

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE092316\
 Data File : BE092413.D
 Acq On : 23 Sep 2016 13:19
 Operator : UM/SJ
 Sample : H4803-21DL 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RR-PAH-WPDL

Quant Time: Sep 23 19:26:36 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	8.16	152	5810	5.00	ng	-0.02
7) Naphthalene-d8	10.95	136	26017	5.00	ng	0.00
12) Acenaphthene-d10	14.82	164	21435	5.00	ng	0.00
18) Phenanthrene-d10	17.58	188	45587	5.00	ng	0.02
24) Chrysene-d12	21.75	240	58269	5.00	ng	0.00
31) Perylene-d12	24.12	264	52428	5.00	ng	0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.67	112	6155	4.54	ng	-0.02
5) Phenol-d6	7.33	99	7371	3.81	ng	-0.02
8) Nitrobenzene-d5	9.36	82	2818	1.61	ng	0.00
13) 2,4,6-Tribromophenol	16.32	330	2290	3.11	ng	0.00
14) 2-Fluorobiphenyl	13.45	172	10563	2.08	ng	0.00
26) Terphenyl-d14	20.19	244	17965	2.49	ng	0.02

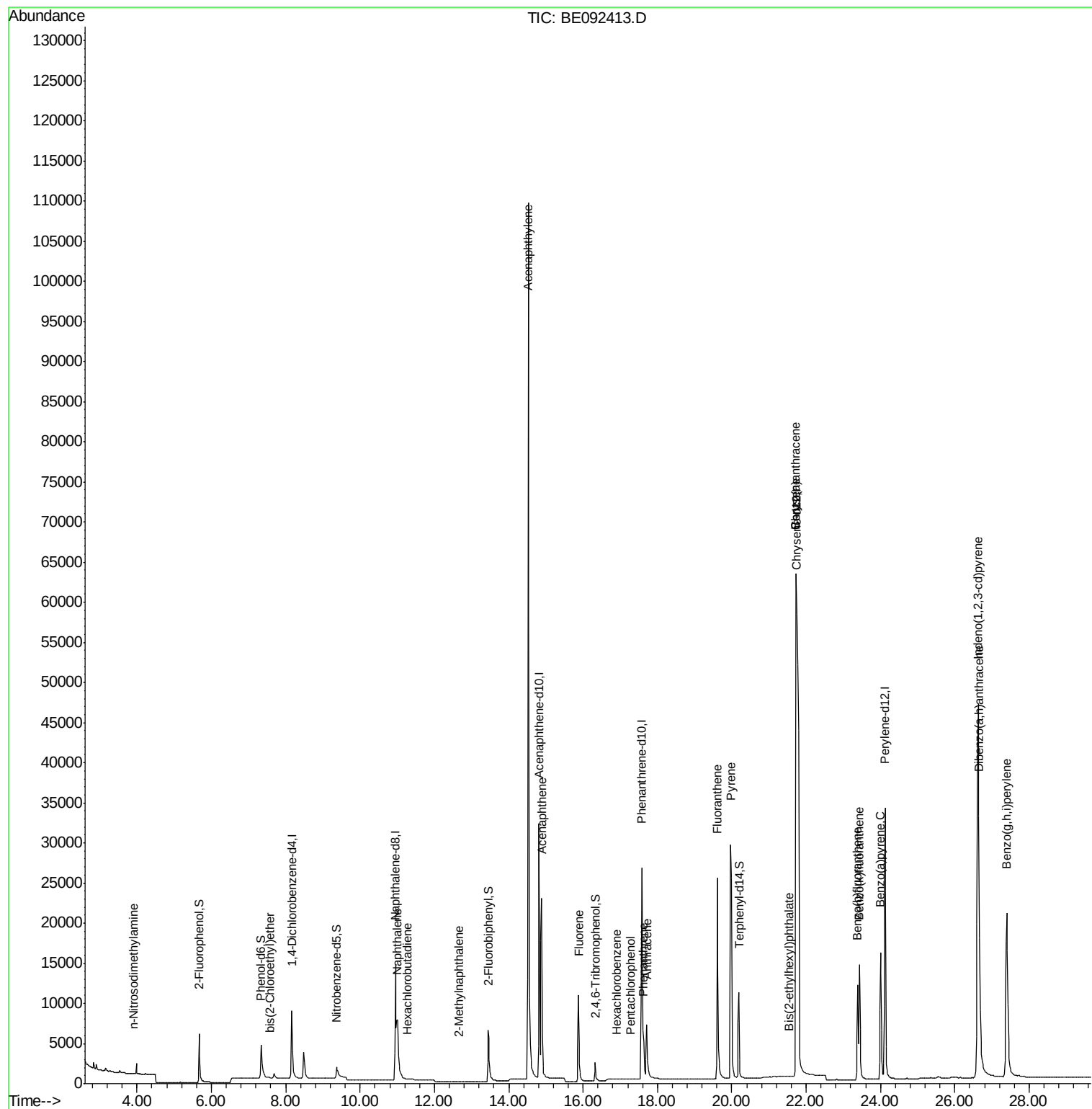
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.45	88	8	Below Cal	#	19
3) n-Nitrosodimethylamine	3.91	42	4	0.20	ng	# 1
6) bis(2-Chloroethyl)ether	7.57	93	10	0.10	ng	# 15
9) Naphthalene	11.01	128	15720	2.79	ng	95
10) Hexachlorobutadiene	11.28	225	2	0.00	ng	# 18
11) 2-Methylnaphthalene	12.67	142	10	0.00	ng	# 59
15) Acenaphthylene	14.53	152	173094	5.58	ng	100
16) Acenaphthene	14.88	154	6068	1.25	ng	96
17) Fluorene	15.88	166	11504	1.87	ng	100
19) Hexachlorobenzene	16.91	284	11	0.01	ng	# 39
20) Pentachlorophenol	17.28	266	1	0.18	ng	# 72
21) Phenanthrene	17.63	178	7838	0.75	ng	# 74
22) Anthracene	17.72	178	12427	1.23	ng	100
23) Fluoranthene	19.61	202	40934	0.82	ng	100
25) Pyrene	19.97	202	52297	1.04	ng	99
27) Benzo(a)anthracene	21.72	228	150669	2.65	ng	99
28) Chrysene	21.72	228	152442	2.93	ng	# 79
29) Bis(2-ethylhexyl)phthalate	21.54	149	215	0.04	ng	# 58
30) Indeno(1,2,3-cd)pyrene	26.63	276	94973	1.72	ng	96
32) Benzo(b)fluoranthene	23.38	252	16788	1.32	ng	96
33) Benzo(k)fluoranthene	23.43	252	24046	1.81	ng	94
34) Benzo(a)pyrene	24.01	252	27371	2.20	ng	96
35) Dibenzo(a,h)anthracene	26.65	278	26609	2.33	ng	96
36) Benzo(g,h,i)perylene	27.40	276	56352	1.15	ng	98

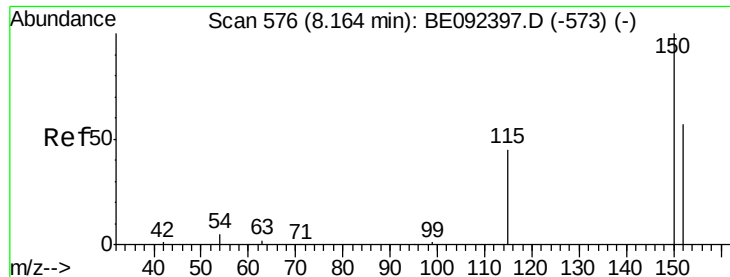
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE092316\
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QLast Update : Thu Sep 22 18:25:56 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.16 min Scan# 576

Delta R.T. -0.02 min

Lab File: BE092413.D

Acq: 23 Sep 2016 13:19

Instrument :

BNA_E

ClientSampled :

RR-PAH-WPDL

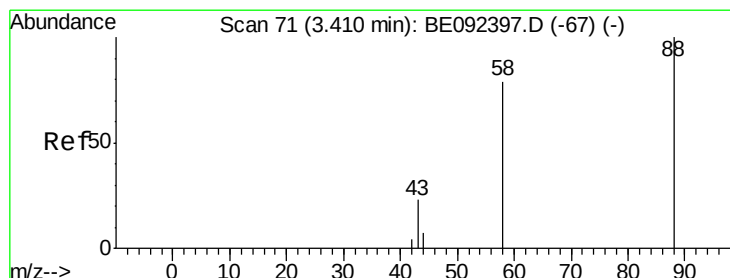
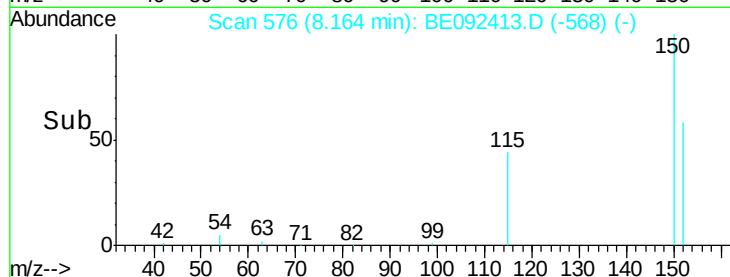
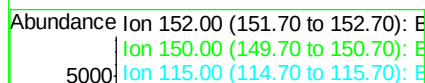
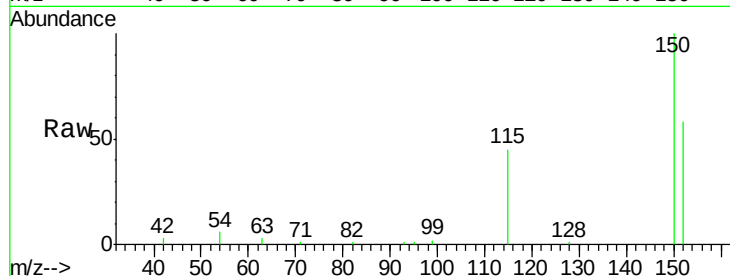
Tgt Ion:152 Resp: 5810

Ion Ratio Lower Upper

152 100

150 171.2 106.0 159.0#

115 77.6 31.2 46.8#



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.45 min Scan# 74

Delta R.T. 0.02 min

Lab File: BE092413.D

Acq: 23 Sep 2016 13:19

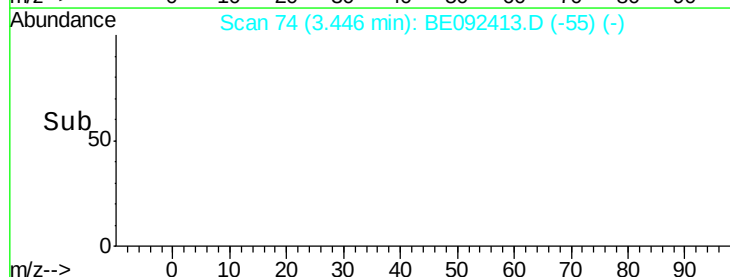
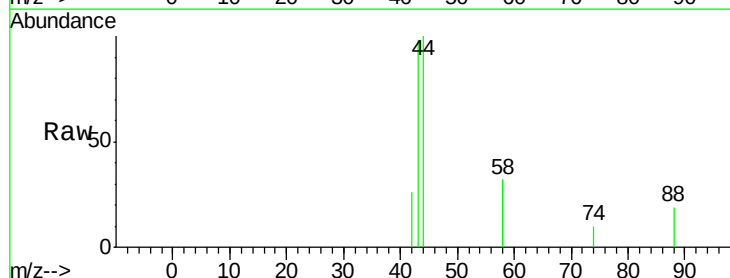
Tgt Ion: 88 Resp: 8

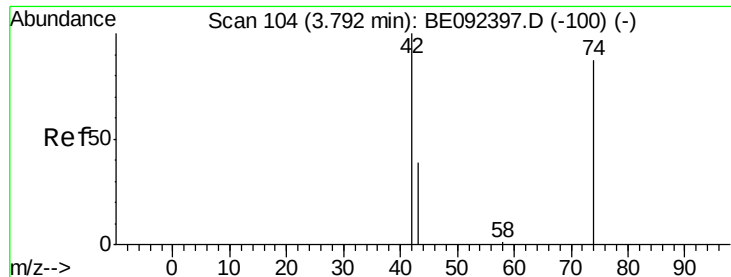
Ion Ratio Lower Upper

88 100

58 0.0 63.6 95.4#

43 0.0 28.0 42.0#





#3

n-Nitrosodimethylamine

Concen: 0.20 ng

RT: 3.91 min Scan# 114

Delta R.T. 0.11 min

Lab File: BE092413.D

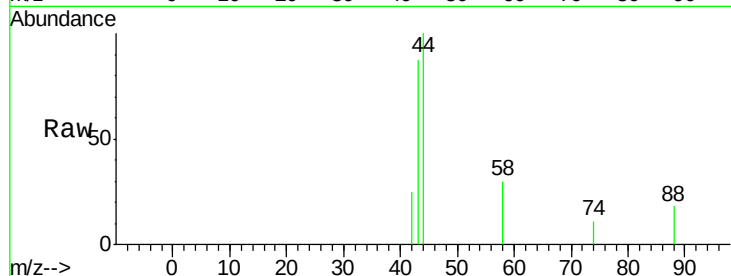
Acq: 23 Sep 2016 13:19

Instrument :

BNA_E

ClientSampleId :

