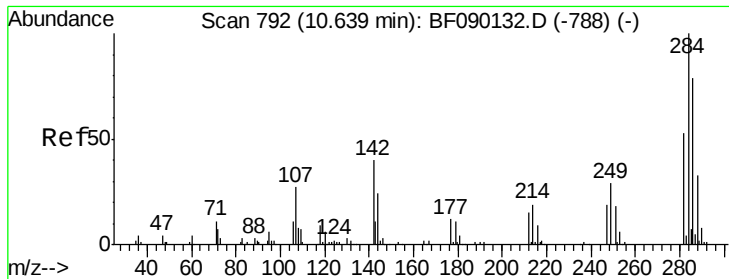
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#66
4-Bromophenyl-phenylether
Concen: 40.19 ng
RT: 10.54 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF090228.D
Acq: 26 Sep 2016 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	202058		
250	93.8	79.4	119.2	
141	106.4	49.3	73.9	





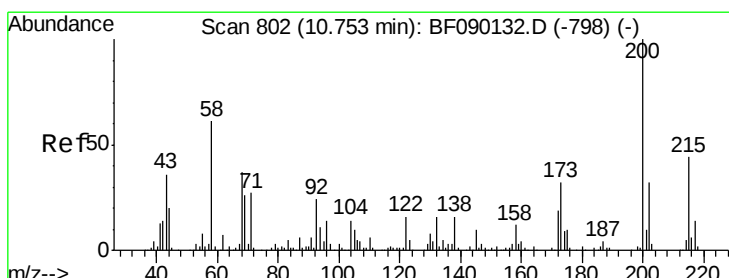
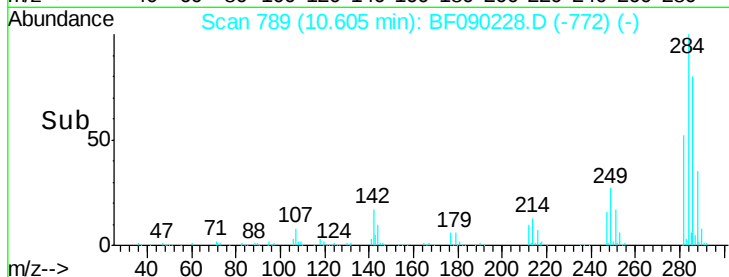
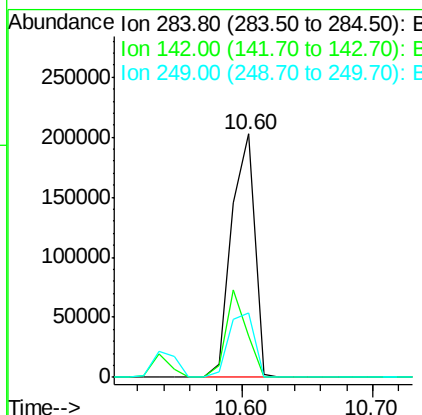
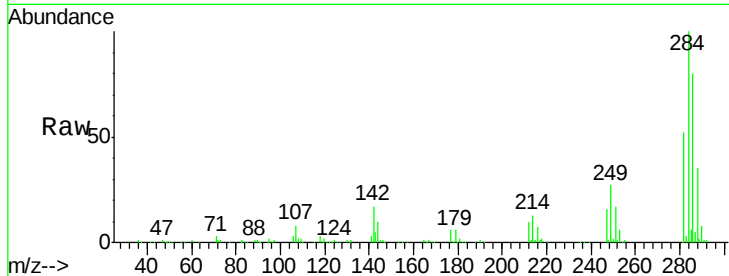
#67
Hexachlorobenzene
Concen: 42.59 ng
RT: 10.60 min Scan# 789
Delta R.T. -0.00 min
Lab File: BF090228.D
Acq: 26 Sep 2016 18:24

Instrument :
BNA_F
ClientSampleId :
MW-04I-092216MS

Tot Ion	Ratio	Resp	Lower	Upper
284	100	249555		
142	16.7	24.0	36.0	#
249	26.7	23.8	35.6	

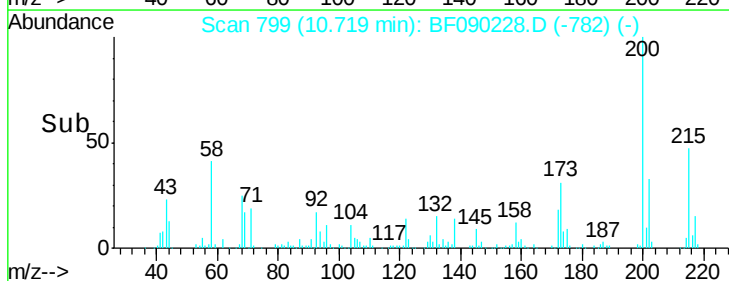
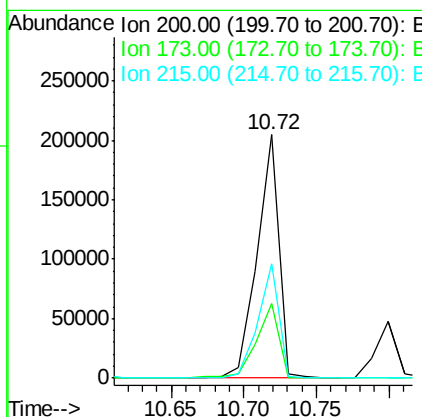
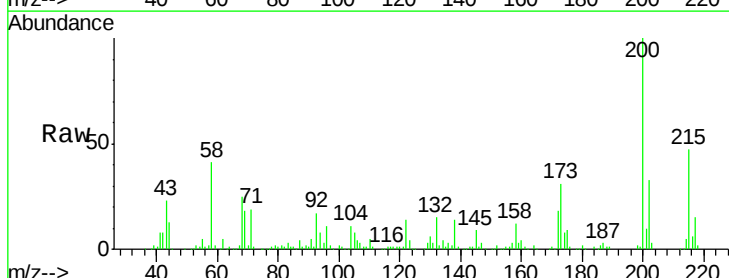
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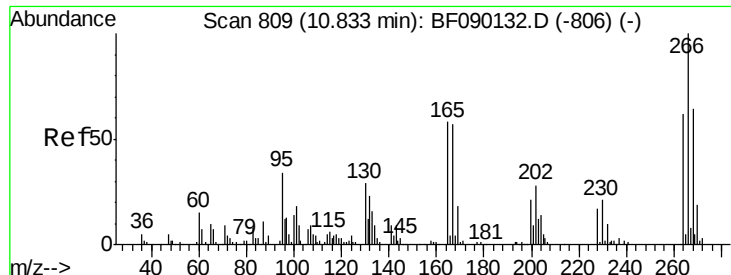
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#68
Atrazine
Concen: 46.09 ng
RT: 10.72 min Scan# 799
Delta R.T. -0.00 min
Lab File: BF090228.D
Acq: 26 Sep 2016 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	212167		
173	30.5	9.3	49.3	
215	47.1	26.1	66.1	





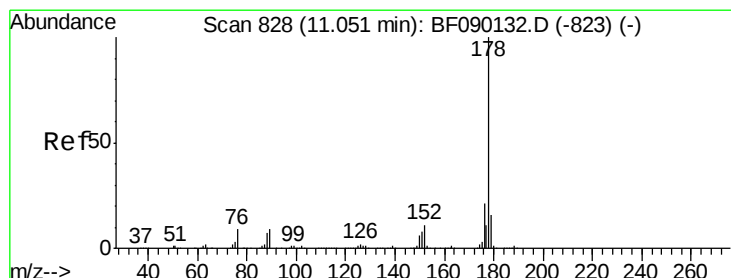
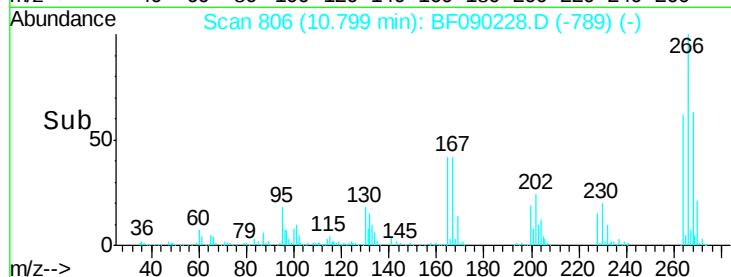
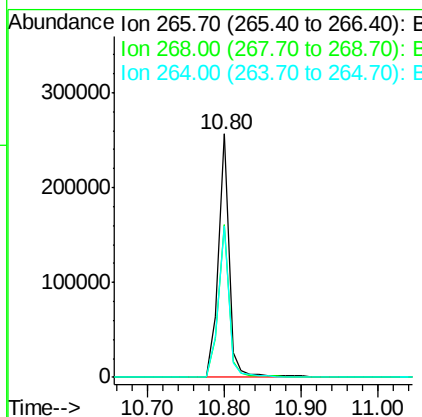
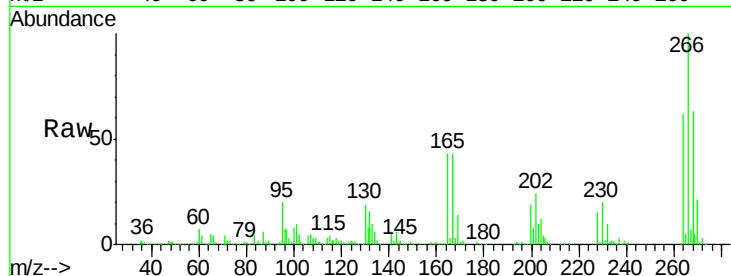
#69
 Pentachlorophenol
 Concen: 76.43 ng
 RT: 10.80 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: BF090228.D
 Acq: 26 Sep 2016 18:24

