

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012617\
 Data File : BF092538.D
 Acq On : 26 Jan 2017 21:26
 Operator : SJ/MA
 Sample : I1448-09
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

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

Quant Time: Jan 27 00:12:58 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

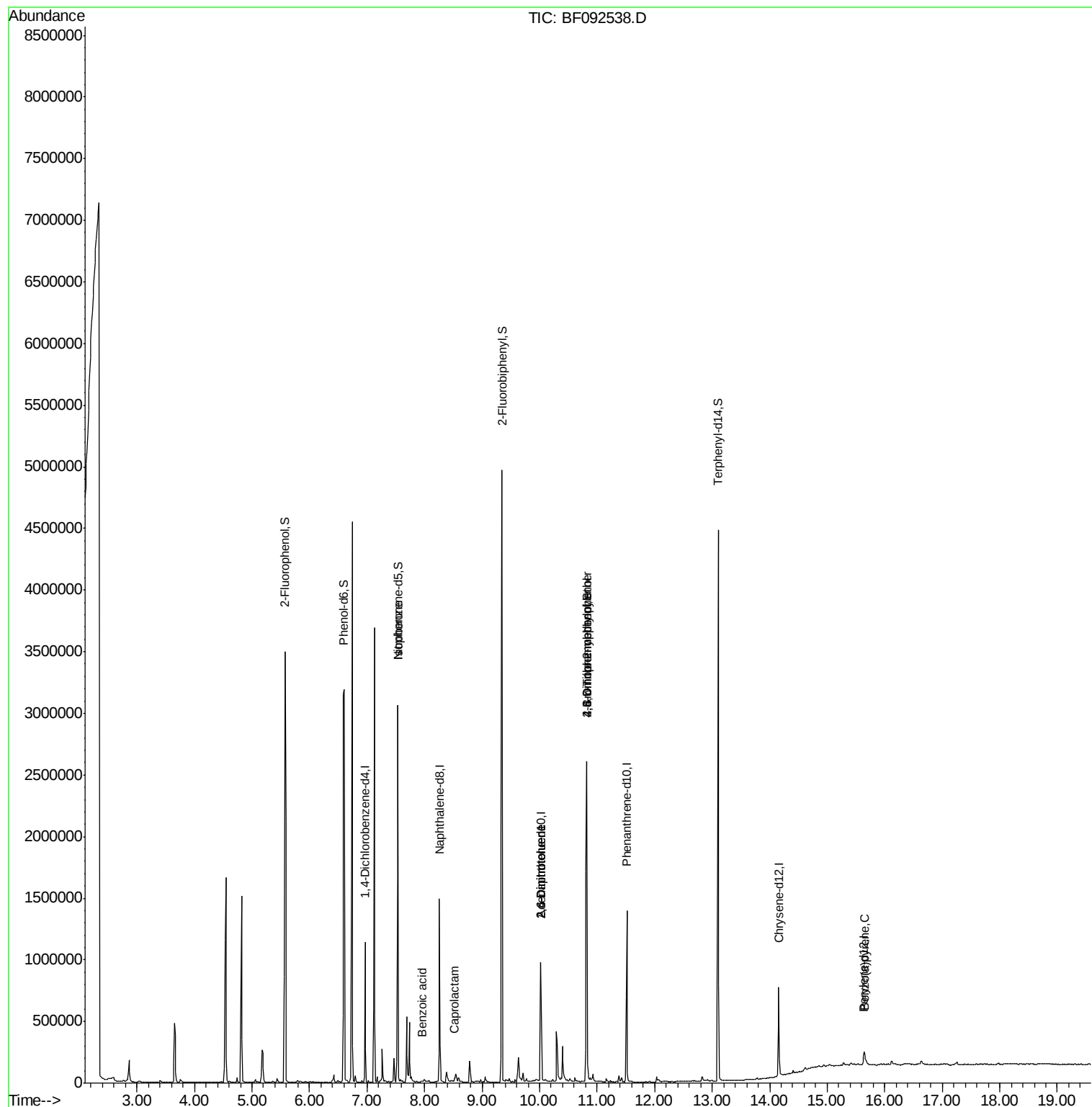
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	159200	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	641386	20.00	ng	-0.01
38) Acenaphthene-d10	10.02	164	202264	20.00	ng	-0.01
63) Phenanthrene-d10	11.52	188	515539	20.00	ng	-0.01
75) Chrysene-d12	14.16	240	161010	20.00	ng	-0.01
86) Perylene-d12	15.63	264	10449	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	1284556	125.54	ng	0.02
7) Phenol-d6	6.60	99	1056035	81.02	ng	0.01
23) Nitrobenzene-d5	7.54	82	1138677	96.98	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	369085	267.77	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	1724493	157.66	ng	-0.01
78) Terphenyl-d14	13.11	244	1312092	217.00	ng	-0.01
Target Compounds						
25) Isophorone	7.54	82	1100709	47.57	ng	# 65
32) Benzoic acid	7.95	122	2981	5.03	ng	# 80
35) Caprolactam	8.52	113	14875	4.79	ng	# 6
50) 2,6-Dinitrotoluene	10.02	165	25637	9.75	ng	# 33
56) 2,4-Dinitrotoluene	10.02	165	25638	7.35	ng	# 22
64) 4,6-Dinitro-2-methylphenol	10.82	198	887	5.24	ng	# 1
66) 4-Bromophenyl-phenylether	10.82	248	28464	5.47	ng	# 1
89) Benzo(a)pyrene	15.65	252	2720	4.79	ng	# 1

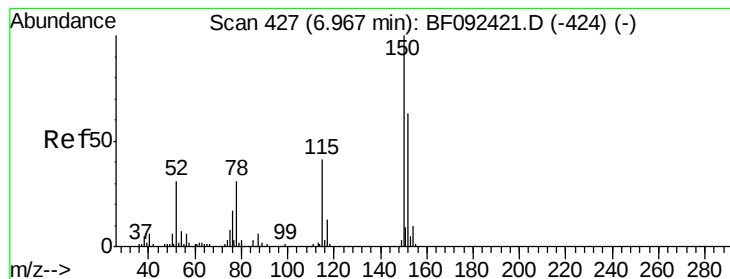
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF092538.D

Acq: 26 Jan 2017 21:26

Instrument :

BNA_F

ClientSampleId :

