

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE092316\
 Data File : BE092412.D
 Acq On : 23 Sep 2016 12:43
 Operator : UM/SJ
 Sample : H4803-21
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RR-PAH-WP

Quant Time: Sep 23 19:26:21 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE092216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 22 18:25:56 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	6362	5.00	ng	-0.02
7) Naphthalene-d8	10.95	136	26738	5.00	ng	0.00
12) Acenaphthene-d10	14.82	164	19583	5.00	ng	0.00
18) Phenanthrene-d10	17.58	188	44128	5.00	ng	0.02
24) Chrysene-d12	21.75	240	65965	5.00	ng	0.00
31) Perylene-d12	24.12	264	55959	5.00	ng	0.04

System Monitoring Compounds						
4) 2-Fluorophenol	5.67	112	15387	10.22	ng	-0.02
5) Phenol-d6	7.34	99	19083	8.90	ng	-0.02
8) Nitrobenzene-d5	9.34	82	8095	4.23	ng	-0.02
13) 2,4,6-Tribromophenol	16.32	330	5721	8.24	ng	0.00
14) 2-Fluorobiphenyl	13.45	172	22624	4.88	ng	0.00
26) Terphenyl-d14	20.19	244	41267	5.04	ng	0.02

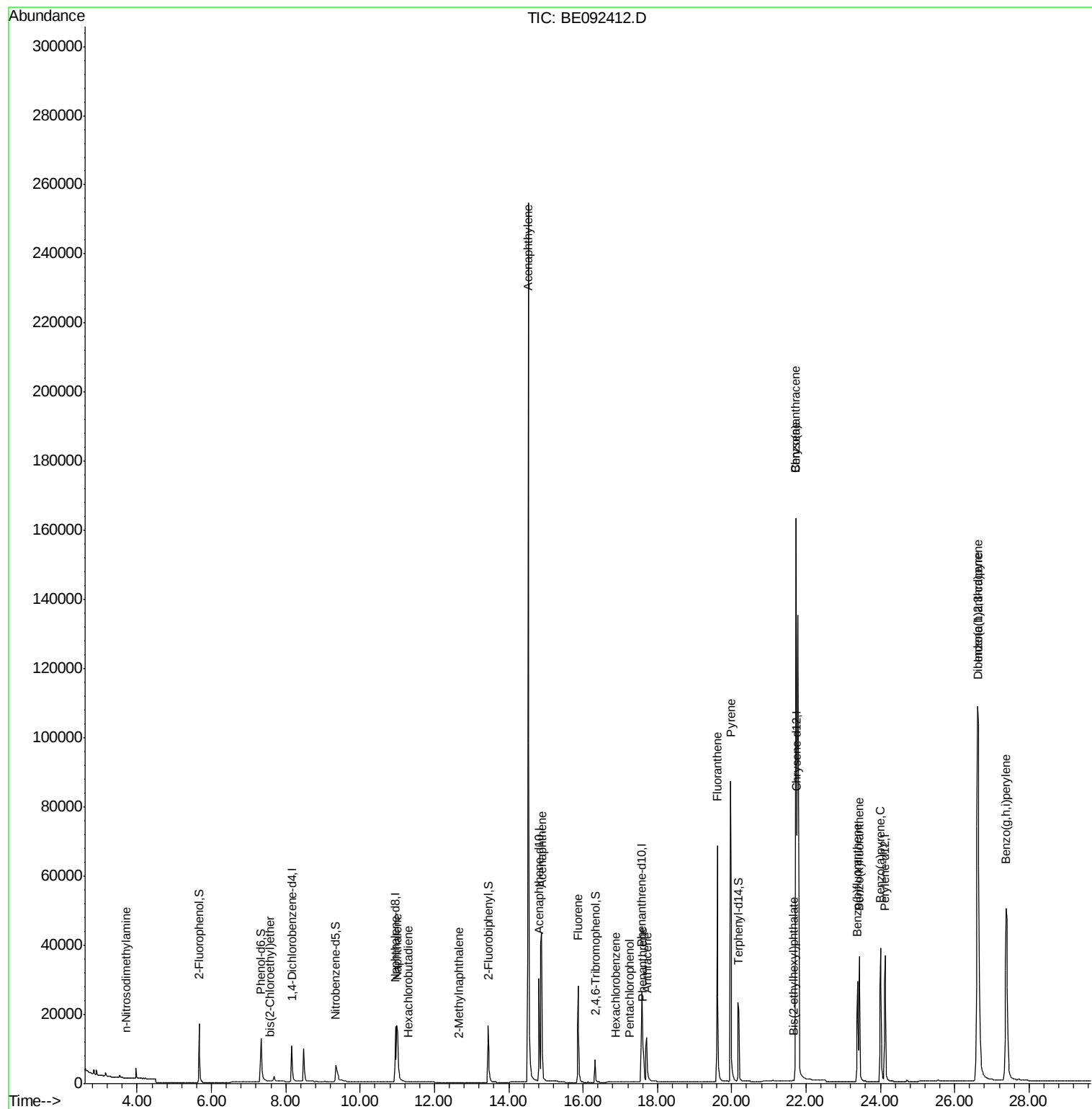
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.71	42	10	0.20	ng	# 2
6) bis(2-Chloroethyl)ether	7.57	93	12	0.10	ng	# 15
9) Naphthalene	10.99	128	34721	6.00	ng	# 95
10) Hexachlorobutadiene	11.30	225	1	0.00	ng	# 35
11) 2-Methylnaphthalene	12.67	142	22	0.01	ng	# 63
15) Acenaphthylene	14.53	152	355936	12.55	ng	99
16) Acenaphthene	14.88	154	12213	2.75	ng	95
17) Fluorene	15.87	166	23950	4.25	ng	100
19) Hexachlorobenzene	16.89	284	10	0.01	ng	# 41
20) Pentachlorophenol	17.26	266	1	0.18	ng	# 70
21) Phenanthrene	17.60	178	15920	1.57	ng	# 78
22) Anthracene	17.72	178	27326	2.80	ng	# 77
23) Fluoranthene	19.61	202	90906	1.89	ng	99
25) Pyrene	19.97	202	121965	2.13	ng	100
27) Benzo(a)anthracene	21.72	228	355892	5.54	ng	94
28) Chrysene	21.72	228	358886	6.10	ng	# 74
29) Bis(2-ethylhexyl)phthalate	21.66	149	79	0.01	ng	# 68
30) Indeno(1,2,3-cd)pyrene	26.62	276	228480	3.66	ng	96
32) Benzo(b)fluoranthene	23.38	252	41057	3.03	ng	96
33) Benzo(k)fluoranthene	23.43	252	53800	3.79	ng	94
34) Benzo(a)pyrene	24.01	252	63838	4.81	ng	94
35) Dibenzo(a,h)anthracene	26.63	278	64373	5.29	ng	95
36) Benzo(g,h,i)perylene	27.38	276	133947	2.56	ng	98

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

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.17 min Scan# 576

Delta R.T. -0.02 min

Lab File: BE092412.D

Acq: 23 Sep 2016 12:43

Instrument :

BNA_E

ClientSampleId :

RR-PAH-WP

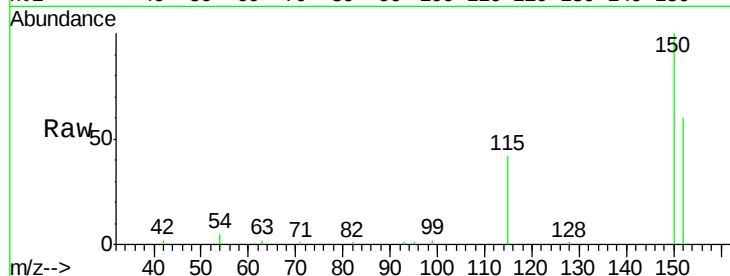
Tgt Ion:152 Resp: 6362

Ion Ratio Lower Upper

152 100

150 167.2 106.0 159.0#

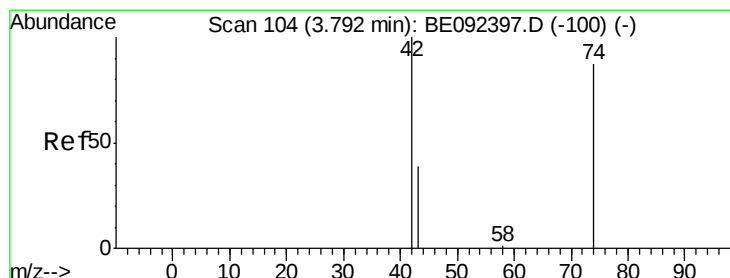
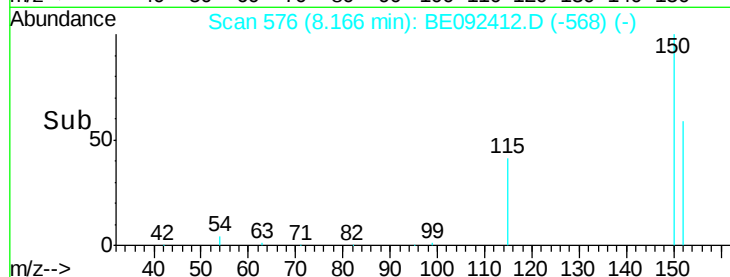
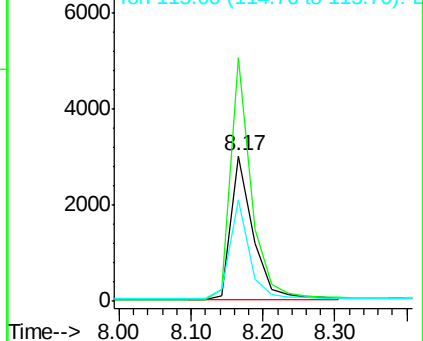
115 69.9 31.2 46.8#



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: 0.20 ng

RT: 3.71 min Scan# 97

Delta R.T. -0.09 min

Lab File: BE092412.D

Acq: 23 Sep 2016 12:43

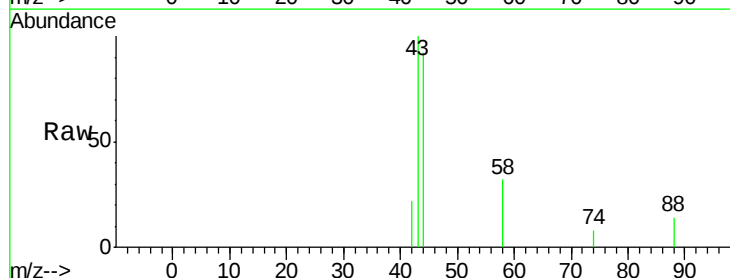
Tgt Ion: 42 Resp: 10

Ion Ratio Lower Upper

42 100

74 0.0 86.0 129.0#

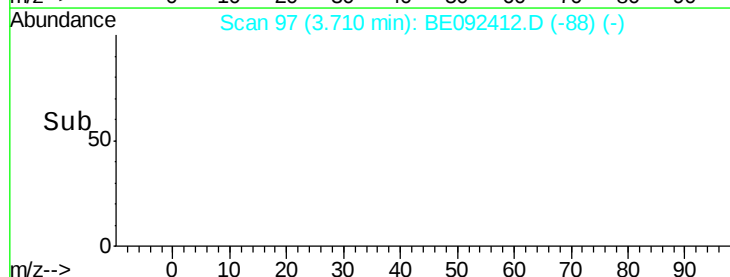
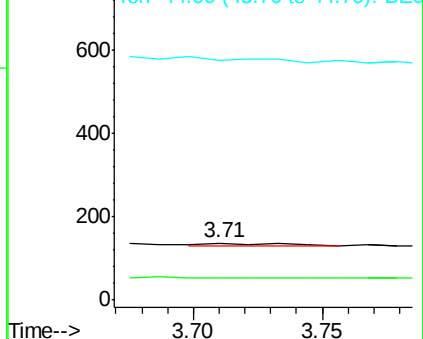
44 0.0 5.1 7.7#

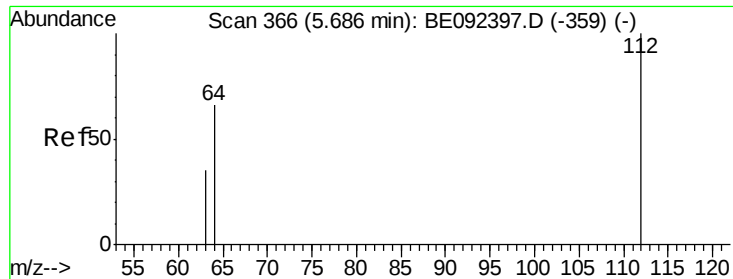


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 10.22 ng

RT: 5.67 min Scan# 363

Delta R.T. -0.02 min

Lab File: BE092412.D

Acq: 23 Sep 2016 12:43

Instrument :

BNA_E

ClientSampleId :

