

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE101617\
 Data File : BE094418.D
 Acq On : 16 Oct 2017 15:29
 Operator : SJ/JU
 Sample : I5266-21
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RR-PAH-WP

Quant Time: Oct 16 16:19:04 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE101617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 16 14:54:40 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	1202	0.40	ng	0.00
7) Naphthalene-d8	10.71	136	6299	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	3860	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	6442	0.40	ng	-0.03
27) Chrysene-d12	21.43	240	9627	0.40	ng	0.00
34) Perylene-d12	23.96	264	9232	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.53	112	1815	0.45	ng	0.00
5) Phenol-d6	7.12	99	2540	0.40	ng	0.00
8) Nitrobenzene-d5	9.08	82	2231	0.41	ng	0.00
11) 2-Methylnaphthalene-d10	12.29	152	4207	0.43	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	518	0.35	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	5757	0.42	ng	0.00
25) Fluoranthene-d10	19.29	212	49660	0.48	ng	0.00
29) Terphenyl-d14	19.87	244	8191	0.42	ng	0.00

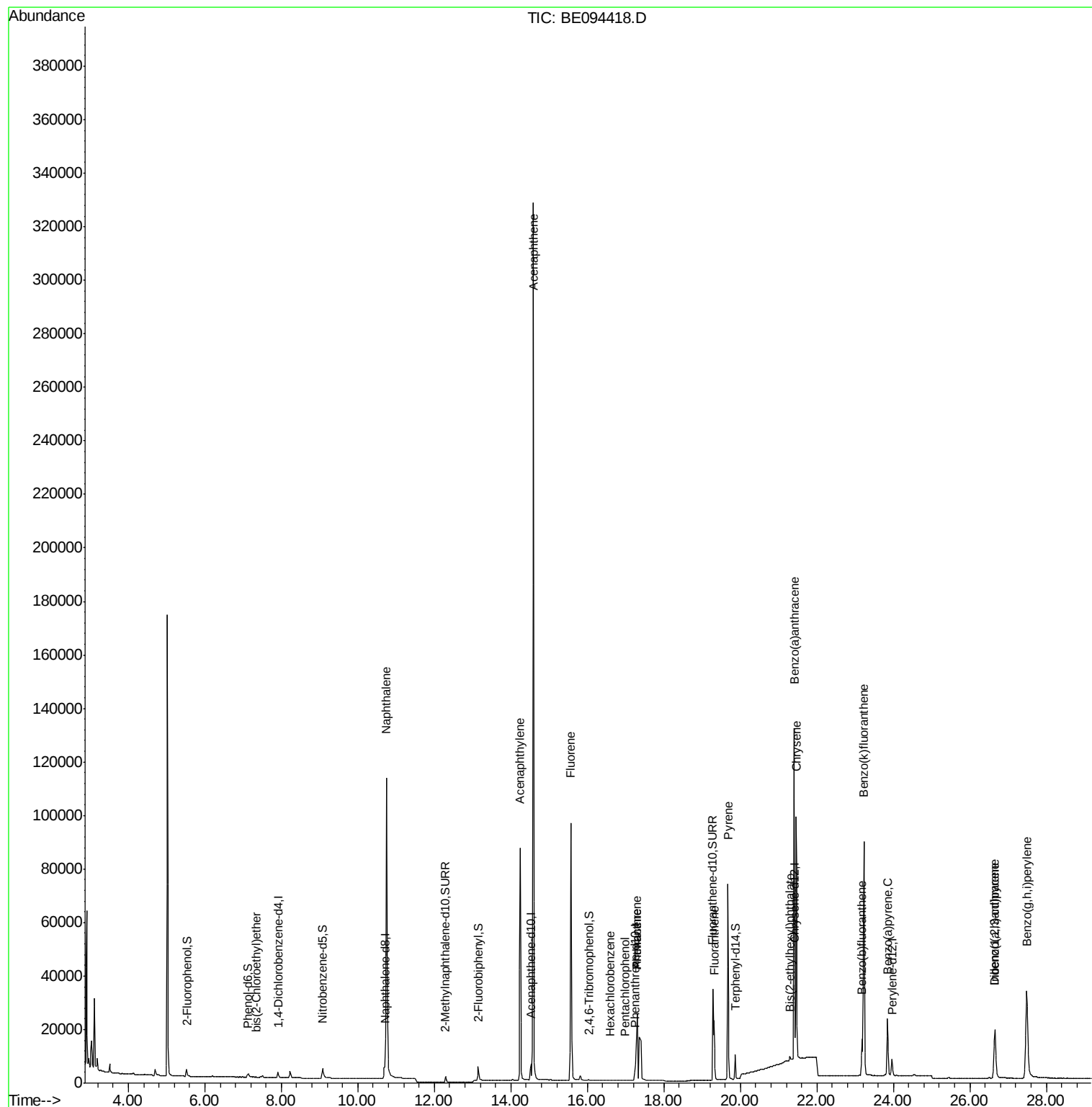
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.51	88	46	Below Cal		# 1
6) bis(2-Chloroethyl)ether	7.34	93	103	0.022	ng	# 56
9) Naphthalene	10.74	128	253881	3.604	ng	99
16) Acenaphthylene	14.24	152	99381	4.748	ng	100
17) Acenaphthene	14.58	154	179878	13.648	ng	98
18) Fluorene	15.56	166	70007	4.119	ng	99
21) Hexachlorobenzene	16.58	284	4	0.028	ng	# 38
22) Pentachlorophenol	16.98	266	16	0.180	ng	95
23) Phenanthrene	17.30	178	43386	1.711	ng	# 88
24) Anthracene	17.30	178	43381	2.215	ng	# 91
26) Fluoranthene	19.32	202	21846	0.694	ng	99
28) Pyrene	19.67	202	68357	1.882	ng	99
30) Benzo(a)anthracene	21.40	228	121298	3.643	ng	# 62
31) Chrysene	21.46	228	88356	2.757	ng	# 64
32) Bis(2-ethylhexyl)phthalate	21.29	149	2497	0.026	ng	# 94
33) Indeno(1,2,3-cd)pyrene	26.65	276	22359	0.693	ng	99
35) Benzo(b)fluoranthene	23.18	252	19535	0.624	ng	# 44
36) Benzo(k)fluoranthene	23.23	252	126496	4.100	ng	# 39
37) Benzo(a)pyrene	23.85	252	35507	1.206	ng	# 35
38) Dibenzo(a,h)anthracene	26.66	278	23298	0.836	ng	# 47
39) Benzo(g,h,i)perylene	27.49	276	89241	3.330	ng	# 53

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

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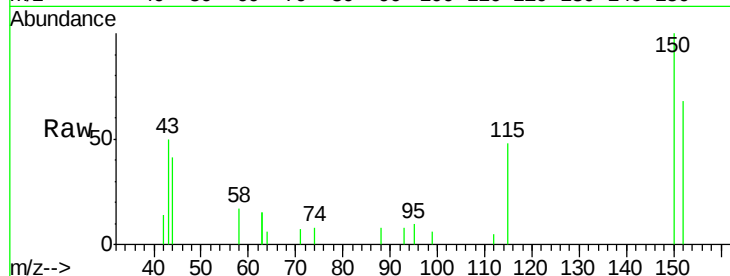


#1

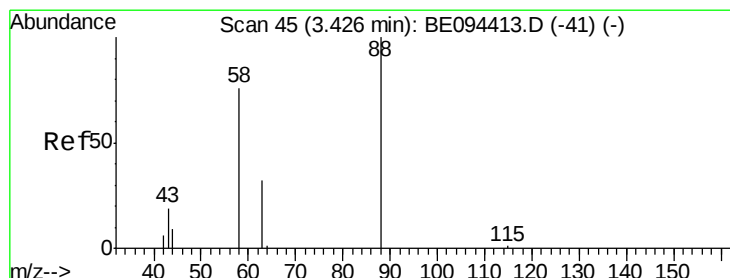
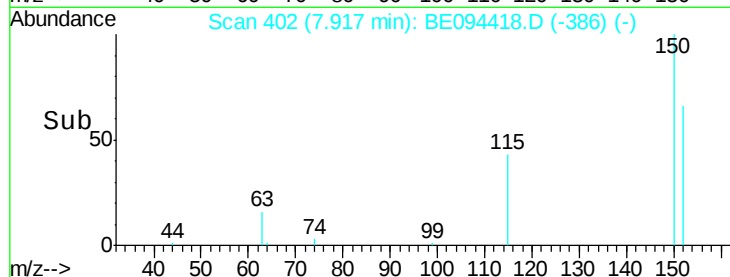
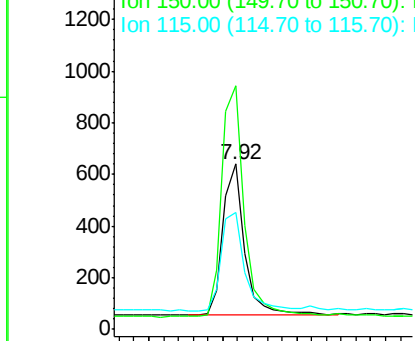
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.92 min Scan# 402
Delta R.T. -0.00 min
Lab File: BE094418.D
Acq: 16 Oct 2017 15:29

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WP

Tgt Ion: 152 Resp: 1202
Ion Ratio Lower Upper
152 100
150 147.1 117.2 175.8
115 71.0 57.0 85.6



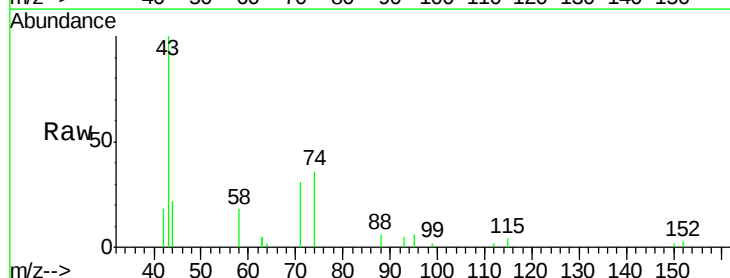
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



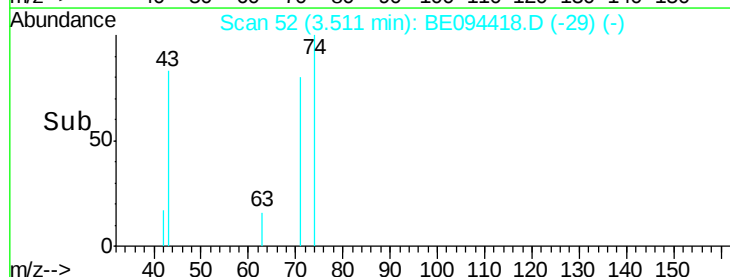
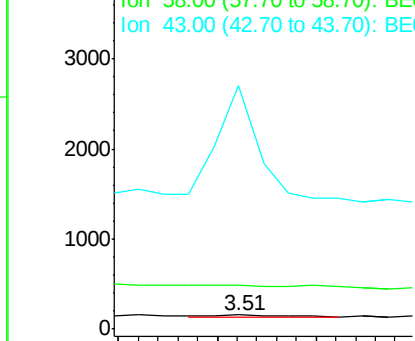
#2

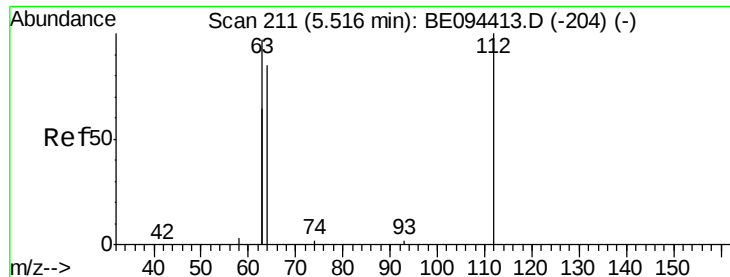
1,4-Dioxane
Concen: Below Cal
RT: 3.51 min Scan# 52
Delta R.T. 0.09 min
Lab File: BE094418.D
Acq: 16 Oct 2017 15:29

Tgt Ion: 88 Resp: 46
Ion Ratio Lower Upper
88 100
58 0.0 63.2 94.8#
43 4180.4 41.2 61.8#



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





#4

2-Fluorophenol

Concen: 0.447 ng

RT: 5.53 min Scan# 212

Delta R.T. 0.01 min

Lab File: BE094418.D

Acq: 16 Oct 2017 15:29

Instrument :

BNA_E

ClientSampleId :

