

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012617\
 Data File : BF092528.D
 Acq On : 26 Jan 2017 16:22
 Operator : SJ/MA
 Sample : I1312-05 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CAS-SB-02-0-2

Quant Time: Jan 27 00:03:46 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	6.98	152	160974	20.00	ng	0.01
21) Naphthalene-d8	8.27	136	595744	20.00	ng	0.00
38) Acenaphthene-d10	10.03	164	284299	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	444335	20.00	ng	-0.01
75) Chrysene-d12	14.18	240	251561	20.00	ng	0.01
86) Perylene-d12	15.68	264	200569	20.00	ng	0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	378096	36.54	ng	0.01
7) Phenol-d6	6.59	99	465832	35.35	ng	0.00
23) Nitrobenzene-d5	7.54	82	235759	21.62	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	62904	32.47	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	406627	26.45	ng	-0.01
78) Terphenyl-d14	13.12	244	289389	30.63	ng	0.00

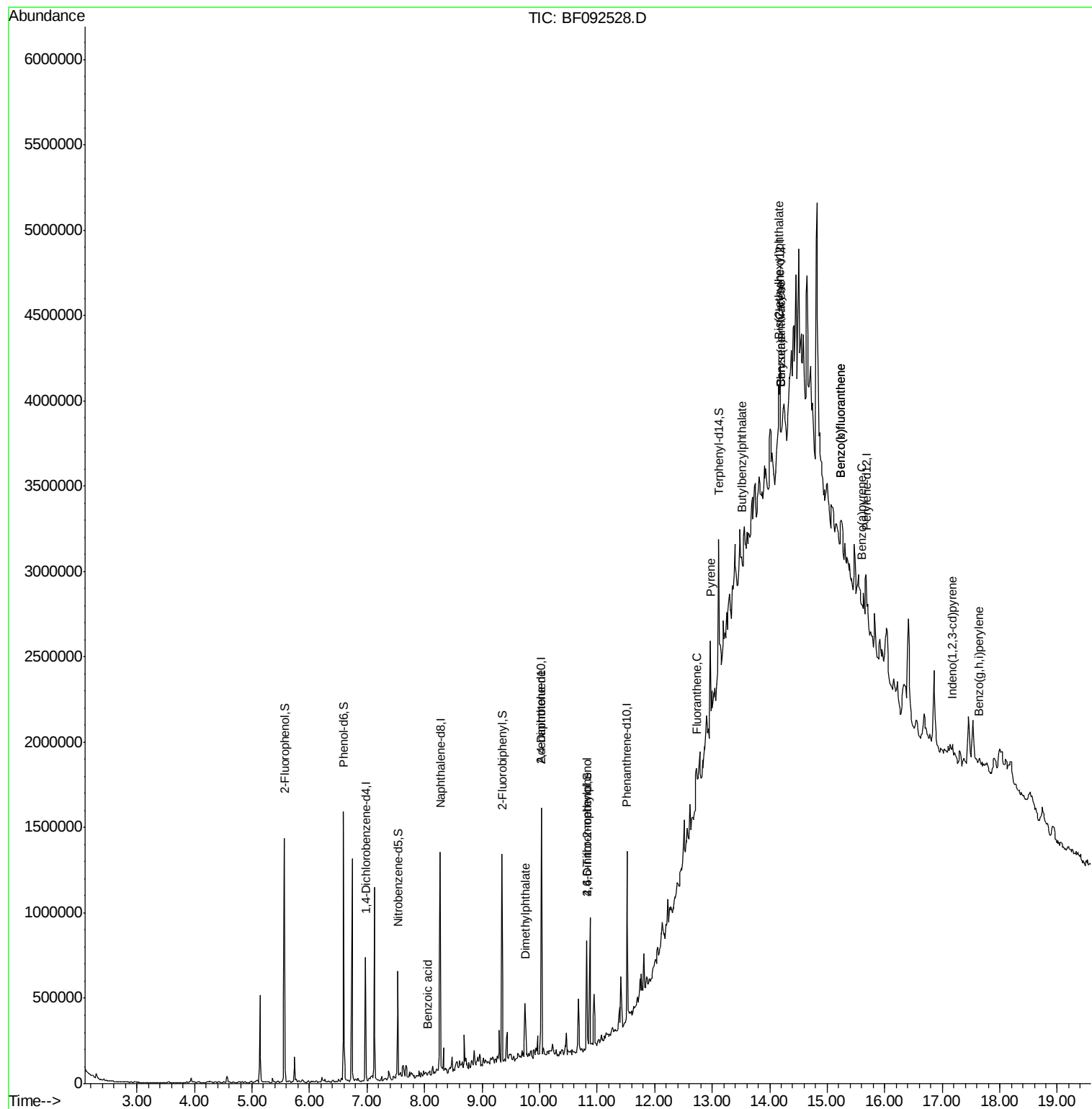
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
32) Benzoic acid	8.05	122	497	4.75	ng	# 7
49) Dimethylphthalate	9.74	163	74287	4.11	ng	# 98
56) 2,4-Dinitrotoluene	10.03	165	38245	7.80	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.82	198	243	5.04	ng	# 1
74) Fluoranthene	12.74	202	68131	2.85	ng	94
77) Pyrene	12.97	202	207898	11.41	ng	99
79) Butylbenzylphthalate	13.52	149	22273	3.02	ng	# 79
80) Benzo(a)anthracene	14.19	228	65993	4.88	ng	# 75
82) Chrysene	14.19	228	65993	4.57	ng	# 80
83) Bis(2-ethylhexyl)phthalate	14.16	149	179970	19.35	ng	# 93
85) Indeno(1,2,3-cd)pyrene	17.17	276	35235	3.30	ng	# 86
87) Benzo(b)fluoranthene	15.23	252	115857	9.00	ng	# 39
88) Benzo(k)fluoranthene	15.23	252	115857	10.82	ng	# 40
89) Benzo(a)pyrene	15.61	252	25783	2.37	ng	# 1
91) Benzo(g,h,i)perylene	17.63	276	32770	3.68	ng	# 56

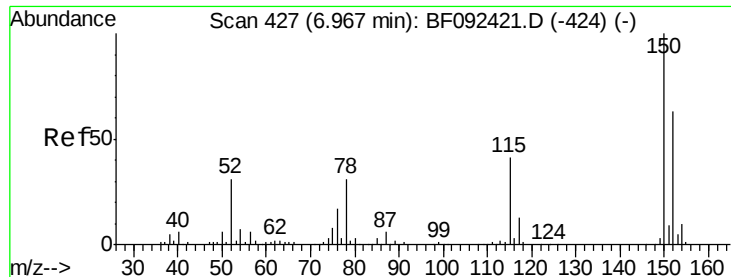
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012617\
Data File : BF092528.D
Acq On : 26 Jan 2017 16:22
Operator : SJ/MA
Sample : I1312-05 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CAS-SB-02-0-2

Quant Time: Jan 27 00:03:46 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.98 min Scan# 428

Delta R.T. 0.01 min

Lab File: BF092528.D

Acq: 26 Jan 2017 16:22

Instrument :

BNA_F

ClientSampleId :

CAS-SB-02-0-2

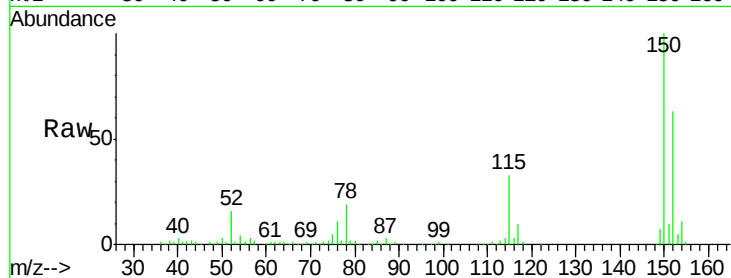
Tgt Ion:152 Resp: 160974

Ion Ratio Lower Upper

152 100

150 157.8 124.9 187.3

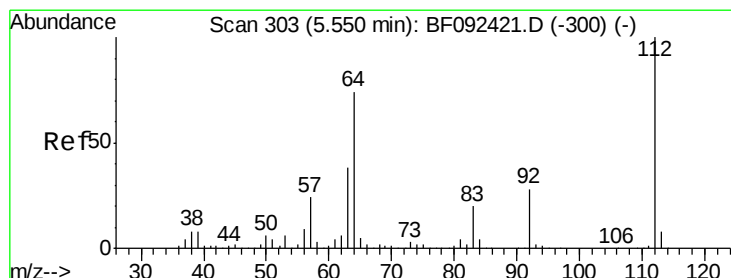
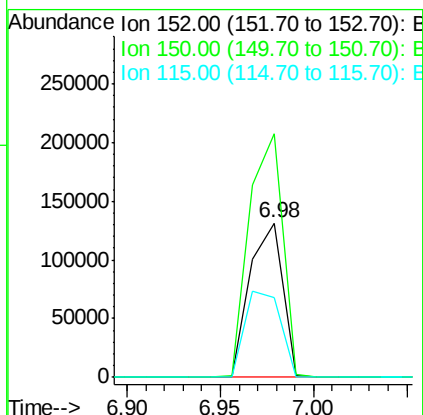
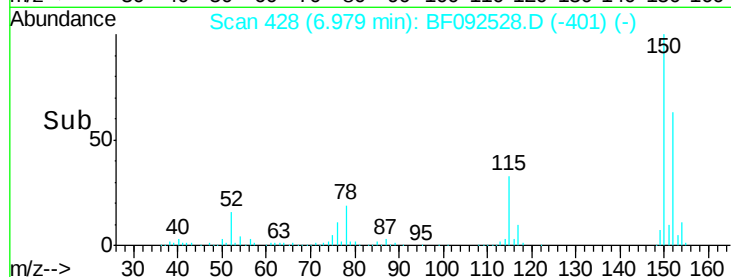
115 51.4 46.0 69.0



