

Data Path : Z:\HPCHEM1\BNA E\DATA\BE071917\
 Data File : BE093480.D
 Acq On : 19 Jul 2017 12:14
 Operator : SJ/JU
 Sample : PB100678BSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 20 12:00:46 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE070217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 03 06:40:23 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	5258	0.40	ng	0.00
7) Naphthalene-d8	10.72	136	22330	0.40	ng	0.00
13) Acenaphthene-d10	14.54	164	10780	0.40	ng	0.00
19) Phenanthrene-d10	17.27	188	18911	0.40	ng	0.00
27) Chrysene-d12	21.42	240	37370	0.40	ng	-0.01
34) Perylene-d12	23.93	264	23812	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.53	112	4774	0.30	ng	0.00
5) Phenol-d6	7.10	99	6539	0.28	ng	0.00
8) Nitrobenzene-d5	9.08	82	5226	0.37	ng	0.00
11) 2-Methylnaphthalene-d10	12.30	152	9848	0.28	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	559	0.16	ng	0.00
15) 2-Fluorobiphenyl	13.16	172	14143	0.34	ng	-0.01
25) Fluoranthene-d10	19.28	212	104626	0.46	ng	0.00
29) Terphenyl-d14	19.87	244	19493	0.29	ng	0.00

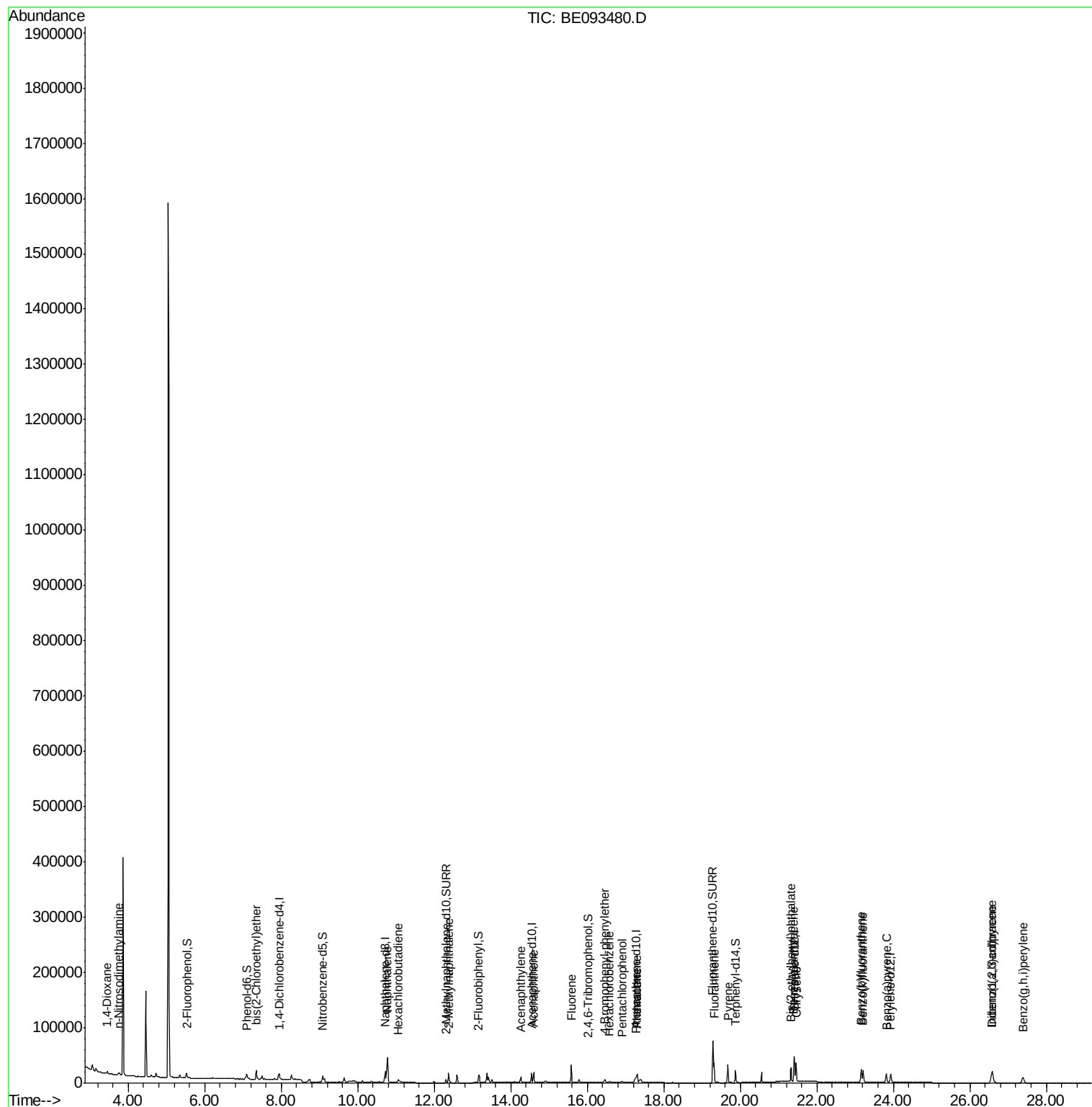
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.45	88	2315	0.208	ng	# 1
3) n-Nitrosodimethylamine	3.75	42	2817	0.470	ng	# 84
6) bis(2-Chloroethyl)ether	7.35	93	5659	0.321	ng	# 97
9) Naphthalene	10.77	128	71122	0.304	ng	# 73
10) Hexachlorobutadiene	11.06	225	2726	0.307	ng	99
12) 2-Methylnaphthalene	12.38	142	11641	0.296	ng	96
16) Acenaphthylene	14.26	152	12736	0.284	ng	# 88
17) Acenaphthene	14.60	154	10172	0.309	ng	98
18) Fluorene	15.58	166	13158	0.291	ng	# 87
20) 4-Bromophenyl-phenylether	16.45	248	5055	0.487	ng	# 1
21) Hexachlorobenzene	16.58	284	4365	0.390	ng	# 100
22) Pentachlorophenol	16.91	266	2102	1.284	ng	# 79
23) Phenanthrene	17.30	178	24989	0.364	ng	96
24) Anthracene	17.30	178	25531	0.606	ng	# 91
26) Fluoranthene	19.31	202	31017	0.480	ng	99
28) Pyrene	19.67	202	29821	0.284	ng	# 98
30) Benzo(a)anthracene	21.40	228	31265	0.310	ng	95
31) Chrysene	21.46	228	34881	0.331	ng	96
32) Bis(2-ethylhexyl)phthalate	21.33	149	33674	0.232	ng	# 66
33) Indeno(1,2,3-cd)pyrene	26.57	276	29471	0.318	ng	95
35) Benzo(b)fluoranthene	23.16	252	31790	0.413	ng	# 95
36) Benzo(k)fluoranthene	23.21	252	31657	0.416	ng	# 95
37) Benzo(a)pyrene	23.82	252	24520	0.364	ng	# 95
38) Dibenzo(a,h)anthracene	26.59	278	26995	0.413	ng	# 90
39) Benzo(g,h,i)perylene	27.38	276	25719	0.389	ng	92

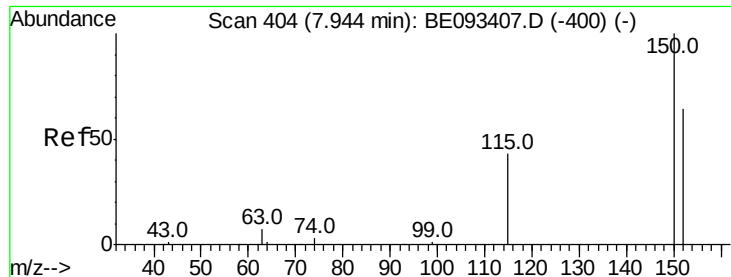
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.95 min Scan# 404

Delta R.T. 0.00 min

Lab File: BE093480.D

Acq: 19 Jul 2017 12:14

Instrument :

BNA_E

ClientSampleId :

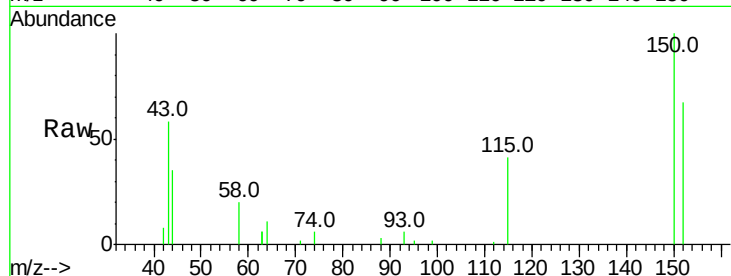
Tot Ion:152 Resp: 5258

Ion Ratio Lower Upper

152 100

150 149.8 125.1 187.7

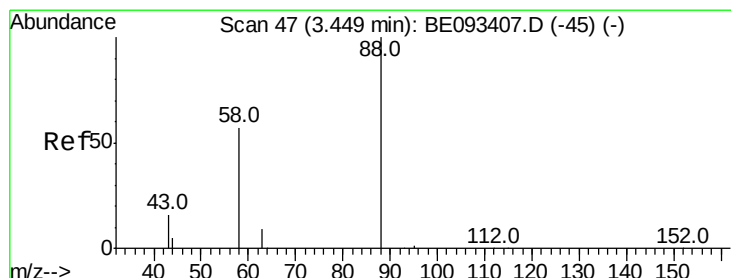
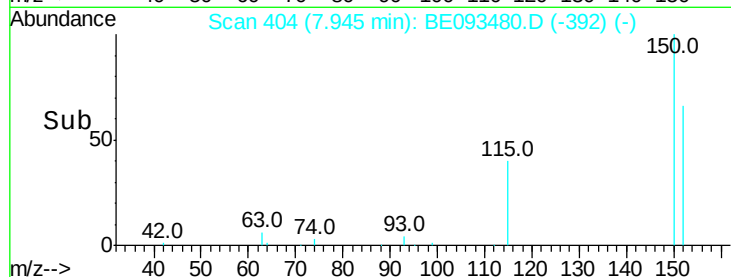
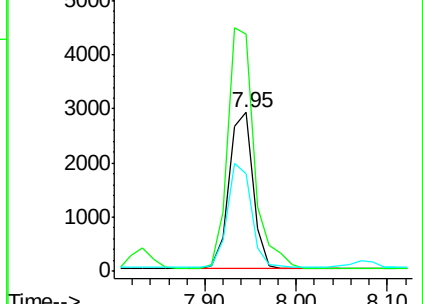
115 61.4 55.7 83.5



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



#2

1,4-Dioxane

Concen: 0.208 ng

RT: 3.45 min Scan# 47

Delta R.T. 0.00 min

Lab File: BE093480.D

Acq: 19 Jul 2017 12:14

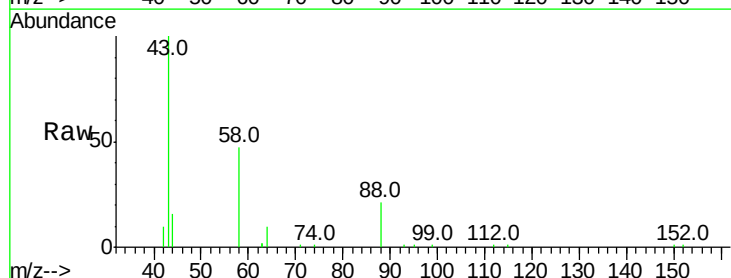
Tgt Ion: 88 Resp: 2315

Ion Ratio Lower Upper

88 100

58 158.1 62.2 93.4#

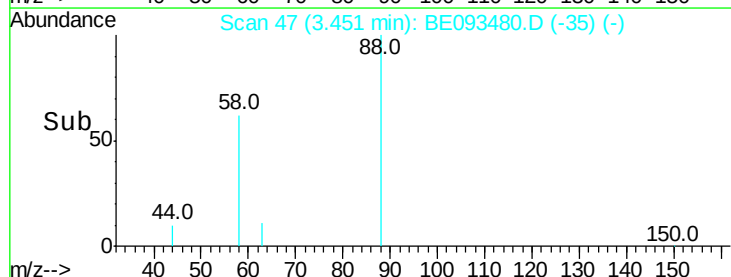
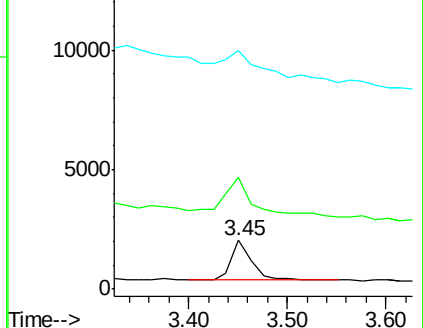
43 159.3 23.2 34.8#

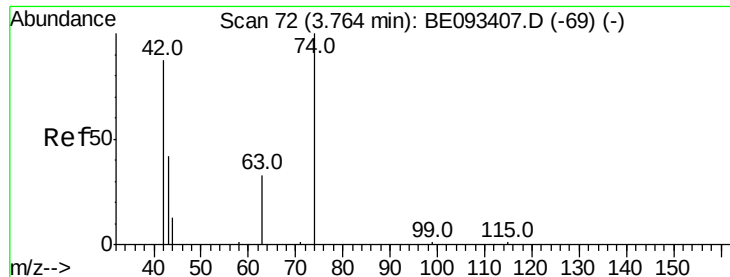


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



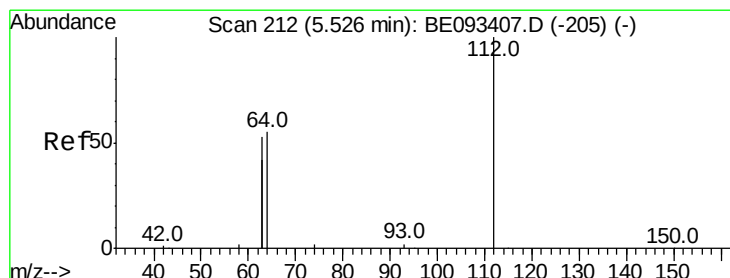
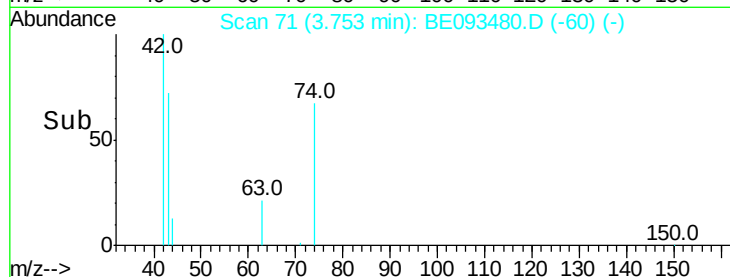
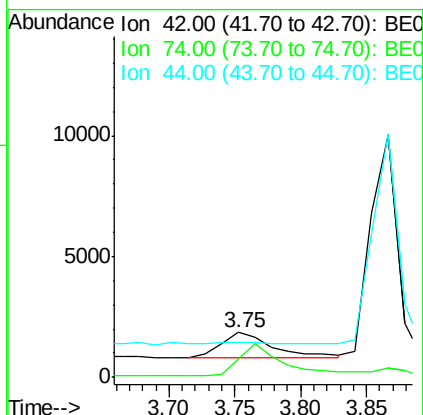
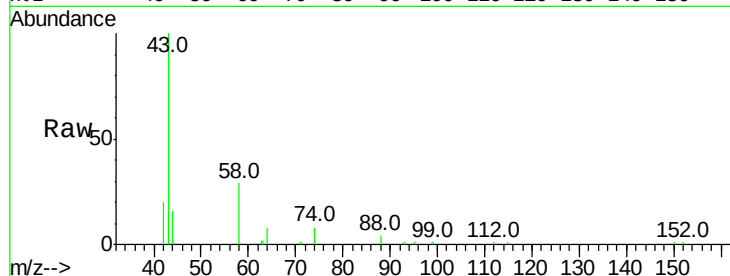