RR-PAH-WP

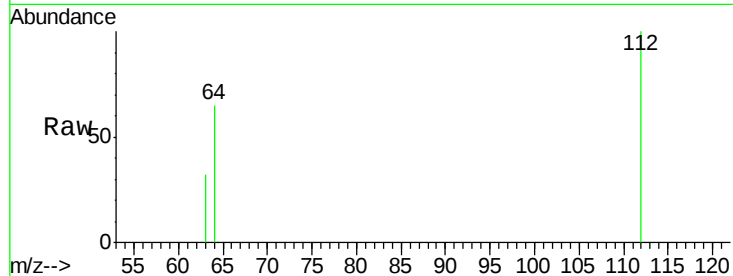
Tgt Ion: 112 Resp: 15387

Ion Ratio Lower Upper

112 100

64 67.0 53.5 80.3

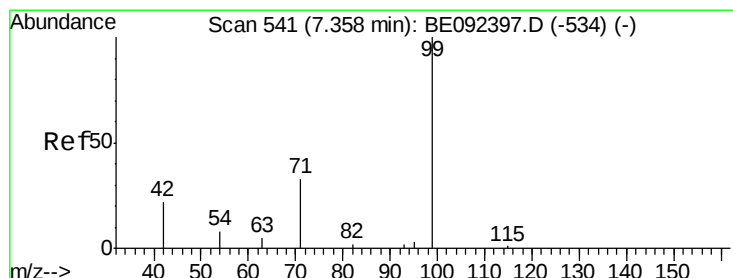
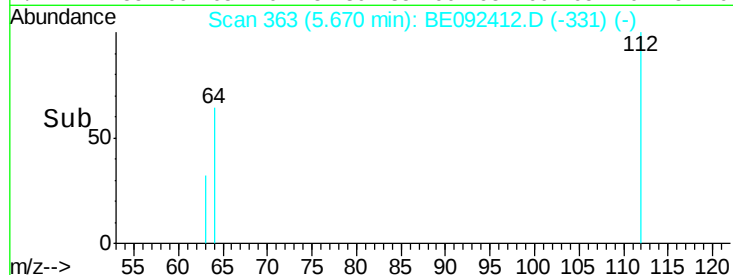
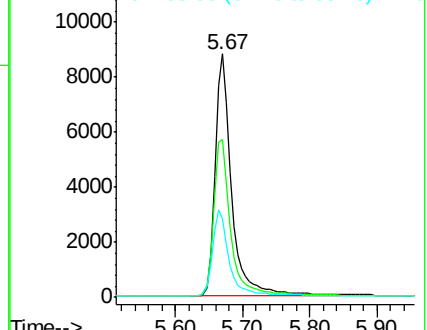
63 35.7 27.9 41.9



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: 8.90 ng

RT: 7.34 min Scan# 540

Delta R.T. -0.02 min

Lab File: BE092412.D

Acq: 23 Sep 2016 12:43

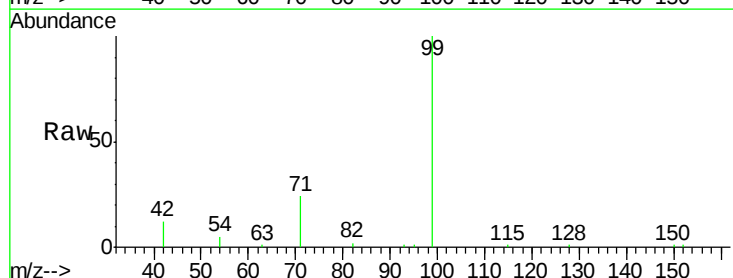
Tgt Ion: 99 Resp: 19083

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

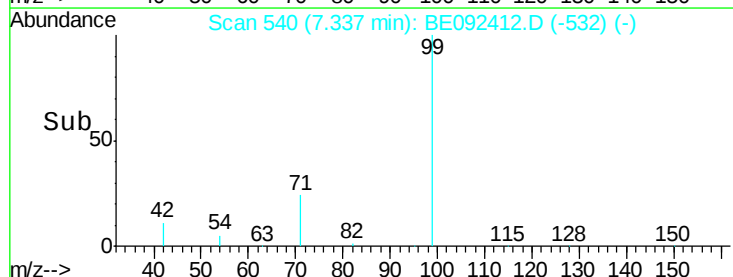
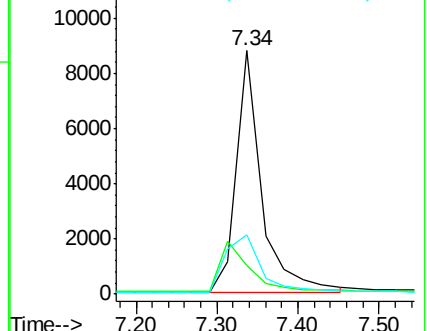
71 34.4 30.6 45.8

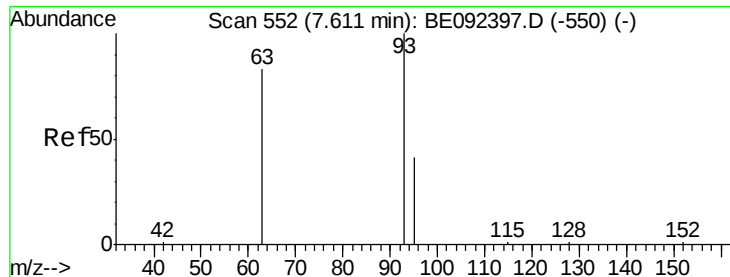


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.10 ng

RT: 7.57 min Scan# 550

Delta R.T. -0.04 min

Lab File: BE092412.D

Acq: 23 Sep 2016 12:43

Instrument :

BNA_E

ClientSampleId :

RR-PAH-WP

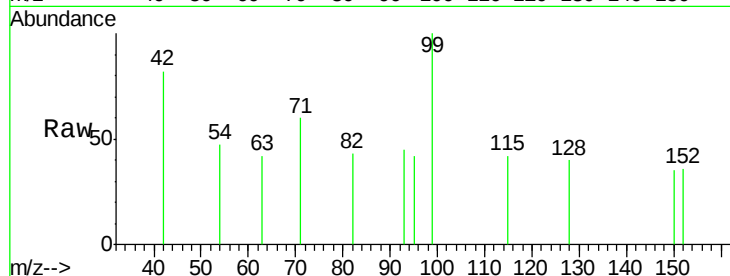
Tgt Ion: 93 Resp: 12

Ion Ratio Lower Upper

93 100

63 0.0 71.6 107.4#

95 0.0 24.0 36.0#

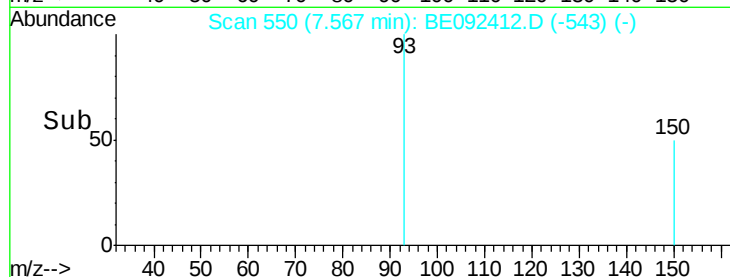


Abundance Ion 93.00 (92.70 to 93.70): BE0

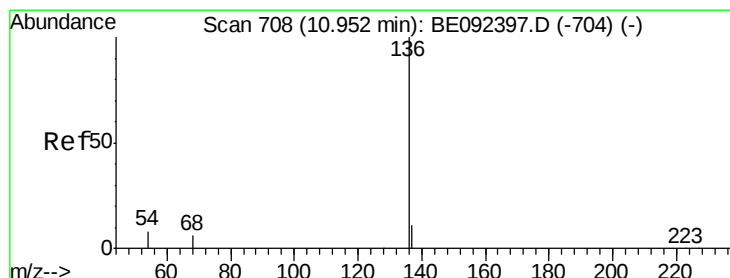
Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0

Time-->



Time-->



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.95 min Scan# 708

Delta R.T. -0.00 min

Lab File: BE092412.D

Acq: 23 Sep 2016 12:43

Tgt Ion: 136 Resp: 26738

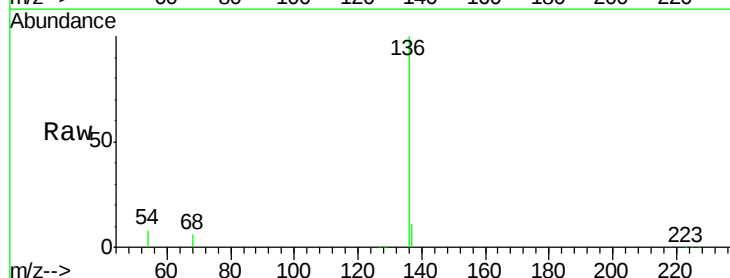
Ion Ratio Lower Upper

136 100

137 11.1 8.2 12.4

54 8.3 9.6 14.4#

68 6.1 6.7 10.1#



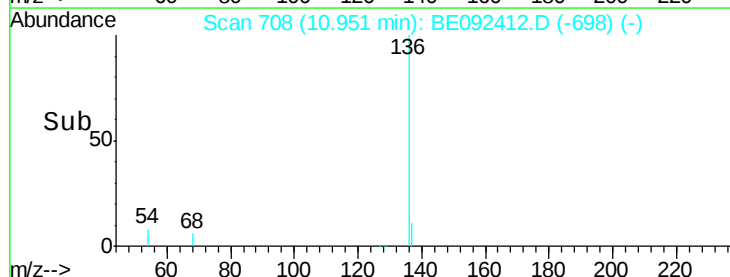
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

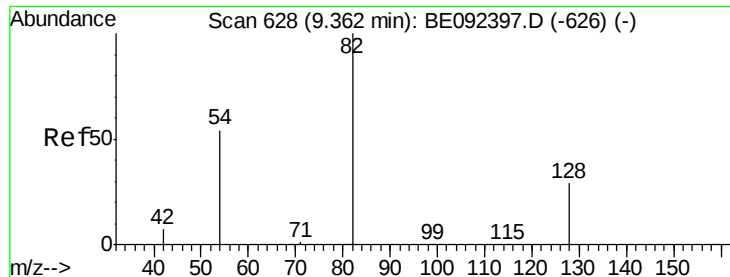
Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0

Time-->



Time-->



#8

Nitrobenzene-d5

Concen: 4.23 ng

RT: 9.34 min Scan# 627

Delta R.T. -0.02 min

Lab File: BE092412.D

Acq: 23 Sep 2016 12:43

Instrument :

BNA_E

ClientSampleId :

RR-PAH-WP

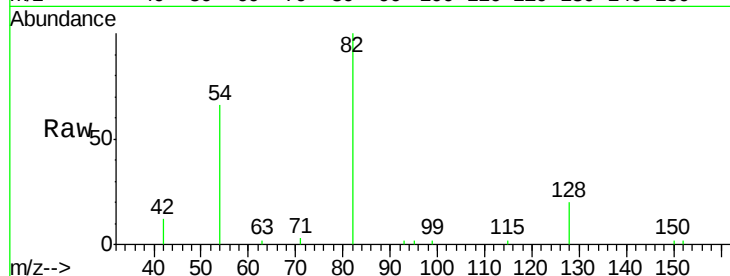
Tgt Ion: 82 Resp: 8095

Ion Ratio Lower Upper

82 100

128 20.1 39.0 58.4#

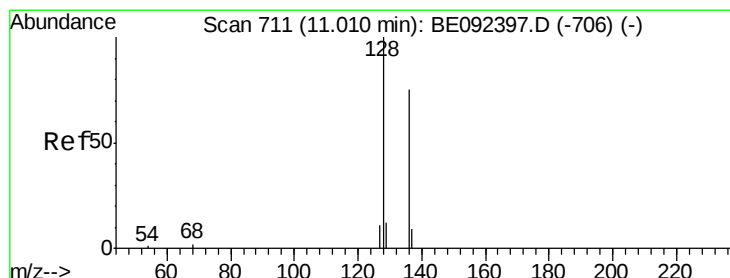
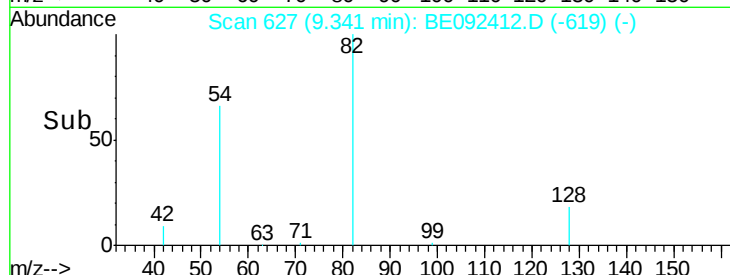
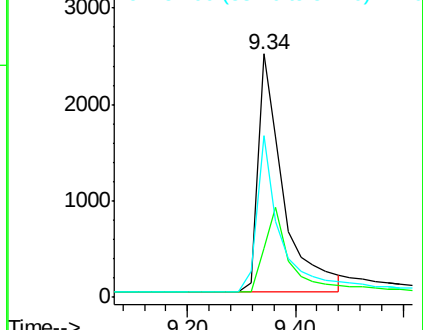
54 66.5 44.8 67.2