RR-PAH-WPDL



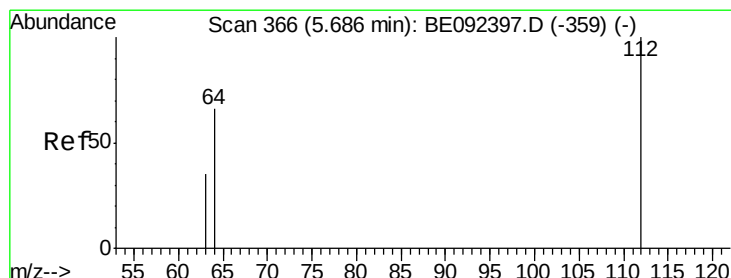
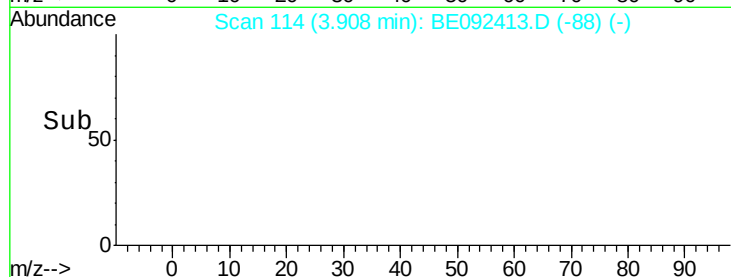
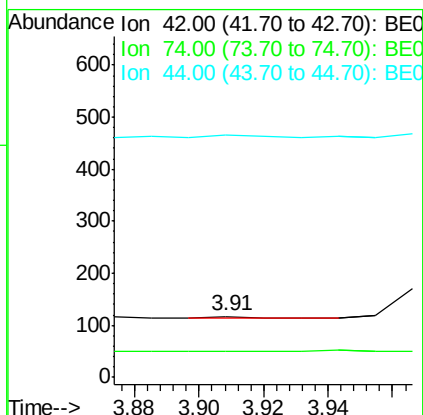
Tgt Ion: 42 Resp: 4

Ion Ratio Lower Upper

42 100

74 0.0 86.0 129.0#

44 200.0 5.1 7.7#



#4

2-Fluorophenol

Concen: 4.54 ng

RT: 5.67 min Scan# 363

Delta R.T. -0.02 min

Lab File: BE092413.D

Acq: 23 Sep 2016 13:19

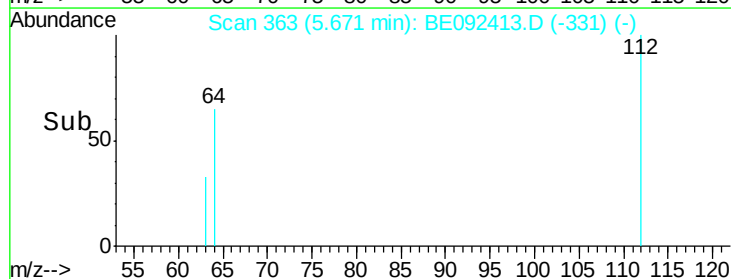
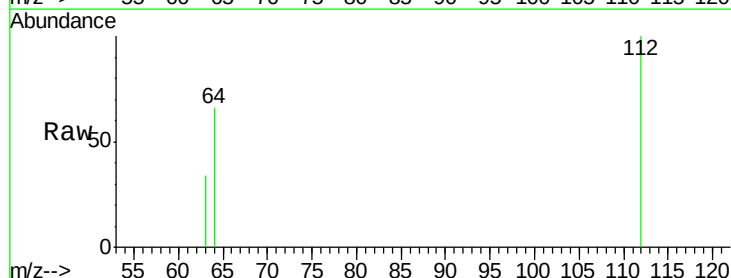
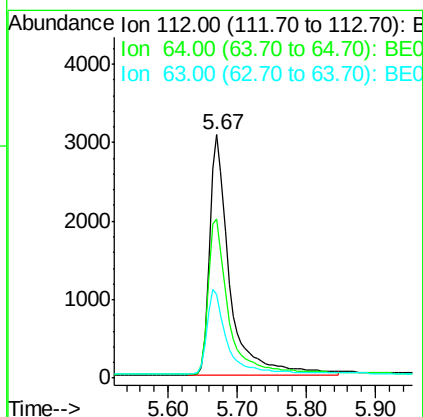
Tgt Ion: 112 Resp: 6155

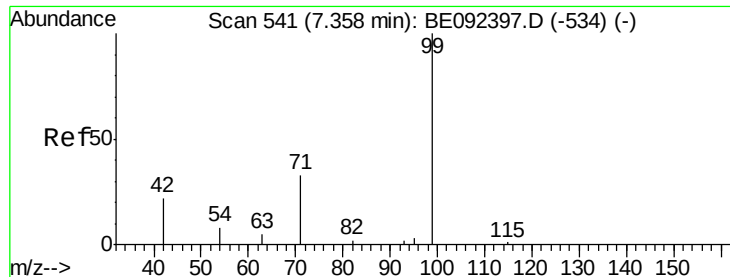
Ion Ratio Lower Upper

112 100

64 67.1 53.5 80.3

63 35.9 27.9 41.9





#5

Phenol-d6

Concen: 3.81 ng

RT: 7.33 min Scan# 540

Delta R.T. -0.02 min

Lab File: BE092413.D

Acq: 23 Sep 2016 13:19

Instrument :

BNA_E

ClientSampleId :

RR-PAH-WPDL

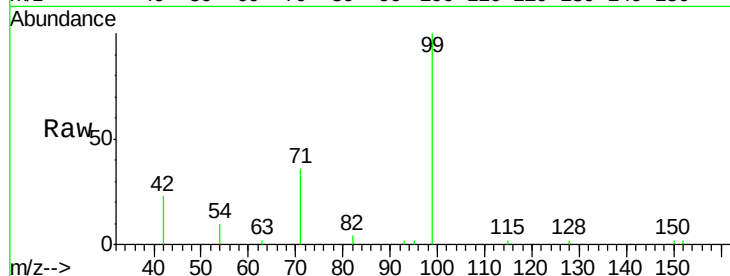
Tgt Ion: 99 Resp: 7371

Ion Ratio Lower Upper

99 100

42 23.2 16.0 24.0

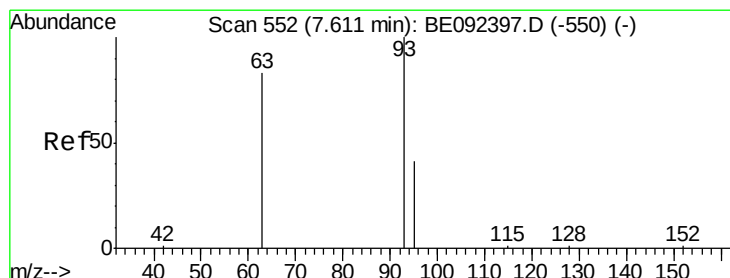
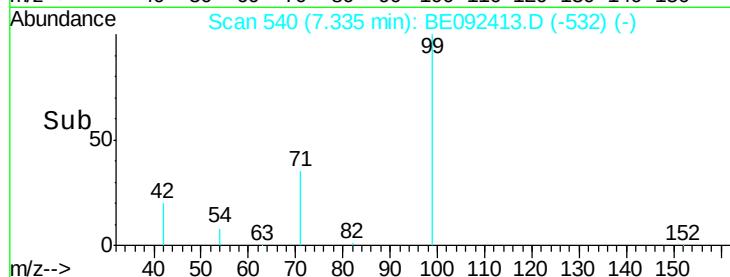
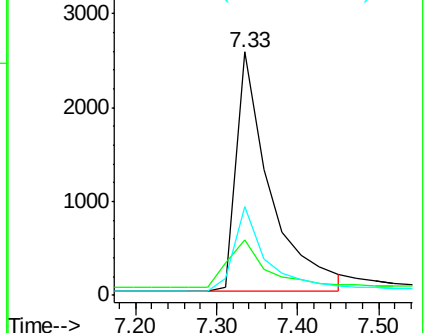
71 33.9 30.6 45.8



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. -0.05 min

Lab File: BE092413.D

Acq: 23 Sep 2016 13:19

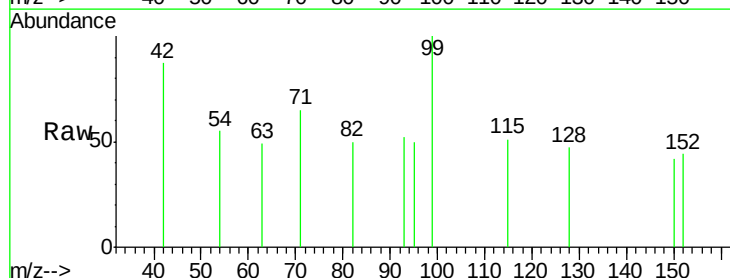
Tgt Ion: 93 Resp: 10

Ion Ratio Lower Upper

93 100

63 0.0 71.6 107.4#

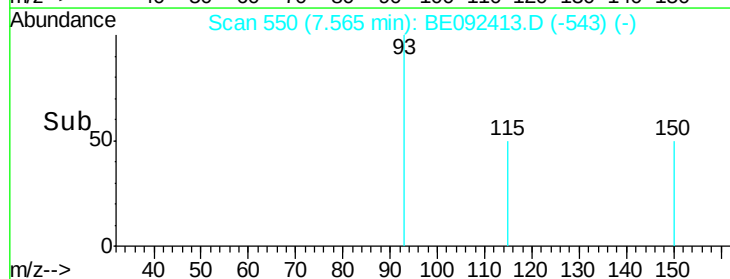
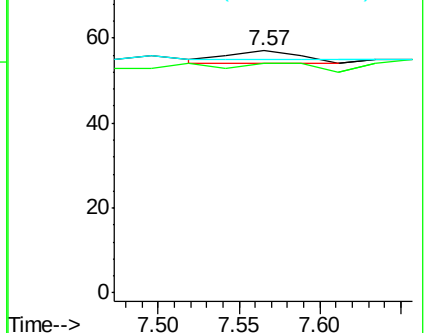
95 0.0 24.0 36.0#

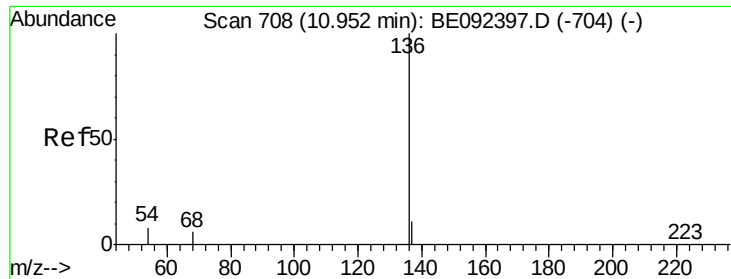


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.95 min Scan# 708

Delta R.T. -0.00 min

Lab File: BE092413.D

Acq: 23 Sep 2016 13:19

Instrument :

BNA_E

ClientSampleId :

RR-PAH-WPDL

Tgt Ion:136 Resp: 26017

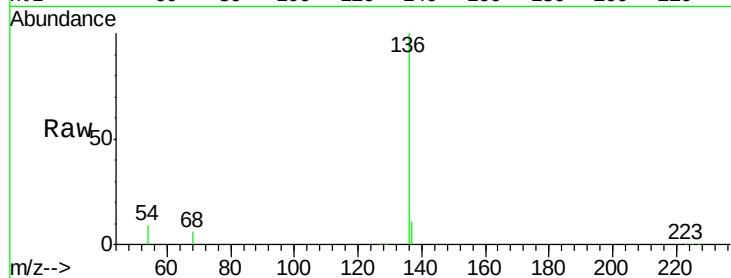
Ion Ratio Lower Upper

136 100

137 11.0 8.2 12.4

54 8.8 9.6 14.4#

68 6.5 6.7 10.1#

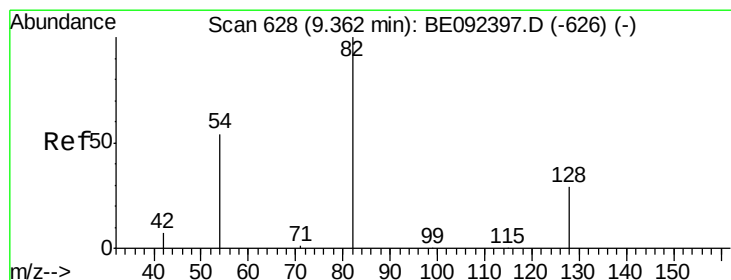
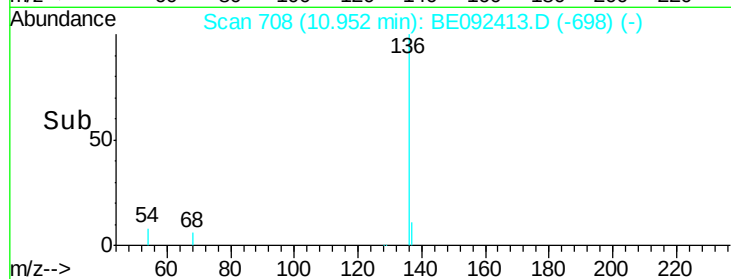
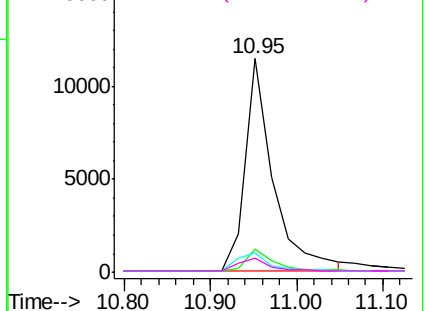


