

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012617\
 Data File : BF092541.D
 Acq On : 26 Jan 2017 22:48
 Operator : SJ/MA
 Sample : I1448-11
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHA-WCS-012417-1(0-4)

Quant Time: Jan 27 00:14:36 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 24 13:48:07 2017
 Response via : Initial Calibration

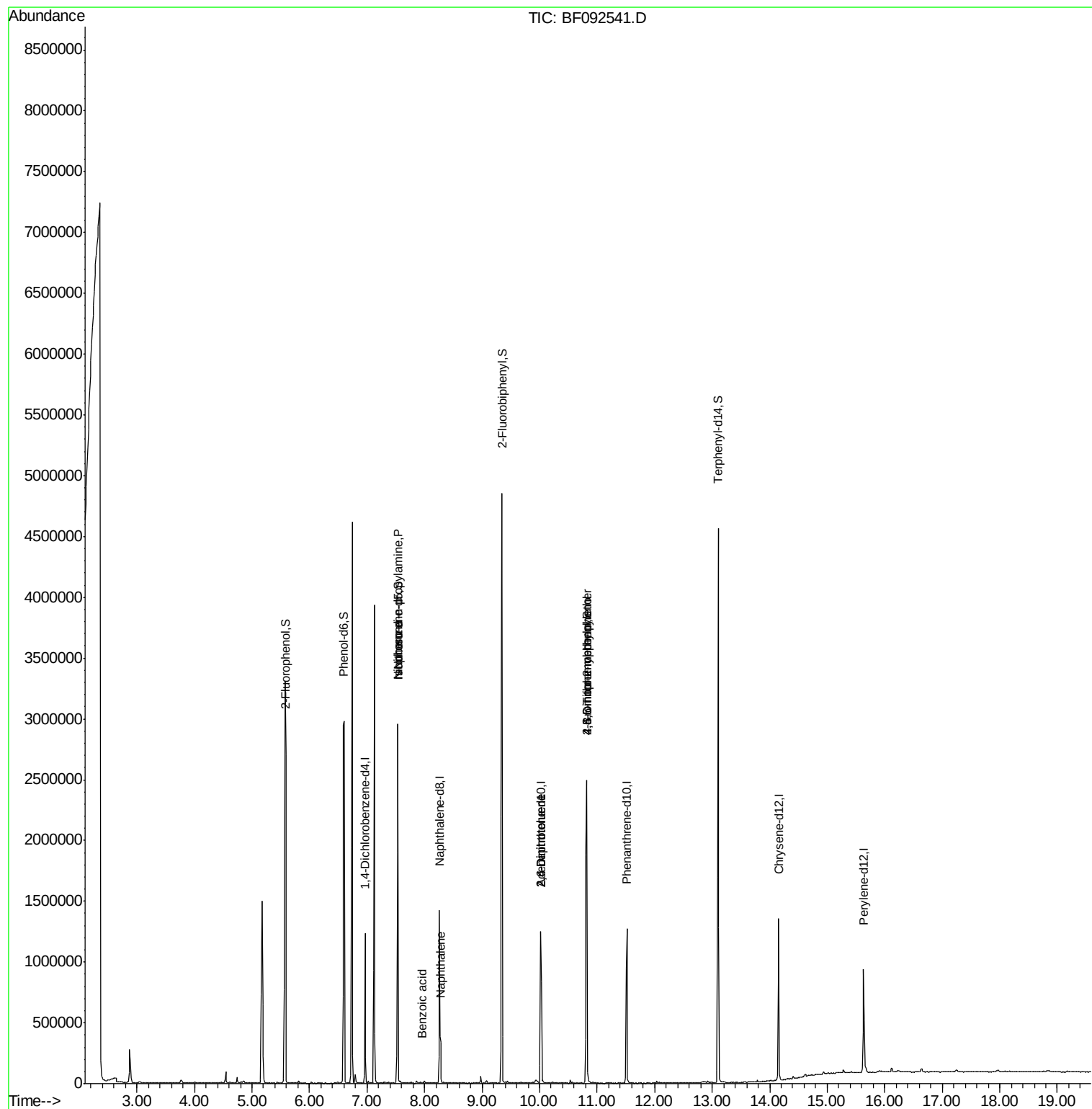
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	166692	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	660197	20.00	ng	-0.01
38) Acenaphthene-d10	10.02	164	369725	20.00	ng	-0.01
63) Phenanthrene-d10	11.52	188	633599	20.00	ng	-0.01
75) Chrysene-d12	14.16	240	587865	20.00	ng	-0.01
86) Perylene-d12	15.63	264	428662	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	1337422	124.83	ng	0.03
7) Phenol-d6	6.60	99	1642084	120.32	ng	0.01
23) Nitrobenzene-d5	7.54	82	1188343	98.32	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	390464	154.98	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	1777715	88.91	ng	-0.01
78) Terphenyl-d14	13.11	244	1733727	78.53	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.54	70	157946	17.00	ng	# 79
25) Isophorone	7.54	82	1139016	47.82	ng	# 65
31) Naphthalene	8.28	128	134566	3.98	ng	98
32) Benzoic acid	7.95	122	235	4.72	ng	92
50) 2,6-Dinitrotoluene	10.02	165	47010	9.78	ng	# 31
56) 2,4-Dinitrotoluene	10.02	165	47012	7.37	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.82	198	918	5.19	ng	# 1
66) 4-Bromophenyl-phenylether	10.82	248	29792	4.66	ng	# 1

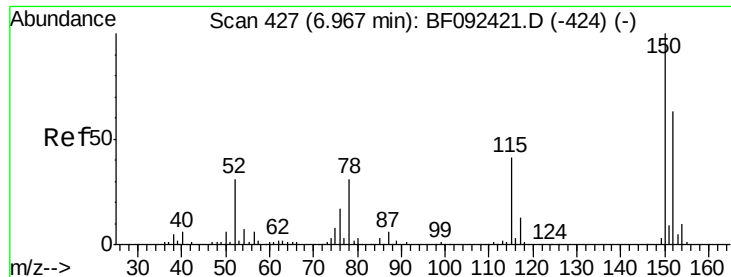
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.97 min Scan# 427

Delta R.T. 0.00 min

Lab File: BF092541.D

Acq: 26 Jan 2017 22:48

Instrument :

BNA_F

ClientSampleId :

CHA-WCS-012417-1(0-4)