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: 6.00 ng

RT: 10.99 min Scan# 710

Delta R.T. -0.02 min

Lab File: BE092412.D

Acq: 23 Sep 2016 12:43

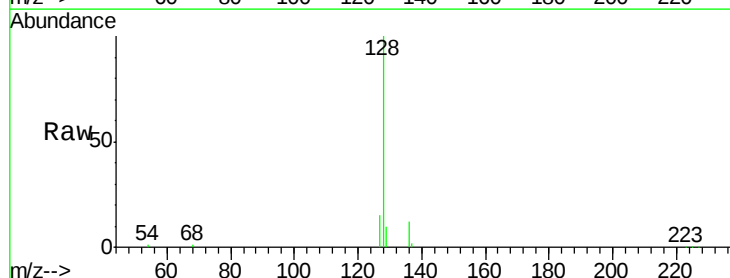
Tgt Ion: 128 Resp: 34721

Ion Ratio Lower Upper

128 100

129 10.3 11.2 16.8#

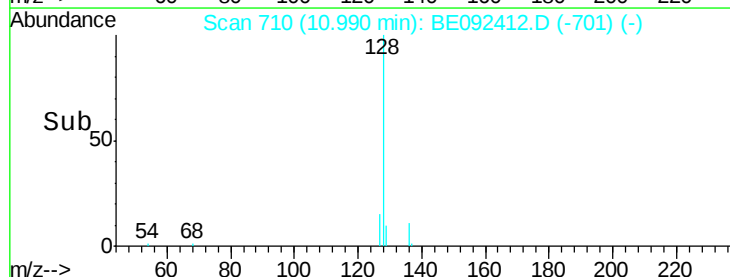
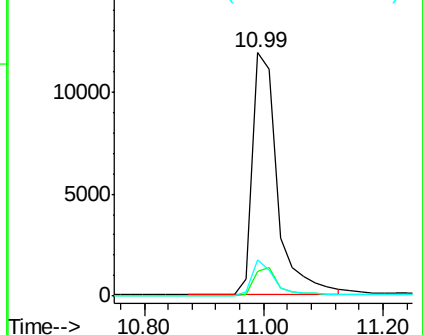
127 14.9 11.6 17.4

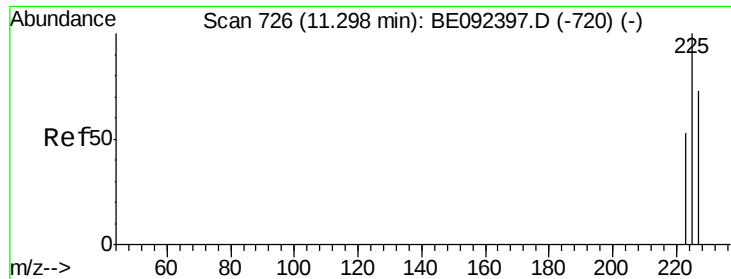


Abundance Ion 128.00 (127.70 to 128.70): BE

Ion 129.00 (128.70 to 129.70): BE

Ion 127.00 (126.70 to 127.70): BE

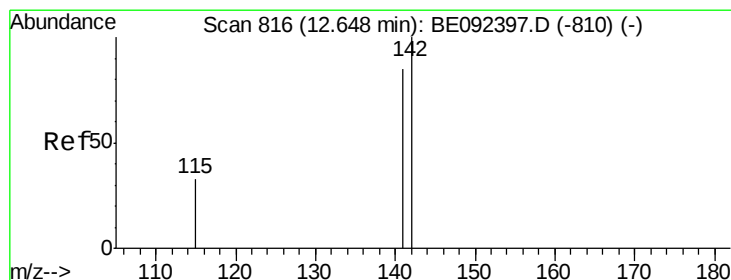
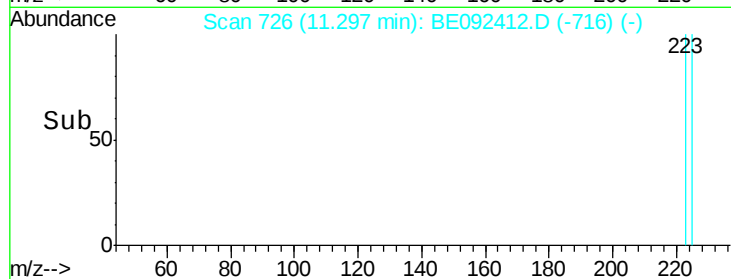
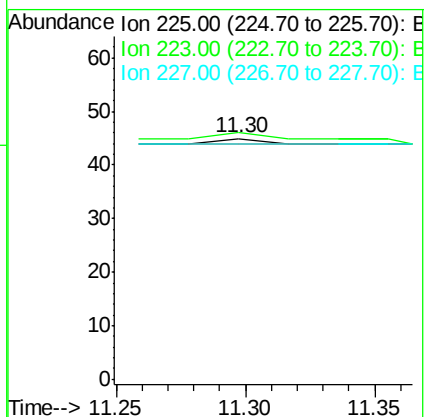
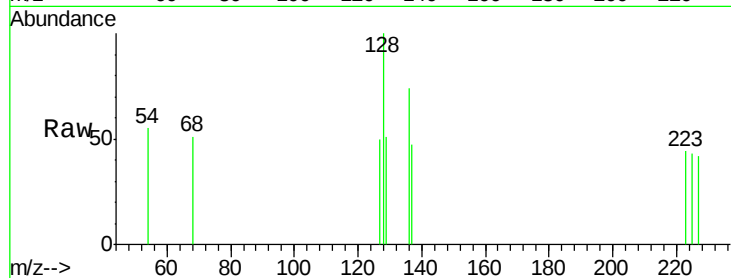




#10
Hexachlorobutadiene
Concen: 0.00 ng
RT: 11.30 min Scan# 726
Delta R.T. -0.00 min
Lab File: BE092412.D
Acq: 23 Sep 2016 12:43

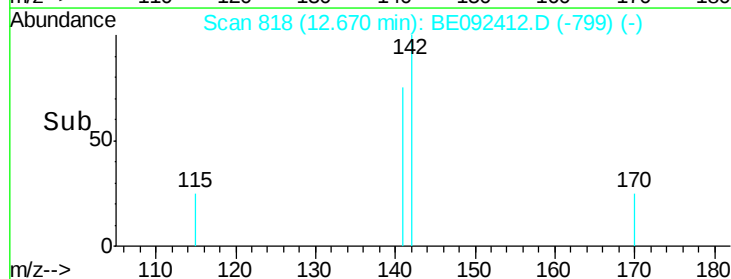
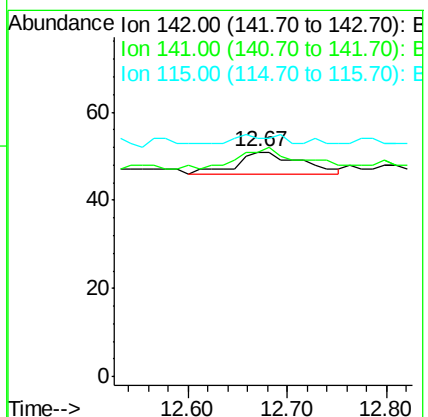
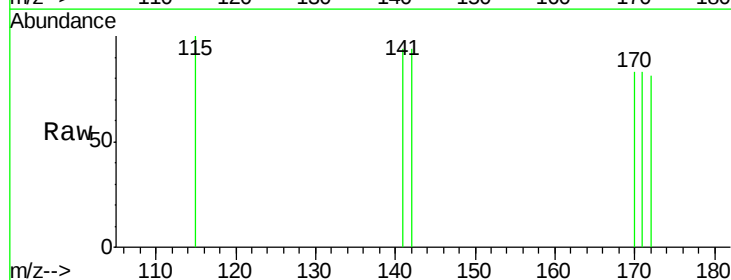
Instrument :
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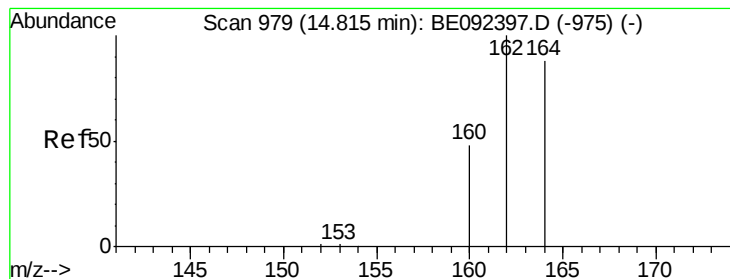
Tgt Ion: 225 Resp: 1
Ion Ratio Lower Upper
225 100
223 100.0 50.6 76.0#
227 0.0 51.4 77.0#



#11
2-Methylnaphthalene
Concen: 0.01 ng
RT: 12.67 min Scan# 818
Delta R.T. 0.02 min
Lab File: BE092412.D
Acq: 23 Sep 2016 12:43

Tgt Ion: 142 Resp: 22
Ion Ratio Lower Upper
142 100
141 100.0 73.7 110.5
115 105.9 34.0 51.0#





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.82 min Scan# 980

Delta R.T. 0.00 min

Lab File: BE092412.D

Acq: 23 Sep 2016 12:43

Instrument :

BNA_E

ClientSampleId :

RR-PAH-WP

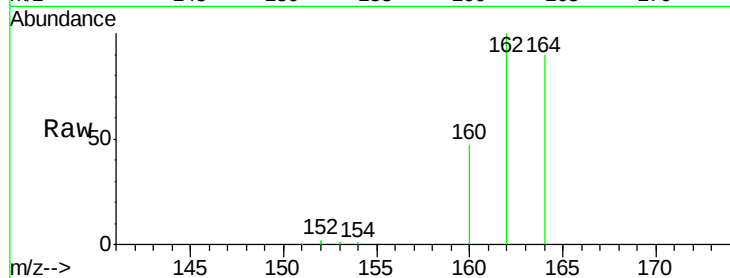
Tgt Ion:164 Resp: 19583

Ion Ratio Lower Upper

164 100

162 111.0 71.4 107.0#

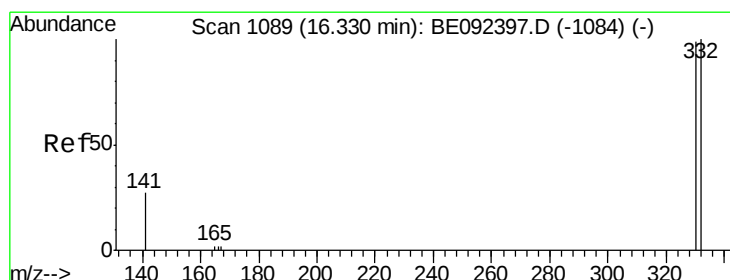
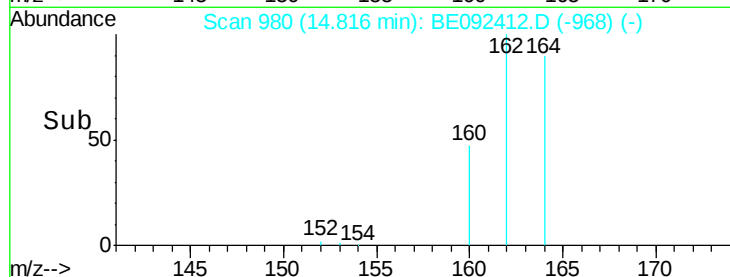
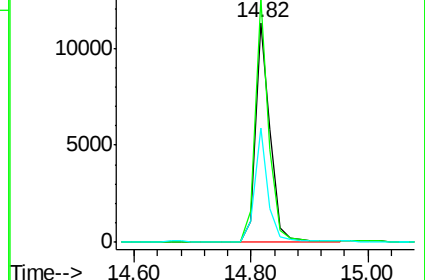
160 52.4 27.4 41.2#



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



#13

2,4,6-Tribromophenol

Concen: 8.24 ng

RT: 16.32 min Scan# 1089

Delta R.T. 0.00 min

Lab File: BE092412.D

Acq: 23 Sep 2016 12:43

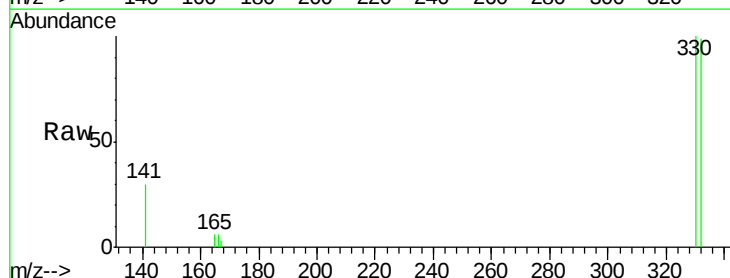
Tgt Ion:330 Resp: 5721

Ion Ratio Lower Upper

330 100

332 96.4 75.4 113.0

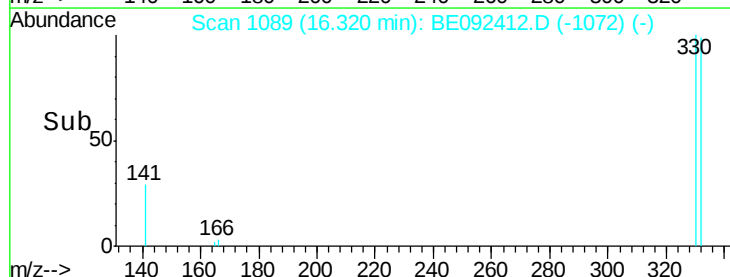
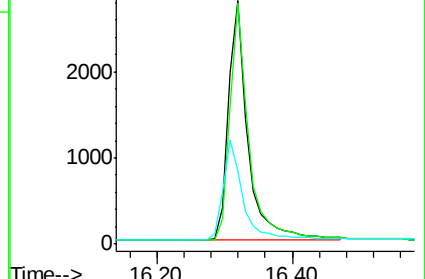
141 42.2 31.0 46.6