#3

n-Nitrosodimethylamine
 Concen: 0.470 ng
 RT: 3.75 min Scan# 71
 Delta R.T. -0.01 min
 Lab File: BE093480.D
 Acq: 19 Jul 2017 12:14

Instrument :
 BNA_E
 ClientSampleId :

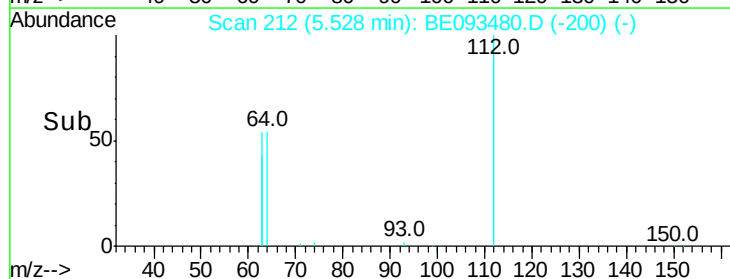
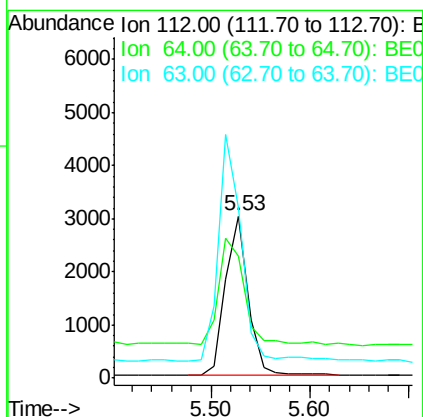
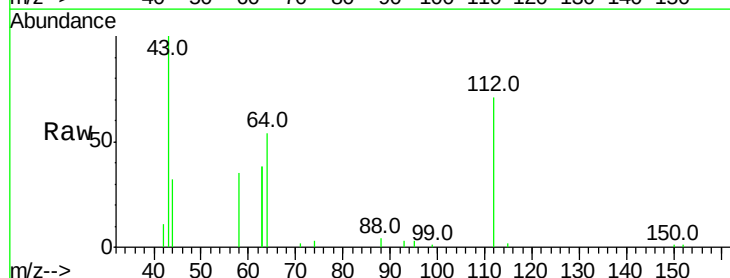
Tot Ion: 42 Resp: 2817
 Ion Ratio Lower Upper
 42 100
 74 105.6 99.1 148.7
 44 15.7 7.4 11.2#

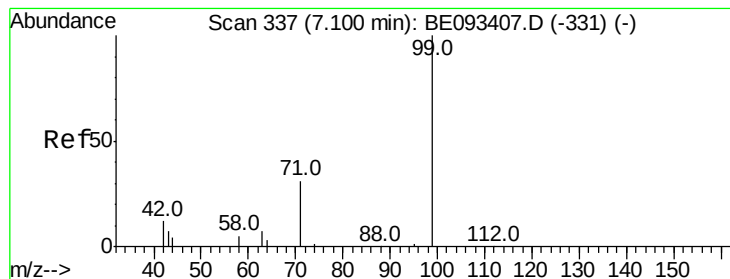


#4

2-Fluorophenol
 Concen: 0.301 ng
 RT: 5.53 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: BE093480.D
 Acq: 19 Jul 2017 12:14

Tgt Ion: 112 Resp: 4774
 Ion Ratio Lower Upper
 112 100
 64 70.7 56.4 84.6
 63 144.4 29.3 43.9#





#5

Phenol-d6

Concen: 0.279 ng

RT: 7.10 min Scan# 337

Delta R.T. 0.00 min

Lab File: BE093480.D

Acq: 19 Jul 2017 12:14

Instrument :

BNA_E

ClientSampled :

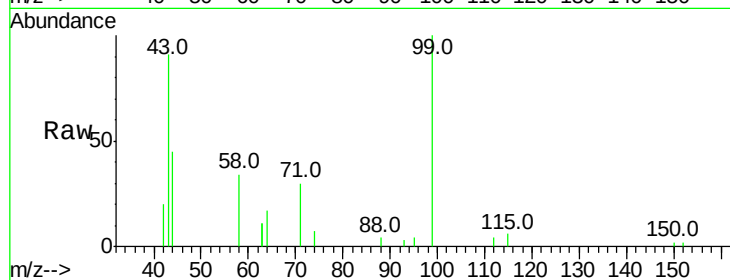
Tot Ion: 99 Resp: 6539

Ion Ratio Lower Upper

99 100

42 21.5 0.0 0.0#

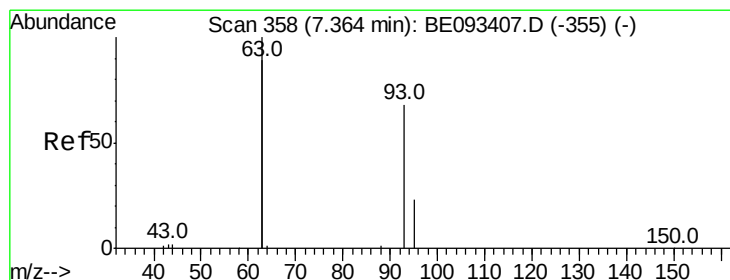
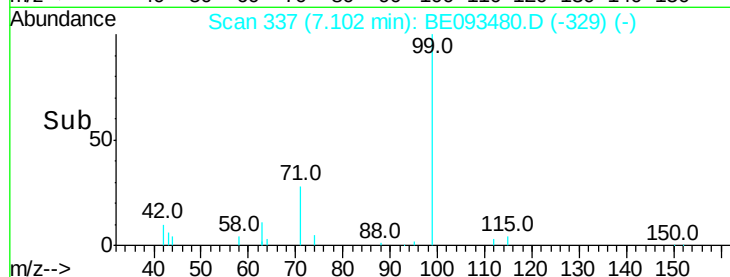
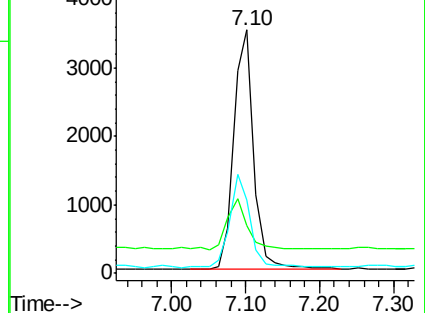
71 38.6 0.0 0.0#



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.321 ng

RT: 7.35 min Scan# 357

Delta R.T. -0.01 min

Lab File: BE093480.D

Acq: 19 Jul 2017 12:14

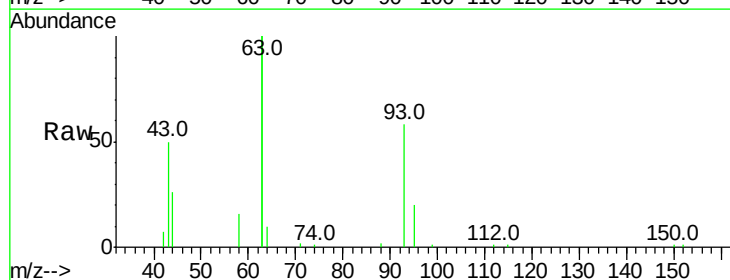
Tgt Ion: 93 Resp: 5659

Ion Ratio Lower Upper

93 100

63 347.6 0.0 0.0#

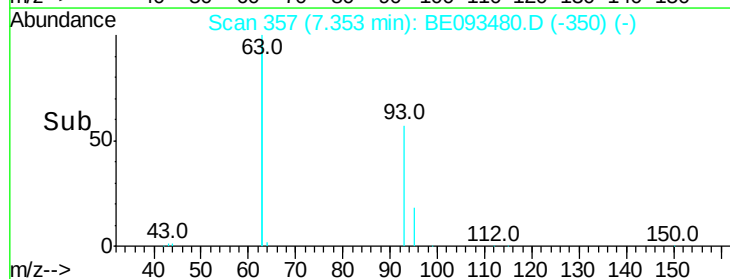
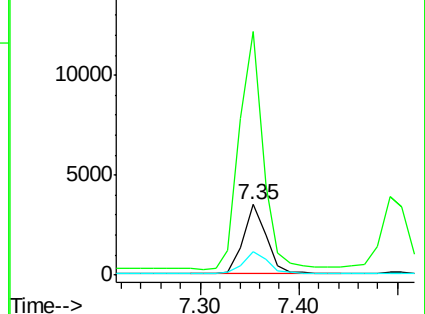
95 33.5 25.4 38.0

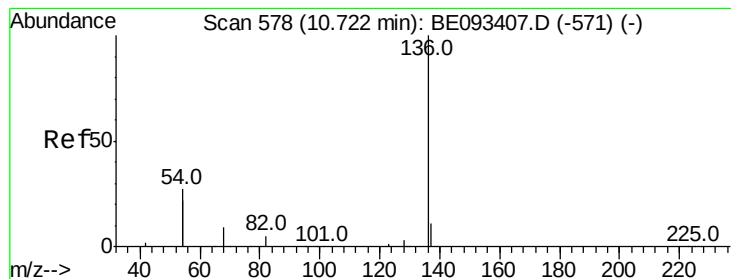


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.72 min Scan# 578

Delta R.T. 0.00 min

Lab File: BE093480.D

Acq: 19 Jul 2017 12:14

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 22330

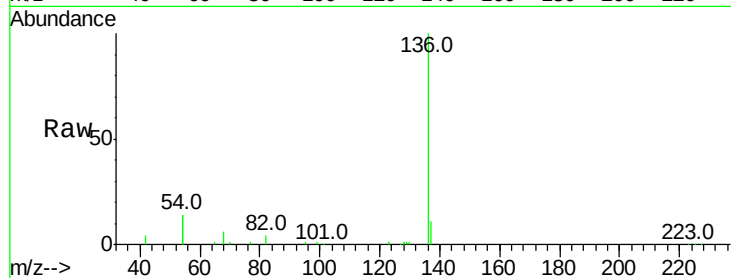
Ion Ratio Lower Upper

136 100

137 11.0 9.8 14.8

54 28.1 10.3 15.5#

68 6.3 9.0 13.4#

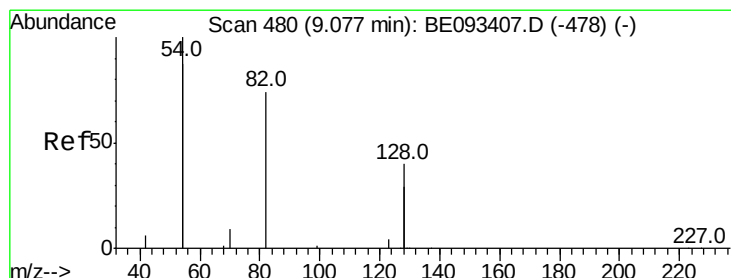
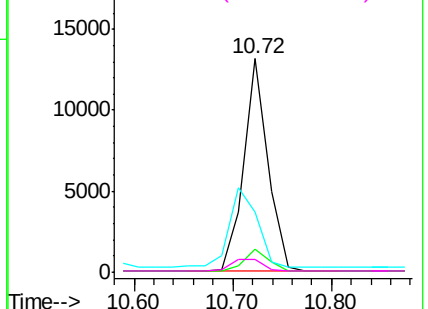
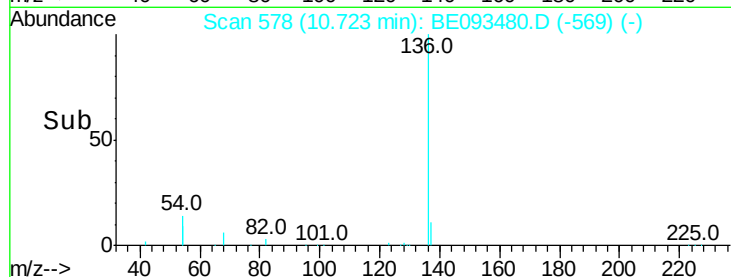


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.366 ng

RT: 9.08 min Scan# 480

Delta R.T. 0.00 min

Lab File: BE093480.D

Acq: 19 Jul 2017 12:14

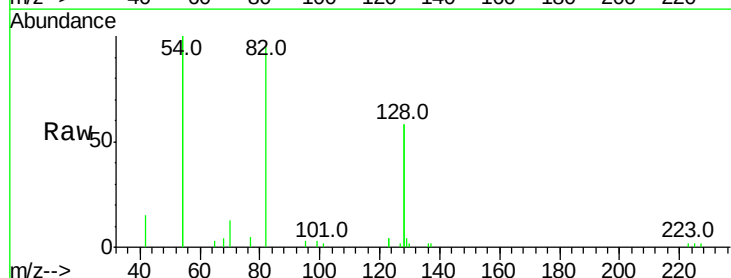
Tgt Ion: 82 Resp: 5226

Ion Ratio Lower Upper

82 100

128 122.5 17.0 25.4#

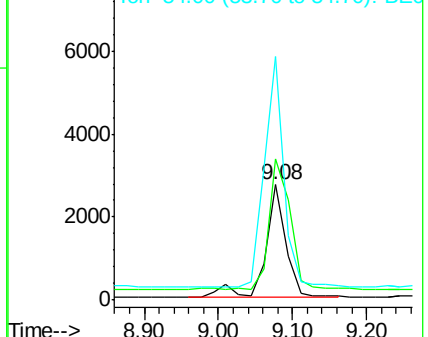
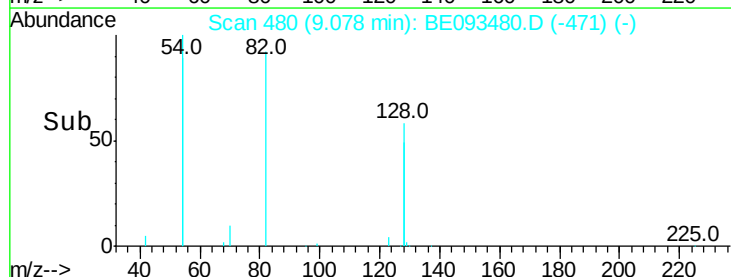
54 211.5 53.8 80.6#

