

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080317\
 Data File : BE093657.D
 Acq On : 3 Aug 2017 14:34
 Operator : SJ/JU
 Sample : I4425-14
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Aug 04 04:13:10 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE080117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 02 10:58:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	2966	0.40	ng	0.00
7) Naphthalene-d8	10.71	136	14937	0.40	ng	0.00
13) Acenaphthene-d10	14.52	164	9003	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	23056	0.40	ng	0.00
27) Chrysene-d12	21.40	240	25802	0.40	ng	-0.01
34) Perylene-d12	23.91	264	23383	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.52	112	2678	0.30	ng	0.00
5) Phenol-d6	7.09	99	4152	0.31	ng	0.00
8) Nitrobenzene-d5	9.06	82	3197	0.28	ng	0.00
11) 2-Methylnaphthalene-d10	12.29	152	5895	0.25	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	649	0.35	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	9374	0.26	ng	-0.02
25) Fluoranthene-d10	19.27	212	70844	0.27	ng	0.00
29) Terphenyl-d14	19.86	244	15869	0.34	ng	0.00

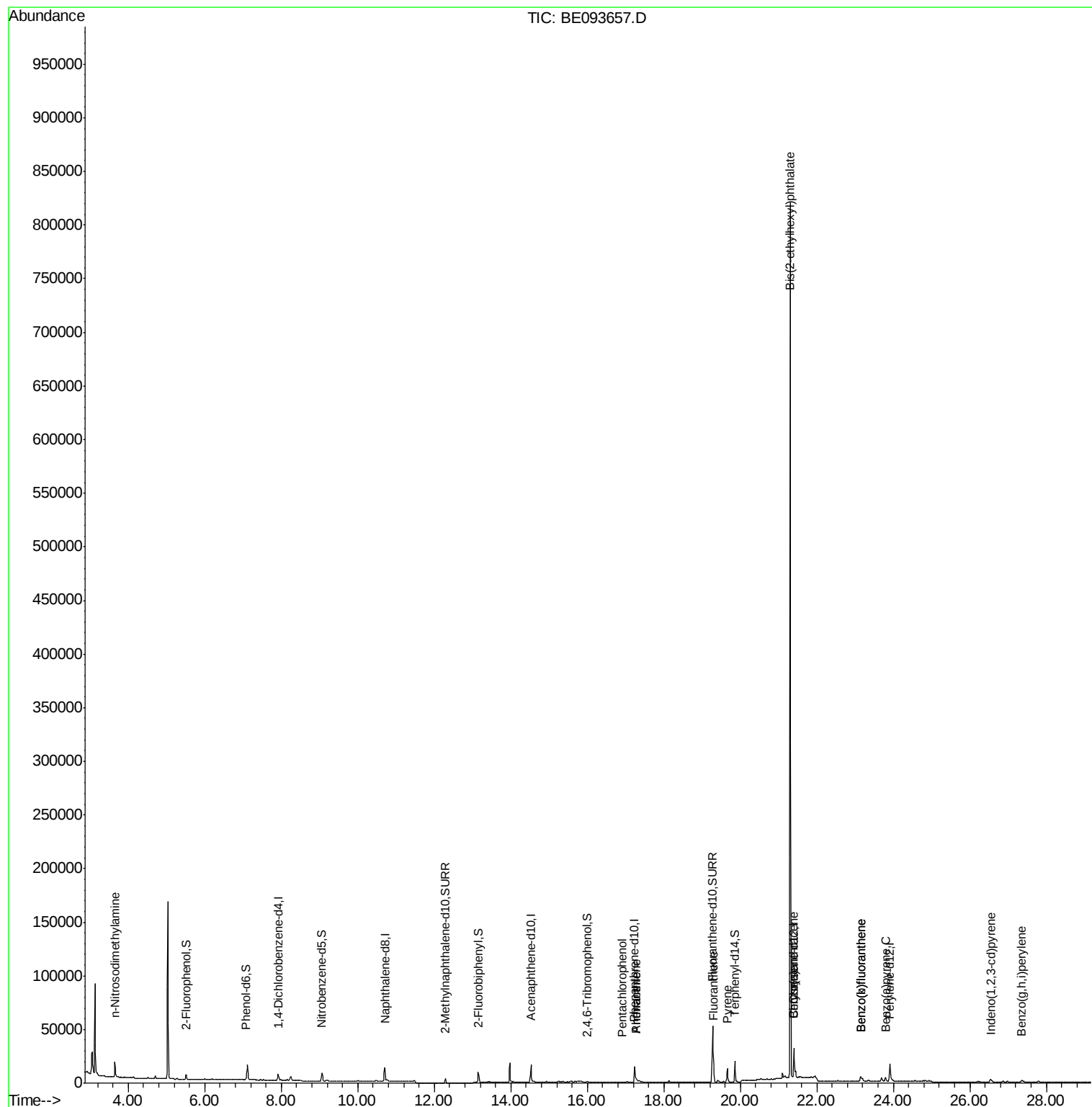
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.65	42	2831	0.629	ng	# 1
20) 4-Bromophenyl-phenylether	16.45	248	20	Below Cal		# 26
21) Hexachlorobenzene	16.58	284	14	Below Cal		# 100
22) Pentachlorophenol	16.91	266	39	0.159	ng	# 65
23) Phenanthrene	17.27	178	6696	0.132	ng	96
24) Anthracene	17.27	178	8662	0.125	ng	97
26) Fluoranthene	19.30	202	14260	0.177	ng	99
28) Pyrene	19.66	202	12188	0.146	ng	# 86
30) Benzo(a)anthracene	21.39	228	7097	0.094	ng	95
31) Chrysene	21.39	228	7097	0.084	ng	96
32) Bis(2-ethylhexyl)phthalate	21.30	149	843810	8.160	ng	98
33) Indeno(1,2,3-cd)pyrene	26.54	276	3680	0.048	ng	94
35) Benzo(b)fluoranthene	23.14	252	8180	0.098	ng	# 79
36) Benzo(k)fluoranthene	23.14	252	8180	0.096	ng	# 81
37) Benzo(a)pyrene	23.80	252	5347	0.071	ng	# 72
39) Benzo(g,h,i)perylene	27.36	276	3972	0.054	ng	# 91

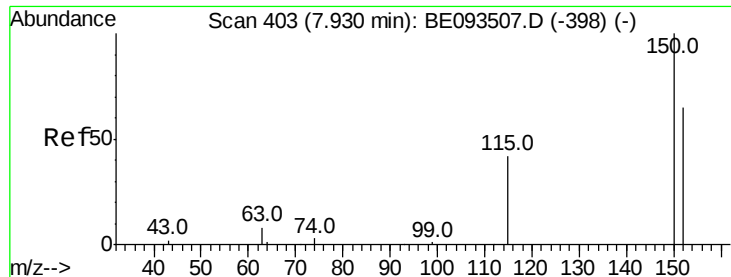
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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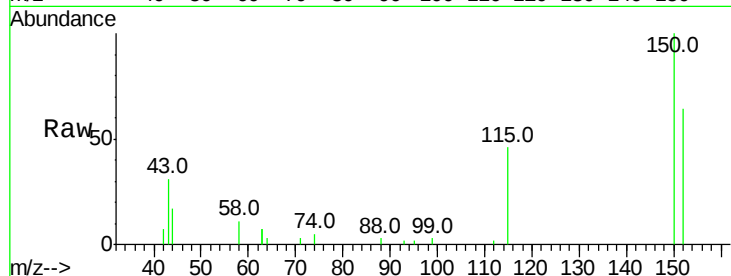


#1

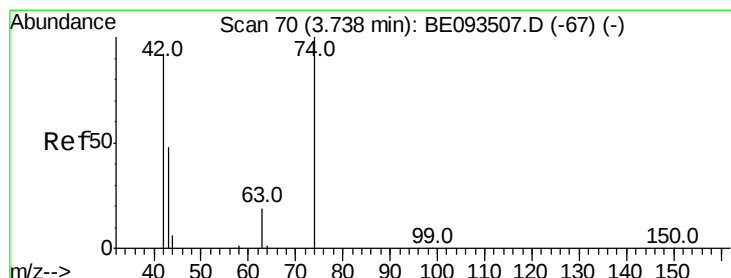
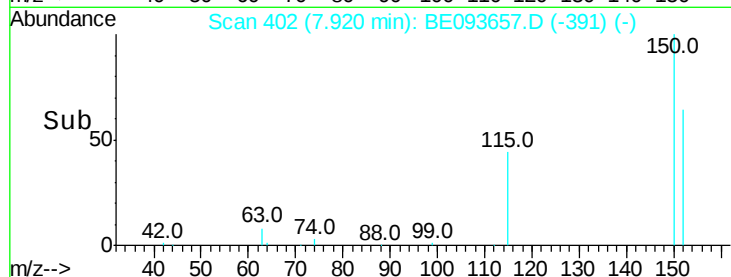
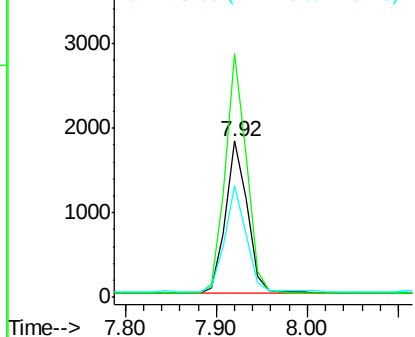
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.92 min Scan# 402
Delta R.T. -0.01 min
Lab File: BE093657.D
Acq: 3 Aug 2017 14:34

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 2966
Ion Ratio Lower Upper
152 100
150 155.7 125.1 187.7
115 71.3 55.7 83.5



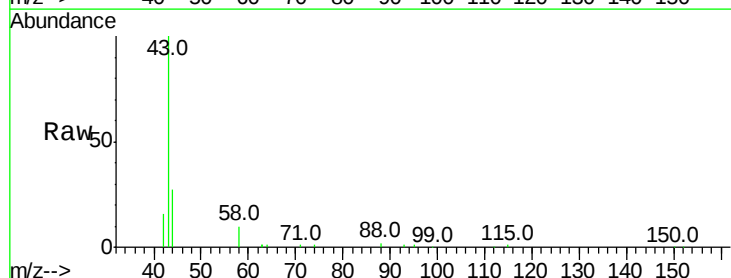
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



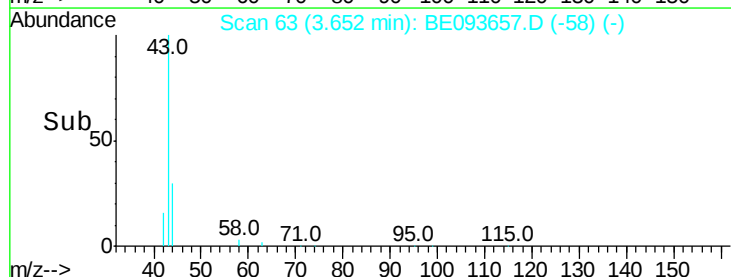
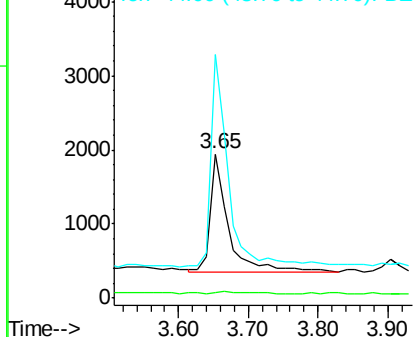
#3

