

Data File : BF093232.D
Acq On : 28 Feb 2017 3:59
Operator : SJ/MA
Sample : I1972-13 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-B1-SW-4

Quant Time: Feb 28 04:39:11 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 28 00:51:02 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	166086	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	636906	20.00	ng	-0.01
38) Acenaphthene-d10	9.86	164	294456	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	493918	20.00	ng	0.00
75) Chrysene-d12	13.99	240	360415	20.00	ng	0.00
86) Perylene-d12	15.41	264	271691	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	208774	21.57	ng	0.00
7) Phenol-d6	6.46	99	266026	21.36	ng	-0.01
23) Nitrobenzene-d5	7.38	82	148439	12.98	ng	-0.01
41) 2,4,6-Tribromophenol	10.65	330	39037	18.33	ng	-0.01
44) 2-Fluorobiphenyl	9.17	172	262444	16.15	ng	-0.01
78) Terphenyl-d14	12.92	244	185676	12.10	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.38	70	19823	2.50	ng	# 82
25) Isophorone	7.38	82	142595	6.69	ng	# 65
32) Benzoic acid	7.92	122	1266	7.36	ng	# 65
50) 2,6-Dinitrotoluene	9.86	165	38637	9.02	ng	# 31
56) 2,4-Dinitrotoluene	9.86	165	38638	6.78	ng	# 20
70) Phenanthrene	11.37	178	167299	5.91	ng	97
74) Fluoranthene	12.56	202	275707	9.45	ng	97
77) Pyrene	12.79	202	257028	9.53	ng	99
80) Benzo(a)anthracene	13.97	228	140130	6.36	ng	97
82) Chrysene	14.01	228	100658	4.88	ng	97
83) Bis(2-ethylhexyl)phthalate	13.96	149	31747	2.12	ng	# 96
85) Indeno(1,2,3-cd)pyrene	16.81	276	55328	3.46	ng	96
87) Benzo(b)fluoranthene	15.00	252	183423	10.26	ng	# 95
88) Benzo(k)fluoranthene	15.00	252	183423	11.88	ng	# 93
89) Benzo(a)pyrene	15.36	252	92578	5.98	ng	97
91) Benzo(g,h,i)perylene	17.23	276	51507	4.08	ng	# 89

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

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E2-B1-SW-4

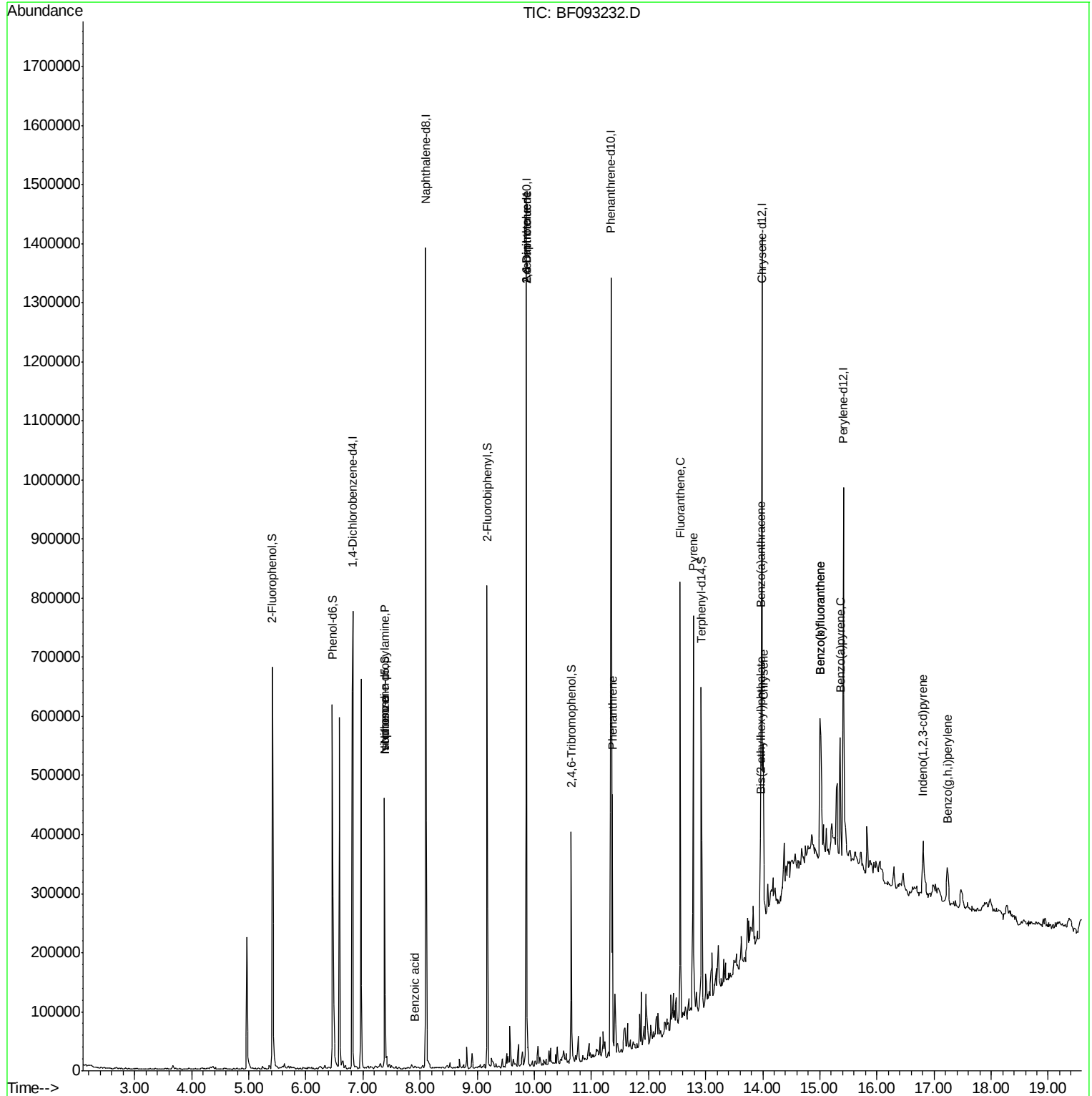
Quant Time: Feb 28 04:39:11 2017

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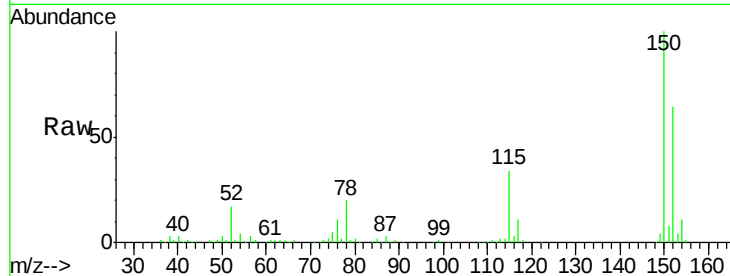


#1

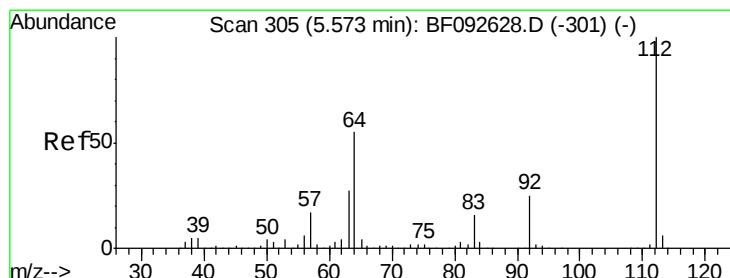
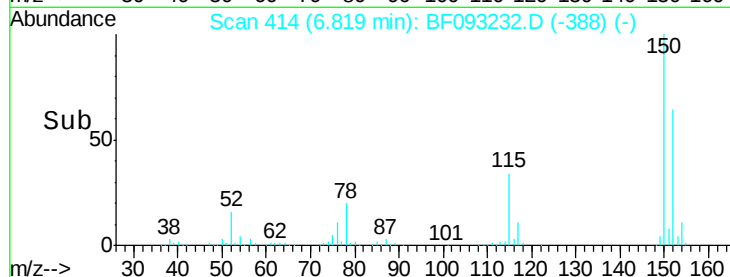
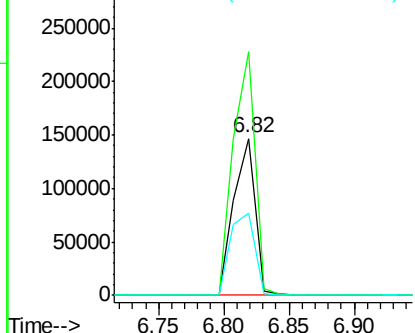
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 414
Delta R.T. 0.00 min
Lab File: BF093232.D
Acq: 28 Feb 2017 3:59

Instrument :
BNA_F
ClientSampleId :
E2-B1-SW-4

Tgt Ion:152 Resp: 166086
Ion Ratio Lower Upper
152 100
150 155.3 124.9 187.3
115 52.9 46.0 69.0



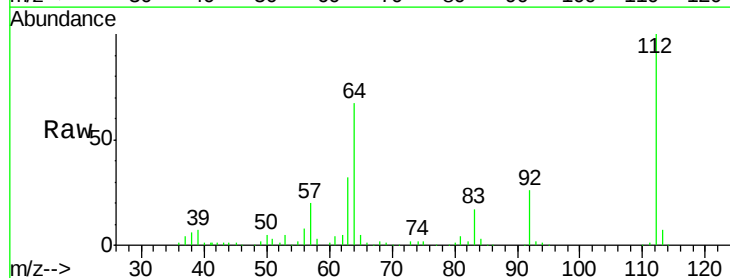
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