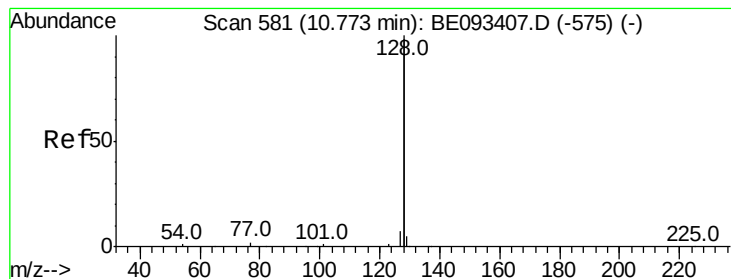


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.304 ng

RT: 10.77 min Scan# 581

Delta R.T. 0.00 min

Lab File: BE093480.D

Acq: 19 Jul 2017 12:14

Instrument :

BNA_E

ClientSampleId :

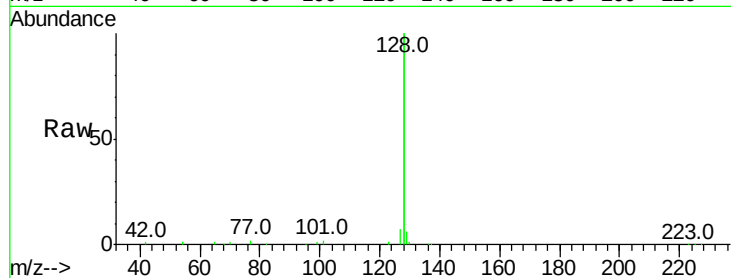
Tot Ion:128 Resp: 71122

Ion Ratio Lower Upper

128 100

129 2.9 11.4 17.0#

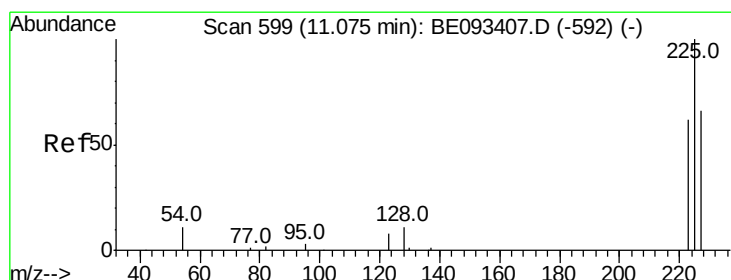
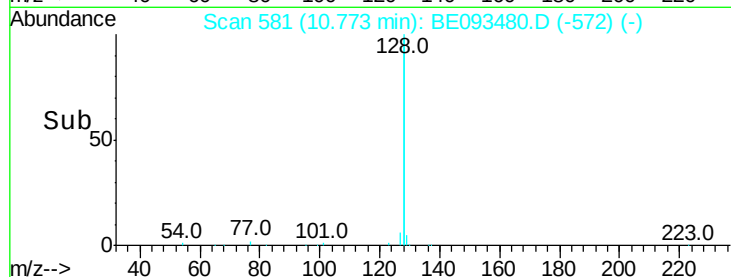
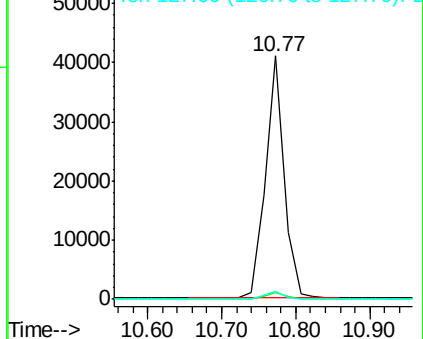
127 3.3 11.2 16.8#



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



#10

Hexachlorobutadiene

Concen: 0.307 ng

RT: 11.06 min Scan# 598

Delta R.T. -0.02 min

Lab File: BE093480.D

Acq: 19 Jul 2017 12:14

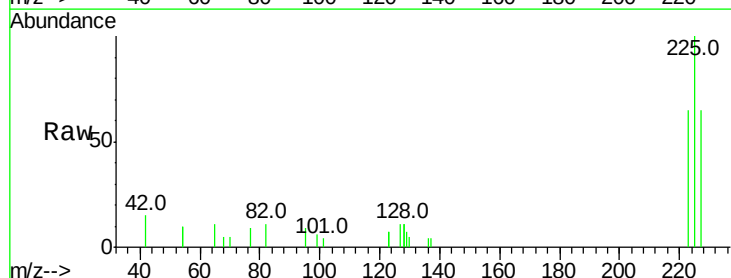
Tgt Ion:225 Resp: 2726

Ion Ratio Lower Upper

225 100

223 62.4 49.7 74.5

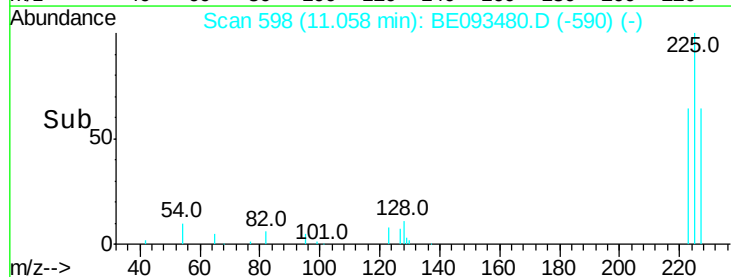
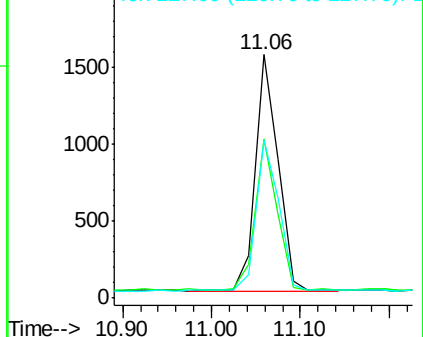
227 64.3 50.3 75.5

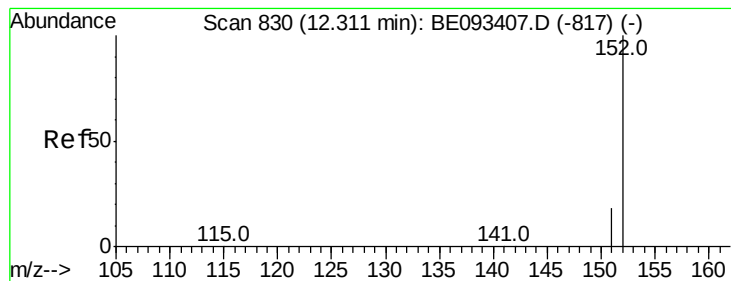


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.276 ng

RT: 12.30 min Scan# 828

Delta R.T. -0.01 min

Lab File: BE093480.D

Acq: 19 Jul 2017 12:14

Instrument :

BNA_E

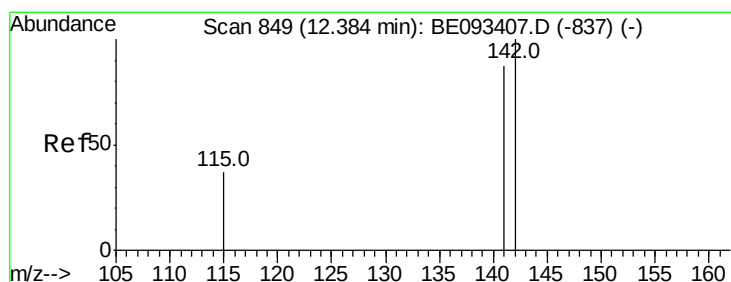
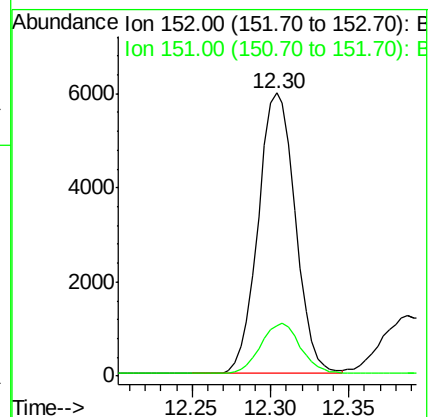
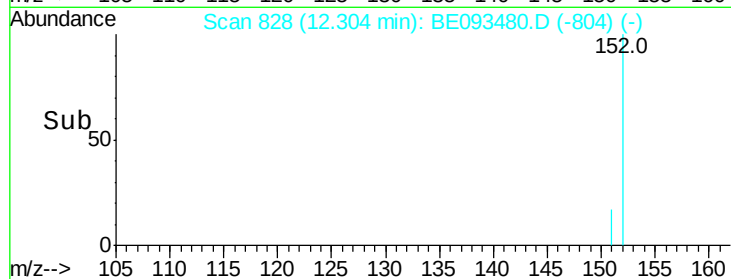
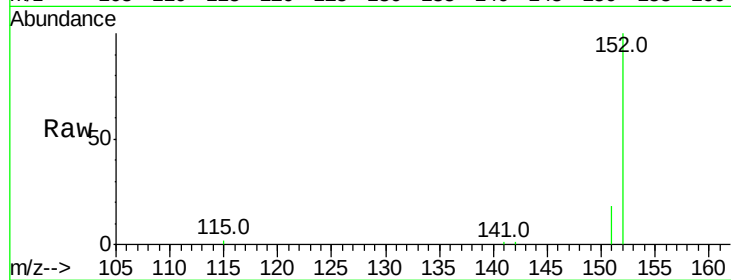
ClientSampleId :

Tot Ion:152 Resp: 9848

Ion Ratio Lower Upper

152 100

151 19.3 15.1 22.7



#12

2-Methylnaphthalene

Concen: 0.296 ng

RT: 12.38 min Scan# 847

Delta R.T. -0.01 min

Lab File: BE093480.D

Acq: 19 Jul 2017 12:14

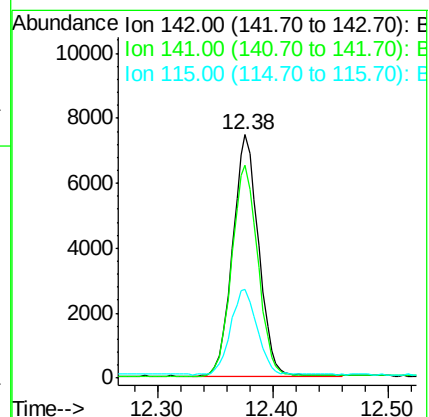
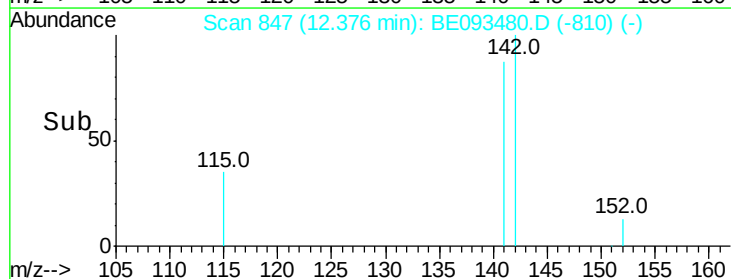
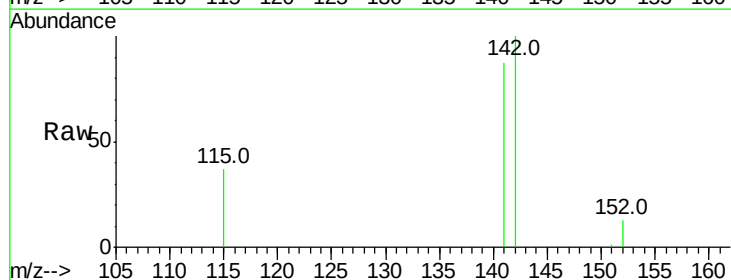
Tgt Ion:142 Resp: 11641

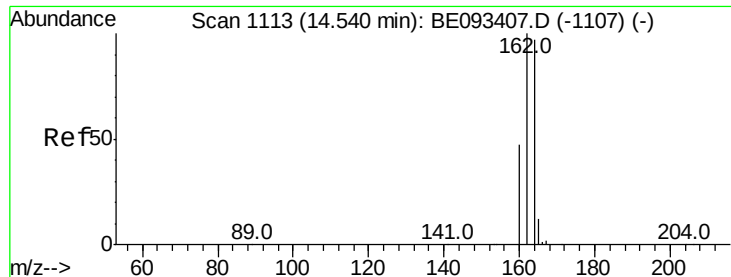
Ion Ratio Lower Upper

142 100

141 87.2 72.6 108.8

115 36.6 32.2 48.2





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.54 min Scan# 1113

Delta R.T. 0.00 min

Lab File: BE093480.D

Acq: 19 Jul 2017 12:14

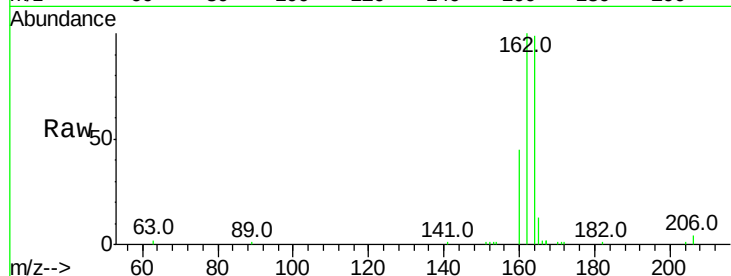
Instrument :

BNA_E

ClientSampleId :

Tot Ion:164 Resp: 10780

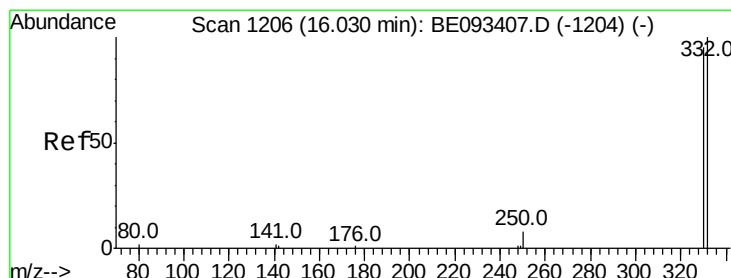
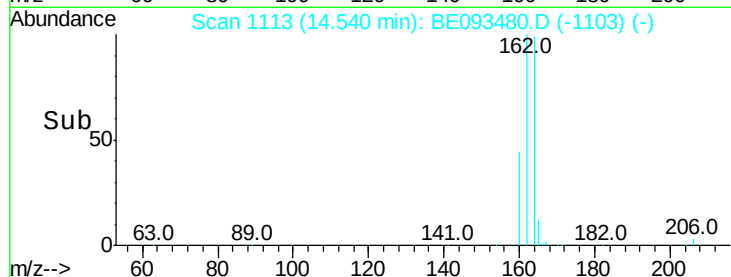
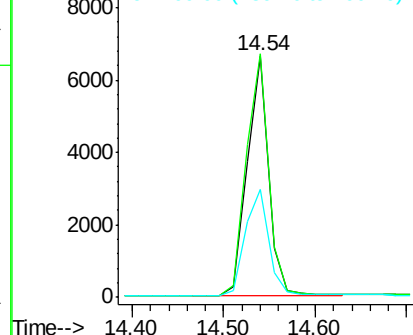
Ion	Ratio	Lower	Upper
164	100		
162	101.0	84.6	127.0
160	44.9	41.8	62.6