Abundance Ion 136.00 (135.70 to 136.70): E

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



#8

Nitrobenzene-d5

Concen: 1.61 ng

RT: 9.36 min Scan# 628

Delta R.T. -0.00 min

Lab File: BE092413.D

Acq: 23 Sep 2016 13:19

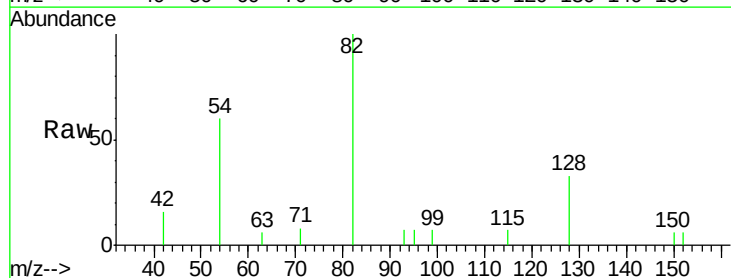
Tgt Ion: 82 Resp: 2818

Ion Ratio Lower Upper

82 100

128 32.5 39.0 58.4#

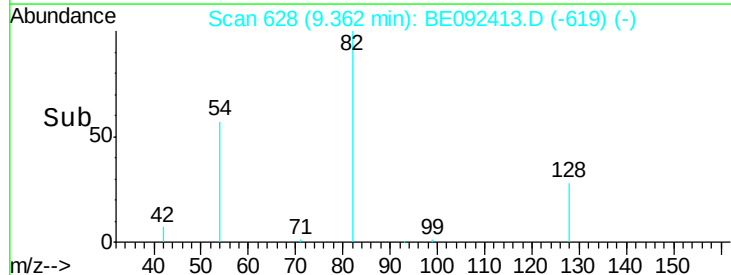
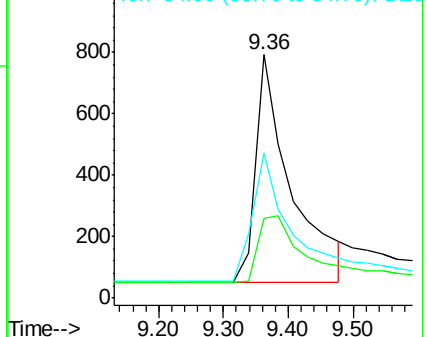
54 59.6 44.8 67.2

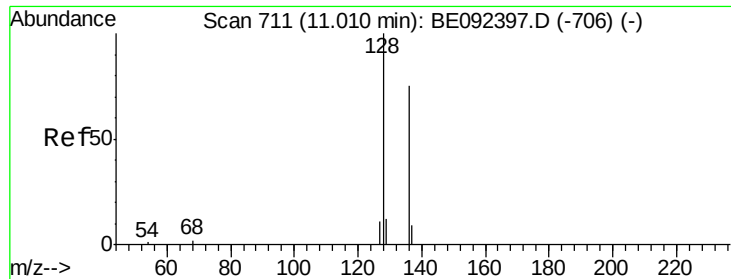


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 2.79 ng

RT: 11.01 min Scan# 711

Delta R.T. -0.00 min

Lab File: BE092413.D

Acq: 23 Sep 2016 13:19

Instrument :

BNA_E

ClientSampleId :

RR-PAH-WPDL

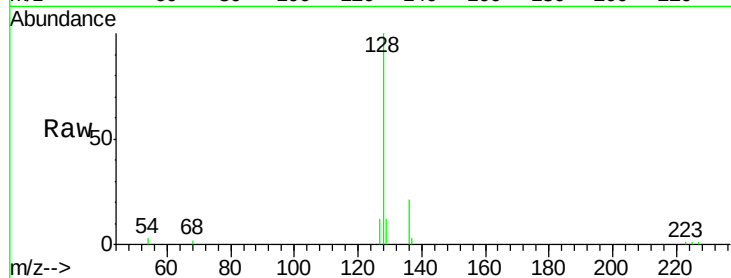
Tgt Ion:128 Resp: 15720

Ion Ratio Lower Upper

128 100

129 12.5 11.2 16.8

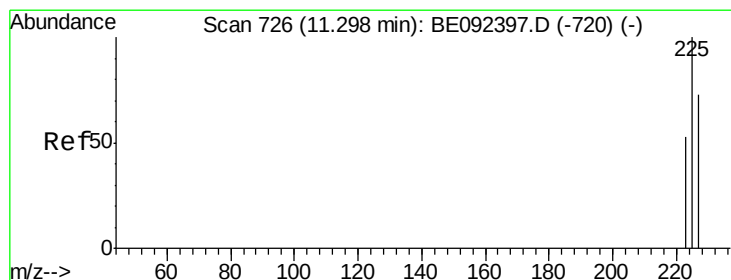
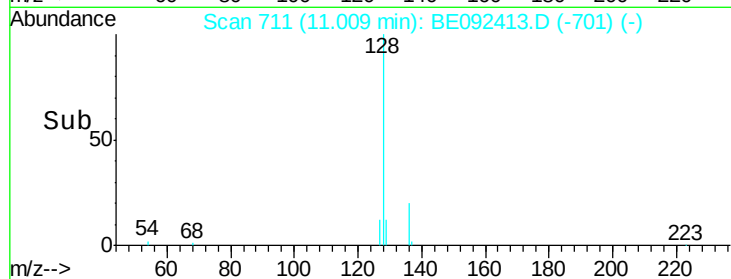
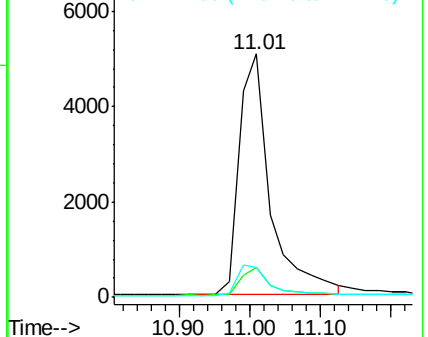
127 12.3 11.6 17.4



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.00 ng

RT: 11.28 min Scan# 725

Delta R.T. -0.02 min

Lab File: BE092413.D

Acq: 23 Sep 2016 13:19

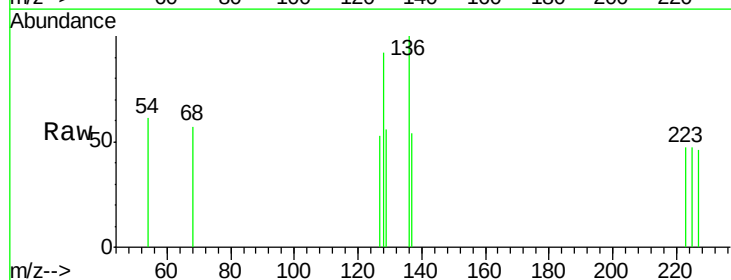
Tgt Ion:225 Resp: 2

Ion Ratio Lower Upper

225 100

223 0.0 50.6 76.0#

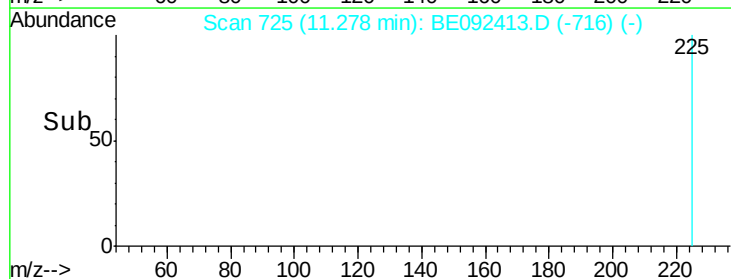
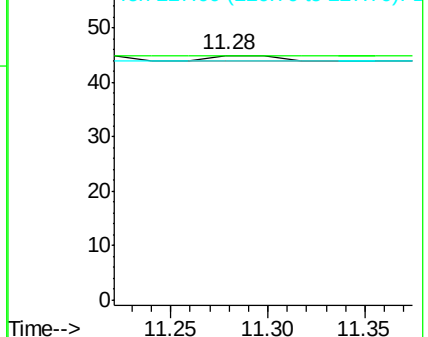
227 0.0 51.4 77.0#

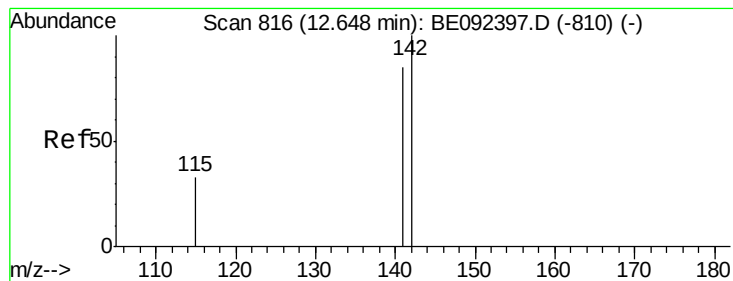


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene

Concen: 0.00 ng

RT: 12.67 min Scan# 818

Delta R.T. 0.02 min

Lab File: BE092413.D

Acq: 23 Sep 2016 13:19

Instrument :

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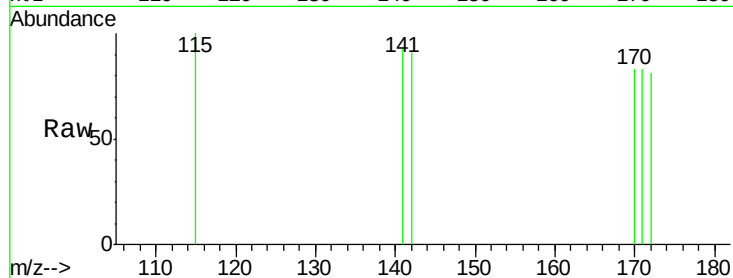
Tgt Ion:142 Resp: 10

Ion Ratio Lower Upper

142 100

141 102.0 73.7 110.5

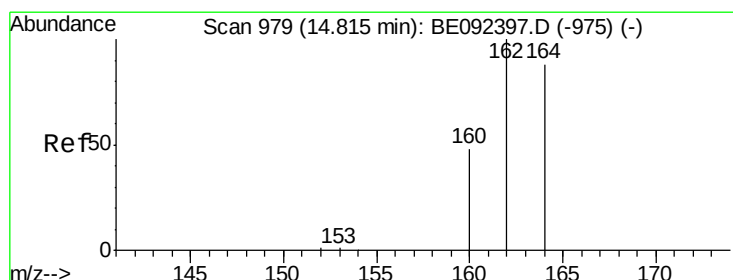
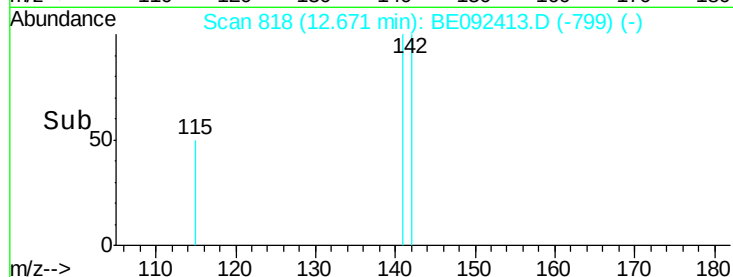
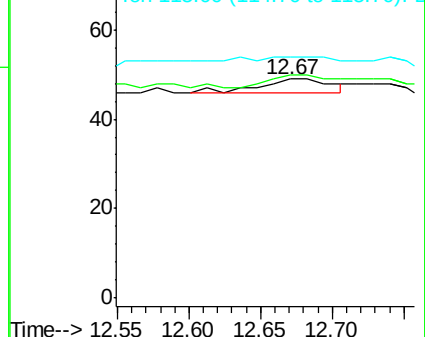
115 110.2 34.0 51.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.82 min Scan# 980

Delta R.T. 0.00 min

Lab File: BE092413.D

Acq: 23 Sep 2016 13:19

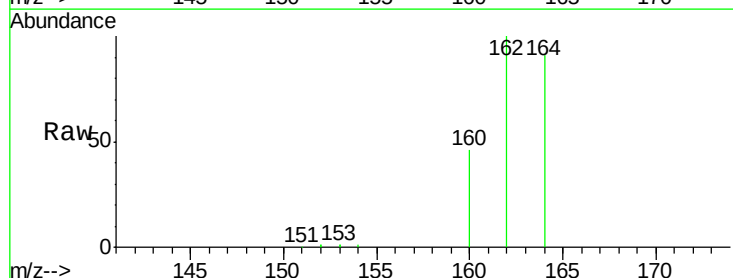
Tgt Ion:164 Resp: 21435

Ion Ratio Lower Upper

164 100

162 109.5 71.4 107.0#

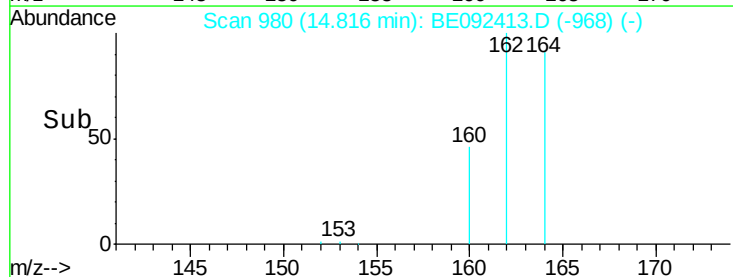
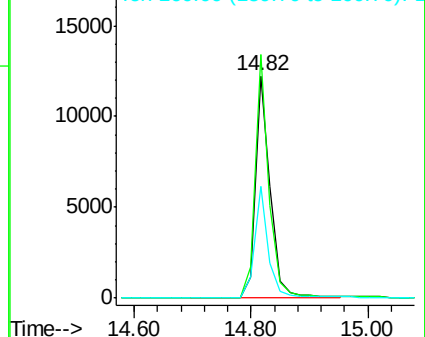
160 50.0 27.4 41.2#