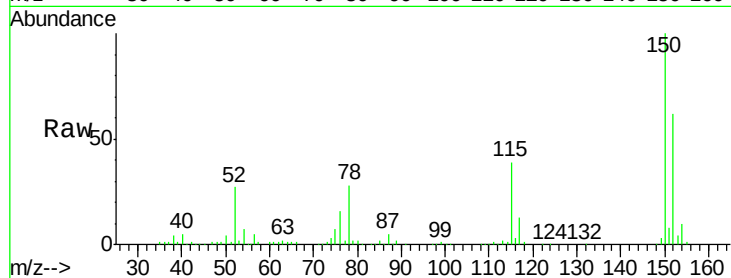
Tgt Ion:152 Resp: 166692

Ion Ratio Lower Upper

152 100

150 160.8 124.9 187.3

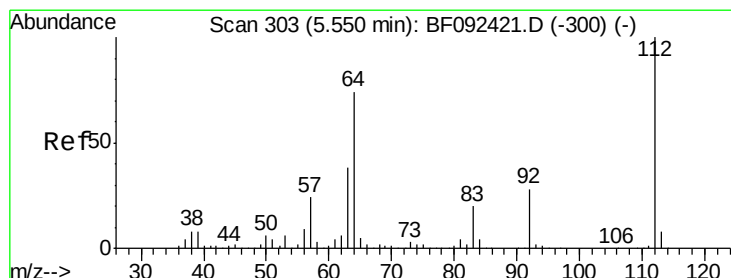
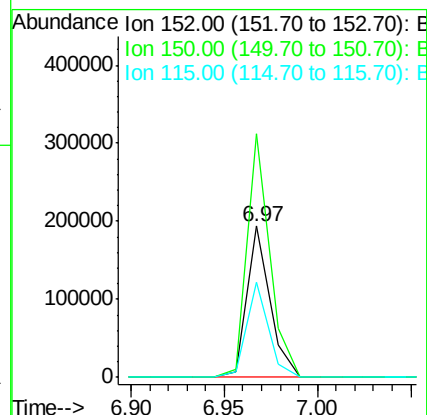
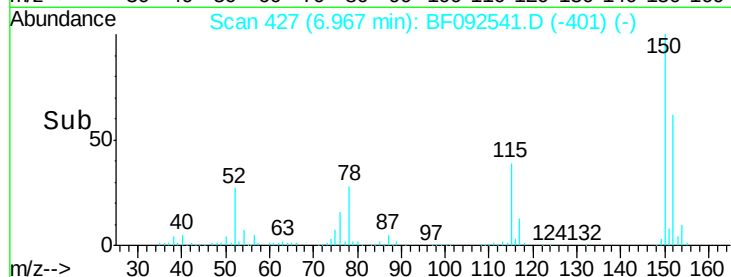
115 63.1 46.0 69.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 124.83 ng

RT: 5.58 min Scan# 306

Delta R.T. 0.03 min

Lab File: BF092541.D

Acq: 26 Jan 2017 22:48

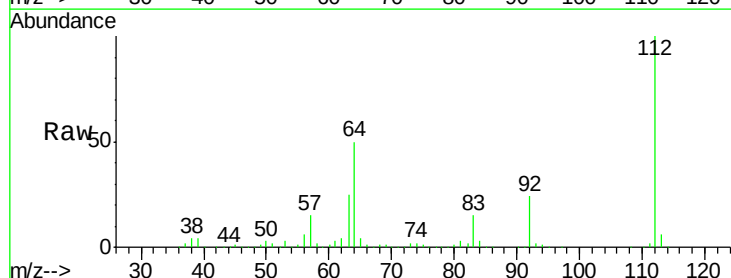
Tgt Ion:112 Resp: 1337422

Ion Ratio Lower Upper

112 100

64 49.5 46.1 69.1

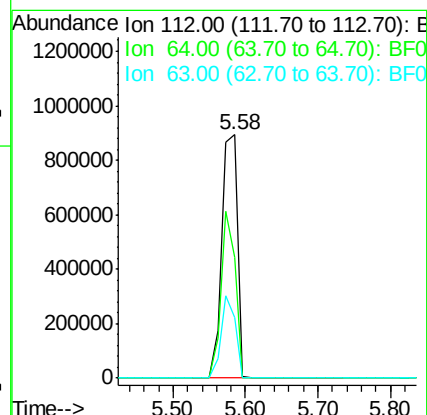
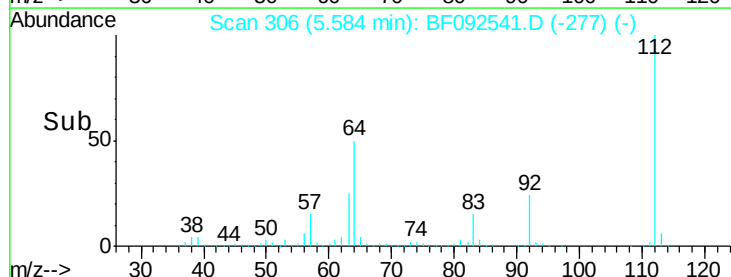
63 24.7 23.8 35.6

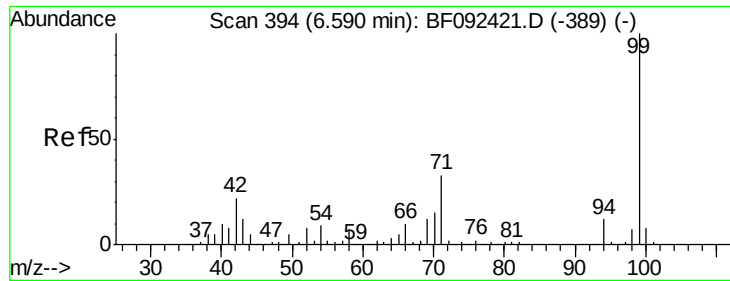


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 120.32 ng

RT: 6.60 min Scan# 395

Delta R.T. 0.01 min

Lab File: BF092541.D

Acq: 26 Jan 2017 22:48

Instrument :

BNA_F

ClientSampleId :

CHA-WCS-012417-1(0-4)

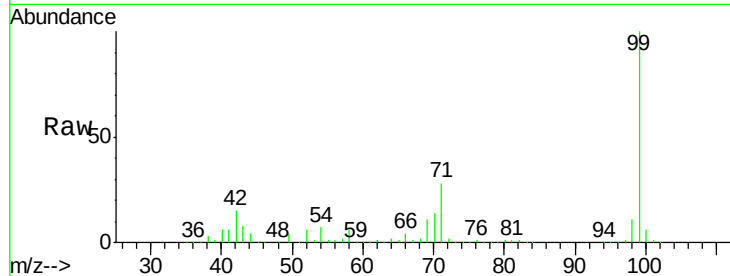
Tgt Ion: 99 Resp: 1642084

Ion Ratio Lower Upper

99 100

42 15.3 15.6 23.4#

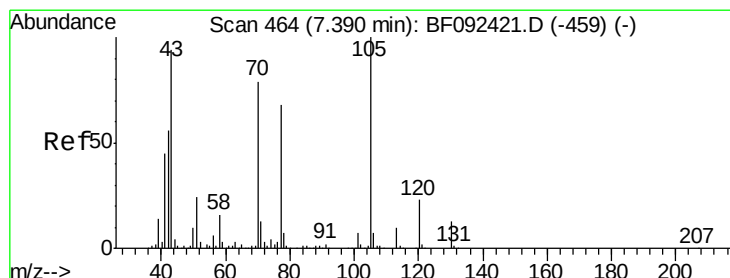
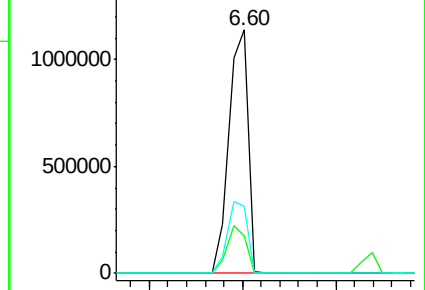
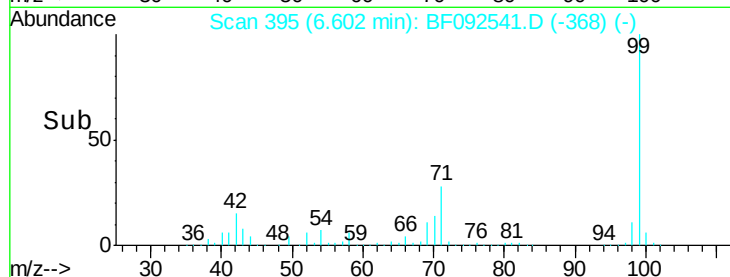
71 27.7 27.5 41.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 17.00 ng