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



#14

2,4,6-Tribromophenol

Concen: 0.165 ng

RT: 16.03 min Scan# 1206

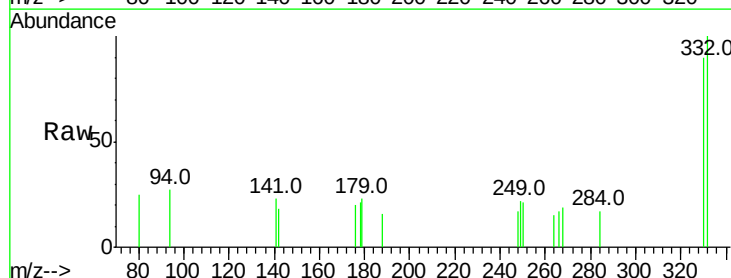
Delta R.T. -0.00 min

Lab File: BE093480.D

Acq: 19 Jul 2017 12:14

Tgt Ion:330 Resp: 559

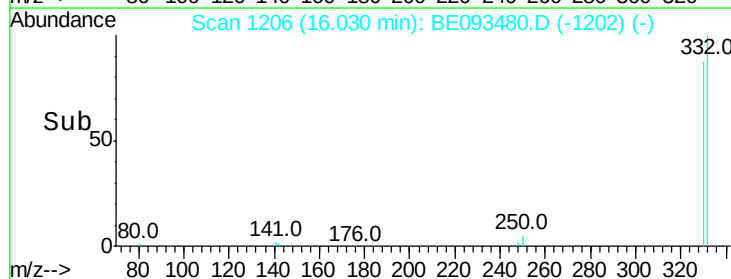
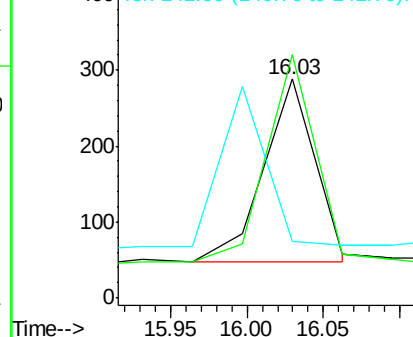
Ion	Ratio	Lower	Upper
330	100		
332	106.6	77.7	116.5
141	0.0	56.2	84.4#

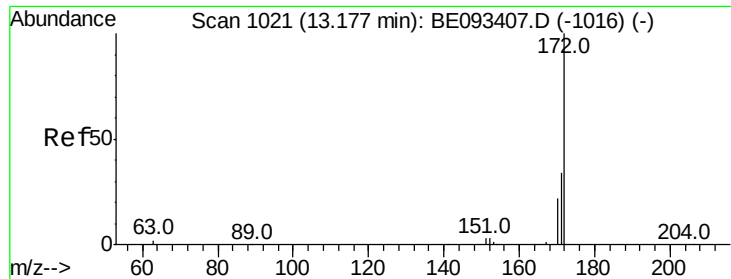


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

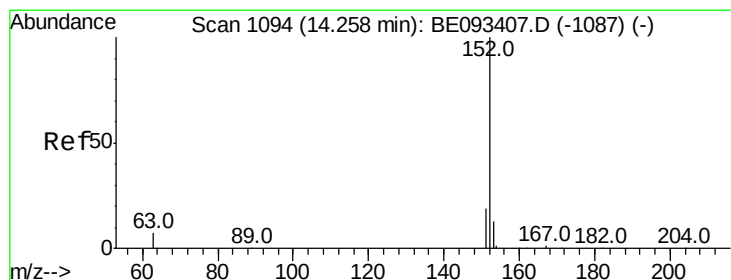
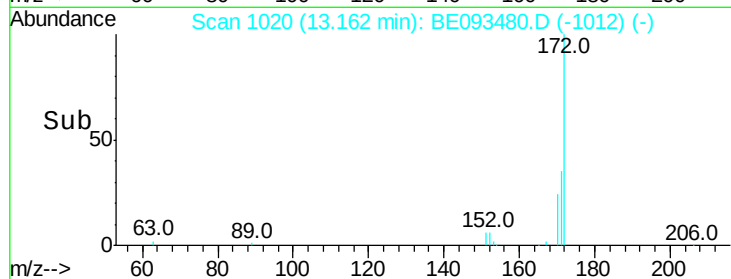
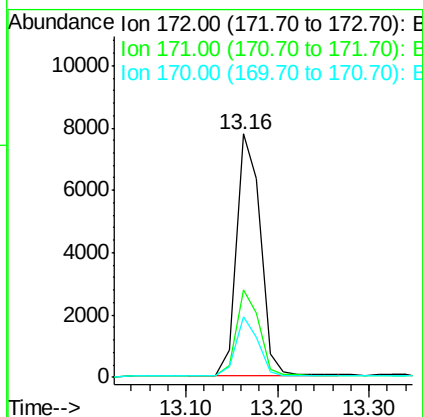
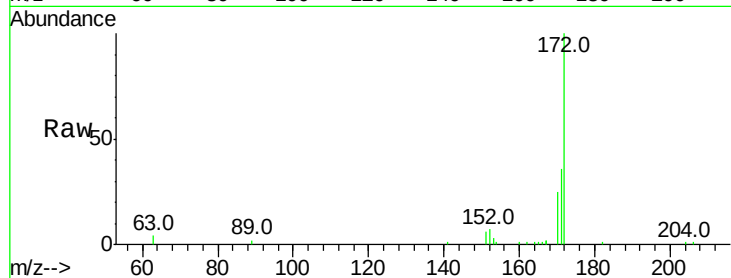




#15
2-Fluorobiphenyl
Concen: 0.338 ng
RT: 13.16 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BE093480.D
Acq: 19 Jul 2017 12:14

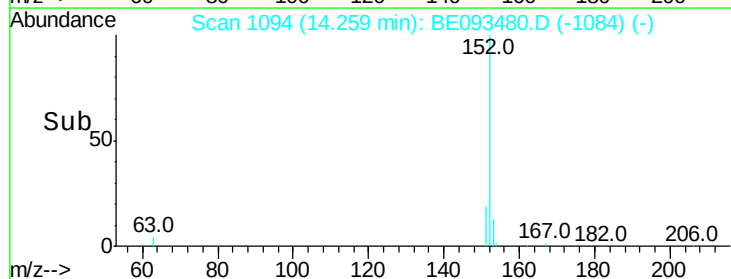
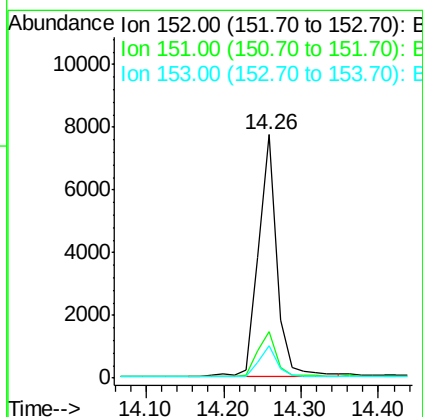
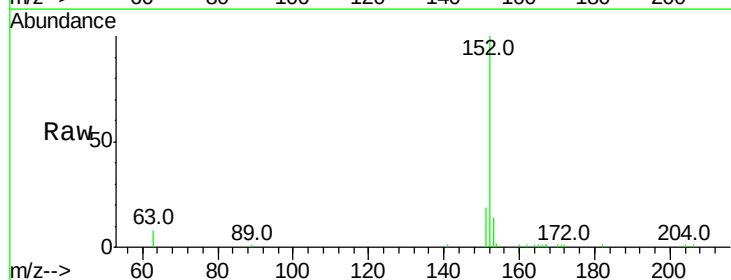
Instrument :
BNA_E
ClientSampleId :

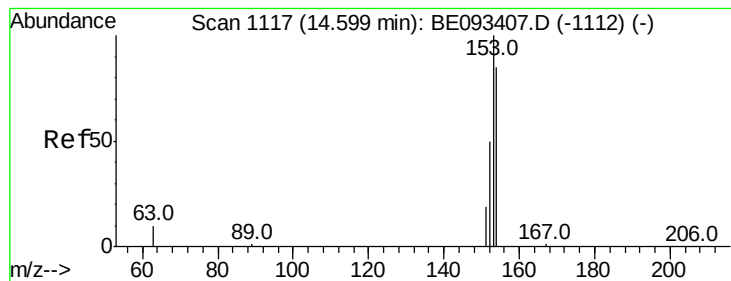
Tot Ion:172 Resp: 14143
Ion Ratio Lower Upper
172 100
171 35.8 29.8 44.6
170 25.0 20.7 31.1



#16
Acenaphthylene
Concen: 0.284 ng
RT: 14.26 min Scan# 1094
Delta R.T. 0.00 min
Lab File: BE093480.D
Acq: 19 Jul 2017 12:14

Tgt Ion:152 Resp: 12736
Ion Ratio Lower Upper
152 100
151 19.0 4.0 6.0#
153 12.6 10.3 15.5





#17

Acenaphthene

Concen: 0.309 ng

RT: 14.60 min Scan# 1117

Delta R.T. 0.00 min

Lab File: BE093480.D

Acq: 19 Jul 2017 12:14

Instrument :

BNA_E

ClientSampled :

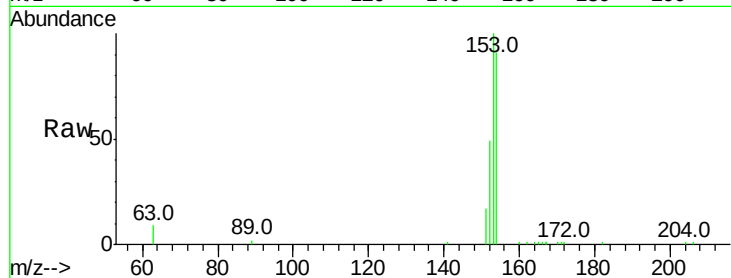
Tot Ion:154 Resp: 10172

Ion Ratio Lower Upper

154 100

153 112.1 91.2 136.8

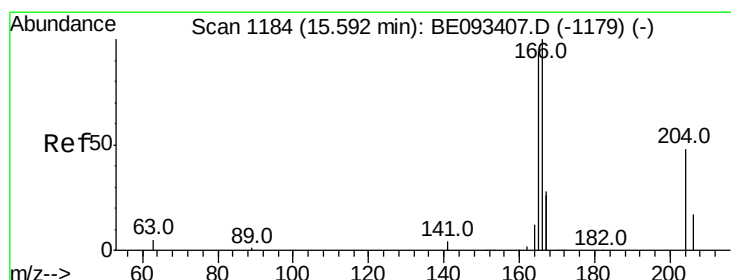
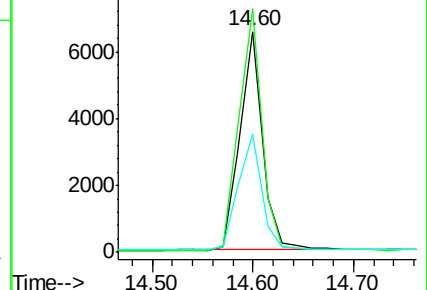
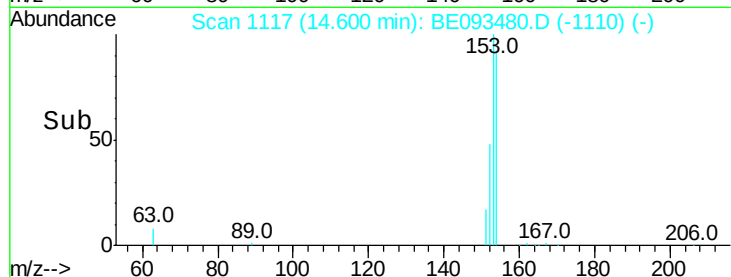
152 55.0 44.8 67.2



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.291 ng

RT: 15.58 min Scan# 1183

Delta R.T. -0.01 min

Lab File: BE093480.D

Acq: 19 Jul 2017 12:14

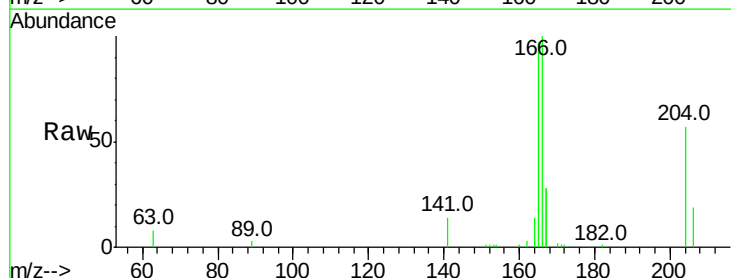
Tgt Ion:166 Resp: 13158

Ion Ratio Lower Upper

166 100

165 98.7 78.6 117.8

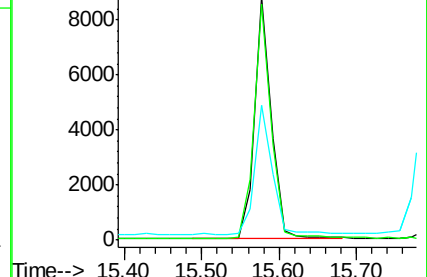
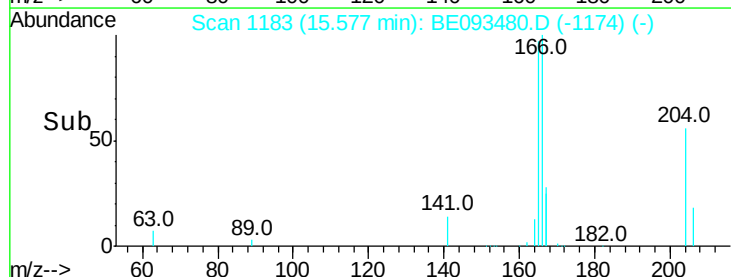
167 55.7 11.1 16.7#