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: 36.54 ng

RT: 5.56 min Scan# 304

Delta R.T. 0.01 min

Lab File: BF092528.D

Acq: 26 Jan 2017 16:22

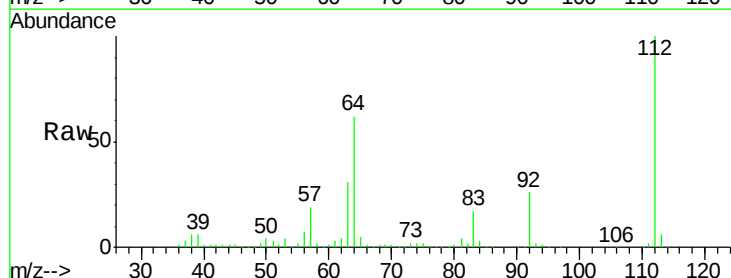
Tgt Ion:112 Resp: 378096

Ion Ratio Lower Upper

112 100

64 62.0 46.1 69.1

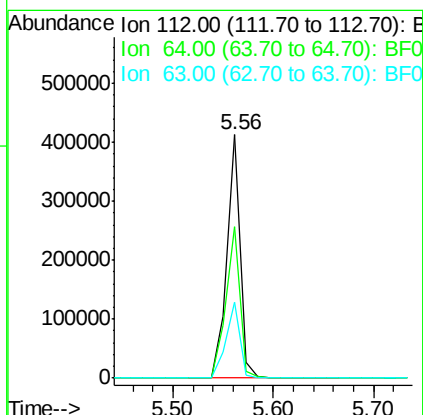
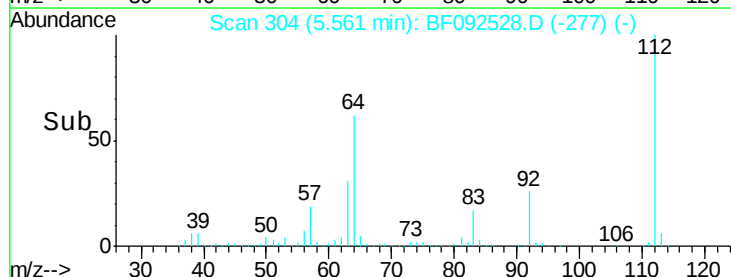
63 31.0 23.8 35.6

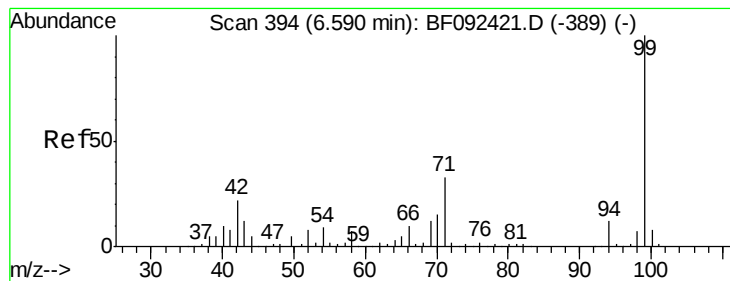


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 35.35 ng

RT: 6.59 min Scan# 394

Delta R.T. -0.00 min

Lab File: BF092528.D

Acq: 26 Jan 2017 16:22

Instrument :

BNA_F

ClientSampleId :

CAS-SB-02-0-2

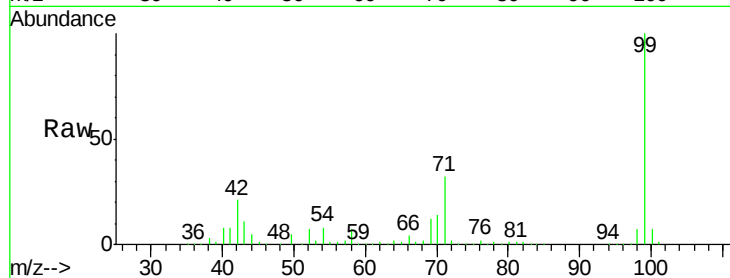
Tgt Ion: 99 Resp: 465832

Ion Ratio Lower Upper

99 100

42 20.5 15.6 23.4

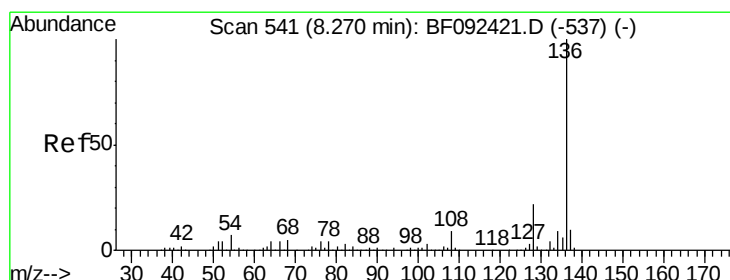
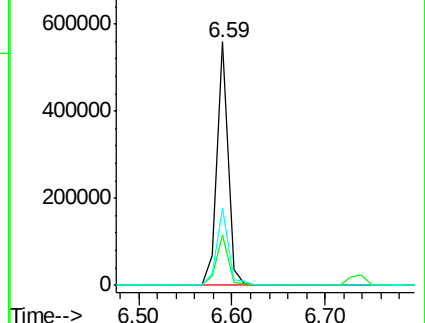
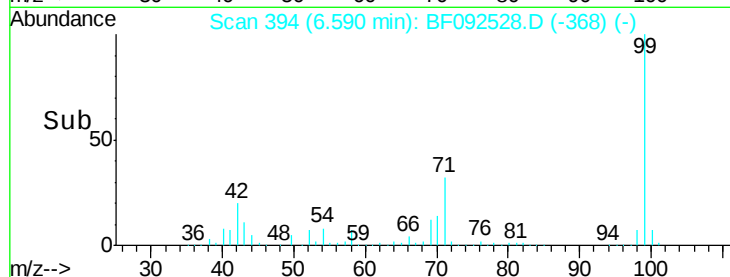
71 31.7 27.5 41.3



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.27 min Scan# 541

Delta R.T. -0.00 min

Lab File: BF092528.D

Acq: 26 Jan 2017 16:22

Tgt Ion: 136 Resp: 595744

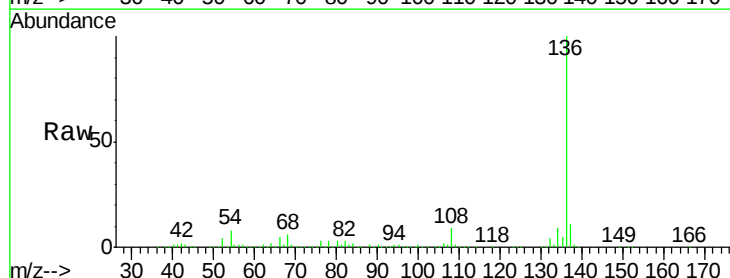
Ion Ratio Lower Upper

136 100

137 10.8 8.4 12.6

54 8.2 4.5 6.7#

68 6.1 3.6 5.4#

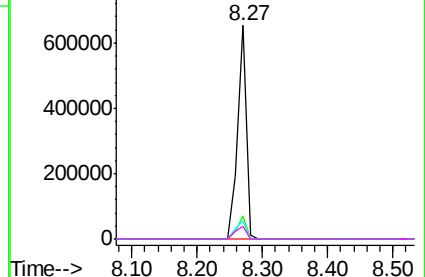
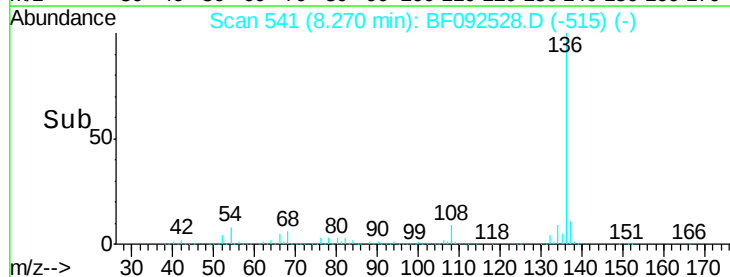


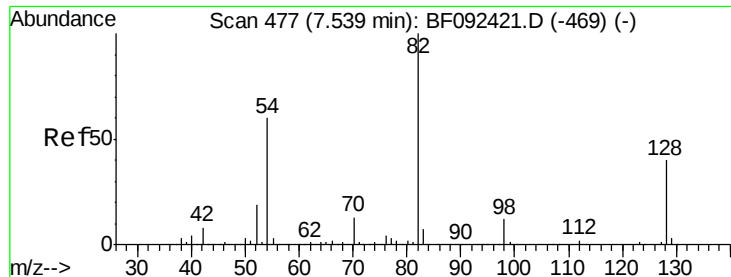
Abundance Ion 136.00 (135.70 to 136.70): E

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

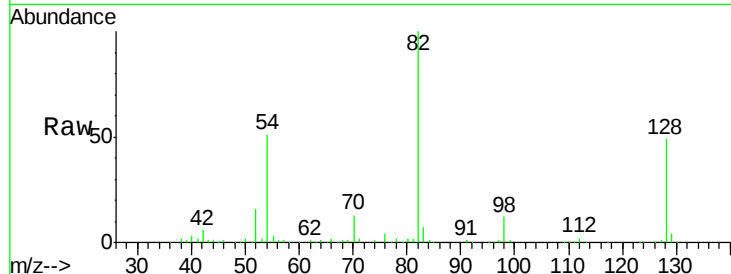




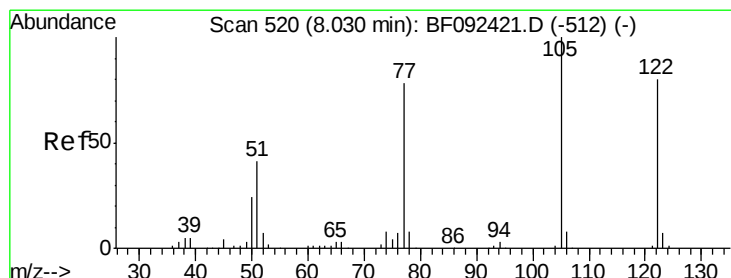
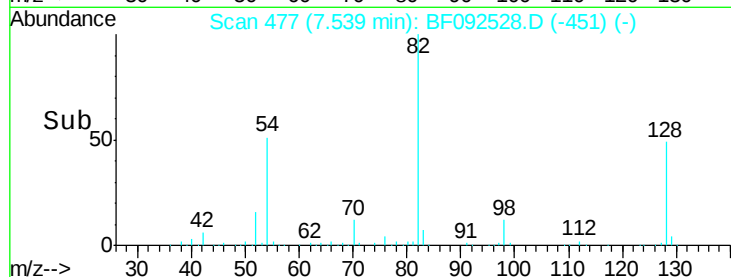
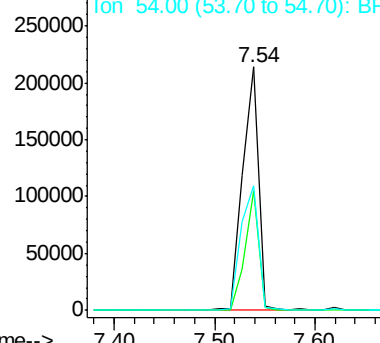
#23
 Nitrobenzene-d5
 Concen: 21.62 ng
 RT: 7.54 min Scan# 477
 Delta R.T. -0.00 min
 Lab File: BF092528.D
 Acq: 26 Jan 2017 16:22