RR-PAH-WP

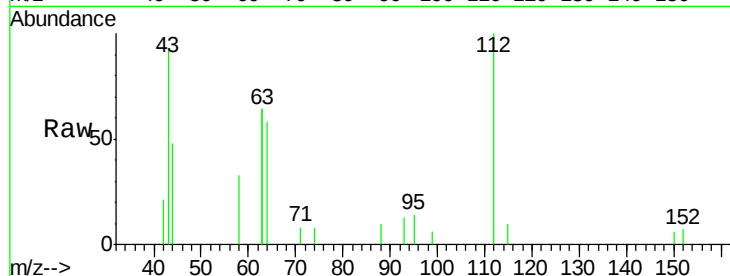
Tgt Ion: 112 Resp: 1815

Ion Ratio Lower Upper

112 100

64 72.8 60.1 90.1

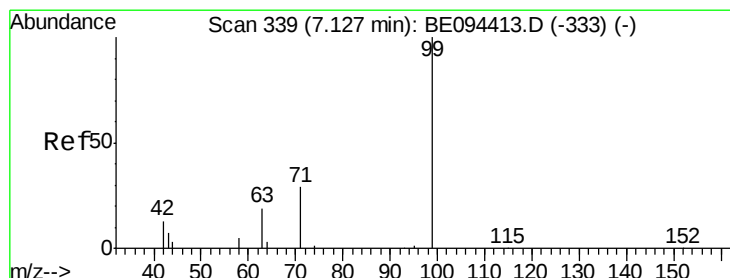
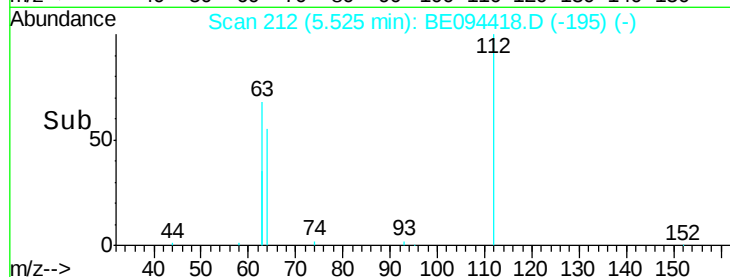
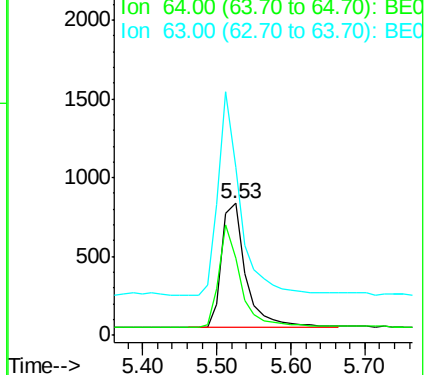
63 149.6 116.8 175.2



Abundance Ion 112.00 (111.70 to 112.70): BE094418.D (-195) (-)

Ion 64.00 (63.70 to 64.70): BE094418.D (-195) (-)

Ion 63.00 (62.70 to 63.70): BE094418.D (-195) (-)



#5

Phenol-d6

Concen: 0.401 ng

RT: 7.12 min Scan# 339

Delta R.T. -0.00 min

Lab File: BE094418.D

Acq: 16 Oct 2017 15:29

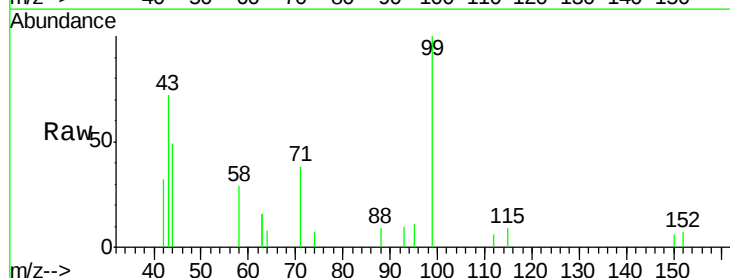
Tgt Ion: 99 Resp: 2540

Ion Ratio Lower Upper

99 100

42 18.7 20.2 30.2#

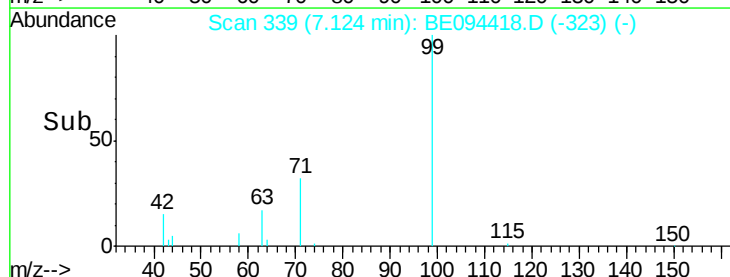
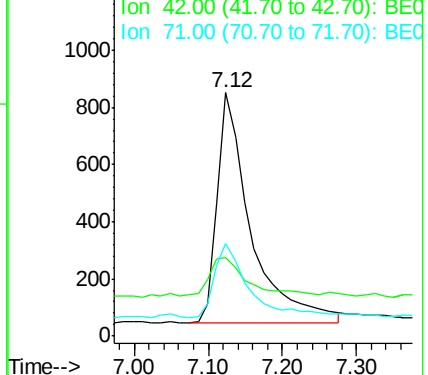
71 32.4 28.4 42.6

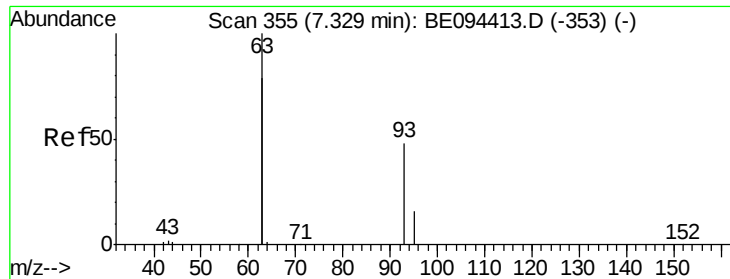


Abundance Ion 99.00 (98.70 to 99.70): BE094418.D (-323) (-)

Ion 42.00 (41.70 to 42.70): BE094418.D (-323) (-)

Ion 71.00 (70.70 to 71.70): BE094418.D (-323) (-)





#6

bis(2-Chloroethyl)ether

Concen: 0.022 ng

RT: 7.34 min Scan# 356

Delta R.T. 0.01 min

Lab File: BE094418.D

Acq: 16 Oct 2017 15:29

Instrument :

BNA_E

ClientSampleId :

RR-PAH-WP

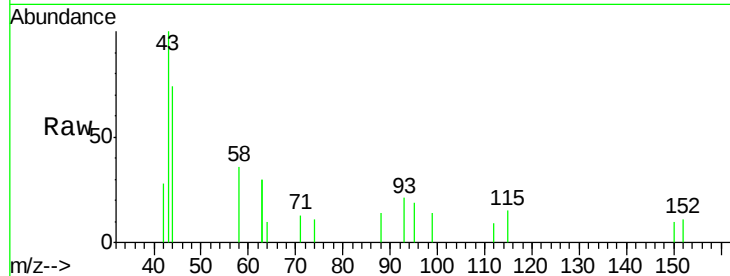
Tgt Ion: 93 Resp: 103

Ion Ratio Lower Upper

93 100

63 246.6 275.3 412.9#

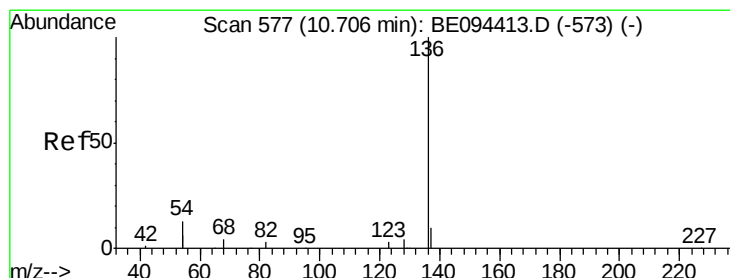
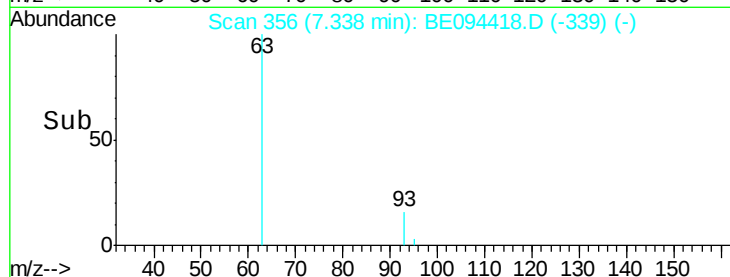
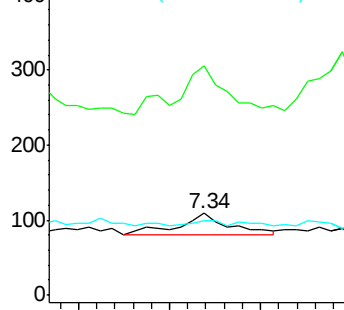
95 14.6 25.2 37.8#



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: 10.71 min Scan# 577

Delta R.T. -0.00 min

Lab File: BE094418.D

Acq: 16 Oct 2017 15:29

Tgt Ion: 136 Resp: 6299

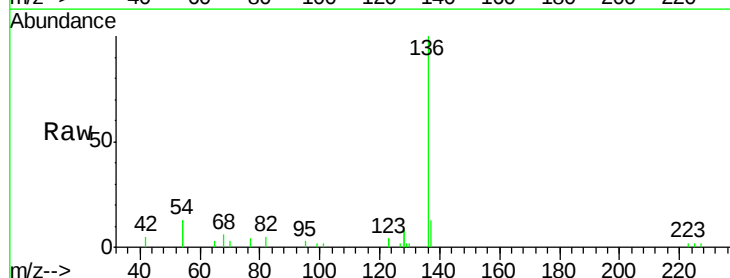
Ion Ratio Lower Upper

136 100

137 12.5 9.5 14.3

54 26.6 29.1 43.7#

68 6.1 6.2 9.2#

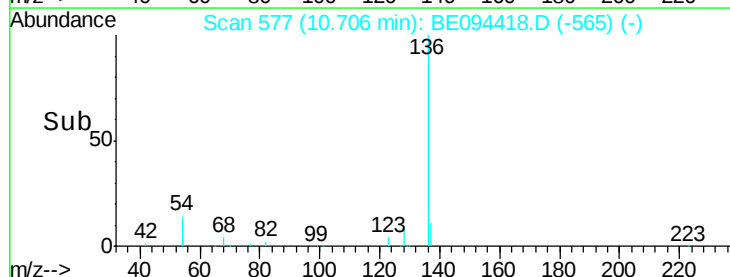
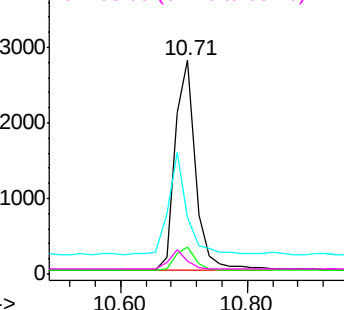


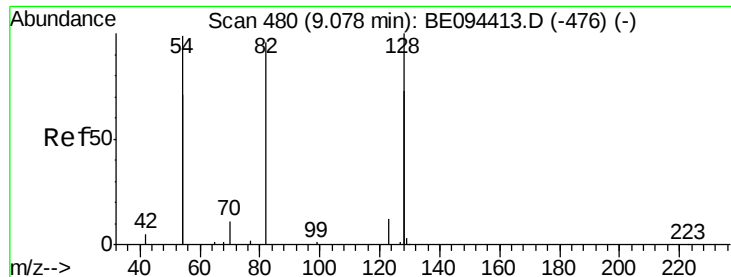
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.408 ng

RT: 9.08 min Scan# 480

Delta R.T. -0.00 min

Lab File: BE094418.D

Acq: 16 Oct 2017 15:29

Instrument :

BNA_E

ClientSampleId :

RR-PAH-WP

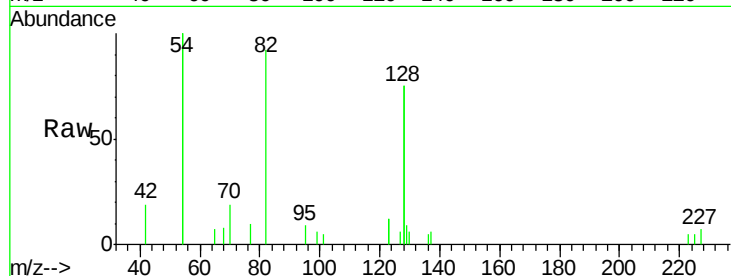
Tgt Ion: 82 Resp: 2231

Ion Ratio Lower Upper

82 100

128 163.8 150.0 225.0

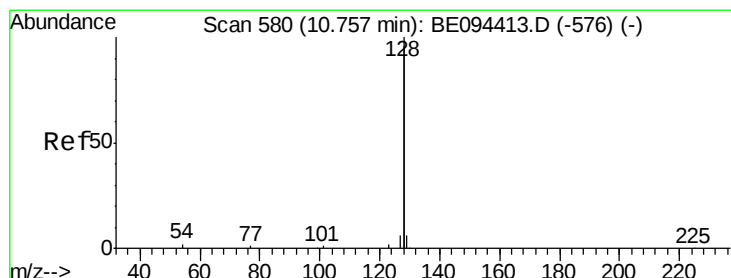
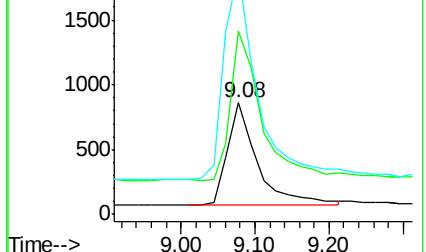
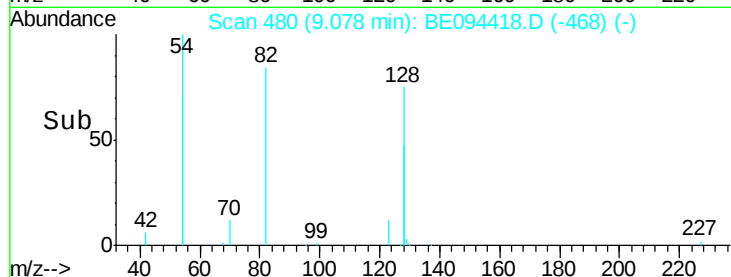
54 218.1 154.2 231.4



