

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020615\
 Data File : BE089574.D
 Acq On : 8 Feb 2015 1:38
 Operator : TP/IZ
 Sample : DFTPP
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Feb 09 00:25:12 2015
 Quant Method : Z:\HPCHEM1\BNA_E\methods\SIMPAH-BE020615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Feb 07 04:07:57 2015
 Response via : Initial Calibration

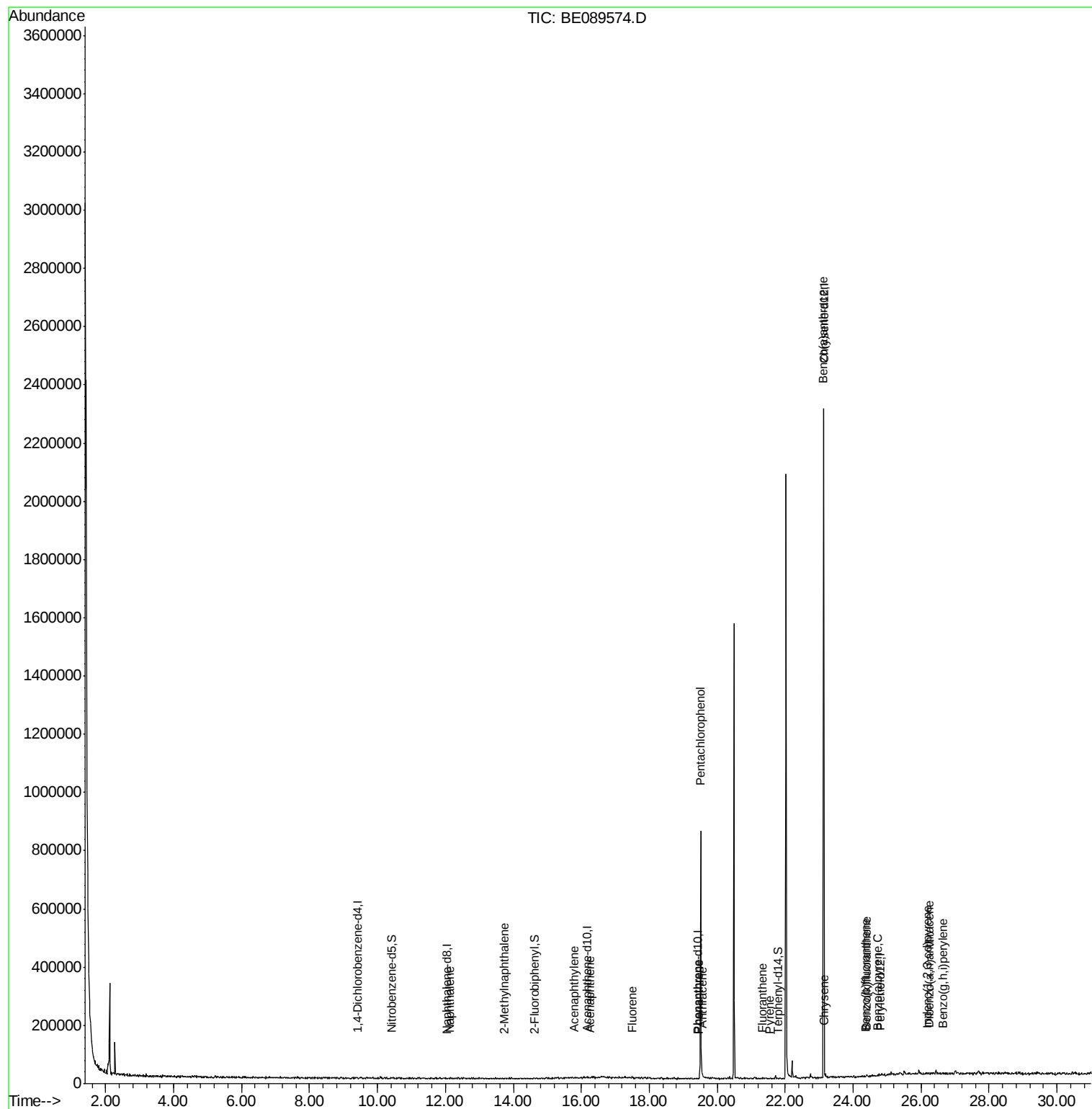
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.42	152	157	5.00	ng	0.00
2) Naphthalene-d8	12.06	136	48	5.00	ng	-0.27
6) Acenaphthene-d10	16.17	164	57	5.00	ng	-0.34
11) Phenanthrene-d10	19.42	188	127	5.00	ng	-0.44
16) Chrysene-d12	23.13	240	6678	5.00	ng	-0.59
22) Perylene-d12	24.80	264	62	5.00	ng	-0.62
System Monitoring Compounds						
3) Nitrobenzene-d5	10.44	82	123	38.59	ng	-0.25
7) 2-Fluorobiphenyl	14.64	172	156	10.26	ng	-0.32
18) Terphenyl-d14	21.81	244	53	0.06	ng	-0.56
Target Compounds						Qvalue
4) Naphthalene	12.12	128	98	9.06	ng	# 28
5) 2-Methylnaphthalene	13.75	142	28	4.56	ng	# 1
8) Acenaphthylene	15.81	152	69	0.72	ng	# 1
9) Acenaphthene	16.25	154	61	4.01	ng	# 1
10) Fluorene	17.51	166	30	1.86	ng	# 1
12) Pentachlorophenol	19.51	266	96854	1093.62	ng	88
13) Phenanthrene	19.46	178	10	0.32	ng	# 1
14) Anthracene	19.56	178	146	5.49	ng	# 1
15) Fluoranthene	21.31	202	41	1.40	ng	# 1
17) Pyrene	21.55	202	76	0.05	ng	# 1
19) Benzo(a)anthracene	23.12	228	278	0.05	ng	# 89
20) Chrysene	23.16	228	83	0.01	ng	# 55
21) Indeno(1,2,3-cd)pyrene	26.18	276	41	0.00	ng	# 1
23) Benzo(b)fluoranthene	24.37	252	46	3.82	ng	# 66
24) Benzo(k)fluoranthene	24.41	252	78	5.21	ng	# 52
25) Benzo(a)pyrene	24.72	252	194	16.20	ng	# 63
26) Dibenzo(a,h)anthracene	26.24	278	96	6.53	ng	# 62
27) Benzo(g,h,i)perylene	26.64	276	156	2.60	ng	# 52