Instrument :
 BNA_F
 ClientSampleId :
 CAS-SB-02-0-2

Tgt Ion: 82 Resp: 235759
 Ion Ratio Lower Upper
 82 100
 128 49.0 34.6 52.0
 54 51.2 39.5 59.3

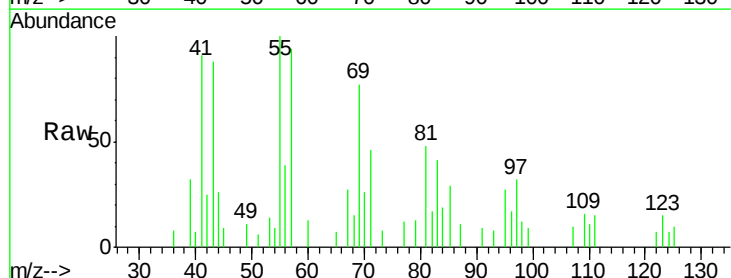


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

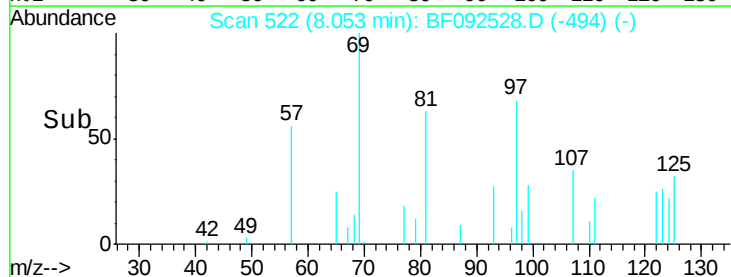
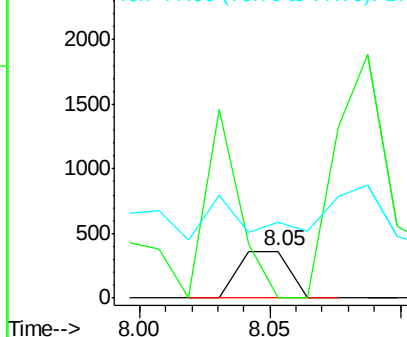


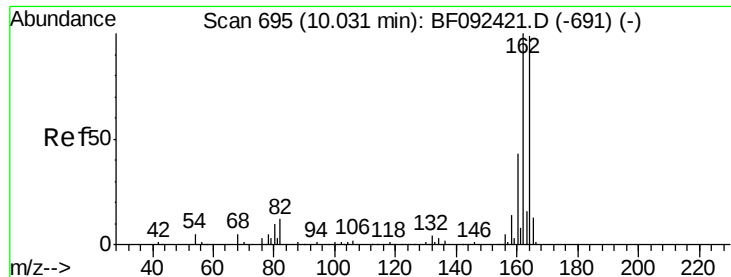
#32
 Benzoic acid
 Concen: 4.75 ng
 RT: 8.05 min Scan# 522
 Delta R.T. 0.02 min
 Lab File: BF092528.D
 Acq: 26 Jan 2017 16:22

Tgt Ion: 122 Resp: 497
 Ion Ratio Lower Upper
 122 100
 105 0.0 107.2 147.2#
 77 162.1 74.5 114.5#



Abundance Ion 122.00 (121.70 to 122.70): BF0
 Ion 105.00 (104.70 to 105.70): BF0
 Ion 77.00 (76.70 to 77.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.03 min Scan# 695

Delta R.T. -0.00 min

Lab File: BF092528.D

Acq: 26 Jan 2017 16:22

Instrument :

BNA_F

ClientSampleId :

CAS-SB-02-0-2

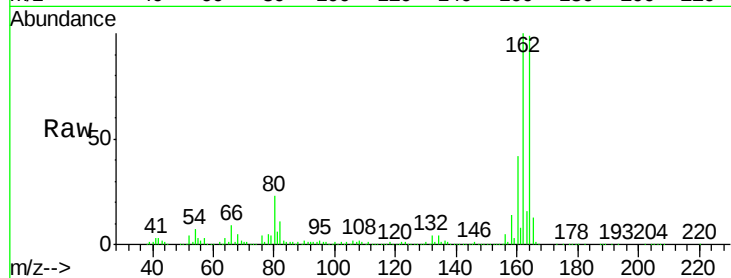
Tgt Ion:164 Resp: 284299

Ion Ratio Lower Upper

164 100

162 101.4 80.2 120.2

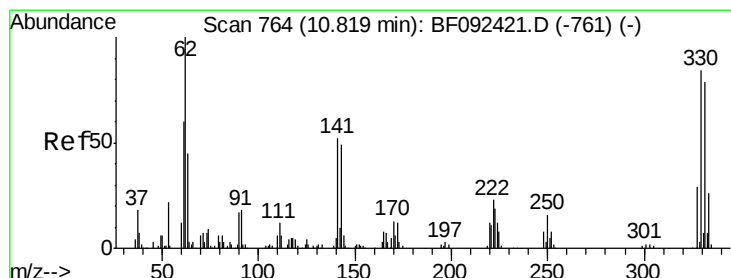
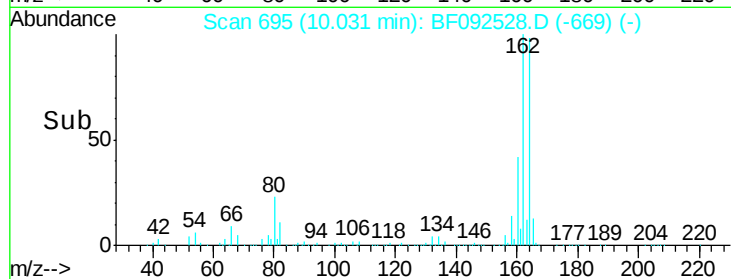
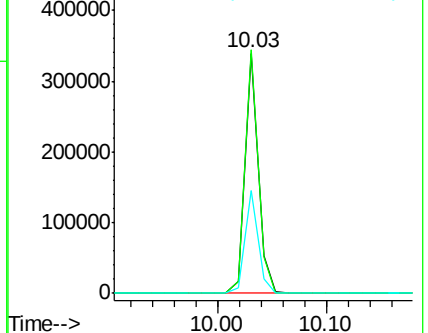
160 42.8 36.9 55.3



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: 32.47 ng

RT: 10.82 min Scan# 764

Delta R.T. -0.00 min

Lab File: BF092528.D

Acq: 26 Jan 2017 16:22

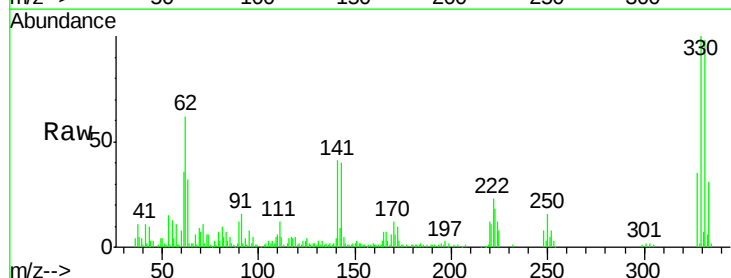
Tgt Ion:330 Resp: 62904

Ion Ratio Lower Upper

330 100

332 98.3 77.4 116.2

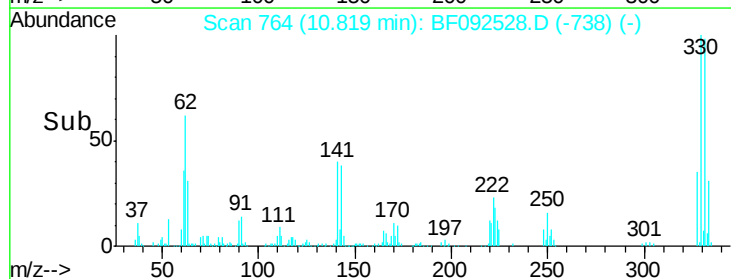
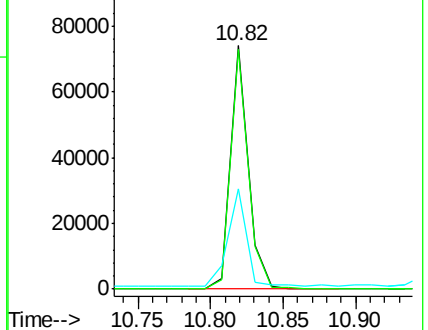
141 42.2 34.1 51.1

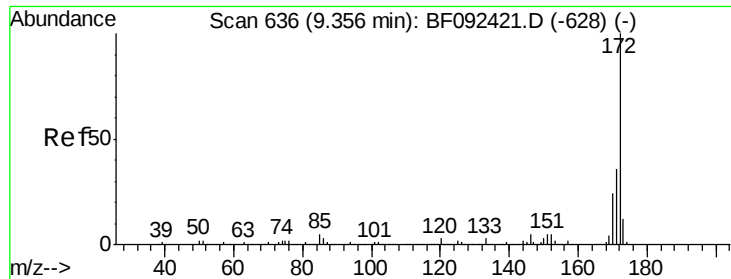


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 26.45 ng

RT: 9.34 min Scan# 635

Delta R.T. -0.01 min

Lab File: BF092528.D

Acq: 26 Jan 2017 16:22

Instrument :

BNA_F

ClientSampleId :