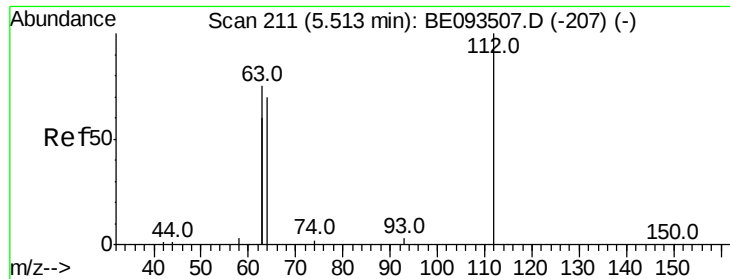
n-Nitrosodimethylamine
Concen: 0.629 ng
RT: 3.65 min Scan# 63
Delta R.T. -0.09 min
Lab File: BE093657.D
Acq: 3 Aug 2017 14:34

Tgt Ion: 42 Resp: 2831
Ion Ratio Lower Upper
42 100
74 2.2 99.1 148.7#
44 169.1 7.4 11.2#



Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 0.303 ng

RT: 5.52 min Scan# 211

Delta R.T. 0.00 min

Lab File: BE093657.D

Acq: 3 Aug 2017 14:34

Instrument :

BNA_E

ClientSampleId :

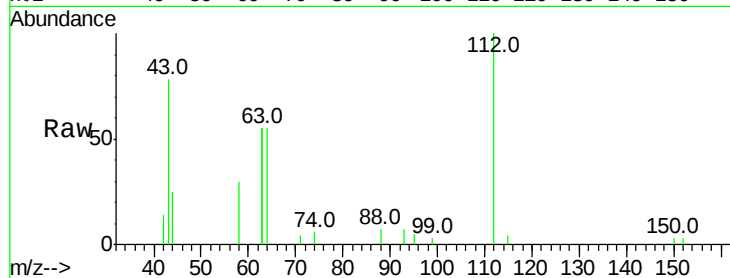
Tot Ion:112 Resp: 2678

Ion Ratio Lower Upper

112 100

64 69.5 56.4 84.6

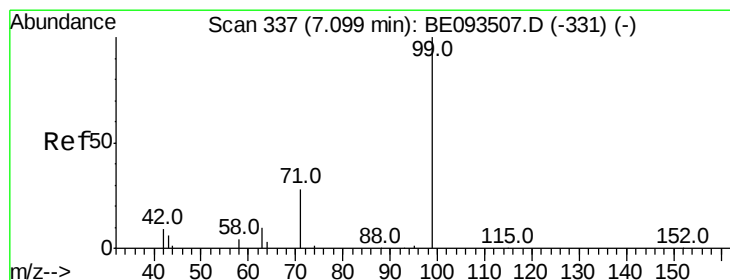
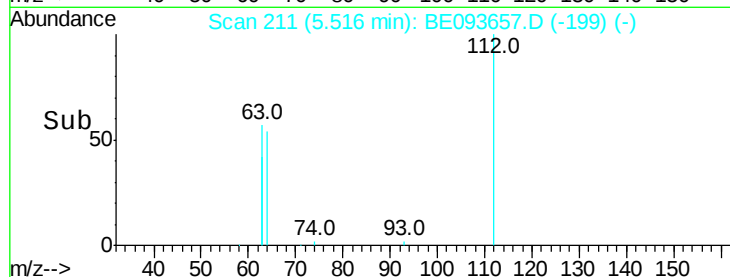
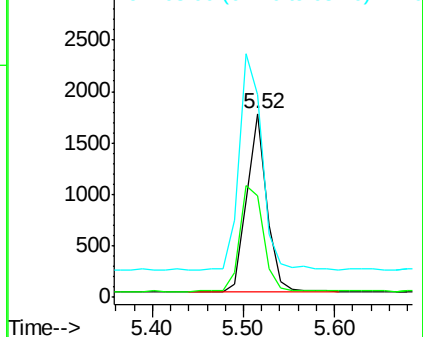
63 138.4 29.3 43.9#



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 0.312 ng

RT: 7.09 min Scan# 336

Delta R.T. -0.01 min

Lab File: BE093657.D

Acq: 3 Aug 2017 14:34

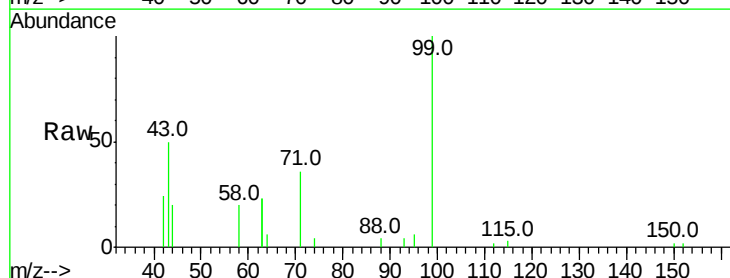
Tgt Ion: 99 Resp: 4152

Ion Ratio Lower Upper

99 100

42 30.6 0.0 0.0#

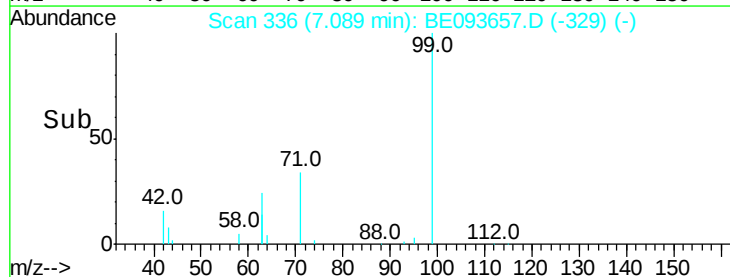
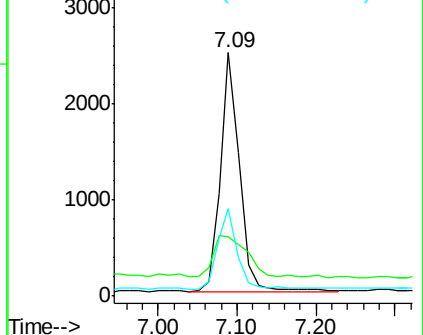
71 34.4 0.0 0.0#

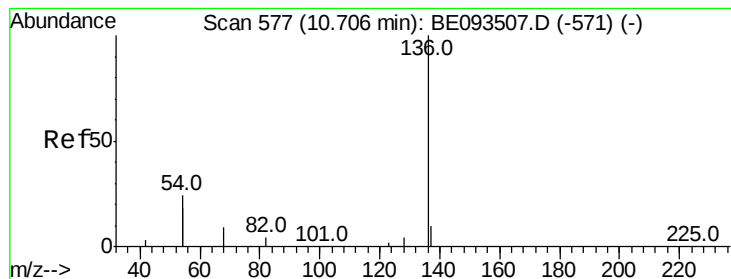


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.71 min Scan# 577

Delta R.T. 0.00 min

Lab File: BE093657.D

Acq: 3 Aug 2017 14:34

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 14937

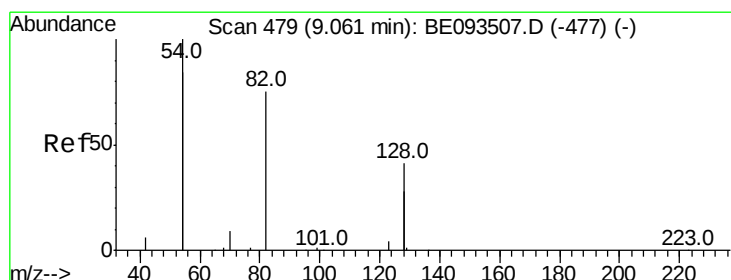
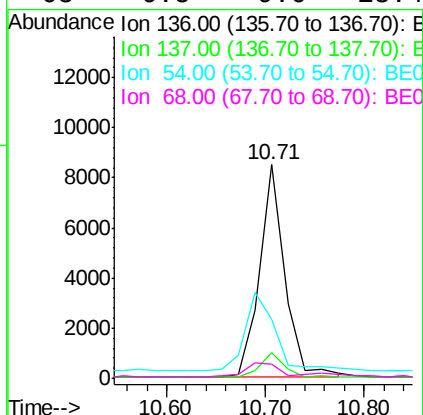
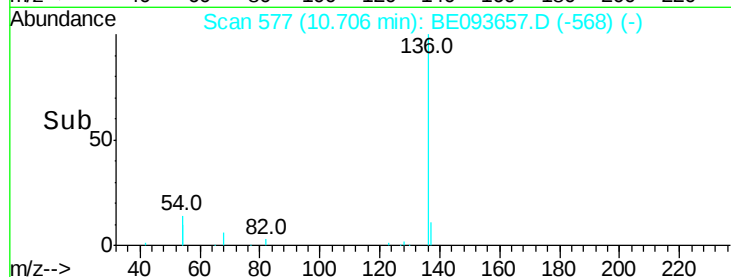
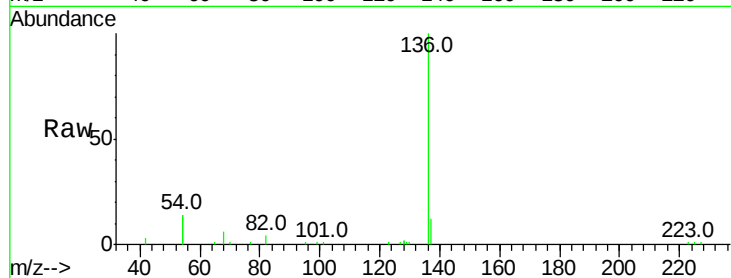
Ion Ratio Lower Upper

136 100

137 11.8 9.8 14.8

54 27.4 10.3 15.5#

68 6.5 9.0 13.4#



#8

Nitrobenzene-d5

Concen: 0.280 ng

RT: 9.06 min Scan# 479

Delta R.T. 0.00 min

Lab File: BE093657.D

Acq: 3 Aug 2017 14:34

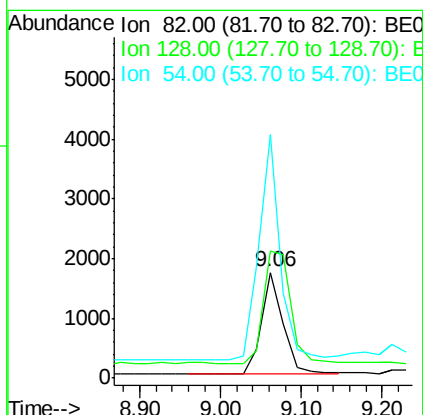
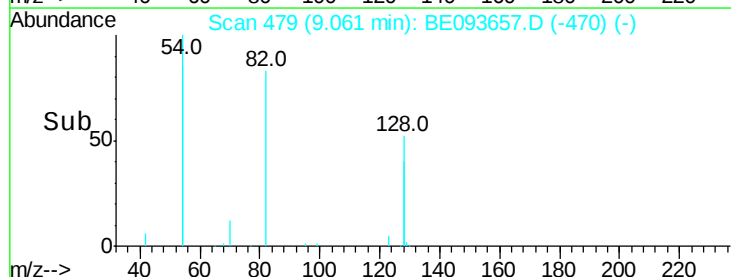
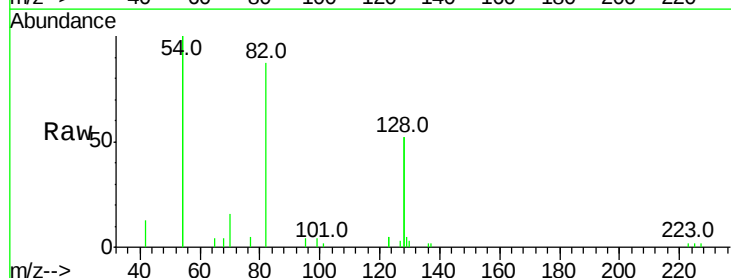
Tgt Ion: 82 Resp: 3197