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#9

Naphthalene

Concen: 3.604 ng

RT: 10.74 min Scan# 579

Delta R.T. -0.02 min

Lab File: BE094418.D

Acq: 16 Oct 2017 15:29

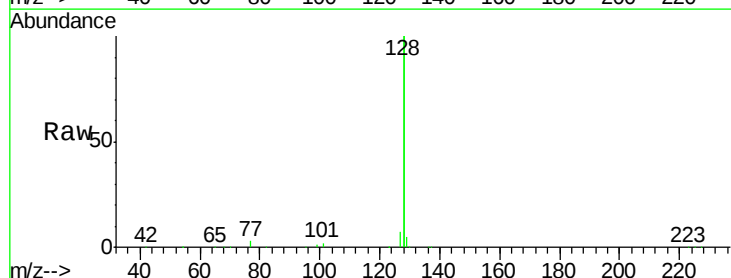
Tgt Ion: 128 Resp: 253881

Ion Ratio Lower Upper

128 100

129 2.7 2.6 3.8

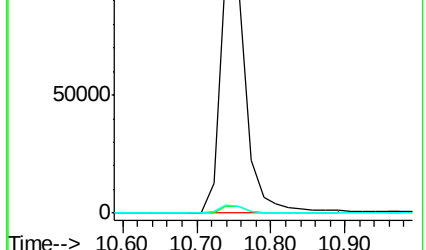
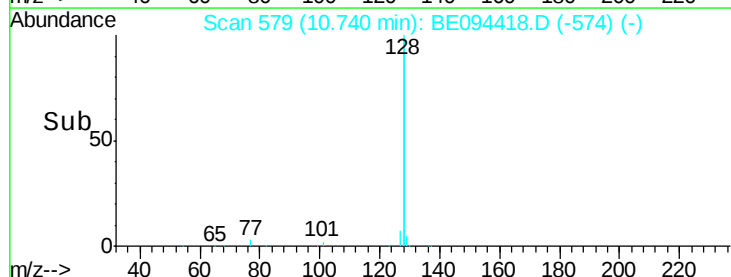
127 3.5 2.8 4.2

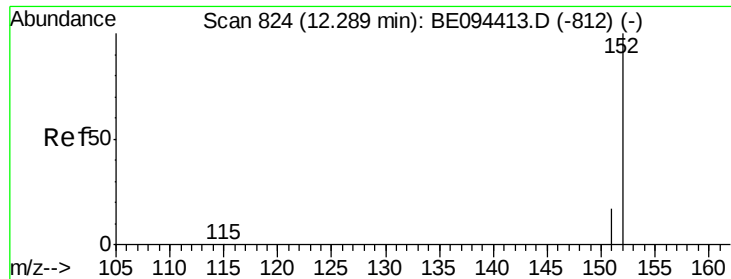


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

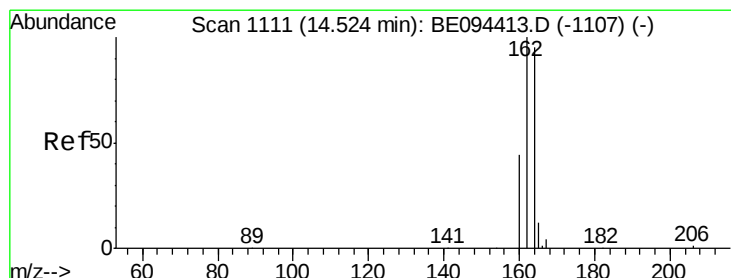
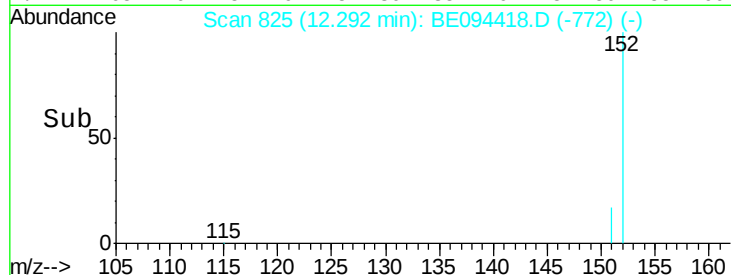
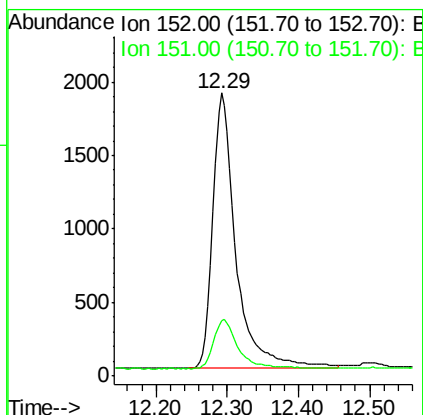
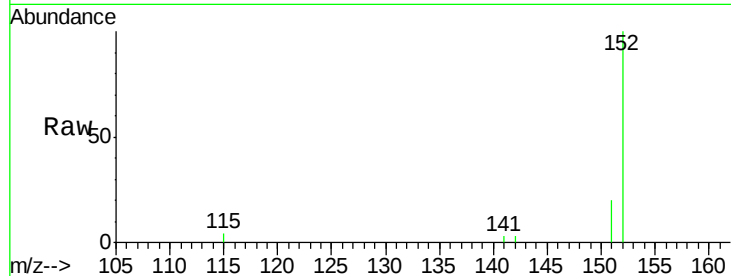




#11
 2-Methylnaphthalene-d10
 Concen: 0.433 ng
 RT: 12.29 min Scan# 825
 Delta R.T. 0.00 min
 Lab File: BE094418.D
 Acq: 16 Oct 2017 15:29

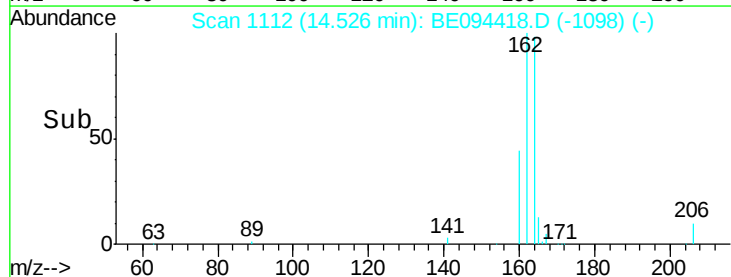
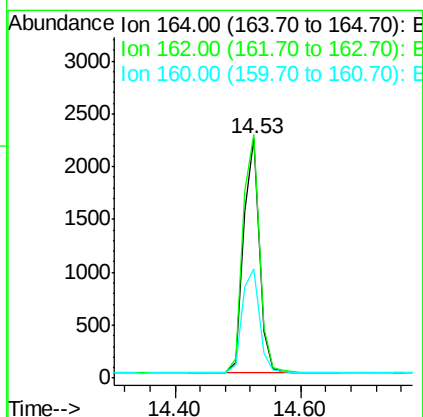
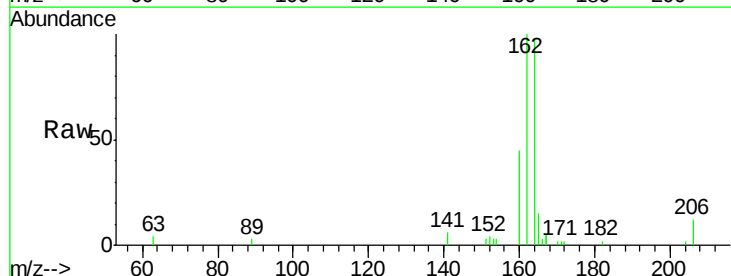
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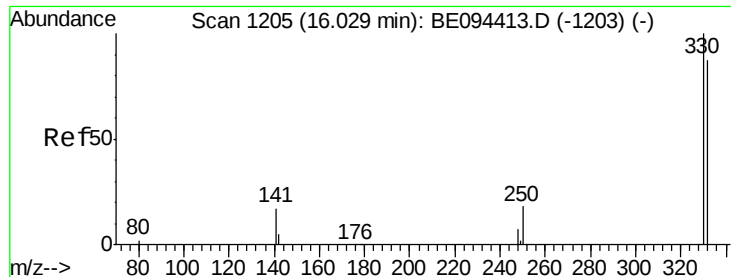
Tgt Ion:152 Resp: 4207
 Ion Ratio Lower Upper
 152 100
 151 18.6 15.4 23.0



#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.53 min Scan# 1112
 Delta R.T. 0.00 min
 Lab File: BE094418.D
 Acq: 16 Oct 2017 15:29

Tgt Ion:164 Resp: 3860
 Ion Ratio Lower Upper
 164 100
 162 101.8 83.1 124.7
 160 45.8 37.1 55.7

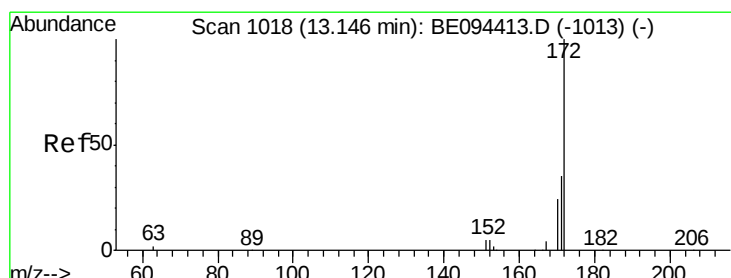
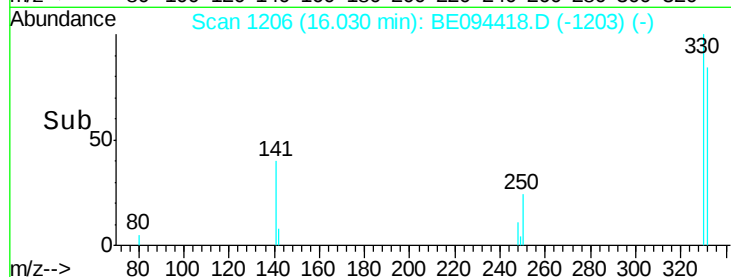
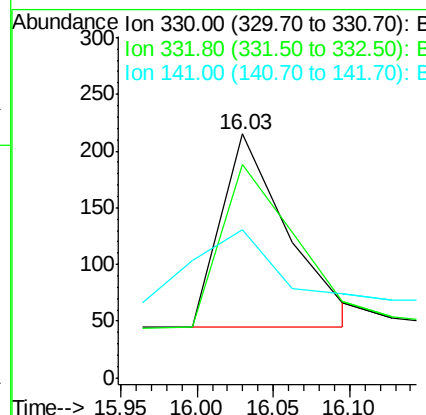
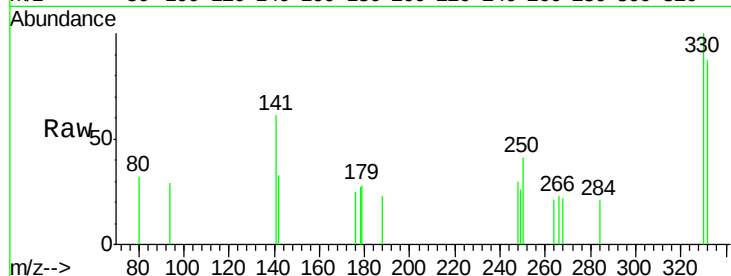




#14
 2,4,6-Tribromophenol
 Concen: 0.352 ng
 RT: 16.03 min Scan# 1206
 Delta R.T. 0.00 min
 Lab File: BE094418.D
 Acq: 16 Oct 2017 15:29

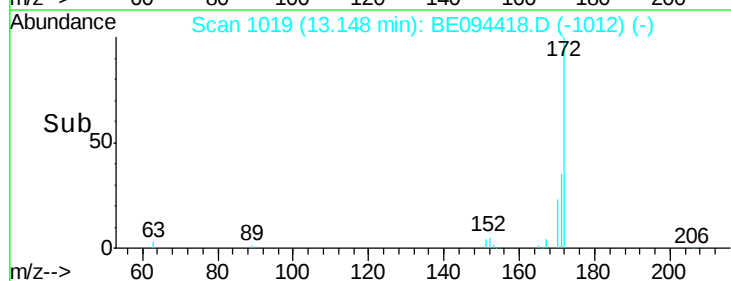
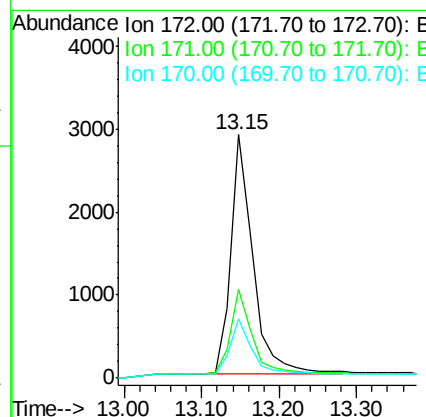
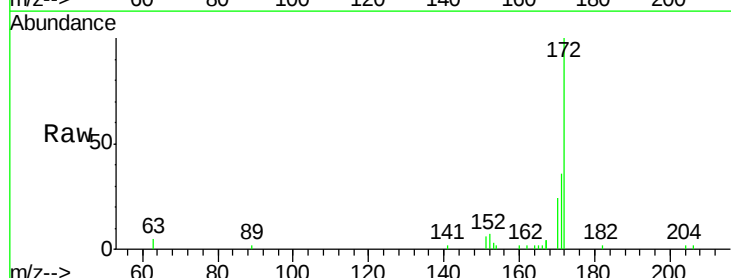
Instrument :
 BNA_E
 ClientSampleId :
 RR-PAH-WP