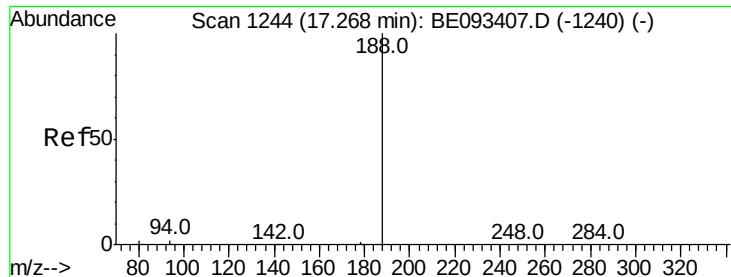


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.27 min Scan# 1244

Delta R.T. -0.00 min

Lab File: BE093480.D

Acq: 19 Jul 2017 12:14

Instrument :

BNA_E

ClientSampleId :

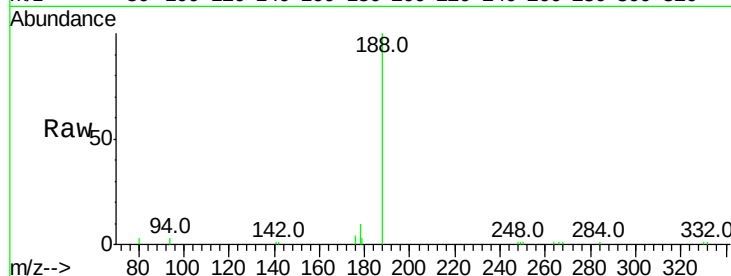
Tot Ion:188 Resp: 18911

Ion Ratio Lower Upper

188 100

94 3.3 11.3 16.9#

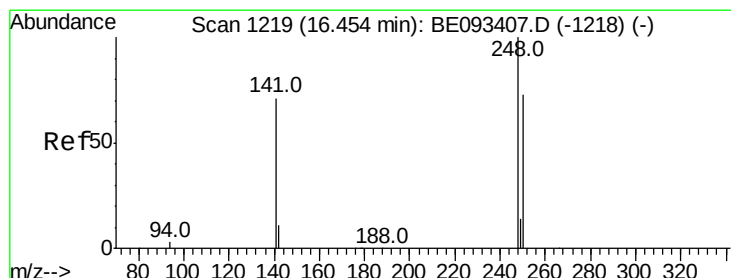
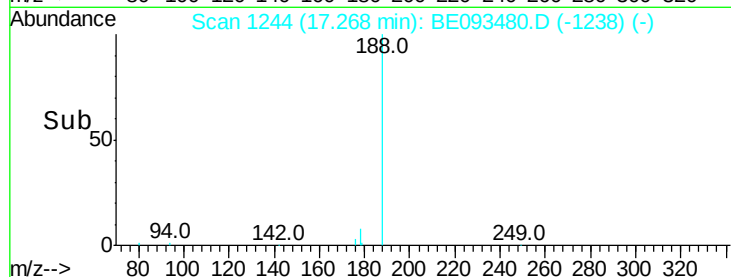
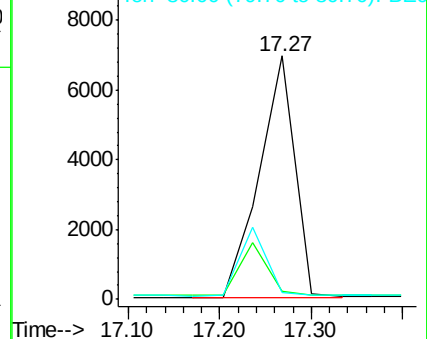
80 2.7 11.7 17.5#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.487 ng

RT: 16.45 min Scan# 1219

Delta R.T. -0.00 min

Lab File: BE093480.D

Acq: 19 Jul 2017 12:14

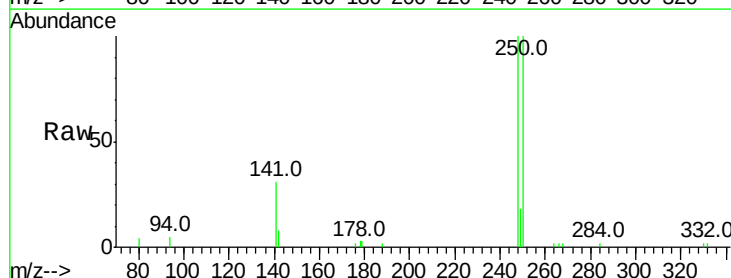
Tgt Ion:248 Resp: 5055

Ion Ratio Lower Upper

248 100

250 99.5 40.8 61.2#

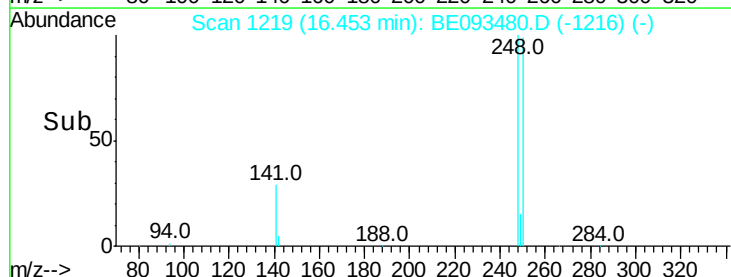
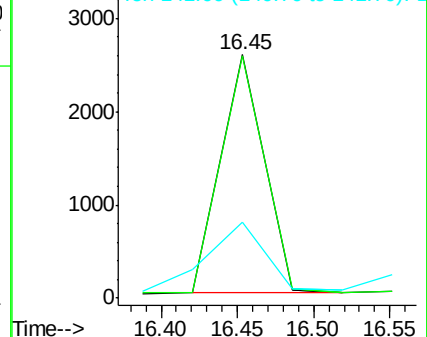
141 31.0 161.6 242.4#

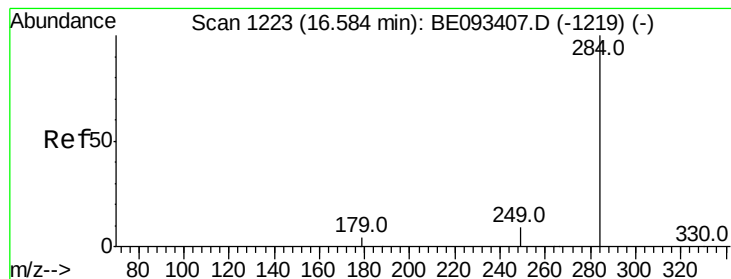


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.390 ng

RT: 16.58 min Scan# 1223

Delta R.T. -0.00 min

Lab File: BE093480.D

Acq: 19 Jul 2017 12:14

Instrument :

BNA_E

ClientSampleId :

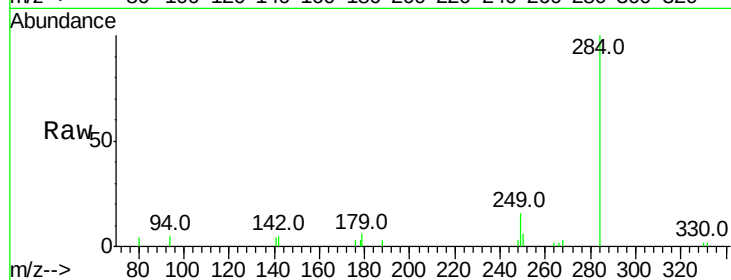
Tot Ion:284 Resp: 4365

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

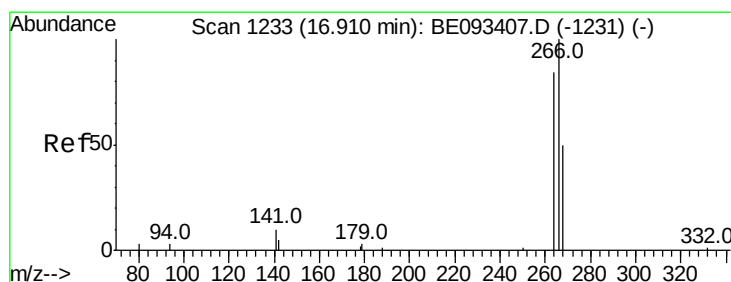
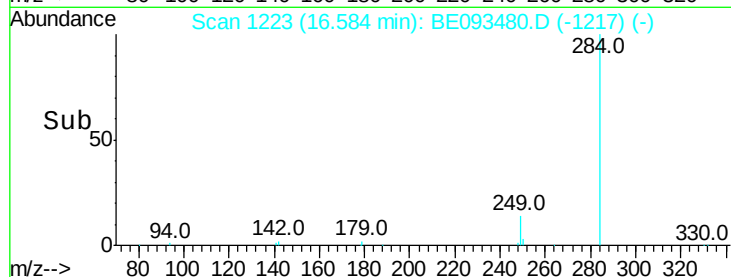
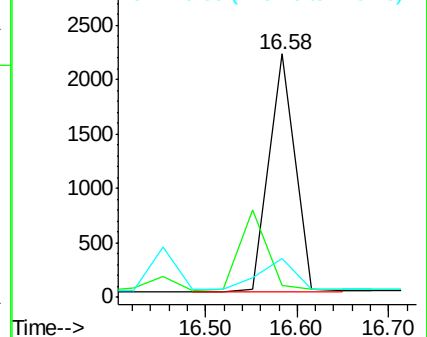
249 18.2 0.0 0.0#



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 1.284 ng

RT: 16.91 min Scan# 1233

Delta R.T. 0.00 min

Lab File: BE093480.D

Acq: 19 Jul 2017 12:14

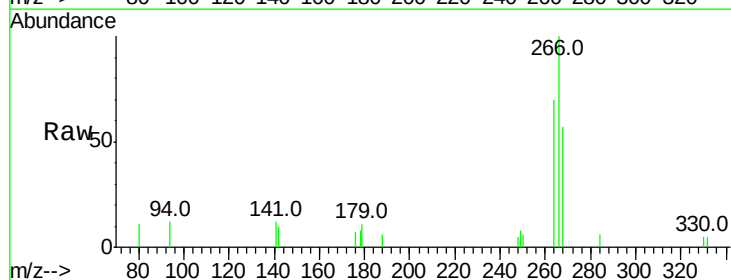
Tgt Ion:266 Resp: 2102

Ion Ratio Lower Upper

266 100

264 70.4 58.2 87.2

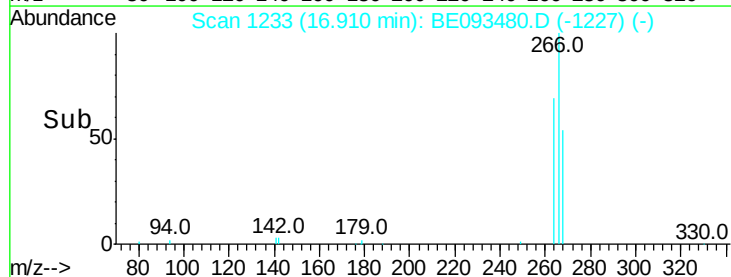
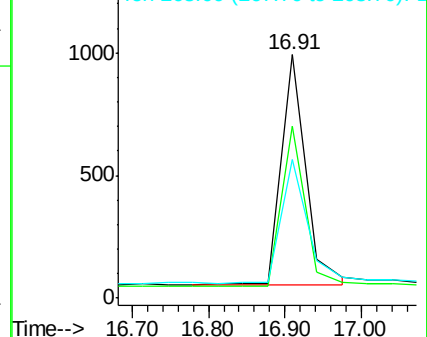
268 56.9 71.9 107.9#

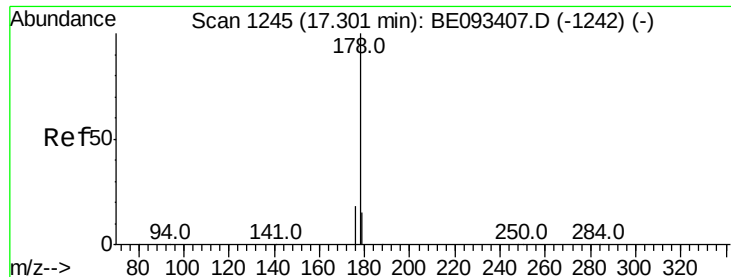


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.364 ng

RT: 17.30 min Scan# 1245

Delta R.T. -0.00 min

Lab File: BE093480.D

Acq: 19 Jul 2017 12:14

Instrument :

BNA_E

ClientSampleId :

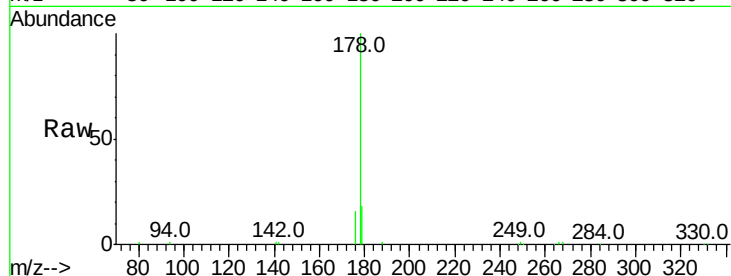
Tot Ion:178 Resp: 24989

Ion Ratio Lower Upper

178 100

176 16.2 15.0 22.4

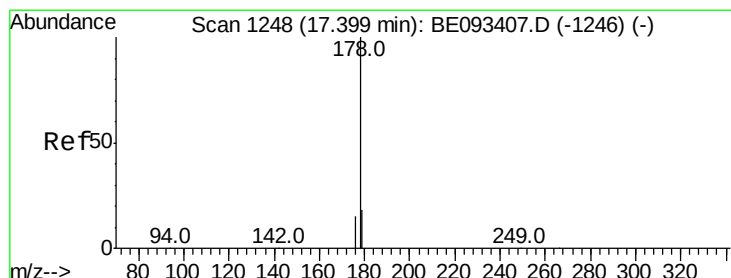
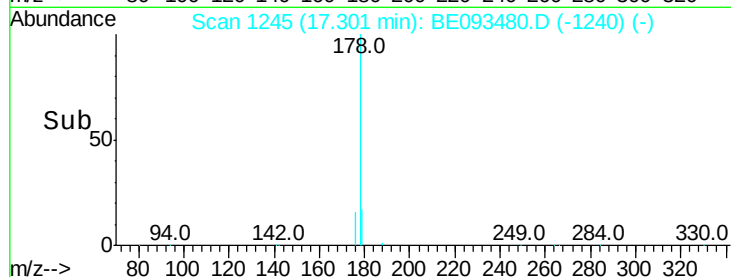
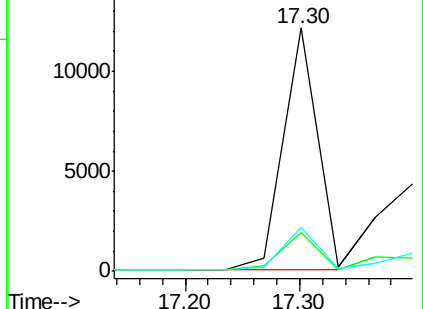
179 17.2 12.7 19.1