Instrument :
 BNA_F
 ClientSampleId :
 MW-04I-092216MS

Tot Ion	Ratio	Resp	Lower	Upper
266	100	254155		
268	62.6	52.1	78.1	
264	62.5	50.3	75.5	

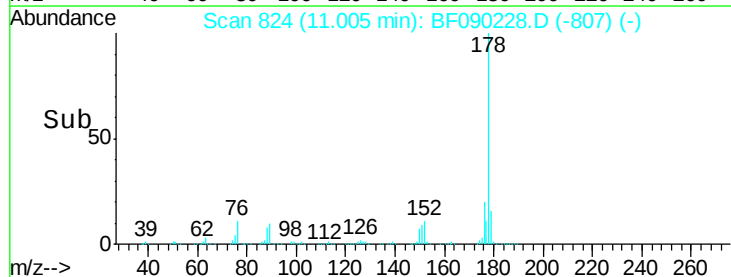
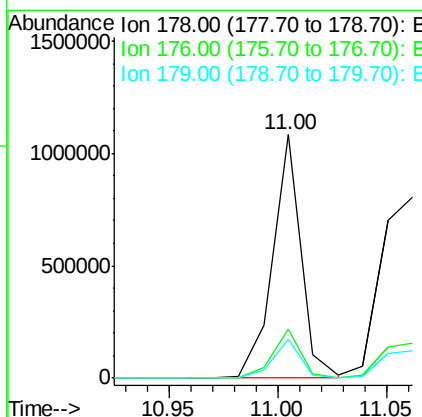
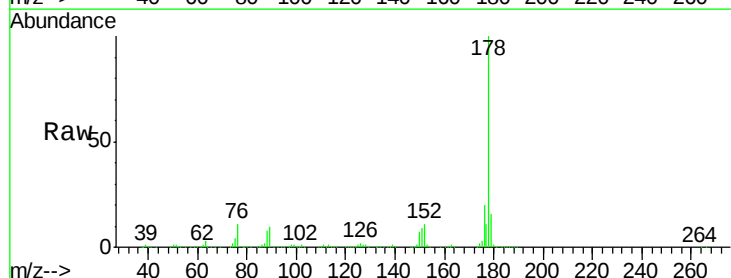
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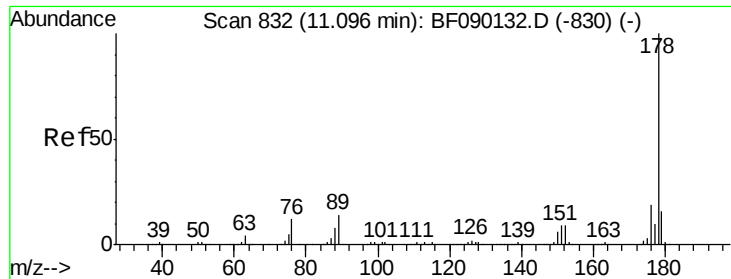
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#70
 Phenanthrene
 Concen: 41.48 ng
 RT: 11.00 min Scan# 824
 Delta R.T. -0.00 min
 Lab File: BF090228.D
 Acq: 26 Sep 2016 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	990958		
176	20.2	15.9	23.9	
179	15.8	12.9	19.3	





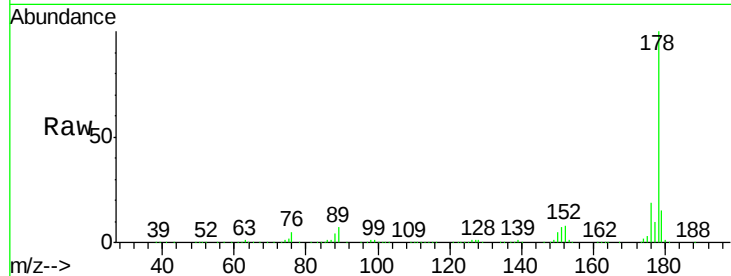
#71
 Anthracene
 Concen: 44.65 ng
 RT: 11.06 min Scan# 829
 Delta R.T. -0.00 min
 Lab File: BF090228.D
 Acq: 26 Sep 2016 18:24

Instrument :
 BNA_F
 ClientSampleId :
 MW-04I-092216MS

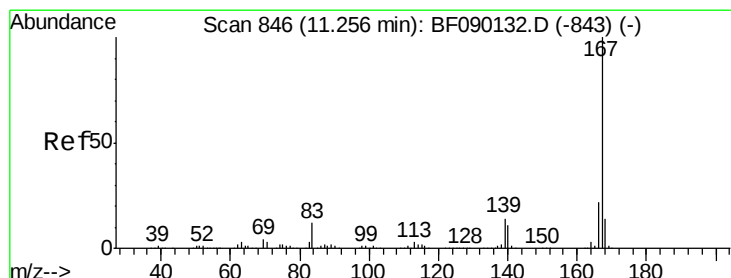
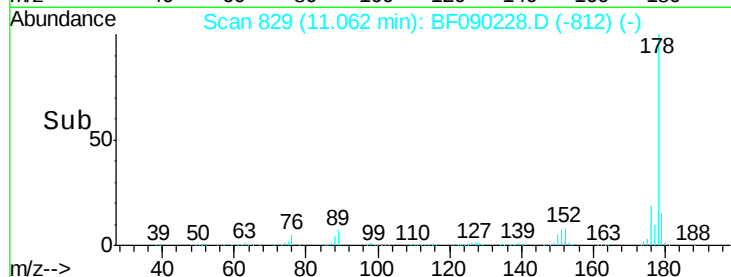
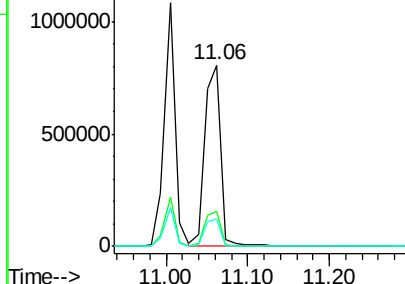
Tot Ion:178 Resp: 1118922
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.8 23.6
 179 15.4 12.6 19.0

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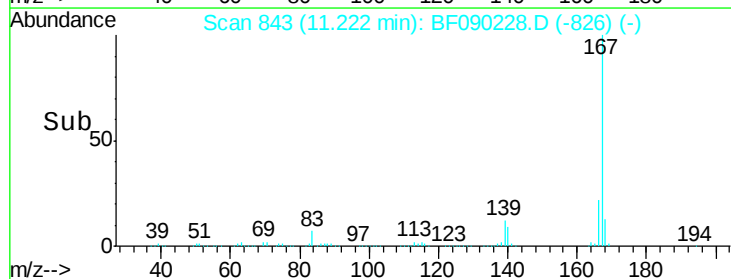
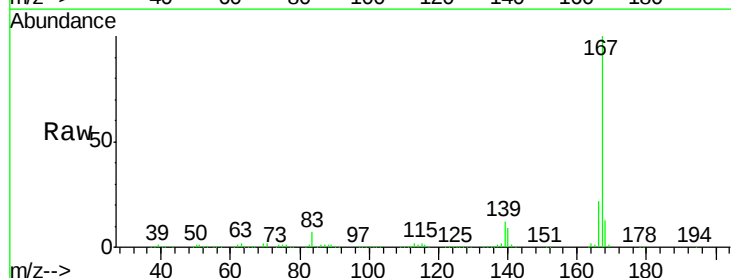
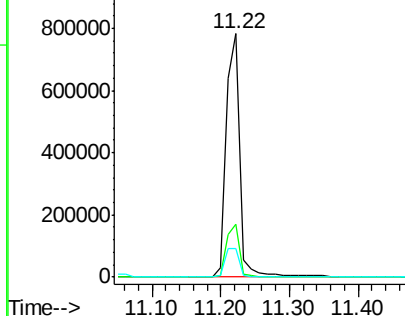
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