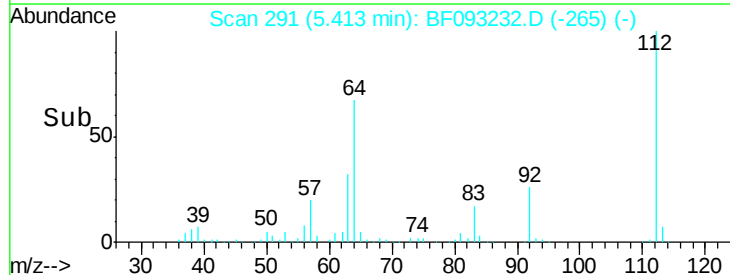
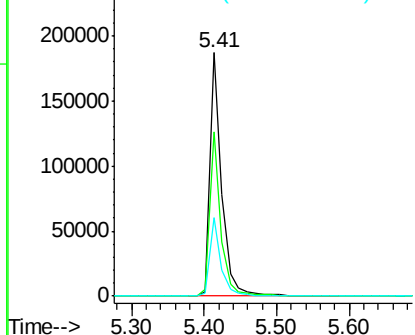
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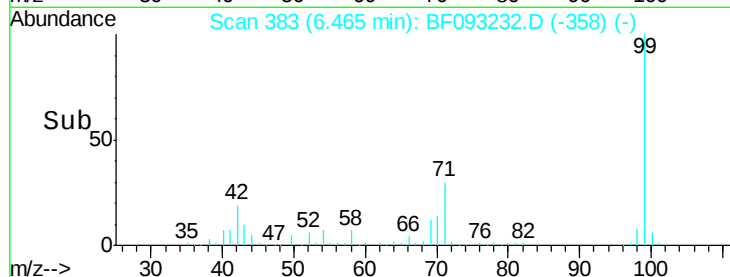
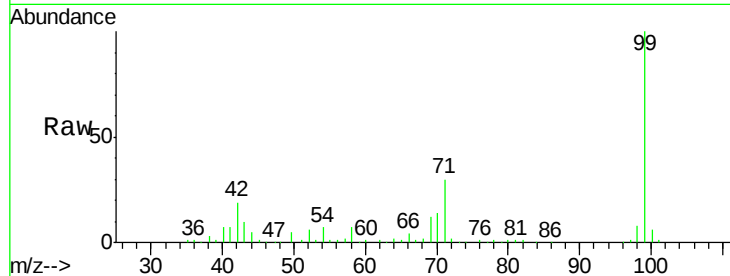
2-Fluorophenol
Concen: 21.57 ng
RT: 5.41 min Scan# 291
Delta R.T. 0.00 min
Lab File: BF093232.D
Acq: 28 Feb 2017 3:59

Tgt Ion:112 Resp: 208774
Ion Ratio Lower Upper
112 100
64 67.2 46.1 69.1
63 32.2 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: 21.36 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.01 min

Lab File: BF093232.D

Acq: 28 Feb 2017 3:59

Instrument :

BNA_F

ClientSampleId :

E2-B1-SW-4

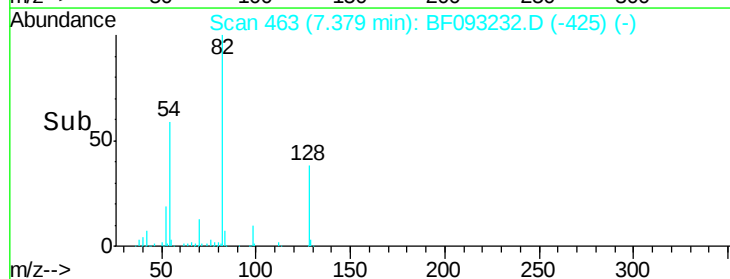
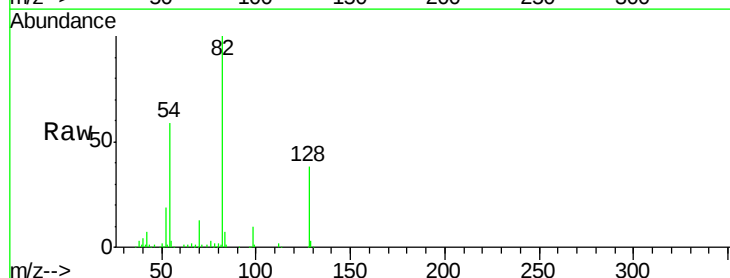
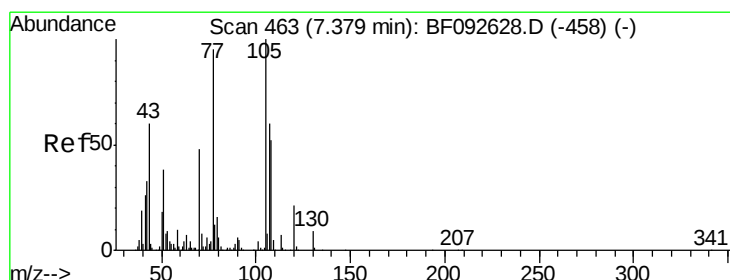
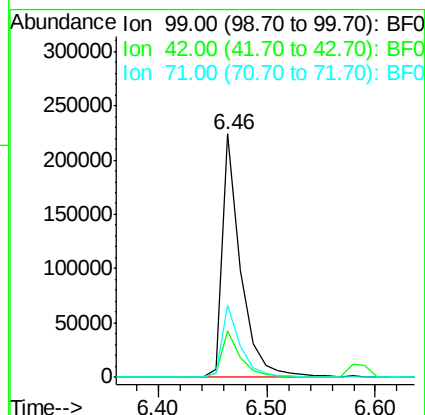
Tgt Ion: 99 Resp: 266026

Ion Ratio Lower Upper

99 100

42 19.0 15.6 23.4

71 29.7 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 2.50 ng

RT: 7.38 min Scan# 463

Delta R.T. 0.14 min

Lab File: BF093232.D

Acq: 28 Feb 2017 3:59

Tgt Ion: 70 Resp: 19823

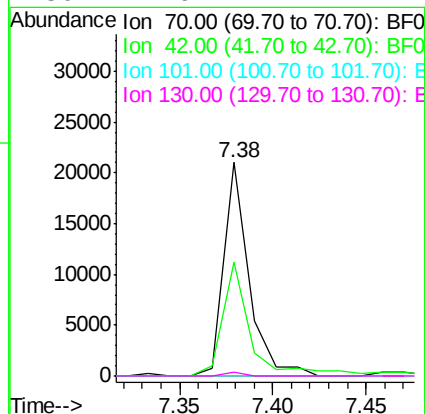
Ion Ratio Lower Upper

70 100

42 53.1 49.4 74.0

101 0.0 7.4 11.2#

130 1.6 14.2 21.4#

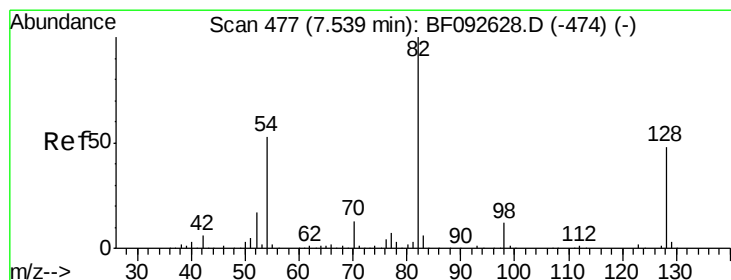
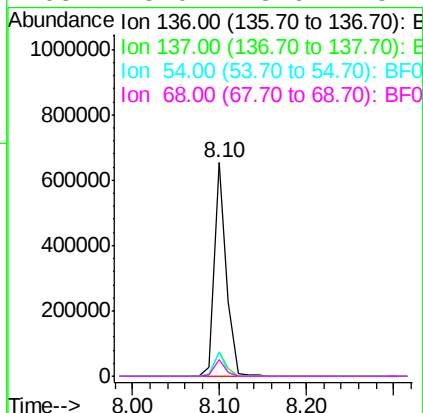
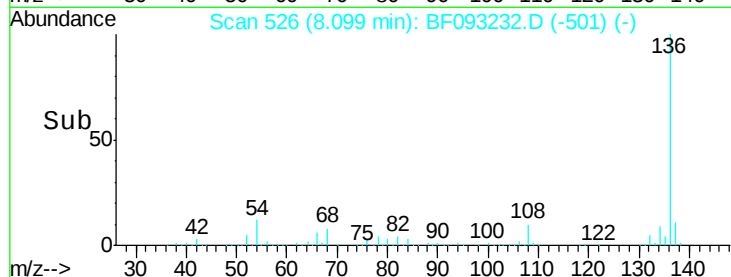
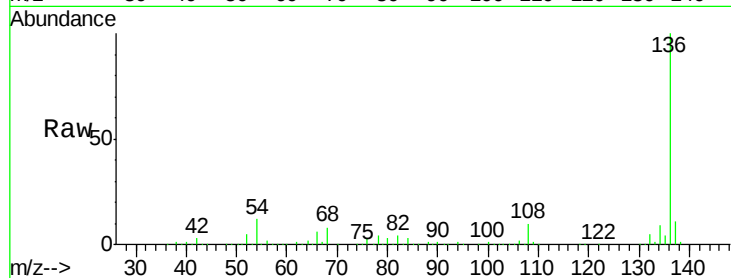




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 526
Delta R.T. -0.01 min
Lab File: BF093232.D
Acq: 28 Feb 2017 3:59

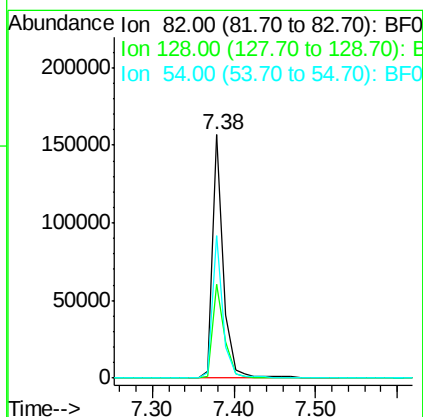
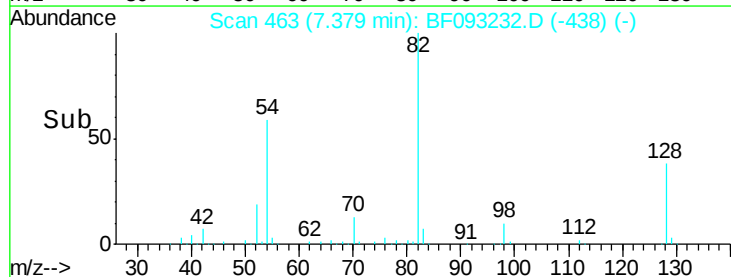
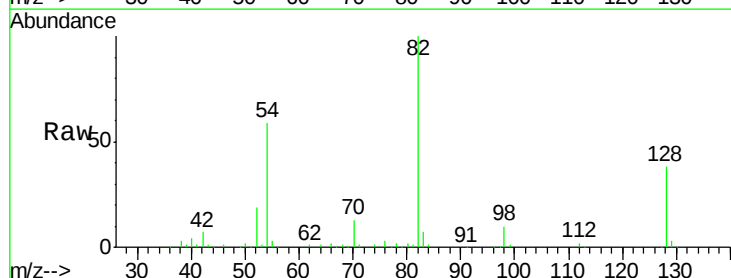
Instrument :
BNA_F
ClientSampleId :
E2-B1-SW-4