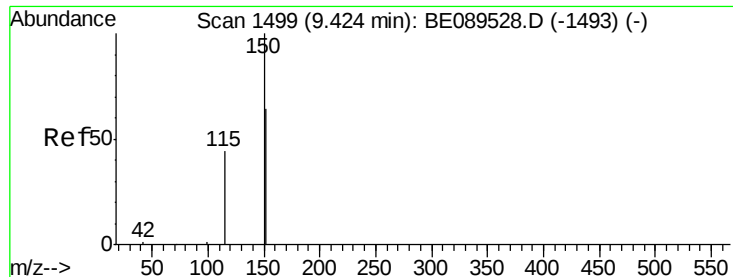
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.42 min Scan# 1366

Delta R.T. -0.01 min

Lab File: BE089574.D

Acq: 8 Feb 2015 1:38

Instrument :

BNA_E

ClientSampled :

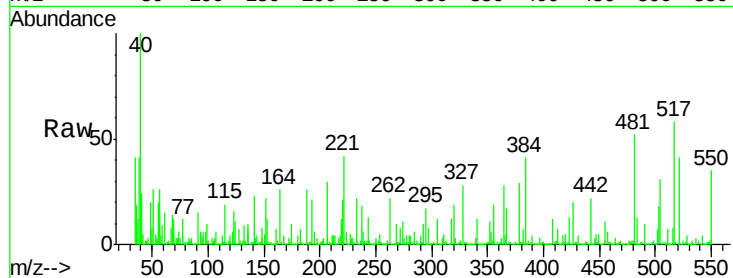
Tgt Ion:152 Resp: 157

Ion Ratio Lower Upper

152 100

150 21.1 125.7 188.5#

115 85.6 55.6 83.4#

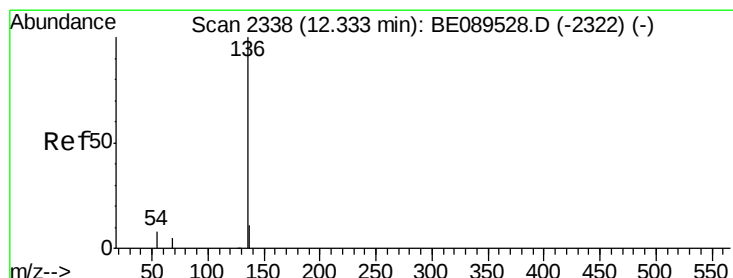
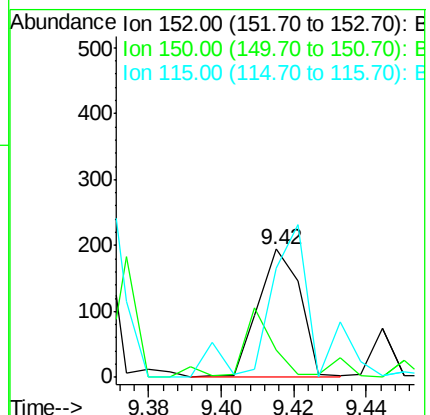
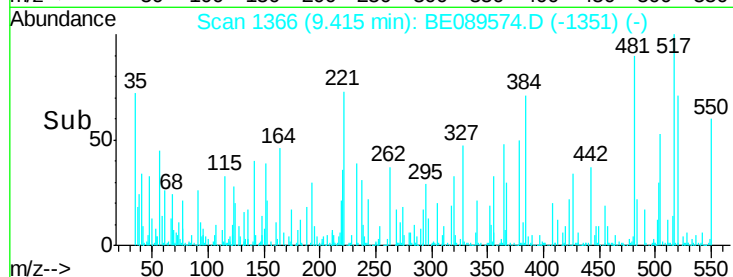