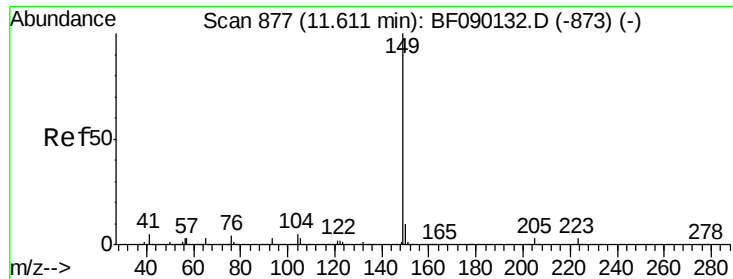


#72
 Carbazole
 Concen: 41.45 ng
 RT: 11.22 min Scan# 843
 Delta R.T. -0.00 min
 Lab File: BF090228.D
 Acq: 26 Sep 2016 18:24

Tgt Ion:167 Resp: 1097960
 Ion Ratio Lower Upper
 167 100
 166 21.8 18.0 27.0
 139 12.0 10.4 15.6

Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 39.17 ng

RT: 11.56 min Scan# 873

Delta R.T. -0.00 min

Lab File: BF090228.D

Acq: 26 Sep 2016 18:24

Instrument :

BNA_F

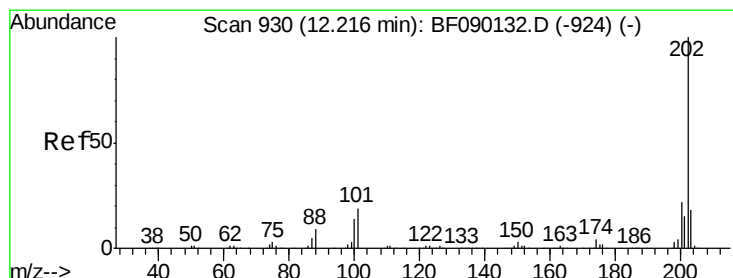
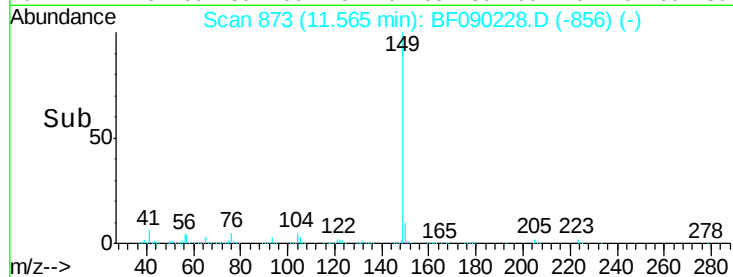
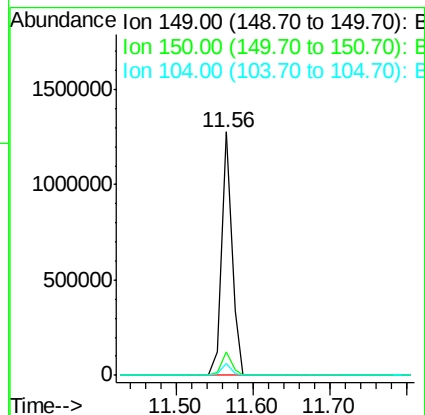
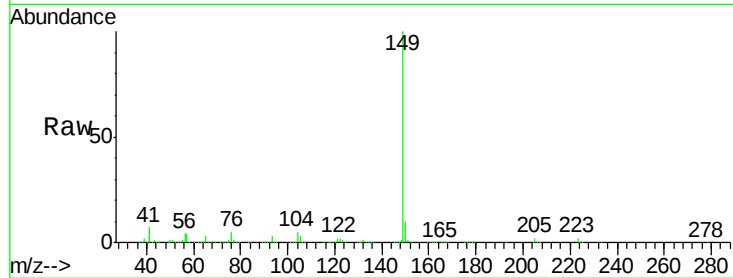
ClientSampleId :

MW-04I-092216MS

Tot Ion:	149	Resp:	1206613
Ion	Ratio	Lower	Upper
149	100		
150	9.8	7.8	11.8
104	4.9	3.9	5.9

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#74

Fluoranthene

Concen: 44.94 ng

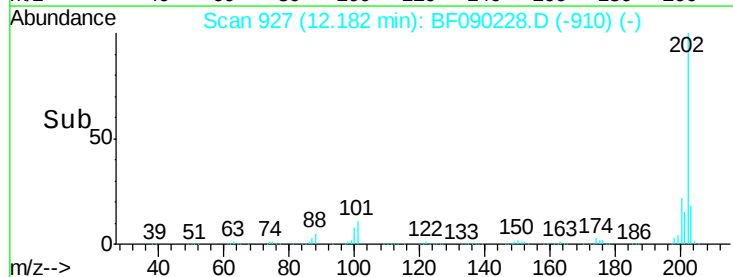
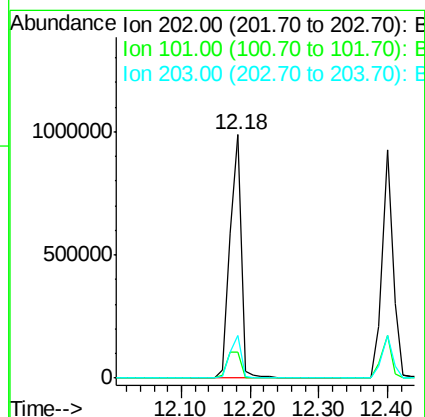
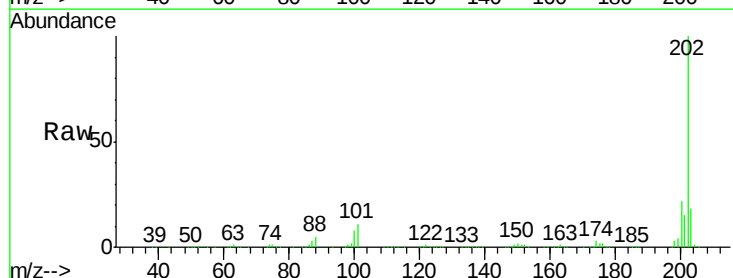
RT: 12.18 min Scan# 927

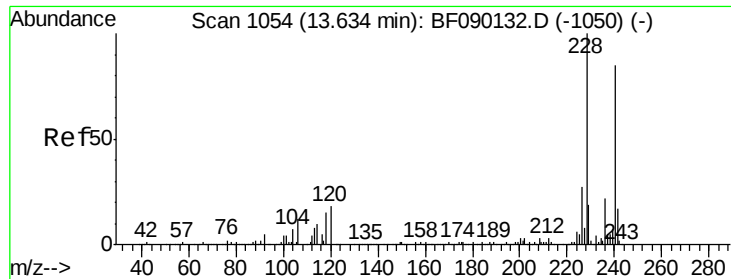
Delta R.T. -0.00 min

Lab File: BF090228.D

Acq: 26 Sep 2016 18:24

Tgt Ion:	202	Resp:	1152427
Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	36.1
203	17.8	0.0	38.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.60 min Scan# 1051

Delta R.T. -0.00 min

Lab File: BF090228.D

Acq: 26 Sep 2016 18:24

Instrument :

BNA_F

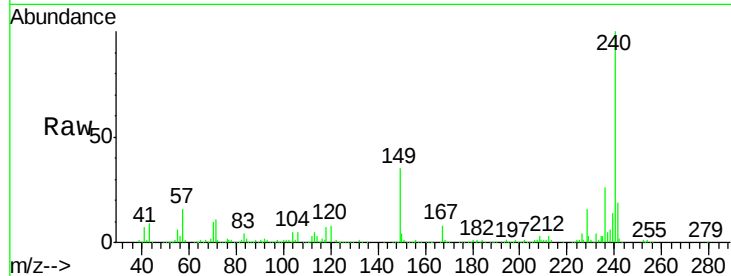
ClientSampleId :

MW-04I-092216MS

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.1	10.6	16.0#
236	25.6	21.6	32.4

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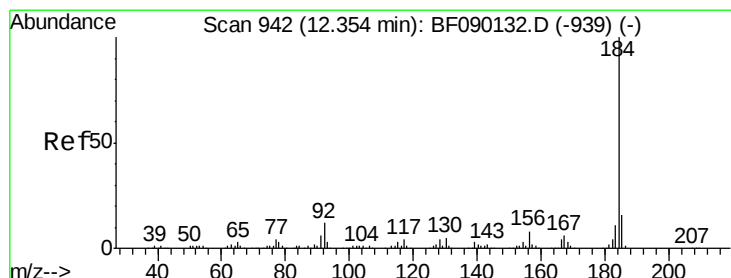
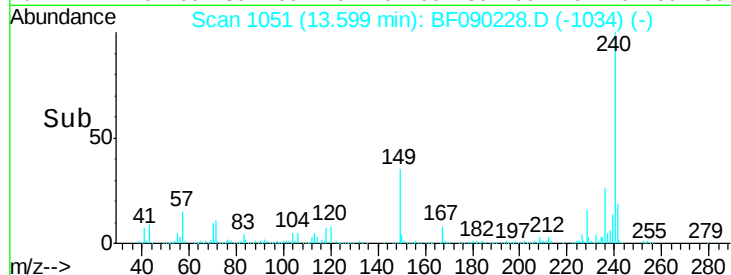
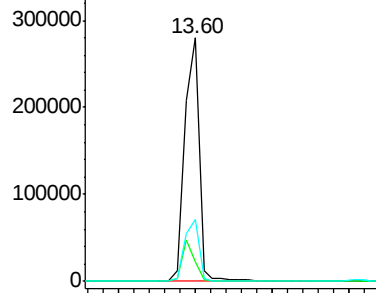
sohil
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 9.27 ng