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

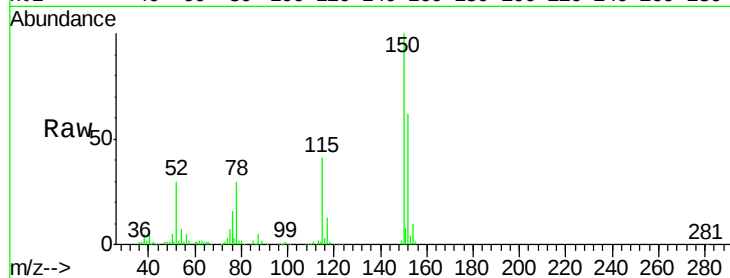
Tgt Ion:152 Resp: 159200

Ion Ratio Lower Upper

152 100

150 162.5 124.9 187.3

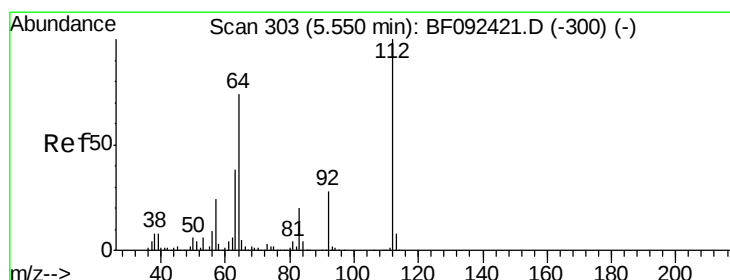
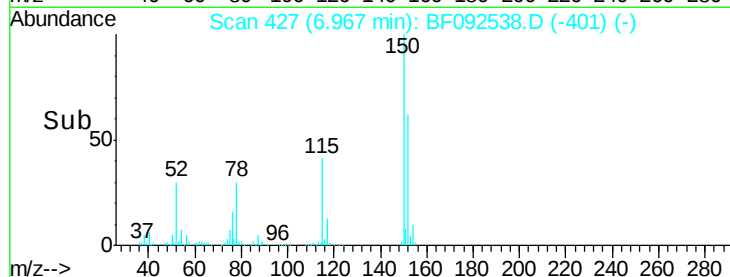
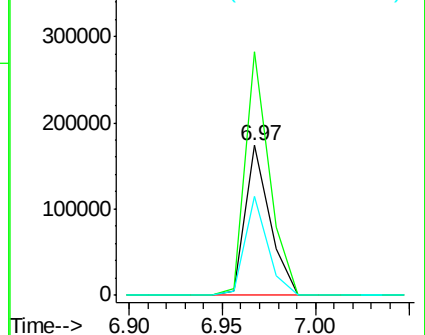
115 66.3 46.0 69.0



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: 125.54 ng

RT: 5.57 min Scan# 305

Delta R.T. 0.02 min

Lab File: BF092538.D

Acq: 26 Jan 2017 21:26

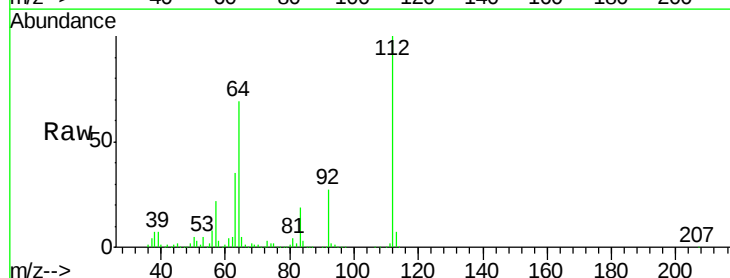
Tgt Ion:112 Resp: 1284556

Ion Ratio Lower Upper

112 100

64 68.6 46.1 69.1

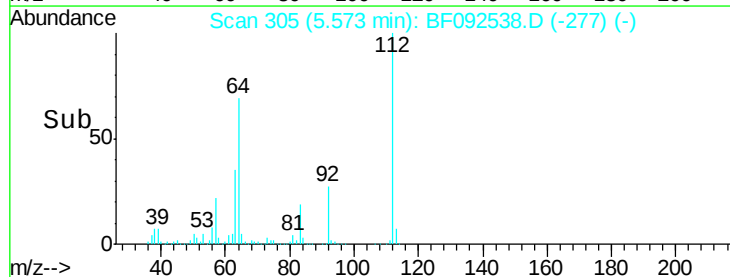
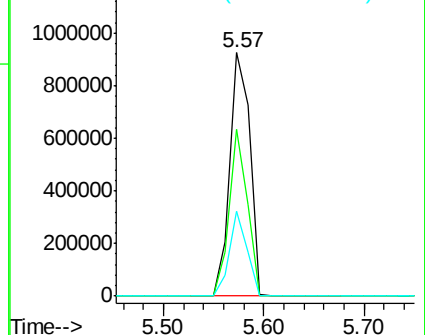
63 35.1 23.8 35.6

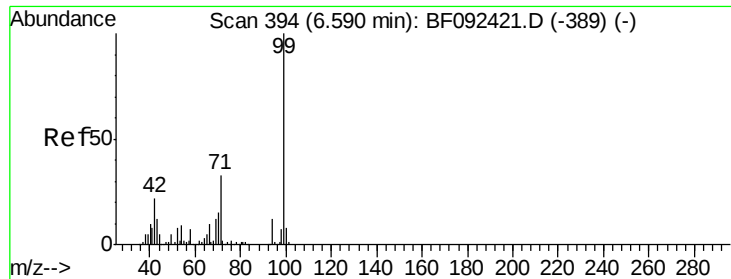


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 81.02 ng

RT: 6.60 min Scan# 395

Delta R.T. 0.01 min

Lab File: BF092538.D

Acq: 26 Jan 2017 21:26

Instrument :

BNA_F

ClientSampleId :

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

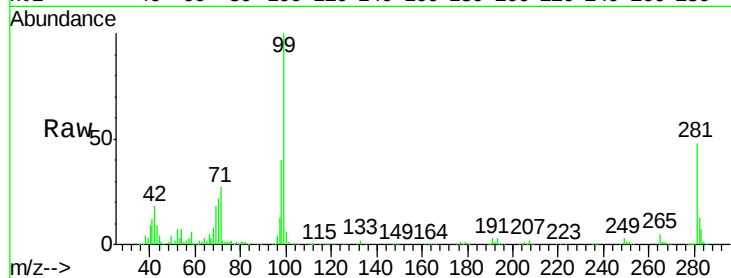
Tgt Ion: 99 Resp: 1056035

Ion Ratio Lower Upper

99 100

42 17.9 15.6 23.4

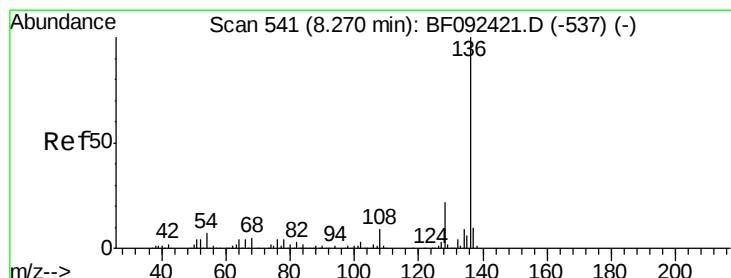
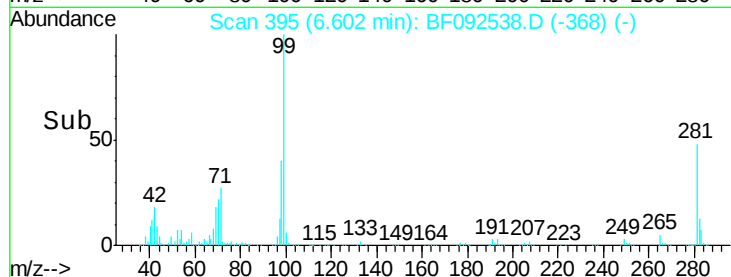
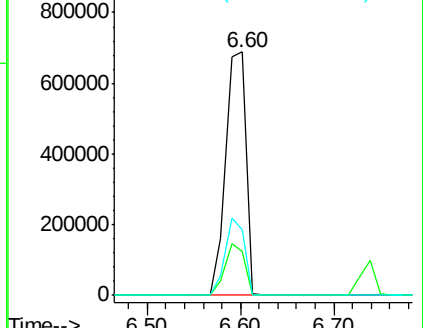
71 26.9 27.5 41.3#