RT: 7.54 min Scan# 477

Delta R.T. 0.15 min

Lab File: BF092541.D

Acq: 26 Jan 2017 22:48

Tgt Ion: 70 Resp: 157946

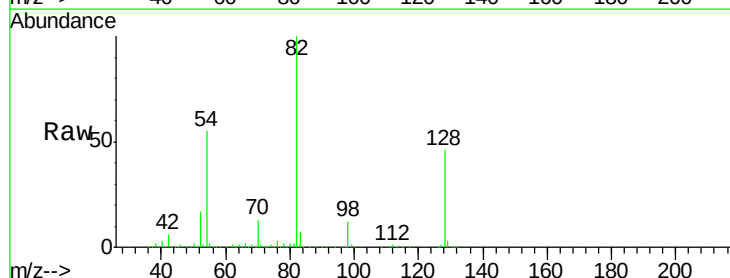
Ion Ratio Lower Upper

70 100

42 49.4 49.4 74.0

101 0.0 7.4 11.2#

130 2.2 14.2 21.4#

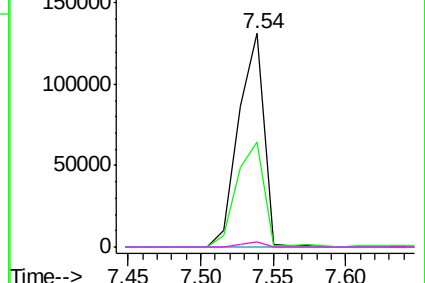
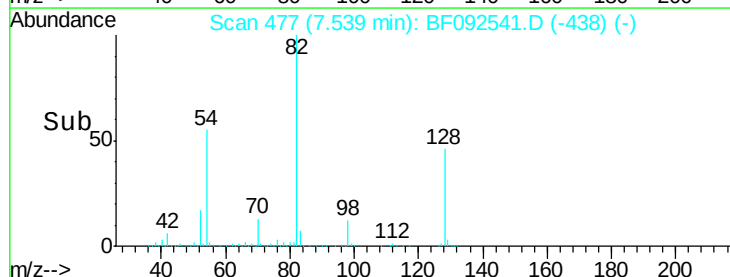


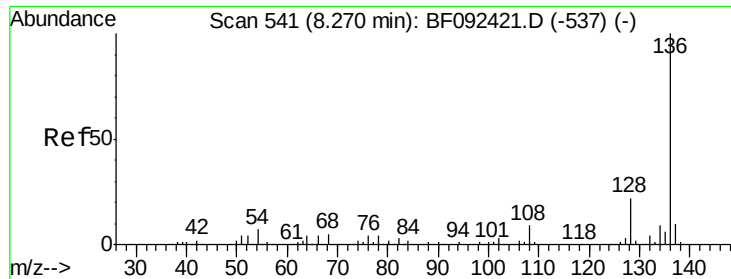
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

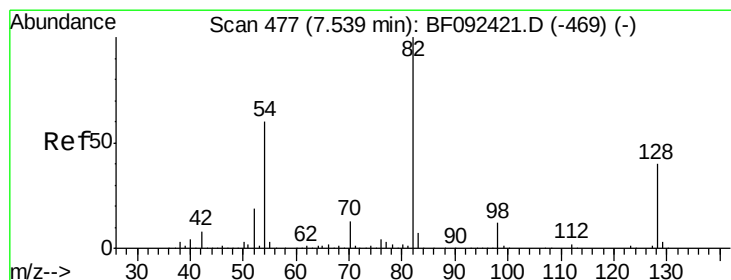
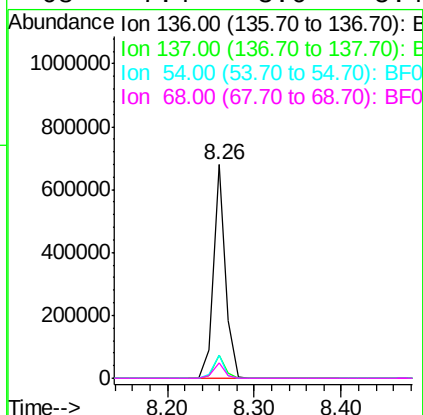
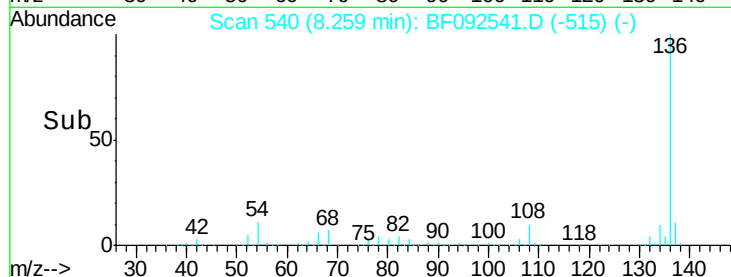
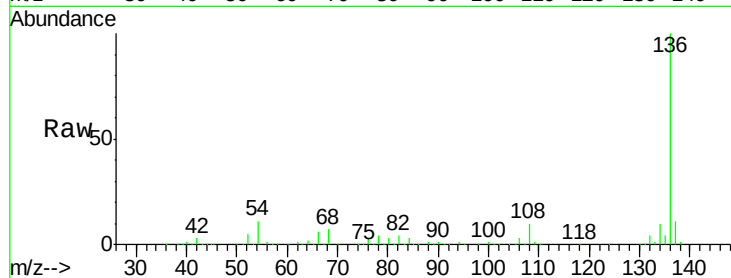




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.26 min Scan# 540
Delta R.T. -0.01 min
Lab File: BF092541.D
Acq: 26 Jan 2017 22:48

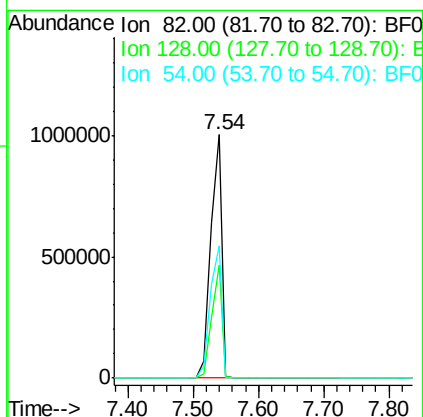
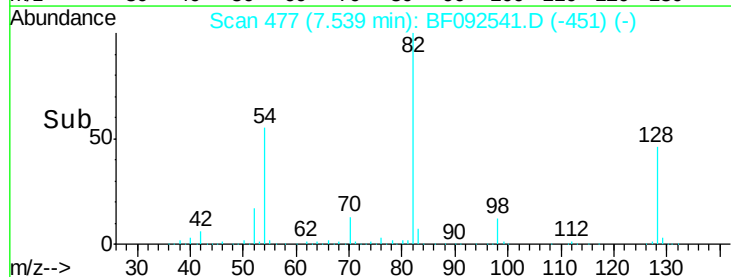
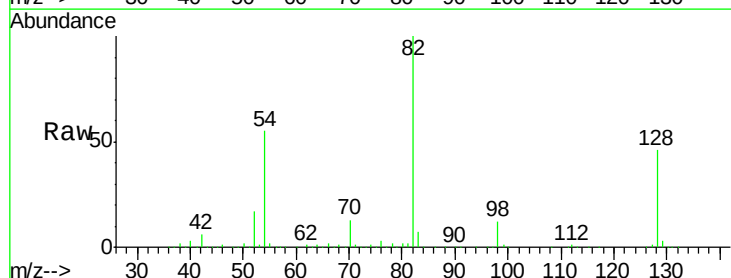
Instrument :
BNA_F
ClientSampleId :
CHA-WCS-012417-1(0-4)

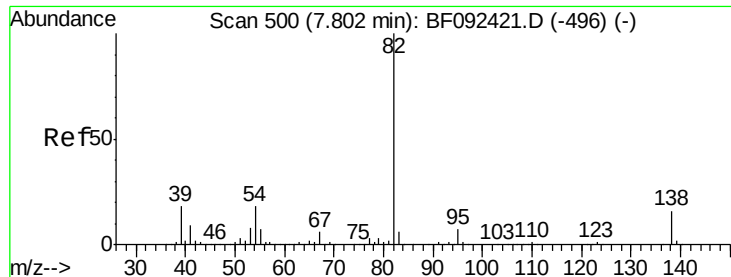
Tgt Ion:	136	Resp:	660197
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	10.7	4.5	6.7#
68	7.4	3.6	5.4#



#23
Nitrobenzene-d5
Concen: 98.32 ng
RT: 7.54 min Scan# 477
Delta R.T. 0.00 min
Lab File: BF092541.D
Acq: 26 Jan 2017 22:48