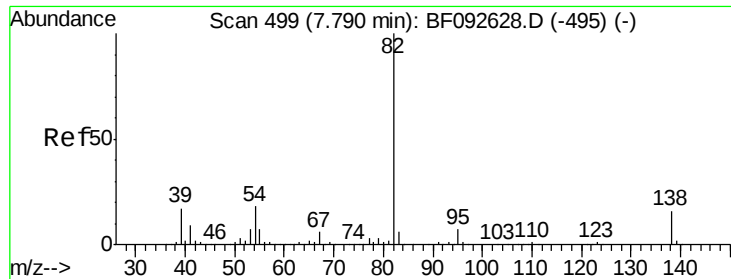
Tgt Ion:	136	Resp:	636906
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.4	12.6
54	11.6	4.5	6.7#
68	8.0	3.6	5.4#



#23
Nitrobenzene-d5
Concen: 12.98 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.01 min
Lab File: BF093232.D
Acq: 28 Feb 2017 3:59

Tgt Ion:	82	Resp:	148439
Ion	Ratio	Lower	Upper
82	100		
128	38.4	34.6	52.0
54	58.6	39.5	59.3

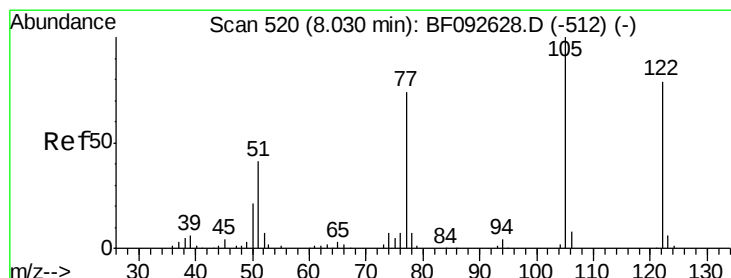
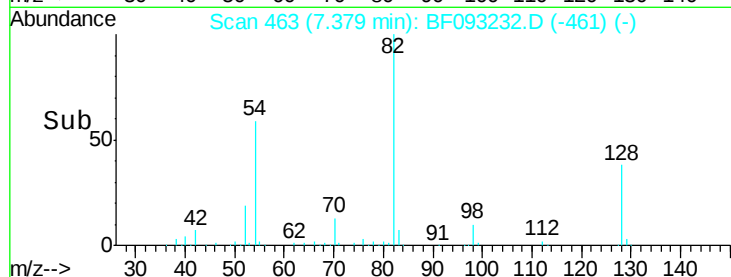
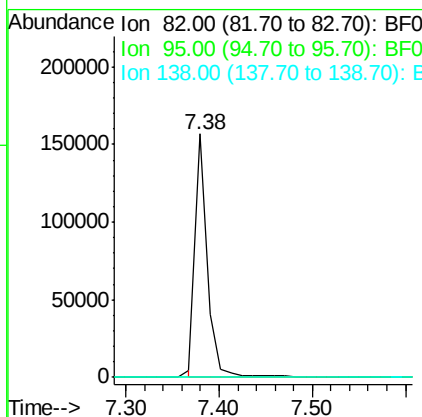
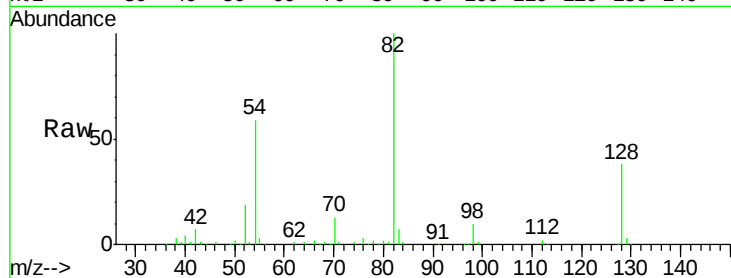




#25
Isophorone
Concen: 6.69 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.27 min
Lab File: BF093232.D
Acq: 28 Feb 2017 3:59

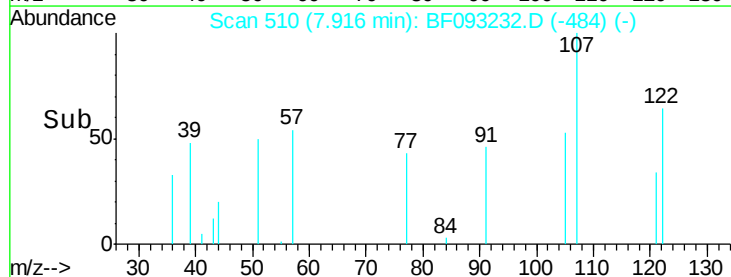
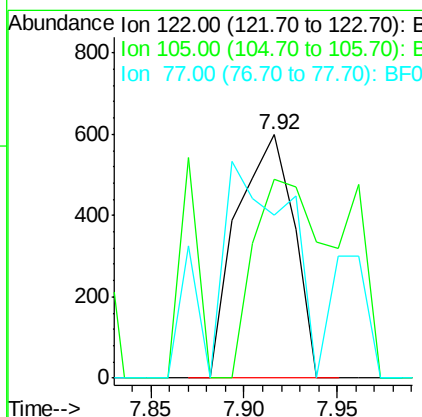
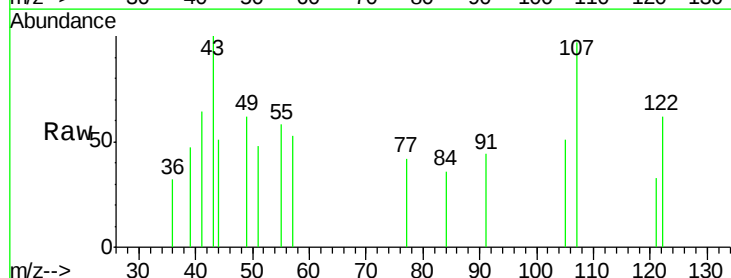
Instrument :
BNA_F
ClientSampleId :
E2-B1-SW-4

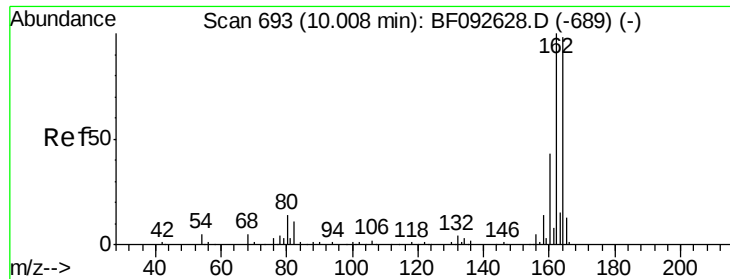
Tgt Ion: 82 Resp: 142595
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.6 22.0#



#32
Benzoic acid
Concen: 7.36 ng
RT: 7.92 min Scan# 510
Delta R.T. 0.00 min
Lab File: BF093232.D
Acq: 28 Feb 2017 3:59

Tgt Ion: 122 Resp: 1266
Ion Ratio Lower Upper
122 100
105 81.8 107.2 147.2#
77 66.9 74.5 114.5#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.86 min Scan# 680

Delta R.T. 0.00 min

Lab File: BF093232.D

Acq: 28 Feb 2017 3:59

Instrument :

BNA_F

ClientSampleId :

E2-B1-SW-4

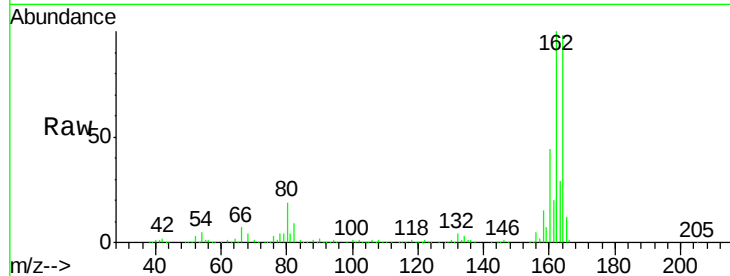
Tgt Ion:164 Resp: 294456

Ion Ratio Lower Upper

164 100

162 102.1 80.2 120.2

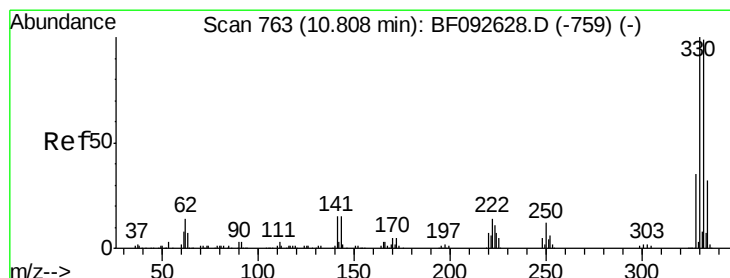
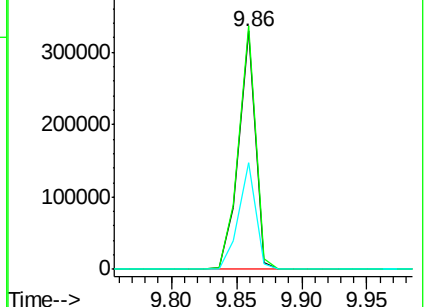
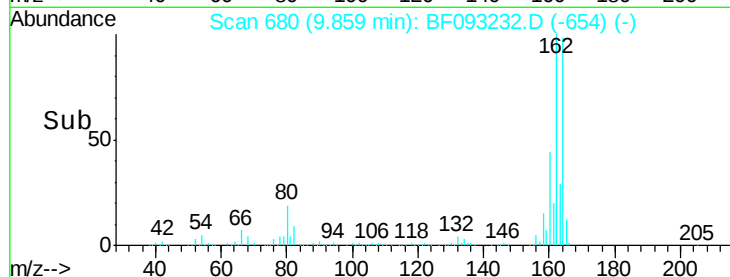
160 44.7 36.9 55.3