CAS-SB-02-0-2

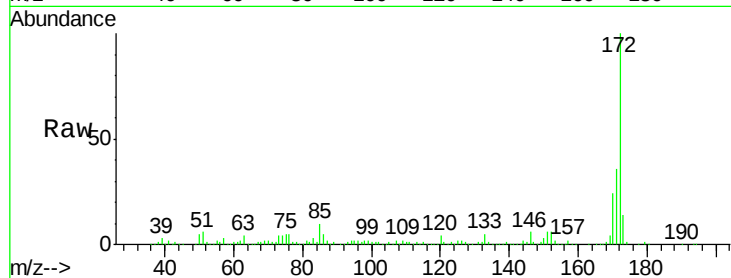
Tgt Ion:172 Resp: 406627

Ion Ratio Lower Upper

172 100

171 36.1 29.4 44.0

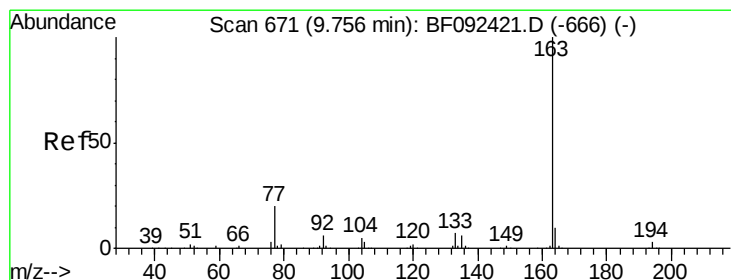
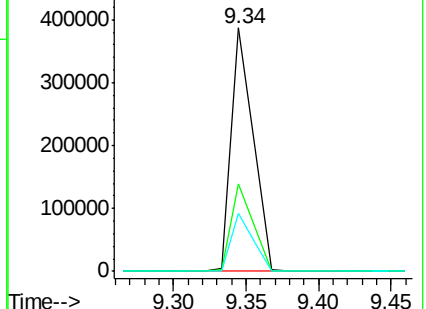
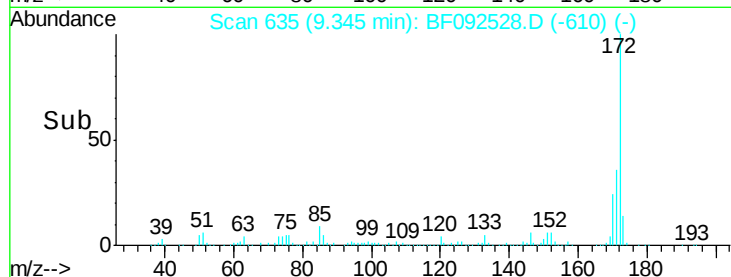
170 23.8 20.2 30.4



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



#49

Dimethylphthalate

Concen: 4.11 ng

RT: 9.74 min Scan# 670

Delta R.T. -0.01 min

Lab File: BF092528.D

Acq: 26 Jan 2017 16:22

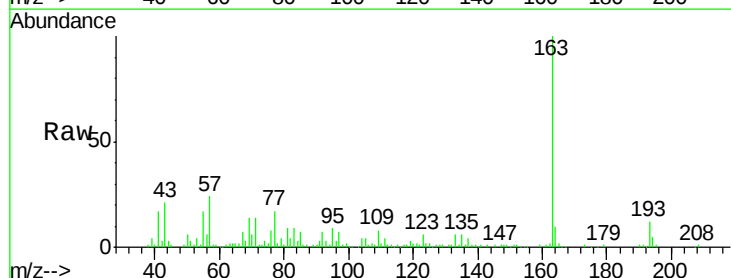
Tgt Ion:163 Resp: 74287

Ion Ratio Lower Upper

163 100

194 5.2 3.0 4.4#

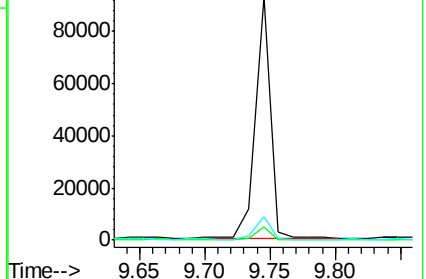
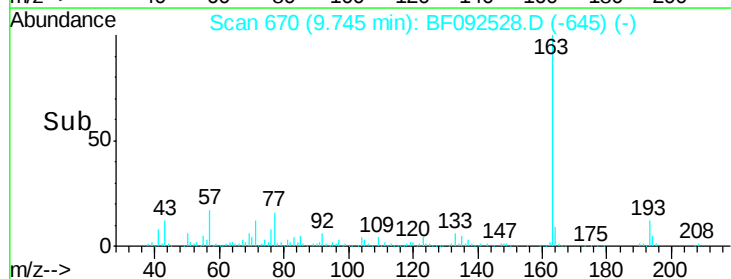
164 9.8 8.0 12.0

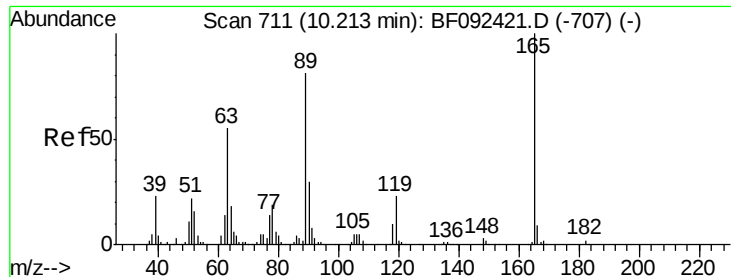


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

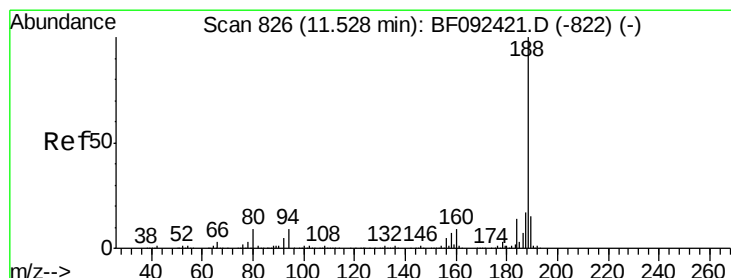
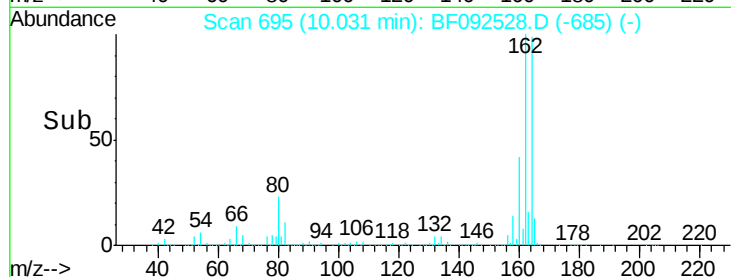
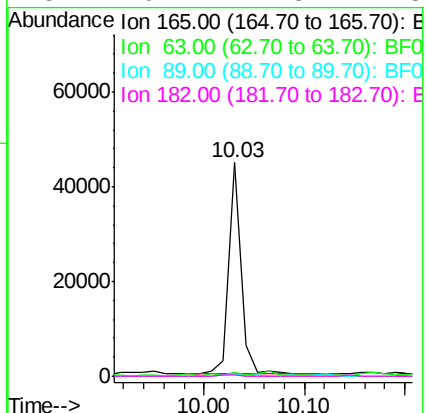
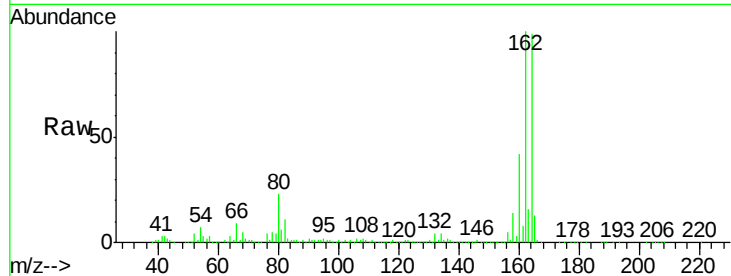




#56
 2,4-Dinitrotoluene
 Concen: 7.80 ng
 RT: 10.03 min Scan# 695
 Delta R.T. -0.18 min
 Lab File: BF092528.D
 Acq: 26 Jan 2017 16:22

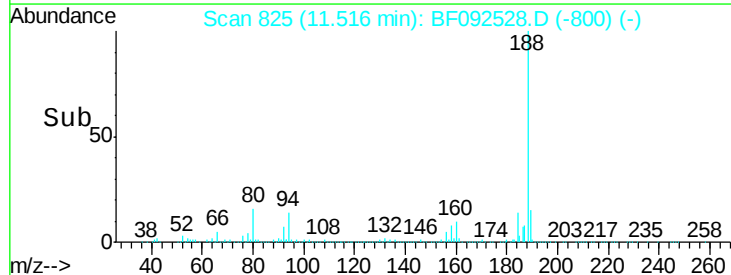
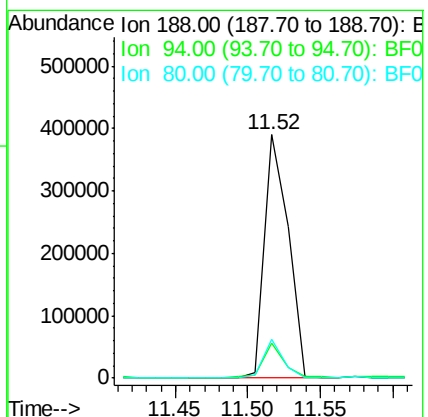
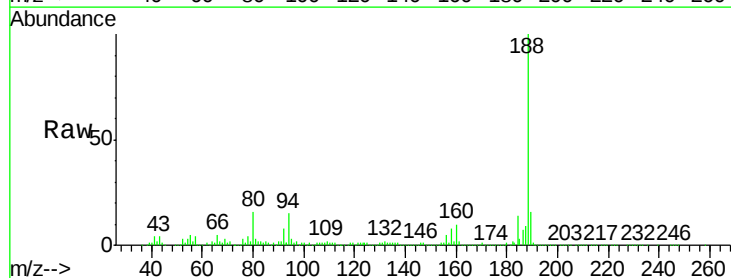
Instrument :
 BNA_F
 ClientSampleId :
 CAS-SB-02-0-2

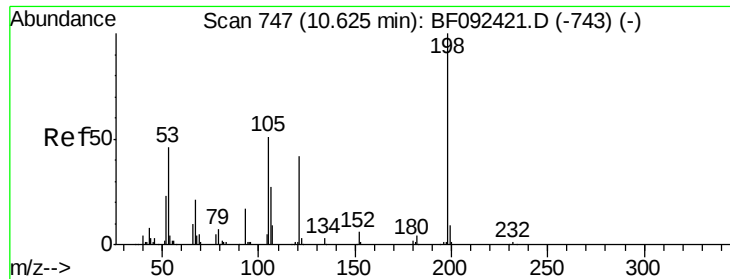
Tgt Ion:165 Resp: 38245
 Ion Ratio Lower Upper
 165 100
 63 1.8 40.2 60.4#
 89 1.4 62.5 93.7#
 182 0.7 1.8 2.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.52 min Scan# 825
 Delta R.T. -0.01 min
 Lab File: BF092528.D
 Acq: 26 Jan 2017 16:22