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.26 min Scan# 540

Delta R.T. -0.01 min

Lab File: BF092538.D

Acq: 26 Jan 2017 21:26

Tgt Ion: 136 Resp: 641386

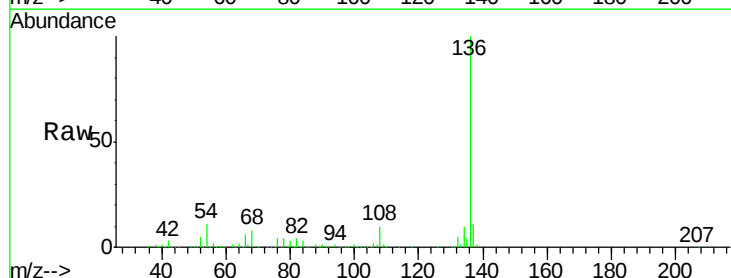
Ion Ratio Lower Upper

136 100

137 11.2 8.4 12.6

54 11.3 4.5 6.7#

68 7.8 3.6 5.4#

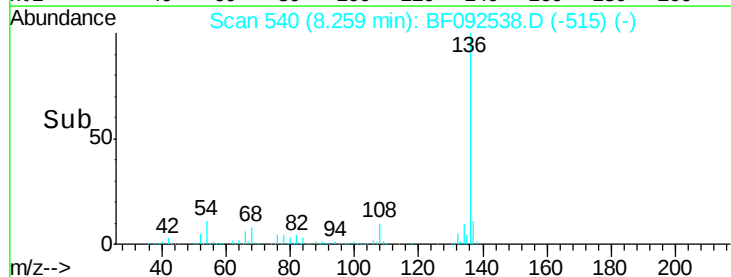
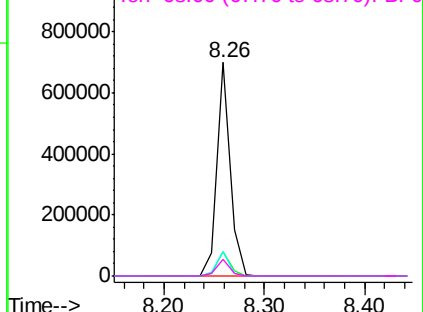


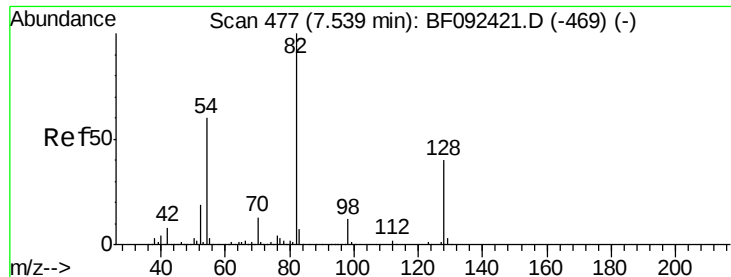
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

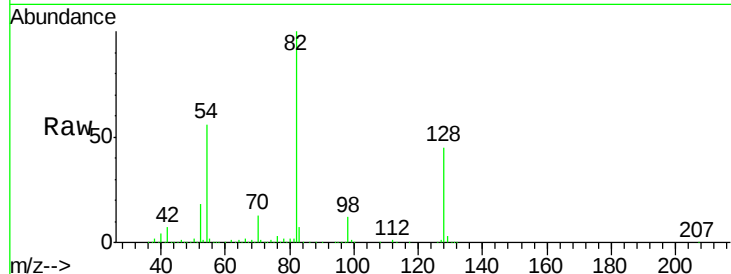




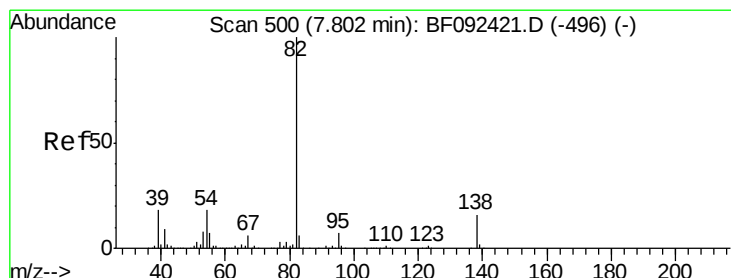
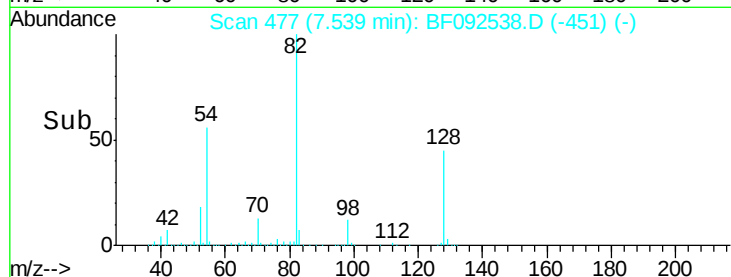
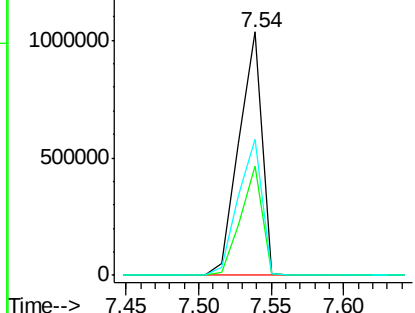
#23
Nitrobenzene-d5
Concen: 96.98 ng
RT: 7.54 min Scan# 477
Delta R.T. 0.00 min
Lab File: BF092538.D
Acq: 26 Jan 2017 21:26

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

Tgt Ion: 82 Resp: 1138677
Ion Ratio Lower Upper
82 100
128 44.8 34.6 52.0
54 56.0 39.5 59.3

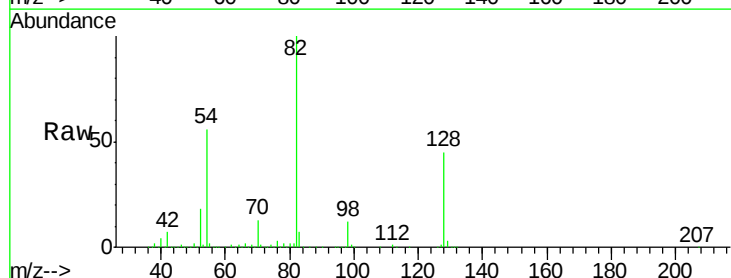


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

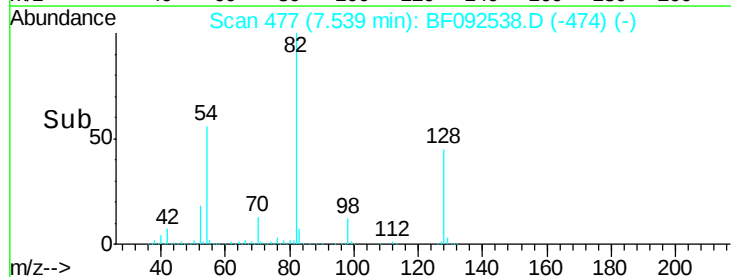
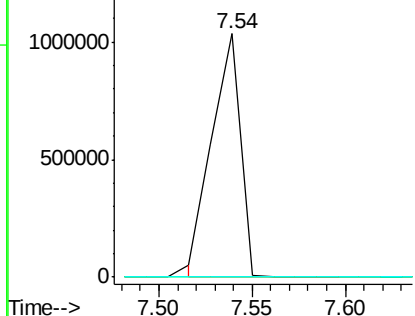


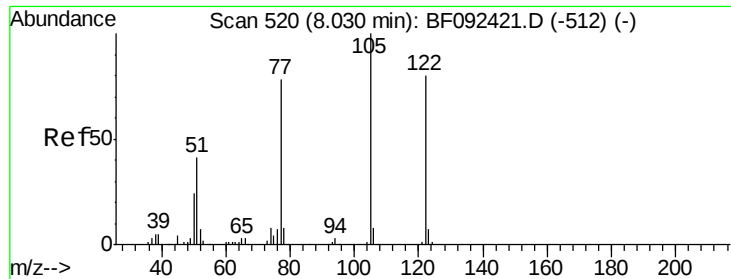
#25
Isophorone
Concen: 47.57 ng
RT: 7.54 min Scan# 477
Delta R.T. -0.26 min
Lab File: BF092538.D
Acq: 26 Jan 2017 21:26