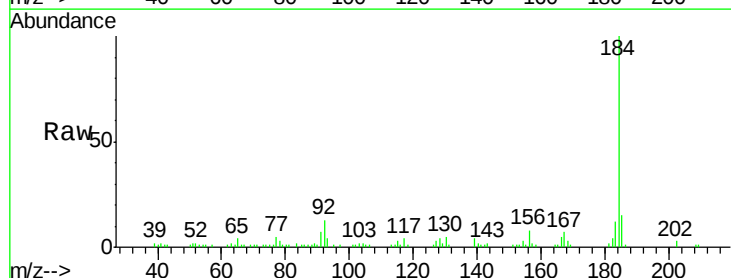
RT: 12.31 min Scan# 938

Delta R.T. -0.01 min

Lab File: BF090228.D

Acq: 26 Sep 2016 18:24

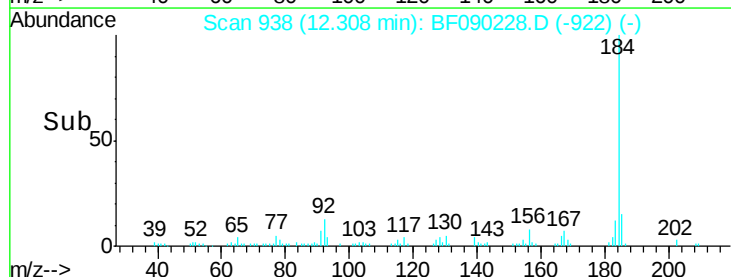
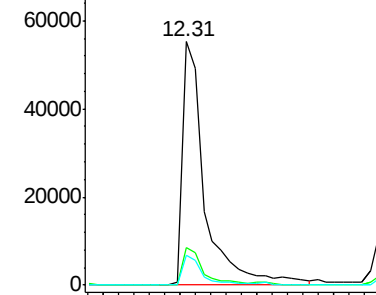
Tgt Ion	Ratio	Lower	Upper
184	100		
185	15.5	13.2	19.8
183	12.0	9.2	13.8

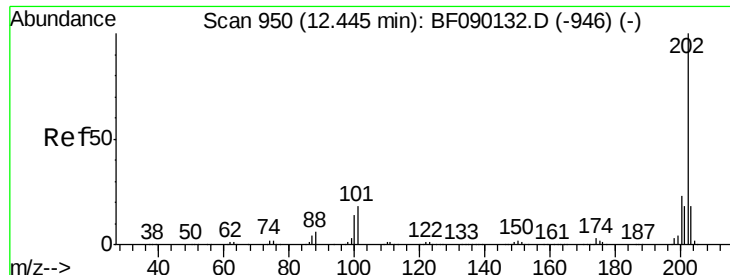


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





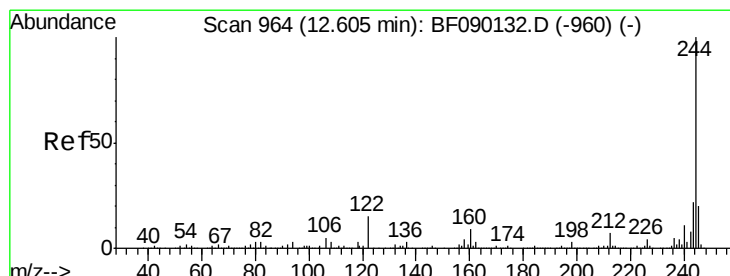
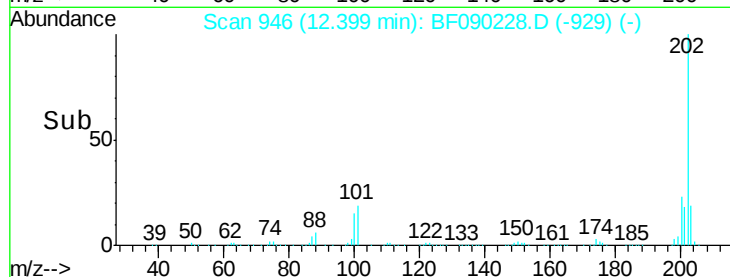
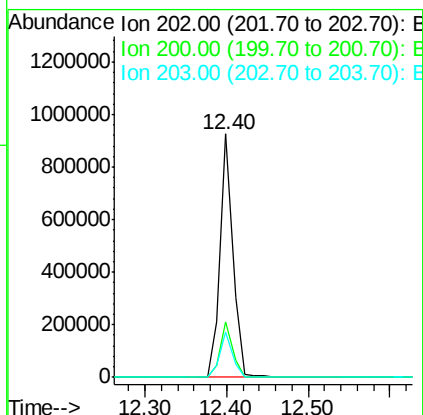
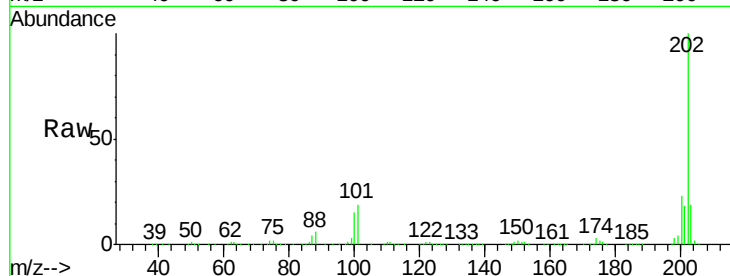
#77
Pvrene
Concen: 40.99 ng
RT: 12.40 min Scan# 946
Delta R.T. -0.00 min
Lab File: BF090228.D
Acq: 26 Sep 2016 18:24

Instrument :
BNA_F
ClientSampleId :
MW-04I-092216MS

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.6	17.9	26.9
203	18.6	14.2	21.4

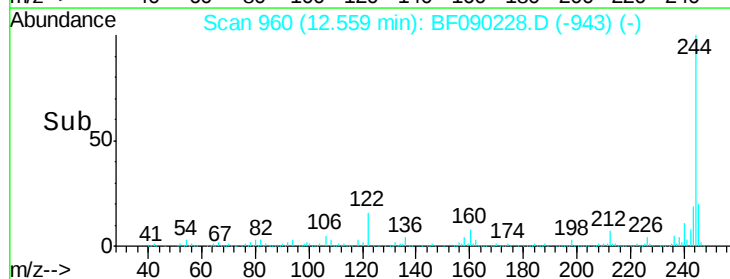
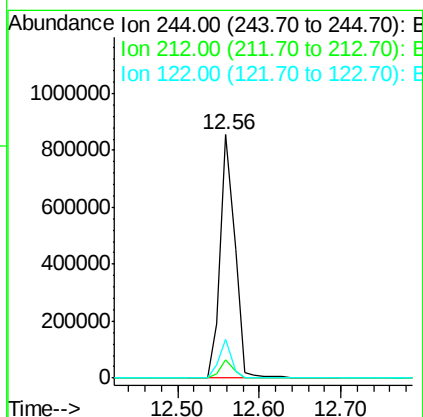
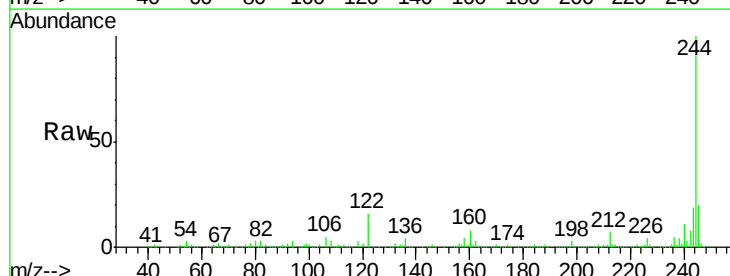
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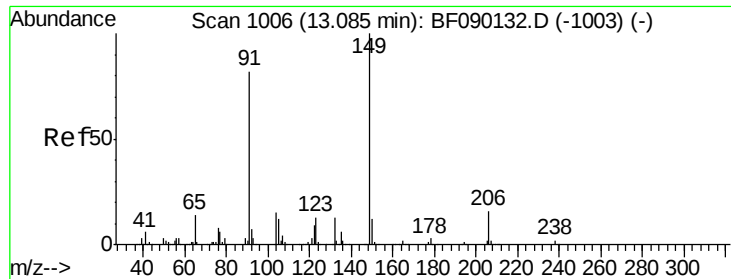
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#78
Terphenyl-d14
Concen: 74.95 ng
RT: 12.56 min Scan# 960
Delta R.T. -0.00 min
Lab File: BF090228.D
Acq: 26 Sep 2016 18:24