Tgt Ion:	82	Resp:	1188343
Ion	Ratio	Lower	Upper
82	100		
128	46.4	34.6	52.0
54	54.6	39.5	59.3





#25

Isophorone

Concen: 47.82 ng

RT: 7.54 min Scan# 477

Delta R.T. -0.26 min

Lab File: BF092541.D

Acq: 26 Jan 2017 22:48

Instrument :

BNA_F

ClientSampleId :

CHA-WCS-012417-1(0-4)

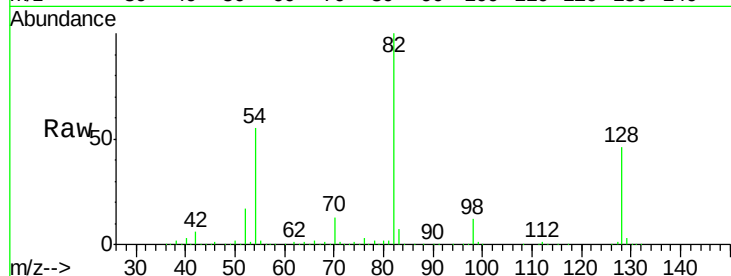
Tgt Ion: 82 Resp: 1139016

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

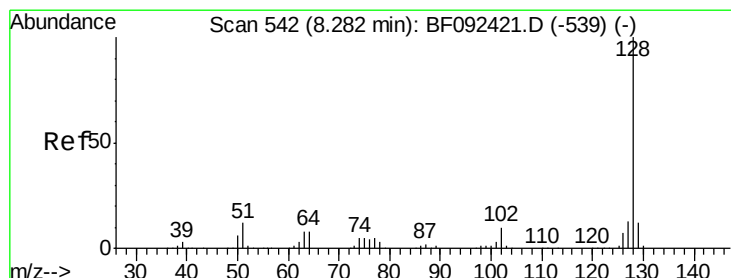
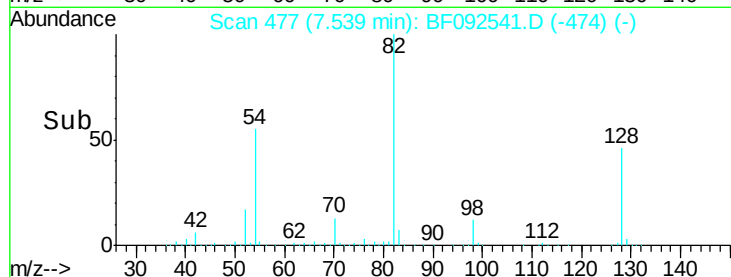
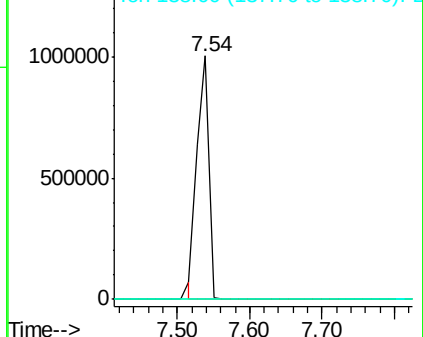
138 0.0 14.6 22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#31

Naphthalene

Concen: 3.98 ng

RT: 8.28 min Scan# 542

Delta R.T. 0.00 min

Lab File: BF092541.D

Acq: 26 Jan 2017 22:48

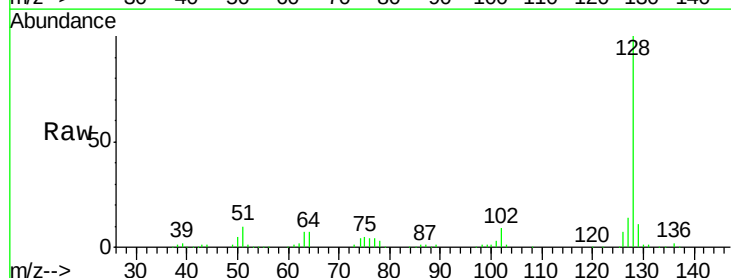
Tgt Ion: 128 Resp: 134566

Ion Ratio Lower Upper

128 100

129 10.6 9.5 14.3

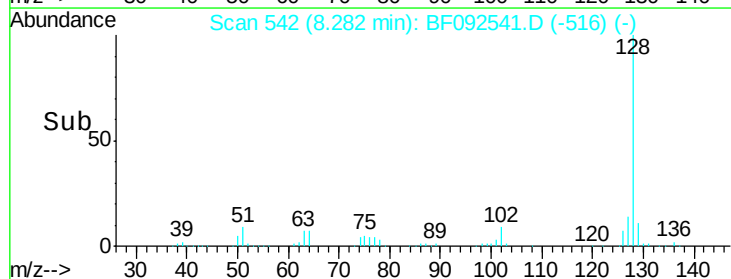
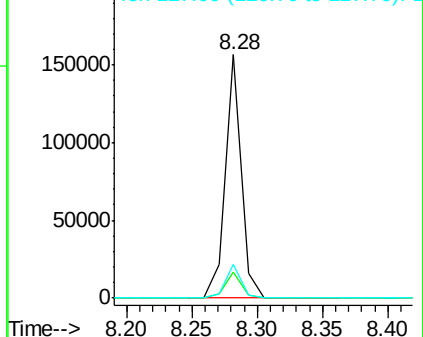
127 14.0 10.8 16.2

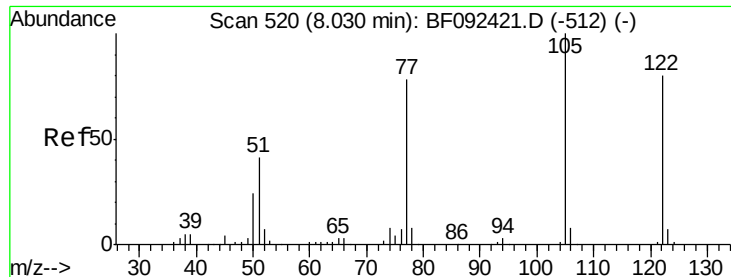


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

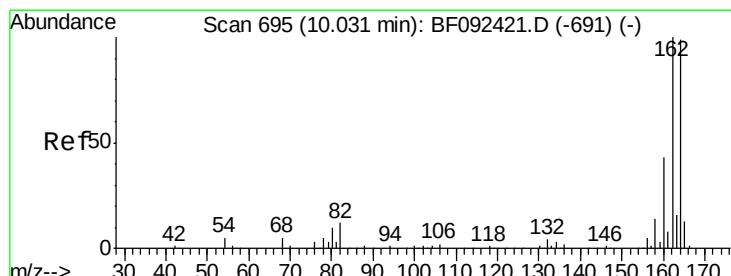
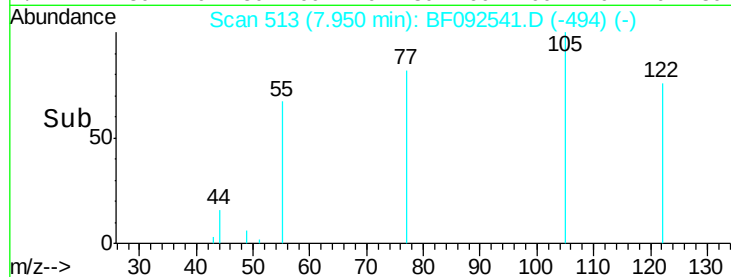
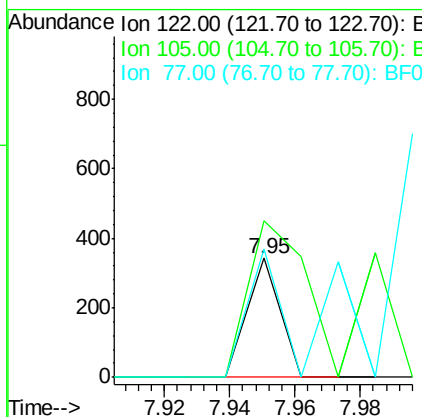
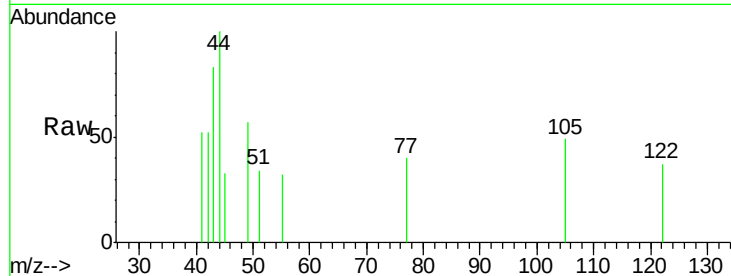