Tgt Ion: 82 Resp: 1100709
Ion Ratio Lower Upper
82 100
95 0.1 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

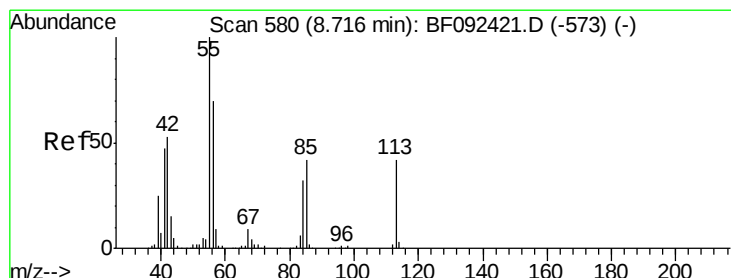
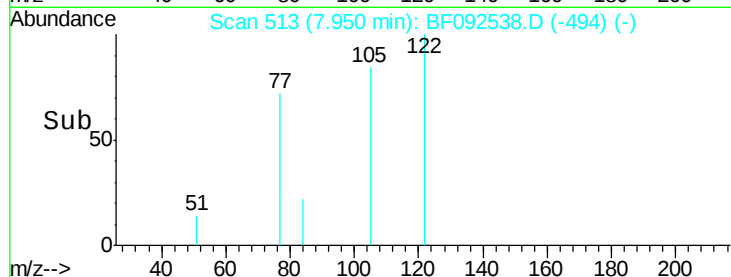
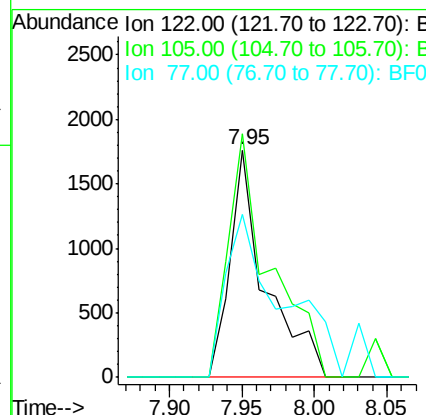
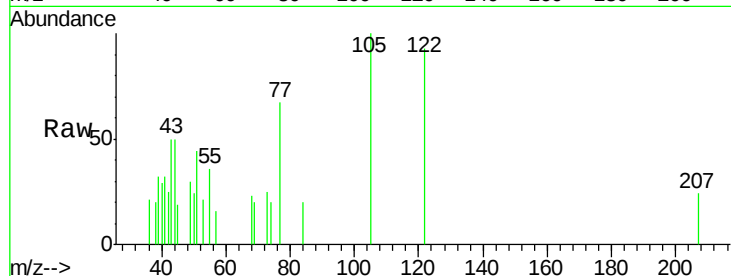




#32
Benzoic acid
Concen: 5.03 ng
RT: 7.95 min Scan# 513
Delta R.T. -0.08 min
Lab File: BF092538.D
Acq: 26 Jan 2017 21:26

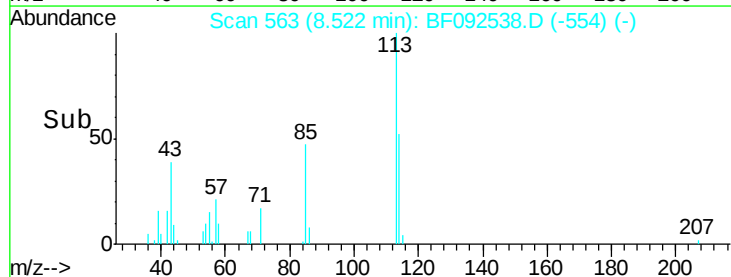
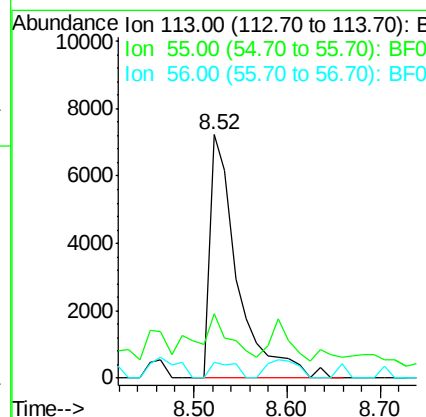
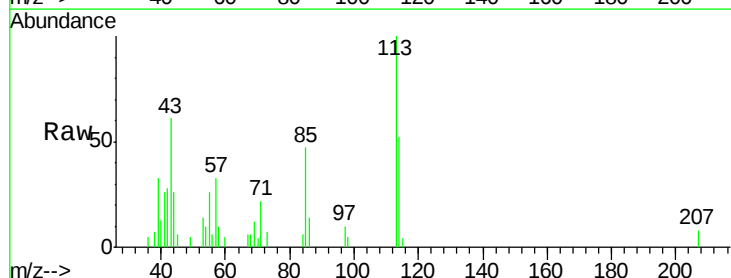
Instrument :
BNA_F
ClientSampleId :
CHA-WCS-012317-1(0-70)

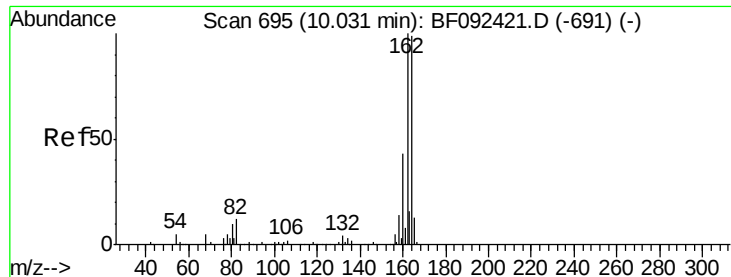
Tgt Ion:122 Resp: 2981
Ion Ratio Lower Upper
122 100
105 107.1 107.2 147.2#
77 71.8 74.5 114.5#



#35
Caprolactam
Concen: 4.79 ng
RT: 8.52 min Scan# 563
Delta R.T. -0.19 min
Lab File: BF092538.D
Acq: 26 Jan 2017 21:26

Tgt Ion:113 Resp: 14875
Ion Ratio Lower Upper
113 100
55 26.3 119.2 159.2#
56 6.3 83.8 123.8#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.02 min Scan# 694

Delta R.T. -0.01 min

Lab File: BF092538.D

Acq: 26 Jan 2017 21:26

Instrument :

BNA_F

ClientSampleId :