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

Time-->



#2

Naphthalene-d8

Concen: 5.00 ng

RT: 12.06 min Scan# 1817

Delta R.T. -0.27 min

Lab File: BE089574.D

Acq: 8 Feb 2015 1:38

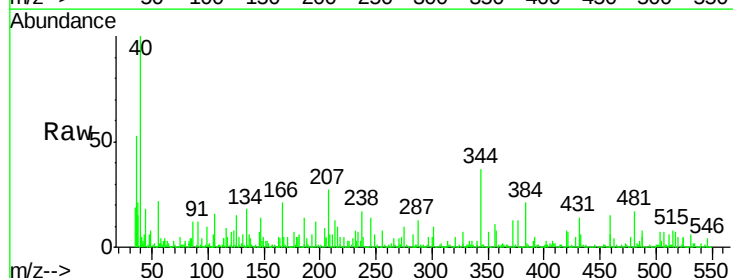
Tgt Ion:136 Resp: 48

Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 7.7 6.1 9.1

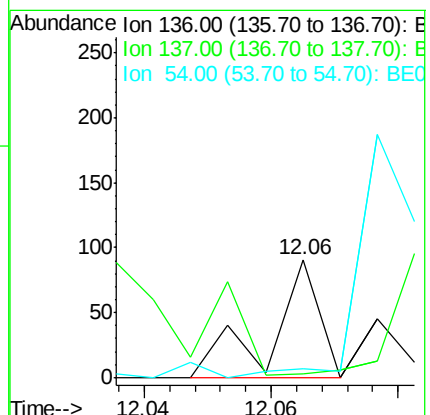
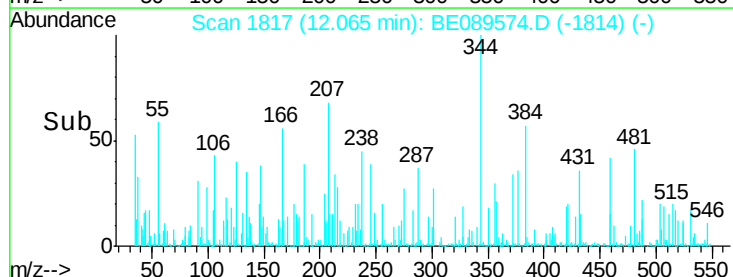


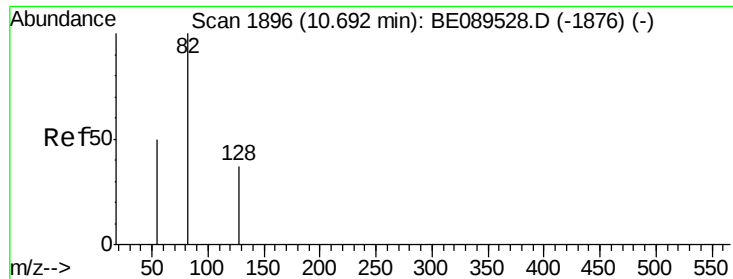
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Time-->





#3

Nitrobenzene-d5

Concen: 38.59 ng

RT: 10.44 min Scan# 1540

Delta R.T. -0.25 min

Lab File: BE089574.D

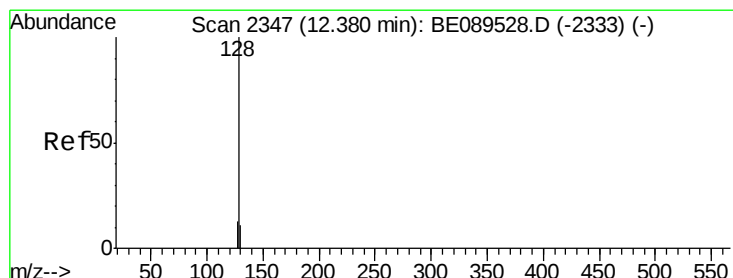
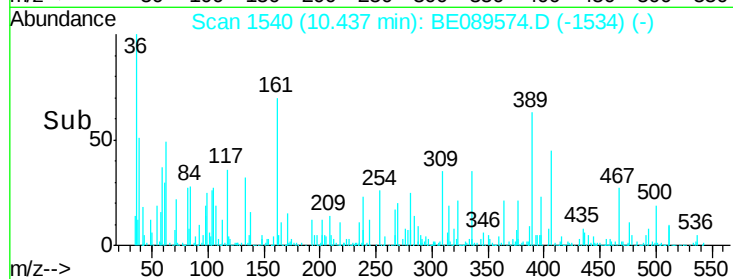
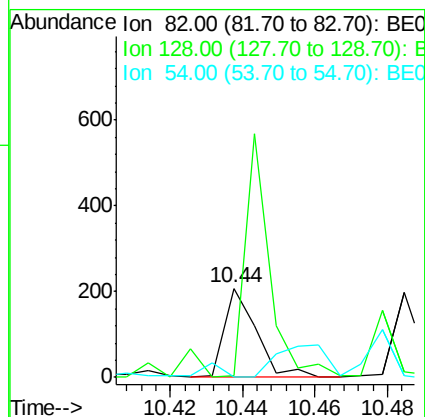
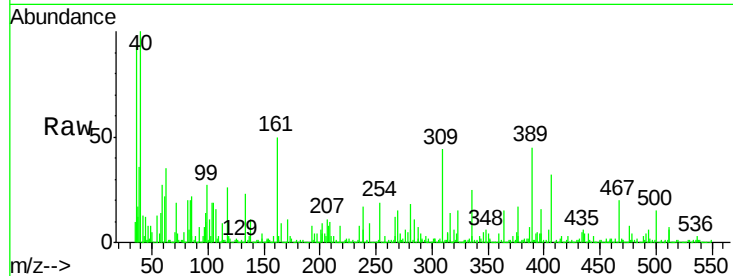
Acq: 8 Feb 2015 1:38