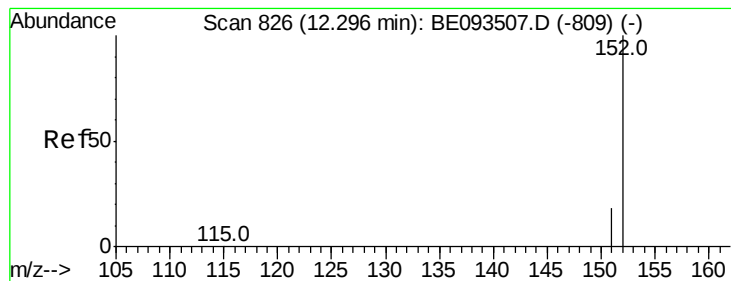
Ion Ratio Lower Upper

82 100

128 120.5 17.0 25.4#

54 231.0 53.8 80.6#





#11

2-Methylnaphthalene-d10

Concen: 0.250 ng

RT: 12.29 min Scan# 824

Delta R.T. -0.01 min

Lab File: BE093657.D

Acq: 3 Aug 2017 14:34

Instrument :

BNA_E

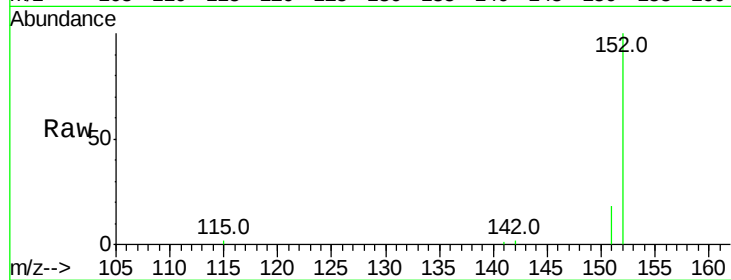
ClientSampleId :

Tot Ion:152 Resp: 5895

Ion Ratio Lower Upper

152 100

151 19.4 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.29

4000

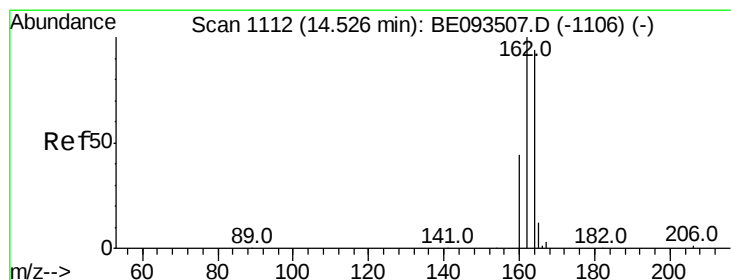
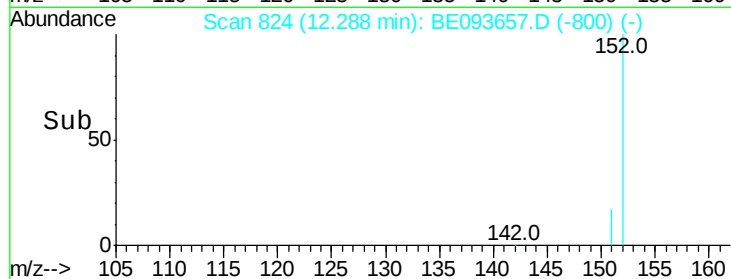
3000

2000

1000

0

Time--> 12.20 12.30 12.40



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.52 min Scan# 1111

Delta R.T. -0.00 min

Lab File: BE093657.D

Acq: 3 Aug 2017 14:34

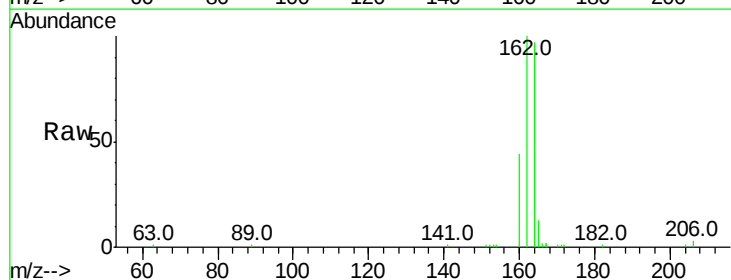
Tgt Ion:164 Resp: 9003

Ion Ratio Lower Upper

164 100

162 102.9 84.6 127.0

160 45.7 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

14.52

8000

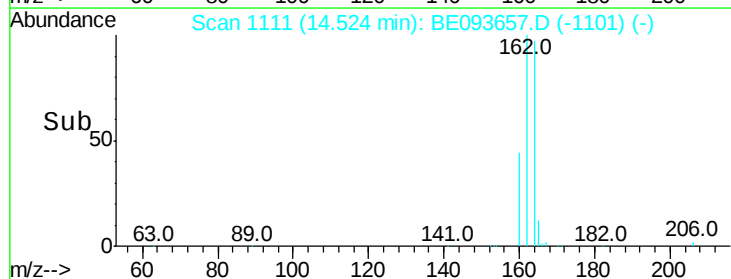
6000

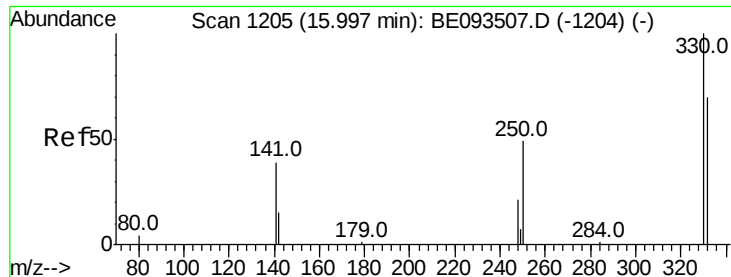
4000

2000

0

Time--> 14.40 14.50 14.60

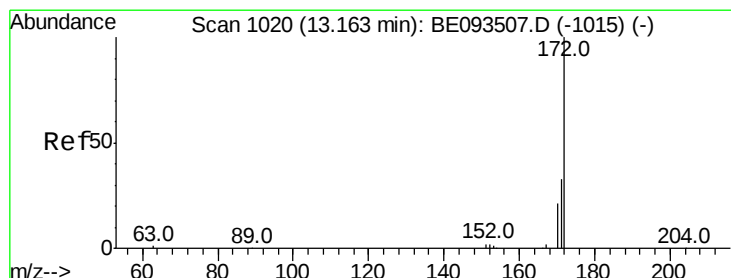
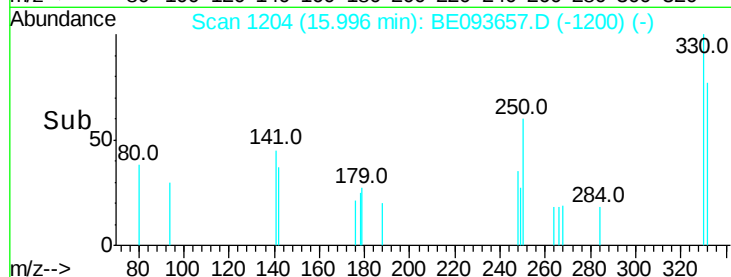
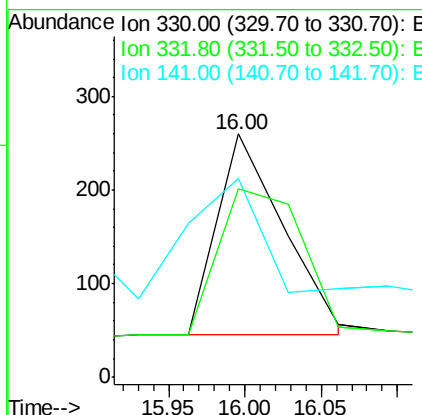
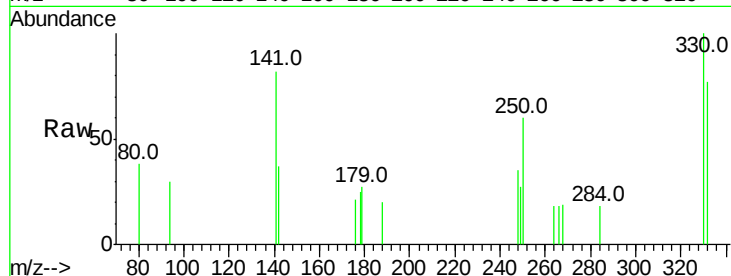




#14
 2,4,6-Tribromophenol
 Concen: 0.348 ng
 RT: 16.00 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: BE093657.D
 Acq: 3 Aug 2017 14:34

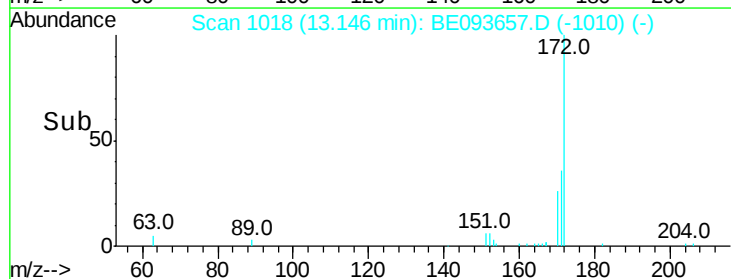
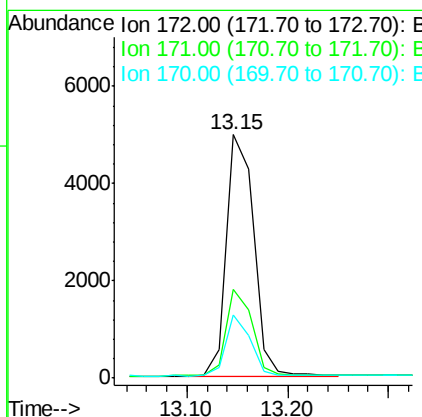
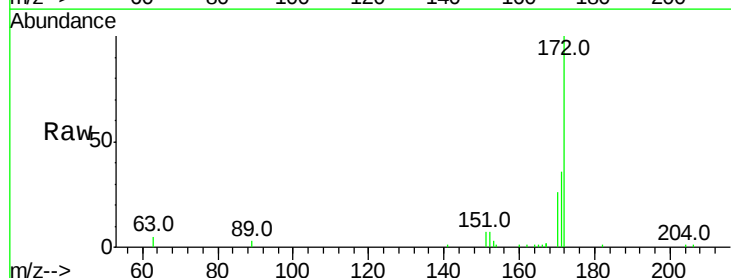
Instrument :
 BNA_E
 ClientSampleId :