#32
Benzoic acid
Concen: 4.72 ng
RT: 7.95 min Scan# 513
Delta R.T. -0.08 min
Lab File: BF092541.D
Acq: 26 Jan 2017 22:48

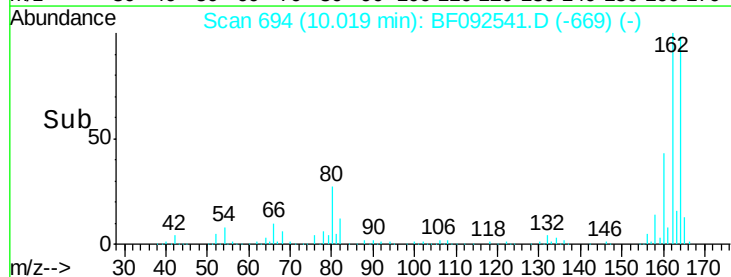
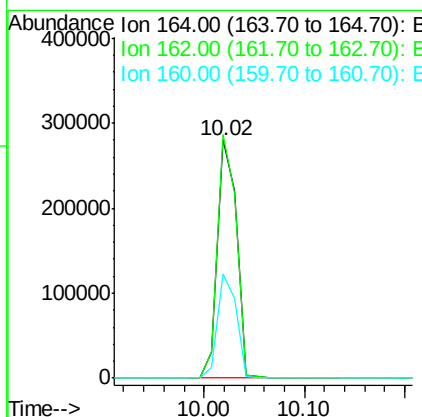
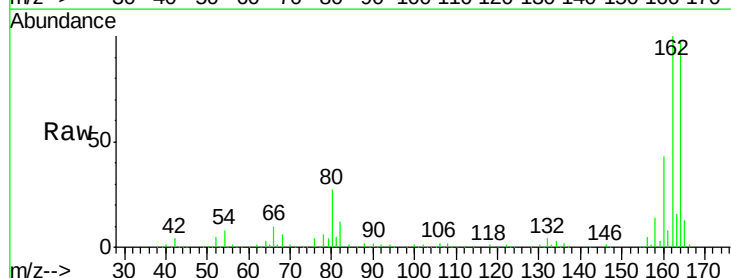
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CHA-WCS-012417-1(0-4)

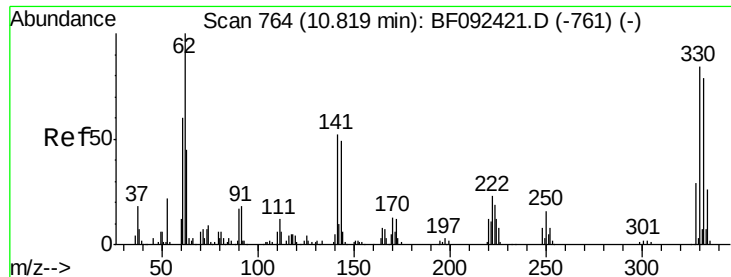
Tgt Ion:122 Resp: 235
Ion Ratio Lower Upper
122 100
105 131.8 107.2 147.2
77 107.6 74.5 114.5



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.02 min Scan# 694
Delta R.T. -0.01 min
Lab File: BF092541.D
Acq: 26 Jan 2017 22:48

Tgt Ion:164 Resp: 369725
Ion Ratio Lower Upper
164 100
162 102.2 80.2 120.2
160 43.5 36.9 55.3





#41

2,4,6-Tribromophenol

Concen: 154.98 ng

RT: 10.82 min Scan# 764

Delta R.T. 0.00 min

Lab File: BF092541.D

Acq: 26 Jan 2017 22:48

Instrument :

BNA_F

ClientSampleId :

CHA-WCS-012417-1(0-4)

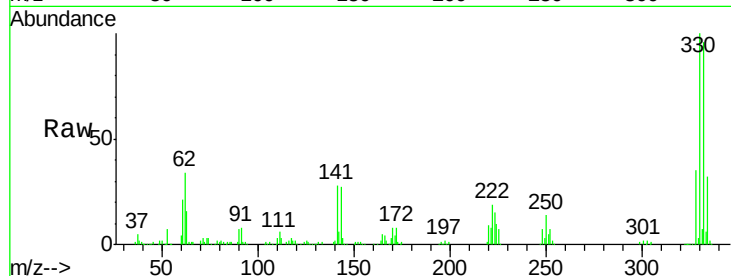
Tgt Ion:330 Resp: 390464

Ion Ratio Lower Upper

330 100

332 96.7 77.4 116.2

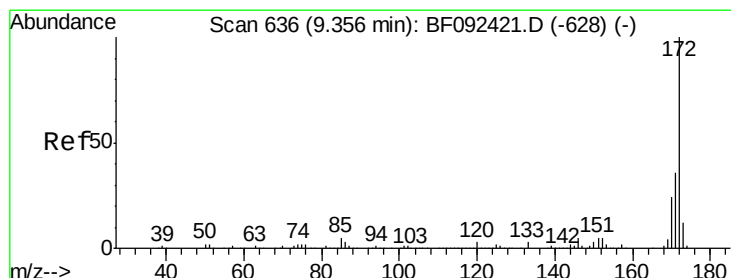
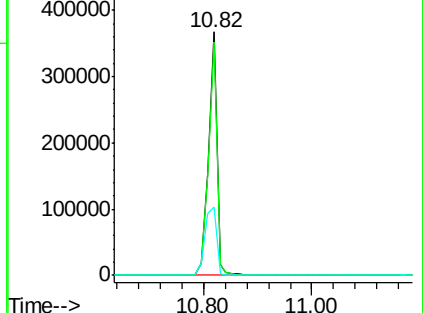
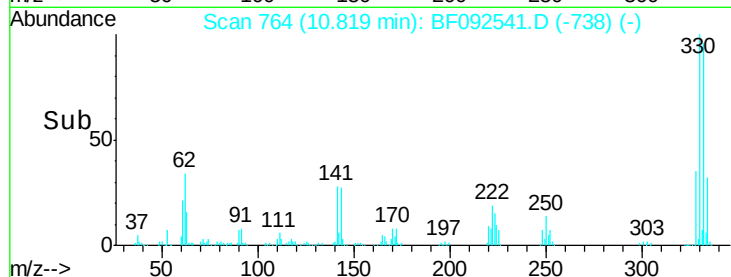
141 38.7 34.1 51.1