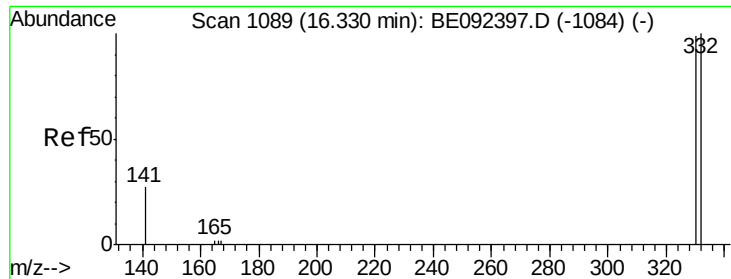


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

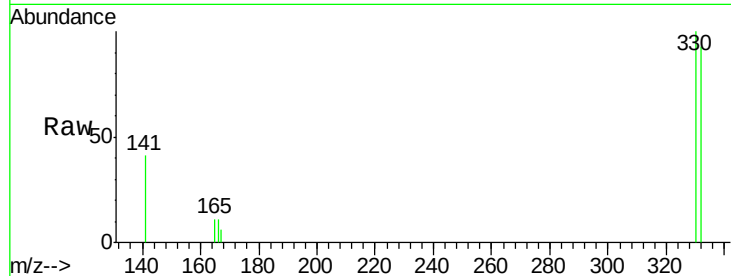




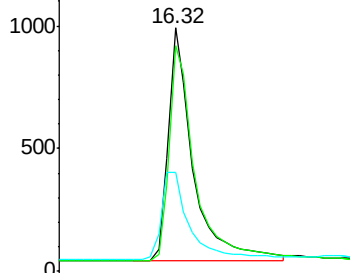
#13
 2,4,6-Tribromophenol
 Concen: 3.11 ng
 RT: 16.32 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: BE092413.D
 Acq: 23 Sep 2016 13:19

Instrument :
 BNA_E
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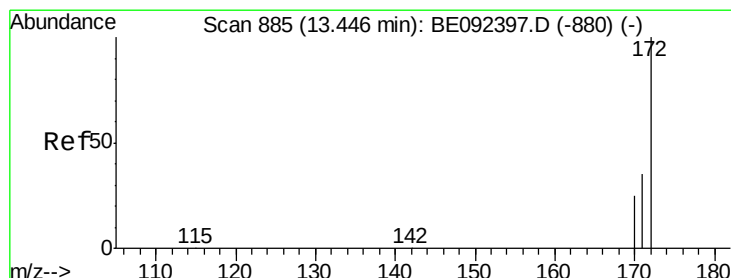
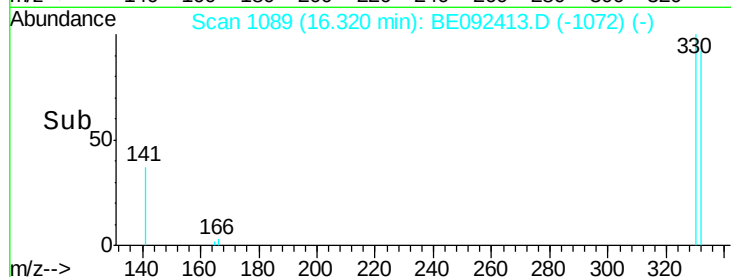
Tgt Ion:330 Resp: 2290
 Ion Ratio Lower Upper
 330 100
 332 96.6 75.4 113.0
 141 42.4 31.0 46.6



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

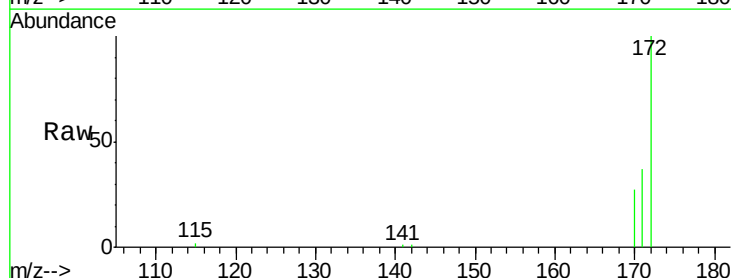


Time-->

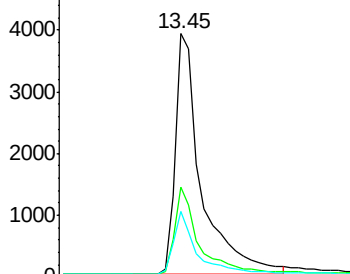


#14
 2-Fluorobiphenyl
 Concen: 2.08 ng
 RT: 13.45 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: BE092413.D
 Acq: 23 Sep 2016 13:19

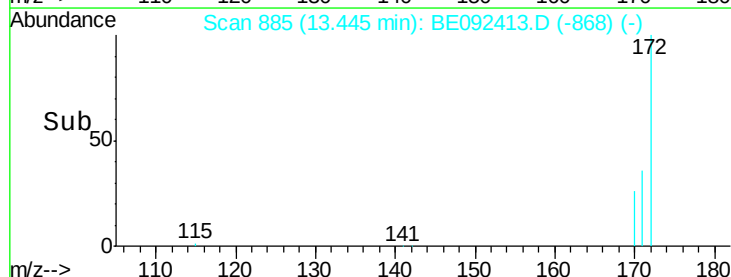
Tgt Ion:172 Resp: 10563
 Ion Ratio Lower Upper
 172 100
 171 36.9 30.1 45.1
 170 26.8 21.8 32.6

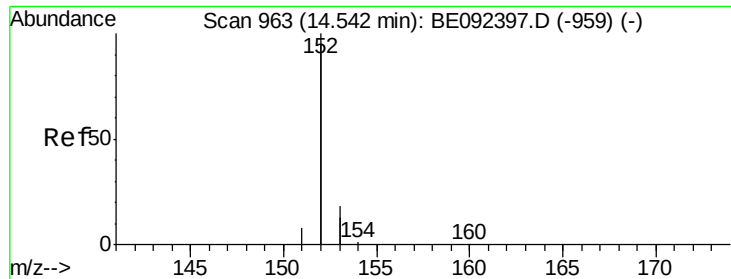


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



Time-->





#15

Acenaphthylene

Concen: 5.58 ng

RT: 14.53 min Scan# 963

Delta R.T. 0.00 min

Lab File: BE092413.D

Acq: 23 Sep 2016 13:19

Instrument :

BNA_E

ClientSampleId :

RR-PAH-WPDL

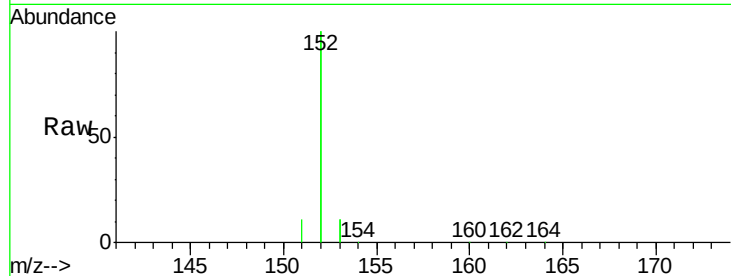
Tgt Ion:152 Resp: 173094

Ion Ratio Lower Upper

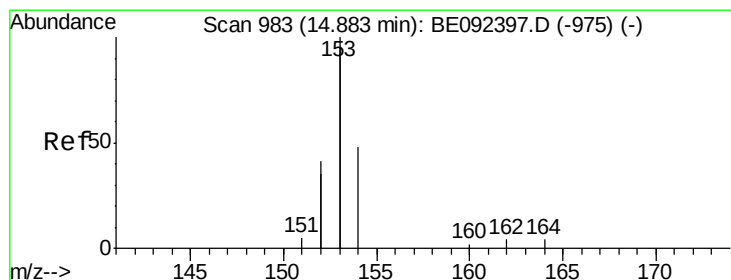
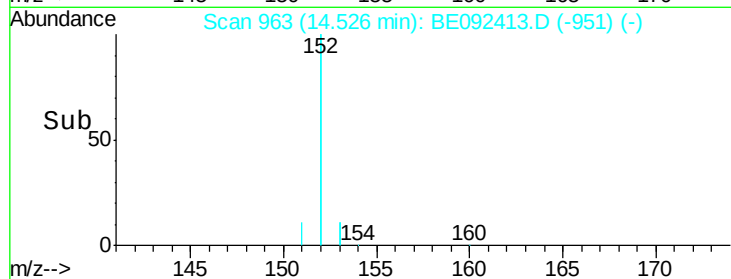
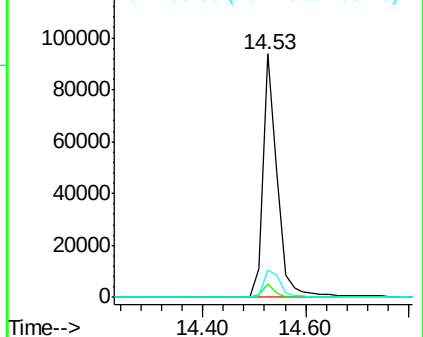
152 100

151 5.0 3.9 5.9

153 13.1 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: 1.25 ng

RT: 14.88 min Scan# 984

Delta R.T. 0.00 min

Lab File: BE092413.D

Acq: 23 Sep 2016 13:19

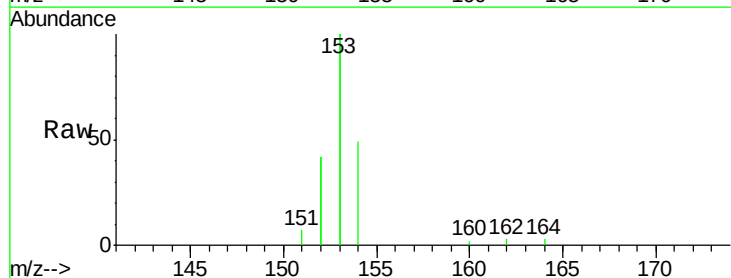
Tgt Ion:154 Resp: 6068

Ion Ratio Lower Upper

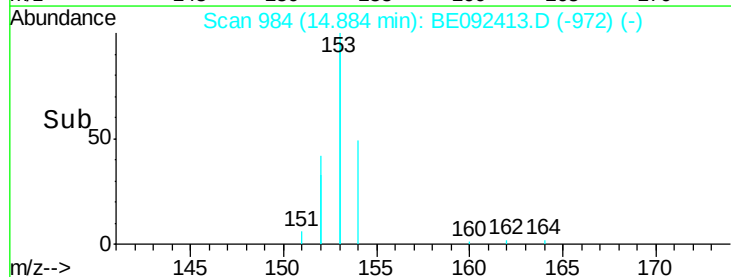
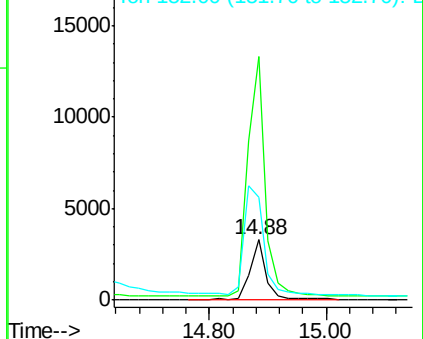
154 100

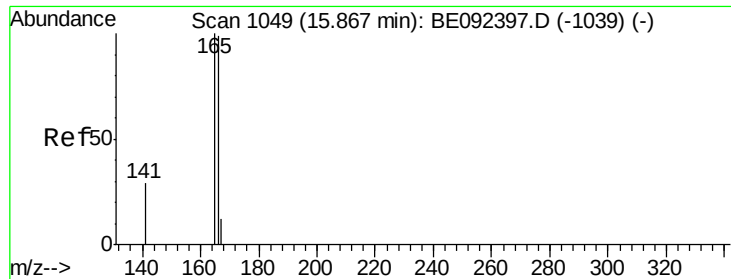
153 444.1 350.8 526.2

152 227.4 171.1 256.7



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

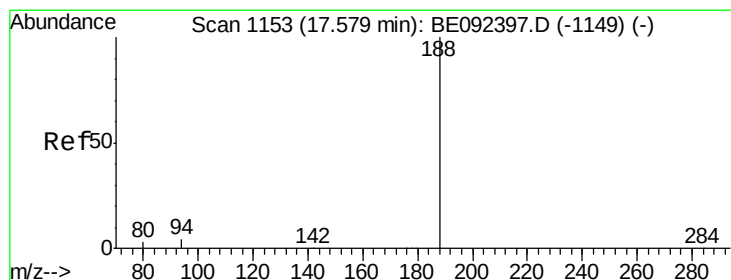
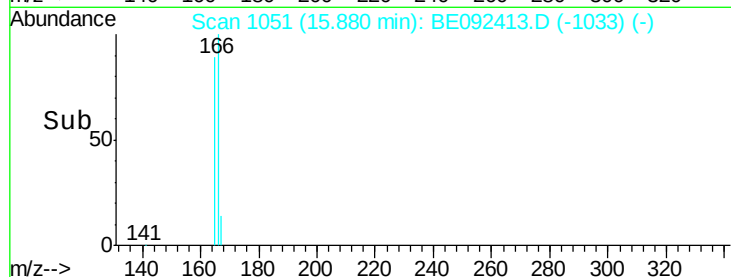
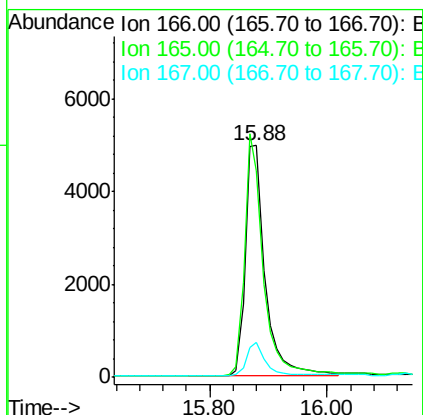
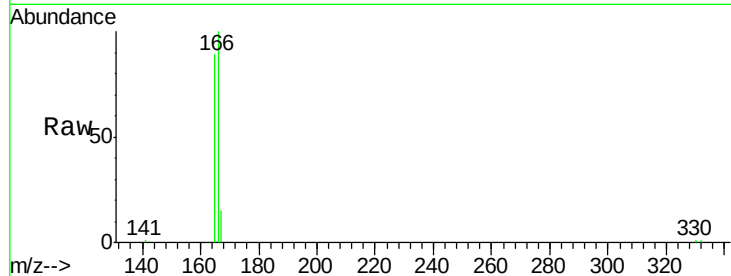