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: 18.33 ng

RT: 10.65 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF093232.D

Acq: 28 Feb 2017 3:59

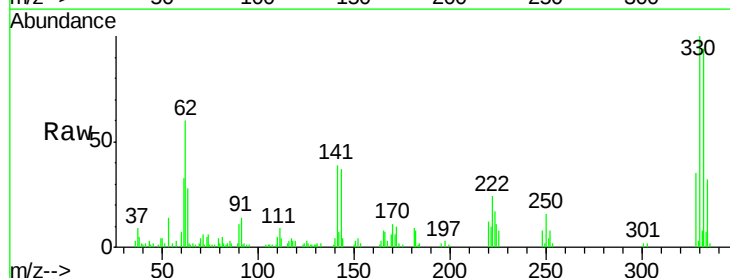
Tgt Ion:330 Resp: 39037

Ion Ratio Lower Upper

330 100

332 94.1 77.4 116.2

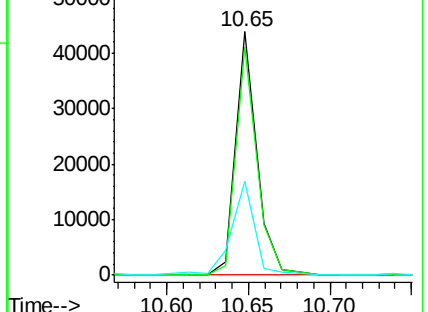
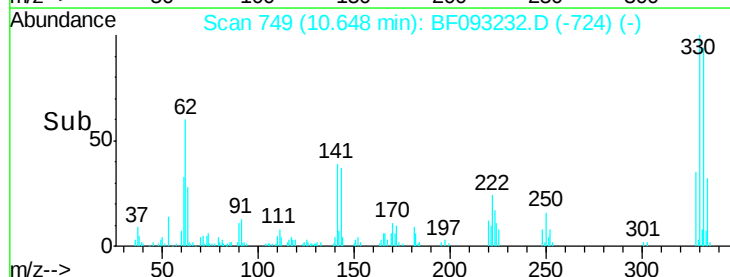
141 43.1 34.1 51.1



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

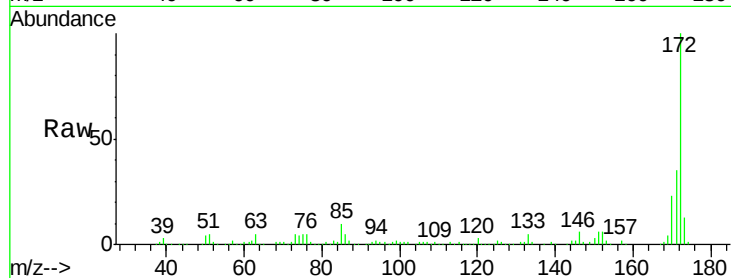




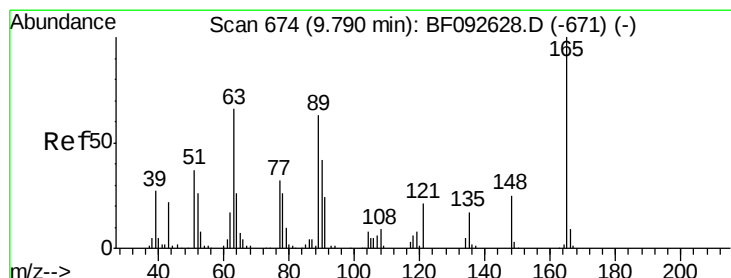
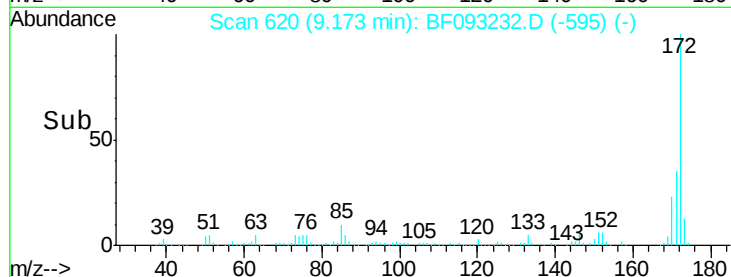
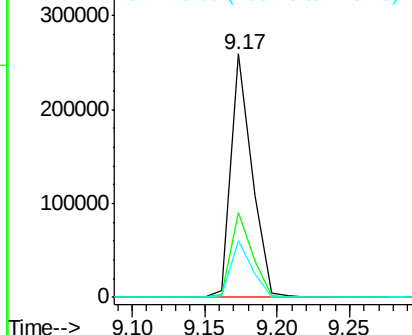
#44
 2-Fluorobiphenyl
 Concen: 16.15 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.01 min
 Lab File: BF093232.D
 Acq: 28 Feb 2017 3:59

Instrument :
 BNA_F
 ClientSampleId :
 E2-B1-SW-4

Tgt Ion:172 Resp: 262444
 Ion Ratio Lower Upper
 172 100
 171 35.1 29.4 44.0
 170 23.5 20.2 30.4

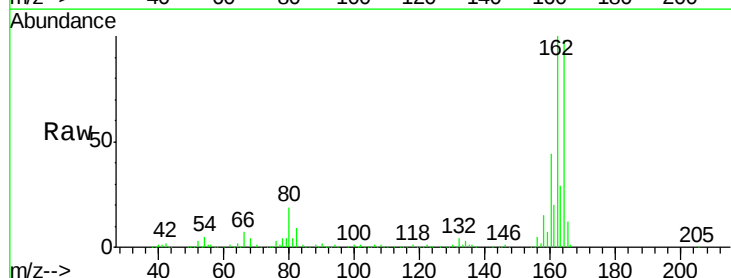


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

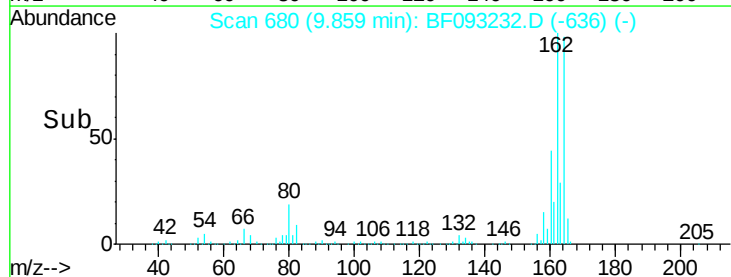
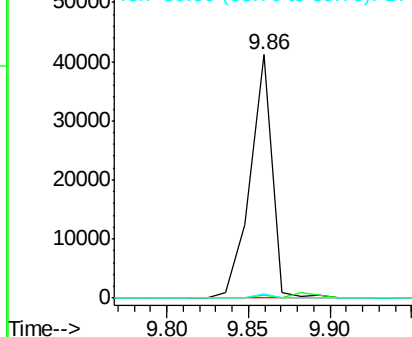


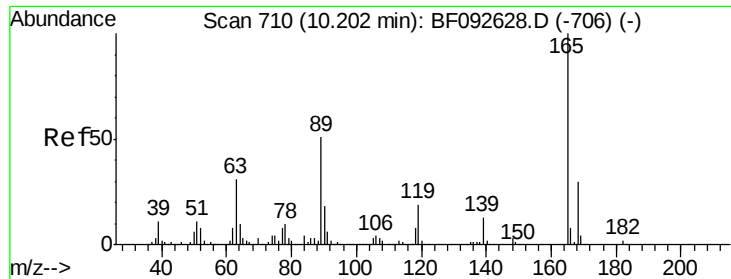
#50
 2,6-Dinitrotoluene
 Concen: 9.02 ng
 RT: 9.86 min Scan# 680
 Delta R.T. 0.21 min
 Lab File: BF093232.D
 Acq: 28 Feb 2017 3:59

Tgt Ion:165 Resp: 38637
 Ion Ratio Lower Upper
 165 100
 63 1.5 36.2 54.4#
 89 1.8 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

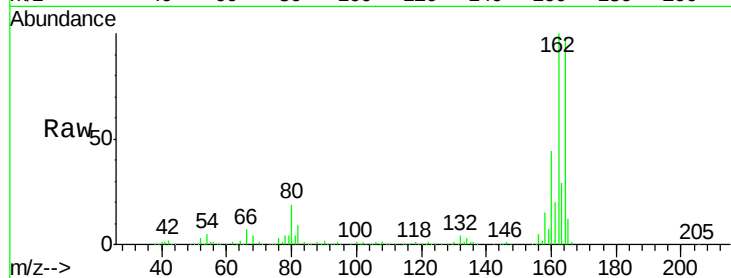




#56
 2,4-Dinitrotoluene
 Concen: 6.78 ng
 RT: 9.86 min Scan# 680
 Delta R.T. -0.21 min
 Lab File: BF093232.D
 Acq: 28 Feb 2017 3:59

Instrument :
 BNA_F
 ClientSampleId :
 E2-B1-SW-4

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	40.2	60.4#
89	1.8	62.5	93.7#
182	0.0	1.8	2.8#

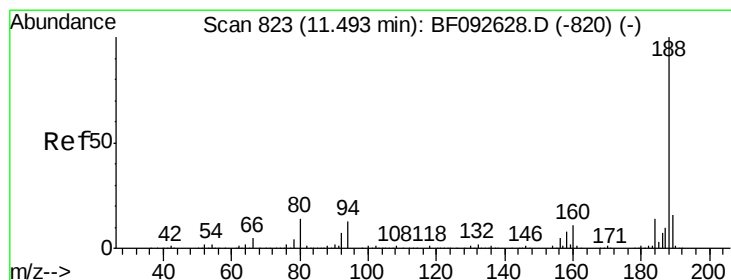
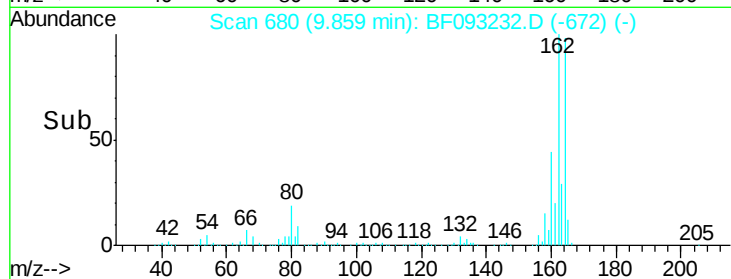
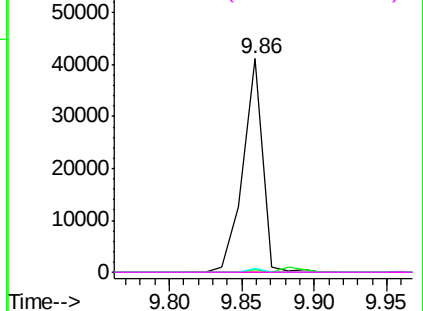