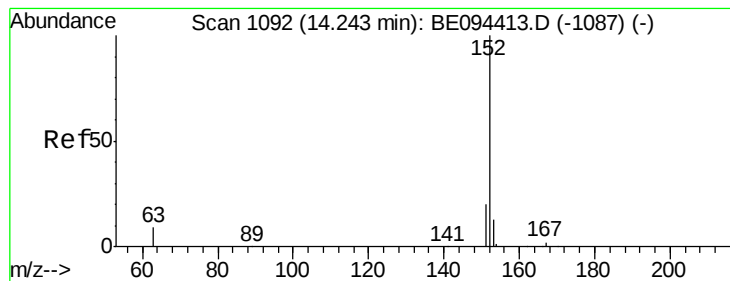
Tgt Ion: 330 Resp: 518
 Ion Ratio Lower Upper
 330 100
 332 93.6 152.7 229.1#
 141 0.0 33.7 50.5#



#15
 2-Fluorobiphenyl
 Concen: 0.418 ng
 RT: 13.15 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: BE094418.D
 Acq: 16 Oct 2017 15:29

Tgt Ion: 172 Resp: 5757
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.9 44.9
 170 24.5 21.8 32.8





#16

Acenaphthylene

Concen: 4.748 ng

RT: 14.24 min Scan# 1093

Delta R.T. 0.00 min

Lab File: BE094418.D

Acq: 16 Oct 2017 15:29

Instrument :

BNA_E

ClientSampleId :

RR-PAH-WP

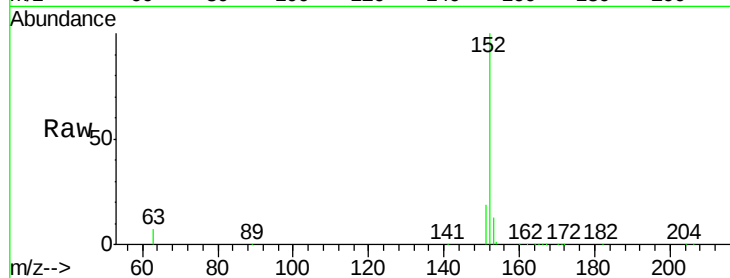
Tgt Ion:152 Resp: 99381

Ion Ratio Lower Upper

152 100

151 19.5 15.7 23.5

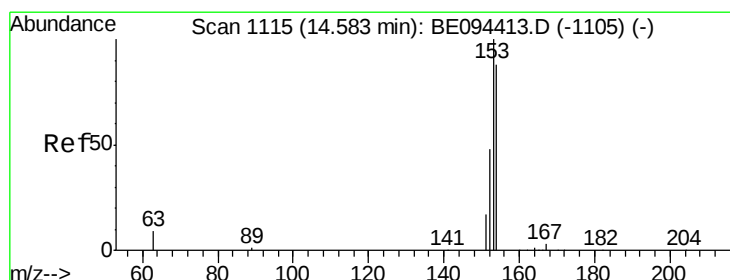
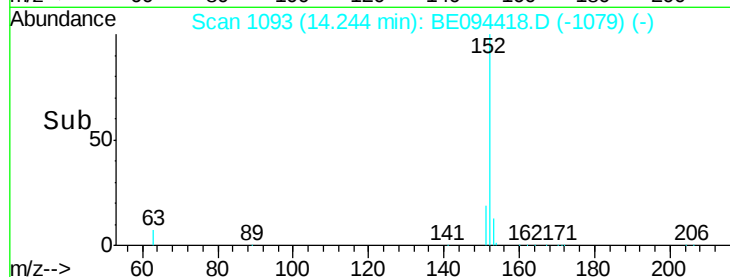
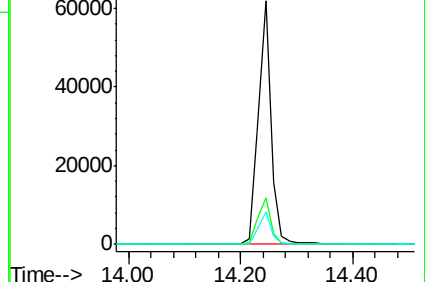
153 13.2 10.5 15.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#17

Acenaphthene

Concen: 13.648 ng

RT: 14.58 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BE094418.D

Acq: 16 Oct 2017 15:29

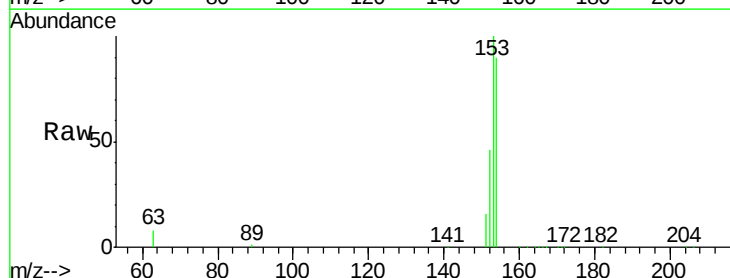
Tgt Ion:154 Resp: 179878

Ion Ratio Lower Upper

154 100

153 113.5 89.2 133.8

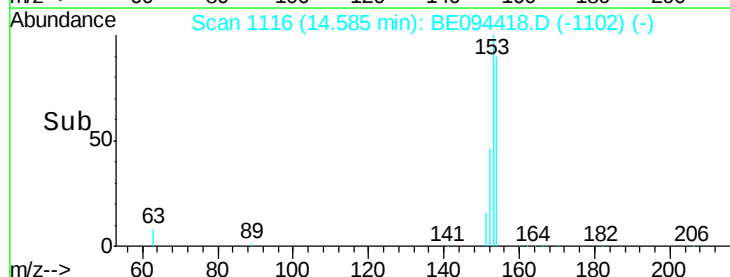
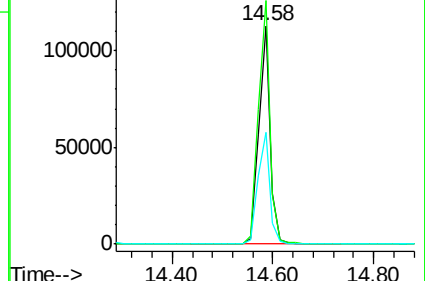
152 53.5 42.0 63.0

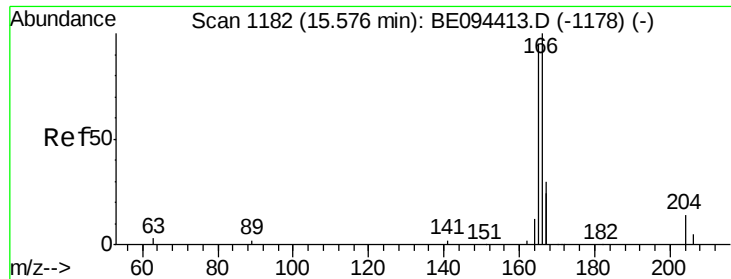


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

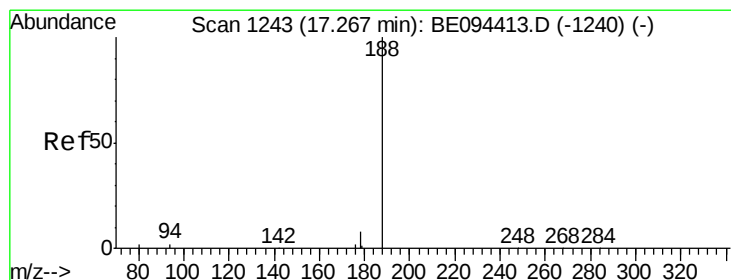
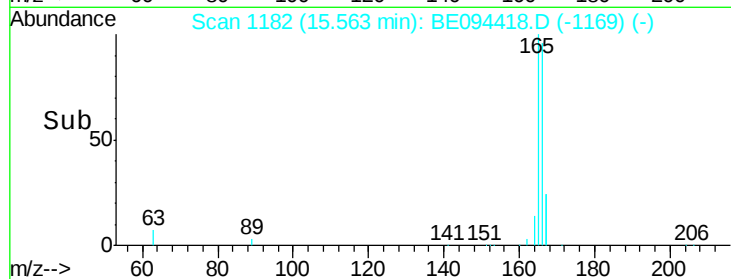
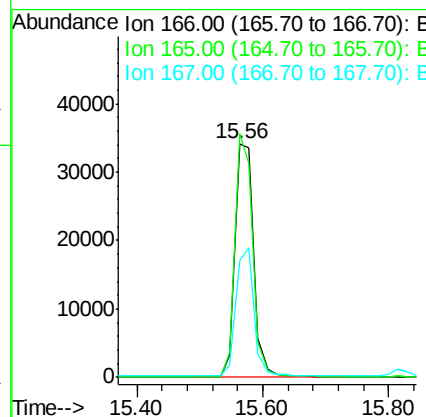
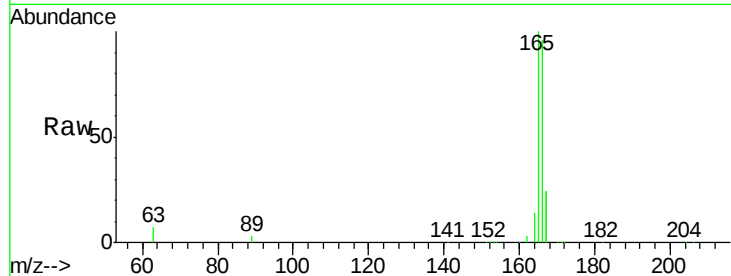




#18
Fluorene
 Concen: 4.119 ng
 RT: 15.56 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: BE094418.D
 Acq: 16 Oct 2017 15:29

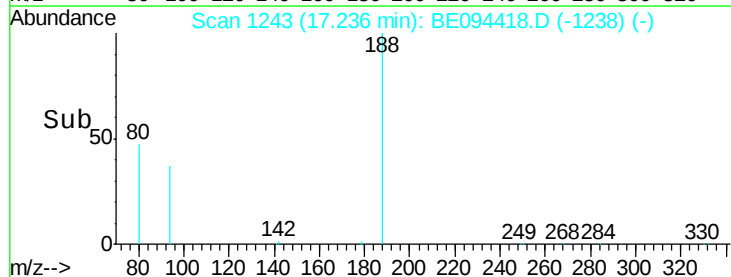
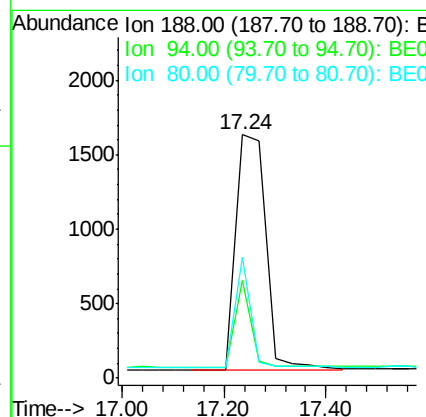
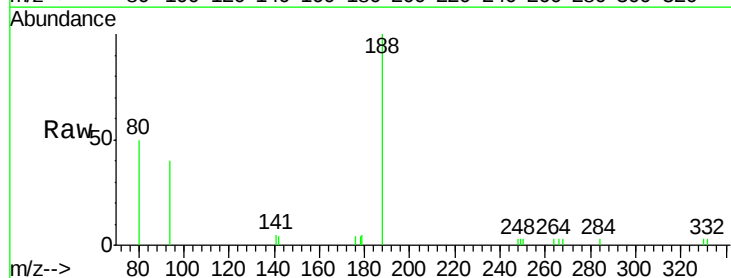
Instrument :
 BNA_E
 ClientSampleId :
 RR-PAH-WP

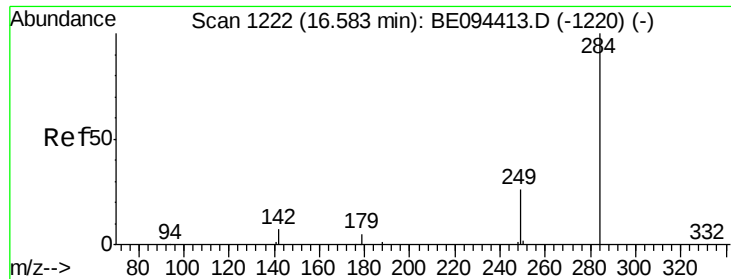
Tgt Ion:166 Resp: 70007
 Ion Ratio Lower Upper
 166 100
 165 98.6 77.8 116.6
 167 52.9 42.4 63.6



#19
Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.24 min Scan# 1243
 Delta R.T. -0.03 min
 Lab File: BE094418.D
 Acq: 16 Oct 2017 15:29

Tgt Ion:188 Resp: 6442
 Ion Ratio Lower Upper
 188 100
 94 40.3 3.9 5.9#
 80 49.7 3.6 5.4#