Instrument :

BNA_E

ClientSampleId :

Tgt Ion:	82	Resp:	123
Ion Ratio	Lower	Upper	
82	100		
128	1.9	30.2	45.4#
54	1.0	40.6	60.8#



#4

Naphthalene

Concen: 9.06 ng

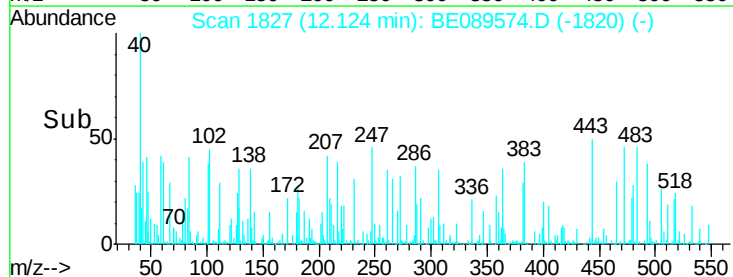
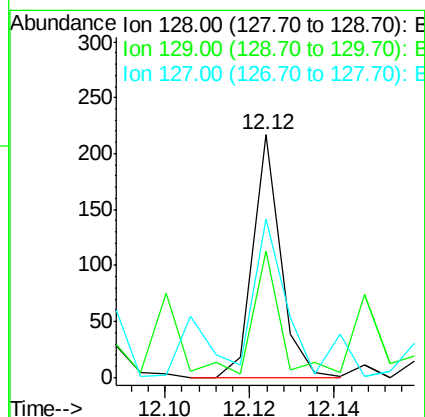
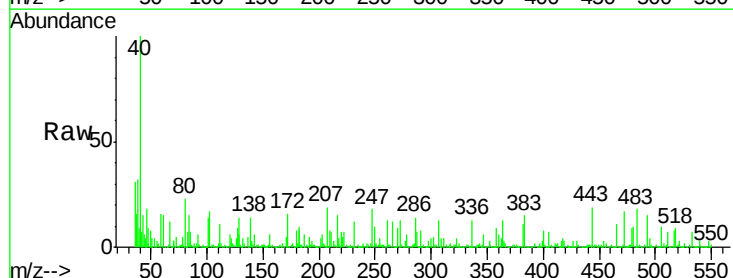
RT: 12.12 min Scan# 1827

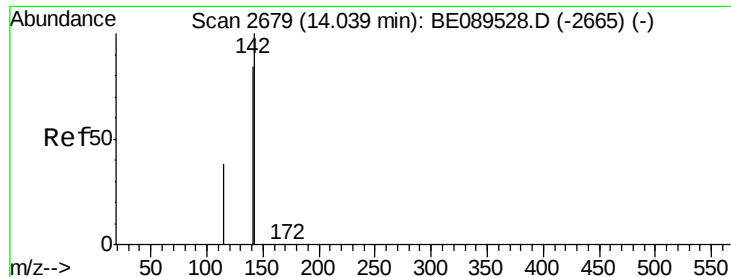
Delta R.T. -0.26 min

Lab File: BE089574.D

Acq: 8 Feb 2015 1:38

Tgt Ion:	128	Resp:	98
Ion Ratio	Lower	Upper	
128	100		
129	35.8	9.1	13.7#
127	44.9	10.5	15.7#





#5

2-Methylnaphthalene

Concen: 4.56 ng

RT: 13.75 min Scan# 2103

Delta R.T. -0.29 min

Lab File: BE089574.D

Acq: 8 Feb 2015 1:38

Instrument :

BNA_E

ClientSampleID :