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

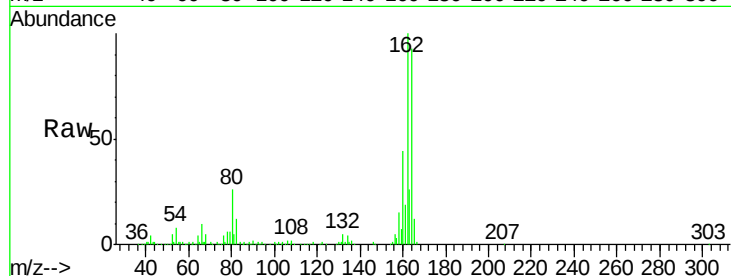
Tgt Ion:164 Resp: 202264

Ion Ratio Lower Upper

164 100

162 107.1 80.2 120.2

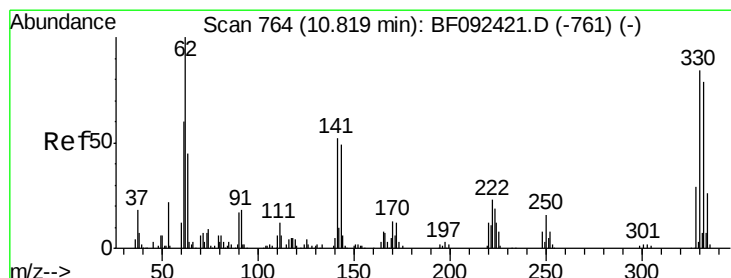
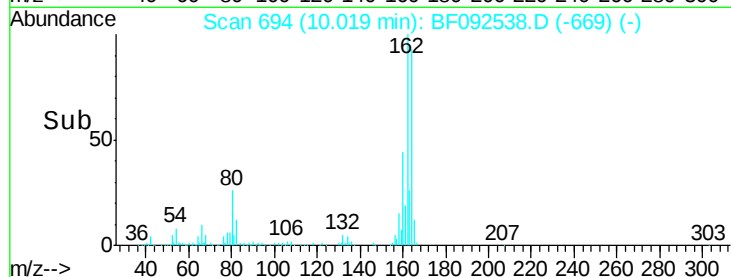
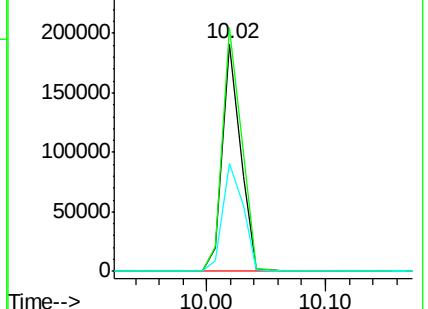
160 47.6 36.9 55.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 267.77 ng

RT: 10.82 min Scan# 764

Delta R.T. 0.00 min

Lab File: BF092538.D

Acq: 26 Jan 2017 21:26

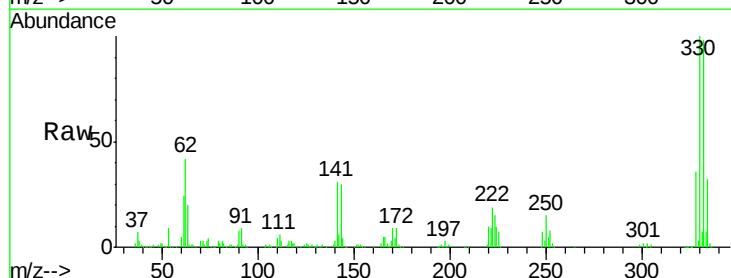
Tgt Ion:330 Resp: 369085

Ion Ratio Lower Upper

330 100

332 97.3 77.4 116.2

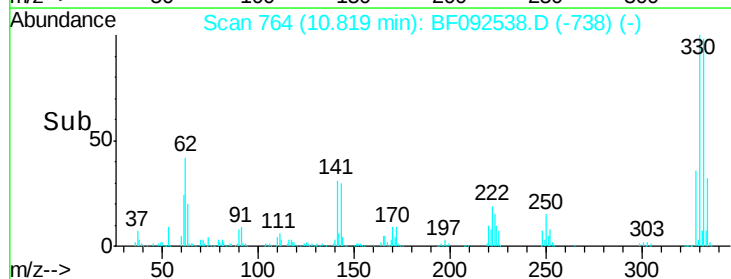
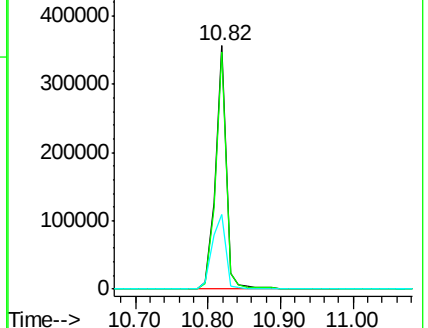
141 39.3 34.1 51.1

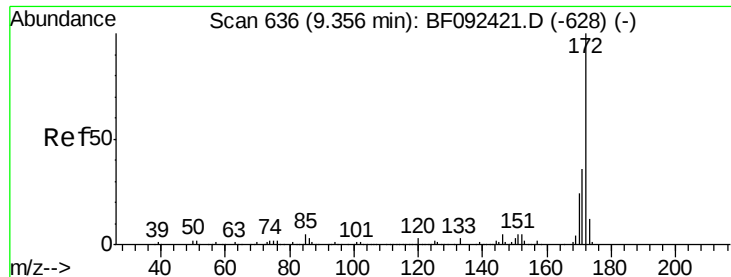


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 157.66 ng

RT: 9.34 min Scan# 635

Delta R.T. -0.01 min

Lab File: BF092538.D

Acq: 26 Jan 2017 21:26

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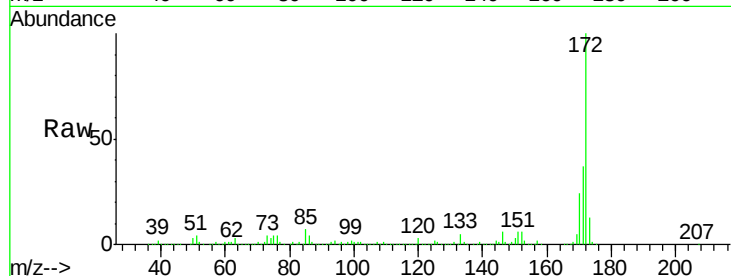
Tgt Ion:172 Resp: 1724493

Ion Ratio Lower Upper

172 100

171 36.9 29.4 44.0

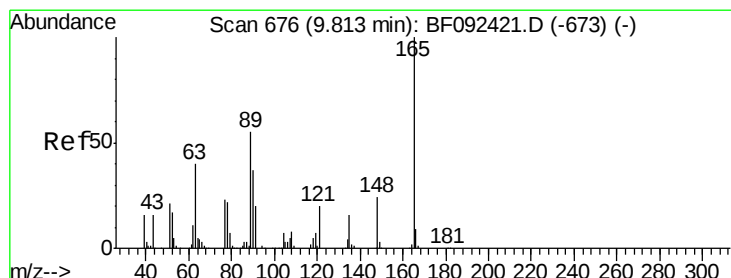
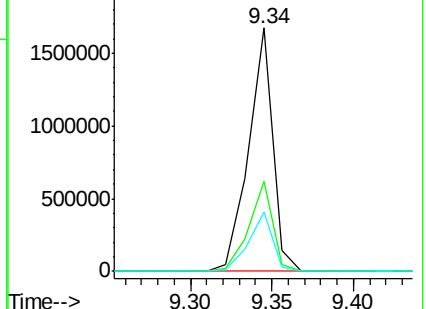
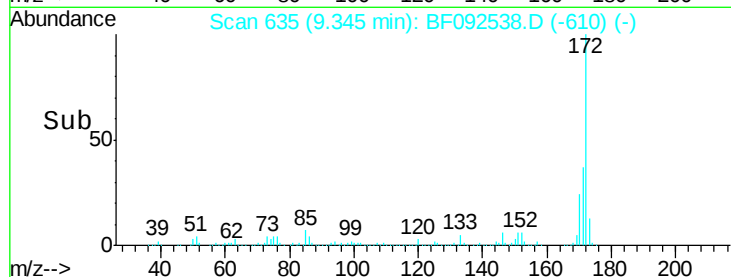
170 24.3 20.2 30.4