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



#24

Anthracene

Concen: 0.606 ng

RT: 17.30 min Scan# 1245

Delta R.T. -0.10 min

Lab File: BE093480.D

Acq: 19 Jul 2017 12:14

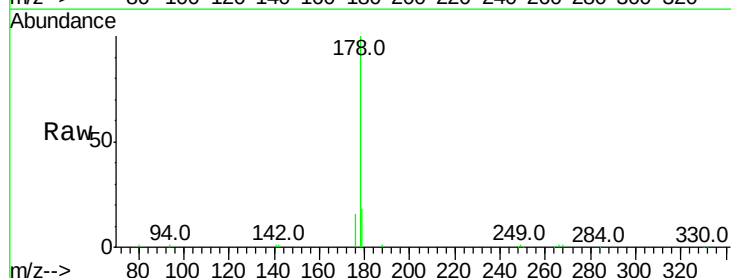
Tgt Ion:178 Resp: 25531

Ion Ratio Lower Upper

178 100

176 23.7 14.6 22.0#

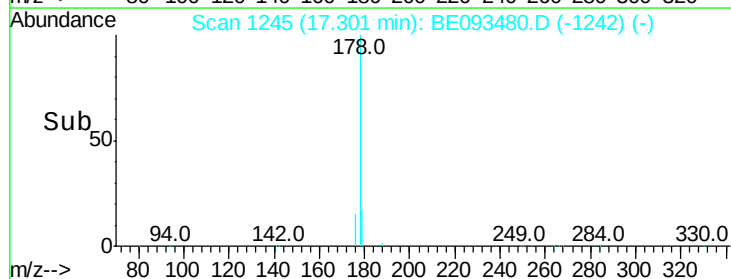
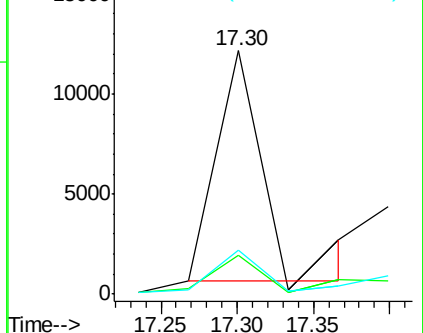
179 16.9 12.0 18.0

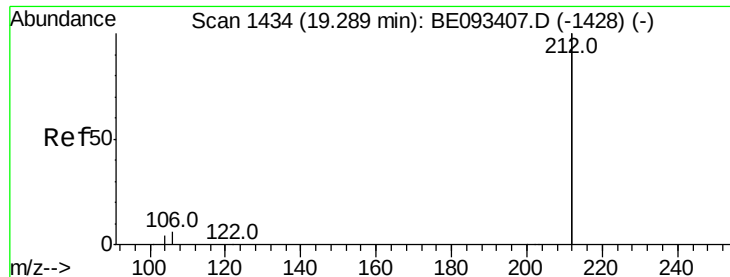


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.459 ng

RT: 19.28 min Scan# 1433

Delta R.T. -0.01 min

Lab File: BE093480.D

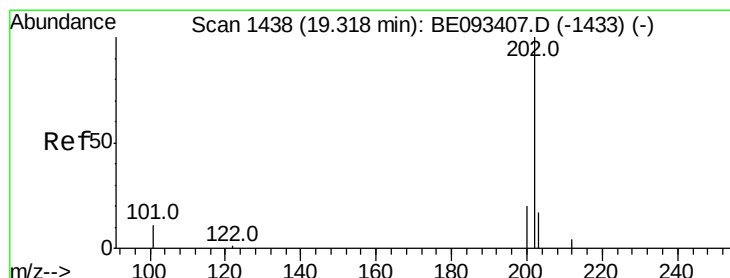
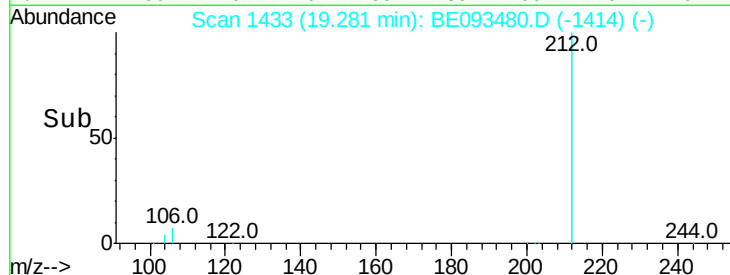
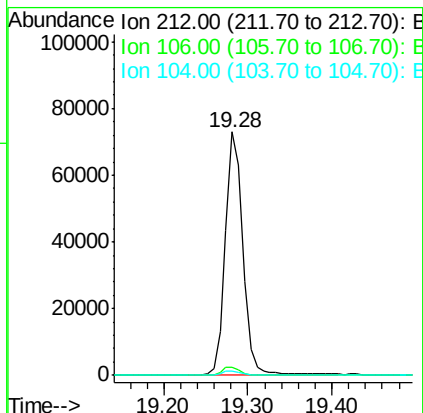
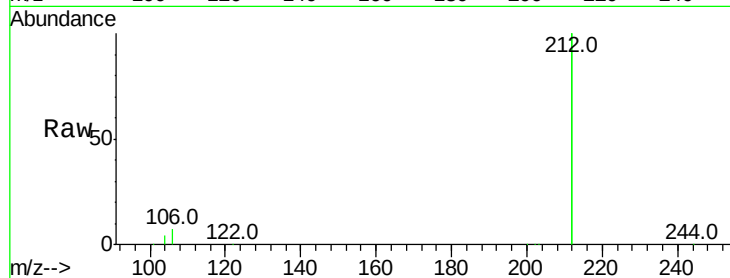
Acq: 19 Jul 2017 12:14

Instrument :

BNA_E

ClientSampleId :

Tot Ion:212	Resp:	104626
Ion Ratio	Lower	Upper
212	100	
106	3.5	2.4 3.6
104	2.0	1.6 2.4



#26

Fluoranthene

Concen: 0.480 ng

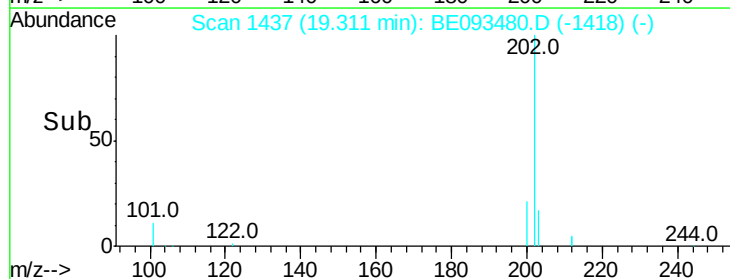
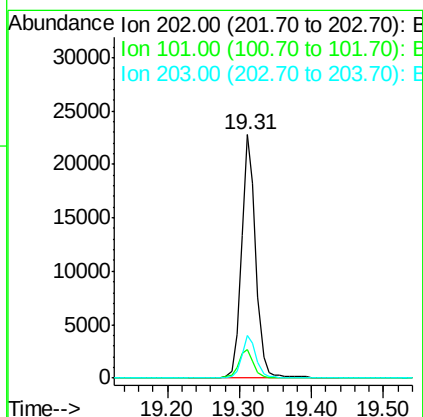
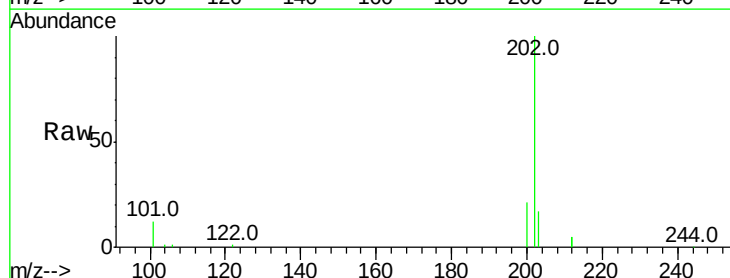
RT: 19.31 min Scan# 1437

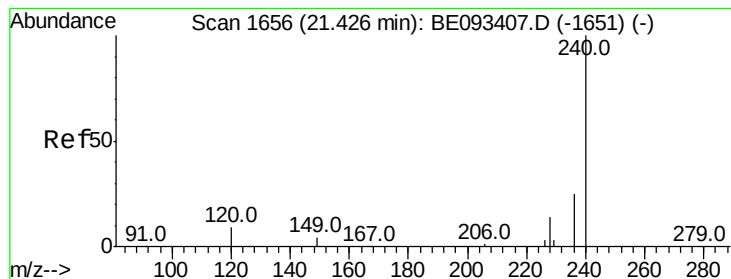
Delta R.T. -0.01 min

Lab File: BE093480.D

Acq: 19 Jul 2017 12:14

Tgt Ion:202	Resp:	31017
Ion Ratio	Lower	Upper
202	100	
101	11.9	9.6 14.4
203	17.1	14.4 21.6





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.42 min Scan# 1655

Delta R.T. -0.01 min

Lab File: BE093480.D

Acq: 19 Jul 2017 12:14

Instrument :

BNA_E

ClientSampleId :

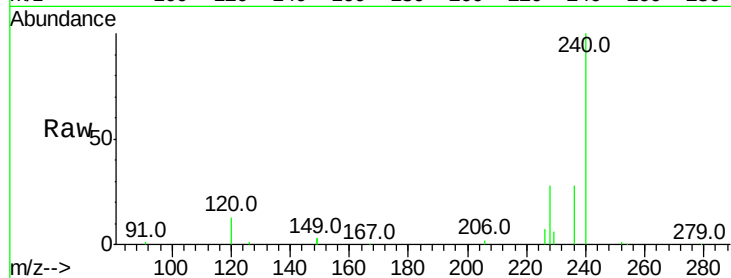
Tot Ion:240 Resp: 37370

Ion Ratio Lower Upper

240 100

120 12.9 4.6 7.0#

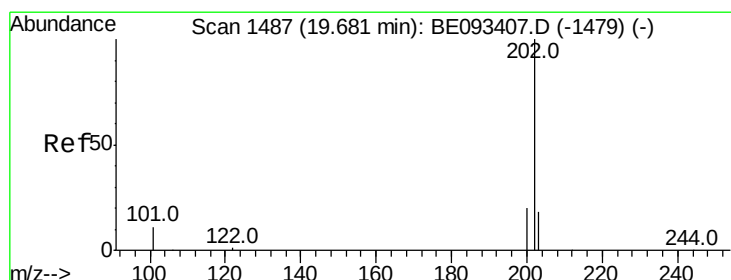
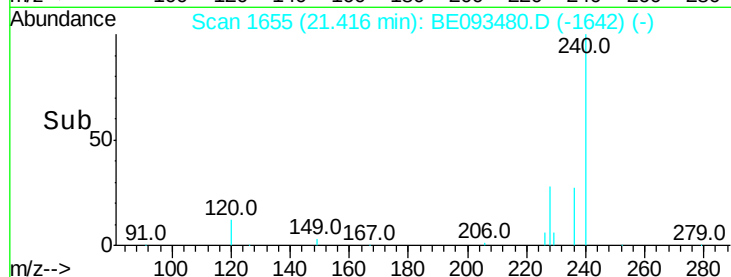
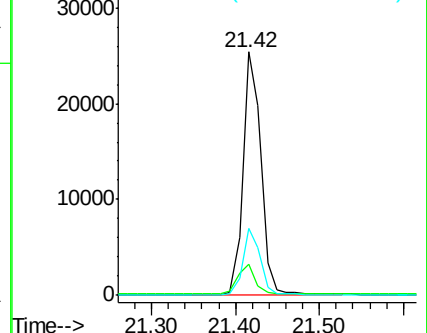
236 27.5 20.8 31.2



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



#28

Pyrene

Concen: 0.284 ng

RT: 19.67 min Scan# 1486

Delta R.T. -0.01 min

Lab File: BE093480.D

Acq: 19 Jul 2017 12:14

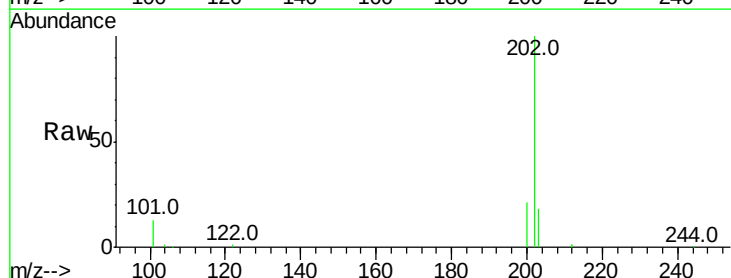
Tgt Ion:202 Resp: 29821

Ion Ratio Lower Upper

202 100

200 20.7 0.0 0.0#

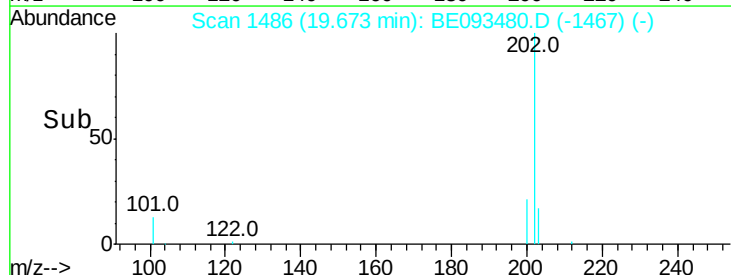
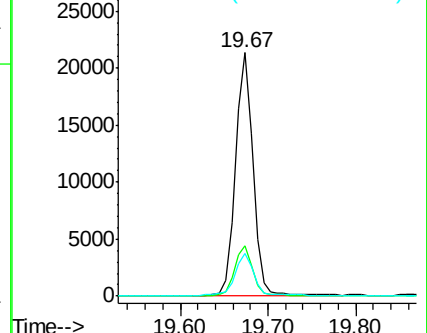
203 18.2 13.7 20.5