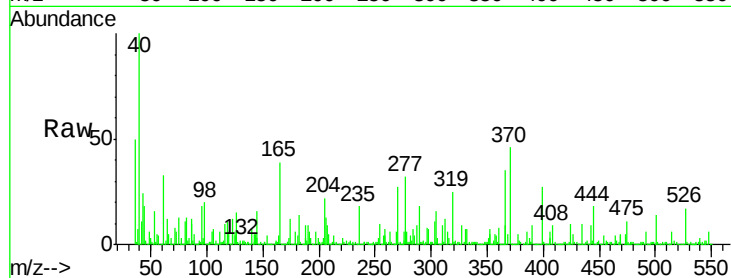
Tgt Ion:142 Resp: 28

Ion Ratio Lower Upper

142 100

141 7.7 67.0 100.6#

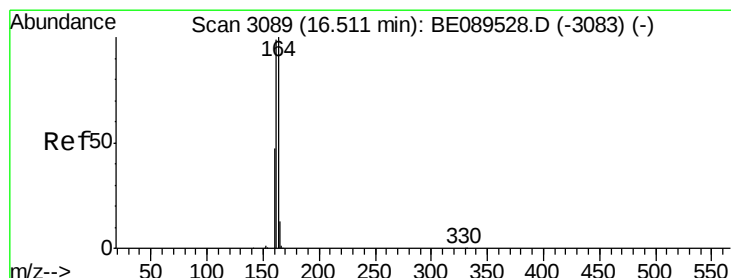
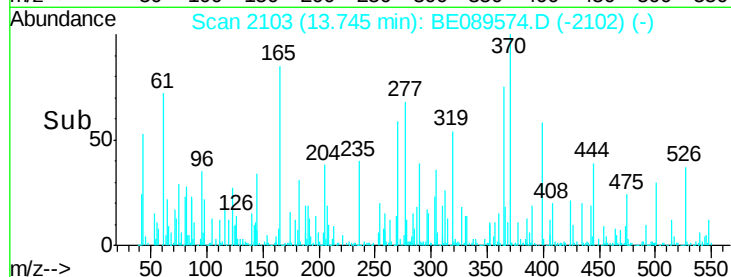
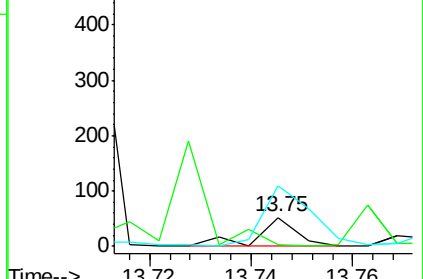
115 211.5 30.6 45.8#



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



#6

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.17 min Scan# 2516

Delta R.T. -0.34 min

Lab File: BE089574.D

Acq: 8 Feb 2015 1:38

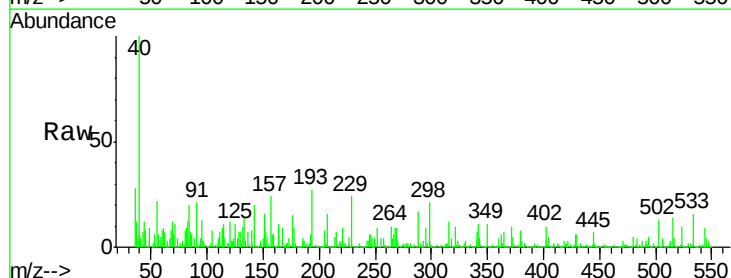
Tgt Ion:164 Resp: 57

Ion Ratio Lower Upper

164 100

162 3.7 79.5 119.3#

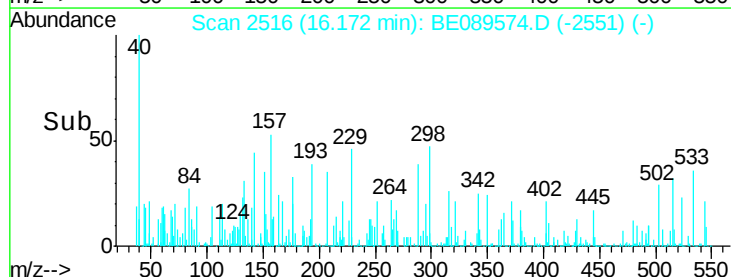
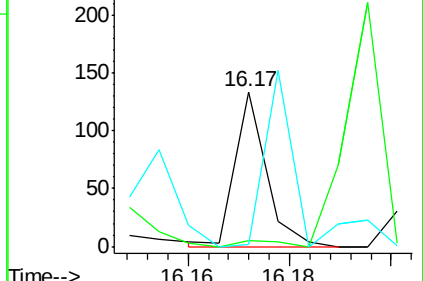
160 1.5 37.6 56.4#

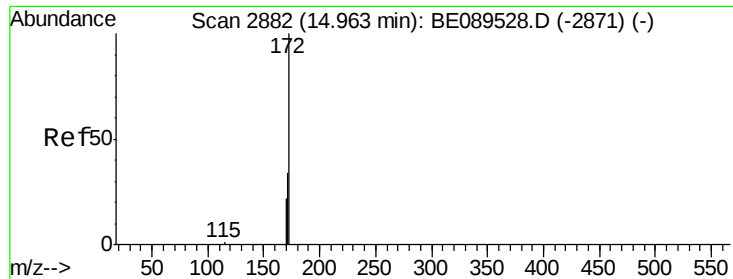


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#7

2-Fluorobiphenyl

Concen: 10.26 ng

RT: 14.64 min Scan# 2255

Delta R.T. -0.32 min

Lab File: BE089574.D

Acq: 8 Feb 2015 1:38

Instrument :