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.8
122	15.7	9.4	14.0#





#79

Butylbenzylphthalate

Concen: 48.26 ng

RT: 13.05 min Scan# 1003

Delta R.T. -0.00 min

Lab File: BF090228.D

Acq: 26 Sep 2016 18:24

Instrument :

BNA_F

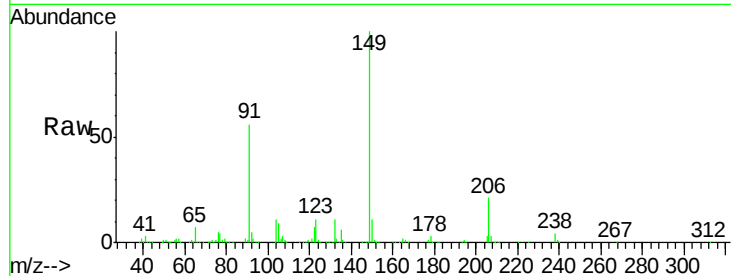
ClientSampleId :

MW-04I-092216MS

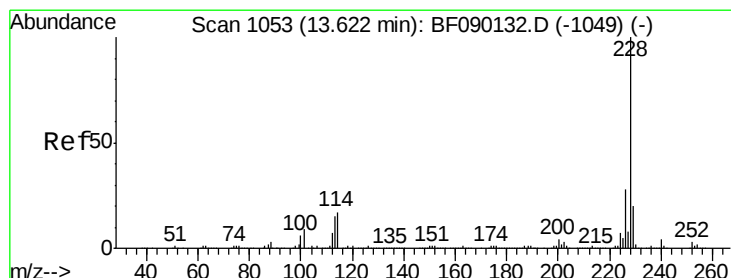
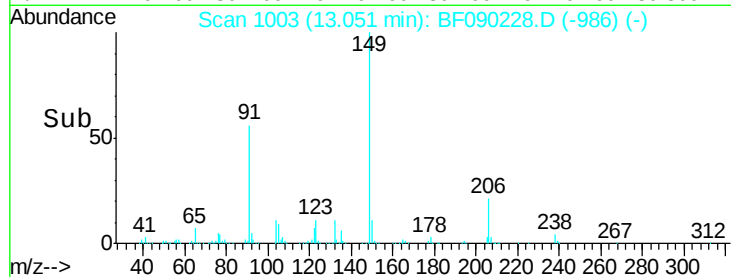
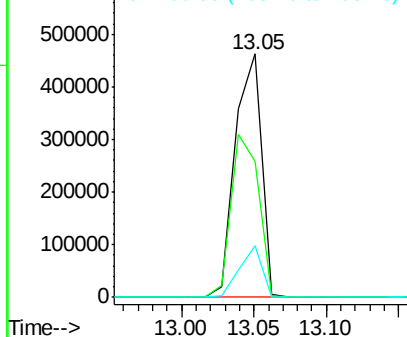
Tot Ion:	149	Resp:	583255
Ion Ratio	Lower	Upper	
149	100		
91	56.0	49.8	74.6
206	21.0	16.3	24.5

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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: 45.84 ng

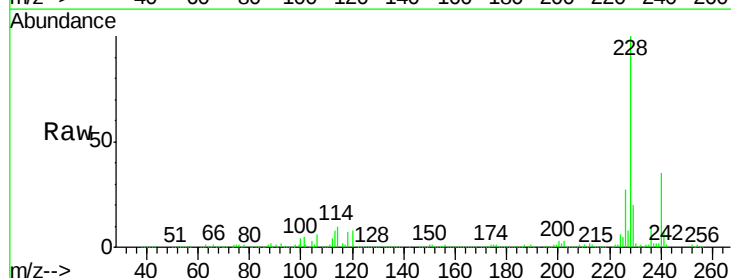
RT: 13.59 min Scan# 1050

Delta R.T. -0.00 min

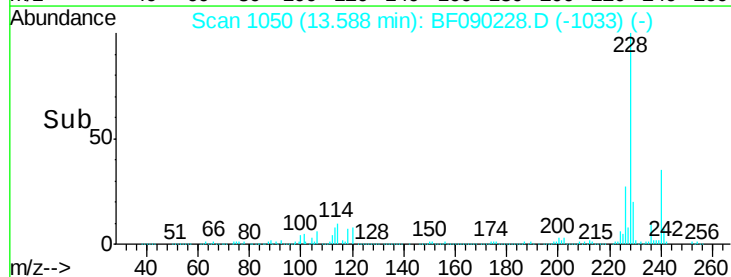
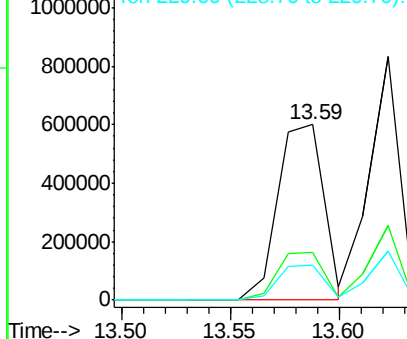
Lab File: BF090228.D

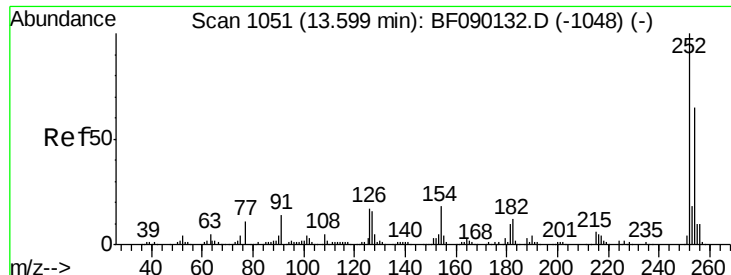
Acq: 26 Sep 2016 18:24

Tgt Ion:	228	Resp:	890491
Ion Ratio	Lower	Upper	
228	100		
226	27.2	22.0	33.0
229	19.6	16.2	24.2



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





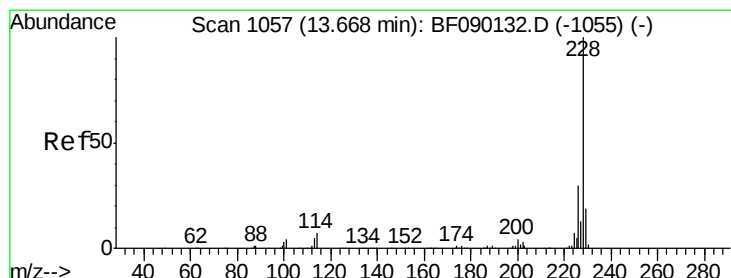
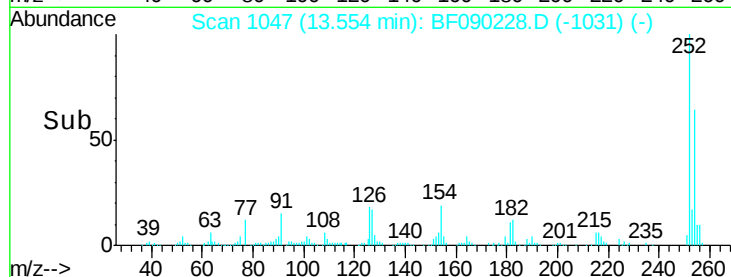
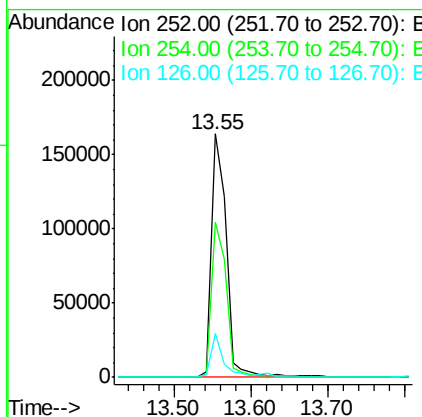
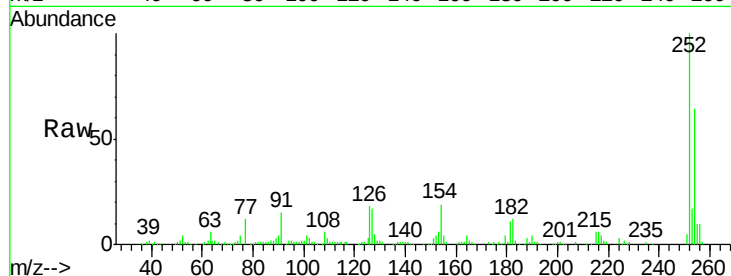
#81
 3,3'-Dichlorobenzidine
 Concen: 27.44 ng
 RT: 13.55 min Scan# 1047
 Delta R.T. -0.01 min
 Lab File: BF090228.D
 Acq: 26 Sep 2016 18:24

Instrument :
 BNA_F
 ClientSampleId :
 MW-04I-092216MS

Tot Ion	Ratio	Resp	Lower	Upper
252	100	219810		
254	63.8	50.7	76.1	
126	17.8	9.2	13.8	