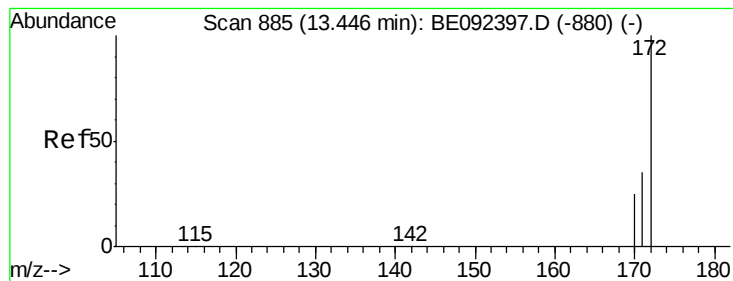


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#14

2-Fluorobiphenyl

Concen: 4.88 ng

RT: 13.45 min Scan# 885

Delta R.T. -0.00 min

Lab File: BE092412.D

Acq: 23 Sep 2016 12:43

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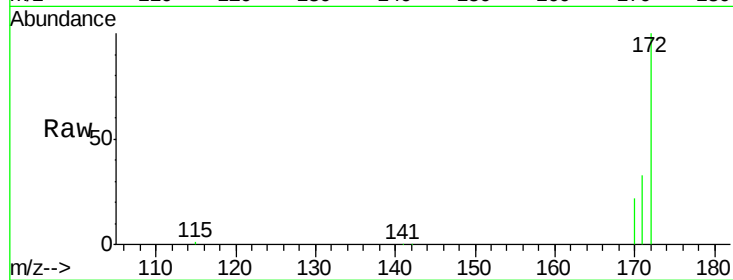
Tgt Ion:172 Resp: 22624

Ion Ratio Lower Upper

172 100

171 33.3 30.1 45.1

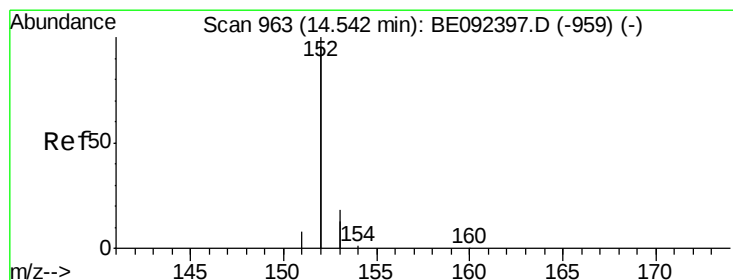
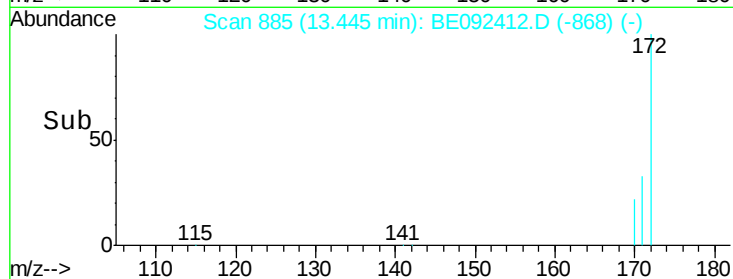
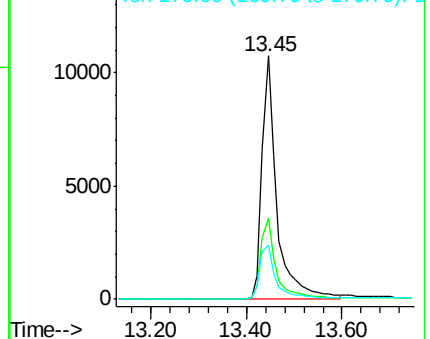
170 22.1 21.8 32.6



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#15

Acenaphthylene

Concen: 12.55 ng

RT: 14.53 min Scan# 963

Delta R.T. 0.00 min

Lab File: BE092412.D

Acq: 23 Sep 2016 12:43

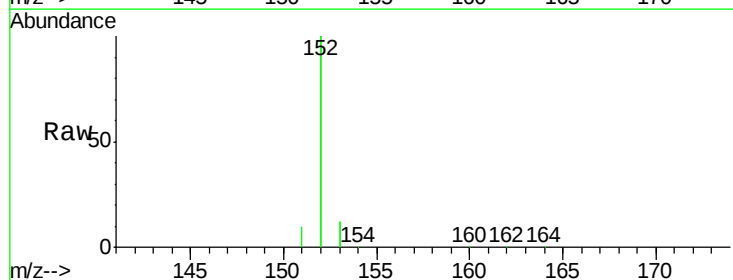
Tgt Ion:152 Resp: 355936

Ion Ratio Lower Upper

152 100

151 4.9 3.9 5.9

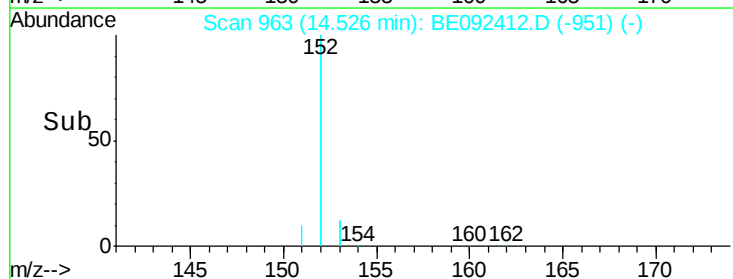
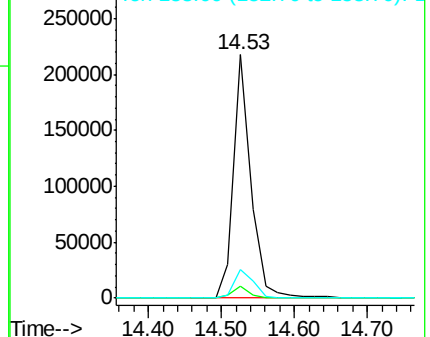
153 13.3 10.4 15.6

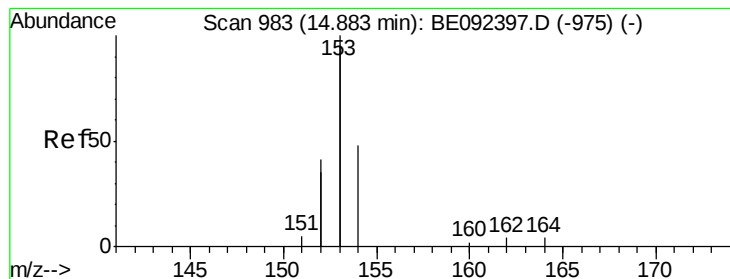


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#16

Acenaphthene

Concen: 2.75 ng

RT: 14.88 min Scan# 984

Delta R.T. 0.00 min

Lab File: BE092412.D

Acq: 23 Sep 2016 12:43

Instrument :

BNA_E

ClientSampleId :

RR-PAH-WP

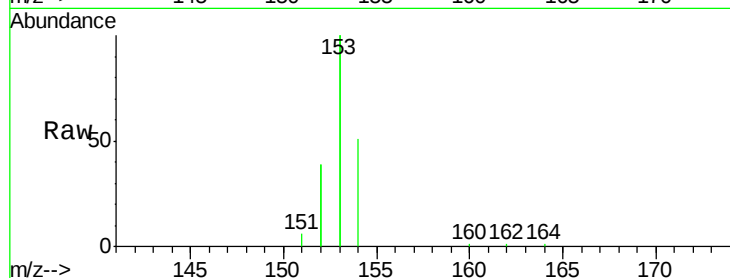
Tgt Ion:154 Resp: 12213

Ion Ratio Lower Upper

154 100

153 449.8 350.8 526.2

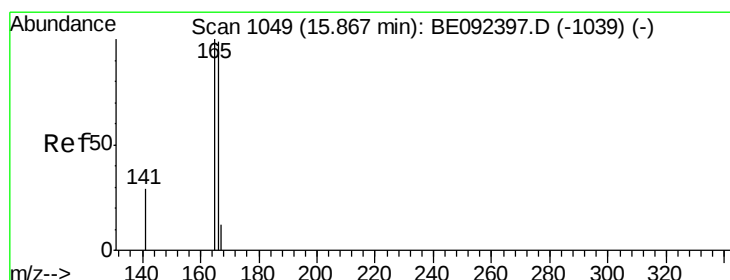
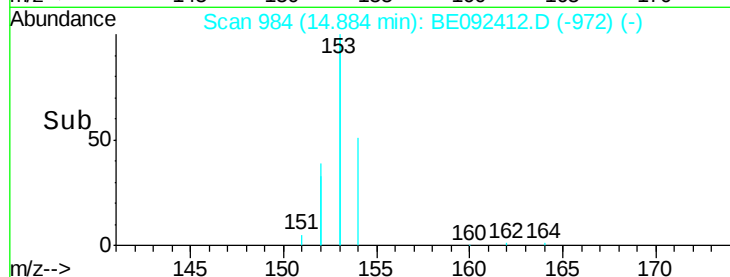
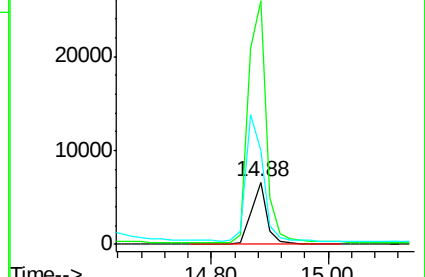
152 224.7 171.1 256.7



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



#17

Fluorene

Concen: 4.25 ng

RT: 15.87 min Scan# 1050

Delta R.T. 0.00 min

Lab File: BE092412.D

Acq: 23 Sep 2016 12:43

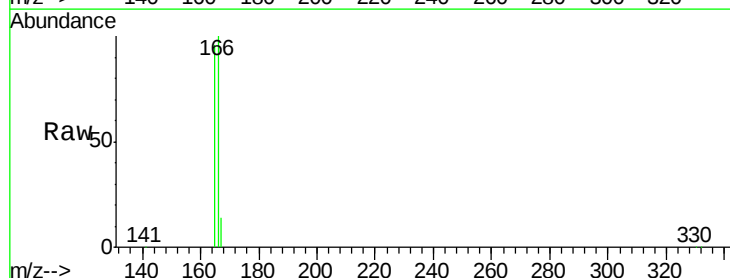
Tgt Ion:166 Resp: 23950

Ion Ratio Lower Upper

166 100

165 97.8 78.2 117.4

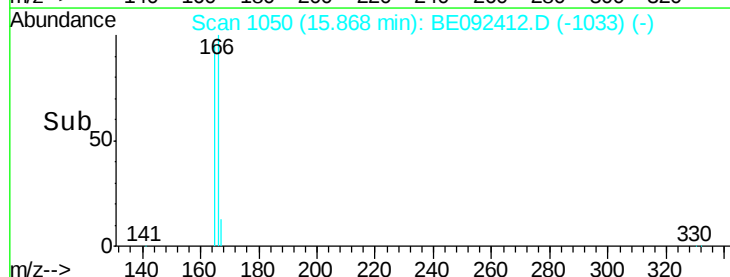
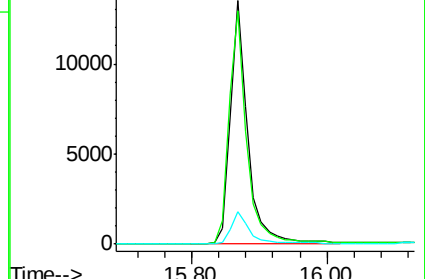
167 13.2 11.0 16.4

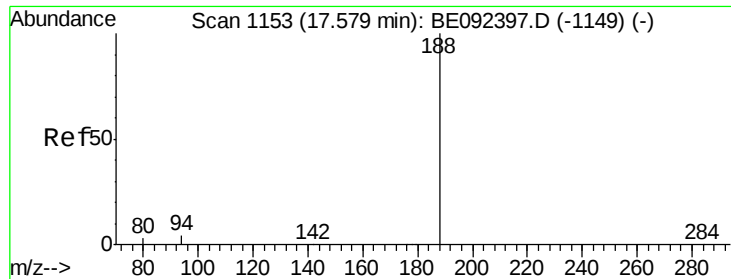


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.58 min Scan# 1154

Delta R.T. 0.02 min

Lab File: BE092412.D

Acq: 23 Sep 2016 12:43

Instrument :

BNA_E

ClientSampleId :

RR-PAH-WP

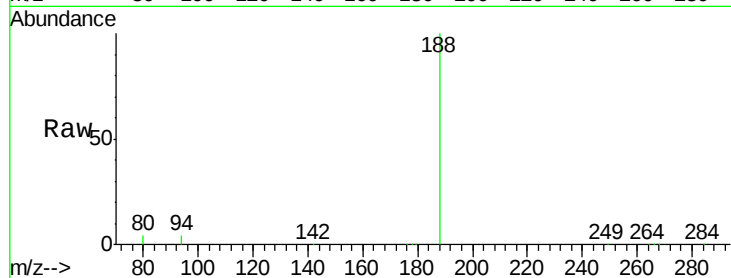
Tgt Ion:188 Resp: 44128

Ion Ratio Lower Upper

188 100

94 4.0 3.2 4.8

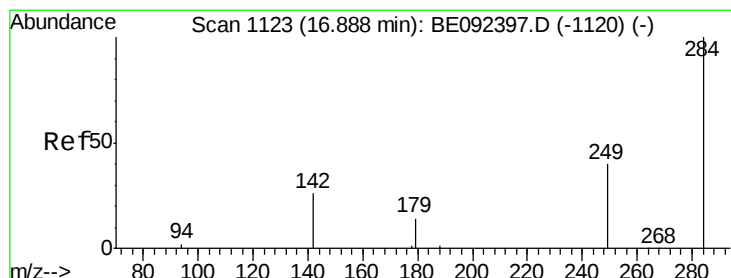
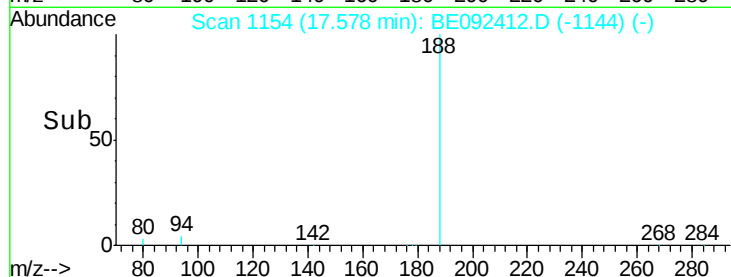
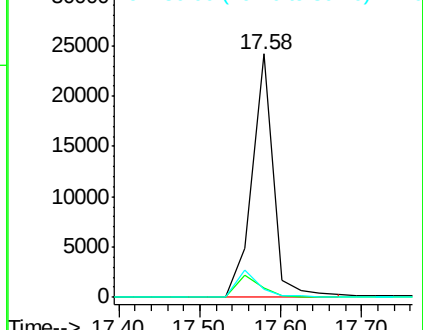
80 3.5 2.6 3.8