#17
Fluorene
 Concen: 1.87 ng
 RT: 15.88 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: BE092413.D
 Acq: 23 Sep 2016 13:19

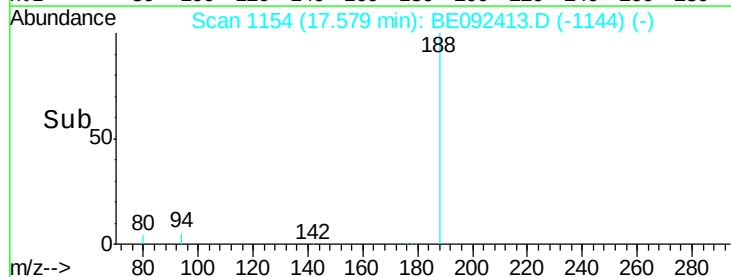
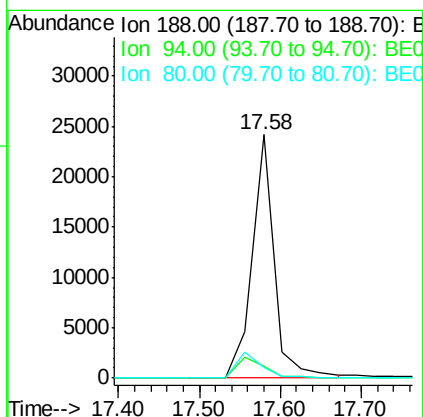
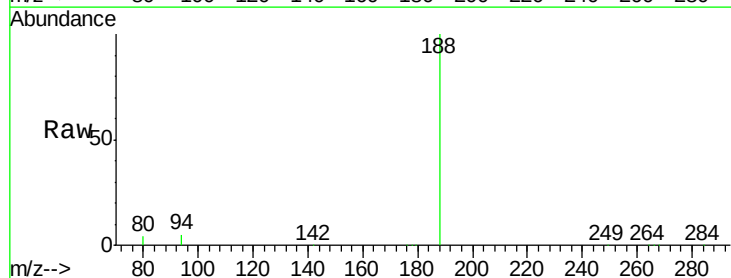
Instrument :
 BNA_E
 ClientSampleId :
 RR-PAH-WPDL

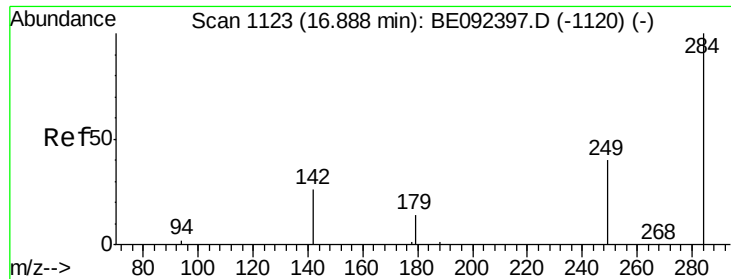
Tgt Ion:166 Resp: 11504
 Ion Ratio Lower Upper
 166 100
 165 98.0 78.2 117.4
 167 13.3 11.0 16.4



#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.58 min Scan# 1154
 Delta R.T. 0.02 min
 Lab File: BE092413.D
 Acq: 23 Sep 2016 13:19

Tgt Ion:188 Resp: 45587
 Ion Ratio Lower Upper
 188 100
 94 4.8 3.2 4.8#
 80 4.3 2.6 3.8#





#19

Hexachlorobenzene

Concen: 0.01 ng

RT: 16.91 min Scan# 1125

Delta R.T. 0.02 min

Lab File: BE092413.D

Acq: 23 Sep 2016 13:19

Instrument :

BNA_E

ClientSampleId :

RR-PAH-WPDL

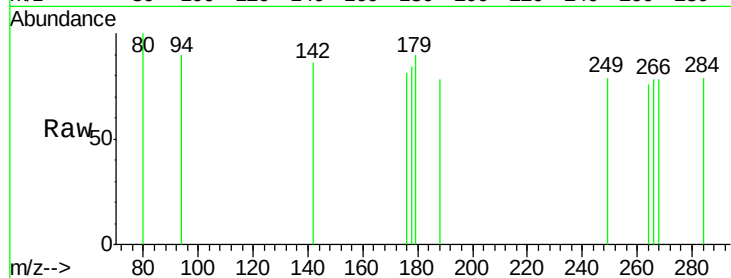
Tgt Ion: 284 Resp: 11

Ion Ratio Lower Upper

284 100

142 0.0 29.1 43.7#

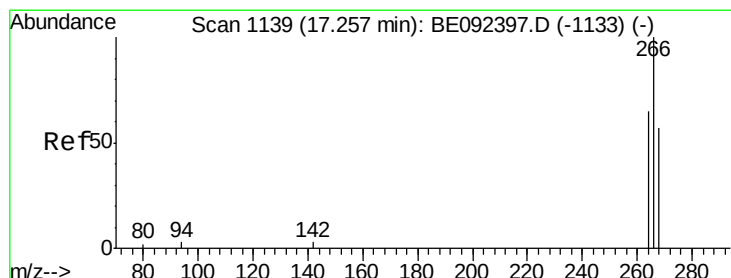
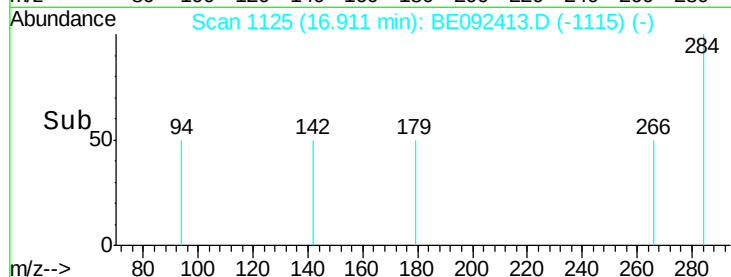
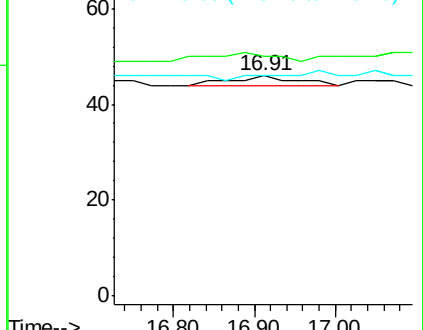
249 0.0 27.9 41.9#



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: 17.28 min Scan# 1141

Delta R.T. 0.02 min

Lab File: BE092413.D

Acq: 23 Sep 2016 13:19

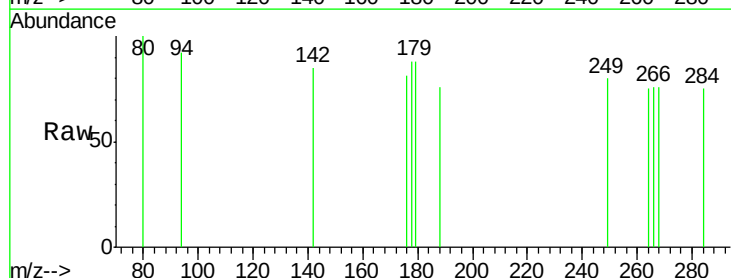
Tgt Ion: 266 Resp: 1

Ion Ratio Lower Upper

266 100

268 100.0 62.5 93.7#

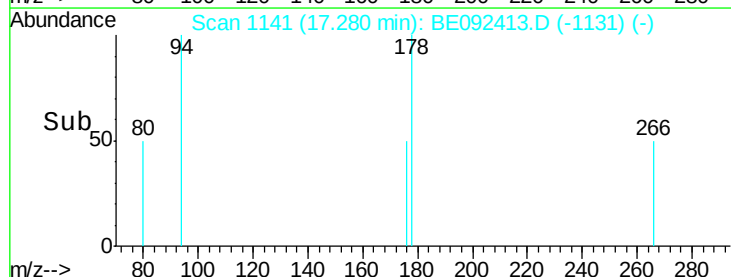
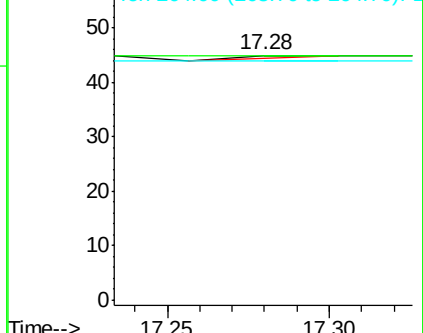
264 97.8 57.2 85.8#

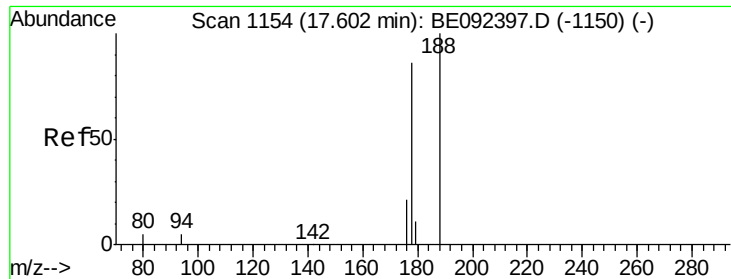


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#21

Phenanthrene

Concen: 0.75 ng

RT: 17.63 min Scan# 1156

Delta R.T. 0.02 min

Lab File: BE092413.D

Acq: 23 Sep 2016 13:19

Instrument :

BNA_E

ClientSampleId :

RR-PAH-WPDL

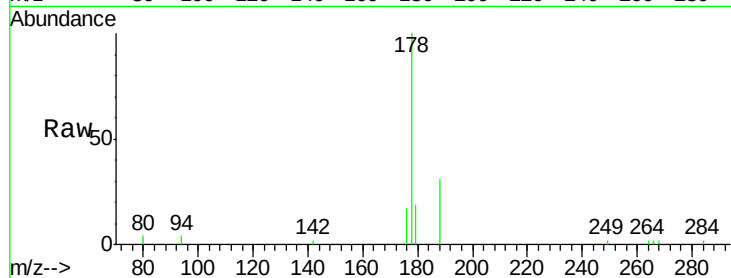
Tgt Ion:178 Resp: 7838

Ion Ratio Lower Upper

178 100

176 0.0 15.8 23.8#

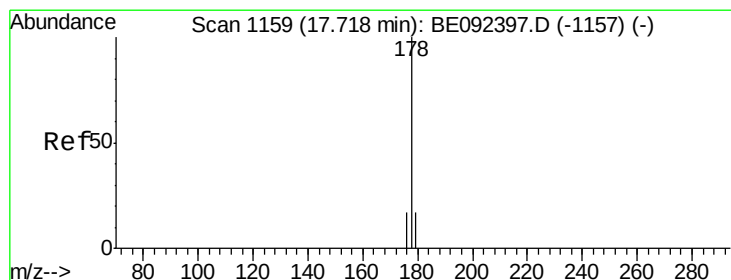
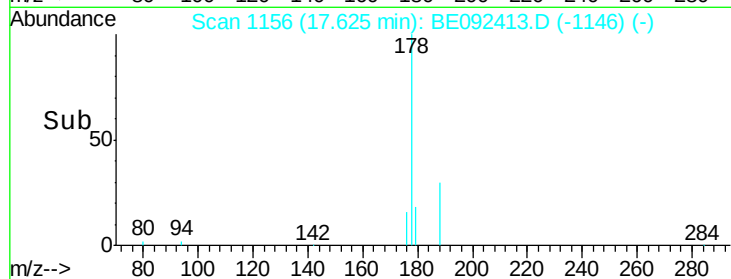
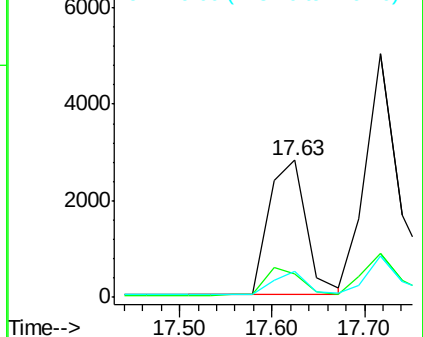
179 15.7 16.0 24.0#