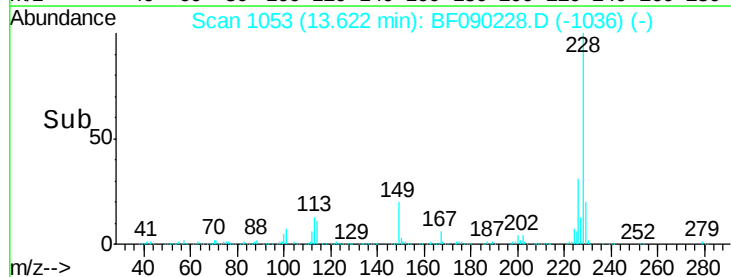
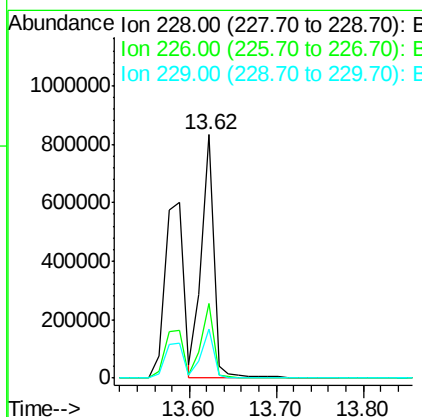
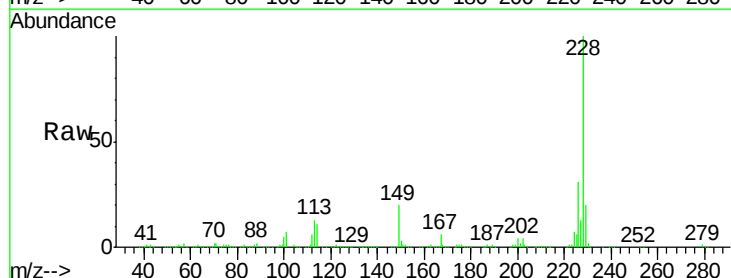
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#82
 Chrysene
 Concen: 43.67 ng
 RT: 13.62 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: BF090228.D
 Acq: 26 Sep 2016 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	826343		
226	30.7	24.6	37.0	
229	20.0	16.2	24.4	





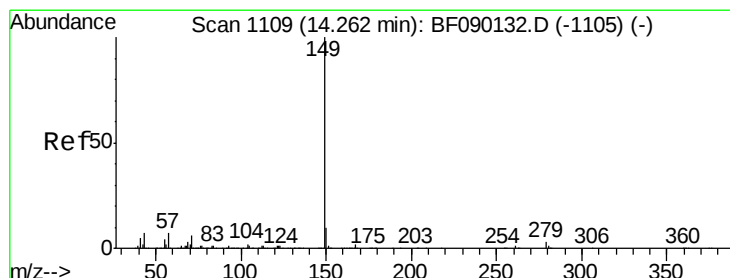
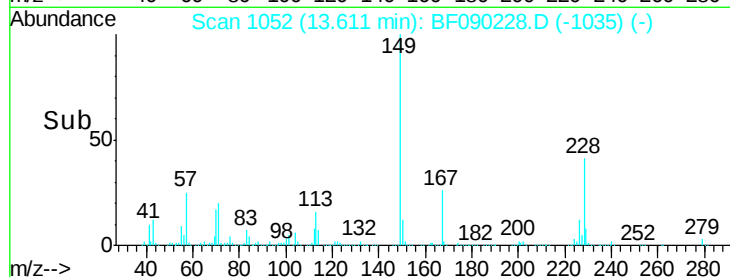
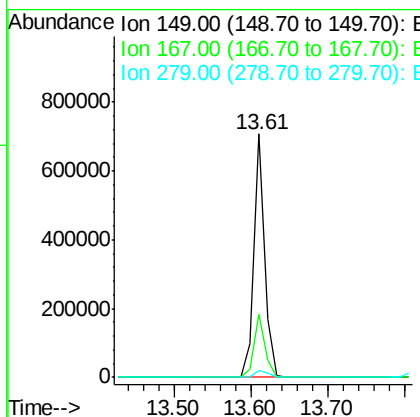
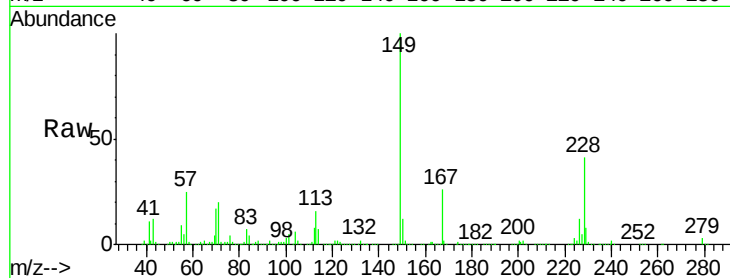
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 43.82 ng
 RT: 13.61 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: BF090228.D
 Acq: 26 Sep 2016 18:24

Instrument :
 BNA_F
 ClientSampleId :
 MW-04I-092216MS

Tot Ion	Ratio	Lower	Upper
149	100		
167	26.0	21.2	31.8
279	2.6	2.2	3.2

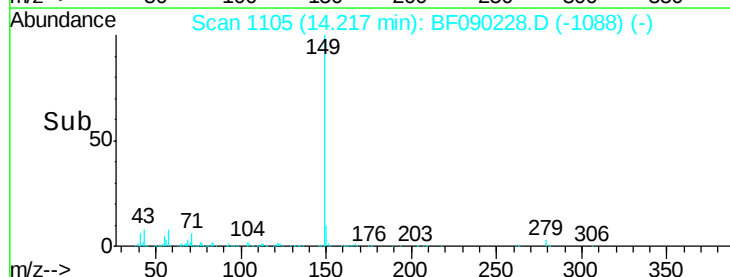
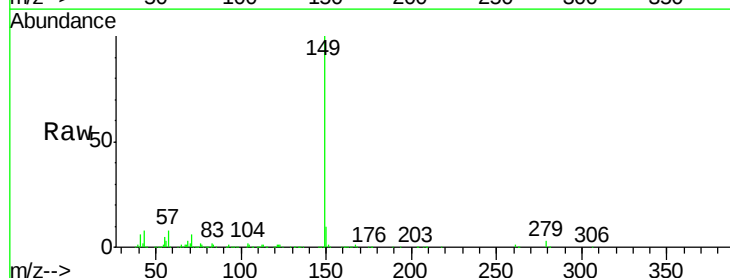
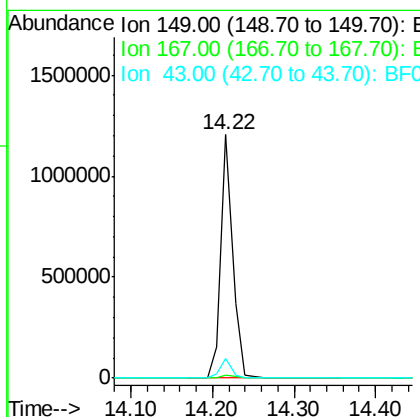
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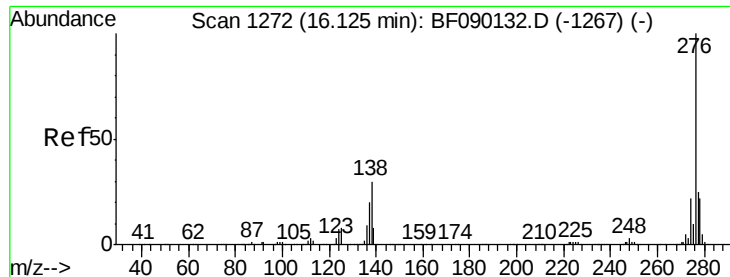
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#84
 Di-n-octyl phthalate
 Concen: 45.11 ng
 RT: 14.22 min Scan# 1105
 Delta R.T. -0.00 min
 Lab File: BF090228.D
 Acq: 26 Sep 2016 18:24