BNA_E

ClientSampleId :

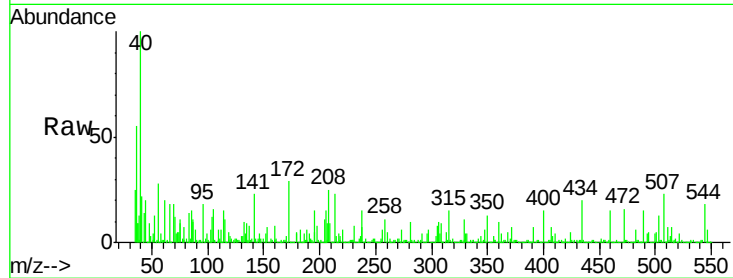
Tgt Ion:172 Resp: 156

Ion Ratio Lower Upper

172 100

171 1.0 27.7 41.5#

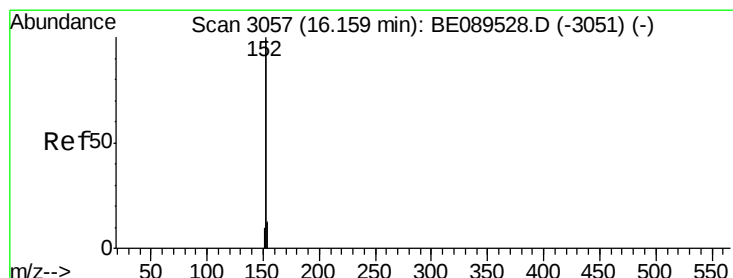
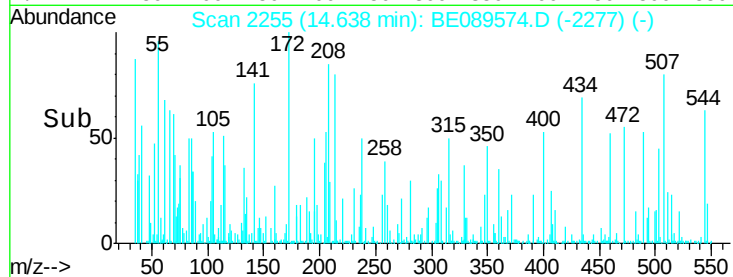
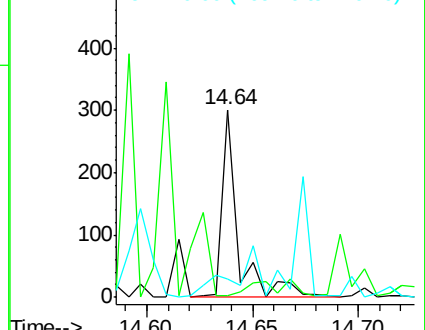
170 9.6 18.3 27.5#



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



#8

Acenaphthylene

Concen: 0.72 ng

RT: 15.81 min Scan# 2454

Delta R.T. -0.35 min

Lab File: BE089574.D

Acq: 8 Feb 2015 1:38

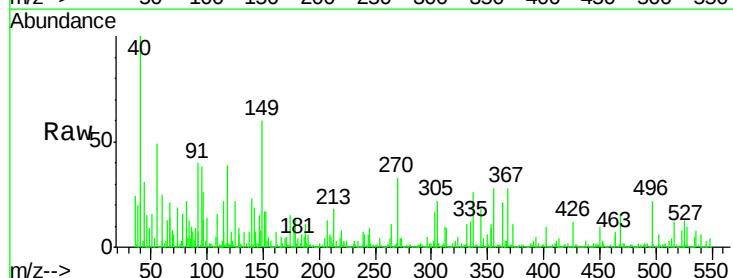
Tgt Ion:152 Resp: 69

Ion Ratio Lower Upper

152 100

151 131.9 4.0 6.0#

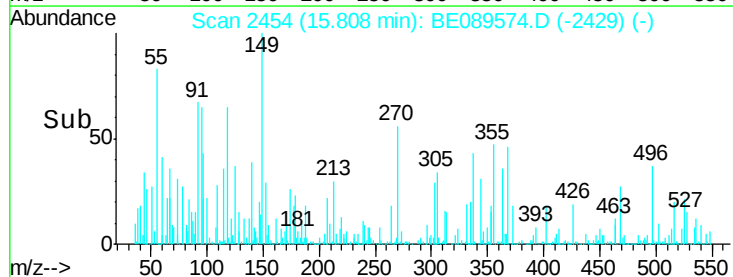
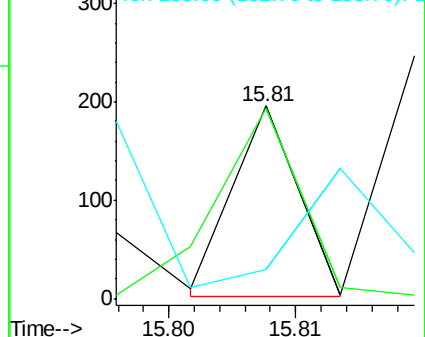
153 201.4 10.6 15.8#