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: 1.23 ng

RT: 17.72 min Scan# 1160

Delta R.T. 0.02 min

Lab File: BE092413.D

Acq: 23 Sep 2016 13:19

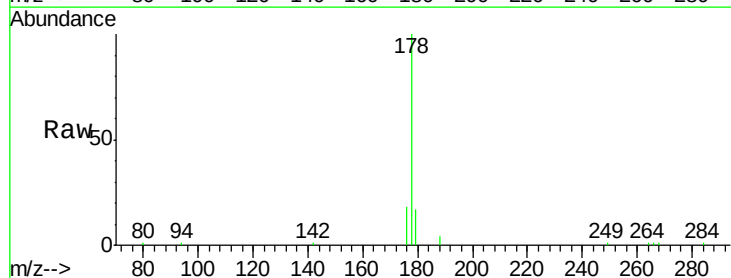
Tgt Ion:178 Resp: 12427

Ion Ratio Lower Upper

178 100

176 18.6 15.0 22.4

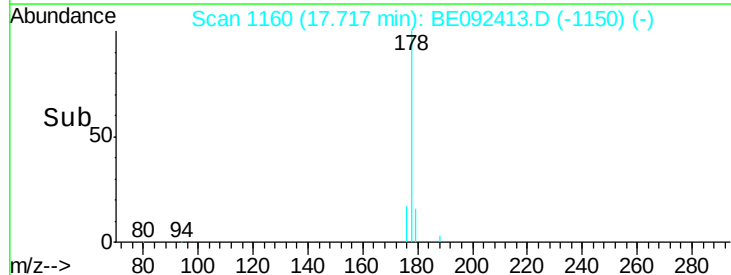
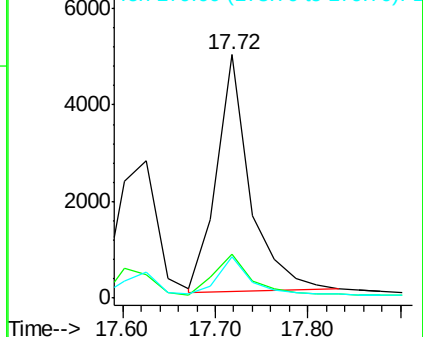
179 15.5 12.2 18.2

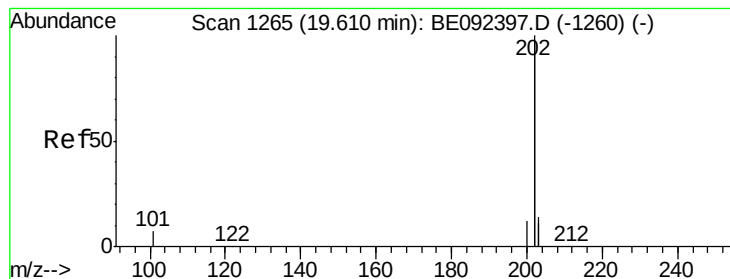


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#23

Fluoranthene

Concen: 0.82 ng

RT: 19.61 min Scan# 1266

Delta R.T. 0.00 min

Lab File: BE092413.D

Acq: 23 Sep 2016 13:19

Instrument :

BNA_E

ClientSampleId :

RR-PAH-WPDL

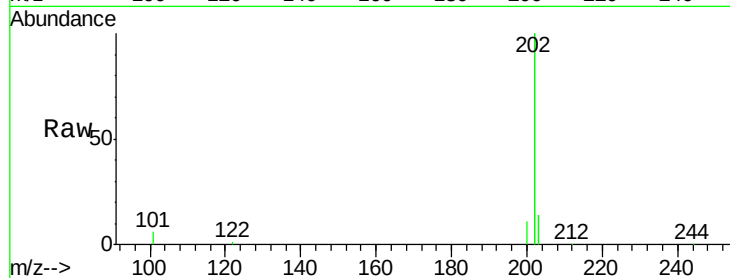
Tgt Ion:202 Resp: 40934

Ion Ratio Lower Upper

202 100

101 2.8 2.2 3.4

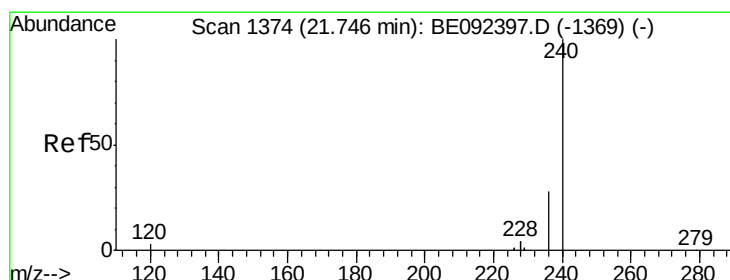
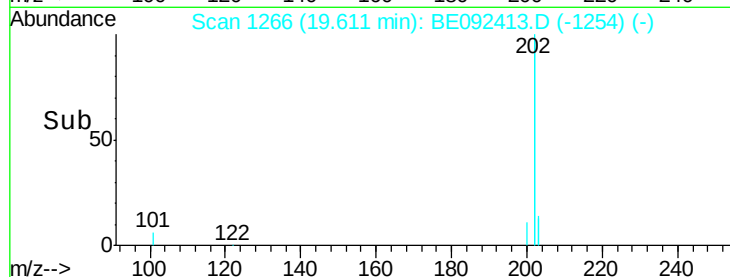
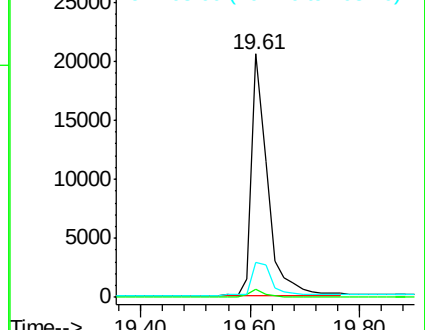
203 17.2 13.7 20.5



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



#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.75 min Scan# 1375

Delta R.T. -0.00 min

Lab File: BE092413.D

Acq: 23 Sep 2016 13:19

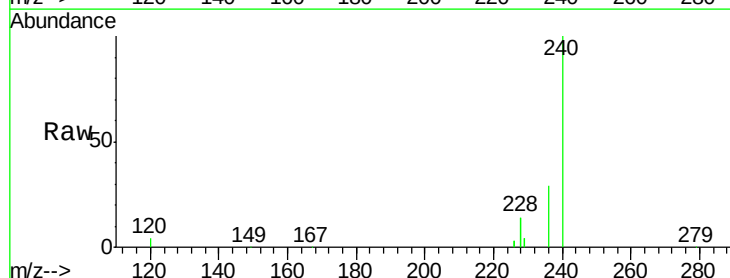
Tgt Ion:240 Resp: 58269

Ion Ratio Lower Upper

240 100

120 4.5 2.6 4.0#

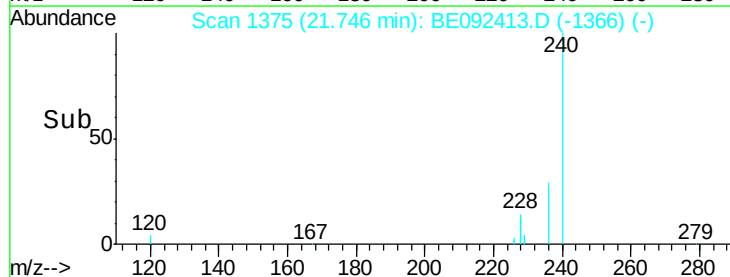
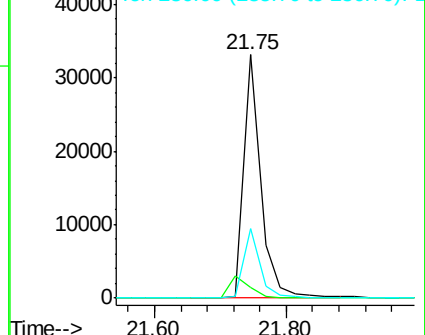
236 28.8 24.6 37.0

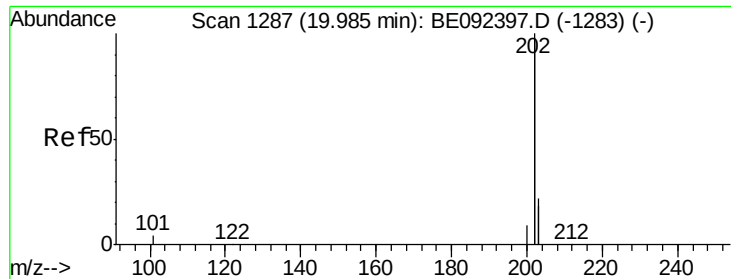


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

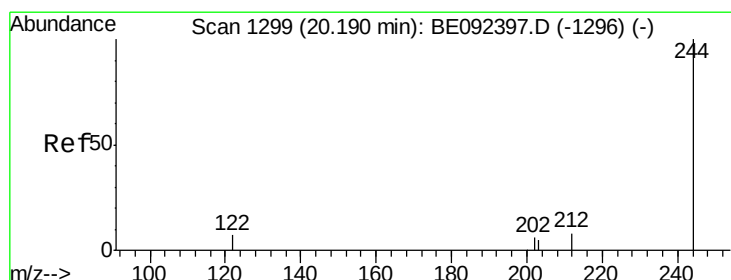
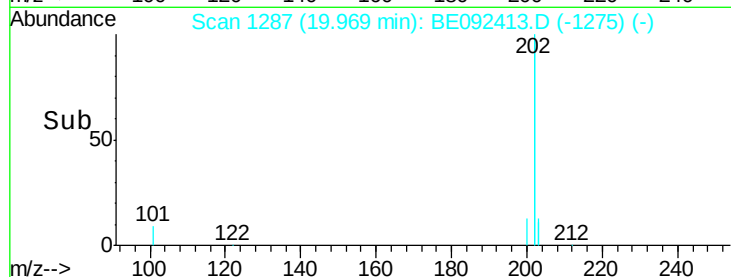
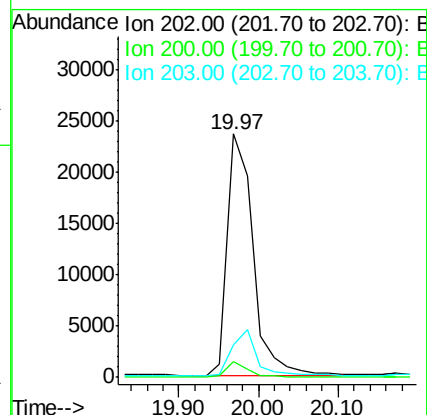
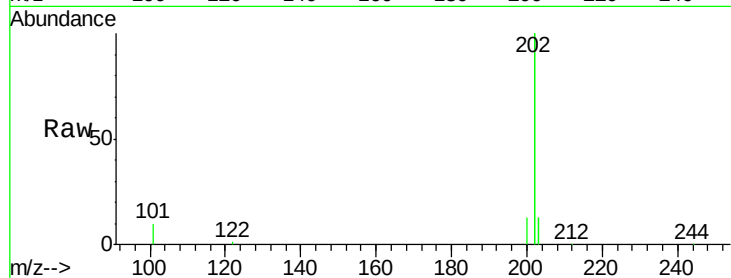




#25
 Pyrene
 Concen: 1.04 ng
 RT: 19.97 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: BE092413.D
 Acq: 23 Sep 2016 13:19

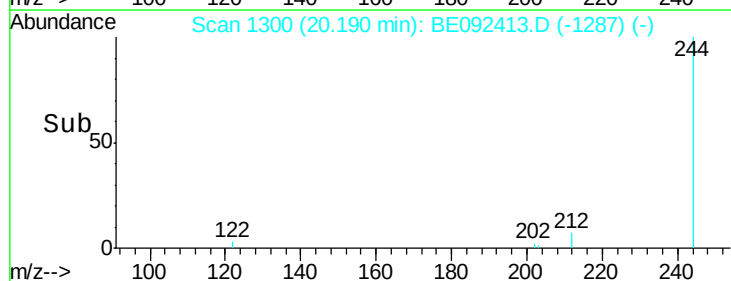
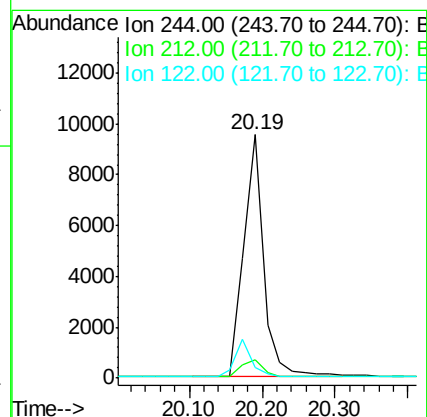
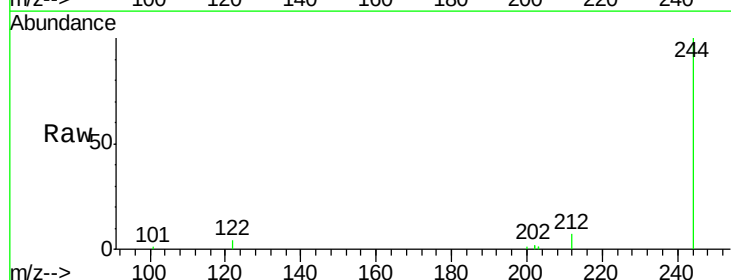
Instrument :
 BNA_E
 ClientSampleId :
 RR-PAH-WPDL

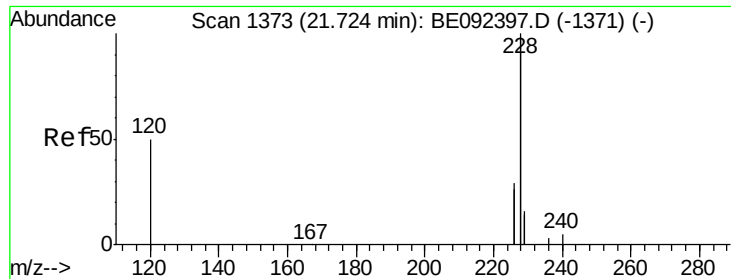
Tgt Ion: 202 Resp: 52297
 Ion Ratio Lower Upper
 202 100
 200 5.4 4.2 6.4
 203 17.9 13.9 20.9