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	7.8	6.8	10.2





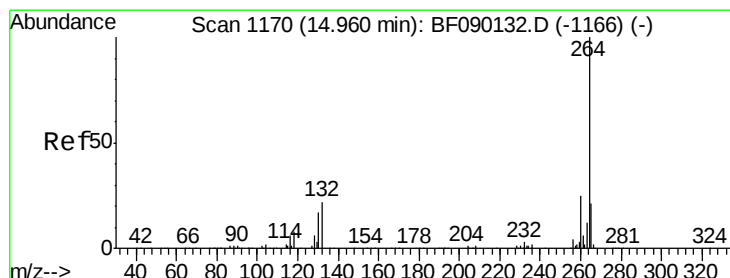
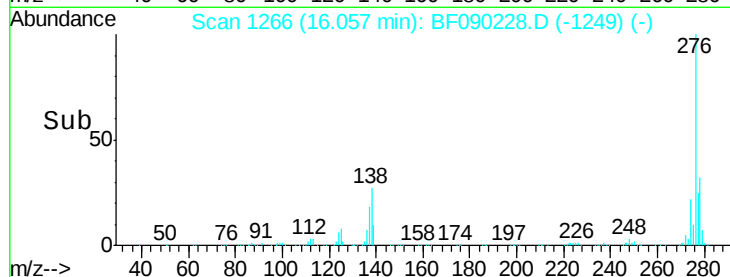
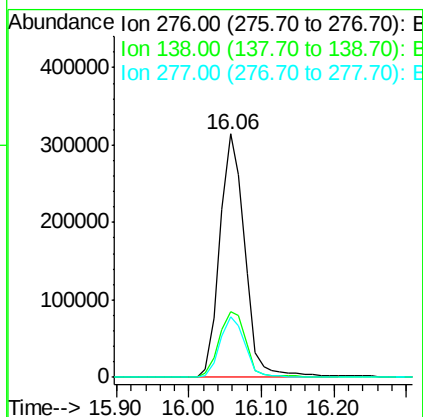
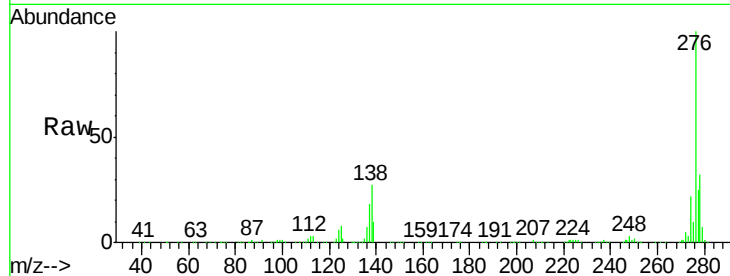
#85
Indeno(1,2,3-cd)pyrene
Concen: 49.42 ng
RT: 16.06 min Scan# 1266
Delta R.T. -0.00 min
Lab File: BF090228.D
Acq: 26 Sep 2016 18:24

Instrument :
BNA_F
ClientSampleId :
MW-04I-092216MS

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.5	25.9	38.9
277	25.1	19.9	29.9

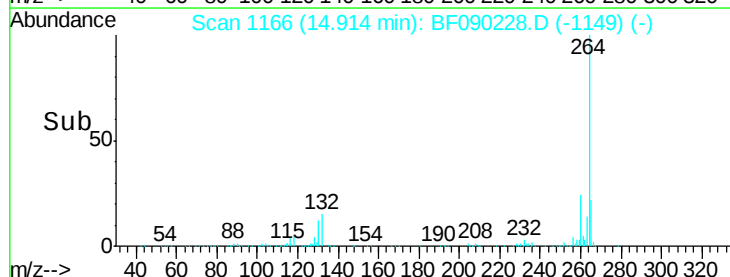
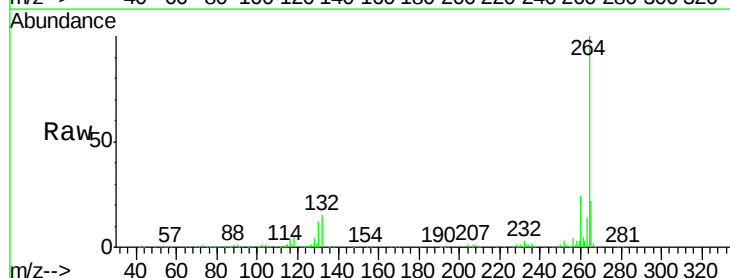
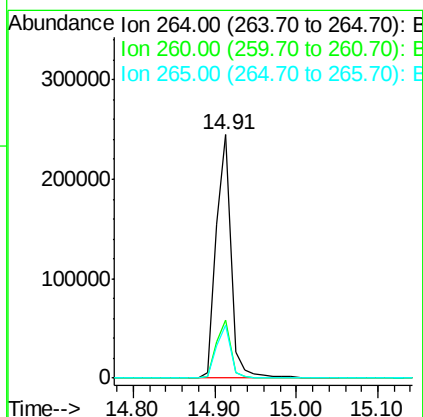
Manual Integrations
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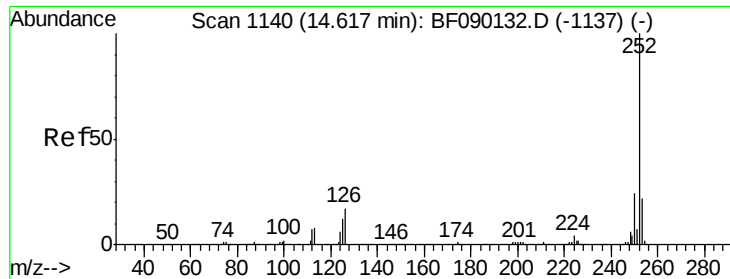
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#86
Perylene-d12
Concen: 20.00 ng
RT: 14.91 min Scan# 1166
Delta R.T. -0.00 min
Lab File: BF090228.D
Acq: 26 Sep 2016 18:24

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.5	29.3
265	21.5	17.0	25.4





#87

Benzo(b)fluoranthene

Concen: 41.70 ng m

RT: 14.57 min Scan# 1136

Delta R.T. -0.00 min

Lab File: BF090228.D

Acq: 26 Sep 2016 18:24

Instrument :

BNA_F

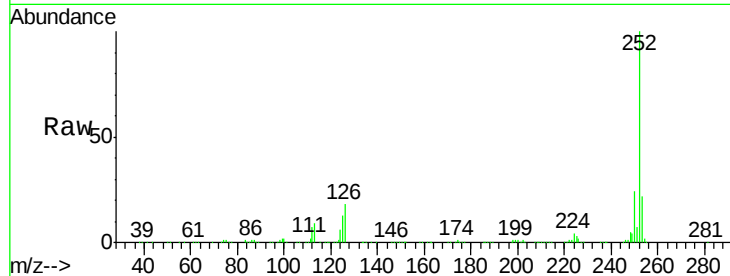
ClientSampleId :

MW-04I-092216MS

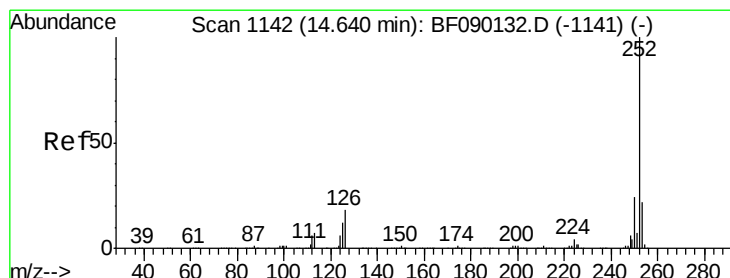
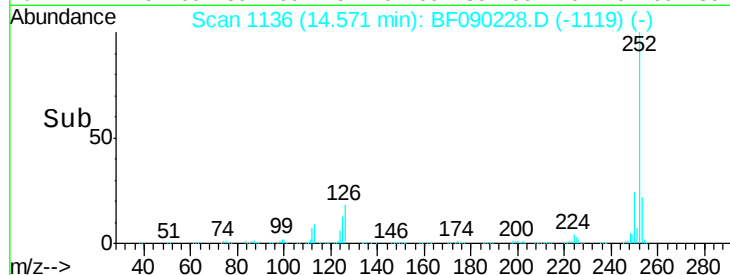
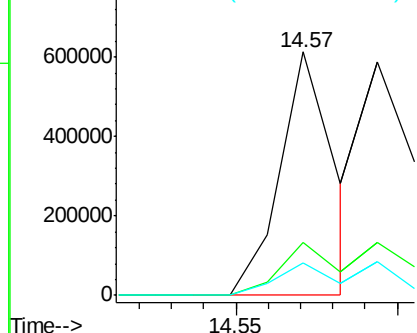
Tot Ion:	252	Resp:	719725
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.9	26.9
125	13.1	12.7	19.1

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 42.22 ng m

RT: 14.59 min Scan# 1138

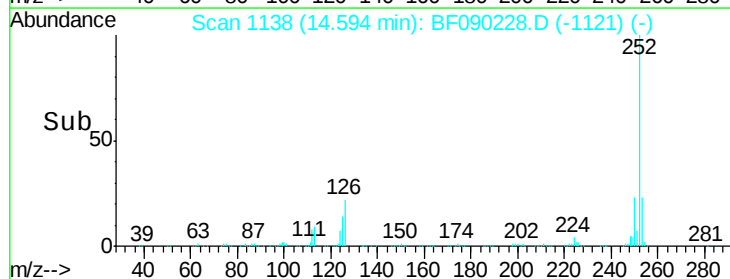
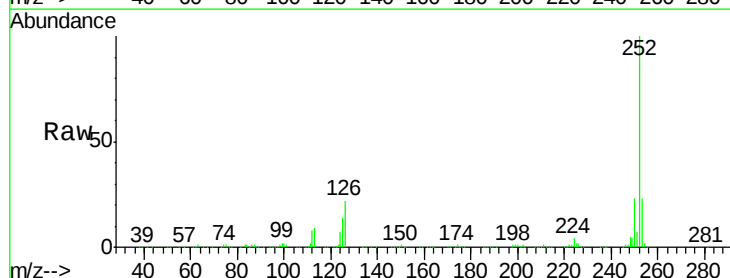
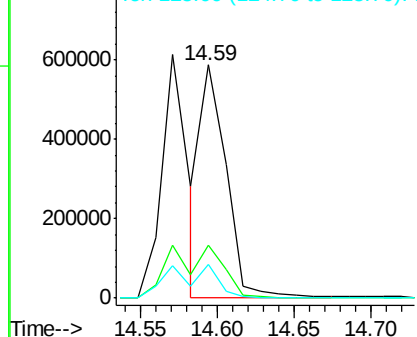
Delta R.T. -0.00 min