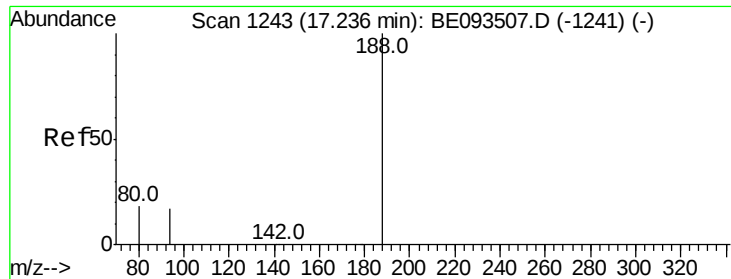
Tot Ion:330 Resp: 649
 Ion Ratio Lower Upper
 330 100
 332 91.8 77.7 116.5
 141 64.9 56.2 84.4



#15
 2-Fluorobiphenyl
 Concen: 0.260 ng
 RT: 13.15 min Scan# 1018
 Delta R.T. -0.02 min
 Lab File: BE093657.D
 Acq: 3 Aug 2017 14:34

Tgt Ion:172 Resp: 9374
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.8 44.6
 170 26.0 20.7 31.1

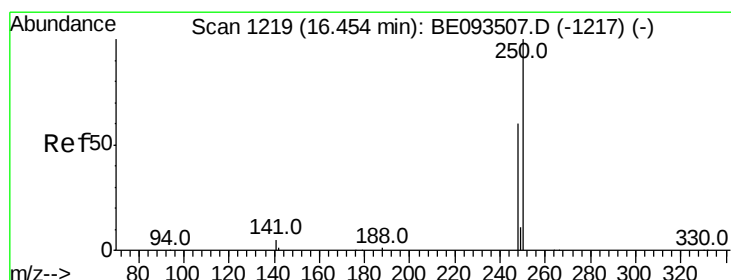
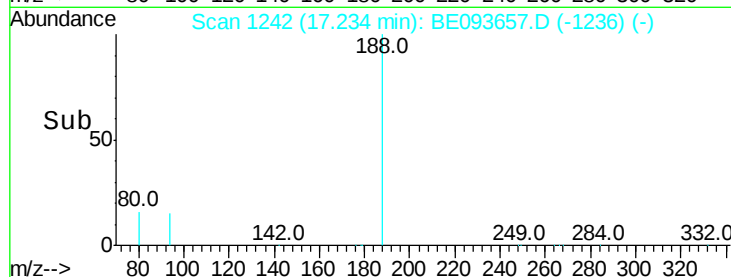
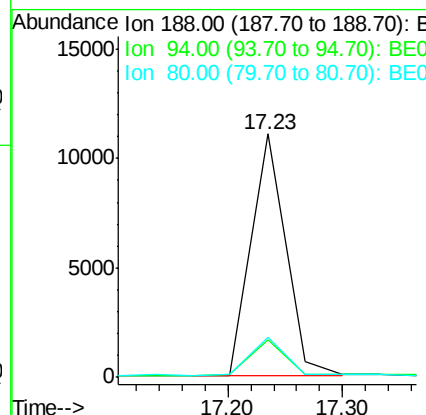
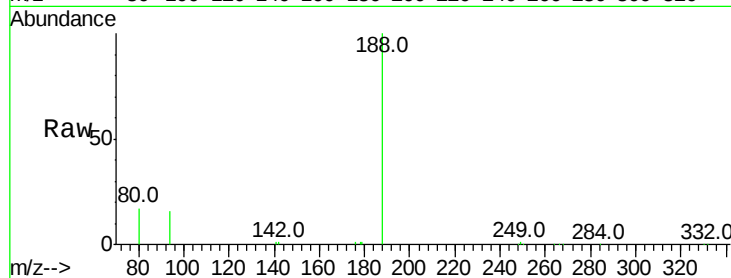




#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.23 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: BE093657.D
 Acq: 3 Aug 2017 14:34

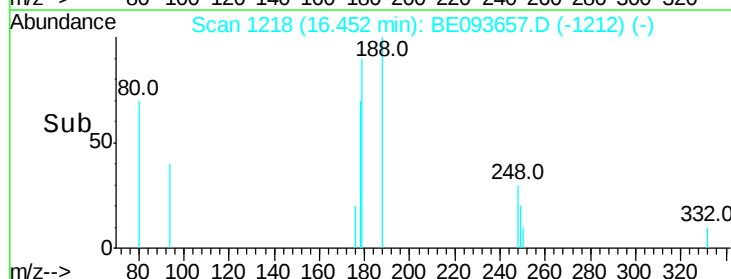
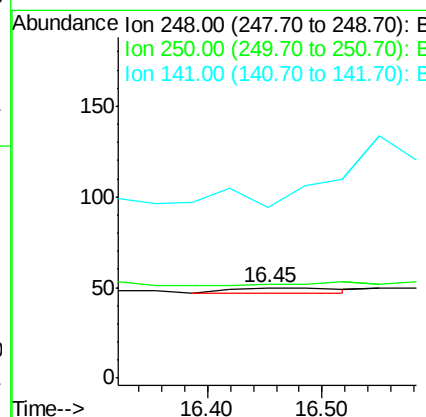
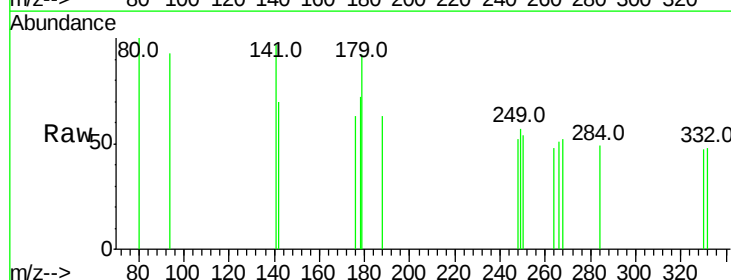
Instrument :
 BNA_E
 ClientSampleID :

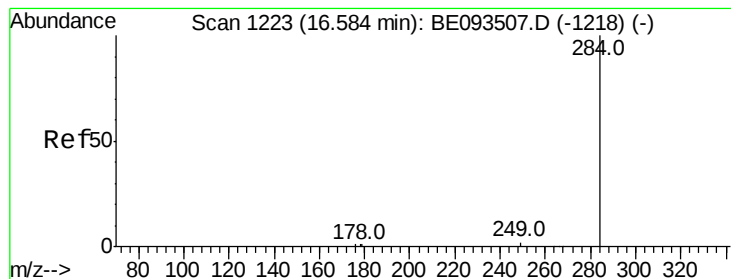
Tot Ion:188 Resp: 23056
 Ion Ratio Lower Upper
 188 100
 94 15.6 11.3 16.9
 80 16.6 11.7 17.5



#20
 4-Bromophenyl-phenylether
 Concen: Below Cal
 RT: 16.45 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: BE093657.D
 Acq: 3 Aug 2017 14:34

Tgt Ion:248 Resp: 20
 Ion Ratio Lower Upper
 248 100
 250 104.0 128.0 192.0#
 141 188.0 12.0 18.0#





#21

Hexachlorobenzene

Concen: Below Cal

RT: 16.58 min Scan# 1222

Delta R.T. -0.00 min

Lab File: BE093657.D

Acq: 3 Aug 2017 14:34

Instrument :

BNA_E

ClientSampleId :

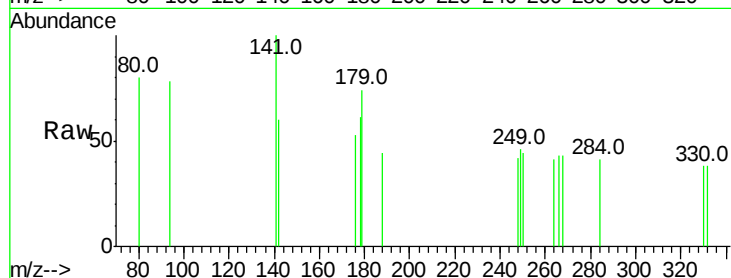
Tot Ion:284 Resp: 14

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

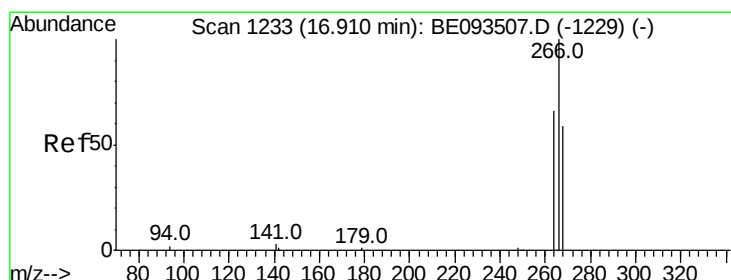
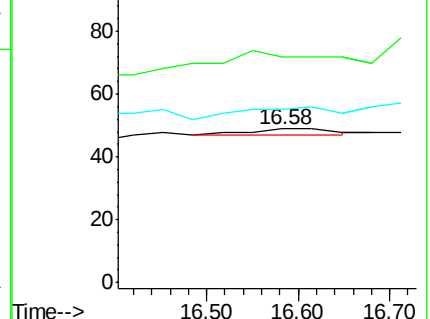
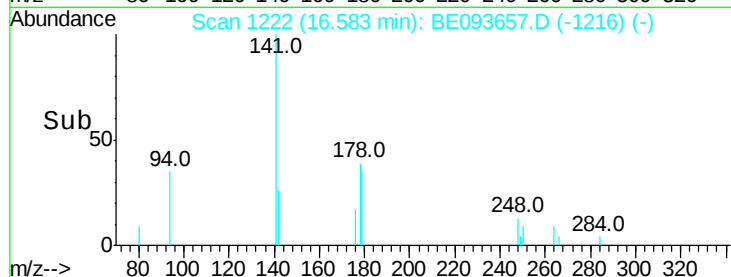
249 0.0 0.0 0.0



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: 0.159 ng

RT: 16.91 min Scan# 1232

Delta R.T. -0.00 min

Lab File: BE093657.D

Acq: 3 Aug 2017 14:34

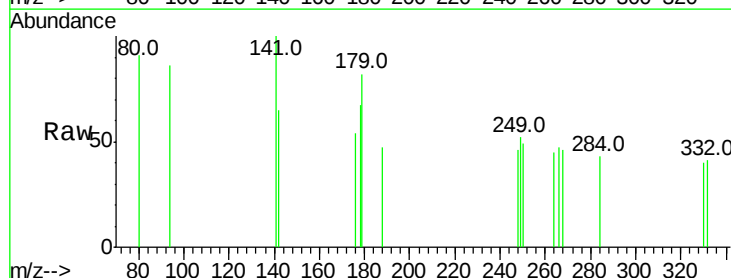
Tgt Ion:266 Resp: 39

Ion Ratio Lower Upper

266 100

264 94.4 56.0 84.0#

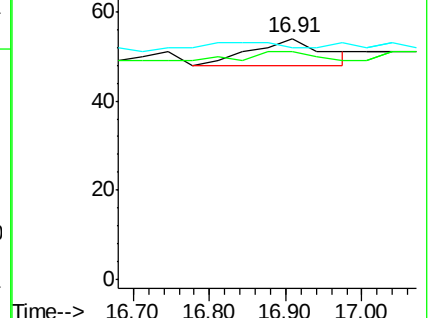
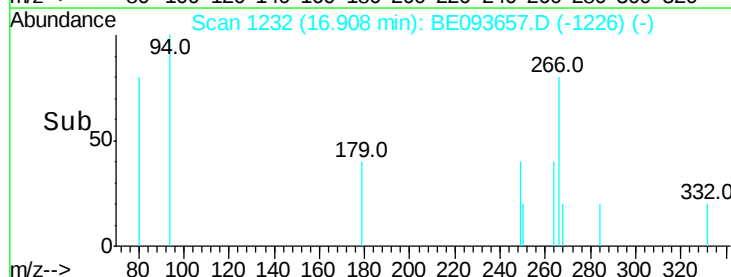
268 96.3 52.0 78.0#