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 88.91 ng

RT: 9.34 min Scan# 635

Delta R.T. -0.01 min

Lab File: BF092541.D

Acq: 26 Jan 2017 22:48

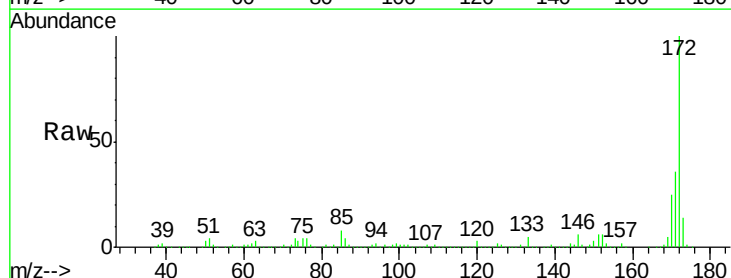
Tgt Ion:172 Resp: 1777715

Ion Ratio Lower Upper

172 100

171 36.2 29.4 44.0

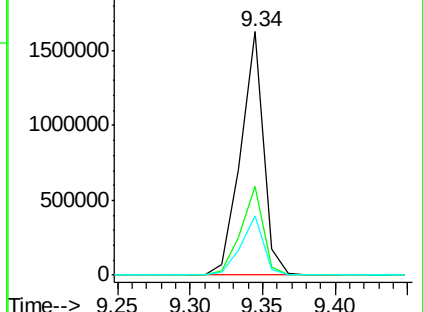
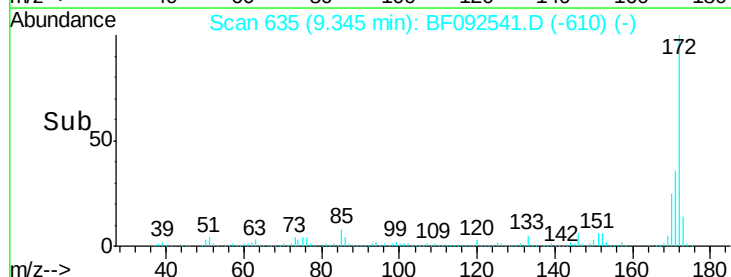
170 24.6 20.2 30.4

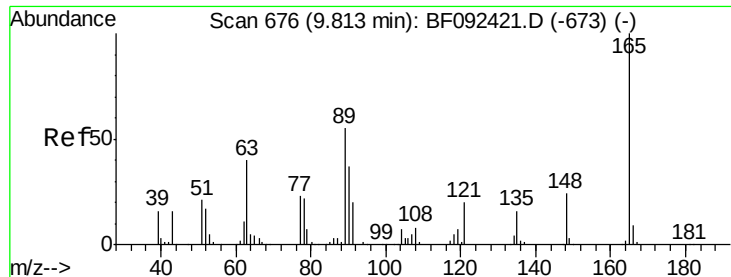


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

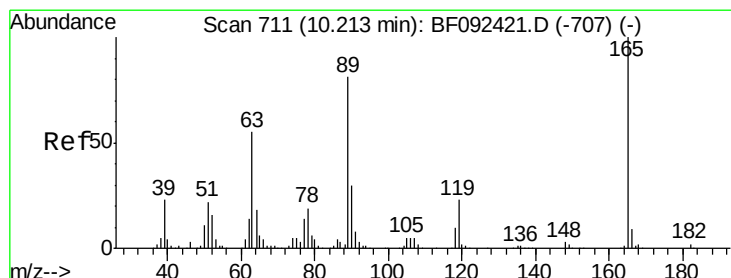
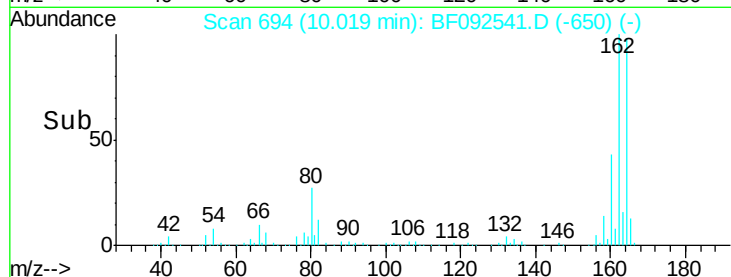
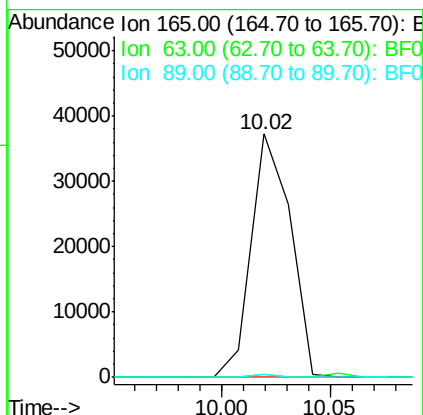
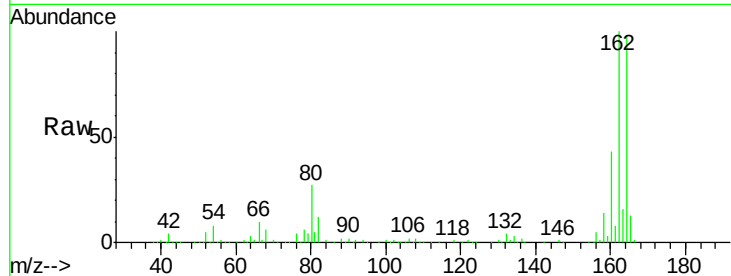




#50
2,6-Dinitrotoluene
Concen: 9.78 ng
RT: 10.02 min Scan# 694
Delta R.T. 0.21 min
Lab File: BF092541.D
Acq: 26 Jan 2017 22:48

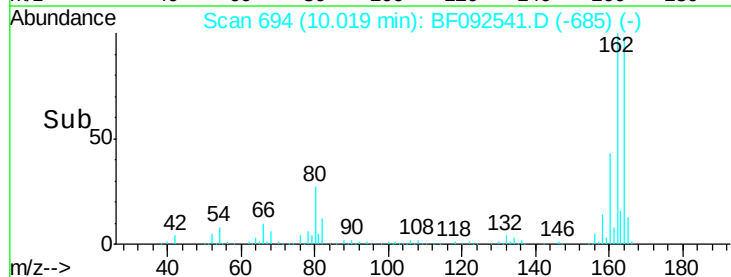
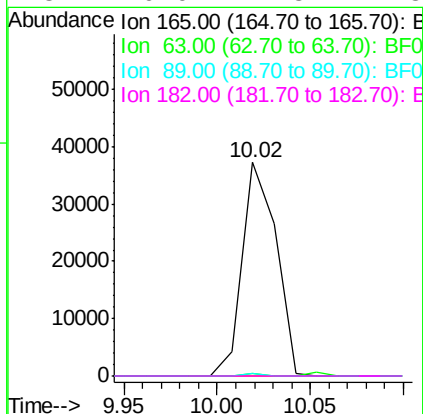
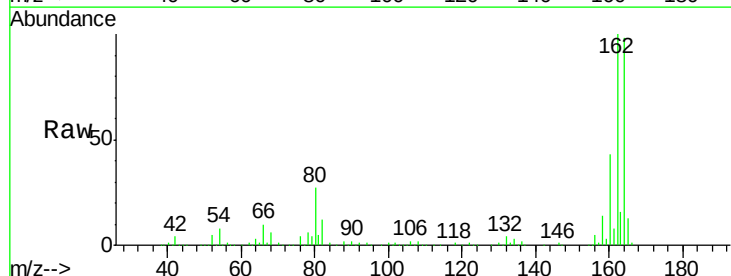
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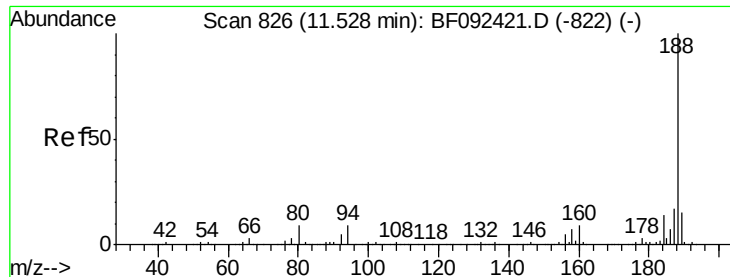
Tgt Ion:165 Resp: 47010
Ion Ratio Lower Upper
165 100
63 1.1 36.2 54.4#
89 1.3 40.2 60.4#