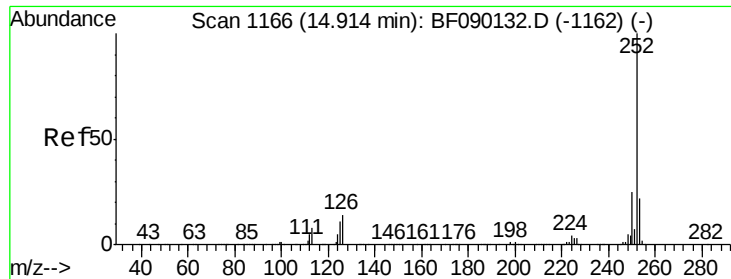
Lab File: BF090228.D

Acq: 26 Sep 2016 18:24

Tgt Ion:	252	Resp:	683950
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.8	26.8
125	14.4	7.8	11.6#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





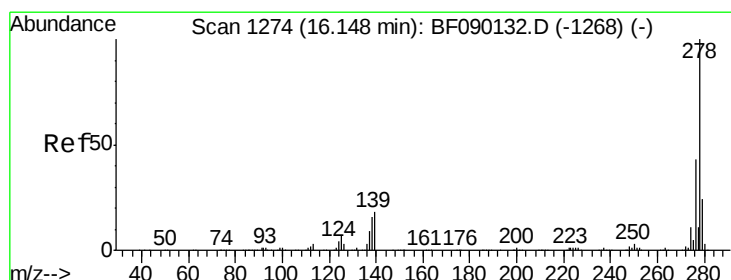
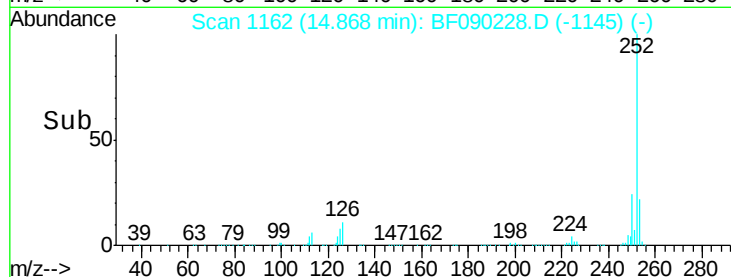
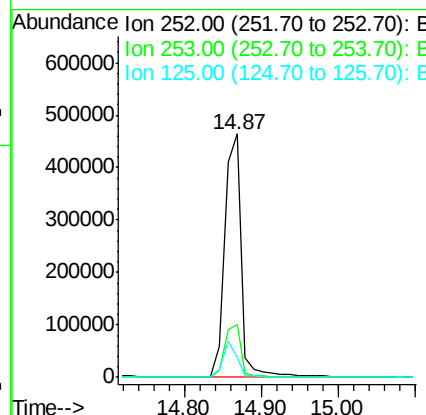
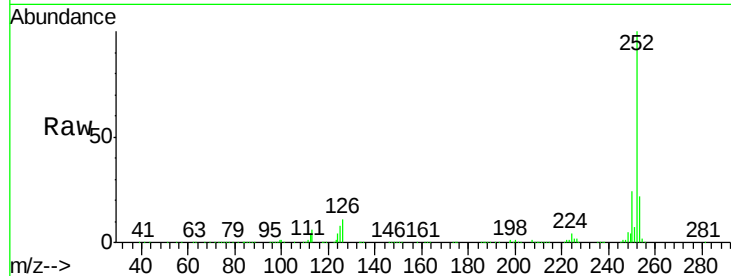
#89
Benzo(a)pyrene
Concen: 42.88 ng
RT: 14.87 min Scan# 1162
Delta R.T. -0.00 min
Lab File: BF090228.D
Acq: 26 Sep 2016 18:24

Instrument :
BNA_F
ClientSampleId :
MW-04I-092216MS

Tot Ion	Ratio	Resp	Lower	Upper
252	100	696265		
253	21.9		17.4	26.0
125	7.9		7.7	11.5

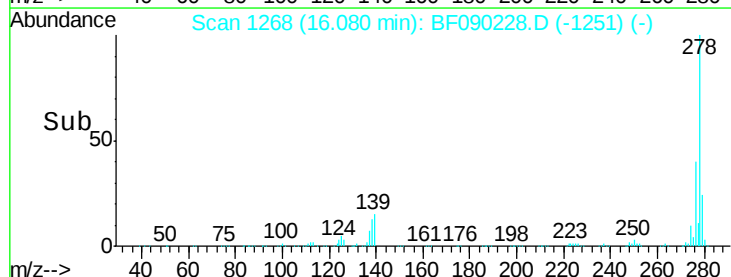
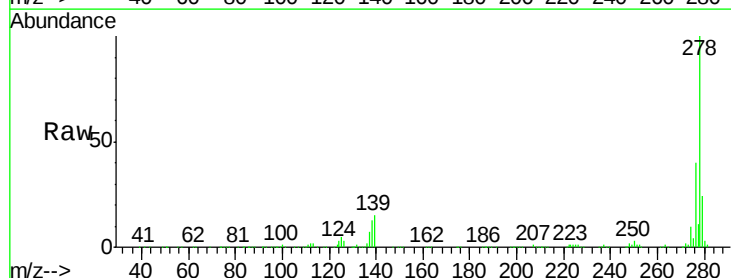
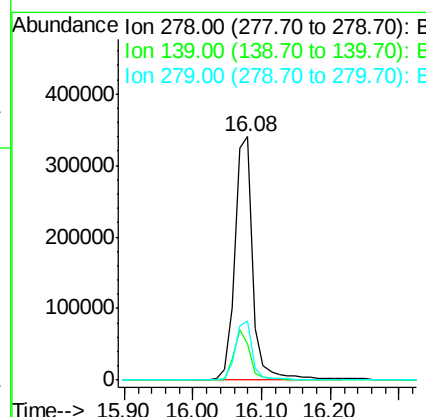
Manual Integrations
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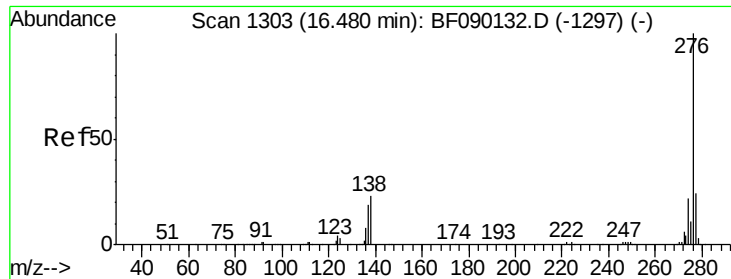
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#90
Dibenzo(a,h)anthracene
Concen: 50.19 ng
RT: 16.08 min Scan# 1268
Delta R.T. -0.00 min
Lab File: BF090228.D
Acq: 26 Sep 2016 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	635845		
139	15.0		14.6	21.8
279	24.1		18.8	28.2





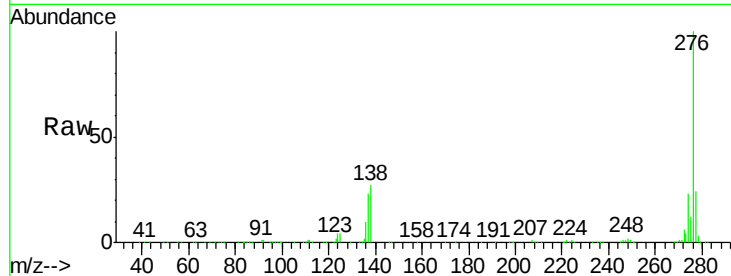
#91
 Benzo(a,h,i)perylene
 Concen: 52.55 ng
 RT: 16.40 min Scan# 1296
 Delta R.T. -0.00 min
 Lab File: BF090228.D
 Acq: 26 Sep 2016 18:24

Instrument :
 BNA_F
 ClientSampleId :
 MW-04I-092216MS

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.9	28.3
138	27.1	23.3	34.9

Manual Integrations
 APPROVED

sohil
 9/27/2016 1:06:47 PM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