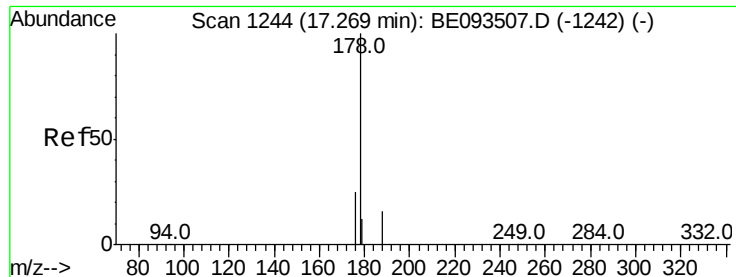


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.132 ng

RT: 17.27 min Scan# 1243

Delta R.T. -0.00 min

Lab File: BE093657.D

Acq: 3 Aug 2017 14:34

Instrument :

BNA_E

ClientSampleId :

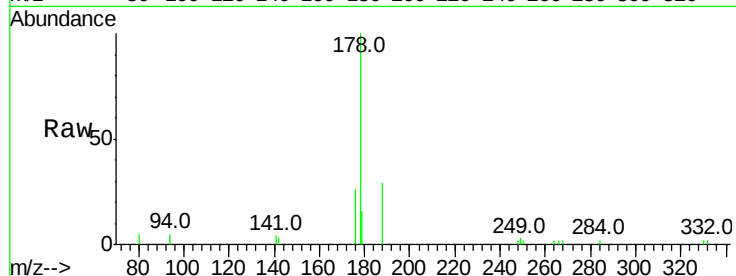
Tot Ion:178 Resp: 6696

Ion Ratio Lower Upper

178 100

176 21.3 15.0 22.4

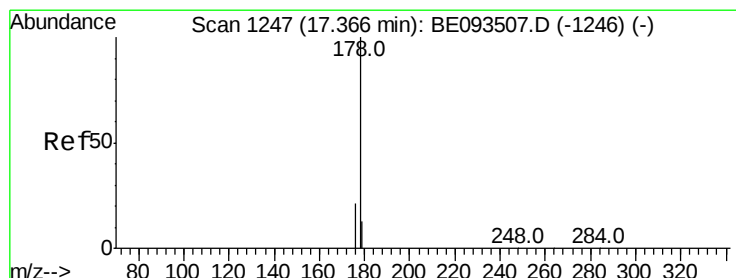
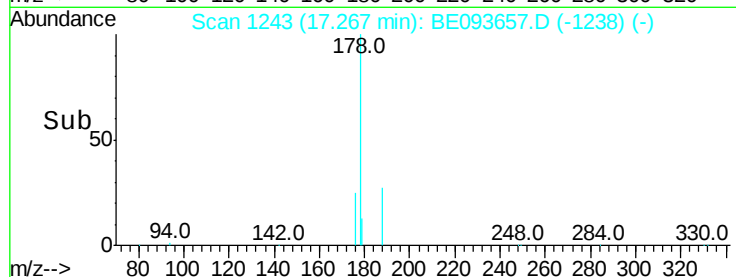
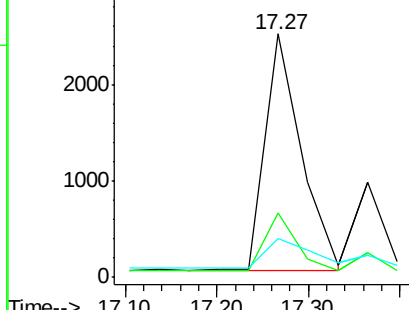
179 16.7 12.7 19.1



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: 0.125 ng

RT: 17.27 min Scan# 1243

Delta R.T. -0.10 min

Lab File: BE093657.D

Acq: 3 Aug 2017 14:34

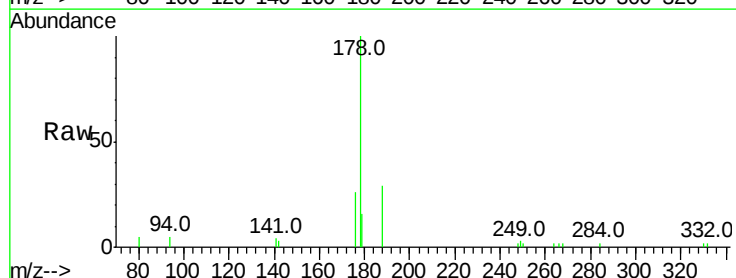
Tgt Ion:178 Resp: 8662

Ion Ratio Lower Upper

178 100

176 16.1 14.6 22.0

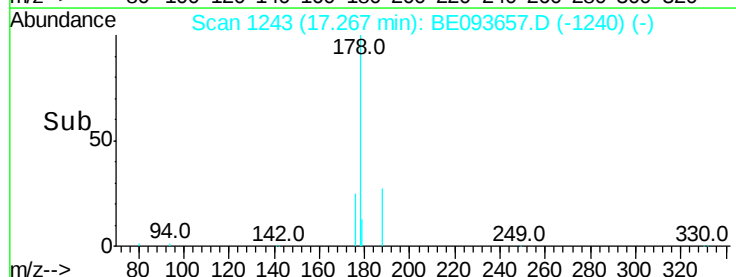
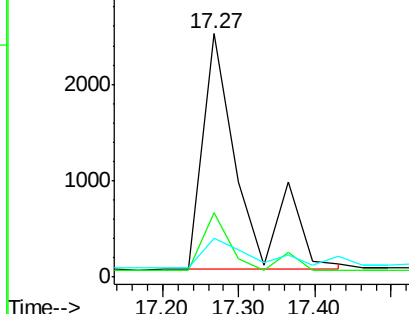
179 15.3 12.0 18.0

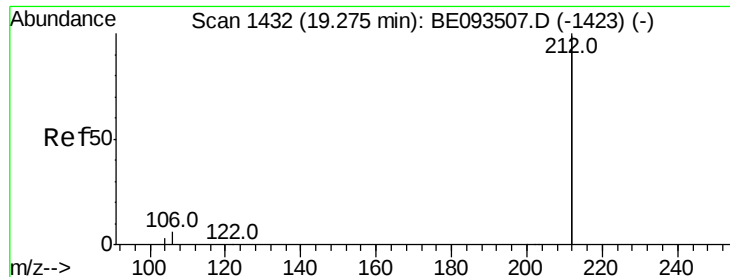


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.271 ng

RT: 19.27 min Scan# 1431

Delta R.T. 0.00 min

Lab File: BE093657.D

Acq: 3 Aug 2017 14:34

Instrument :

BNA_E

ClientSampleId :

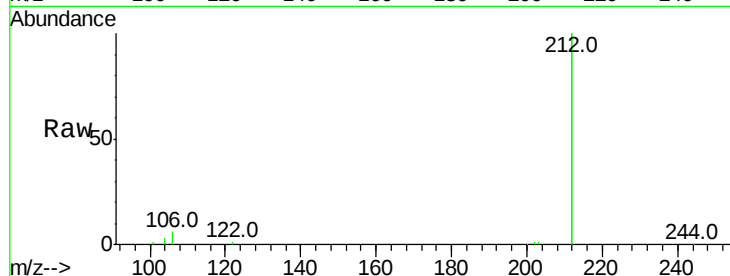
Tot Ion:212 Resp: 70844

Ion Ratio Lower Upper

212 100

106 3.5 2.4 3.6

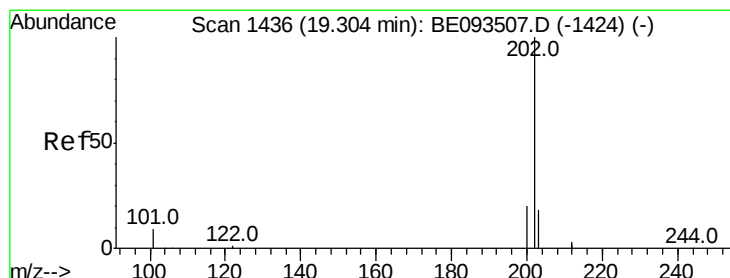
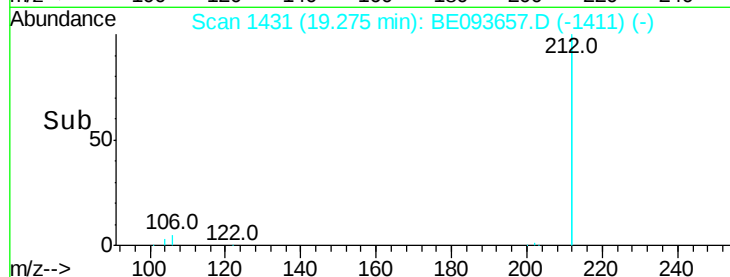
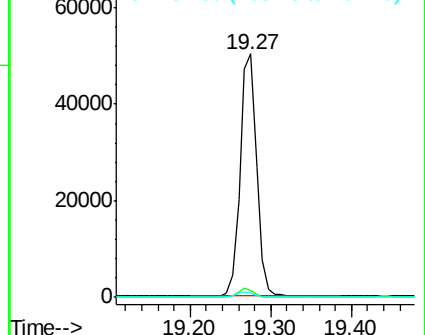
104 2.0 1.6 2.4