#56
2,4-Dinitrotoluene
Concen: 7.37 ng
RT: 10.02 min Scan# 694
Delta R.T. -0.19 min
Lab File: BF092541.D
Acq: 26 Jan 2017 22:48

Tgt Ion:165 Resp: 47012
Ion Ratio Lower Upper
165 100
63 1.1 40.2 60.4#
89 1.3 62.5 93.7#
182 0.0 1.8 2.8#

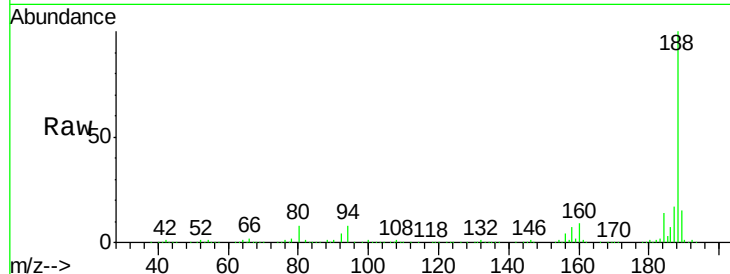




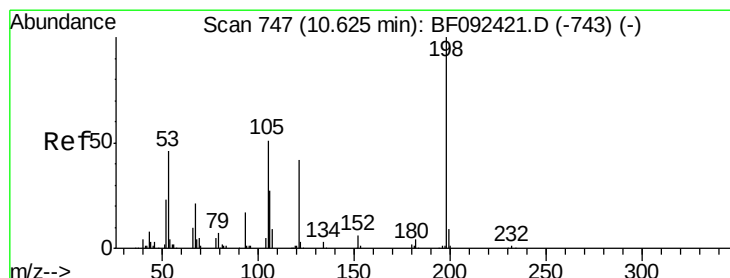
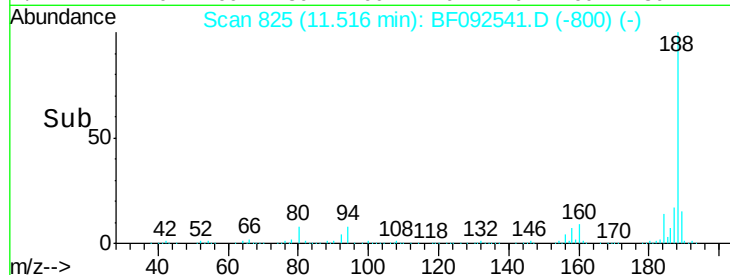
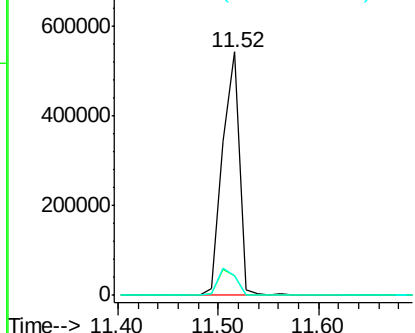
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.52 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF092541.D
Acq: 26 Jan 2017 22:48

Instrument :
BNA_F
ClientSampleId :
CHA-WCS-012417-1(0-4)

Tgt Ion:188 Resp: 633599
Ion Ratio Lower Upper
188 100
94 7.9 10.0 15.0#
80 8.0 11.2 16.8#

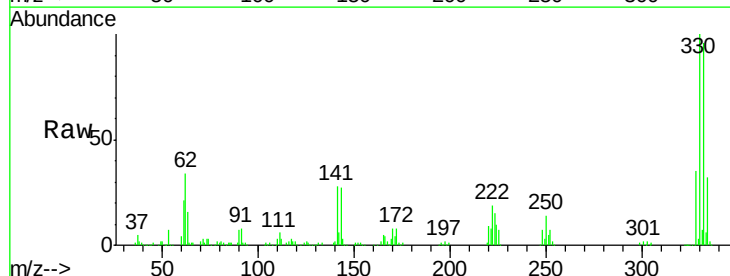


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

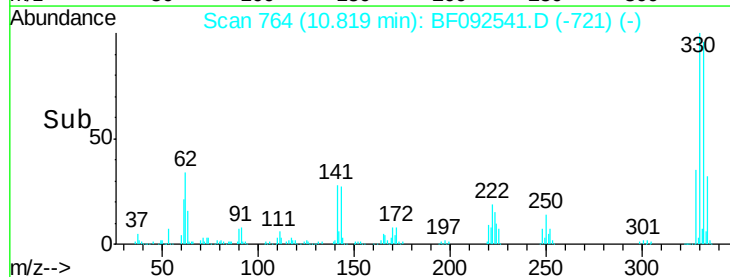
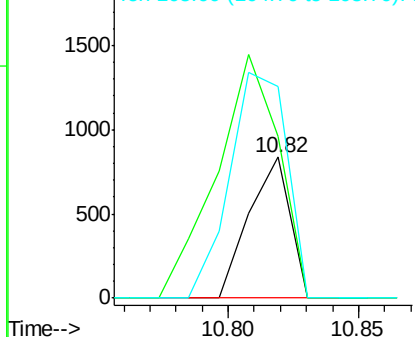


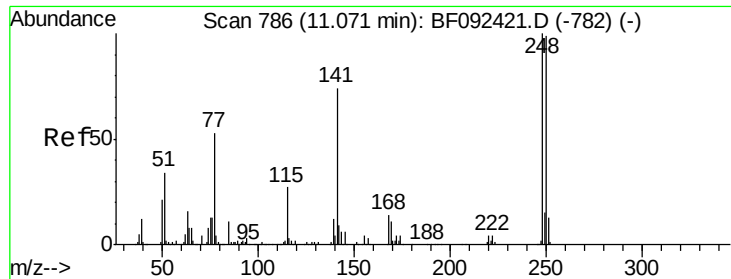
#64
4,6-Dinitro-2-methylphenol
Concen: 5.19 ng
RT: 10.82 min Scan# 764
Delta R.T. 0.20 min
Lab File: BF092541.D
Acq: 26 Jan 2017 22:48

Tgt Ion:198 Resp: 918
Ion Ratio Lower Upper
198 100
51 114.7 6.7 46.7#
105 149.9 16.6 56.6#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

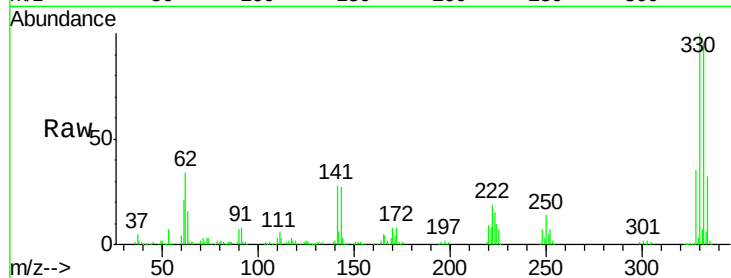




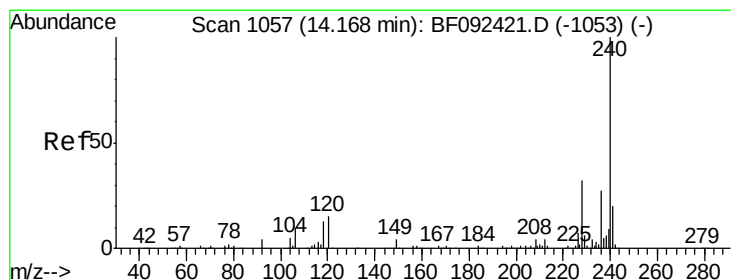
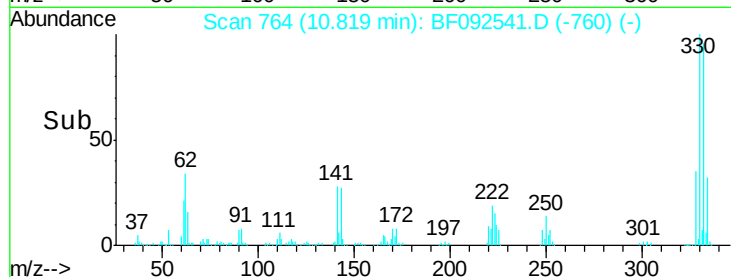
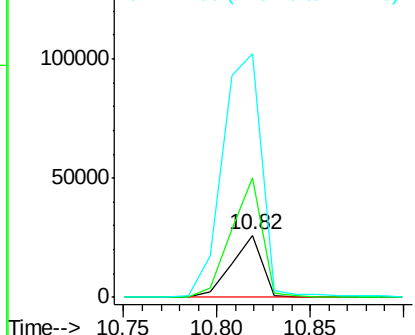
#66
4-Bromophenyl-phenylether
Concen: 4.66 ng
RT: 10.82 min Scan# 764
Delta R.T. -0.25 min
Lab File: BF092541.D
Acq: 26 Jan 2017 22:48