Tgt Ion:188 Resp: 444335
 Ion Ratio Lower Upper
 188 100
 94 14.6 10.0 15.0
 80 16.1 11.2 16.8

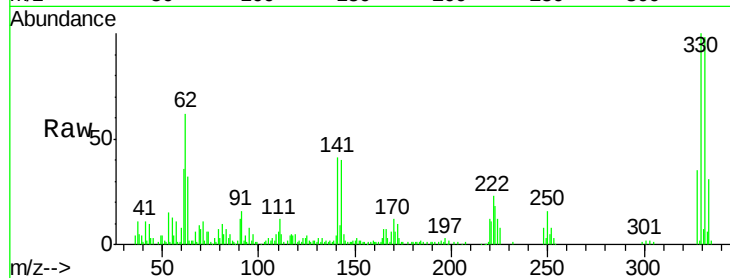




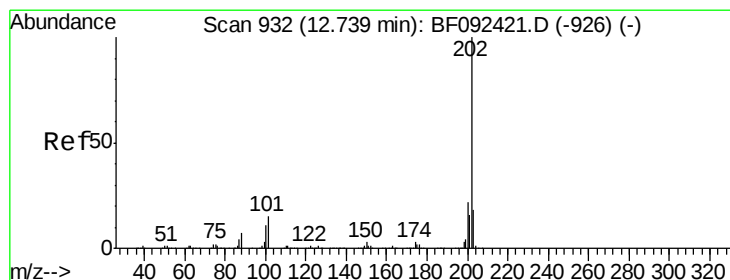
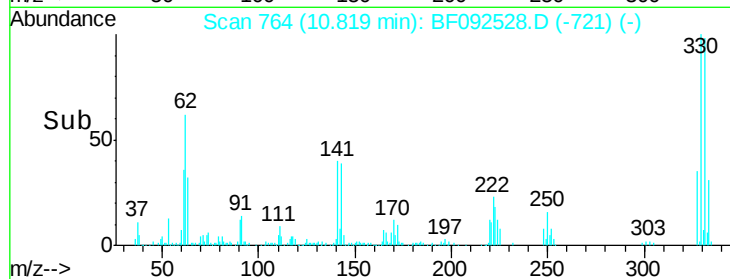
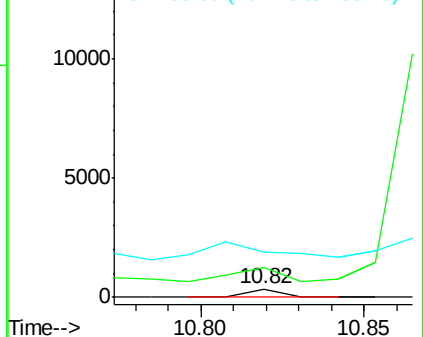
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.04 ng
 RT: 10.82 min Scan# 764
 Delta R.T. 0.20 min
 Lab File: BF092528.D
 Acq: 26 Jan 2017 16:22

Instrument :
 BNA_F
 ClientSampleId :
 CAS-SB-02-0-2

Tgt Ion:198 Resp: 243
 Ion Ratio Lower Upper
 198 100
 51 359.4 6.7 46.7#
 105 532.4 16.6 56.6#

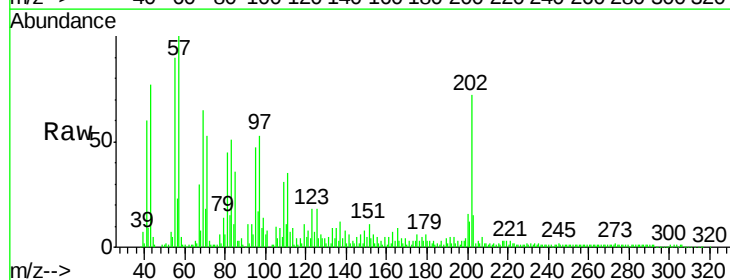


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

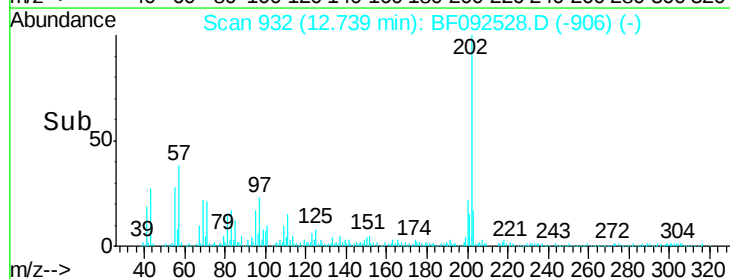
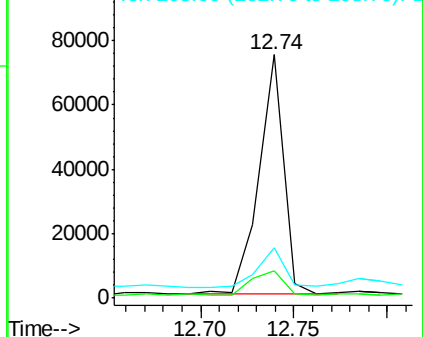


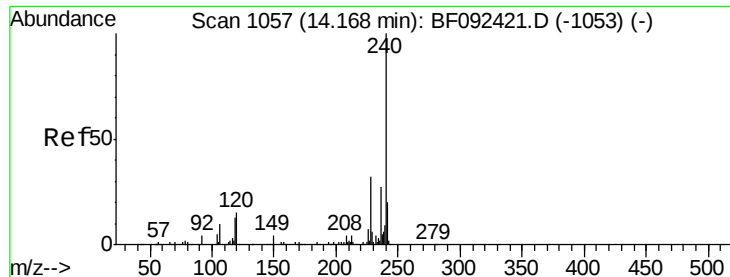
#74
 Fluoranthene
 Concen: 2.85 ng
 RT: 12.74 min Scan# 932
 Delta R.T. 0.00 min
 Lab File: BF092528.D
 Acq: 26 Jan 2017 16:22

Tgt Ion:202 Resp: 68131
 Ion Ratio Lower Upper
 202 100
 101 11.2 0.0 34.6
 203 20.6 0.0 38.7



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.18 min Scan# 1058

Delta R.T. 0.01 min

Lab File: BF092528.D

Acq: 26 Jan 2017 16:22

Instrument :

BNA_F

ClientSampleId :

CAS-SB-02-0-2

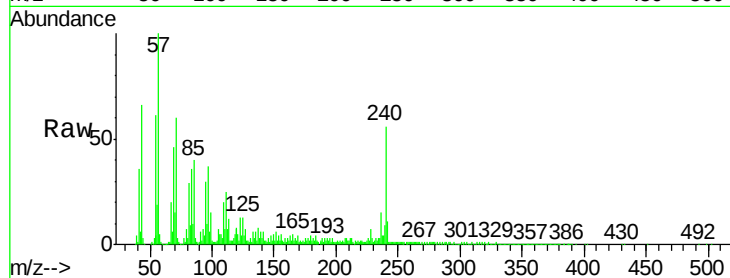
Tgt Ion:240 Resp: 251561

Ion Ratio Lower Upper

240 100

120 12.3 12.9 19.3#

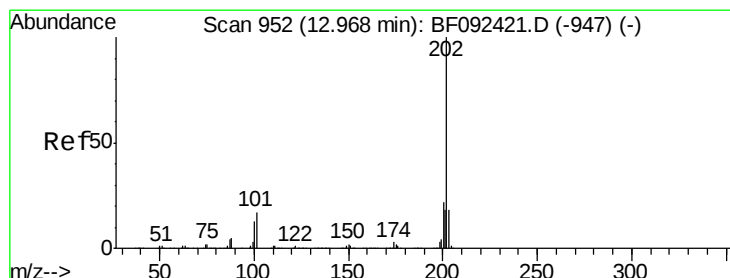
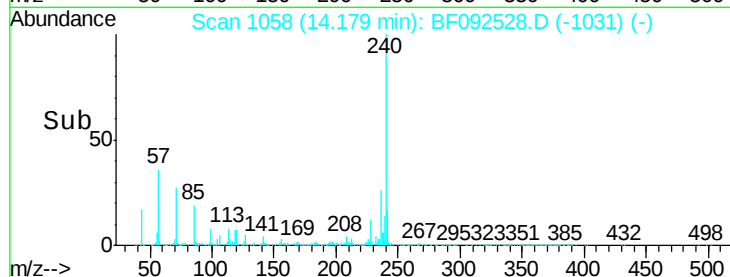
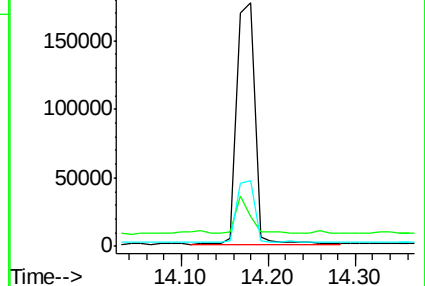
236 27.0 20.9 31.3



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



#77

Pyrene

Concen: 11.41 ng

RT: 12.97 min Scan# 952

Delta R.T. -0.00 min

Lab File: BF092528.D

Acq: 26 Jan 2017 16:22

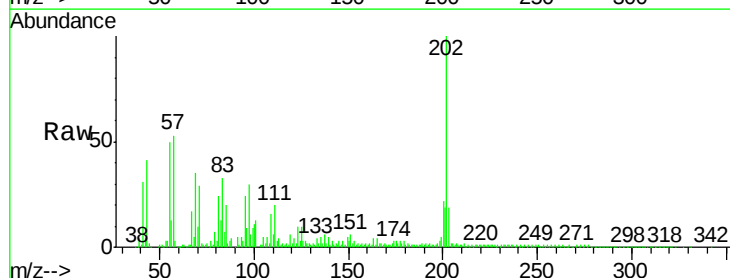
Tgt Ion:202 Resp: 207898

Ion Ratio Lower Upper

202 100

200 21.5 17.7 26.5

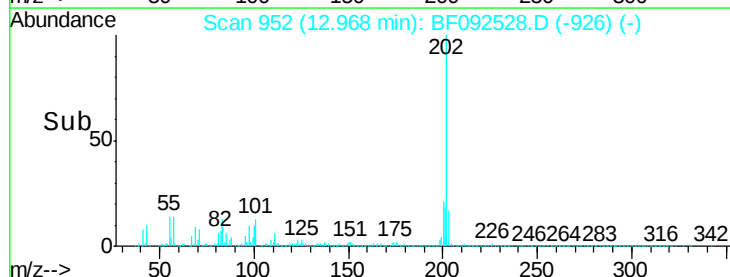
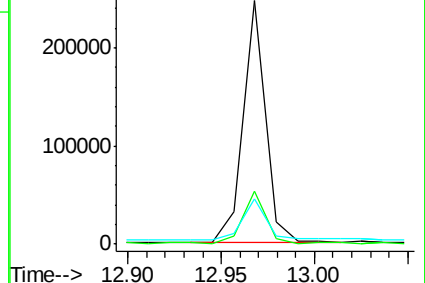
203 18.6 14.7 22.1