#21

Hexachlorobenzene

Concen: 0.028 ng

RT: 16.58 min Scan# 1223

Delta R.T. 0.00 min

Lab File: BE094418.D

Acq: 16 Oct 2017 15:29

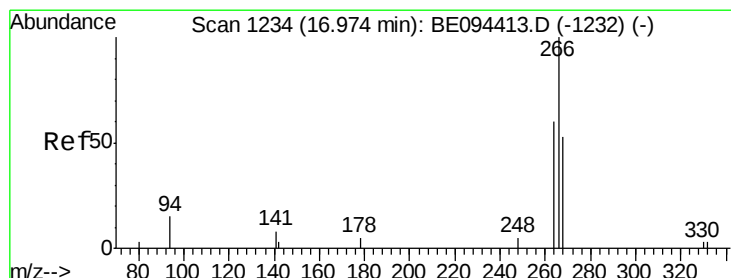
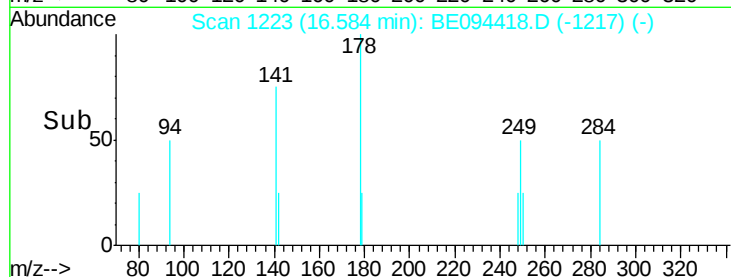
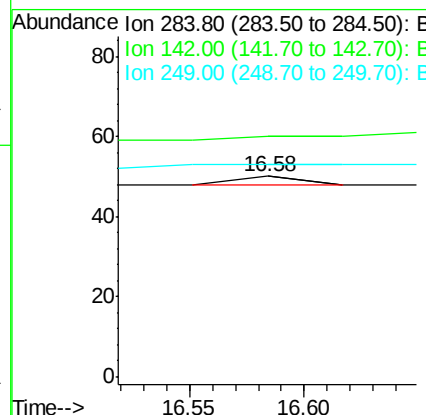
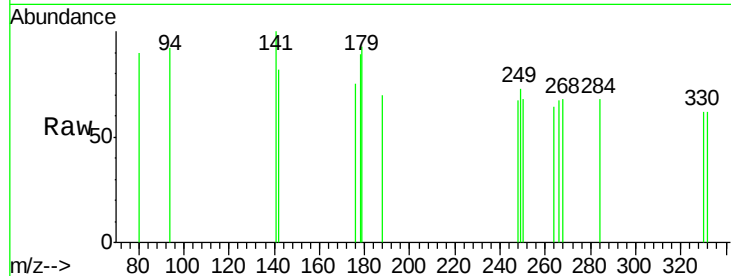
Instrument :

BNA_E

ClientSampleId :

RR-PAH-WP

Tgt Ion:	284	Resp:	4
Ion	Ratio	Lower	Upper
284	100		
142	0.0	22.1	33.1#
249	0.0	34.8	52.2#



#22

Pentachlorophenol

Concen: 0.180 ng

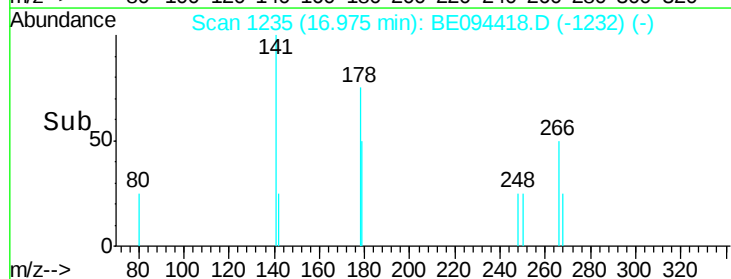
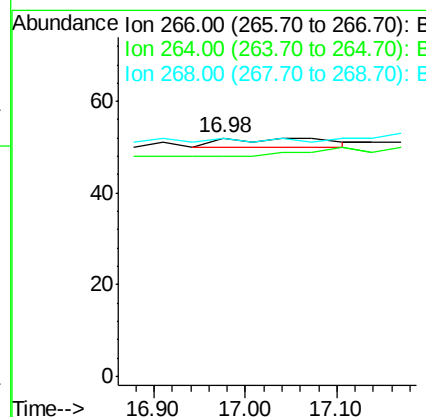
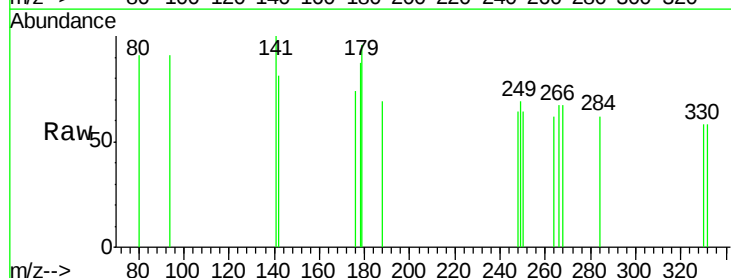
RT: 16.98 min Scan# 1235

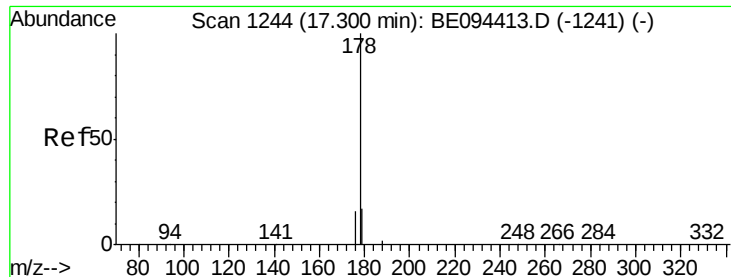
Delta R.T. 0.00 min

Lab File: BE094418.D

Acq: 16 Oct 2017 15:29

Tgt Ion:	266	Resp:	16
Ion	Ratio	Lower	Upper
266	100		
264	92.3	72.5	108.7
268	100.0	73.8	110.6





#23

Phenanthrene

Concen: 1.711 ng

RT: 17.30 min Scan# 1245

Delta R.T. 0.00 min

Lab File: BE094418.D

Acq: 16 Oct 2017 15:29

Instrument :

BNA_E

ClientSampleId :

RR-PAH-WP

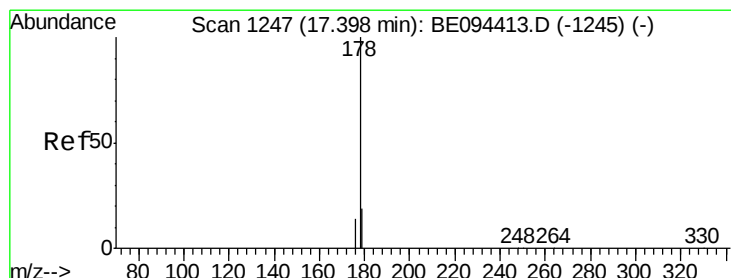
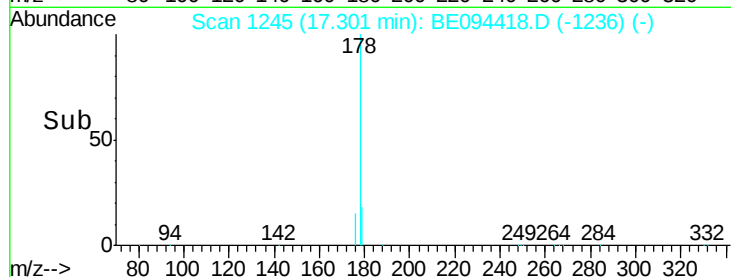
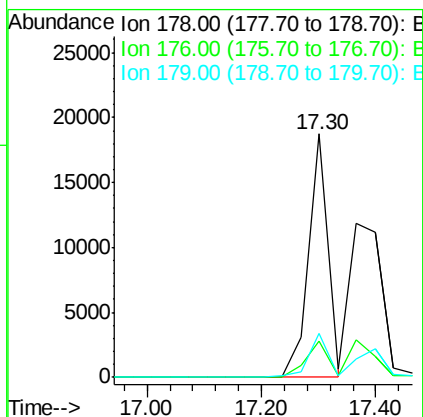
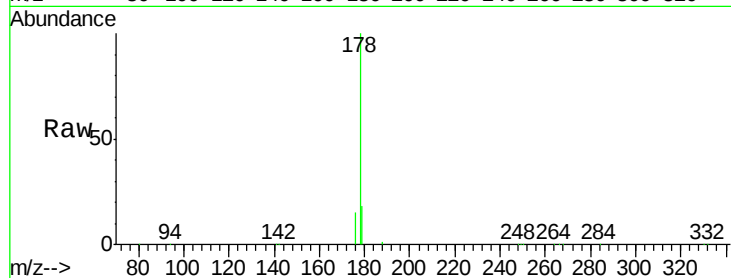
Tgt Ion:178 Resp: 43386

Ion Ratio Lower Upper

178 100

176 16.8 15.1 22.7

179 23.2 11.8 17.6#



#24

Anthracene

Concen: 2.215 ng

RT: 17.30 min Scan# 1245

Delta R.T. -0.10 min

Lab File: BE094418.D

Acq: 16 Oct 2017 15:29

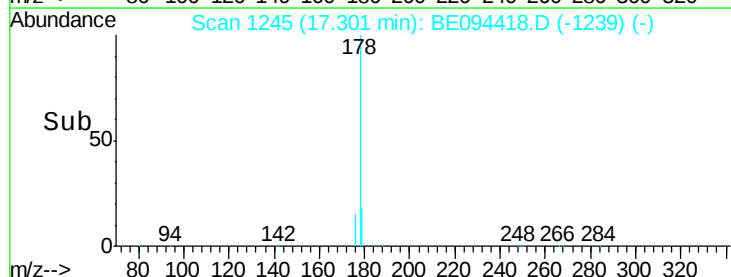
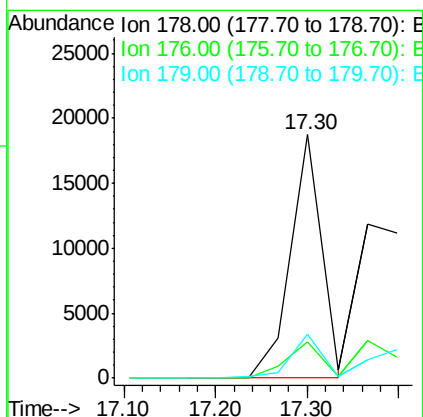
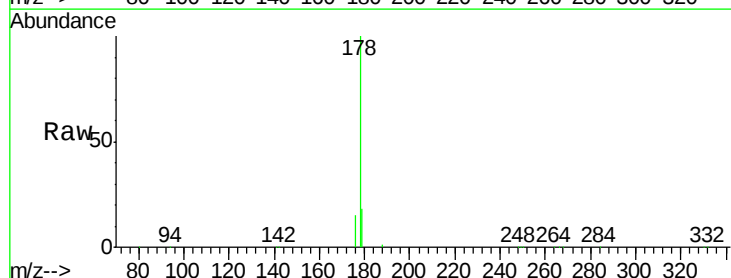
Tgt Ion:178 Resp: 43381

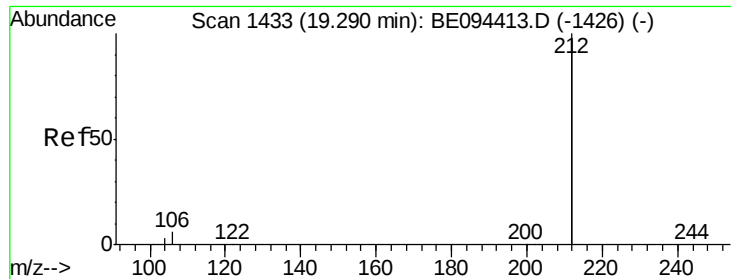
Ion Ratio Lower Upper

178 100

176 16.8 12.8 19.2

179 23.1 13.0 19.6#





#25

Fluoranthene-d10

Concen: 0.479 ng

RT: 19.29 min Scan# 1434

Delta R.T. -0.00 min

Lab File: BE094418.D

Acq: 16 Oct 2017 15:29

Instrument :

BNA_E

ClientSampleId :

RR-PAH-WP

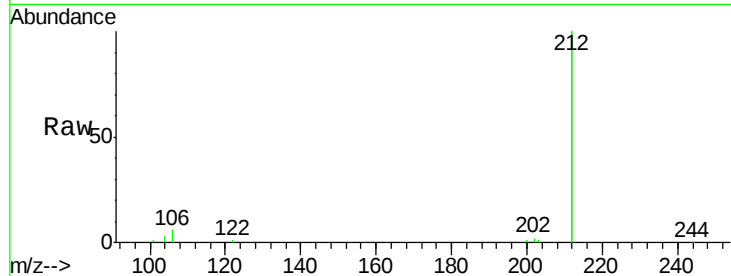
Tgt Ion:212 Resp: 49660

Ion Ratio Lower Upper

212 100

106 3.5 2.8 4.2

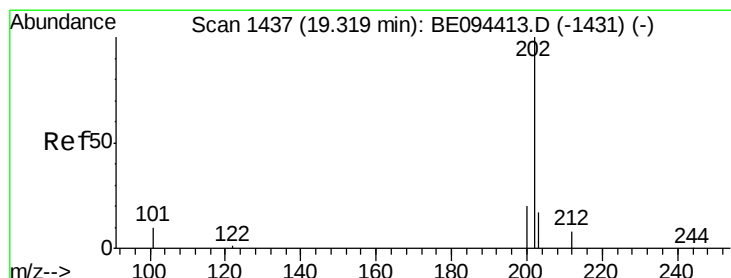
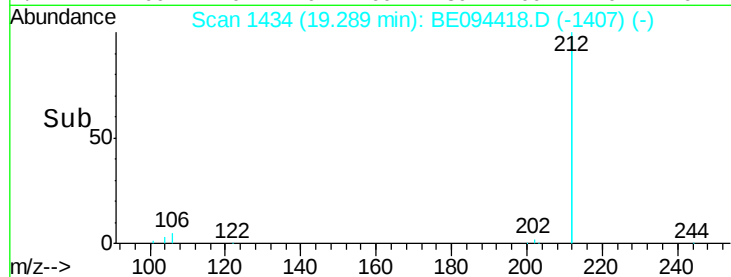
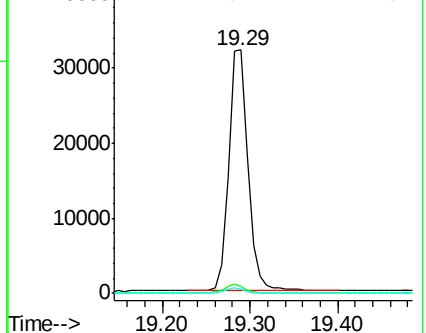
104 1.8 1.6 2.4