#26
 Terphenyl-d14
 Concen: 2.49 ng
 RT: 20.19 min Scan# 1300
 Delta R.T. 0.02 min
 Lab File: BE092413.D
 Acq: 23 Sep 2016 13:19

Tgt Ion: 244 Resp: 17965
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.7 10.1
 122 4.3 3.6 5.4

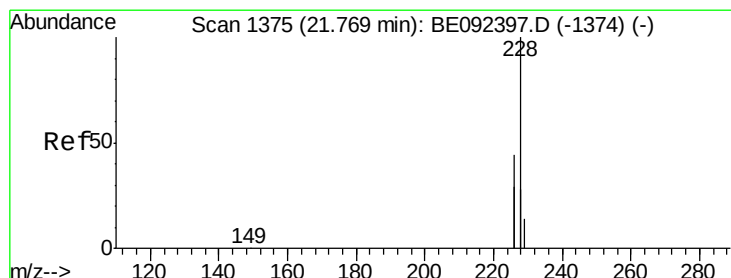
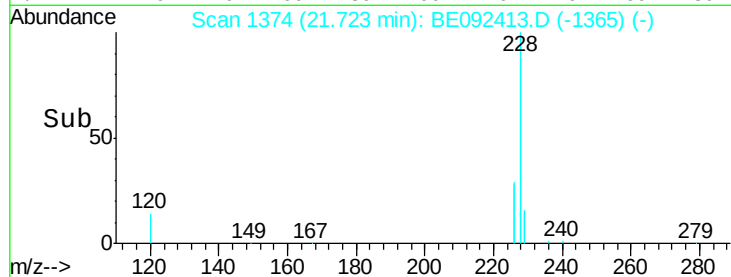
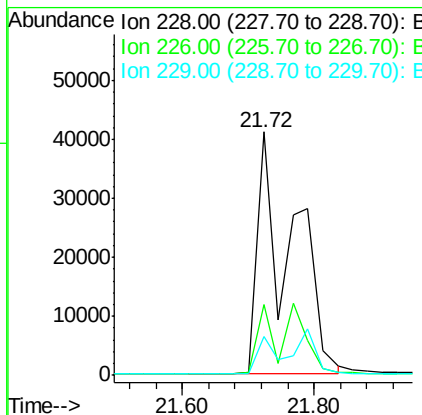
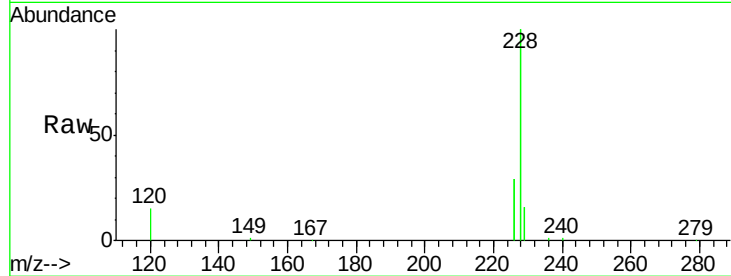




#27
Benzo(a)anthracene
Concen: 2.65 ng
RT: 21.72 min Scan# 1374
Delta R.T. -0.00 min
Lab File: BE092413.D
Acq: 23 Sep 2016 13:19

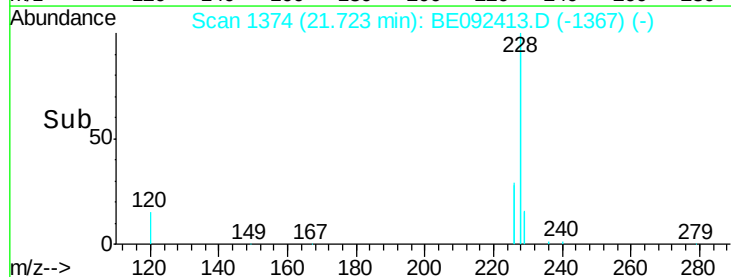
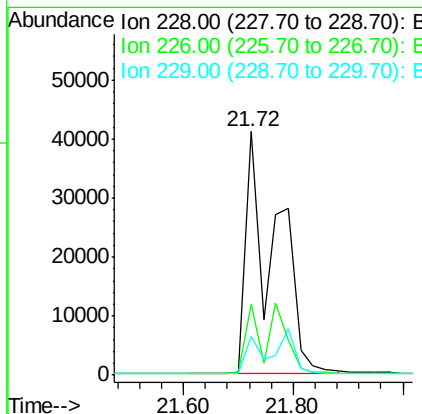
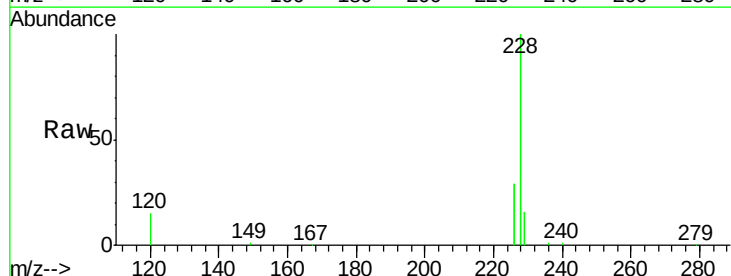
Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

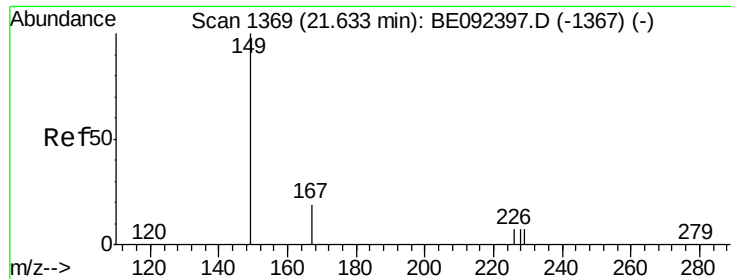
Tgt Ion:228 Resp: 150669
Ion Ratio Lower Upper
228 100
226 29.1 23.6 35.4
229 16.0 13.3 19.9



#28
Chrysene
Concen: 2.93 ng
RT: 21.72 min Scan# 1374
Delta R.T. -0.05 min
Lab File: BE092413.D
Acq: 23 Sep 2016 13:19

Tgt Ion:228 Resp: 152442
Ion Ratio Lower Upper
228 100
226 29.1 36.3 54.5#
229 16.0 10.6 16.0





#29

Bis(2-ethylhexyl)phthalate

Concen: 0.04 ng

RT: 21.54 min Scan# 1366

Delta R.T. -0.09 min

Lab File: BE092413.D

Acq: 23 Sep 2016 13:19

Instrument :

BNA_E

ClientSampleId :

RR-PAH-WPDL

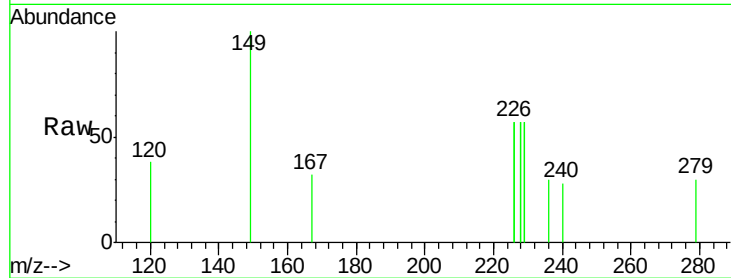
Tgt Ion:149 Resp: 215

Ion Ratio Lower Upper

149 100

167 0.0 16.0 24.0#

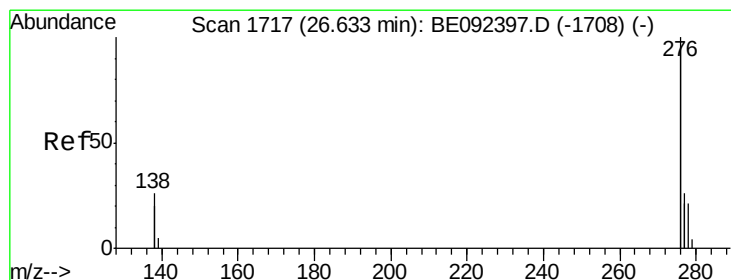
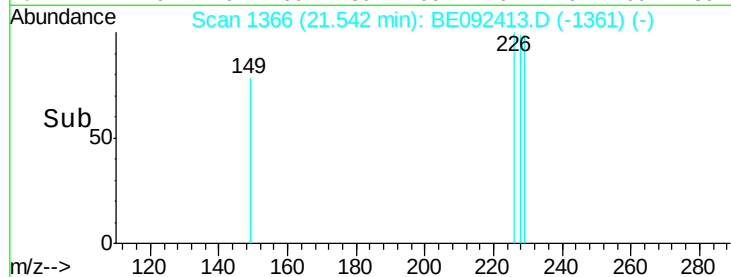
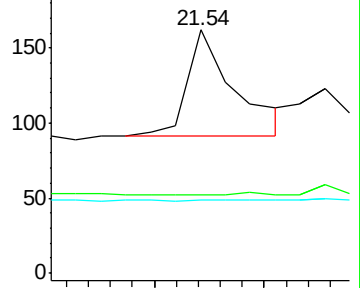
279 1.4 16.0 24.0#



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



#30

Indeno(1,2,3-cd)pyrene

Concen: 1.72 ng

RT: 26.63 min Scan# 1718

Delta R.T. 0.05 min

Lab File: BE092413.D

Acq: 23 Sep 2016 13:19

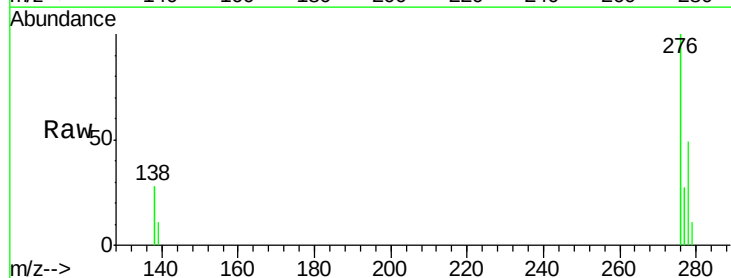
Tgt Ion:276 Resp: 94973

Ion Ratio Lower Upper

276 100

138 28.9 20.3 30.5

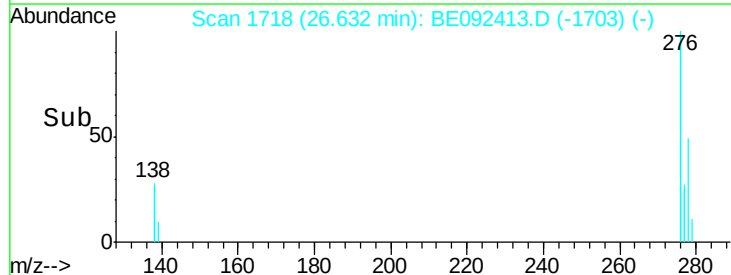
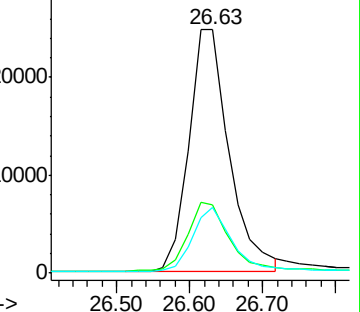
277 25.0 19.7 29.5

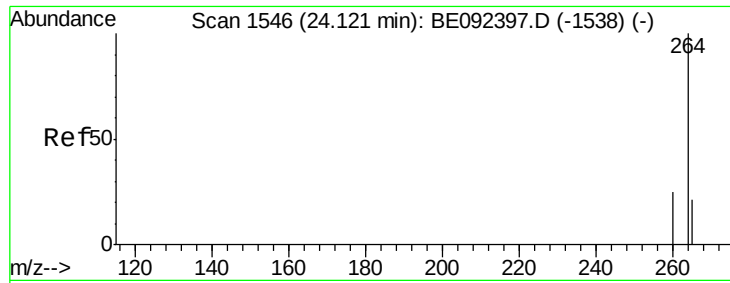


Abundance Ion 276.00 (275.70 to 276.70): E

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: BE092413.D

Acq: 23 Sep 2016 13:19

Instrument :

BNA_E

ClientSampleId :

RR-PAH-WPDL

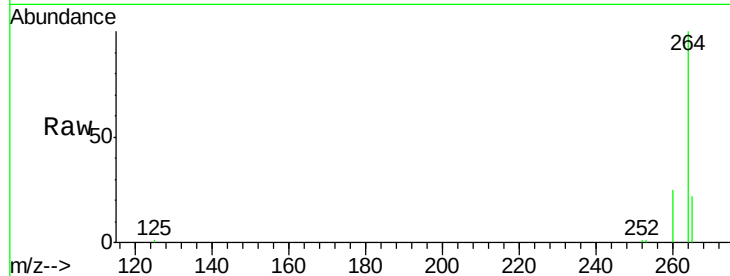
Tgt Ion:264 Resp: 52428

Ion Ratio Lower Upper

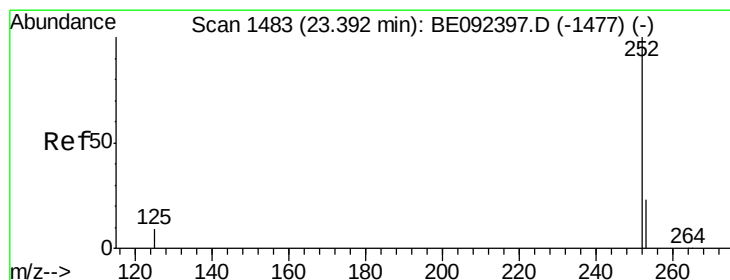
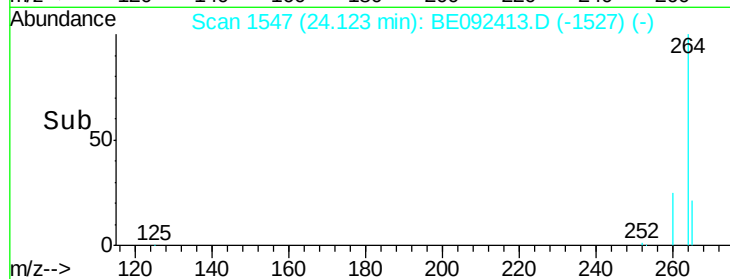
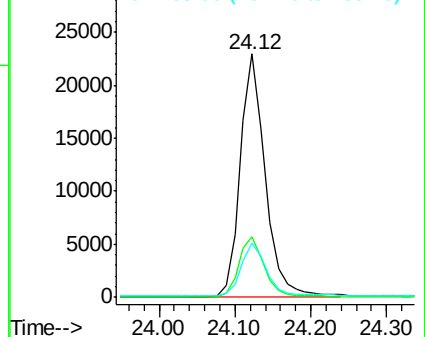
264 100