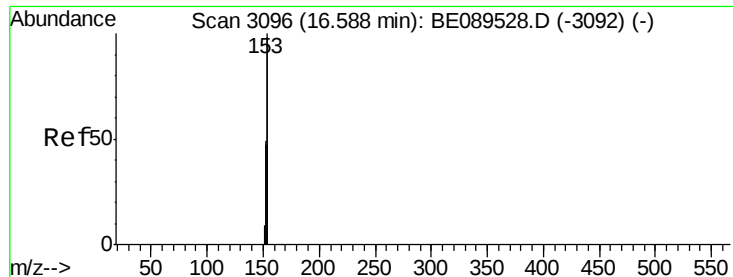


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 4.01 ng

RT: 16.25 min Scan# 2530

Delta R.T. -0.33 min

Lab File: BE089574.D

Acq: 8 Feb 2015 1:38

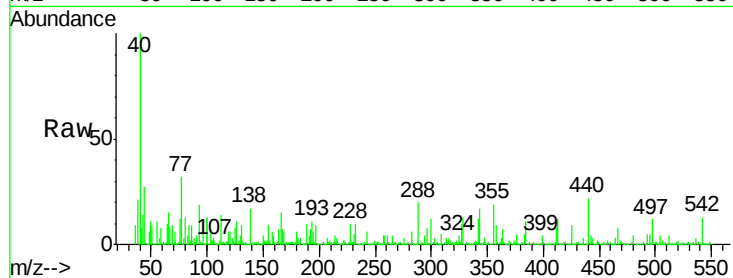
Instrument :

BNA_E

ClientSampled :

Tgt Ion:154 Resp: 61

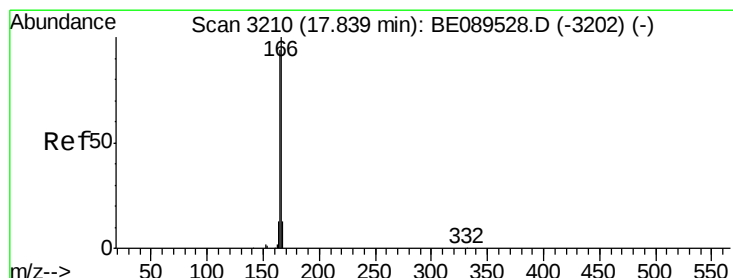
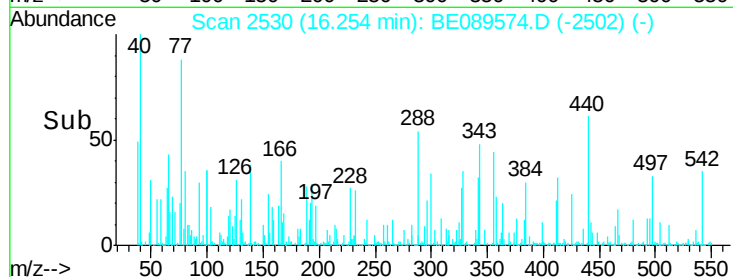
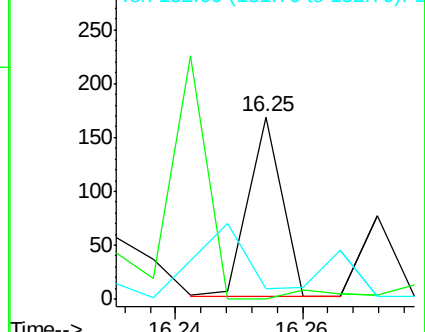
Ion	Ratio	Lower	Upper
154	100		
153	131.1	340.8	511.2#
152	72.1	165.5	248.3#