Instrument :
BNA_F
ClientSampleId :
CHA-WCS-012417-1(0-4)

Tgt Ion:248 Resp: 29792
Ion Ratio Lower Upper
248 100
250 191.9 76.9 115.3#
141 393.0 68.2 102.4#

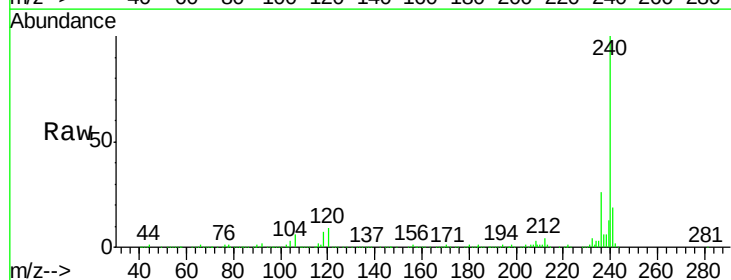


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

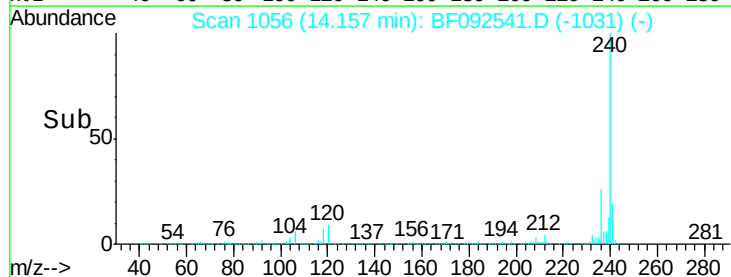
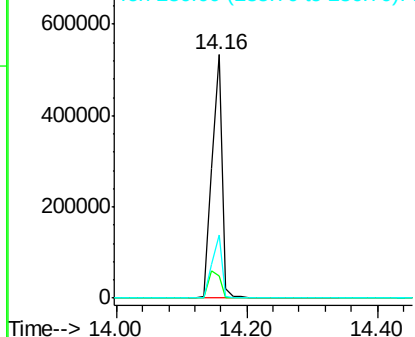


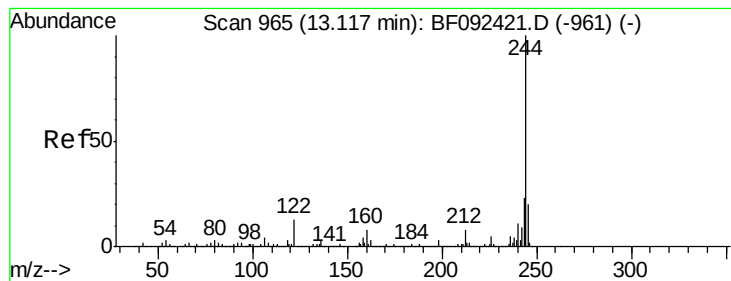
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.16 min Scan# 1056
Delta R.T. -0.01 min
Lab File: BF092541.D
Acq: 26 Jan 2017 22:48

Tgt Ion:240 Resp: 587865
Ion Ratio Lower Upper
240 100
120 8.9 12.9 19.3#
236 25.9 20.9 31.3



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





#78

Terphenyl-d14

Concen: 78.53 ng

RT: 13.11 min Scan# 964

Delta R.T. -0.01 min

Lab File: BF092541.D

Acq: 26 Jan 2017 22:48

Instrument :

BNA_F

ClientSampleId :

CHA-WCS-012417-1(0-4)

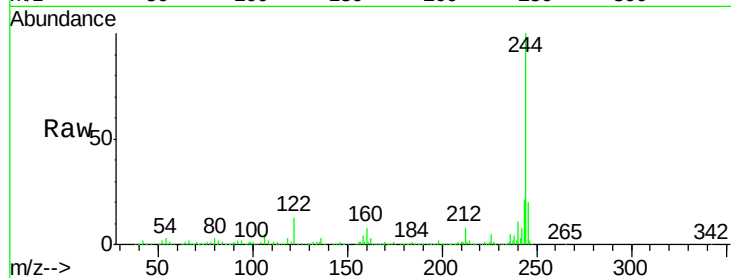
Tgt Ion:244 Resp: 1733727

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

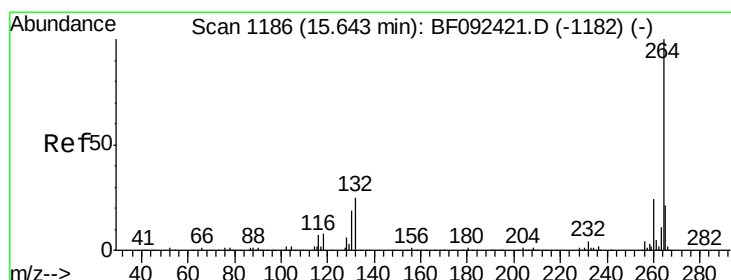
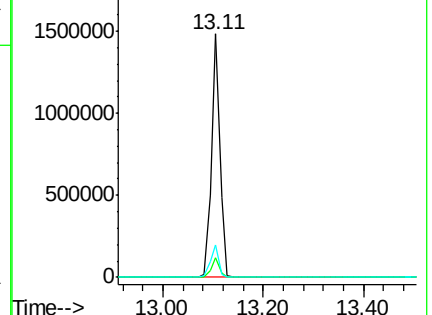
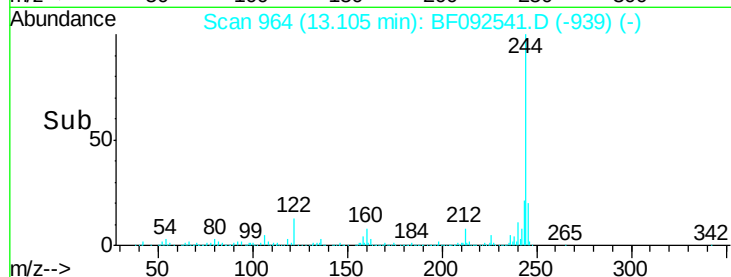
122 13.2 11.4 17.2



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.63 min Scan# 1185

Delta R.T. -0.01 min

Lab File: BF092541.D

Acq: 26 Jan 2017 22:48

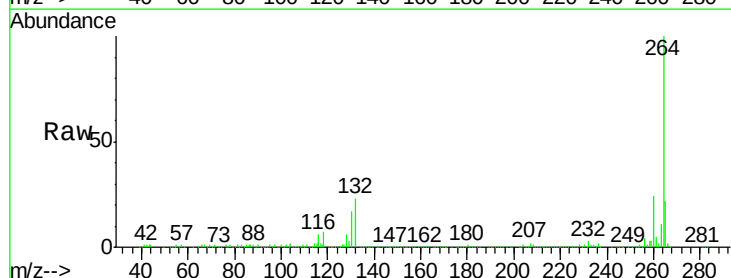
Tgt Ion:264 Resp: 428662

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

265 22.2 17.4 26.0



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