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.177 ng

RT: 19.30 min Scan# 1435

Delta R.T. 0.00 min

Lab File: BE093657.D

Acq: 3 Aug 2017 14:34

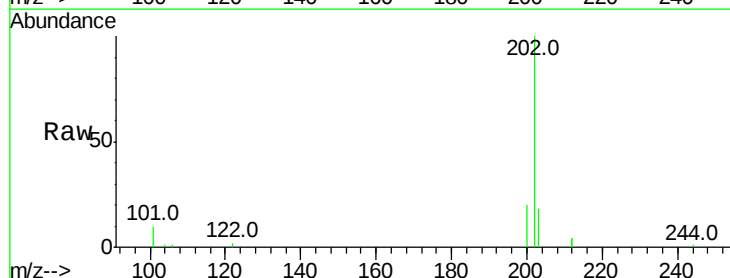
Tgt Ion:202 Resp: 14260

Ion Ratio Lower Upper

202 100

101 13.0 9.6 14.4

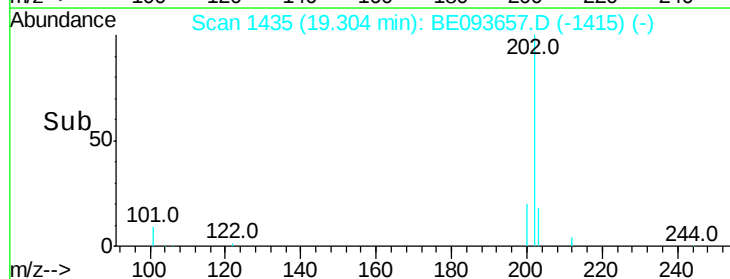
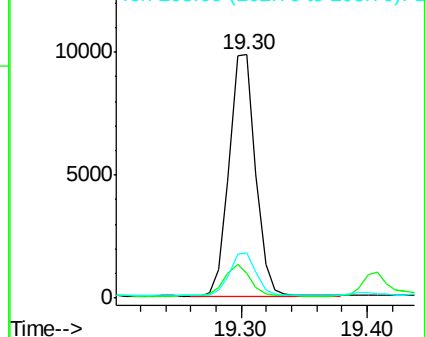
203 17.9 14.4 21.6

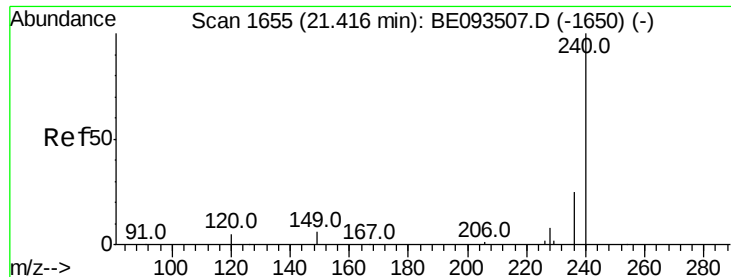


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.40 min Scan# 1653

Delta R.T. -0.01 min

Lab File: BE093657.D

Acq: 3 Aug 2017 14:34

Instrument :

BNA_E

ClientSampleId :

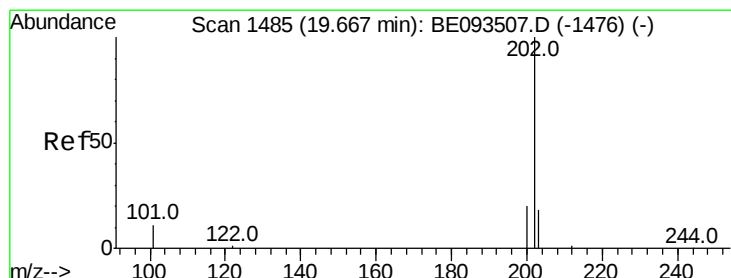
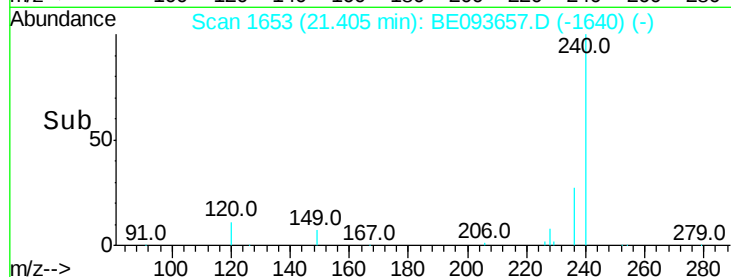
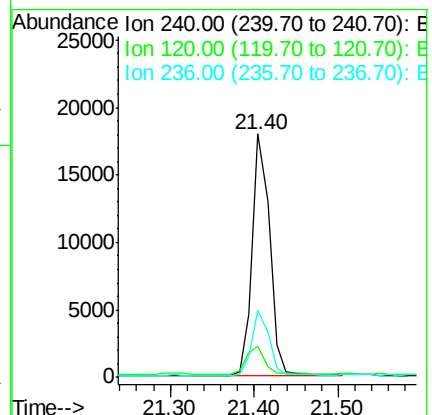
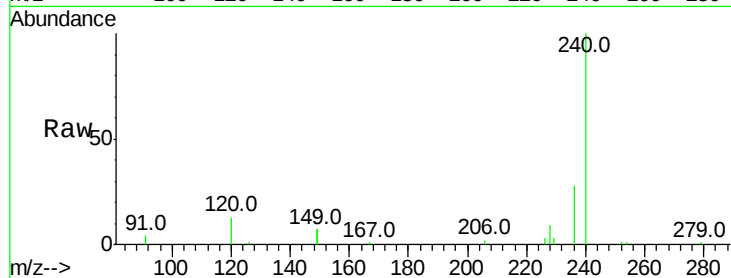
Tot Ion:240 Resp: 25802

Ion Ratio Lower Upper

240 100

120 12.6 4.6 7.0#

236 27.6 20.8 31.2



#28

Pyrene

Concen: 0.146 ng

RT: 19.66 min Scan# 1483

Delta R.T. -0.01 min

Lab File: BE093657.D

Acq: 3 Aug 2017 14:34

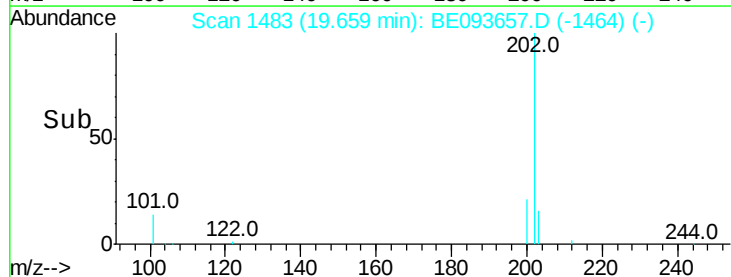
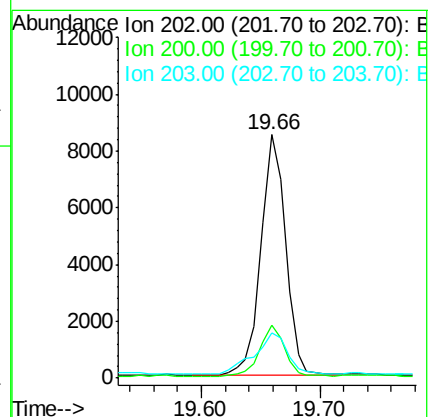
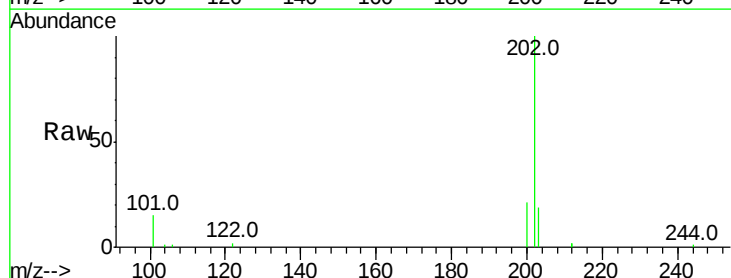
Tgt Ion:202 Resp: 12188

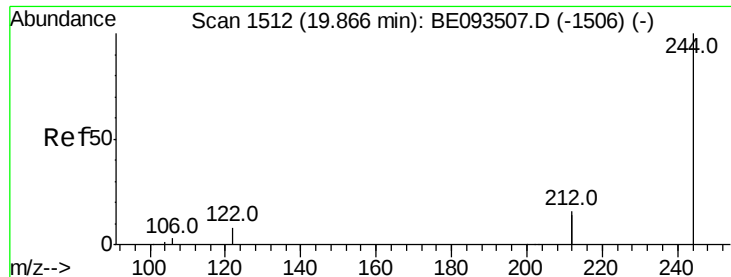
Ion Ratio Lower Upper

202 100

200 21.4 0.0 0.0#

203 23.4 13.7 20.5#





#29

Terphenyl-d14

Concen: 0.342 ng

RT: 19.86 min Scan# 1510

Delta R.T. -0.01 min

Lab File: BE093657.D

Acq: 3 Aug 2017 14:34

Instrument :

BNA_E

ClientSampleId :

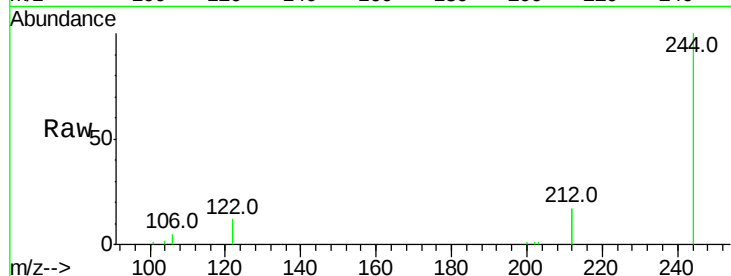
Tot Ion:244 Resp: 15869

Ion Ratio Lower Upper

244 100

212 34.5 10.6 16.0#

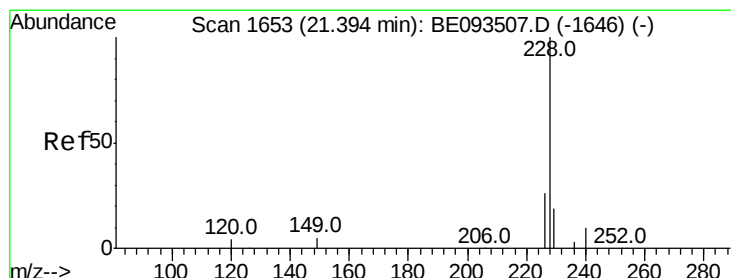
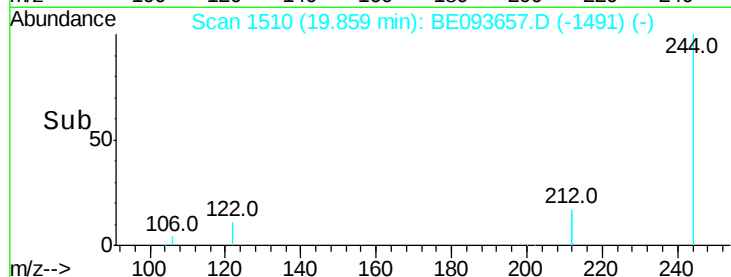
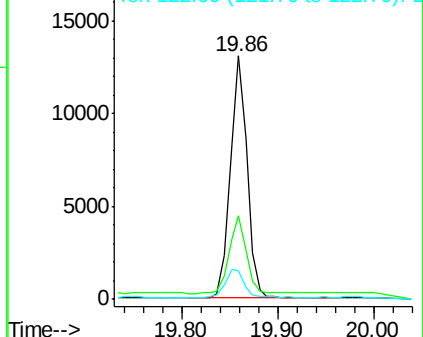
122 12.0 15.4 23.0#