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: 0.694 ng

RT: 19.32 min Scan# 1438

Delta R.T. -0.00 min

Lab File: BE094418.D

Acq: 16 Oct 2017 15:29

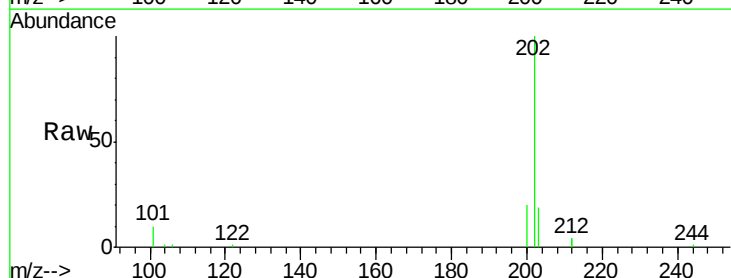
Tgt Ion:202 Resp: 21846

Ion Ratio Lower Upper

202 100

101 12.1 9.8 14.8

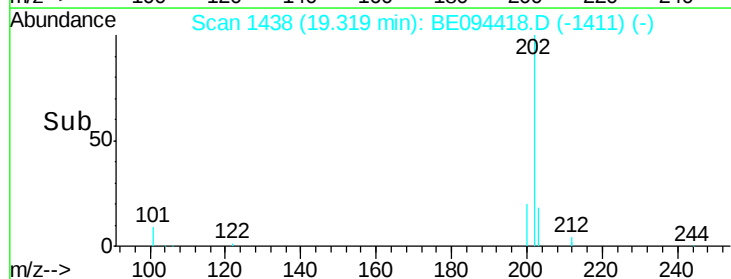
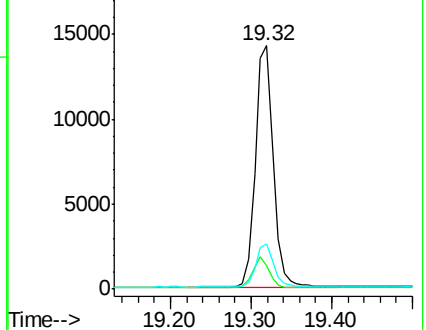
203 17.6 13.7 20.5

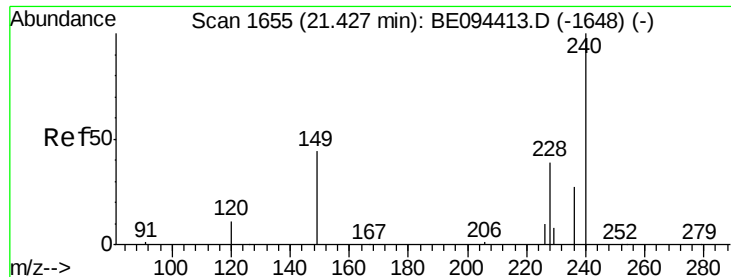


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.43 min Scan# 1656

Delta R.T. -0.00 min

Lab File: BE094418.D

Acq: 16 Oct 2017 15:29

Instrument :

BNA_E

ClientSampleId :

RR-PAH-WP

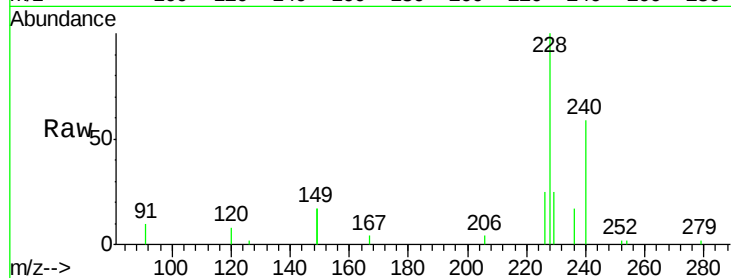
Tgt Ion:240 Resp: 9627

Ion Ratio Lower Upper

240 100

120 13.2 5.5 8.3#

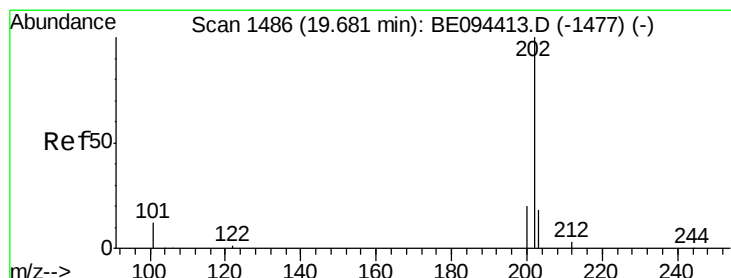
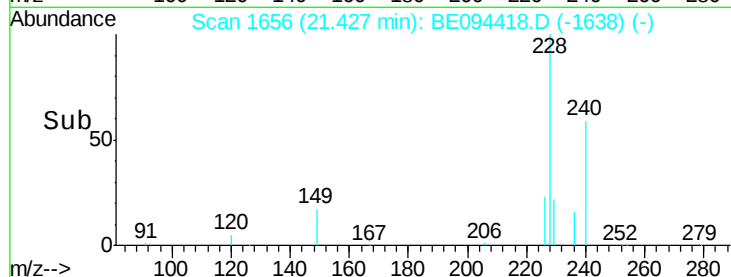
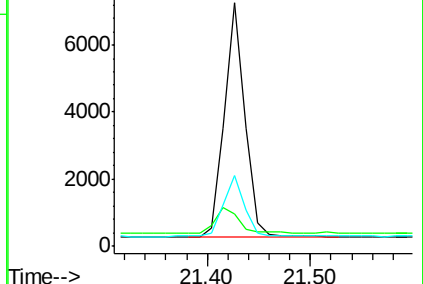
236 29.3 20.7 31.1



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: 1.882 ng

RT: 19.67 min Scan# 1486

Delta R.T. -0.01 min

Lab File: BE094418.D

Acq: 16 Oct 2017 15:29

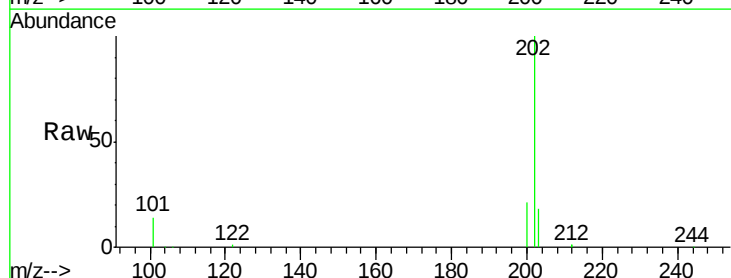
Tgt Ion:202 Resp: 68357

Ion Ratio Lower Upper

202 100

200 20.6 16.6 25.0

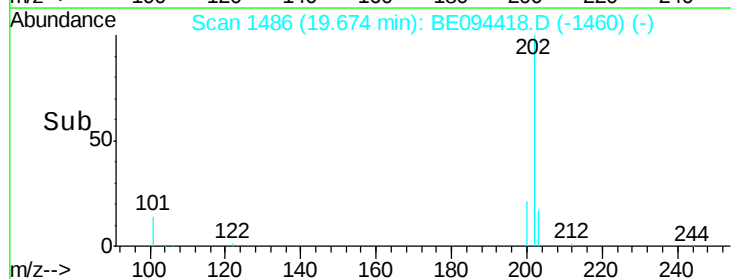
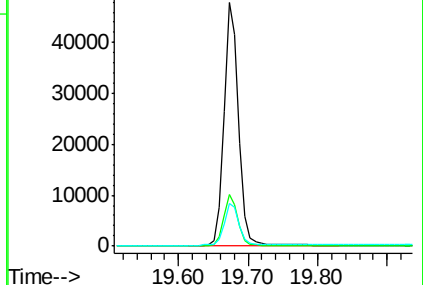
203 17.7 13.8 20.8

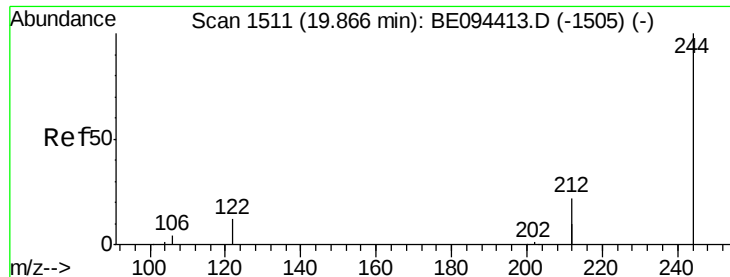


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.422 ng

RT: 19.87 min Scan# 1512

Delta R.T. -0.00 min

Lab File: BE094418.D

Acq: 16 Oct 2017 15:29

Instrument :

BNA_E

ClientSampleId :

RR-PAH-WP

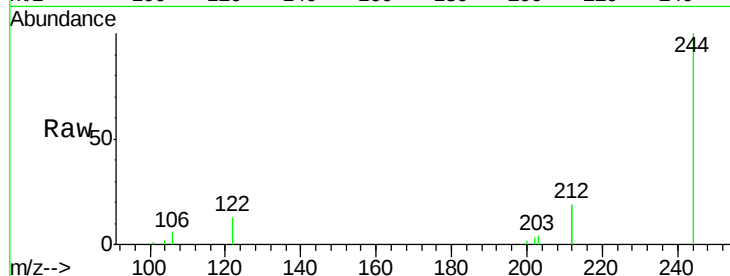
Tgt Ion:244 Resp: 8191

Ion Ratio Lower Upper

244 100

212 38.5 25.4 38.0#

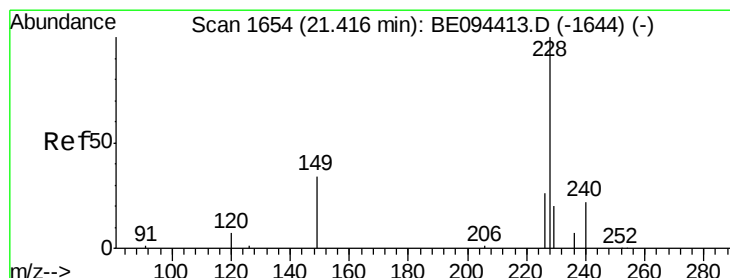
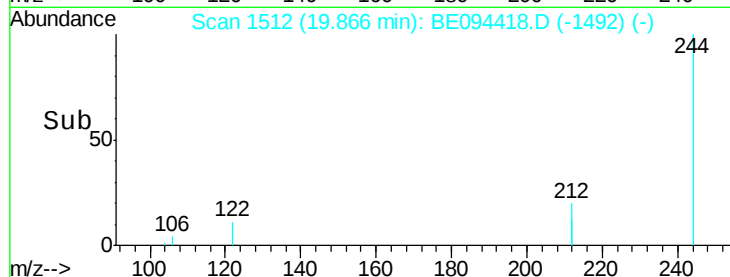
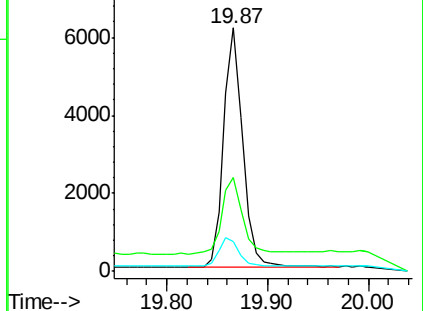
122 12.5 8.1 12.1#