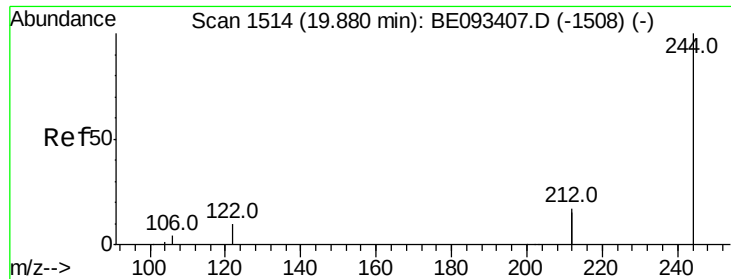


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.292 ng

RT: 19.87 min Scan# 1513

Delta R.T. -0.01 min

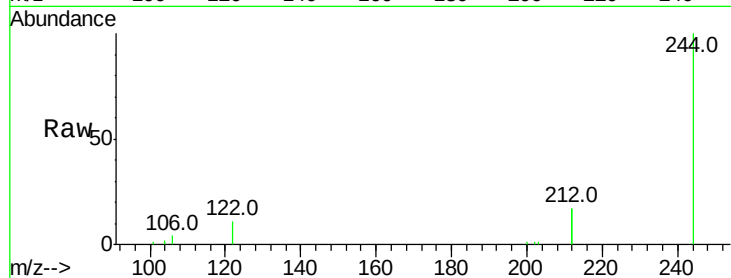
Lab File: BE093480.D

Acq: 19 Jul 2017 12:14

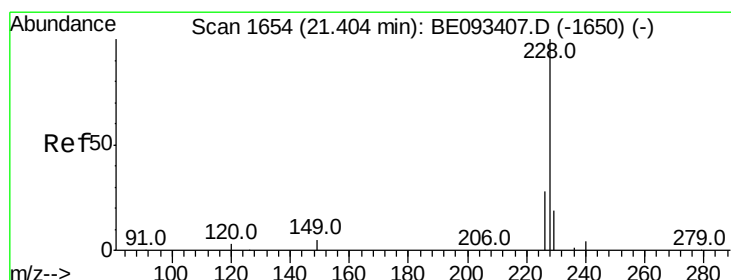
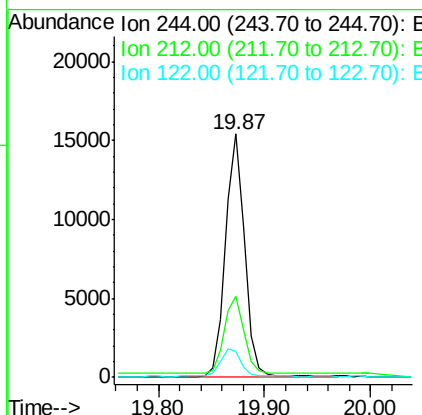
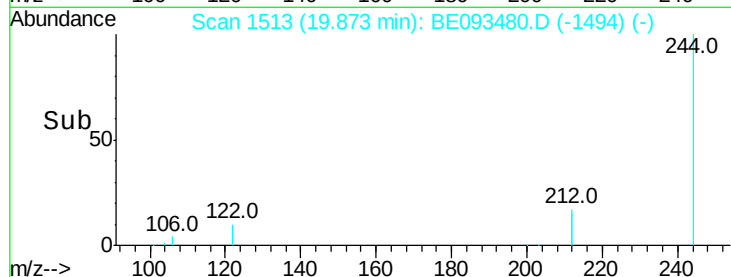
Instrument :

BNA_E

ClientSampled :



Tot Ion:	244	Resp:	19493
Ion	Ratio	Lower	Upper
244	100		
212	33.3	10.6	16.0#
122	10.8	15.4	23.0#



#30

Benzo(a)anthracene

Concen: 0.310 ng

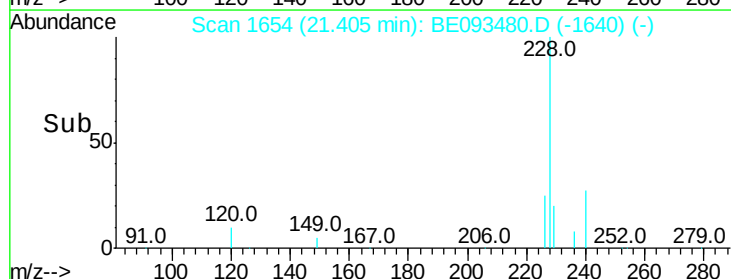
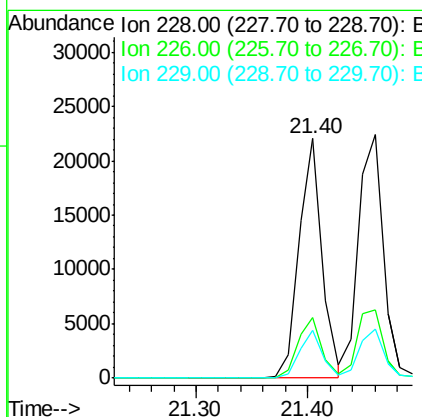
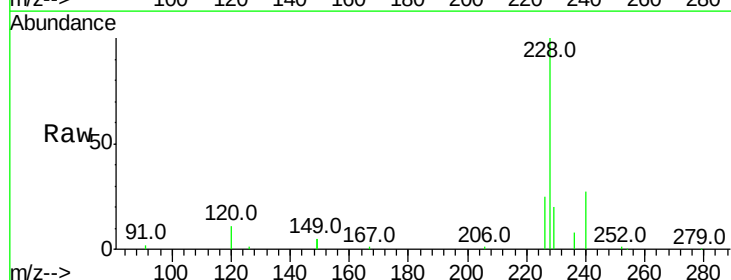
RT: 21.40 min Scan# 1654

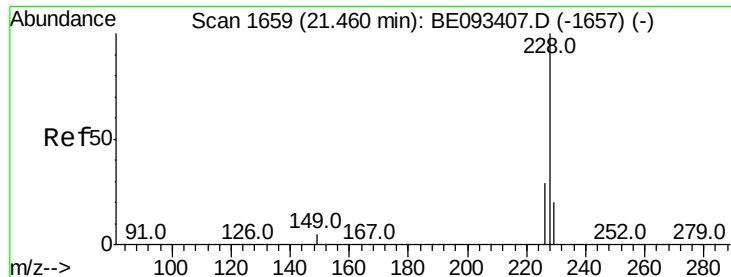
Delta R.T. 0.00 min

Lab File: BE093480.D

Acq: 19 Jul 2017 12:14

Tgt Ion:	228	Resp:	31265
Ion	Ratio	Lower	Upper
228	100		
226	25.3	19.7	29.5
229	19.9	19.2	28.8





#31

Chrysene

Concen: 0.331 ng

RT: 21.46 min Scan# 1659

Delta R.T. 0.00 min

Lab File: BE093480.D

Acq: 19 Jul 2017 12:14

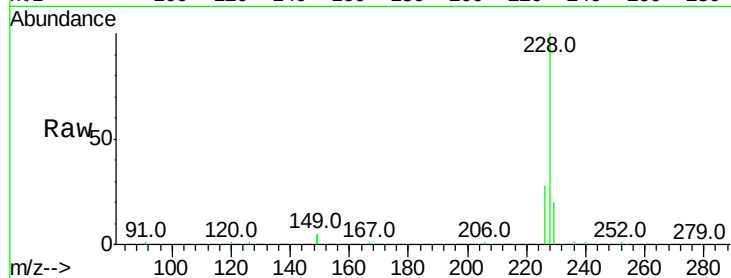
Instrument :

BNA_E

ClientSampleId :

Tot Ion:228 Resp: 34881

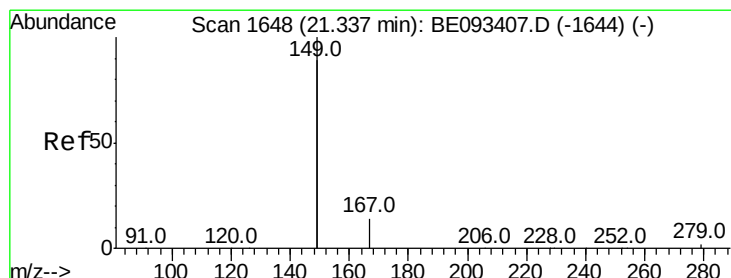
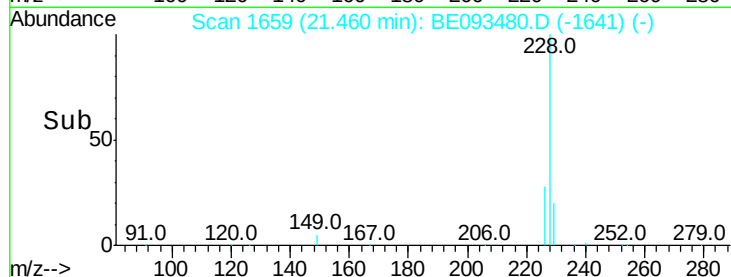
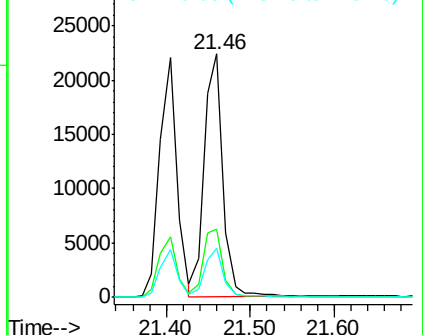
Ion	Ratio	Lower	Upper
228	100		
226	28.1	21.5	32.3
229	20.3	18.6	28.0



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.232 ng

RT: 21.33 min Scan# 1647

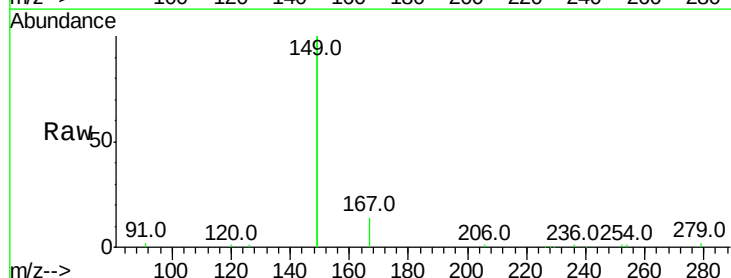
Delta R.T. -0.01 min

Lab File: BE093480.D

Acq: 19 Jul 2017 12:14

Tgt Ion:149 Resp: 33674

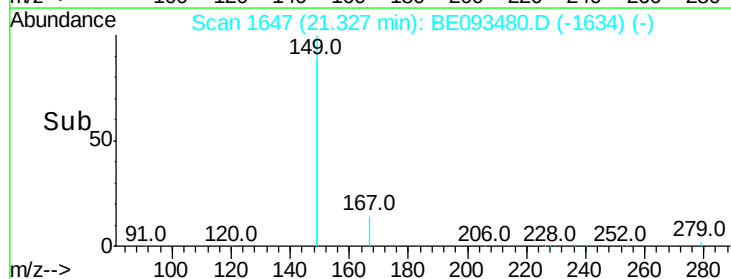
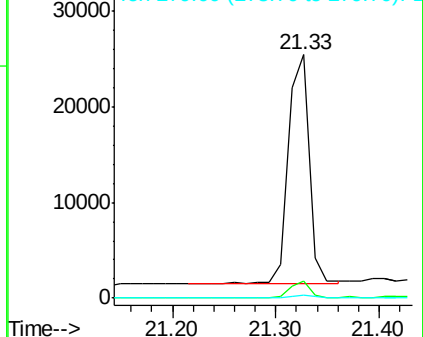
Ion	Ratio	Lower	Upper
149	100		
167	6.5	20.1	30.1#
279	0.9	2.2	3.4#

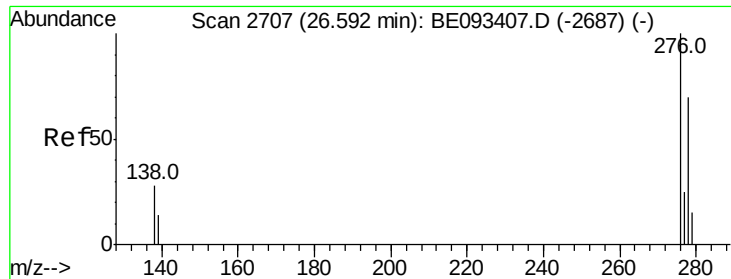


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

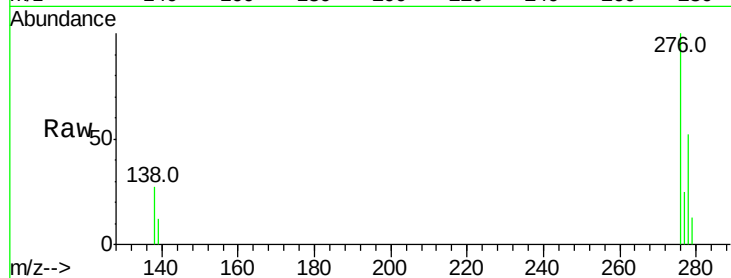




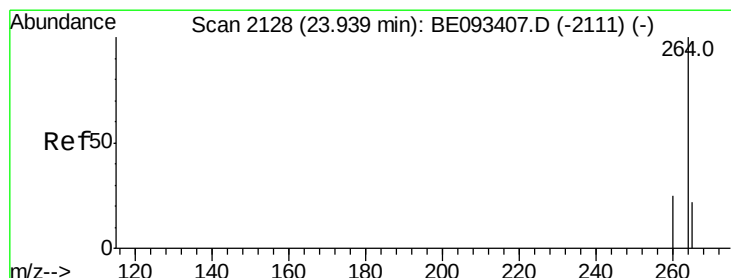
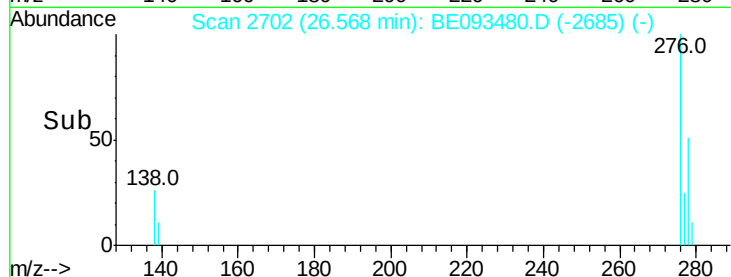
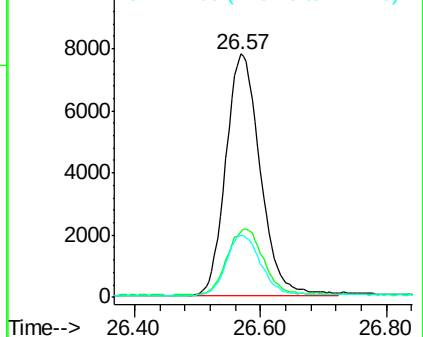
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.318 ng
 RT: 26.57 min Scan# 2702
 Delta R.T. -0.02 min
 Lab File: BE093480.D
 Acq: 19 Jul 2017 12:14

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:276 Resp: 29471
 Ion Ratio Lower Upper
 276 100
 138 28.9 27.4 41.2
 277 25.1 20.1 30.1

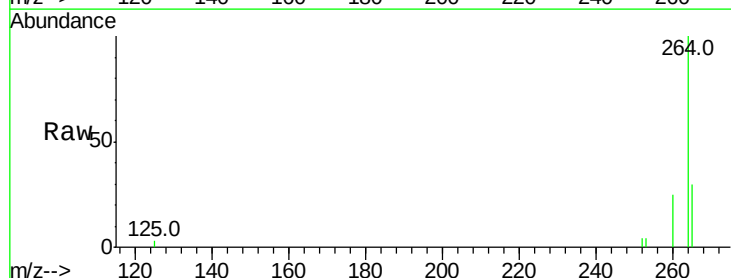


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

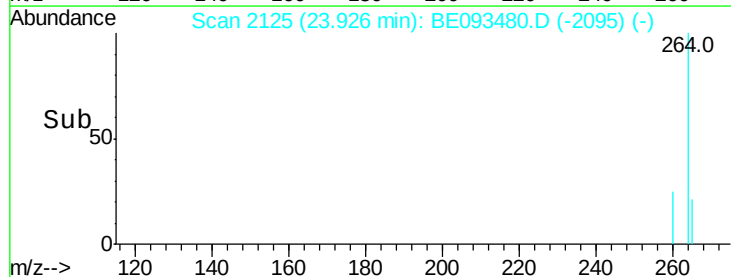
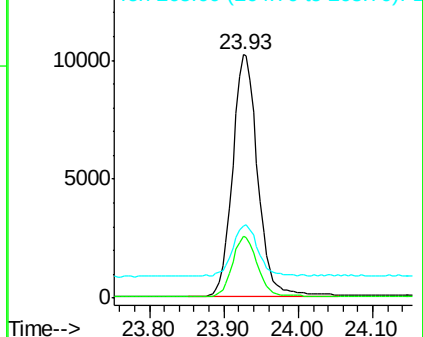