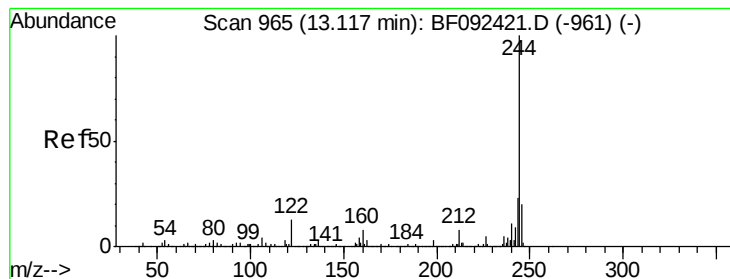


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 30.63 ng

RT: 13.12 min Scan# 965

Delta R.T. 0.00 min

Lab File: BF092528.D

Acq: 26 Jan 2017 16:22

Instrument :

BNA_F

ClientSampleId :

CAS-SB-02-0-2

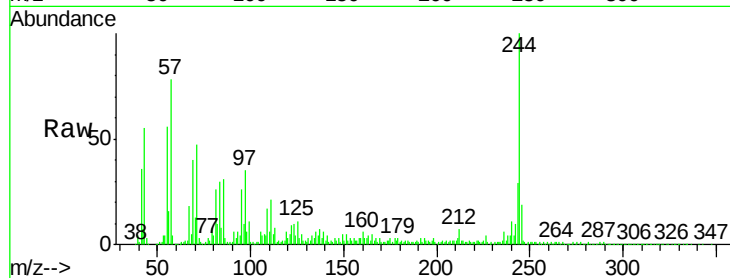
Tgt Ion:244 Resp: 289389

Ion Ratio Lower Upper

244 100

212 7.0 6.2 9.2

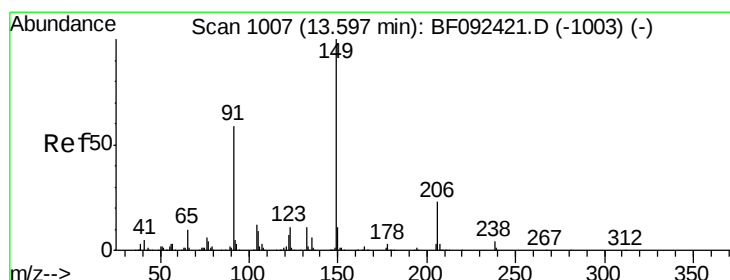
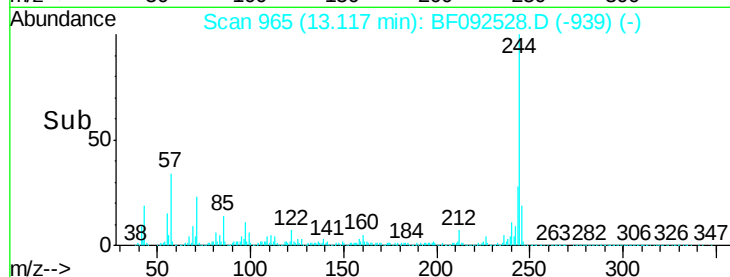
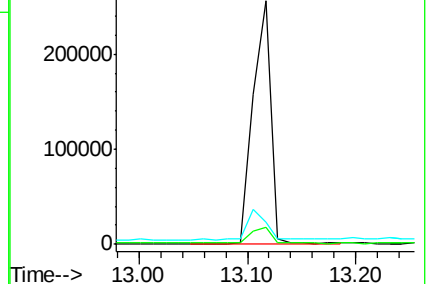
122 9.2 11.4 17.2#



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



#79

Butylbenzylphthalate

Concen: 3.02 ng

RT: 13.52 min Scan# 1000

Delta R.T. -0.08 min

Lab File: BF092528.D

Acq: 26 Jan 2017 16:22

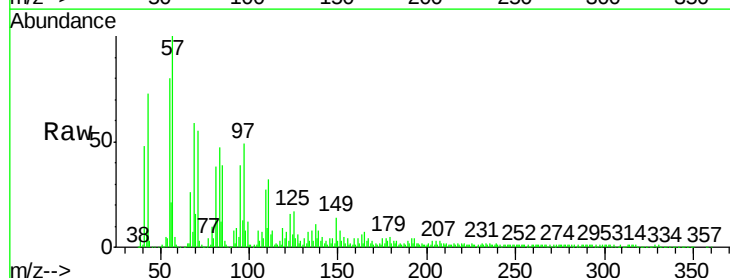
Tgt Ion:149 Resp: 22273

Ion Ratio Lower Upper

149 100

91 60.8 63.9 95.9#

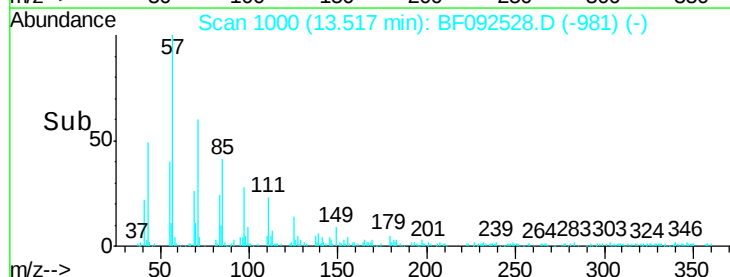
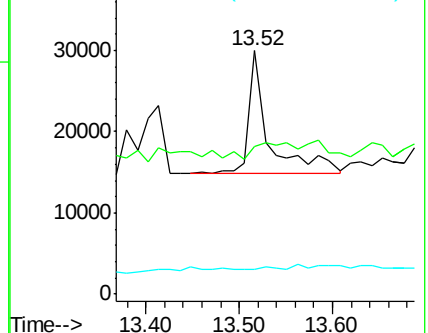
206 10.0 14.6 21.8#

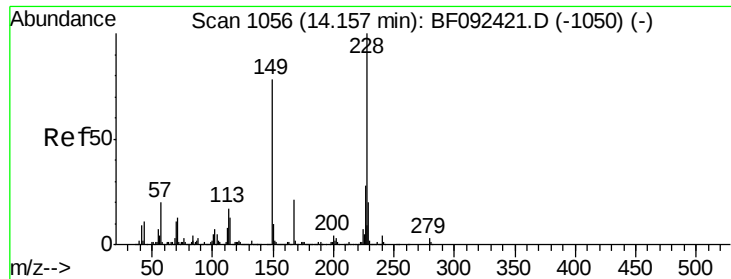


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 4.88 ng

RT: 14.19 min Scan# 1059

Delta R.T. 0.03 min

Lab File: BF092528.D

Acq: 26 Jan 2017 16:22

Instrument :

BNA_F

ClientSampleId :

CAS-SB-02-0-2

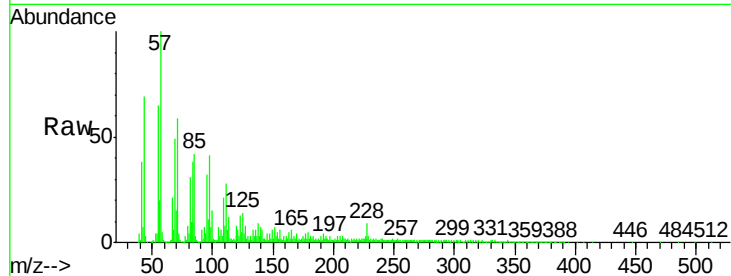
Tgt Ion:228 Resp: 65993

Ion Ratio Lower Upper

228 100

226 38.2 22.4 33.6#

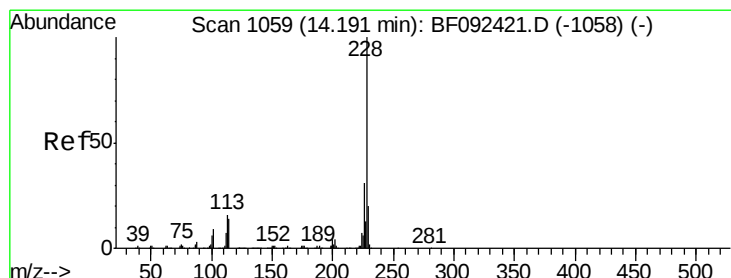
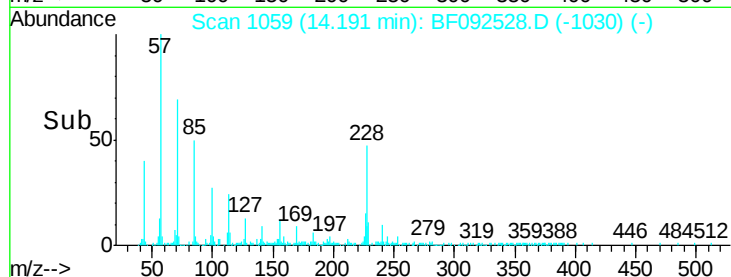
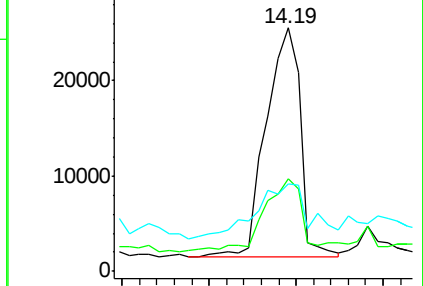
229 35.9 16.2 24.4#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 4.57 ng