260 25.1 20.1 30.1

265 22.1 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: 1.32 ng

RT: 23.38 min Scan# 1483

Delta R.T. 0.02 min

Lab File: BE092413.D

Acq: 23 Sep 2016 13:19

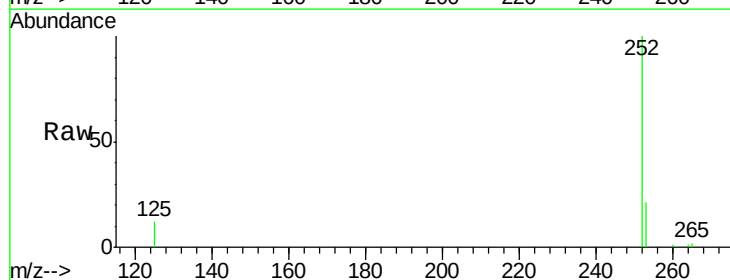
Tgt Ion:252 Resp: 16788

Ion Ratio Lower Upper

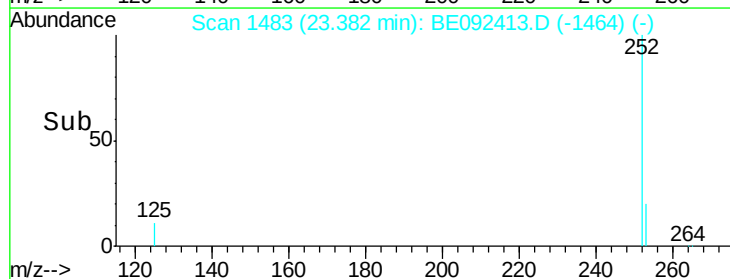
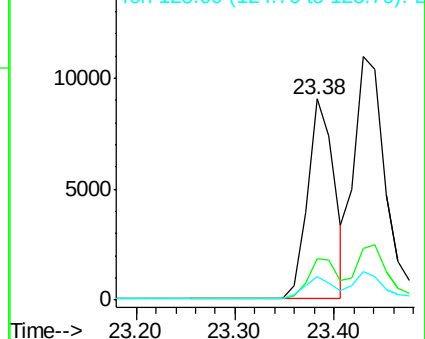
252 100

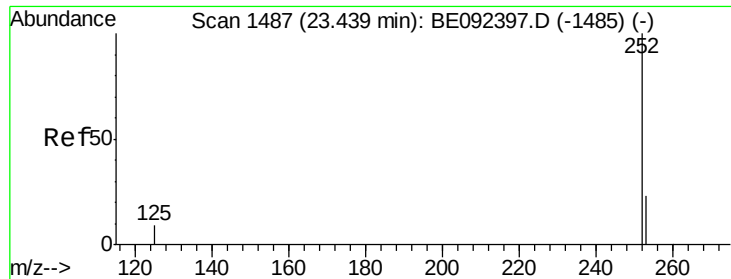
253 20.9 18.7 28.1

125 11.8 10.5 15.7



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





#33

Benzo(k)fluoranthene

Concen: 1.81 ng

RT: 23.43 min Scan# 1487

Delta R.T. 0.02 min

Lab File: BE092413.D

Acq: 23 Sep 2016 13:19

Instrument :

BNA_E

ClientSampleId :

RR-PAH-WPDL

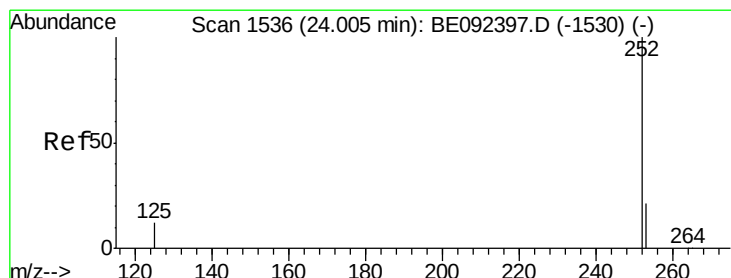
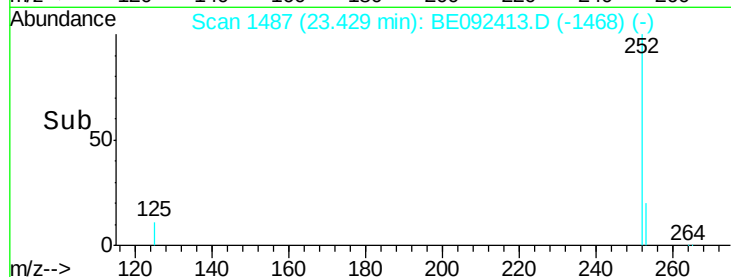
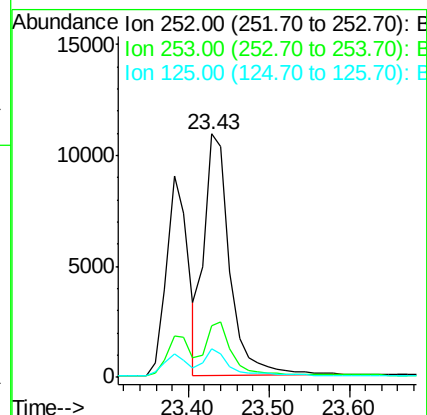
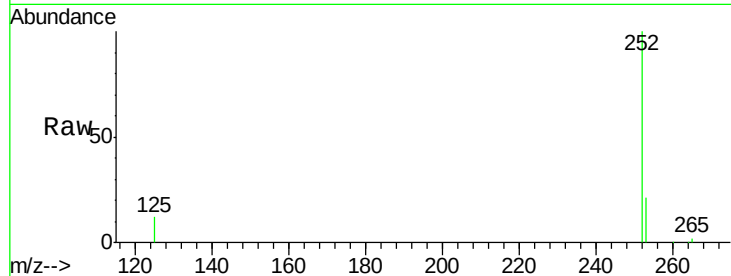
Tgt Ion:252 Resp: 24046

Ion Ratio Lower Upper

252 100

253 21.2 20.3 30.5

125 11.5 9.6 14.4



#34

Benzo(a)pyrene

Concen: 2.20 ng

RT: 24.01 min Scan# 1537

Delta R.T. 0.02 min

Lab File: BE092413.D

Acq: 23 Sep 2016 13:19

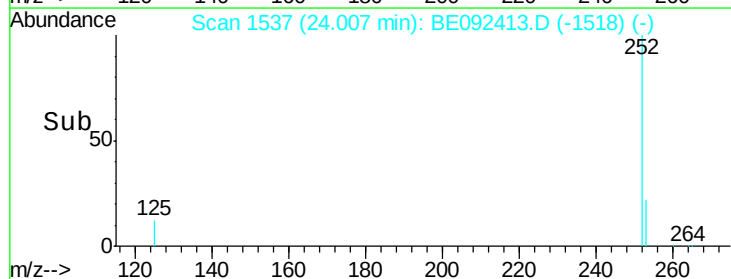
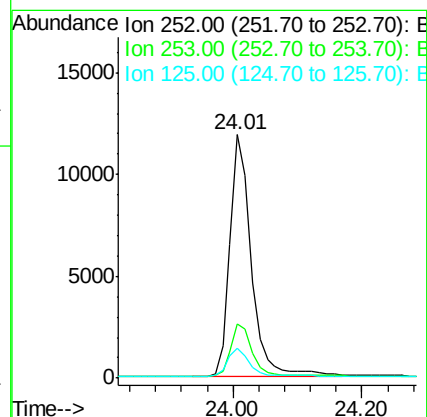
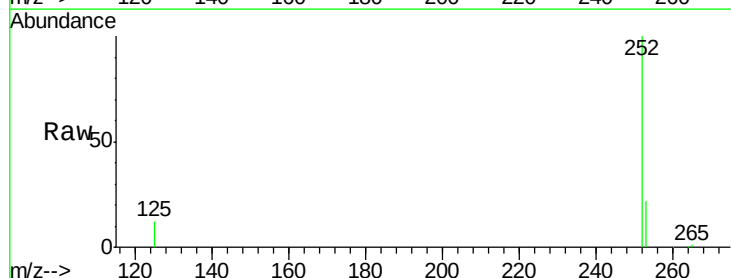
Tgt Ion:252 Resp: 27371

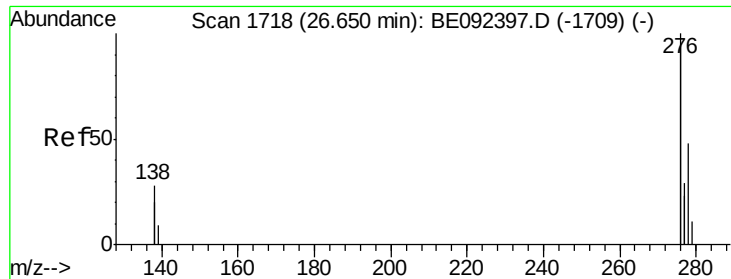
Ion Ratio Lower Upper

252 100

253 22.2 19.0 28.6

125 12.4 11.8 17.8

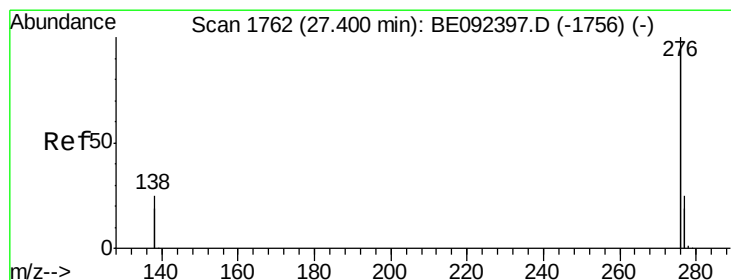
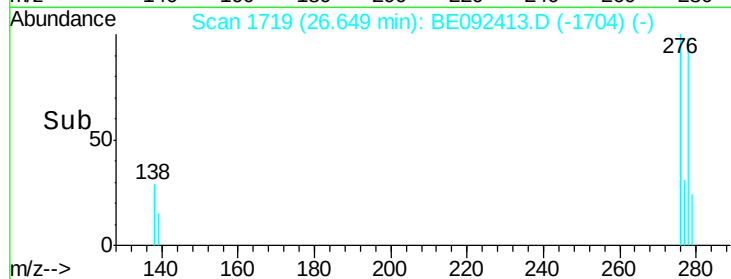
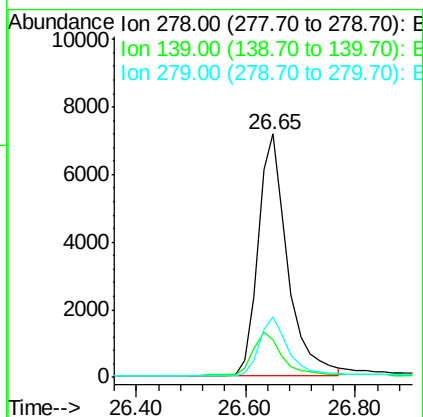
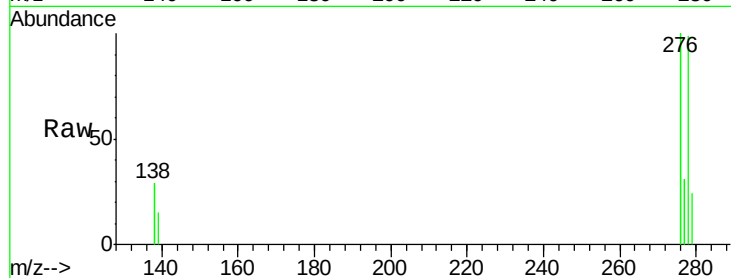




#35
Dibenzo(a,h)anthracene
Concen: 2.33 ng
RT: 26.65 min Scan# 1719
Delta R.T. 0.05 min
Lab File: BE092413.D
Acq: 23 Sep 2016 13:19

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

Tgt Ion: 278 Resp: 26609
Ion Ratio Lower Upper
278 100
139 15.5 13.8 20.8
279 24.6 21.4 32.2



#36
Benzo(g,h,i)perylene
Concen: 1.15 ng
RT: 27.40 min Scan# 1763
Delta R.T. 0.05 min
Lab File: BE092413.D
Acq: 23 Sep 2016 13:19

Tgt Ion: 276 Resp: 56352
Ion Ratio Lower Upper
276 100
277 25.5 19.8 29.8
138 23.8 19.8 29.6