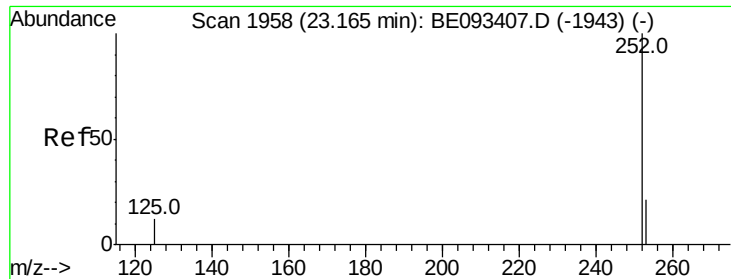
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.93 min Scan# 2125
 Delta R.T. -0.01 min
 Lab File: BE093480.D
 Acq: 19 Jul 2017 12:14

Tgt Ion:264 Resp: 23812
 Ion Ratio Lower Upper
 264 100
 260 25.4 21.0 31.4
 265 29.9 24.6 36.8



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





#35

Benzo(b)fluoranthene

Concen: 0.413 ng

RT: 23.16 min Scan# 1956

Delta R.T. -0.01 min

Lab File: BE093480.D

Acq: 19 Jul 2017 12:14

Instrument :

BNA_E

ClientSampleId :

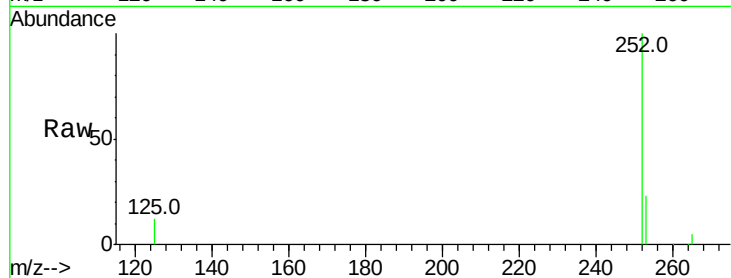
Tot Ion:252 Resp: 31790

Ion Ratio Lower Upper

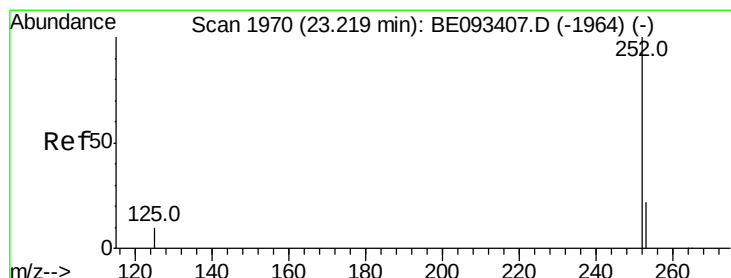
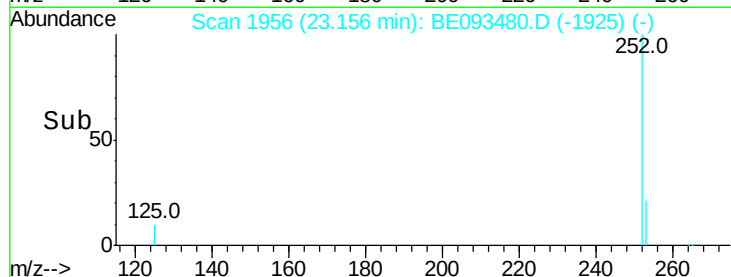
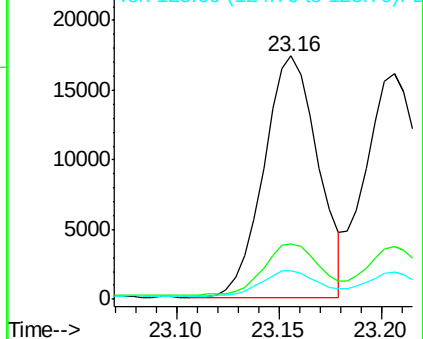
252 100

253 23.0 18.5 27.7

125 11.8 13.4 20.0#



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



#36

Benzo(k)fluoranthene

Concen: 0.416 ng

RT: 23.21 min Scan# 1967

Delta R.T. -0.01 min

Lab File: BE093480.D

Acq: 19 Jul 2017 12:14

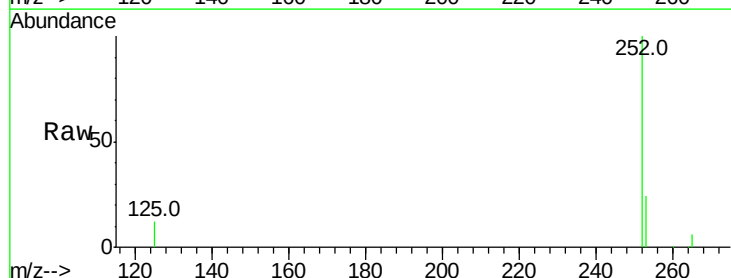
Tgt Ion:252 Resp: 31657

Ion Ratio Lower Upper

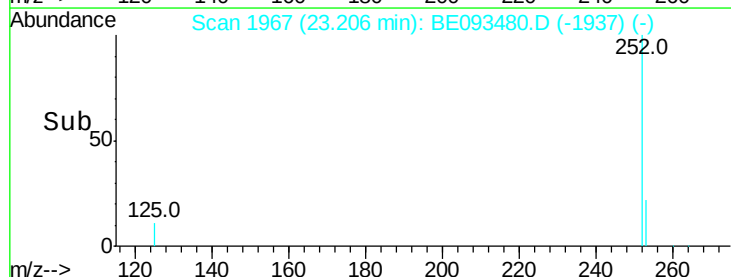
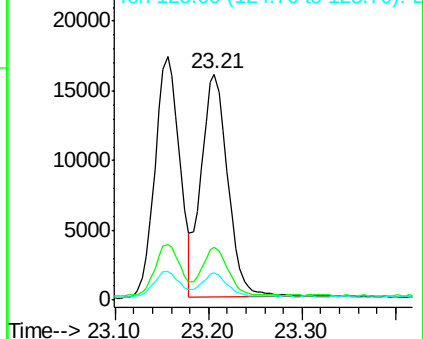
252 100

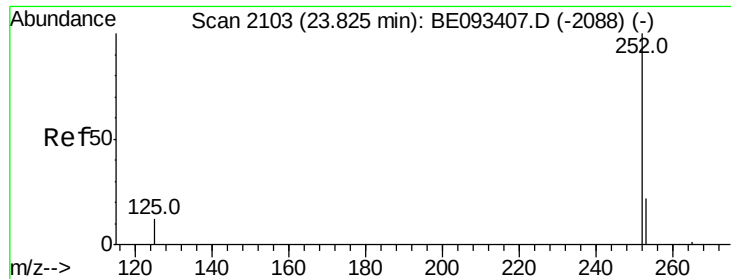
253 23.7 20.3 30.5

125 12.0 12.2 18.4#



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





#37

Benzo(a)pyrene

Concen: 0.364 ng

RT: 23.82 min Scan# 2101

Delta R.T. -0.01 min

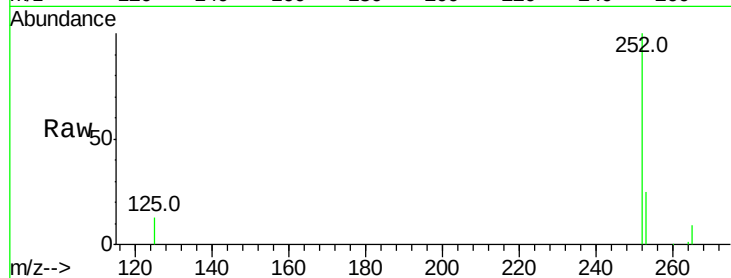
Lab File: BE093480.D

Acq: 19 Jul 2017 12:14

Instrument :

BNA_E

ClientSampled :



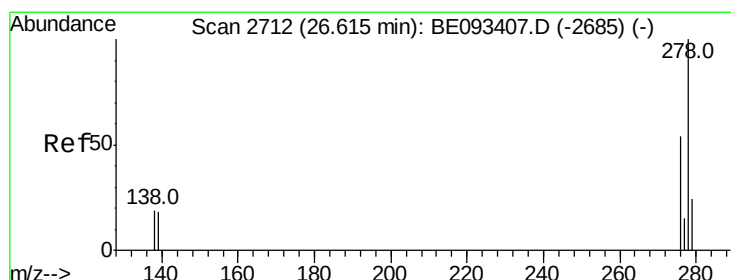
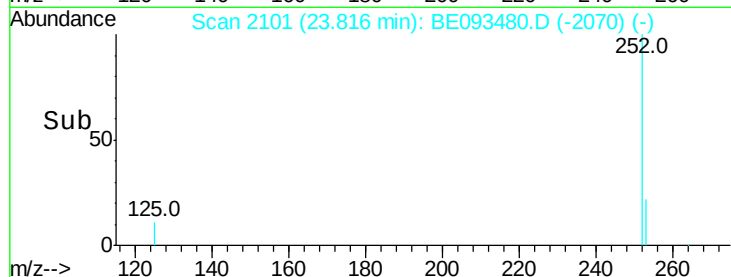
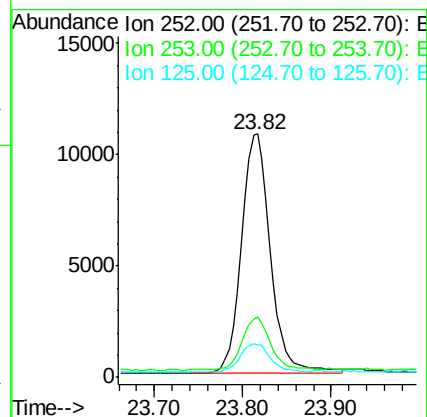
Tot Ion:252 Resp: 24520

Ion Ratio Lower Upper

252 100

253 25.1 19.9 29.9

125 13.1 14.6 21.8#



#38

Dibenzo(a,h)anthracene

Concen: 0.413 ng

RT: 26.59 min Scan# 2707

Delta R.T. -0.02 min

Lab File: BE093480.D

Acq: 19 Jul 2017 12:14

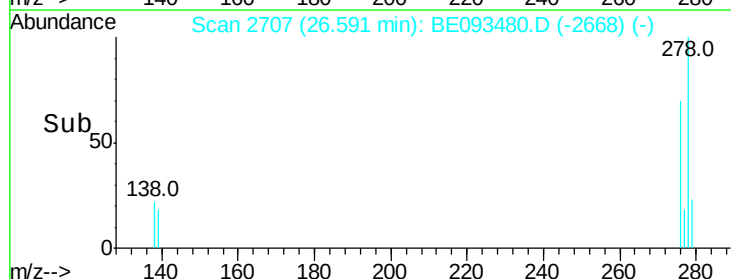
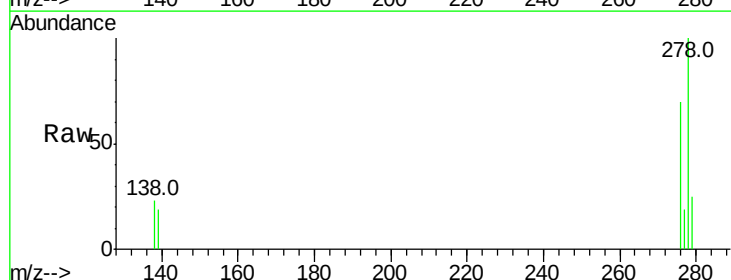
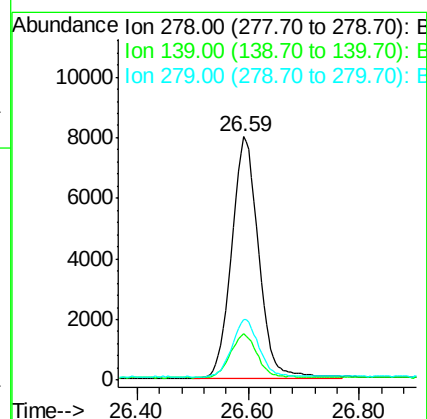
Tgt Ion:278 Resp: 26995

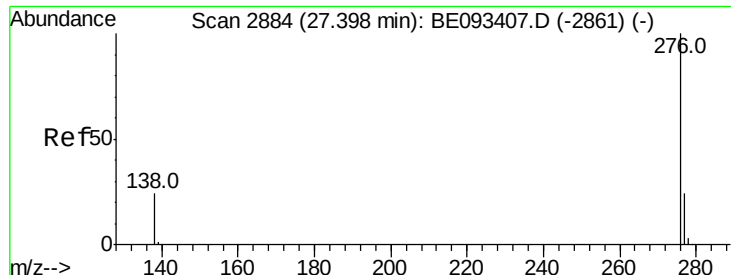
Ion Ratio Lower Upper

278 100

139 19.1 21.4 32.0#

279 24.7 22.2 33.2





#39

Benzo(a,h,i)perylene

Concen: 0.389 ng

RT: 27.38 min Scan# 2881

Delta R.T. -0.01 min

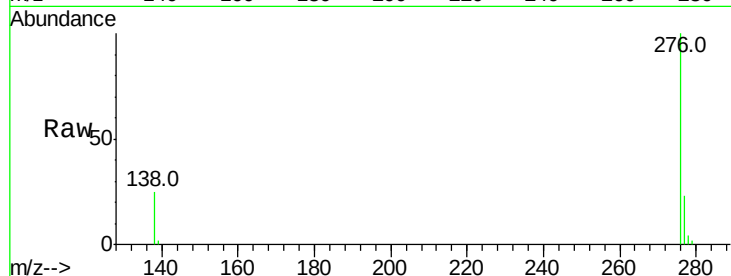
Lab File: BE093480.D

Acq: 19 Jul 2017 12:14

Instrument :

BNA_E

ClientSampleId :



Tot Ion:276 Resp: 25719

Ion Ratio Lower Upper

276 100

277 23.4 21.2 31.8

138 24.9 24.5 36.7

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