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

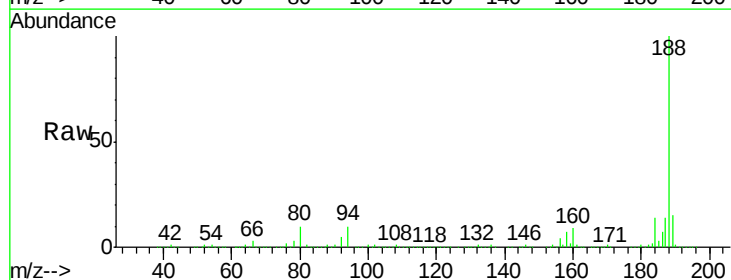
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.35 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: BF093232.D
 Acq: 28 Feb 2017 3:59

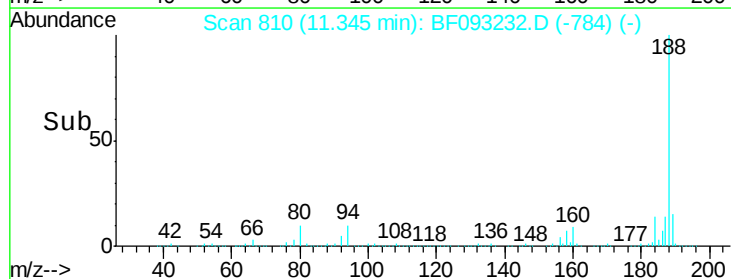
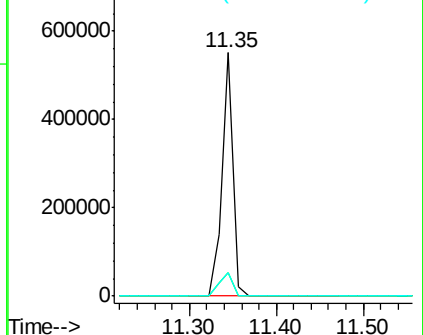
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	10.0	15.0#
80	9.7	11.2	16.8#

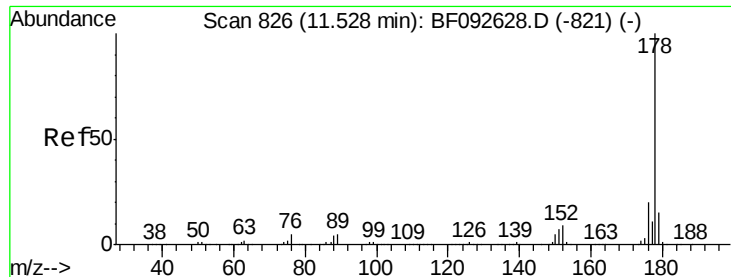


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

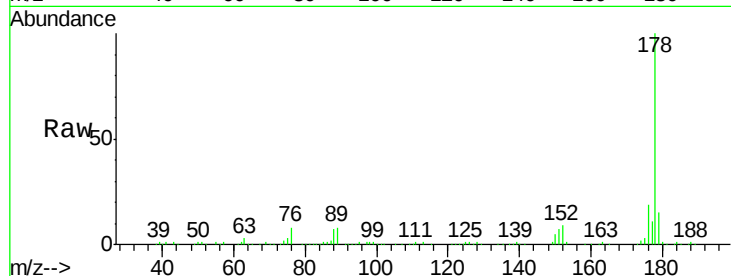




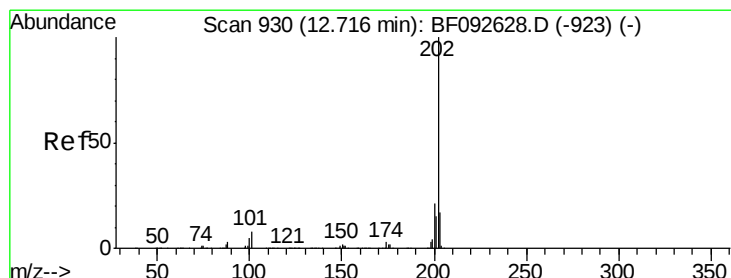
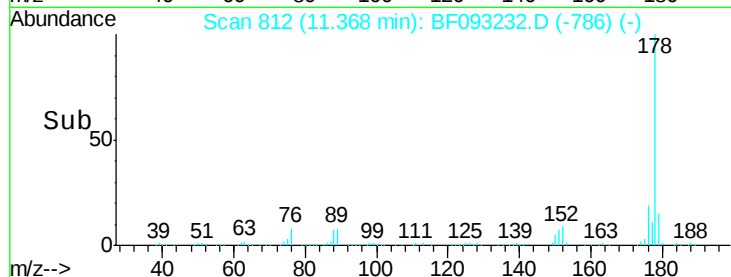
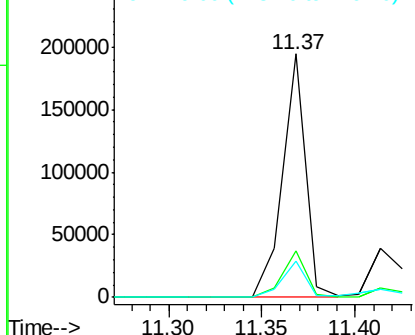
#70
Phenanthrene
Concen: 5.91 ng
RT: 11.37 min Scan# 812
Delta R.T. 0.00 min
Lab File: BF093232.D
Acq: 28 Feb 2017 3:59

Instrument :
BNA_F
ClientSampleId :
E2-B1-SW-4

Tgt Ion:178 Resp: 167299
Ion Ratio Lower Upper
178 100
176 19.0 16.6 25.0
179 14.8 12.8 19.2

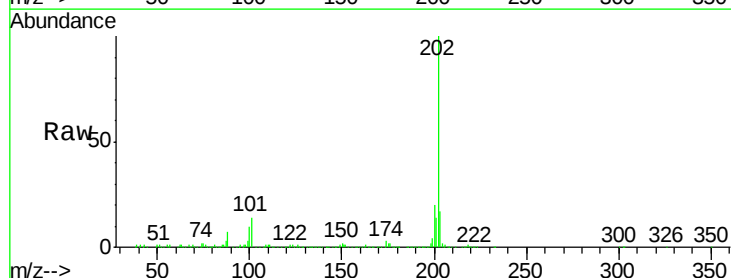


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

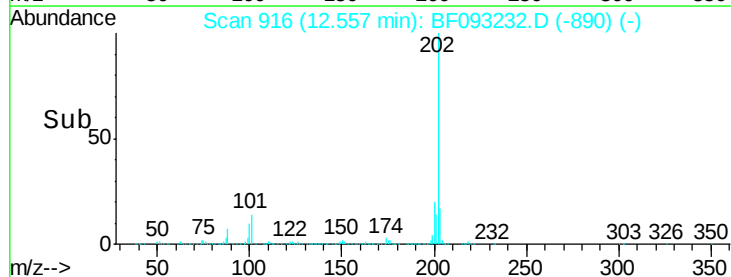
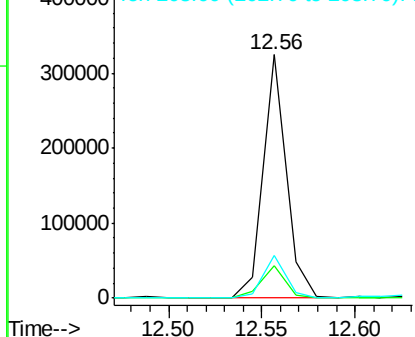


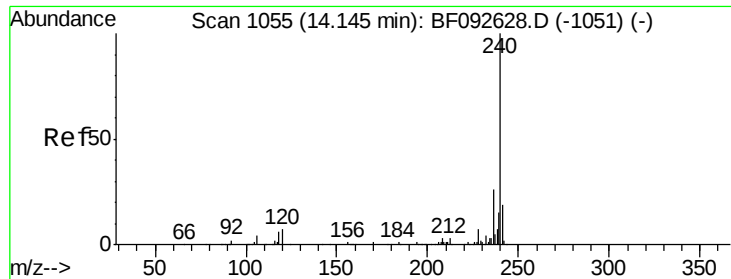
#74
Fluoranthene
Concen: 9.45 ng
RT: 12.56 min Scan# 916
Delta R.T. 0.00 min
Lab File: BF093232.D
Acq: 28 Feb 2017 3:59

Tgt Ion:202 Resp: 275707
Ion Ratio Lower Upper
202 100
101 13.5 0.0 34.6
203 17.4 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: 13.99 min Scan# 1041

Delta R.T. 0.00 min

Lab File: BF093232.D

Acq: 28 Feb 2017 3:59

Instrument :

BNA_F

ClientSampleId :