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: 3.643 ng

RT: 21.40 min Scan# 1654

Delta R.T. -0.01 min

Lab File: BE094418.D

Acq: 16 Oct 2017 15:29

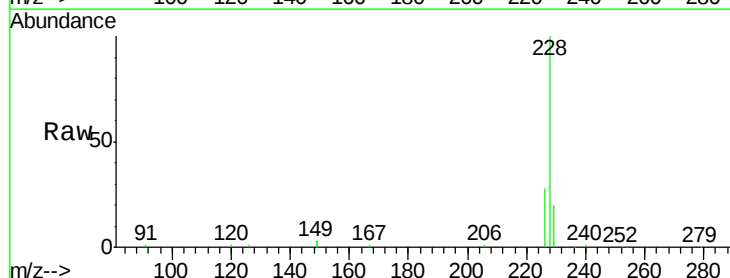
Tgt Ion:228 Resp: 121298

Ion Ratio Lower Upper

228 100

226 27.7 40.0 60.0#

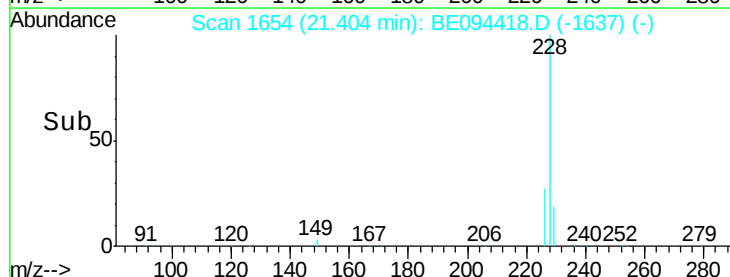
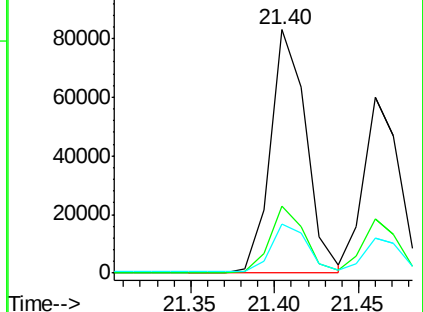
229 19.9 40.0 60.0#

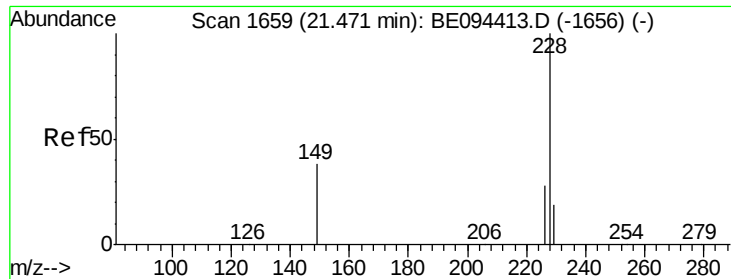


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 2.757 ng

RT: 21.46 min Scan# 1659

Delta R.T. -0.01 min

Lab File: BE094418.D

Acq: 16 Oct 2017 15:29

Instrument :

BNA_E

ClientSampleId :

RR-PAH-WP

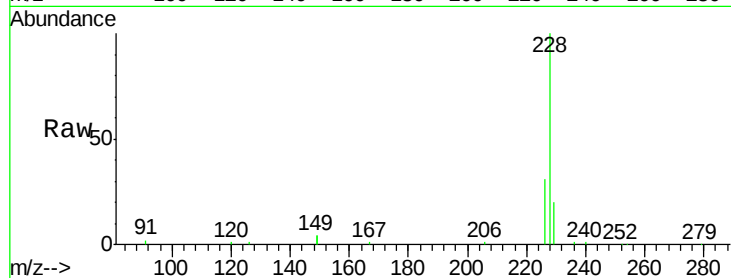
Tgt Ion: 228 Resp: 88356

Ion Ratio Lower Upper

228 100

226 30.9 40.0 60.0#

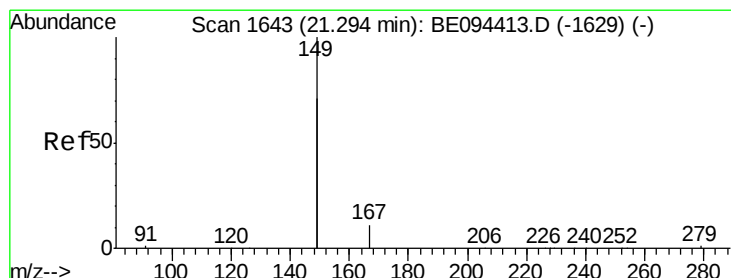
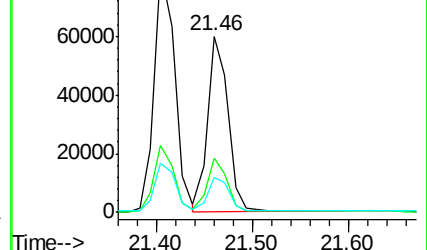
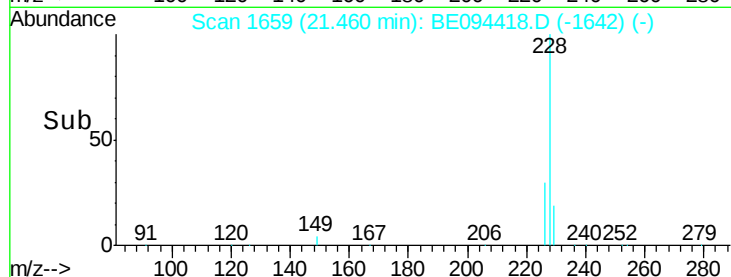
229 19.8 40.0 60.0#



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: 0.026 ng

RT: 21.29 min Scan# 1644

Delta R.T. 0.00 min

Lab File: BE094418.D

Acq: 16 Oct 2017 15:29

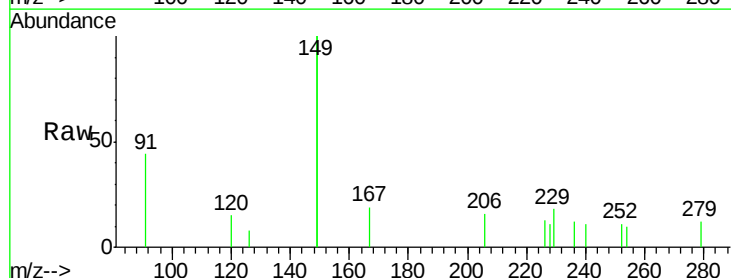
Tgt Ion: 149 Resp: 2497

Ion Ratio Lower Upper

149 100

167 8.9 5.4 8.0#

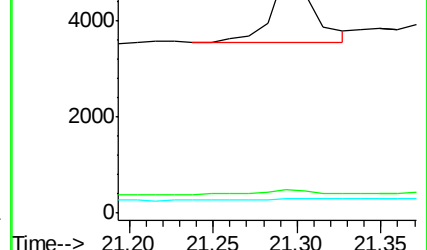
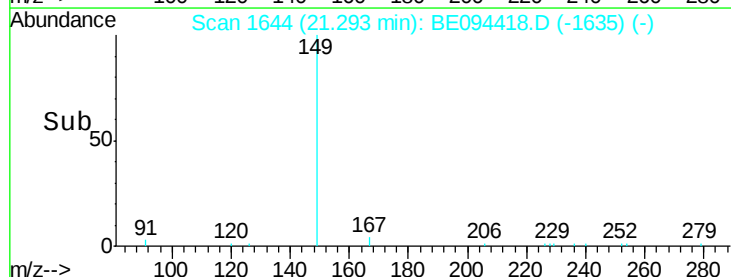
279 0.0 0.7 1.1#

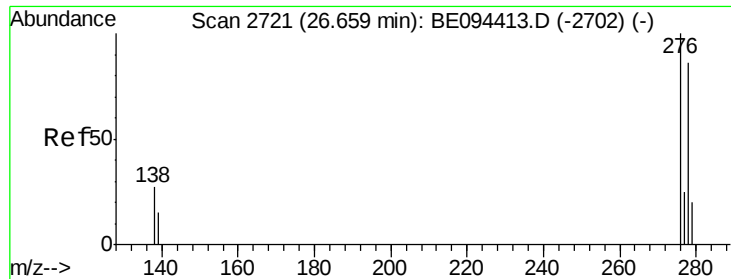


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

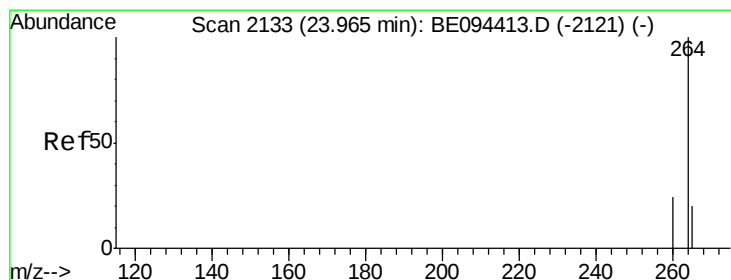
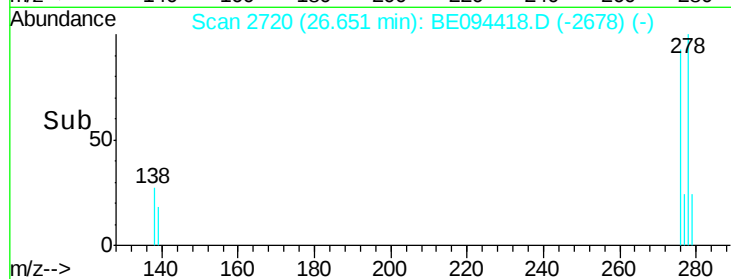
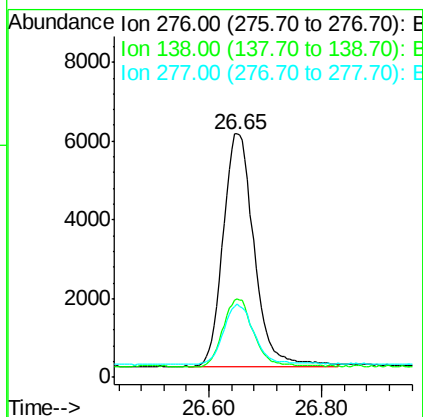
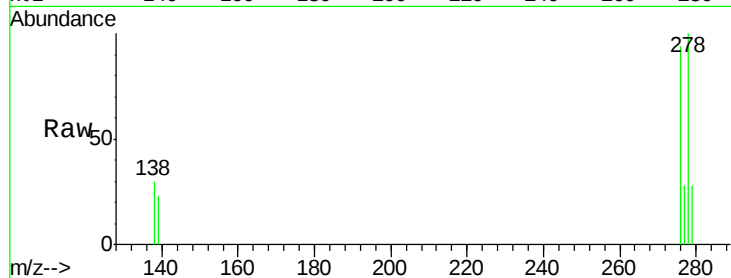




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.693 ng
 RT: 26.65 min Scan# 2720
 Delta R.T. -0.01 min
 Lab File: BE094418.D
 Acq: 16 Oct 2017 15:29

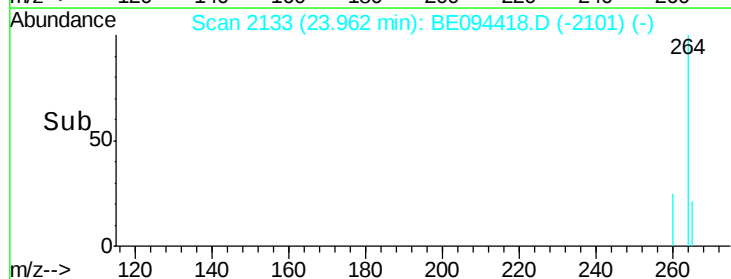
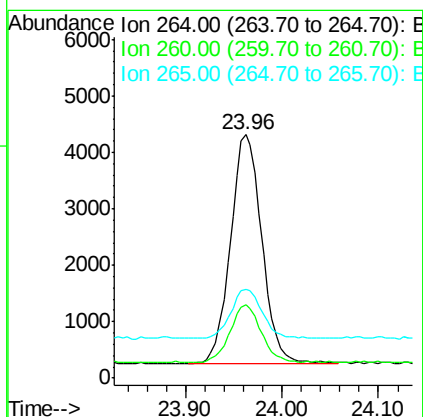
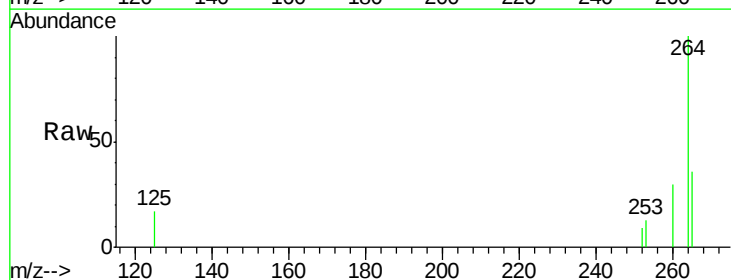
Instrument :
 BNA_E
 ClientSampleId :
 RR-PAH-WP

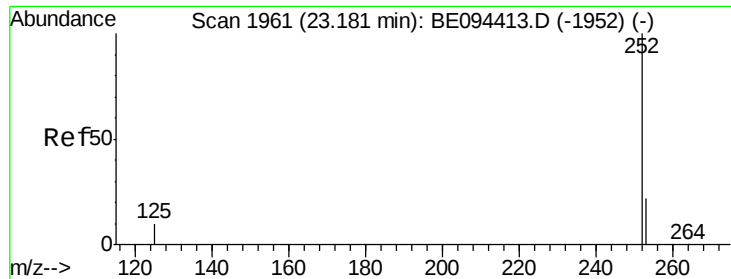
Tgt Ion:276 Resp: 22359
 Ion Ratio Lower Upper
 276 100
 138 29.1 22.5 33.7
 277 25.2 19.9 29.9



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.96 min Scan# 2133
 Delta R.T. -0.00 min
 Lab File: BE094418.D
 Acq: 16 Oct 2017 15:29

Tgt Ion:264 Resp: 9232
 Ion Ratio Lower Upper
 264 100
 260 30.2 20.5 30.7
 265 36.4 22.8 34.2#





#35

Benzo(b)fluoranthene

Concen: 0.624 ng

RT: 23.18 min Scan# 1961

Delta R.T. -0.00 min

Lab File: BE094418.D

Acq: 16 Oct 2017 15:29

Instrument :