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



#19

Hexachlorobenzene

Concen: 0.01 ng

RT: 16.89 min Scan# 1124

Delta R.T. -0.00 min

Lab File: BE092412.D

Acq: 23 Sep 2016 12:43

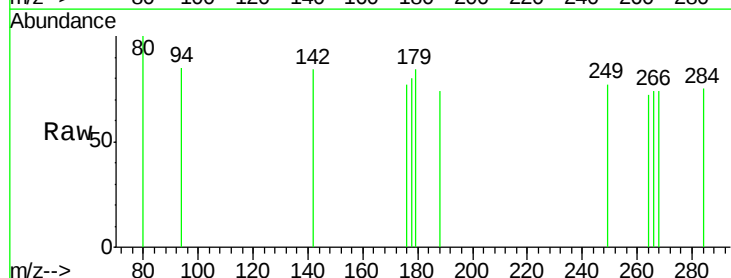
Tgt Ion:284 Resp: 10

Ion Ratio Lower Upper

284 100

142 80.0 29.1 43.7#

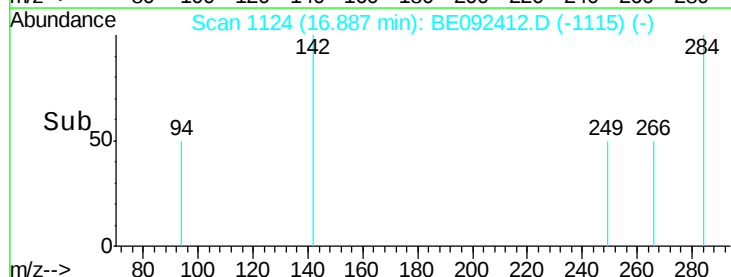
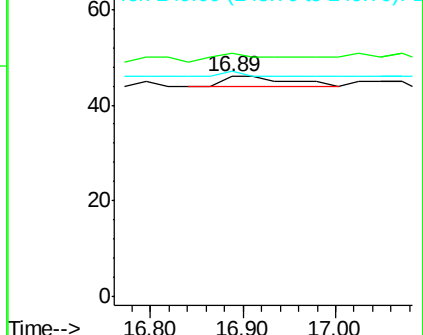
249 10.0 27.9 41.9#

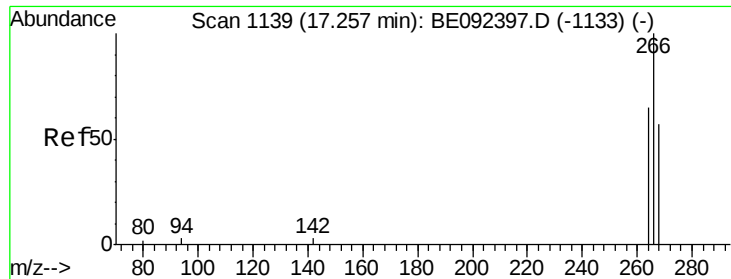


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

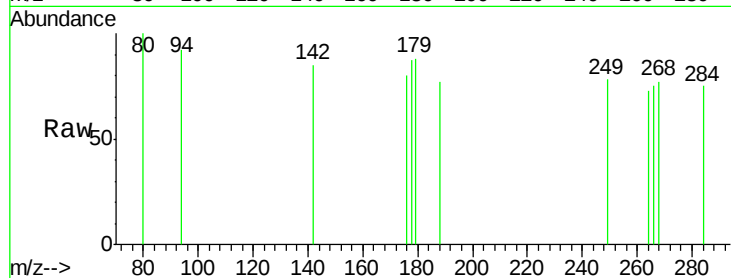




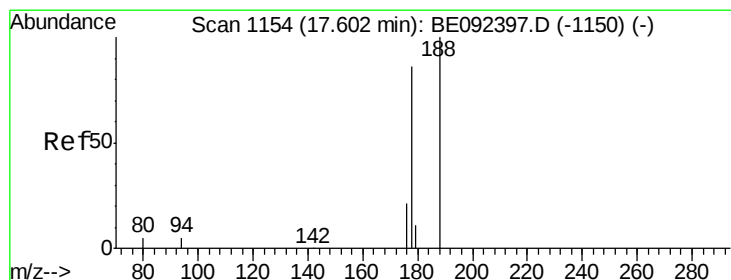
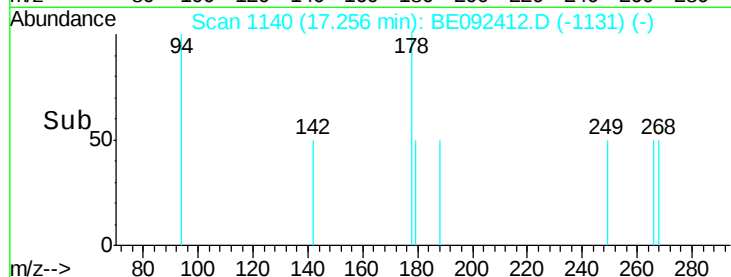
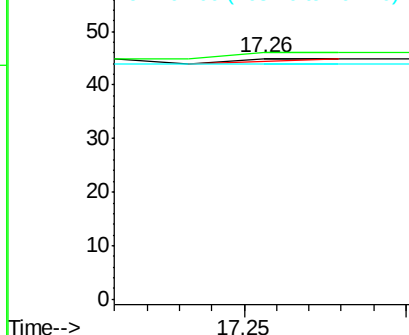
#20
 Pentachlorophenol
 Concen: 0.18 ng
 RT: 17.26 min Scan# 1140
 Delta R.T. -0.00 min
 Lab File: BE092412.D
 Acq: 23 Sep 2016 12:43

Instrument :
 BNA_E
 ClientSampleId :
 RR-PAH-WP

Tgt Ion: 266 Resp: 1
 Ion Ratio Lower Upper
 266 100
 268 102.2 62.5 93.7#
 264 97.8 57.2 85.8#

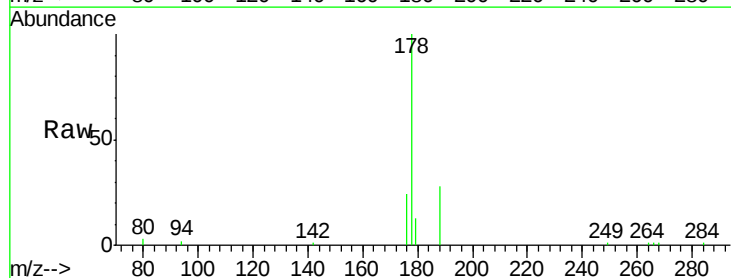


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

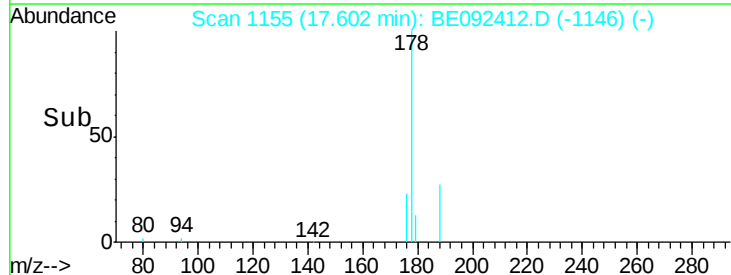
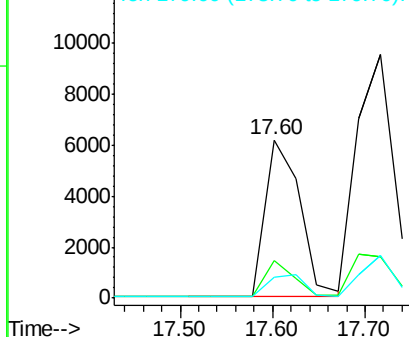


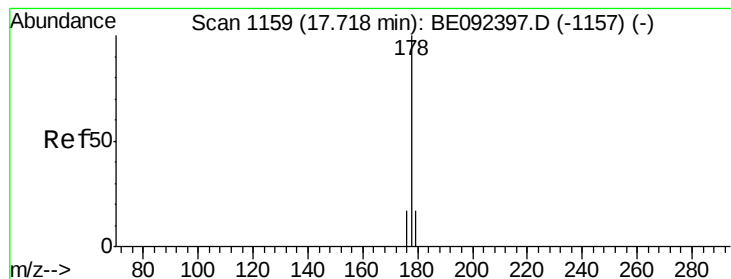
#21
 Phenanthrene
 Concen: 1.57 ng
 RT: 17.60 min Scan# 1155
 Delta R.T. -0.00 min
 Lab File: BE092412.D
 Acq: 23 Sep 2016 12:43

Tgt Ion: 178 Resp: 15920
 Ion Ratio Lower Upper
 178 100
 176 20.0 15.8 23.8
 179 0.0 16.0 24.0#



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





#22

Anthracene

Concen: 2.80 ng

RT: 17.72 min Scan# 1160

Delta R.T. 0.02 min

Lab File: BE092412.D

Acq: 23 Sep 2016 12:43

Instrument :

BNA_E

ClientSampleId :

RR-PAH-WP

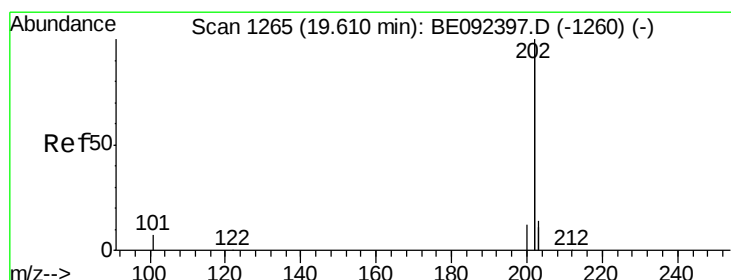
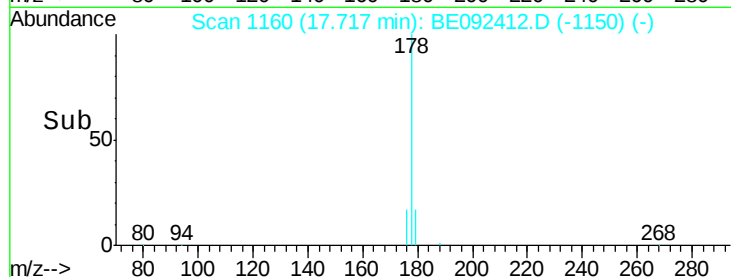
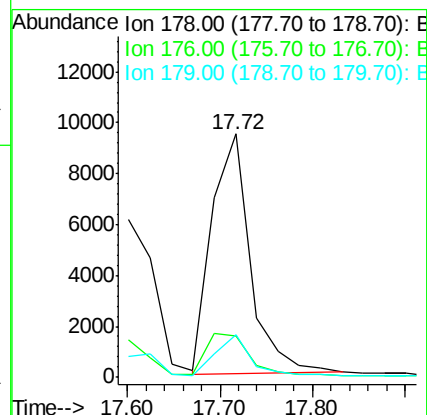
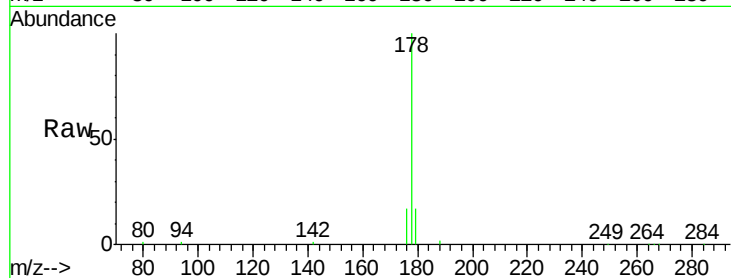
Tgt Ion:178 Resp: 27326