E2-B1-SW-4

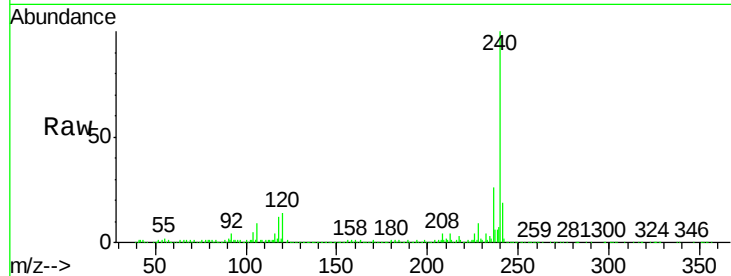
Tgt Ion:240 Resp: 360415

Ion Ratio Lower Upper

240 100

120 13.9 12.9 19.3

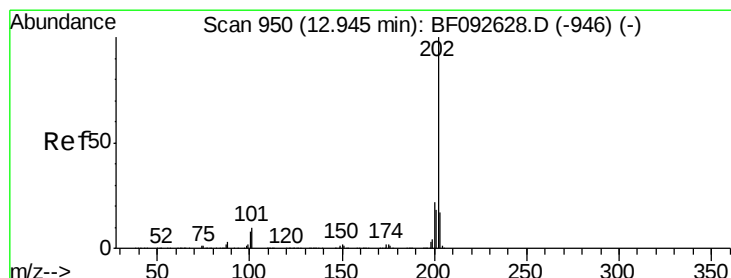
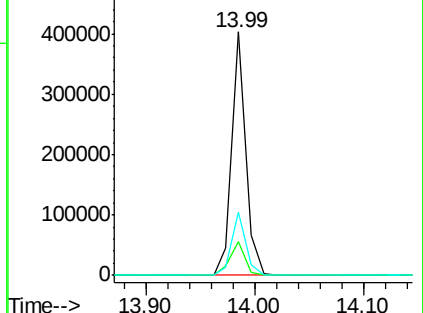
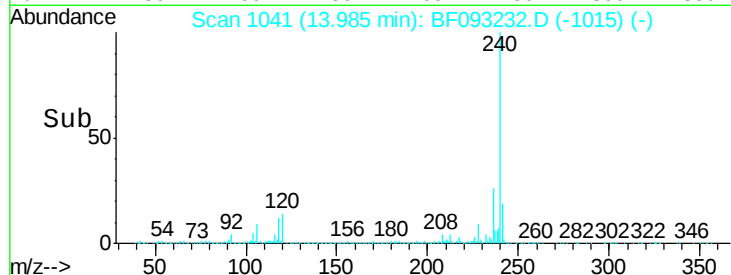
236 25.7 20.9 31.3



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: 9.53 ng

RT: 12.79 min Scan# 936

Delta R.T. 0.00 min

Lab File: BF093232.D

Acq: 28 Feb 2017 3:59

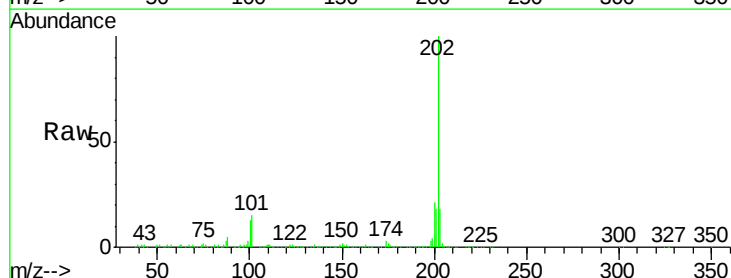
Tgt Ion:202 Resp: 257028

Ion Ratio Lower Upper

202 100

200 21.4 17.7 26.5

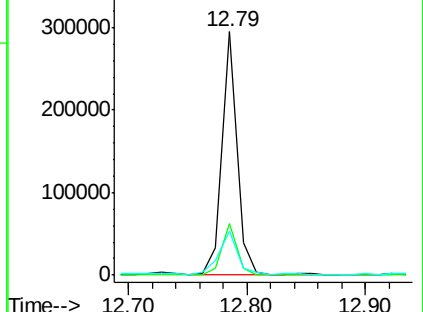
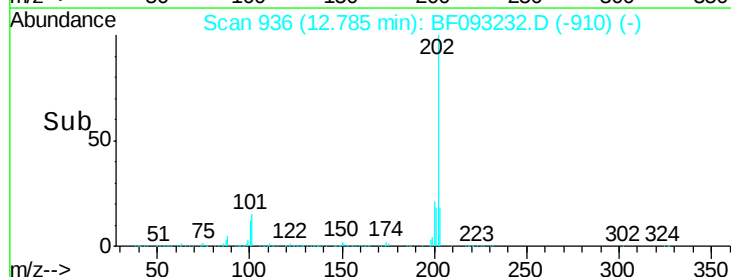
203 17.9 14.7 22.1

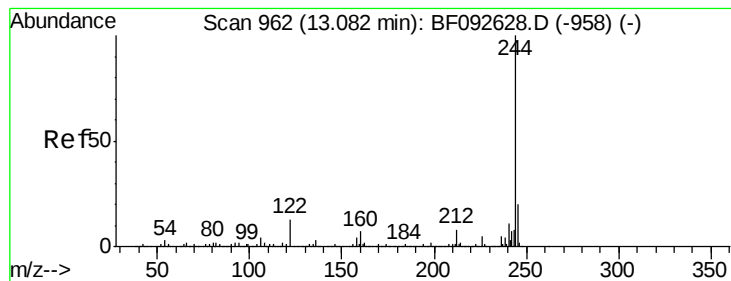


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 12.10 ng

RT: 12.92 min Scan# 948

Delta R.T. -0.01 min

Lab File: BF093232.D

Acq: 28 Feb 2017 3:59

Instrument :

BNA_F

ClientSampleId :

E2-B1-SW-4

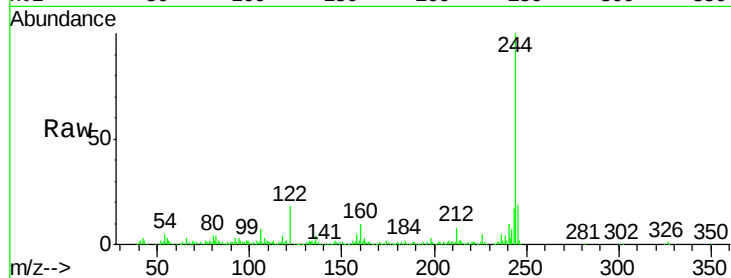
Tgt Ion:244 Resp: 185676

Ion Ratio Lower Upper

244 100

212 8.3 6.2 9.2

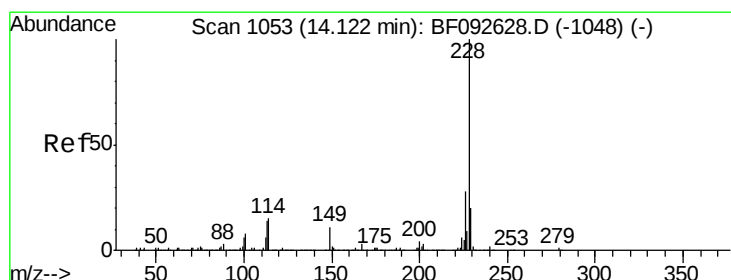
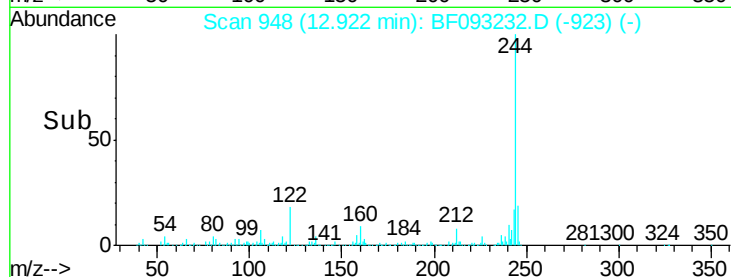
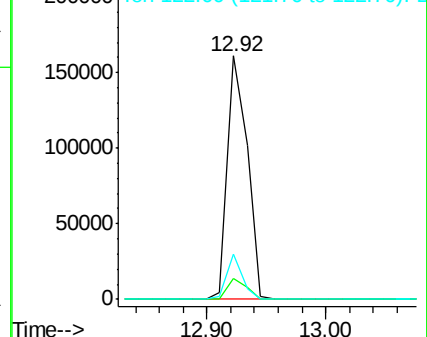
122 18.4 11.4 17.2#



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



#80

Benzo(a)anthracene

Concen: 6.36 ng

RT: 13.97 min Scan# 1040

Delta R.T. 0.00 min

Lab File: BF093232.D

Acq: 28 Feb 2017 3:59

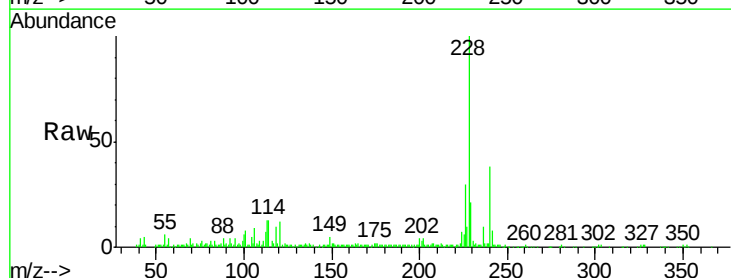
Tgt Ion:228 Resp: 140130

Ion Ratio Lower Upper

228 100

226 30.1 22.4 33.6

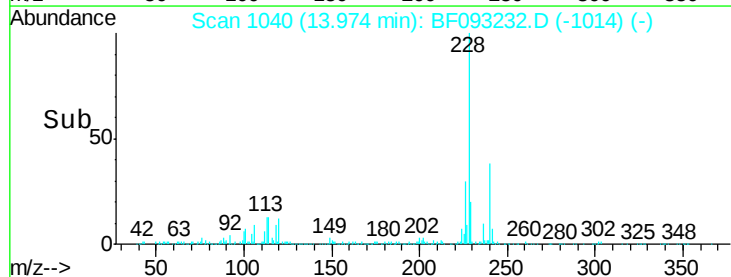
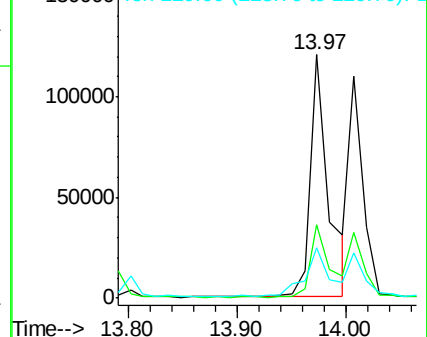
229 20.6 16.2 24.4

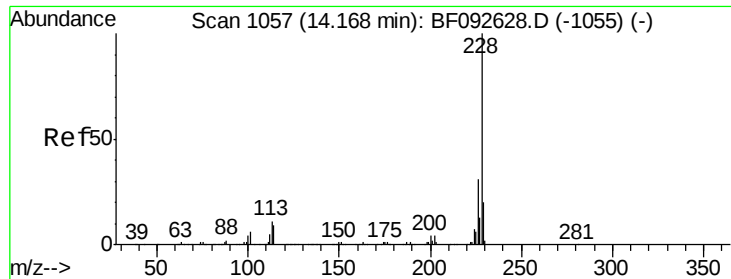


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 4.88 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF093232.D

Acq: 28 Feb 2017 3:59

Instrument :

BNA_F

ClientSampleId :