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: 9.75 ng

RT: 10.02 min Scan# 694

Delta R.T. 0.21 min

Lab File: BF092538.D

Acq: 26 Jan 2017 21:26

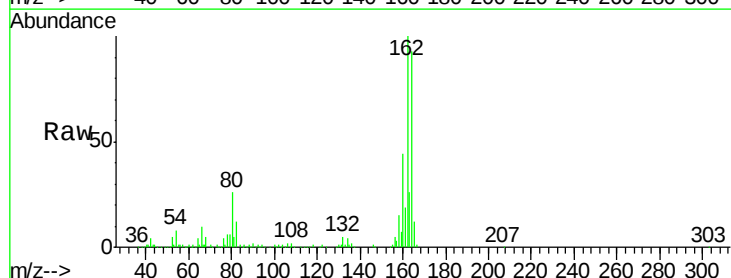
Tgt Ion:165 Resp: 25637

Ion Ratio Lower Upper

165 100

63 2.8 36.2 54.4#

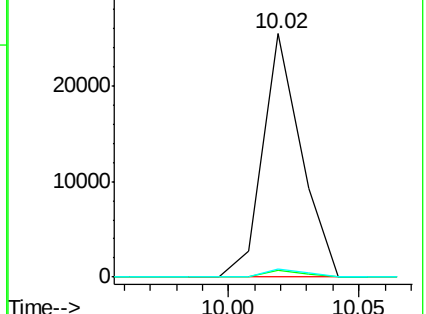
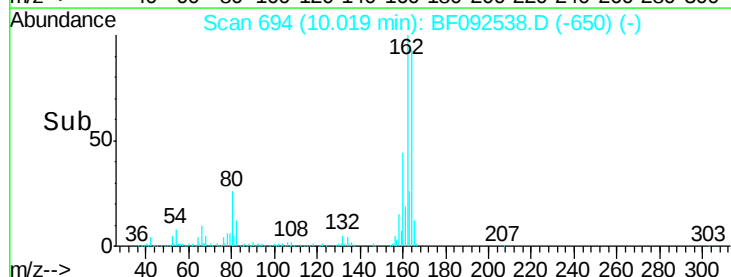
89 3.3 40.2 60.4#

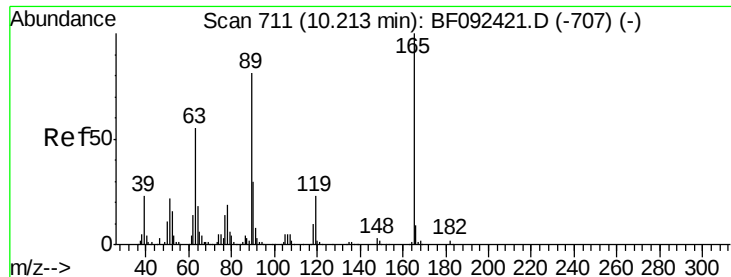


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

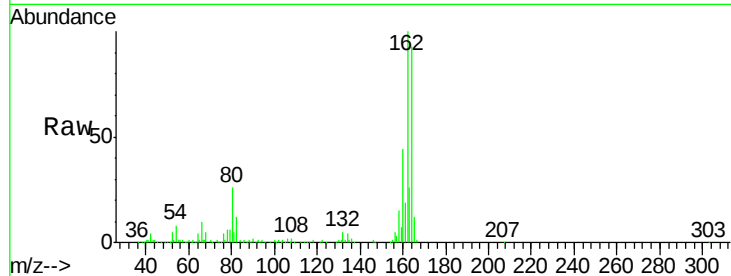




#56
2,4-Dinitrotoluene
Concen: 7.35 ng
RT: 10.02 min Scan# 694
Delta R.T. -0.19 min
Lab File: BF092538.D
Acq: 26 Jan 2017 21:26

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

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.8	40.2	60.4#
89	3.3	62.5	93.7#
182	0.0	1.8	2.8#

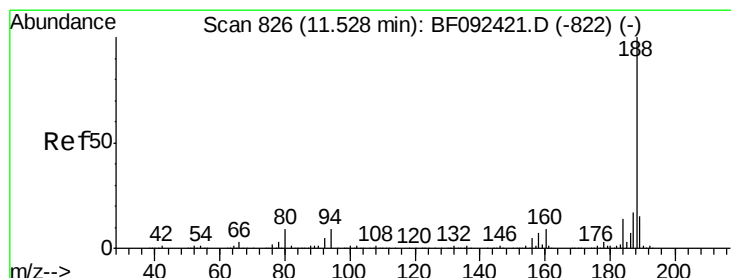
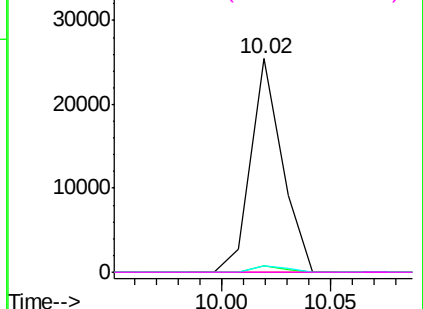
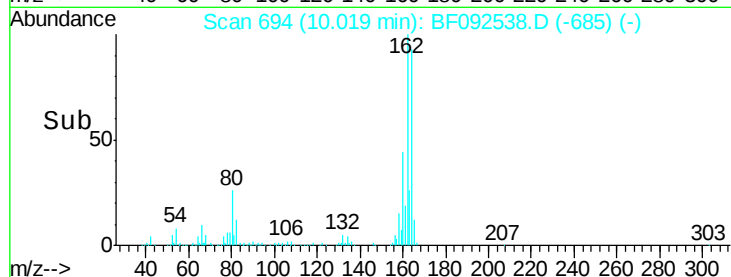


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

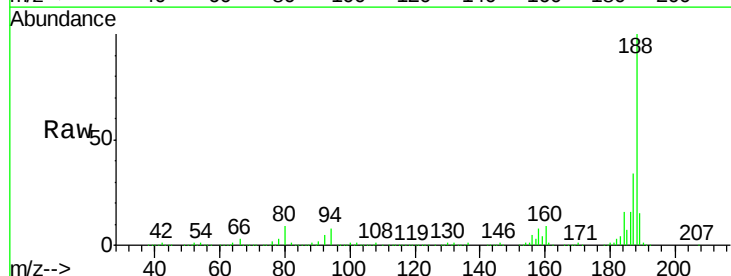
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.52 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF092538.D
Acq: 26 Jan 2017 21:26

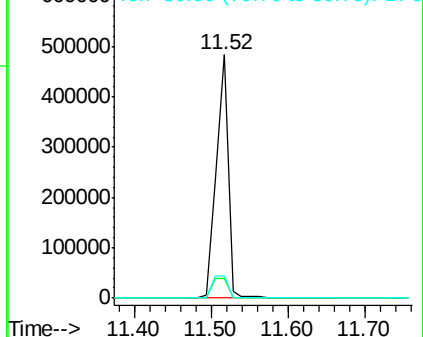
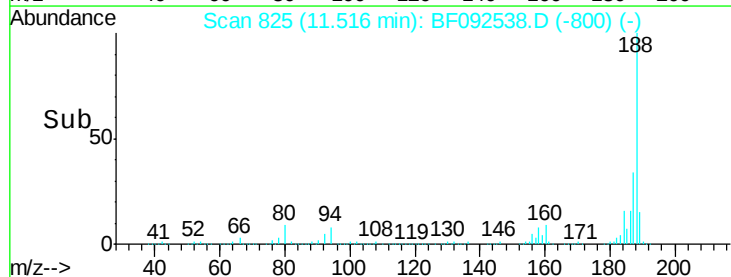
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.0	10.0	15.0#
80	8.9	11.2	16.8#

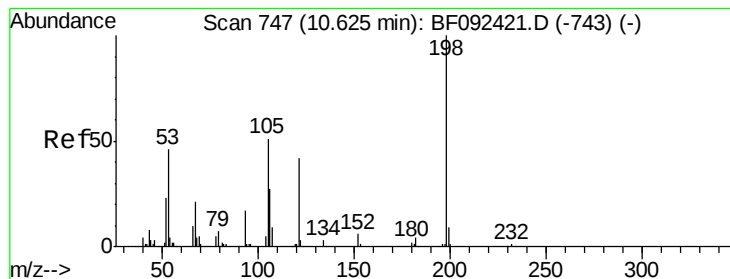


Abundance Ion 188.00 (187.70 to 188.70): E

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: 5.24 ng

RT: 10.82 min Scan# 764

Delta R.T. 0.20 min

Lab File: BF092538.D

Acq: 26 Jan 2017 21:26

Instrument :