RT: 14.19 min Scan# 1059

Delta R.T. -0.00 min

Lab File: BF092528.D

Acq: 26 Jan 2017 16:22

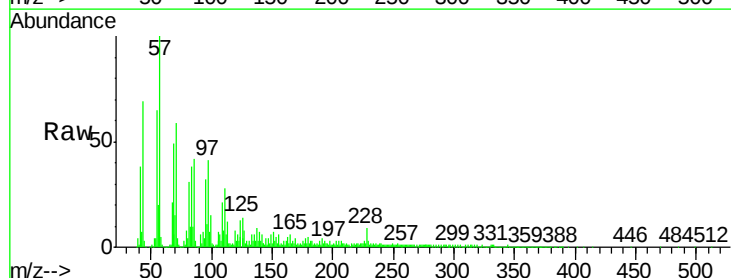
Tgt Ion:228 Resp: 65993

Ion Ratio Lower Upper

228 100

226 38.2 25.4 38.0#

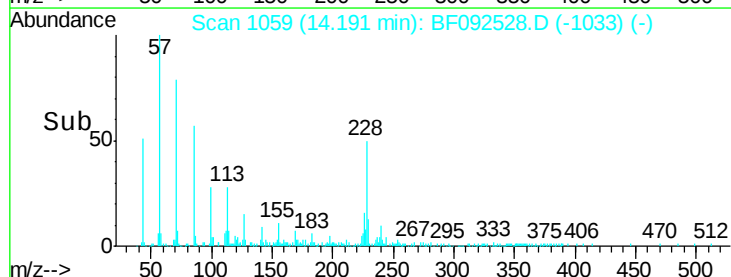
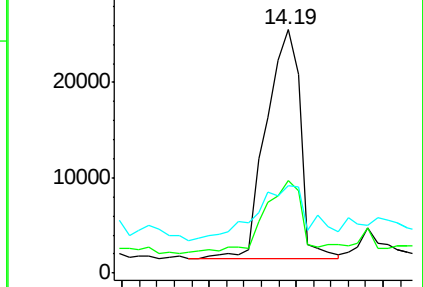
229 35.9 16.2 24.2#

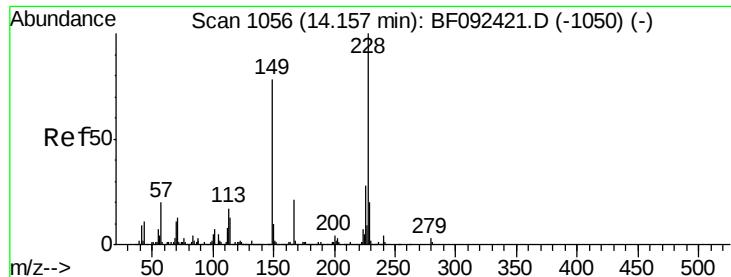


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

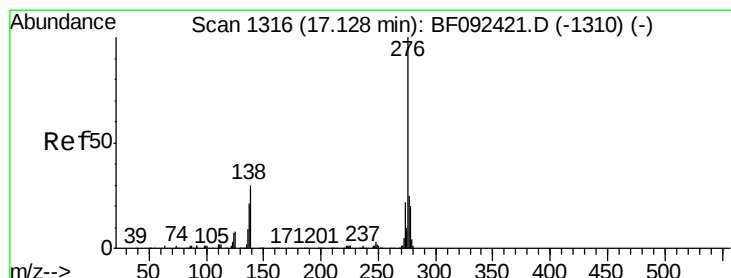
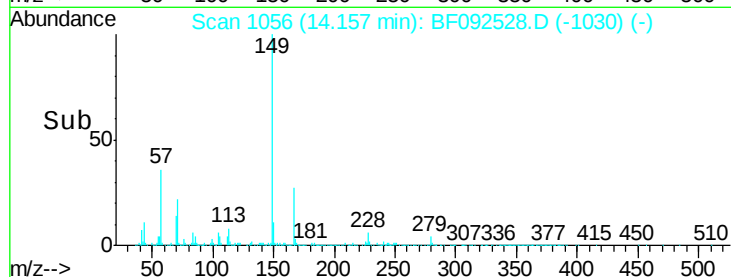
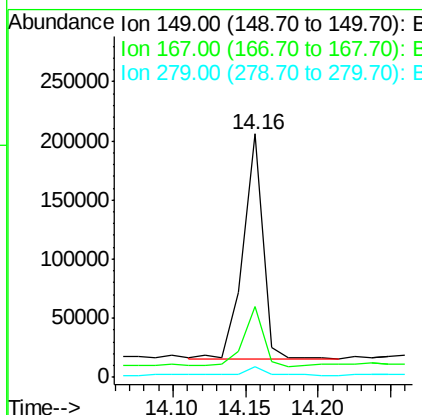
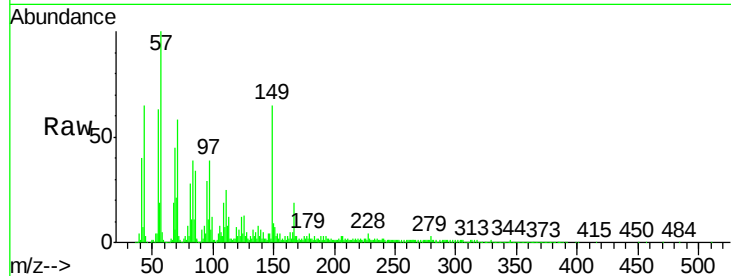




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 19.35 ng
 RT: 14.16 min Scan# 1056
 Delta R.T. 0.00 min
 Lab File: BF092528.D
 Acq: 26 Jan 2017 16:22

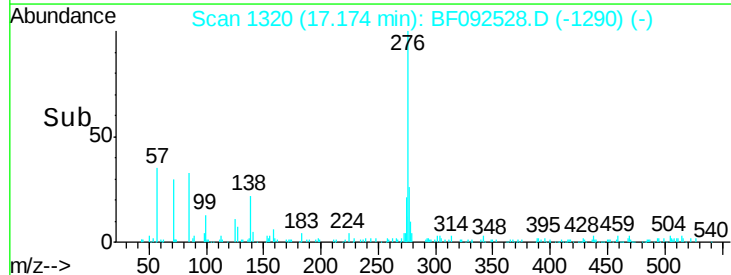
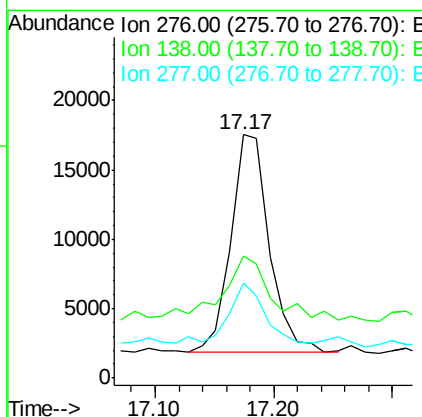
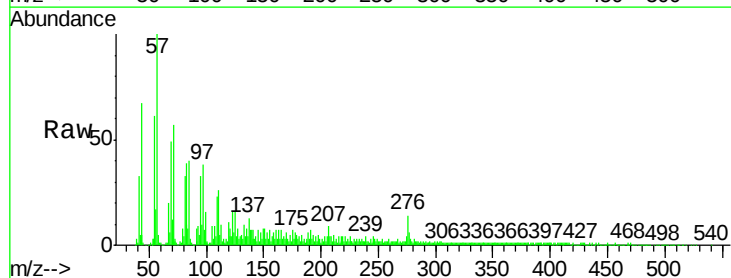
Instrument :
 BNA_F
 ClientSampleId :
 CAS-SB-02-0-2

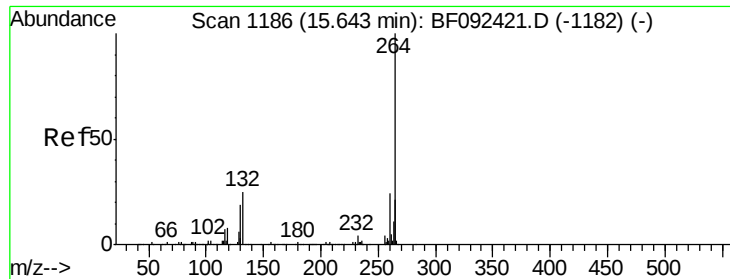
Tgt Ion:149 Resp: 179970
 Ion Ratio Lower Upper
 149 100
 167 29.0 20.2 30.4
 279 4.3 1.8 2.8#



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.30 ng
 RT: 17.17 min Scan# 1320
 Delta R.T. 0.05 min
 Lab File: BF092528.D
 Acq: 26 Jan 2017 16:22

Tgt Ion:276 Resp: 35235
 Ion Ratio Lower Upper
 276 100
 138 41.1 21.8 32.6#
 277 24.8 20.2 30.4



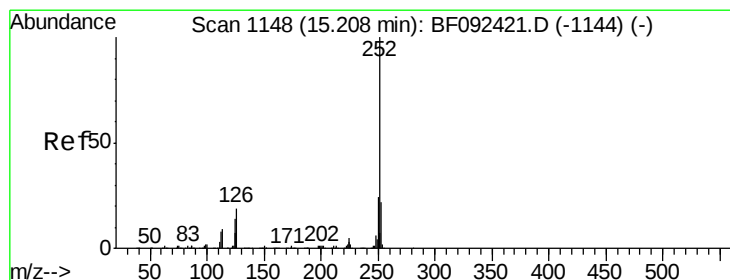
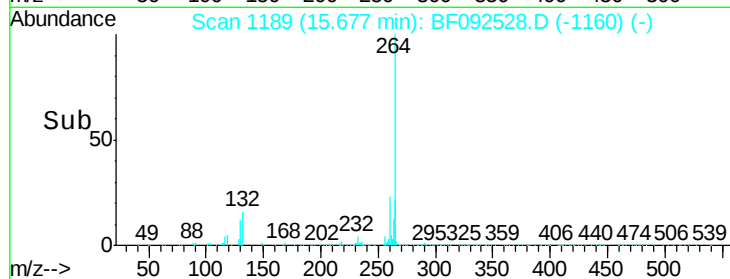
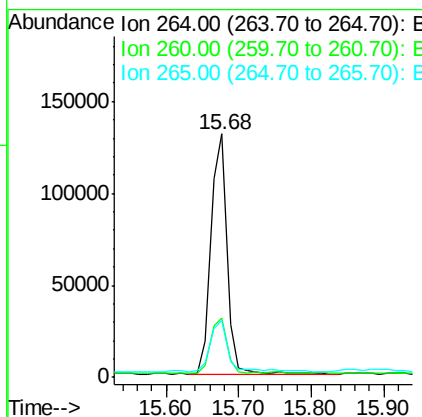
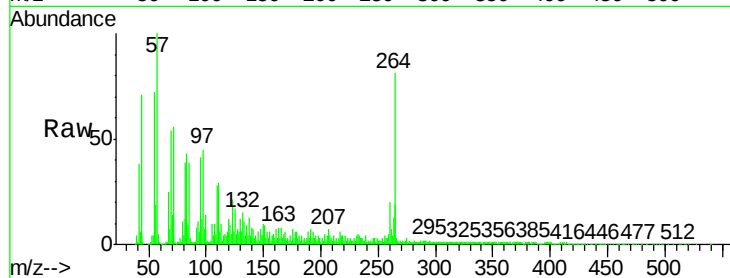