E2-B1-SW-4

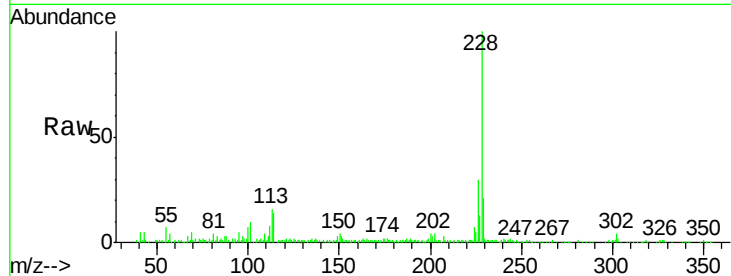
Tgt Ion: 228 Resp: 100658

Ion Ratio Lower Upper

228 100

226 29.5 25.4 38.0

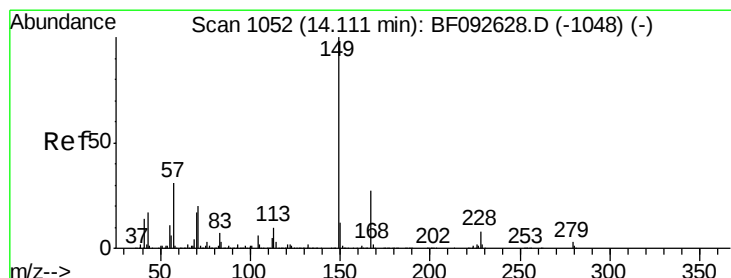
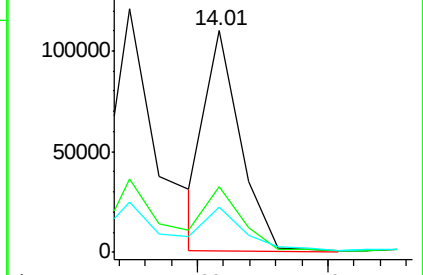
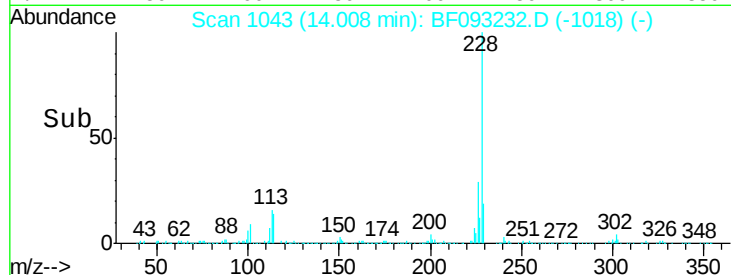
229 20.5 16.2 24.2



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: 2.12 ng

RT: 13.96 min Scan# 1039

Delta R.T. 0.00 min

Lab File: BF093232.D

Acq: 28 Feb 2017 3:59

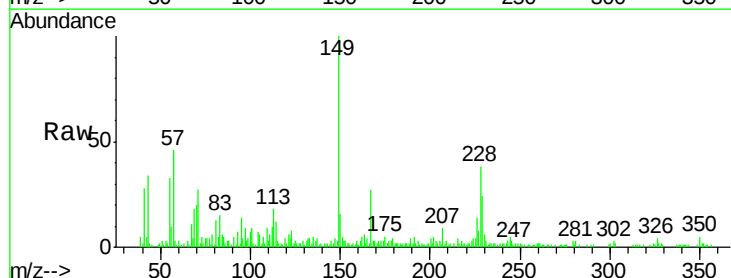
Tgt Ion: 149 Resp: 31747

Ion Ratio Lower Upper

149 100

167 27.2 20.2 30.4

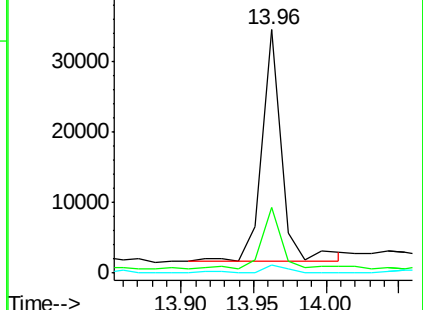
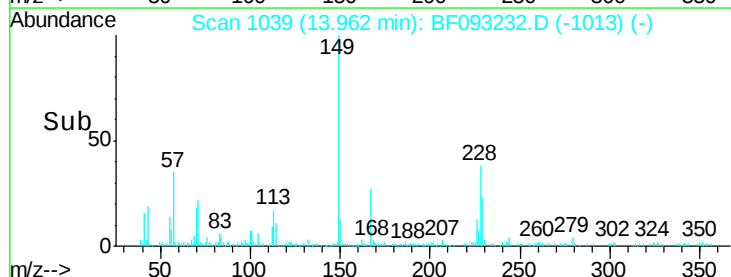
279 3.5 1.8 2.8#

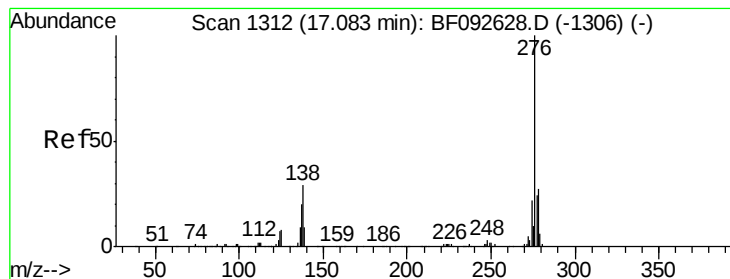


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 3.46 ng

RT: 16.81 min Scan# 1288

Delta R.T. -0.01 min

Lab File: BF093232.D

Acq: 28 Feb 2017 3:59

Instrument :

BNA_F

ClientSampleId :

E2-B1-SW-4

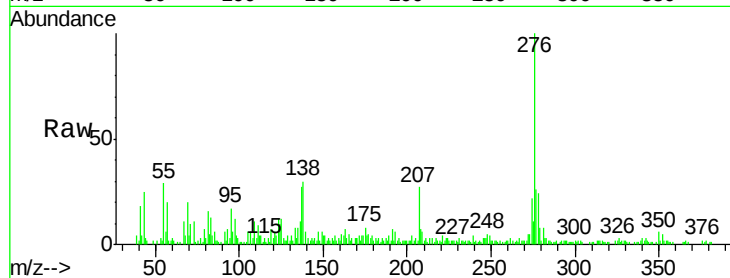
Tgt Ion: 276 Resp: 55328

Ion Ratio Lower Upper

276 100

138 31.3 21.8 32.6

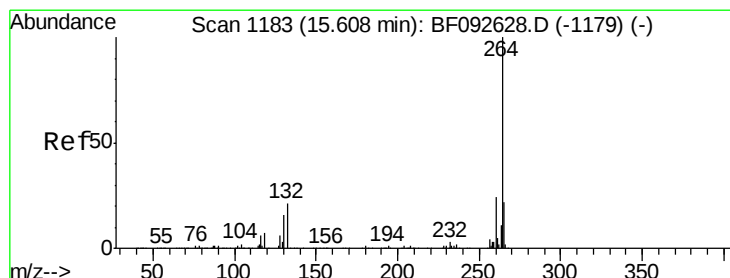
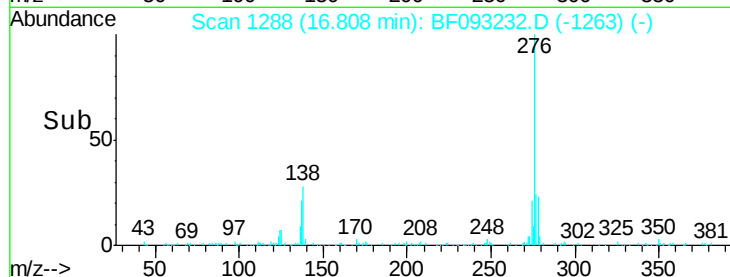
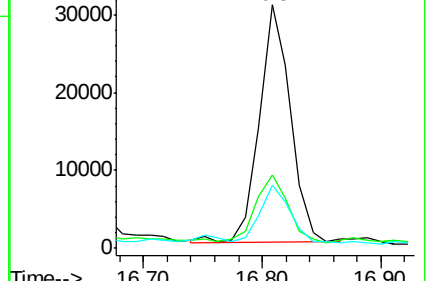
277 25.2 20.2 30.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.41 min Scan# 1166

Delta R.T. 0.00 min

Lab File: BF093232.D

Acq: 28 Feb 2017 3:59

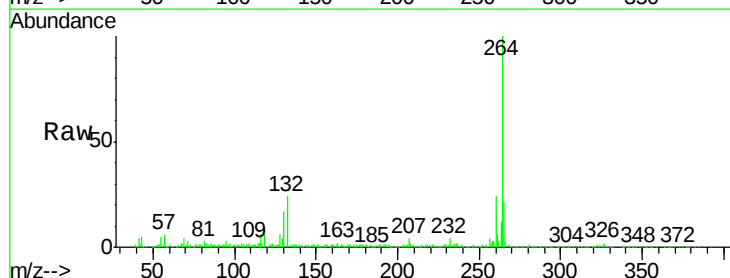
Tgt Ion: 264 Resp: 271691

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

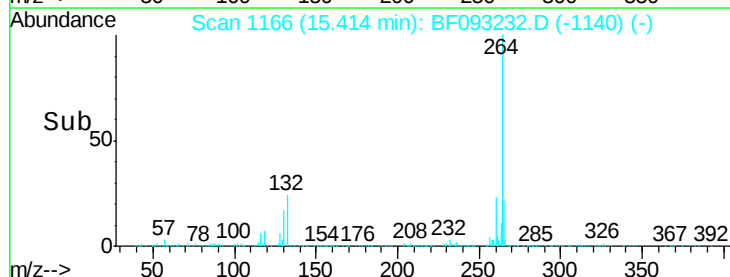
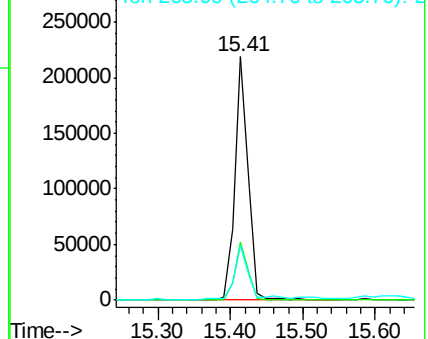
265 22.1 17.4 26.0