BNA_E

ClientSampleId :

RR-PAH-WP

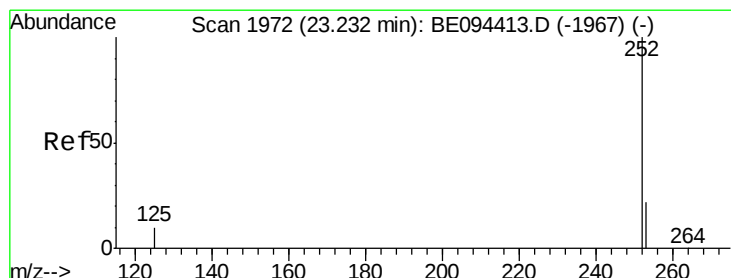
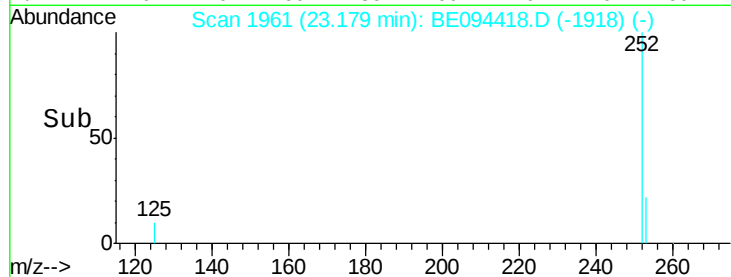
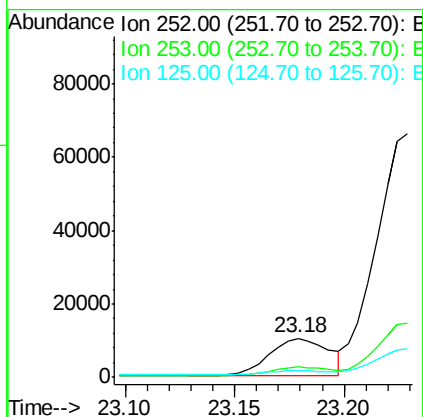
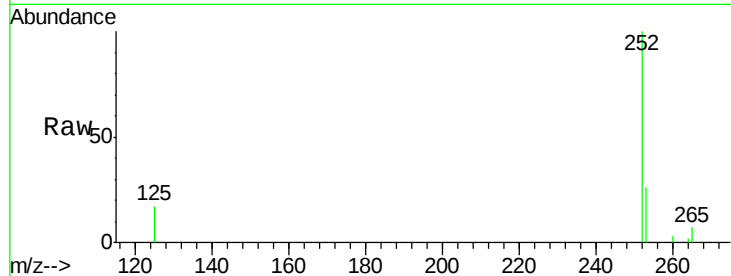
Tgt Ion:252 Resp: 19535

Ion Ratio Lower Upper

252 100

253 26.3 48.0 72.0#

125 16.7 56.0 84.0#



#36

Benzo(k)fluoranthene

Concen: 4.100 ng

RT: 23.23 min Scan# 1972

Delta R.T. -0.00 min

Lab File: BE094418.D

Acq: 16 Oct 2017 15:29

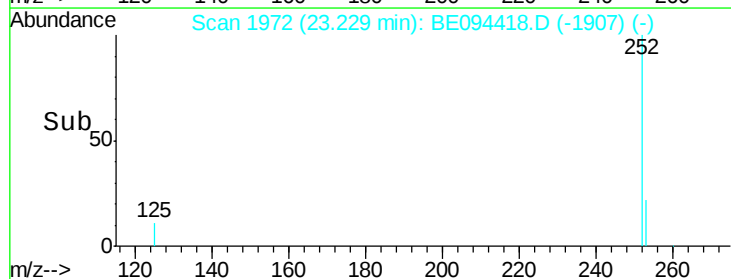
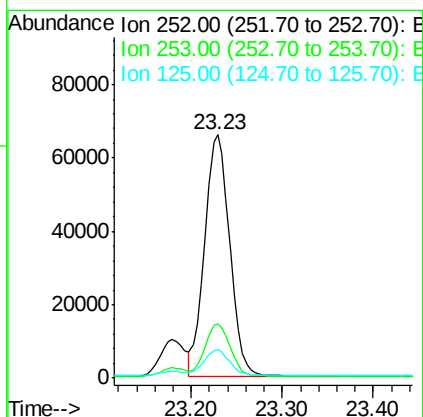
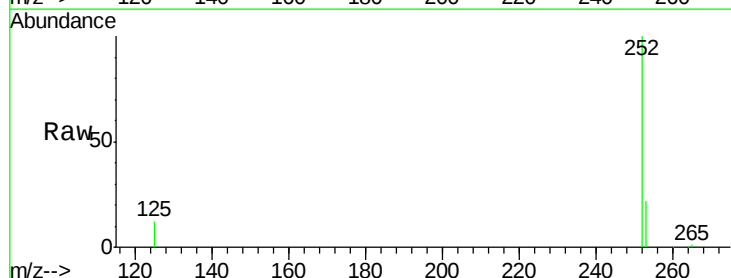
Tgt Ion:252 Resp: 126496

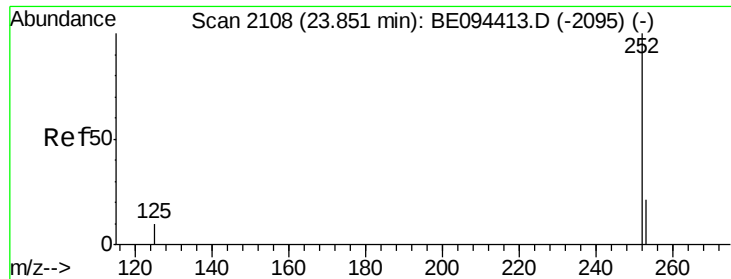
Ion Ratio Lower Upper

252 100

253 22.5 48.0 72.0#

125 11.6 56.0 84.0#





#37

Benzo(a)pyrene

Concen: 1.206 ng

RT: 23.85 min Scan# 2108

Delta R.T. -0.00 min

Lab File: BE094418.D

Acq: 16 Oct 2017 15:29

Instrument :

BNA_E

ClientSampleId :

RR-PAH-WP

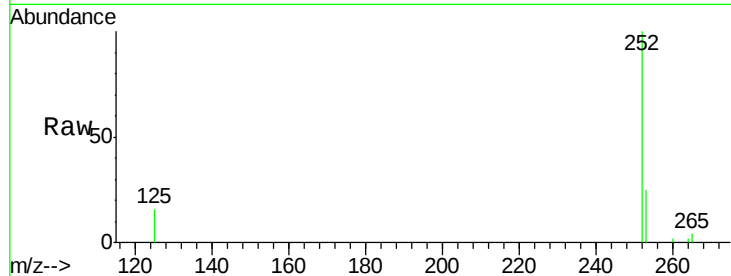
Tgt Ion:252 Resp: 35507

Ion Ratio Lower Upper

252 100

253 24.7 52.0 78.0#

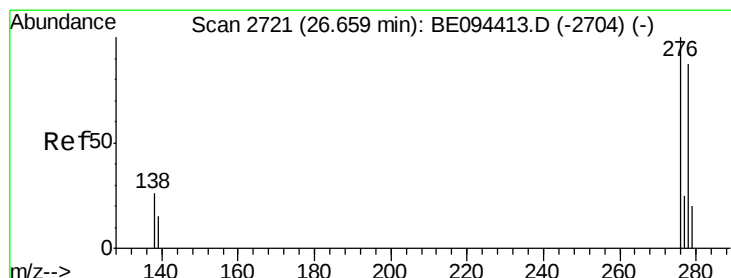
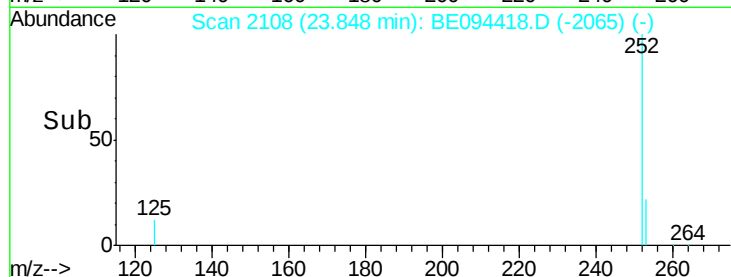
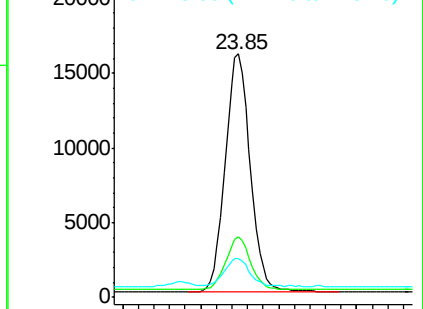
125 15.9 68.0 102.0#



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



#38

Dibenzo(a,h)anthracene

Concen: 0.836 ng

RT: 26.66 min Scan# 2721

Delta R.T. -0.00 min

Lab File: BE094418.D

Acq: 16 Oct 2017 15:29

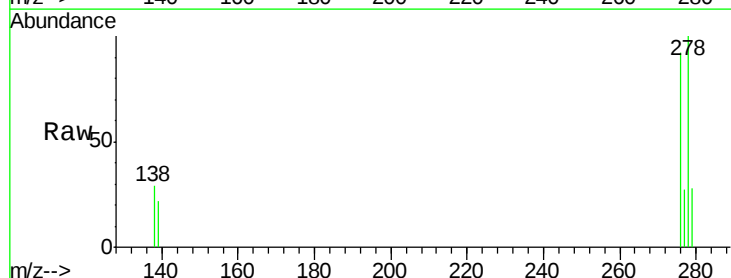
Tgt Ion:278 Resp: 23298

Ion Ratio Lower Upper

278 100

139 22.3 56.0 84.0#

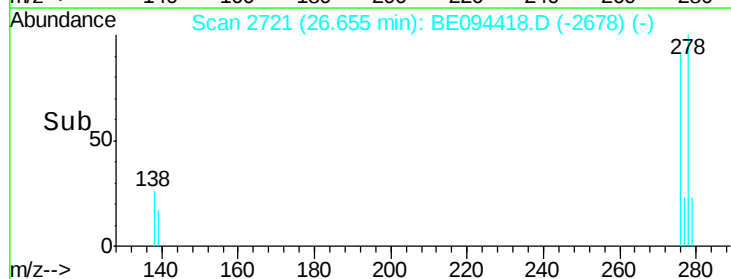
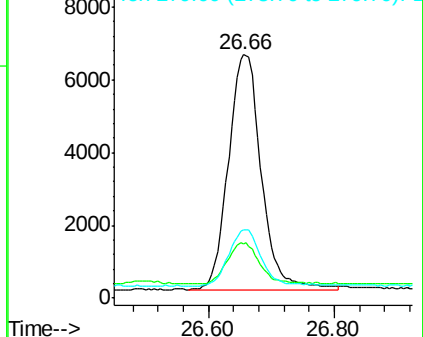
279 27.8 52.0 78.0#

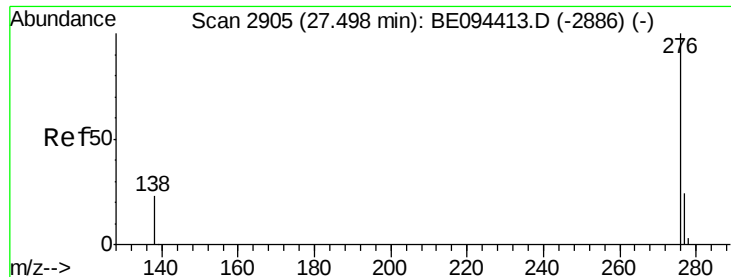


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 3.330 ng

RT: 27.49 min Scan# 2904

Delta R.T. -0.01 min

Lab File: BE094418.D

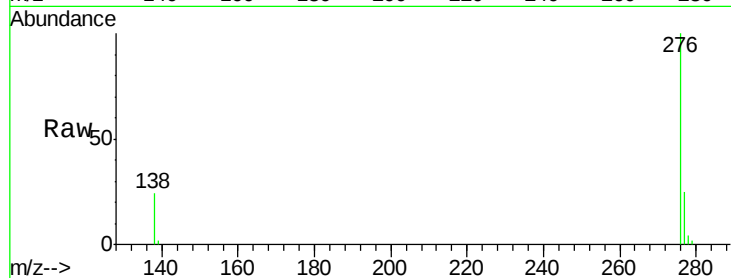
Acq: 16 Oct 2017 15:29

Instrument :

BNA_E

ClientSampleId :

RR-PAH-WP



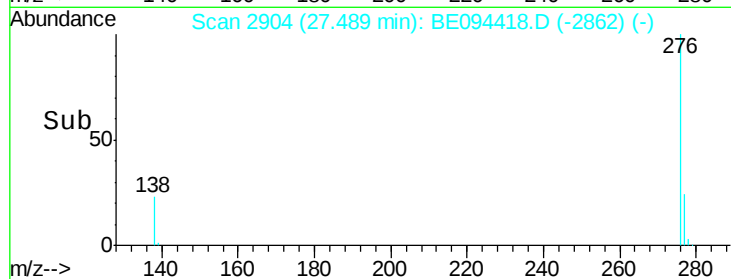
Tgt Ion: 276 Resp: 89241

Ion Ratio Lower Upper

276 100

277 24.9 52.0 78.0#

138 24.2 44.0 66.0#



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