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



#30

Benzo(a)anthracene

Concen: 0.094 ng

RT: 21.39 min Scan# 1652

Delta R.T. 0.00 min

Lab File: BE093657.D

Acq: 3 Aug 2017 14:34

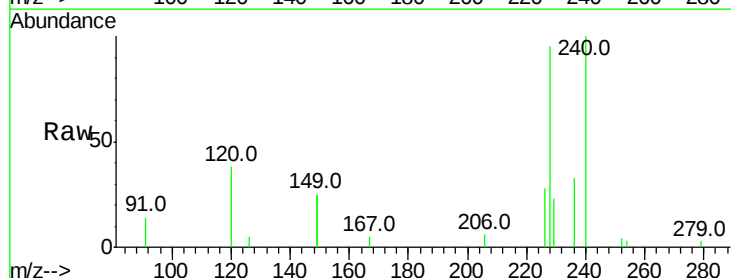
Tgt Ion:228 Resp: 7097

Ion Ratio Lower Upper

228 100

226 29.4 19.7 29.5

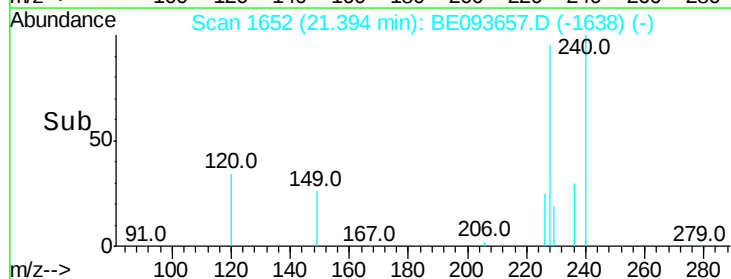
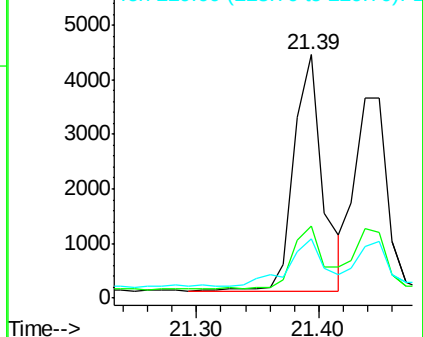
229 24.3 19.2 28.8

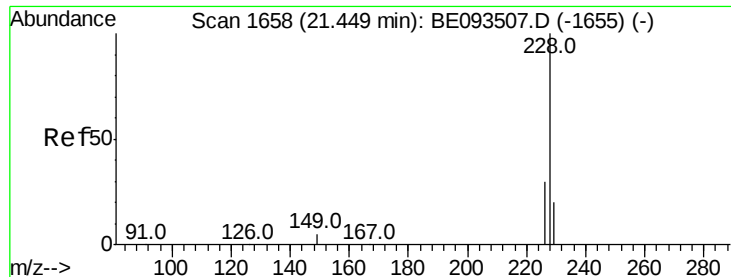


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.084 ng

RT: 21.39 min Scan# 1652

Delta R.T. -0.06 min

Lab File: BE093657.D

Acq: 3 Aug 2017 14:34

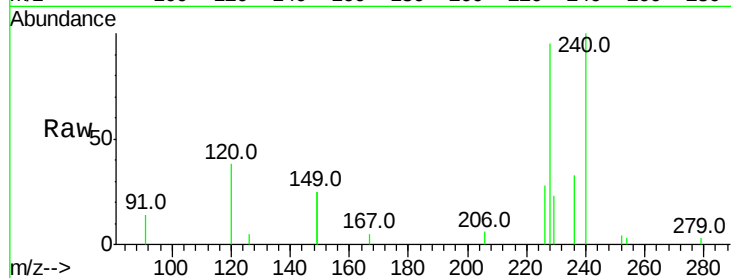
Instrument :

BNA_E

ClientSampleId :

Tot Ion:228 Resp: 7097

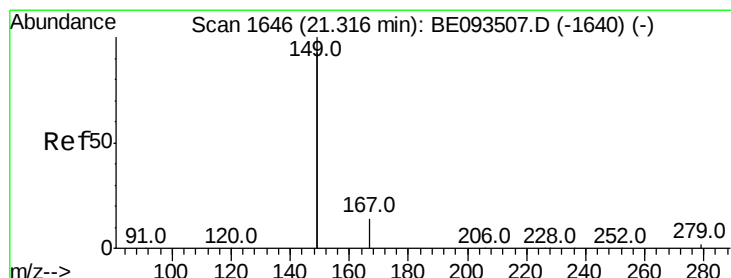
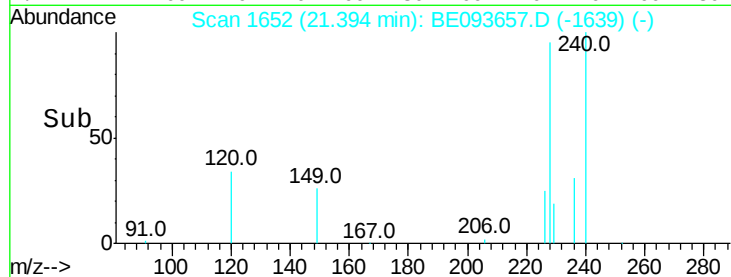
Ion	Ratio	Lower	Upper
228	100		
226	29.4	21.5	32.3
229	24.3	18.6	28.0



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: 8.160 ng

RT: 21.30 min Scan# 1644

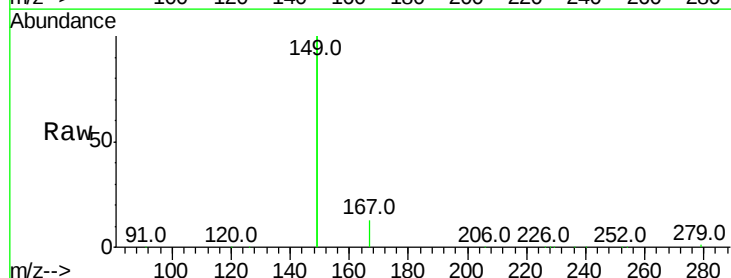
Delta R.T. -0.01 min

Lab File: BE093657.D

Acq: 3 Aug 2017 14:34

Tgt Ion:149 Resp: 843810

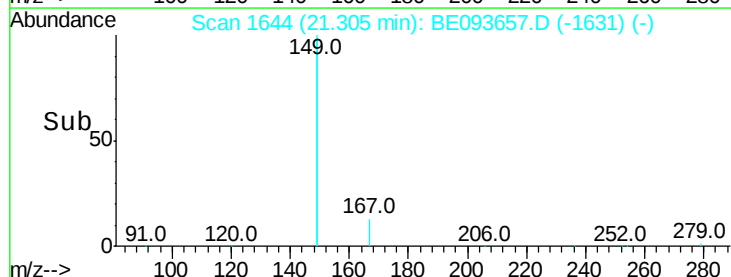
Ion	Ratio	Lower	Upper
149	100		
167	6.7	4.8	7.2
279	0.9	0.8	1.2

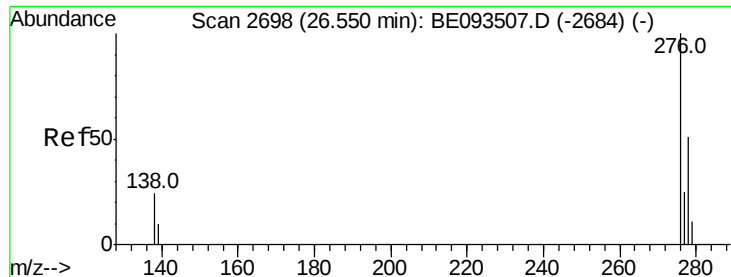


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

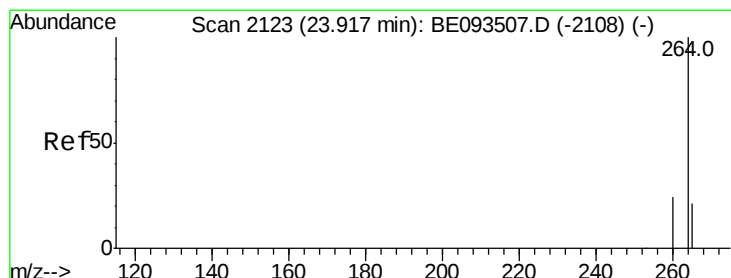
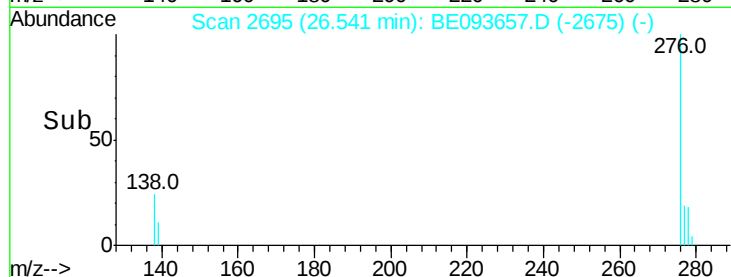
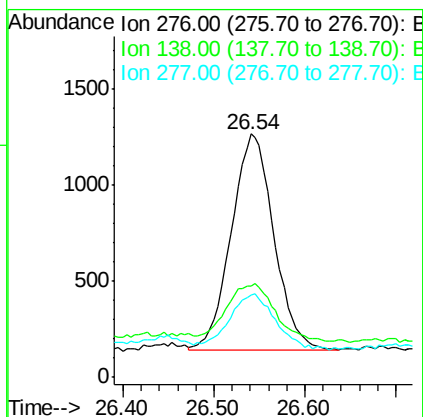
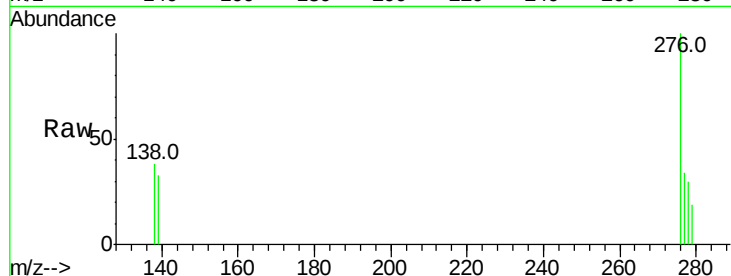




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.048 ng
 RT: 26.54 min Scan# 2695
 Delta R.T. -0.01 min
 Lab File: BE093657.D
 Acq: 3 Aug 2017 14:34

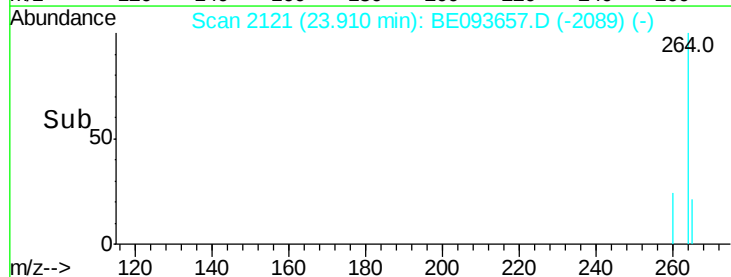
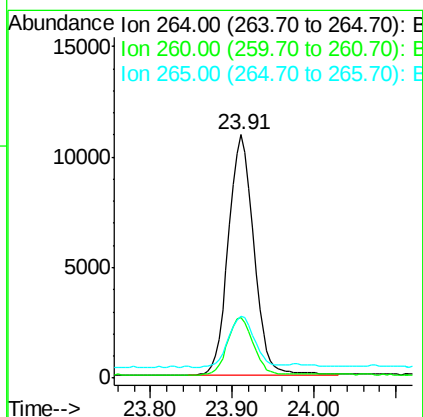
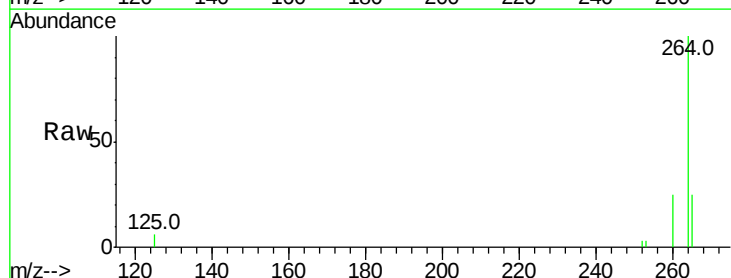
Instrument :
 BNA_E
 ClientSampleId :