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.68 min Scan# 1189
Delta R.T. 0.03 min
Lab File: BF092528.D
Acq: 26 Jan 2017 16:22

Instrument :
BNA_F
ClientSampleId :
CAS-SB-02-0-2

Tgt Ion:264 Resp: 200569

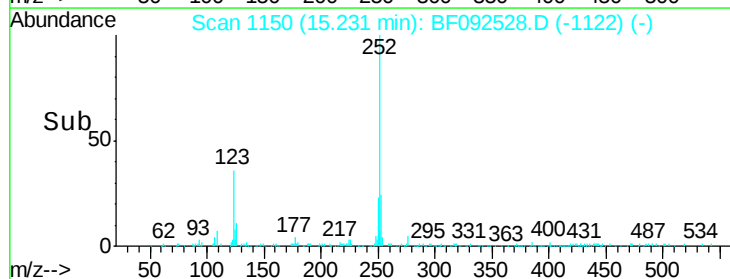
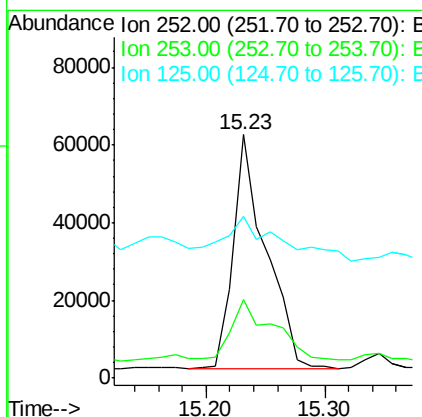
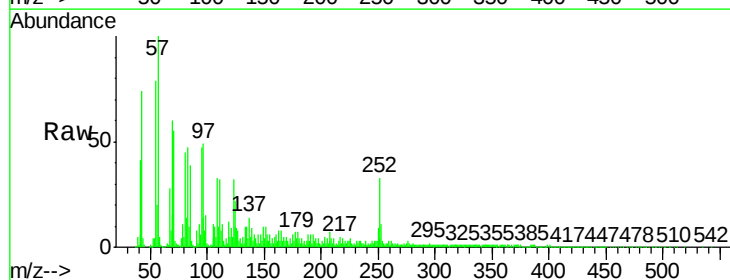
Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	23.2	17.4	26.0

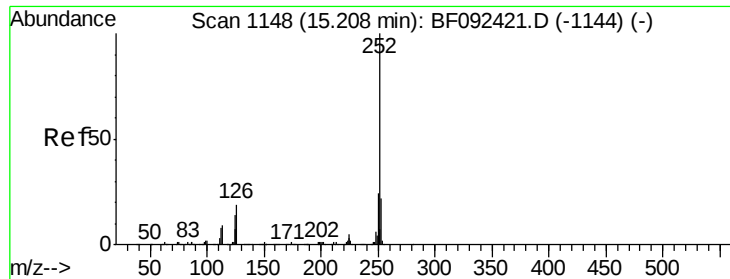


#87
Benzo(b)fluoranthene
Concen: 9.00 ng
RT: 15.23 min Scan# 1150
Delta R.T. 0.02 min
Lab File: BF092528.D
Acq: 26 Jan 2017 16:22

Tgt Ion:252 Resp: 115857

Ion	Ratio	Lower	Upper
252	100		
253	32.3	18.2	27.4#
125	66.2	9.8	14.6#





#88

Benzo(k)fluoranthene

Concen: 10.82 ng

RT: 15.23 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BF092528.D

Acq: 26 Jan 2017 16:22

Instrument :

BNA_F

ClientSampleId :

CAS-SB-02-0-2

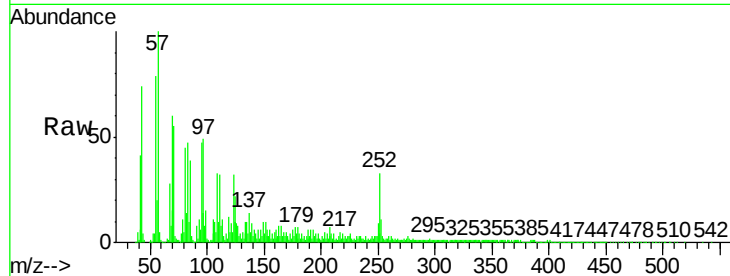
Tgt Ion:252 Resp: 115857

Ion Ratio Lower Upper

252 100

253 32.3 18.5 27.7#

125 66.2 8.9 13.3#



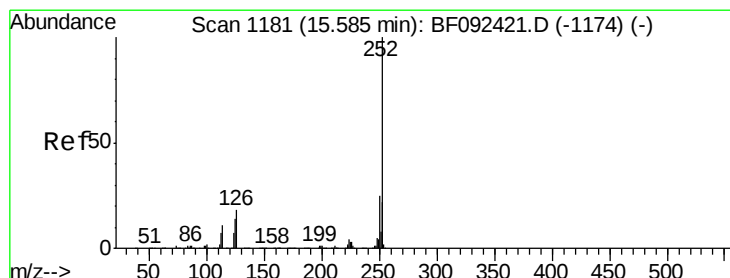
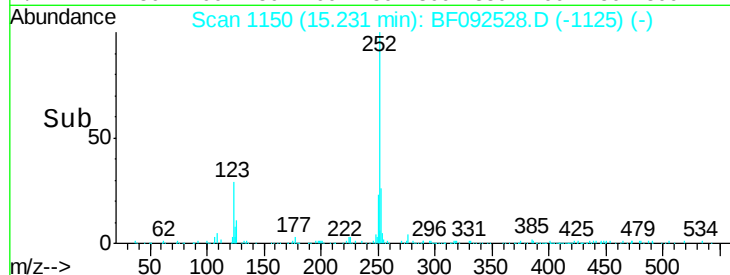
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

15.23

Time-->



#89

Benzo(a)pyrene

Concen: 2.37 ng

RT: 15.61 min Scan# 1183

Delta R.T. 0.02 min

Lab File: BF092528.D

Acq: 26 Jan 2017 16:22

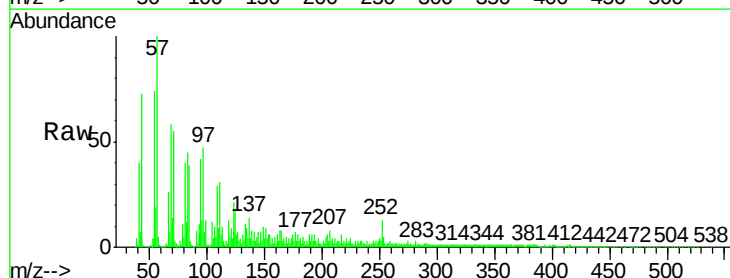
Tgt Ion:252 Resp: 25783

Ion Ratio Lower Upper

252 100

253 39.9 18.2 27.2#

125 142.6 10.0 15.0#



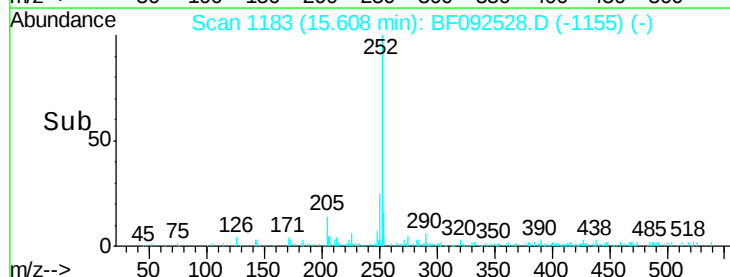
Abundance Ion 252.00 (251.70 to 252.70): E

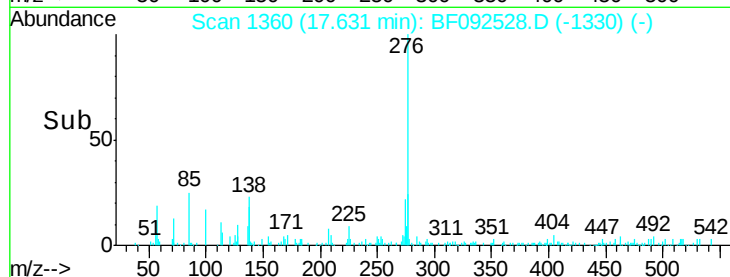
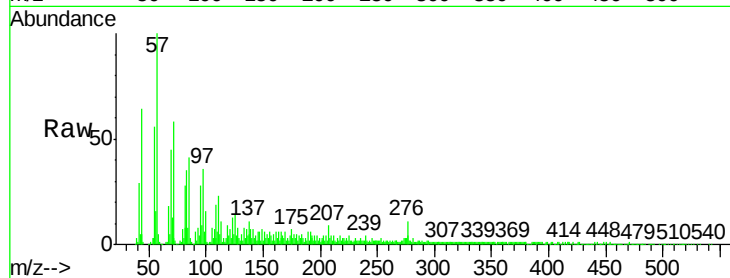
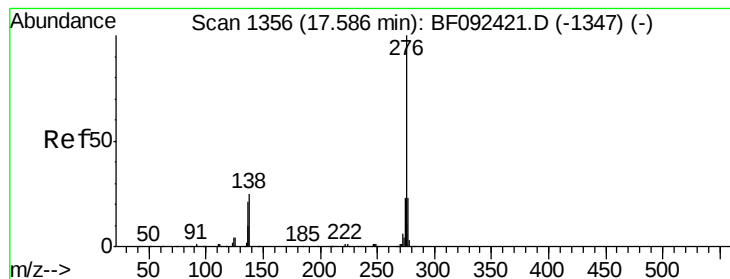
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

15.61

Time-->





#91

Benzo(g,h,i)perylene

Concen: 3.68 ng

RT: 17.63 min Scan# 1360

Delta R.T. 0.05 min

Lab File: BF092528.D

Acq: 26 Jan 2017 16:22

Instrument :

BNA_F

ClientSampleId :

CAS-SB-02-0-2

Tgt Ion:276 Resp: 32770

Ion Ratio Lower Upper

276 100

277 37.8 19.2 28.8#

138 49.2 16.0 24.0#