Ion Ratio Lower Upper

178 100

176 0.0 15.0 22.4#

179 15.0 12.2 18.2



#23

Fluoranthene

Concen: 1.89 ng

RT: 19.61 min Scan# 1266

Delta R.T. -0.00 min

Lab File: BE092412.D

Acq: 23 Sep 2016 12:43

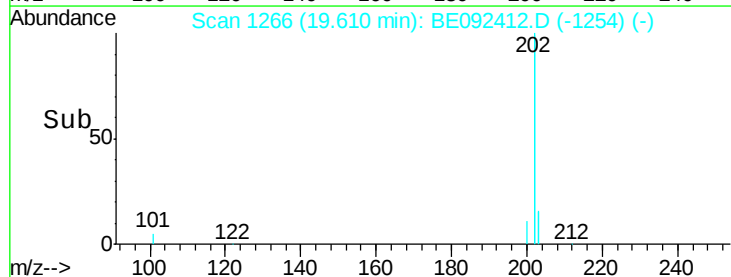
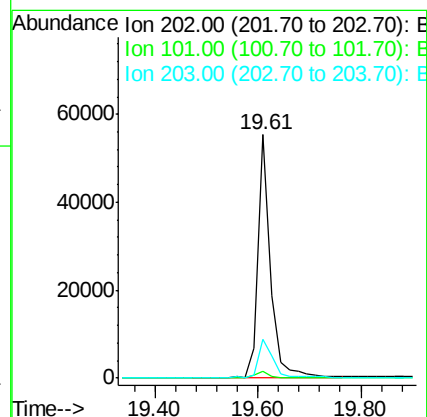
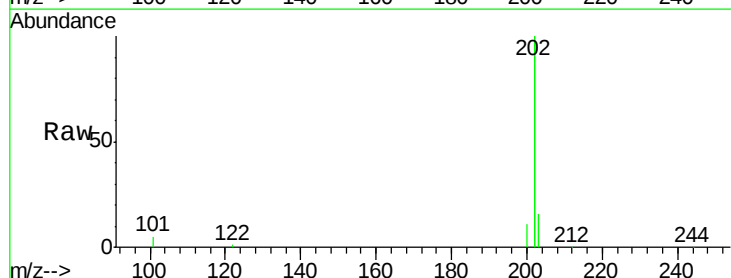
Tgt Ion:202 Resp: 90906

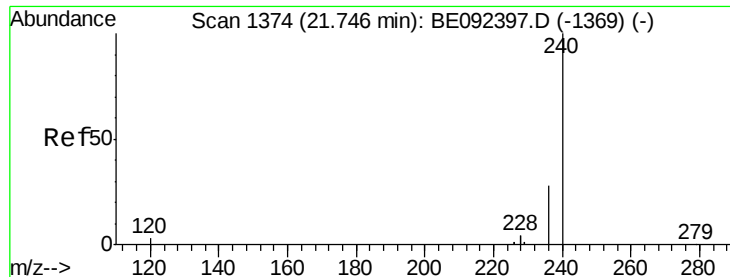
Ion Ratio Lower Upper

202 100

101 2.8 2.2 3.4

203 17.6 13.7 20.5

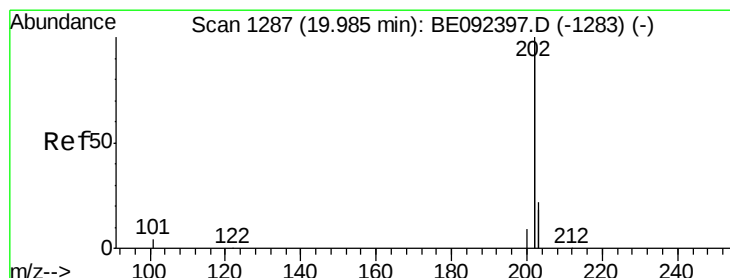
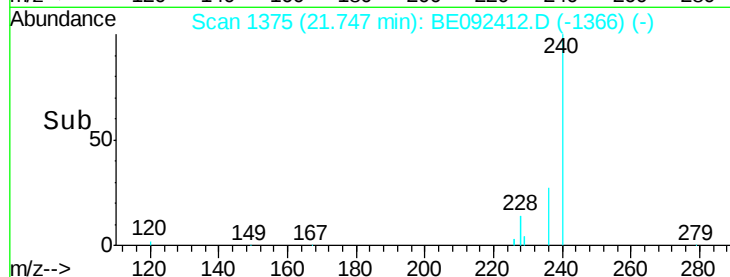
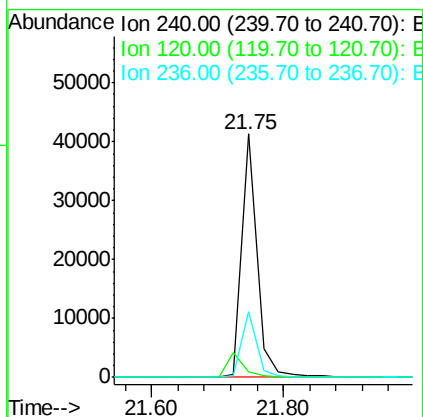
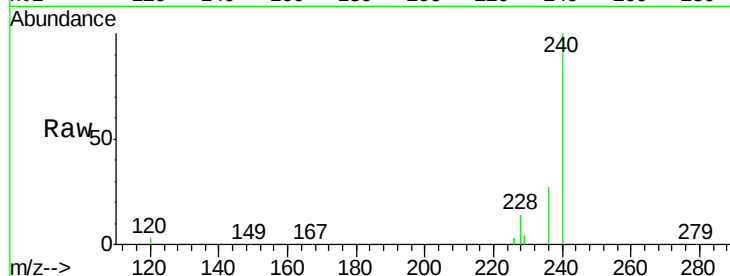




#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1375
Delta R.T. 0.00 min
Lab File: BE092412.D
Acq: 23 Sep 2016 12:43

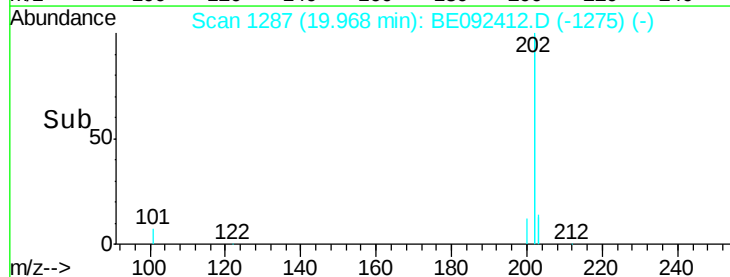
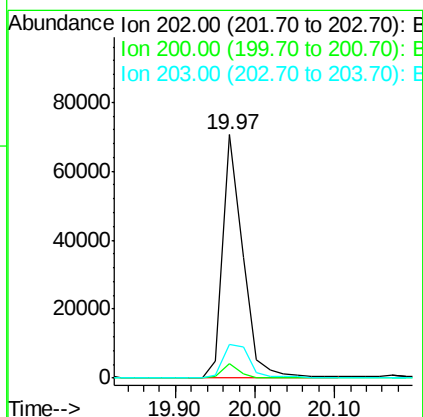
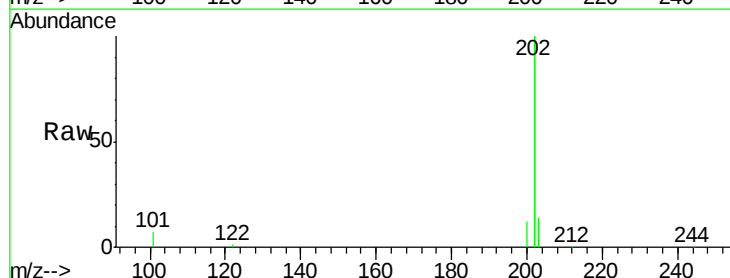
Instrument :
BNA_E
ClientSampleId :
RR-PAH-WP

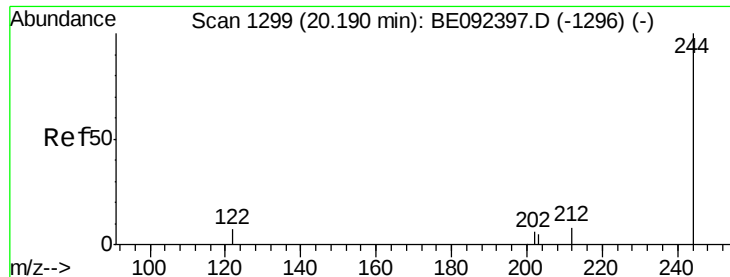
Tgt Ion: 240 Resp: 65965
Ion Ratio Lower Upper
240 100
120 2.5 2.6 4.0#
236 26.9 24.6 37.0



#25
Pyrene
Concen: 2.13 ng
RT: 19.97 min Scan# 1287
Delta R.T. -0.00 min
Lab File: BE092412.D
Acq: 23 Sep 2016 12:43

Tgt Ion: 202 Resp: 121965
Ion Ratio Lower Upper
202 100
200 5.3 4.2 6.4
203 17.5 13.9 20.9

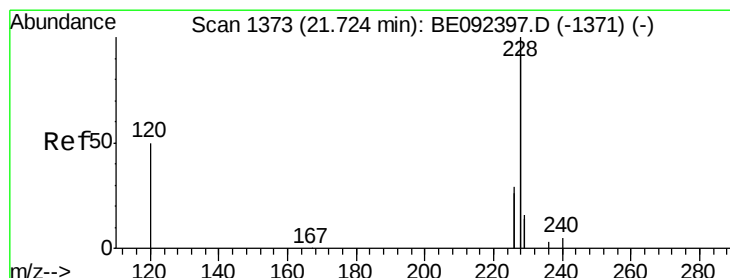
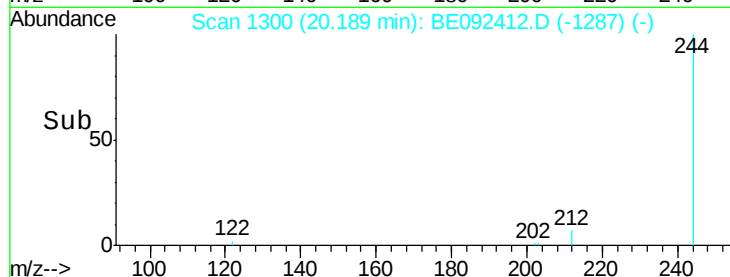
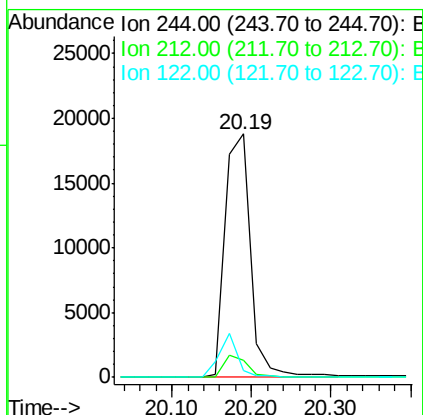
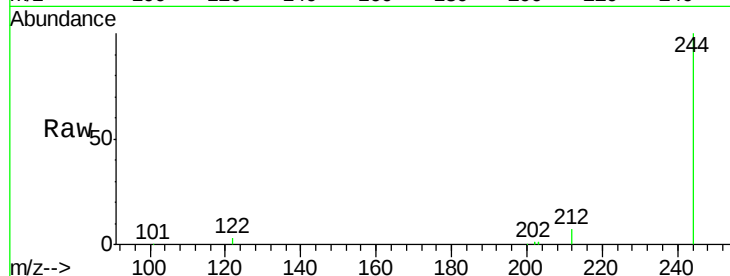




#26
 Terphenyl-d14
 Concen: 5.04 ng
 RT: 20.19 min Scan# 1300
 Delta R.T. 0.02 min
 Lab File: BE092412.D
 Acq: 23 Sep 2016 12:43

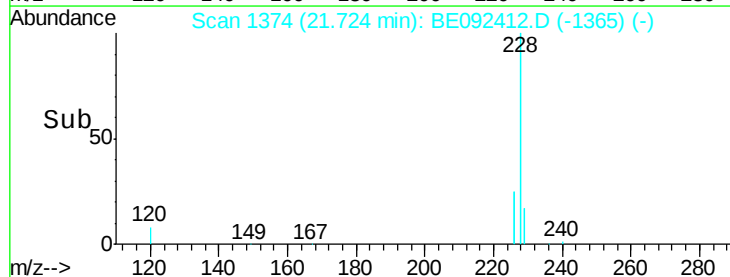
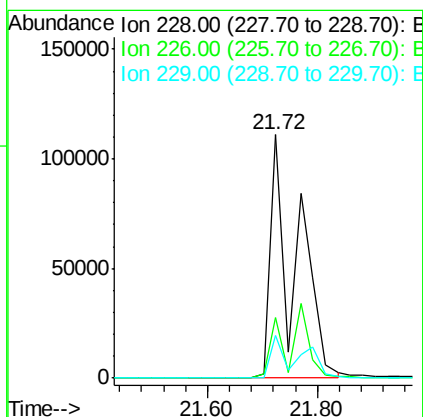
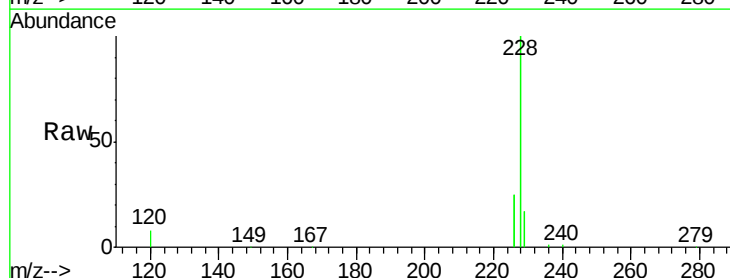
Instrument :
 BNA_E
 ClientSampleId :
 RR-PAH-WP