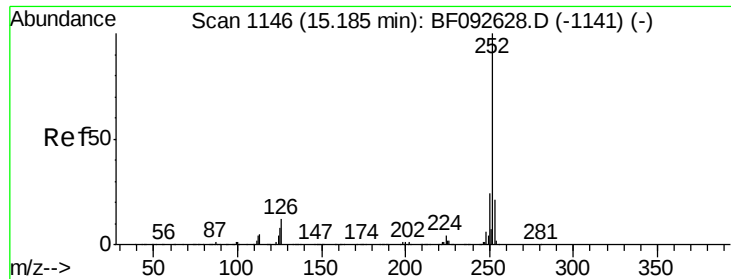


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 10.26 ng

RT: 15.00 min Scan# 1130

Delta R.T. -0.01 min

Lab File: BF093232.D

Acq: 28 Feb 2017 3:59

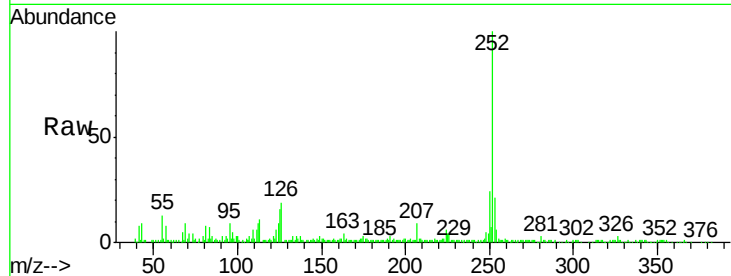
Instrument :

BNA_F

ClientSampleId :

E2-B1-SW-4

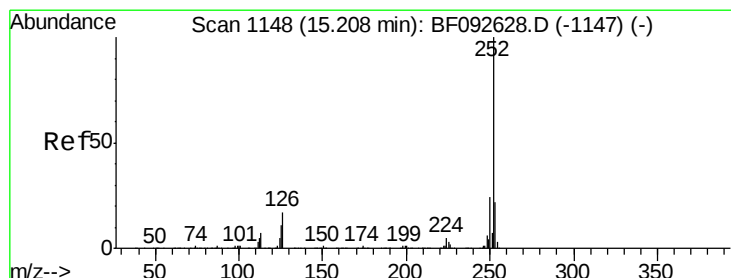
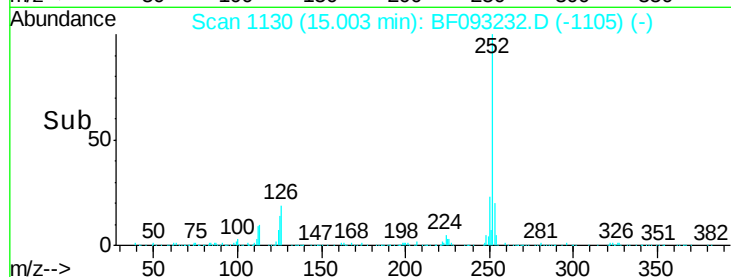
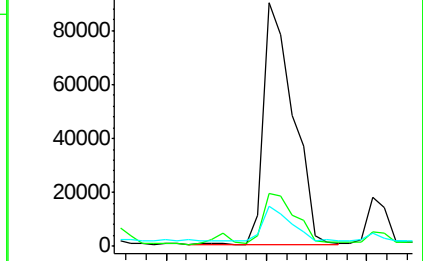
Tgt Ion:	252	Resp:	183423
Ion Ratio	Lower	Upper	
252	100		
253	21.5	18.2	27.4
125	16.3	9.8	14.6#



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



#88

Benzo(k)fluoranthene

Concen: 11.88 ng

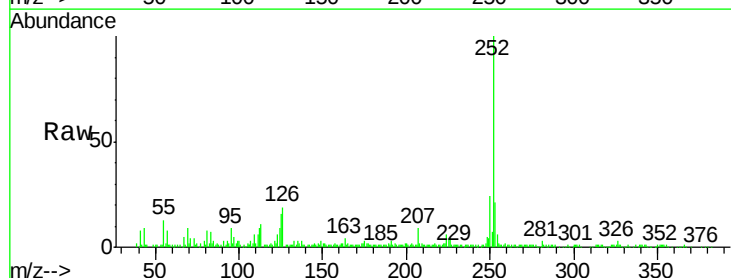
RT: 15.00 min Scan# 1130

Delta R.T. -0.03 min

Lab File: BF093232.D

Acq: 28 Feb 2017 3:59

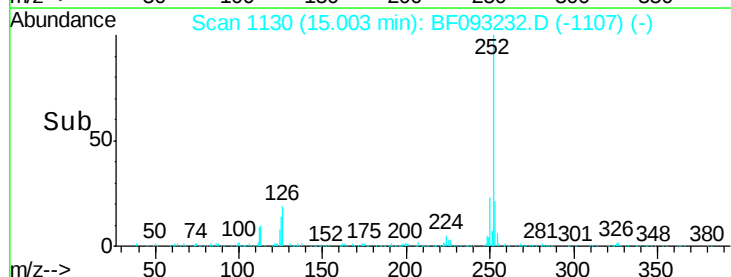
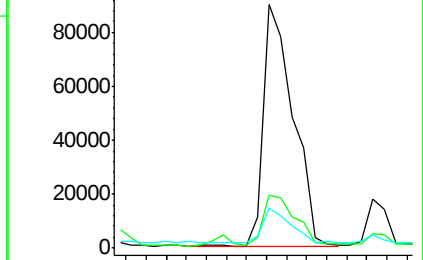
Tgt Ion:	252	Resp:	183423
Ion Ratio	Lower	Upper	
252	100		
253	21.5	18.5	27.7
125	16.3	8.9	13.3#

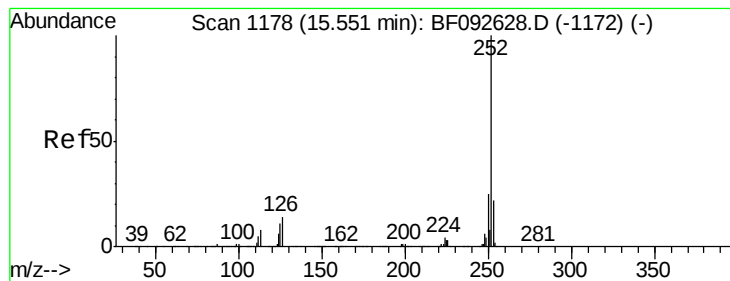


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 5.98 ng

RT: 15.36 min Scan# 1161

Delta R.T. 0.00 min

Lab File: BF093232.D

Acq: 28 Feb 2017 3:59

Instrument :

BNA_F

ClientSampleId :

E2-B1-SW-4

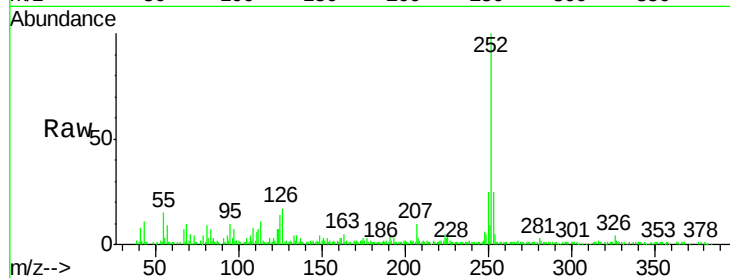
Tgt Ion:252 Resp: 92578

Ion Ratio Lower Upper

252 100

253 24.5 18.2 27.2

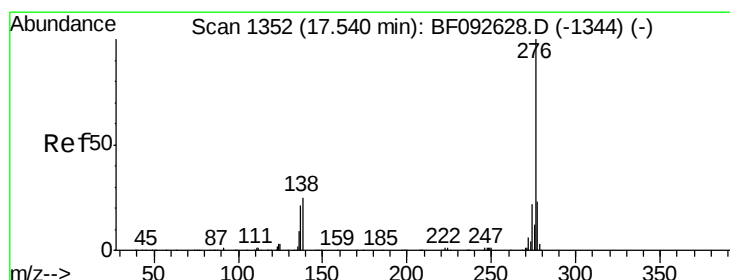
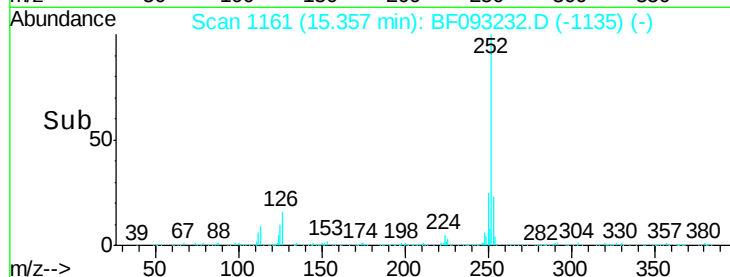
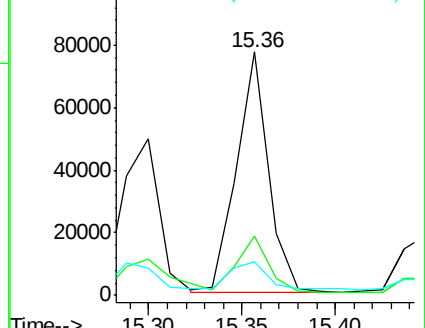
125 13.6 10.0 15.0



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



#91

Benzo(g,h,i)perylene

Concen: 4.08 ng

RT: 17.23 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF093232.D

Acq: 28 Feb 2017 3:59

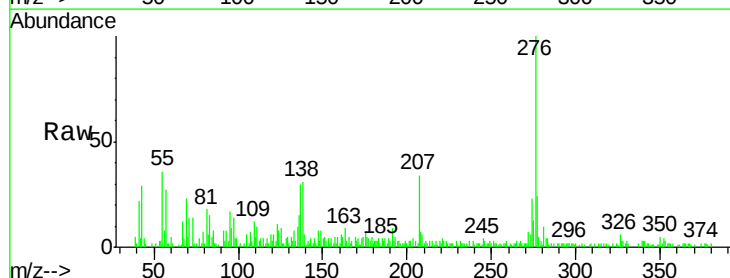
Tgt Ion:276 Resp: 51507

Ion Ratio Lower Upper

276 100

277 24.1 19.2 28.8

138 30.8 16.0 24.0#



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