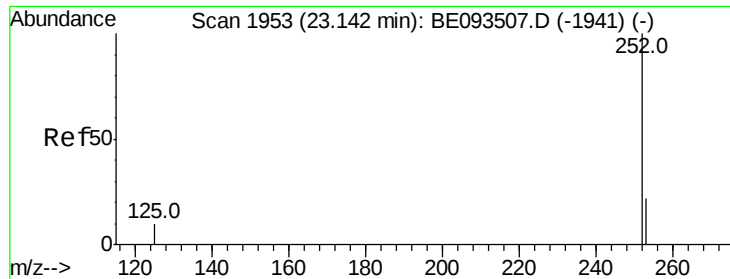
Tot Ion:276 Resp: 3680
 Ion Ratio Lower Upper
 276 100
 138 30.5 27.4 41.2
 277 28.2 20.1 30.1



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.91 min Scan# 2121
 Delta R.T. -0.01 min
 Lab File: BE093657.D
 Acq: 3 Aug 2017 14:34

Tgt Ion:264 Resp: 23383
 Ion Ratio Lower Upper
 264 100
 260 25.0 21.0 31.4
 265 25.5 24.6 36.8





#35

Benzo(b)fluoranthene

Concen: 0.098 ng

RT: 23.14 min Scan# 1952

Delta R.T. -0.00 min

Lab File: BE093657.D

Acq: 3 Aug 2017 14:34

Instrument :

BNA_E

ClientSampleId :

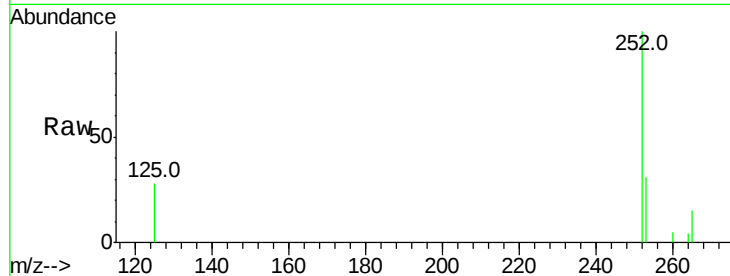
Tot Ion:252 Resp: 8180

Ion Ratio Lower Upper

252 100

253 31.3 18.5 27.7#

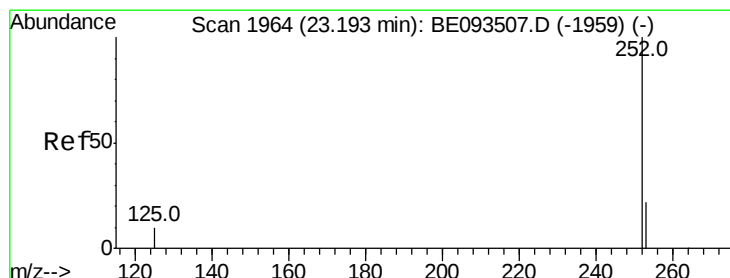
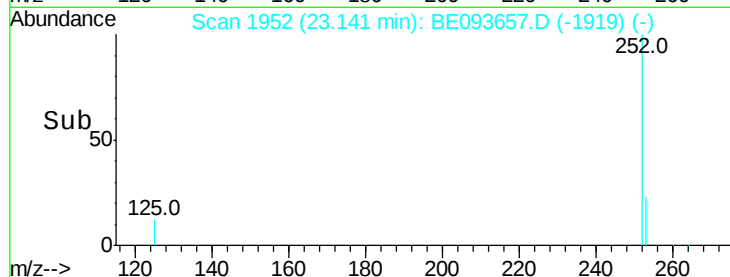
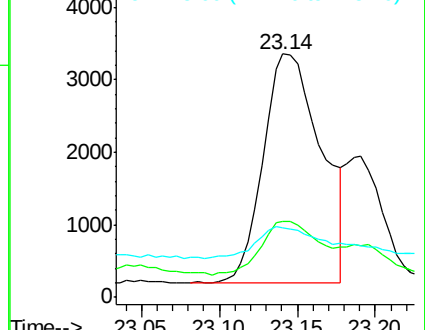
125 28.5 13.4 20.0#



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: 0.096 ng

RT: 23.14 min Scan# 1952

Delta R.T. -0.05 min

Lab File: BE093657.D

Acq: 3 Aug 2017 14:34

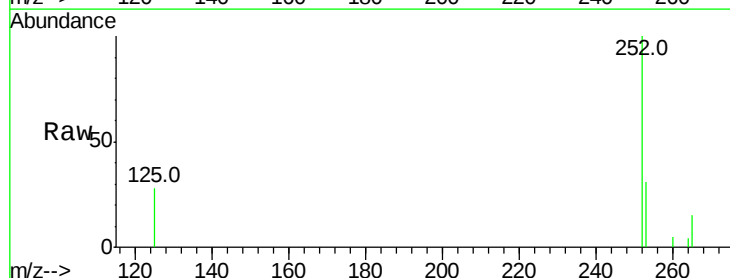
Tgt Ion:252 Resp: 8180

Ion Ratio Lower Upper

252 100

253 31.3 20.3 30.5#

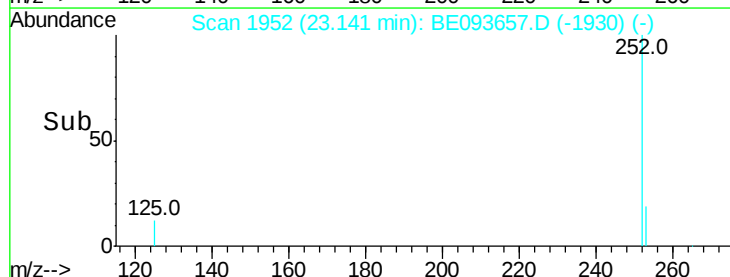
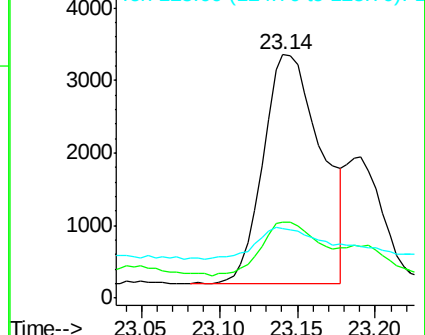
125 28.5 12.2 18.4#

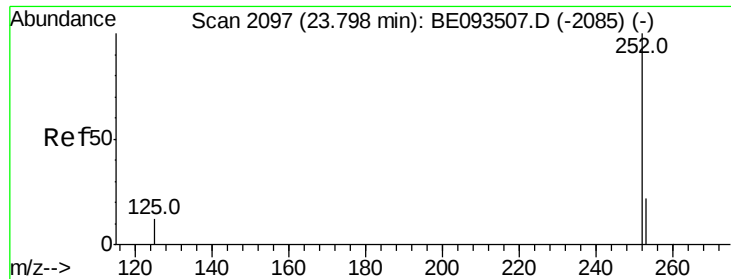


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

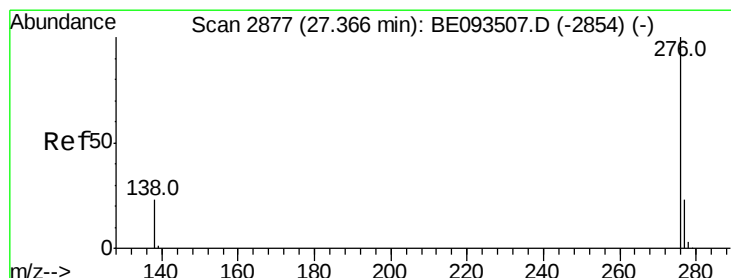
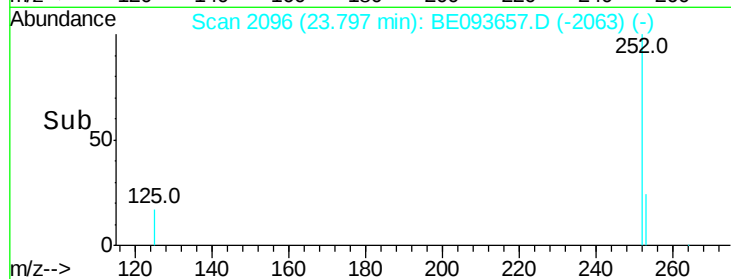
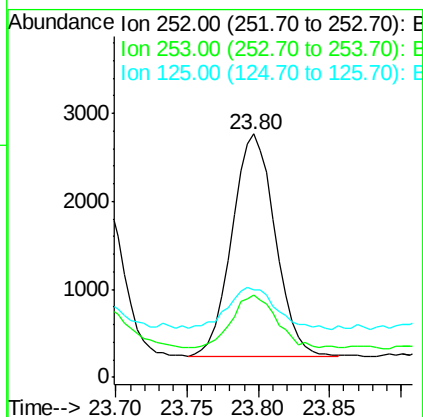
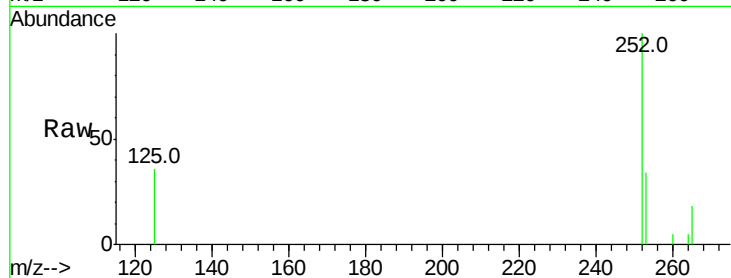




#37
Benzo(a)pyrene
Concen: 0.071 ng
RT: 23.80 min Scan# 2096
Delta R.T. -0.00 min
Lab File: BE093657.D
Acq: 3 Aug 2017 14:34

Instrument :
BNA_E
ClientSampleId :

Tot Ion:252 Resp: 5347
Ion Ratio Lower Upper
252 100
253 34.0 19.9 29.9#
125 36.1 14.6 21.8#



#39
Benzo(g,h,i)perylene
Concen: 0.054 ng
RT: 27.36 min Scan# 2875
Delta R.T. -0.00 min
Lab File: BE093657.D
Acq: 3 Aug 2017 14:34

Tgt Ion:276 Resp: 3972
Ion Ratio Lower Upper
276 100
277 33.4 21.2 31.8#
138 33.8 24.5 36.7