BNA_F

ClientSampleId :

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

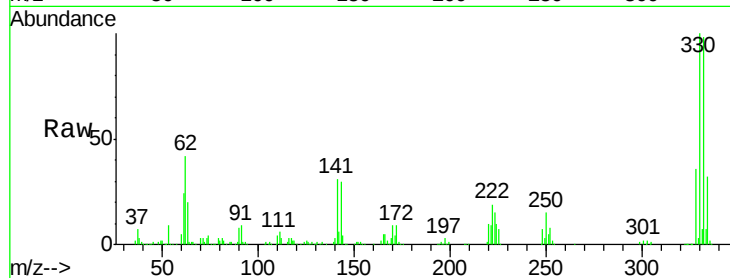
Tgt Ion:198 Resp: 887

Ion Ratio Lower Upper

198 100

51 182.6 6.7 46.7#

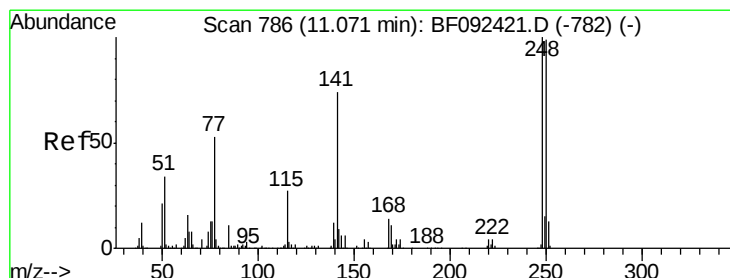
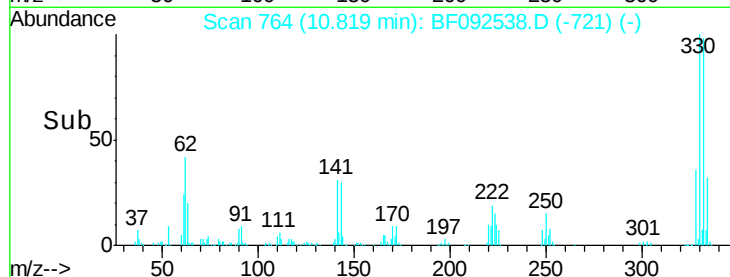
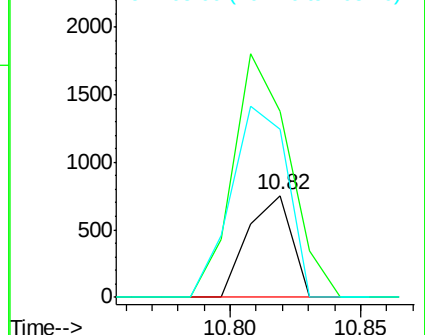
105 165.5 16.6 56.6#



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: 5.47 ng

RT: 10.82 min Scan# 764

Delta R.T. -0.25 min

Lab File: BF092538.D

Acq: 26 Jan 2017 21:26

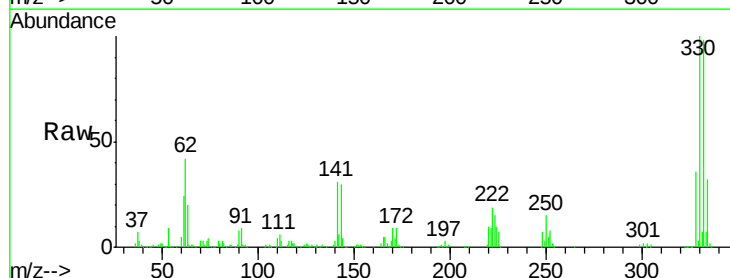
Tgt Ion:248 Resp: 28464

Ion Ratio Lower Upper

248 100

250 200.2 76.9 115.3#

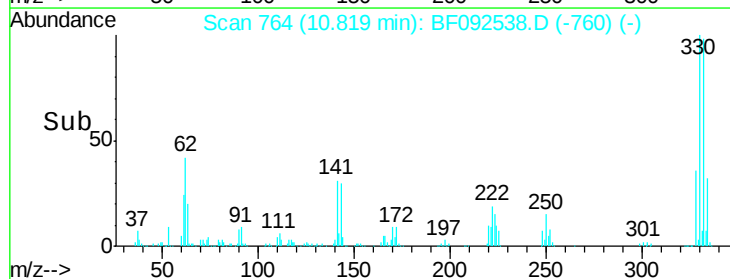
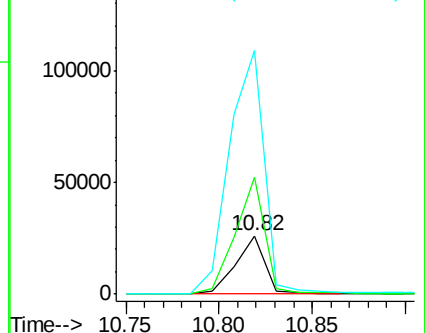
141 417.1 68.2 102.4#

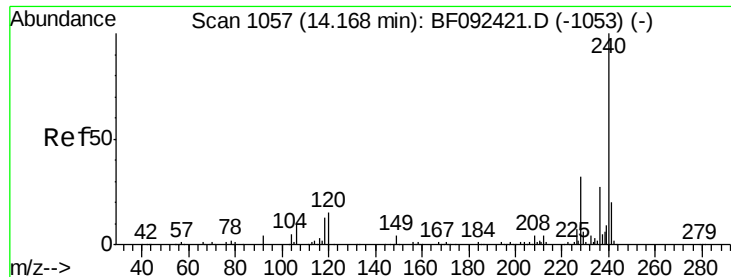


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF092538.D

Acq: 26 Jan 2017 21:26

Instrument :

BNA_F

ClientSampleId :

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

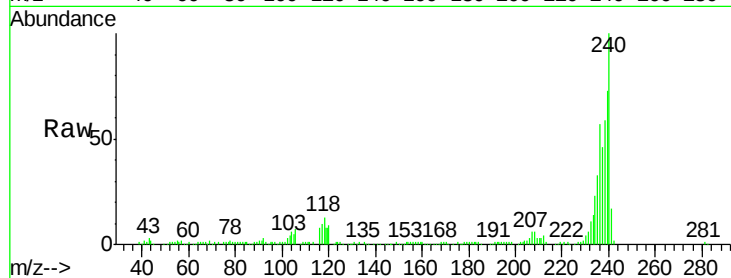
Tgt Ion:240 Resp: 161010

Ion Ratio Lower Upper

240 100

120 8.7 12.9 19.3#

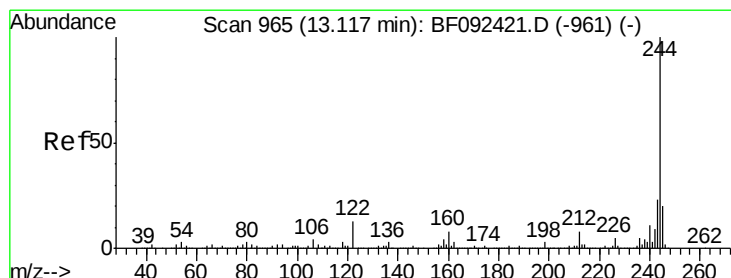
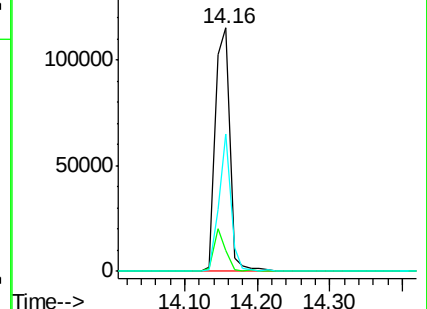
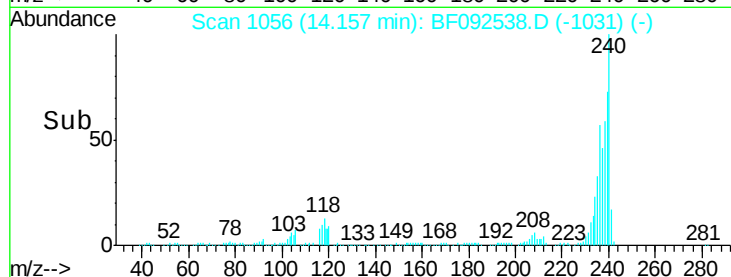
236 56.6 20.9 31.3#