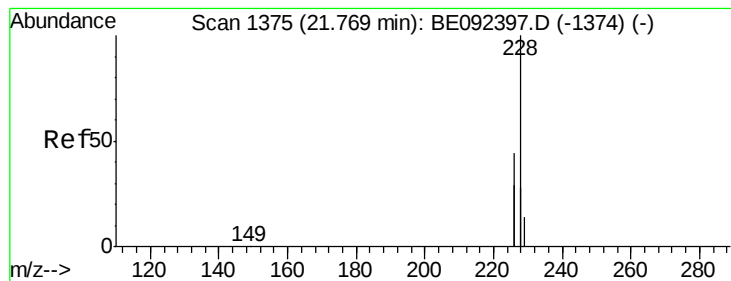
Tgt Ion: 244 Resp: 41267
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.7 10.1
 122 2.9 3.6 5.4#



#27
 Benzo(a)anthracene
 Concen: 5.54 ng
 RT: 21.72 min Scan# 1374
 Delta R.T. 0.00 min
 Lab File: BE092412.D
 Acq: 23 Sep 2016 12:43

Tgt Ion: 228 Resp: 355892
 Ion Ratio Lower Upper
 228 100
 226 25.0 23.6 35.4
 229 17.5 13.3 19.9





#28

Chrysene

Concen: 6.10 ng

RT: 21.72 min Scan# 1374

Delta R.T. -0.04 min

Lab File: BE092412.D

Acq: 23 Sep 2016 12:43

Instrument :

BNA_E

ClientSampled :

RR-PAH-WP

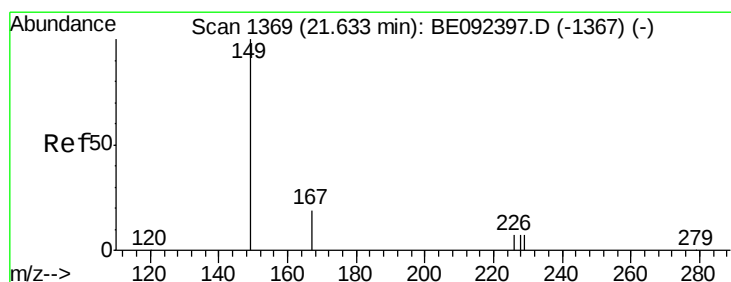
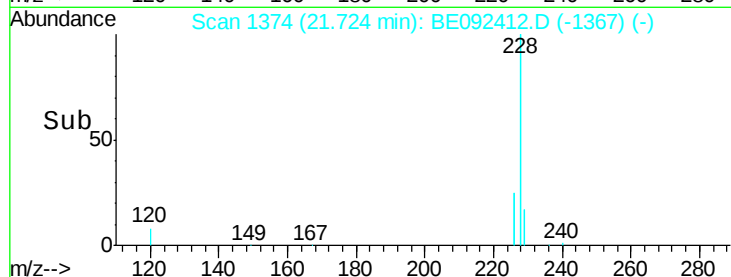
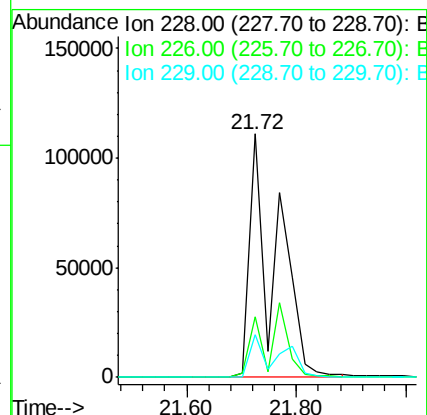
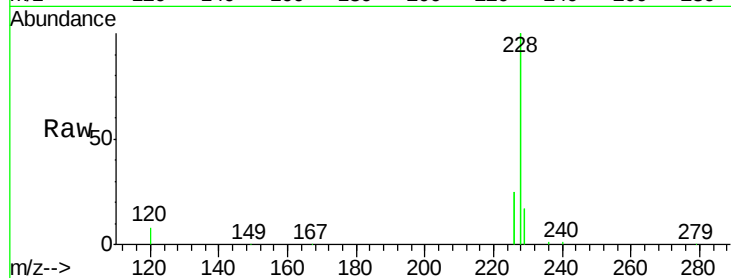
Tgt Ion:228 Resp: 358886

Ion Ratio Lower Upper

228 100

226 25.0 36.3 54.5#

229 17.5 10.6 16.0#



#29

Bis(2-ethylhexyl)phthalate

Concen: 0.01 ng

RT: 21.66 min Scan# 1371

Delta R.T. 0.02 min

Lab File: BE092412.D

Acq: 23 Sep 2016 12:43

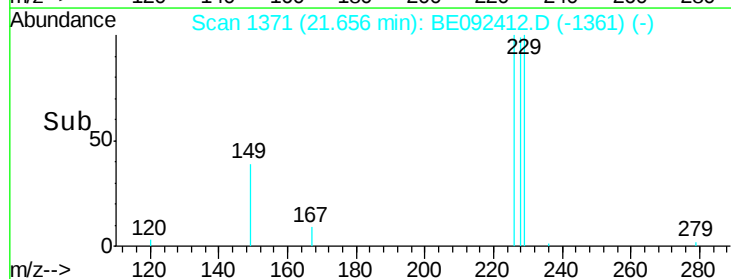
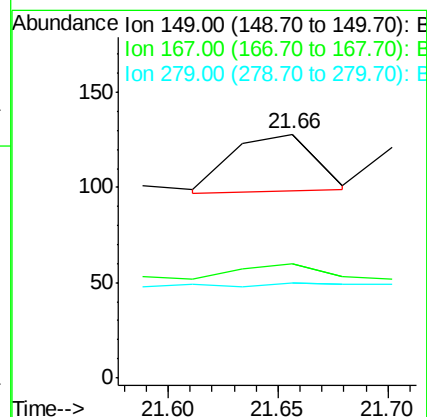
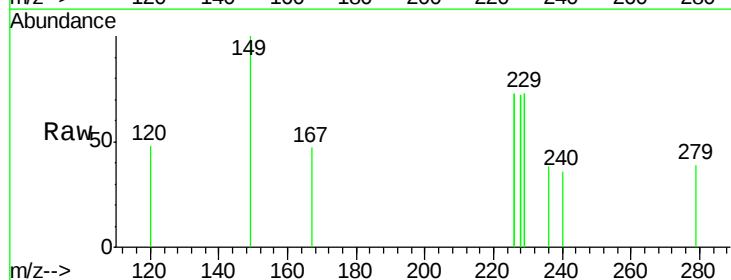
Tgt Ion:149 Resp: 79

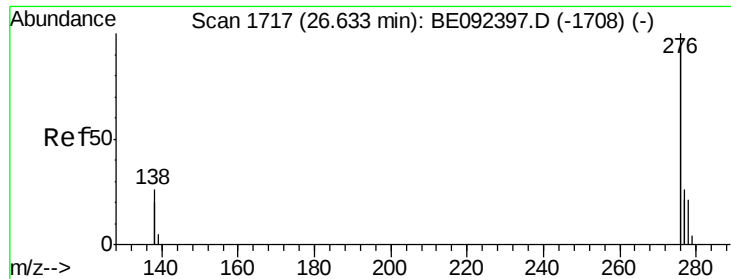
Ion Ratio Lower Upper

149 100

167 38.0 16.0 24.0#

279 8.9 16.0 24.0#





#30

Indeno(1,2,3-cd)pyrene

Concen: 3.66 ng

RT: 26.62 min Scan# 1717

Delta R.T. 0.04 min

Lab File: BE092412.D

Acq: 23 Sep 2016 12:43

Instrument :

BNA_E

ClientSampleId :

RR-PAH-WP

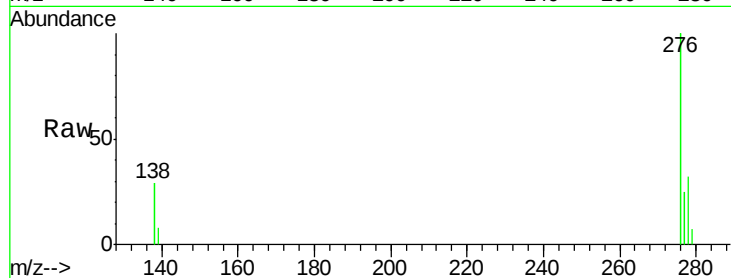
Tgt Ion: 276 Resp: 228480

Ion Ratio Lower Upper

276 100

138 29.3 20.3 30.5

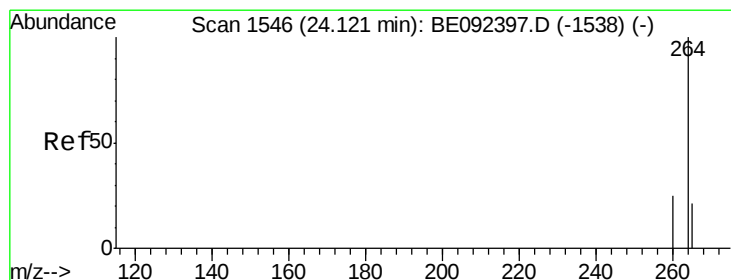
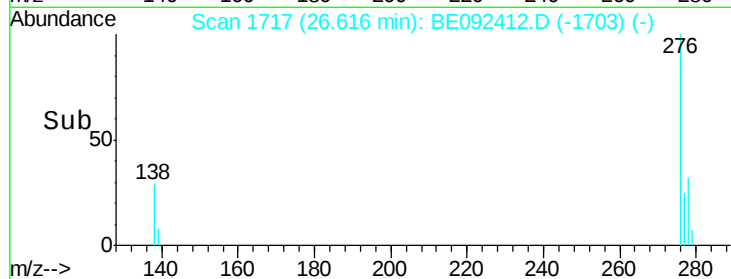
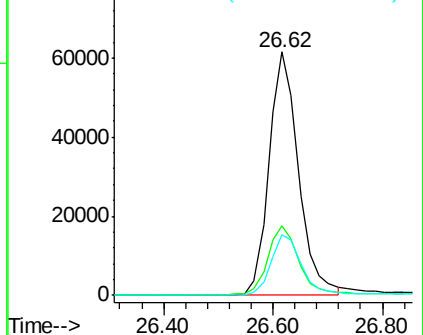
277 25.1 19.7 29.5



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



#31

Perylene-d12

Concen: 5.00 ng

RT: 24.12 min Scan# 1547

Delta R.T. 0.04 min

Lab File: BE092412.D

Acq: 23 Sep 2016 12:43

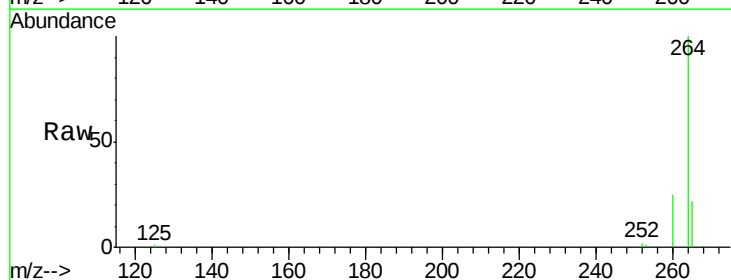
Tgt Ion: 264 Resp: 55959

Ion Ratio Lower Upper

264 100

260 24.9 20.1 30.1

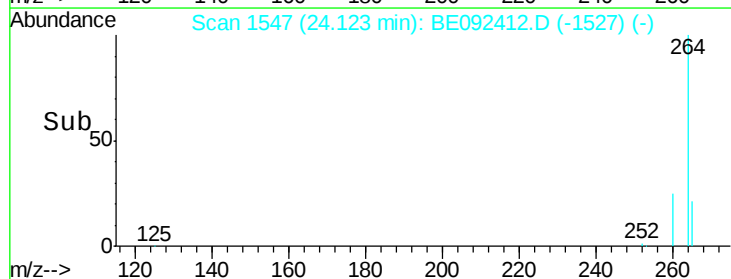
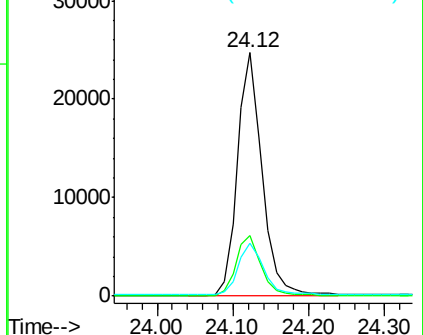
265 21.8 17.9 26.9

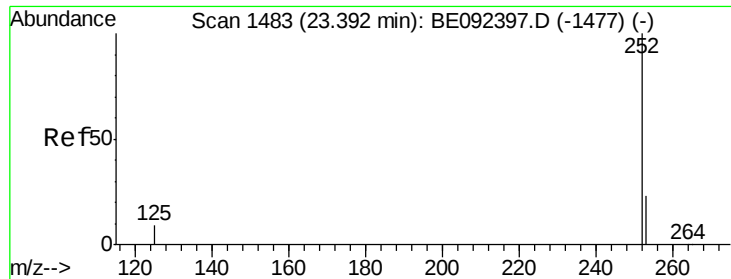


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#32

Benzo(b)fluoranthene

Concen: 3.03 ng

RT: 23.38 min Scan# 1483

Delta R.T. 0.02 min

Lab File: BE092412.D

Acq: 23 Sep 2016 12:43

Instrument :

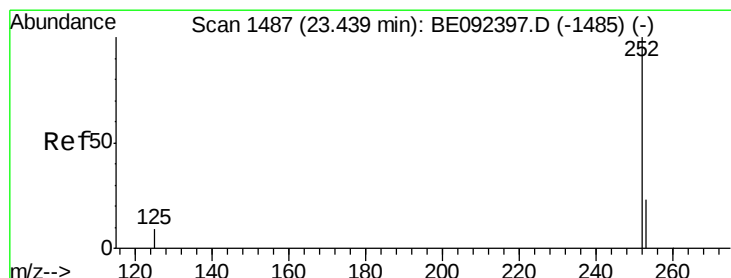
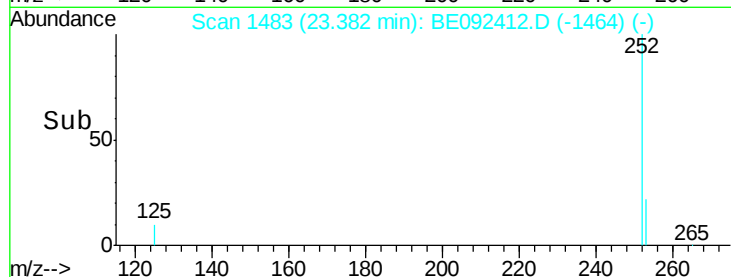
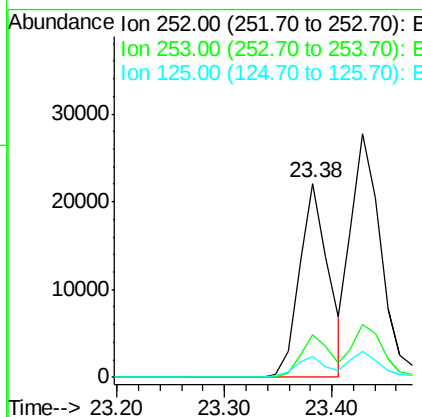
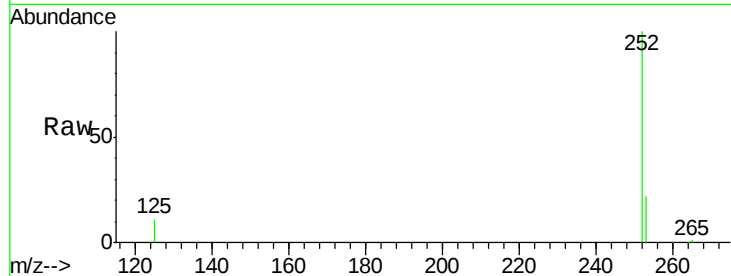
BNA_E

ClientSampleId :

RR-PAH-WP

Tgt Ion:252 Resp: 41057

Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.7	28.1
125	10.7	10.5	15.7



#33

Benzo(k)fluoranthene

Concen: 3.79 ng

RT: 23.43 min Scan# 1487

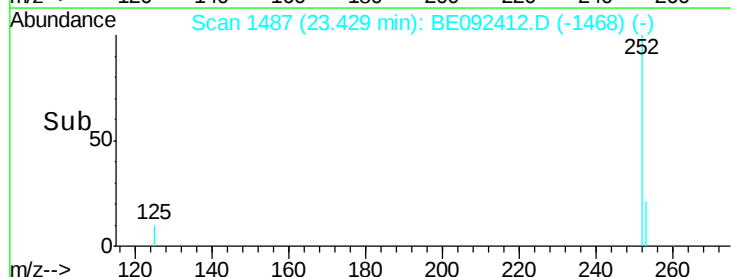
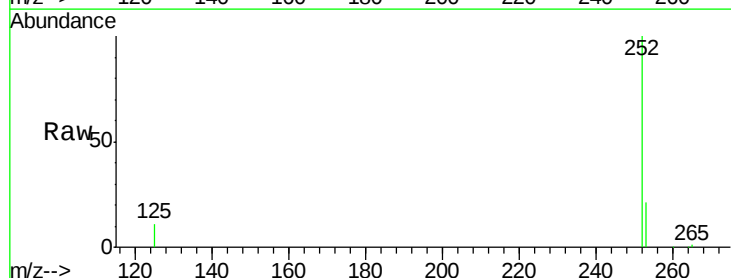
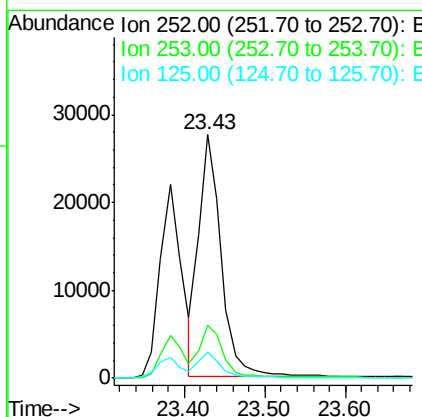
Delta R.T. 0.02 min

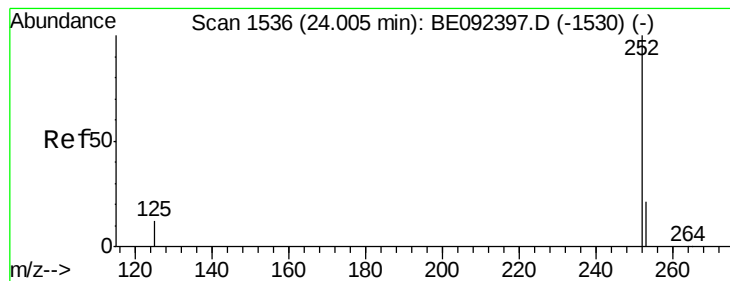
Lab File: BE092412.D

Acq: 23 Sep 2016 12:43

Tgt Ion:252 Resp: 53800

Ion	Ratio	Lower	Upper
252	100		
253	21.5	20.3	30.5
125	10.6	9.6	14.4





#34

Benzo(a)pyrene

Concen: 4.81 ng

RT: 24.01 min Scan# 1537

Delta R.T. 0.02 min

Lab File: BE092412.D

Acq: 23 Sep 2016 12:43

Instrument :

BNA_E

ClientSampleId :

RR-PAH-WP

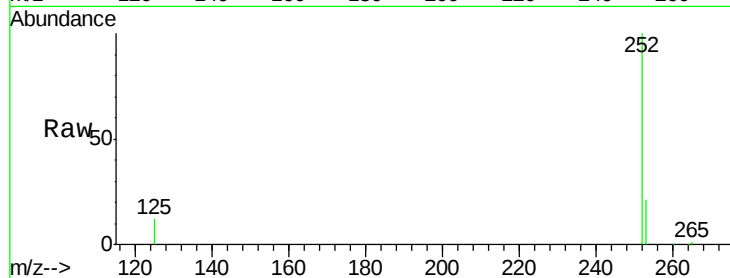
Tgt Ion: 252 Resp: 63838

Ion Ratio Lower Upper

252 100

253 21.3 19.0 28.6

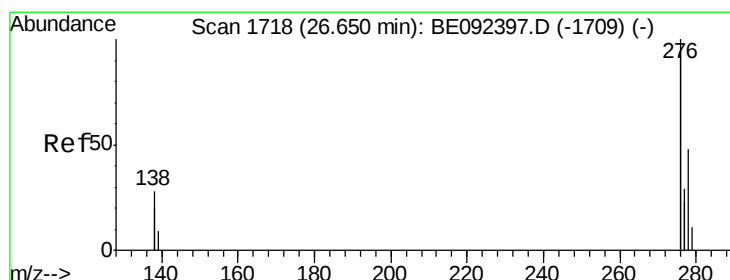
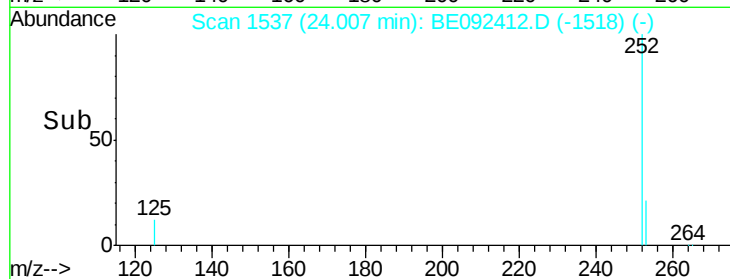
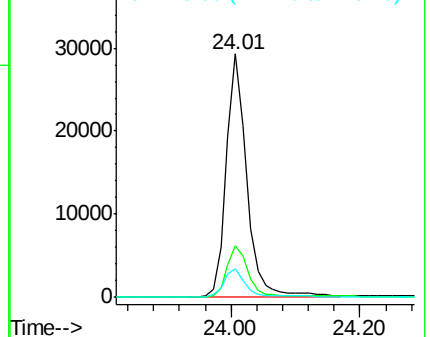
125 11.9 11.8 17.8



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



#35

Dibenzo(a,h)anthracene

Concen: 5.29 ng

RT: 26.63 min Scan# 1718

Delta R.T. 0.04 min

Lab File: BE092412.D

Acq: 23 Sep 2016 12:43

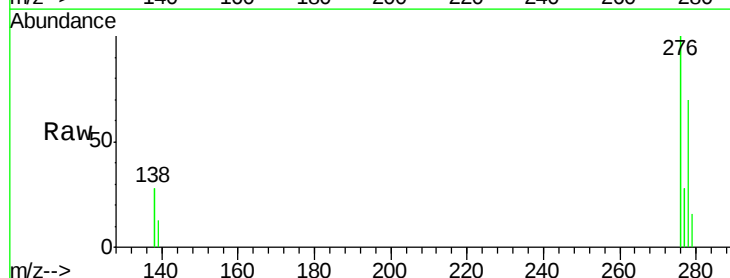
Tgt Ion: 278 Resp: 64373

Ion Ratio Lower Upper

278 100

139 19.0 13.8 20.8

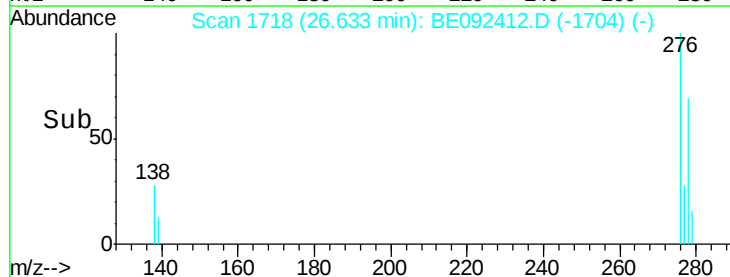
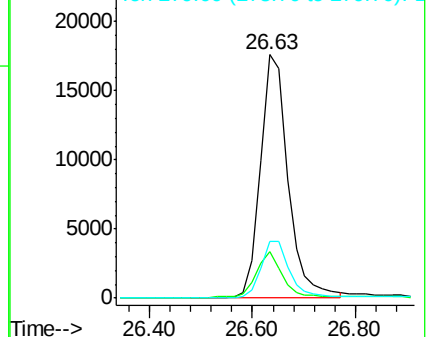
279 23.5 21.4 32.2

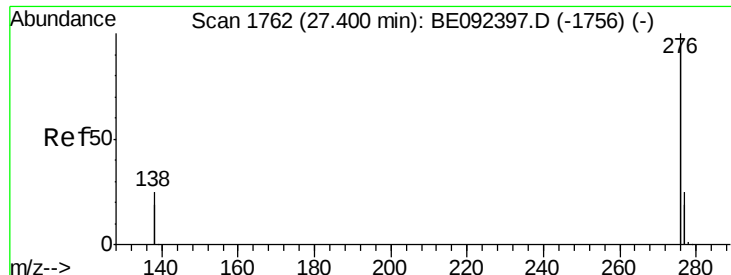


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#36

Benzo(g,h,i)perylene

Concen: 2.56 ng

RT: 27.38 min Scan# 1762

Delta R.T. 0.04 min

Lab File: BE092412.D

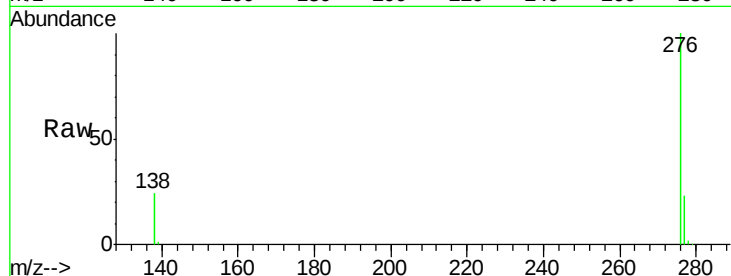
Acq: 23 Sep 2016 12:43

Instrument :

BNA_E

ClientSampleId :

RR-PAH-WP



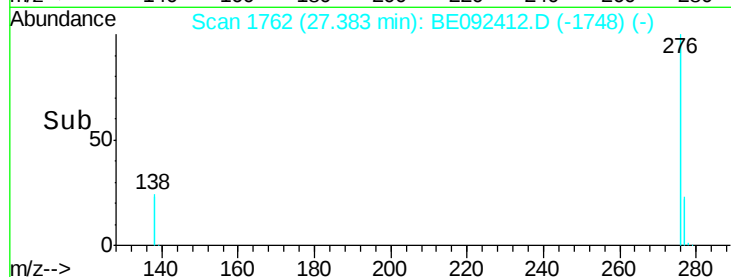
Tgt Ion: 276 Resp: 133947

Ion Ratio Lower Upper

276 100

277 23.1 19.8 29.8

138 24.3 19.8 29.6



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