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: 217.00 ng

RT: 13.11 min Scan# 964

Delta R.T. -0.01 min

Lab File: BF092538.D

Acq: 26 Jan 2017 21:26

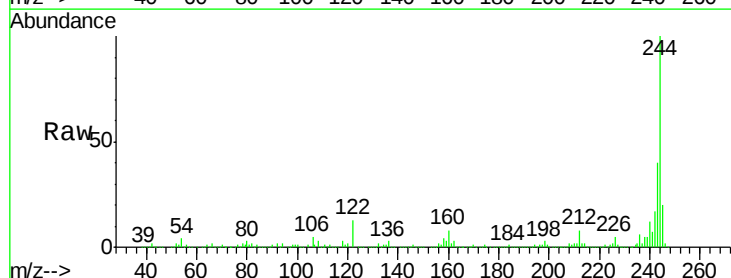
Tgt Ion:244 Resp: 1312092

Ion Ratio Lower Upper

244 100

212 8.2 6.2 9.2

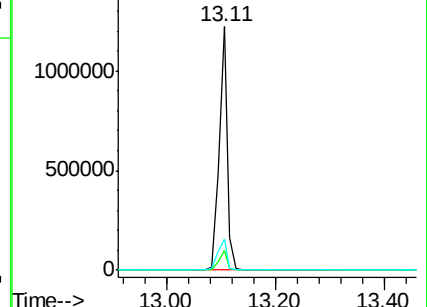
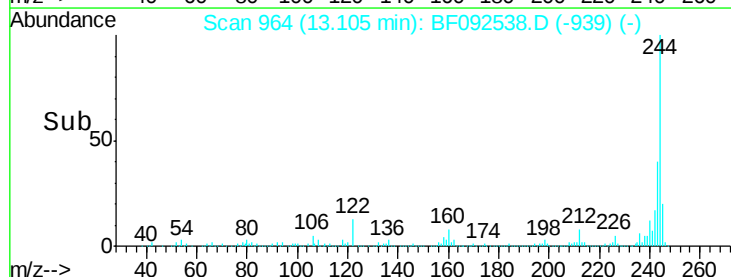
122 12.9 11.4 17.2

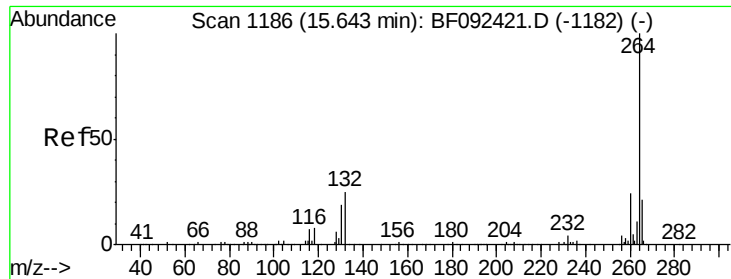


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF092538.D

Acq: 26 Jan 2017 21:26

Instrument :

BNA_F

ClientSampleId :

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

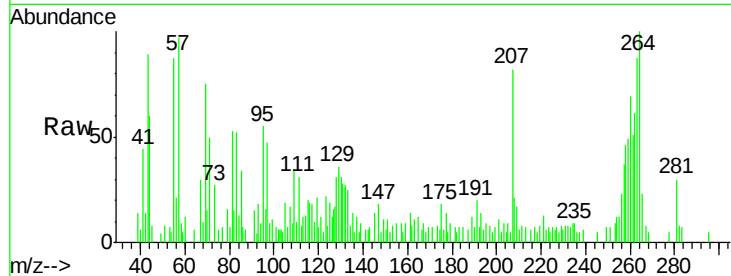
Tgt Ion:264 Resp: 10449

Ion Ratio Lower Upper

264 100

260 68.5 19.2 28.8#

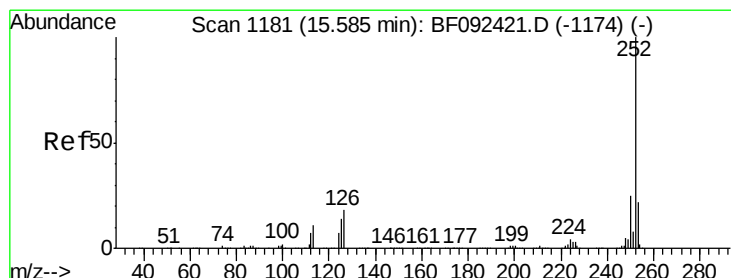
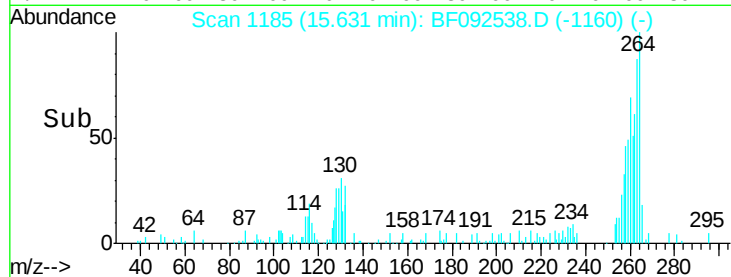
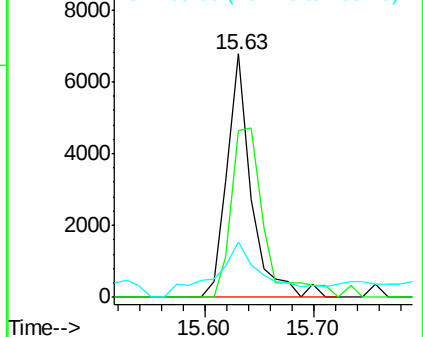
265 23.0 17.4 26.0



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



#89

Benzo(a)pyrene

Concen: 4.79 ng

RT: 15.65 min Scan# 1187

Delta R.T. 0.07 min

Lab File: BF092538.D

Acq: 26 Jan 2017 21:26

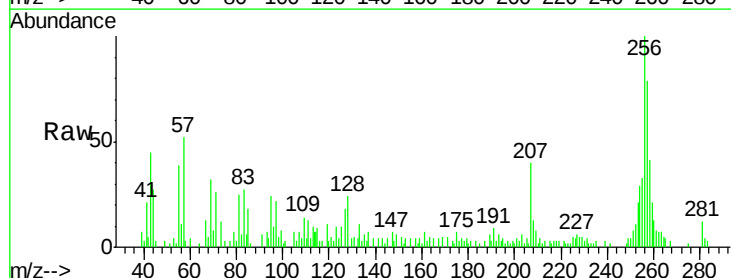
Tgt Ion:252 Resp: 2720

Ion Ratio Lower Upper

252 100

253 192.4 18.2 27.2#

125 88.3 10.0 15.0#



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