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



#10

Fluorene

Concen: 1.86 ng

RT: 17.51 min Scan# 2743

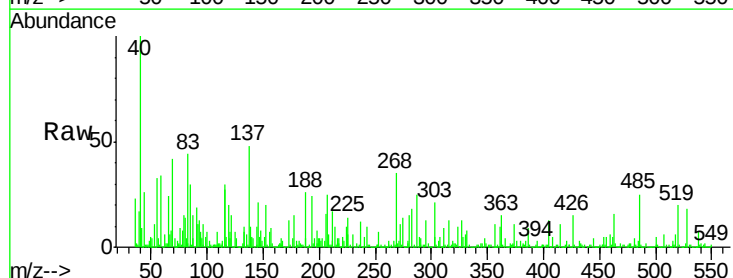
Delta R.T. -0.33 min

Lab File: BE089574.D

Acq: 8 Feb 2015 1:38

Tgt Ion:166 Resp: 30

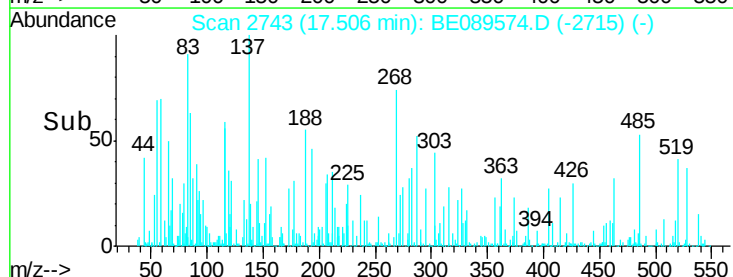
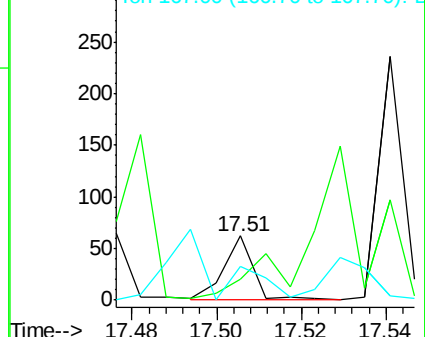
Ion	Ratio	Lower	Upper
166	100		
165	0.0	75.5	113.3#
167	170.0	10.9	16.3#

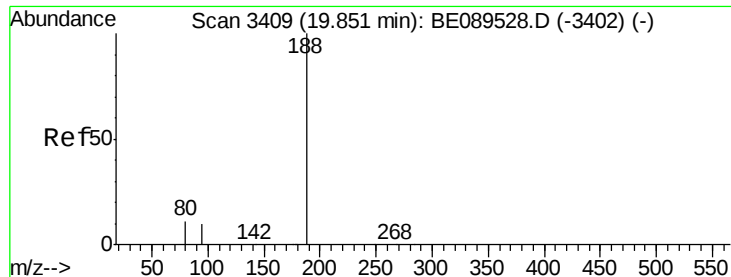


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

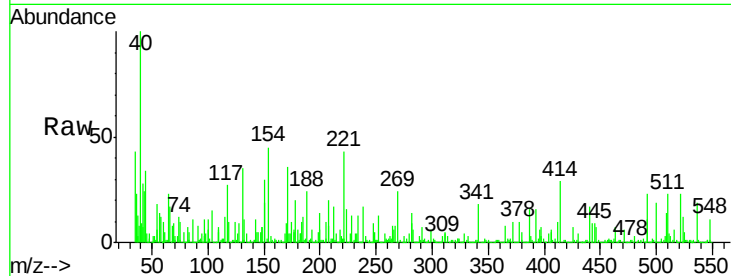




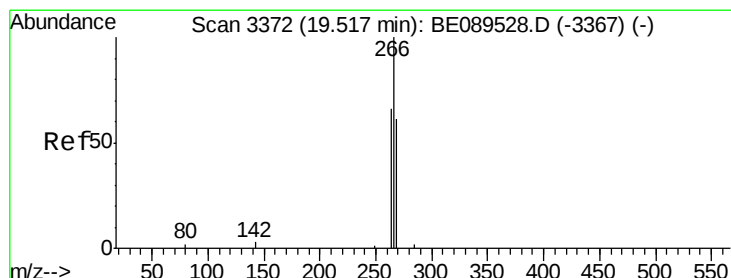
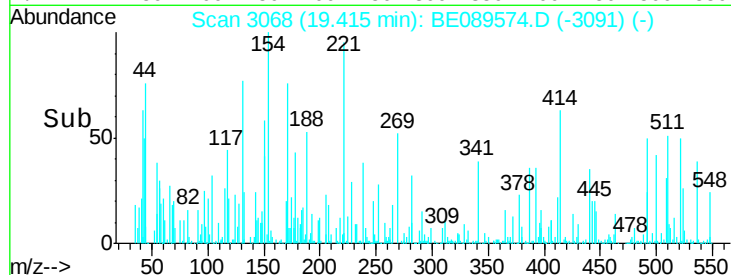
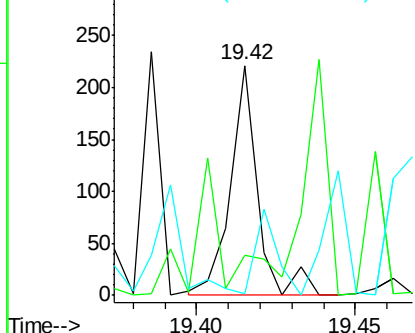
#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.42 min Scan# 3068
Delta R.T. -0.44 min
Lab File: BE089574.D
Acq: 8 Feb 2015 1:38

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:188 Resp: 127
Ion Ratio Lower Upper
188 100
94 19.0 8.4 12.6#
80 0.9 8.6 12.8#

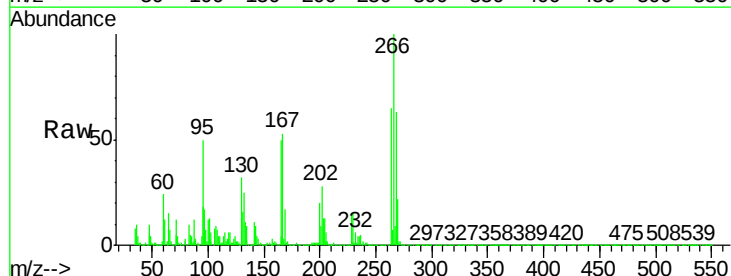


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

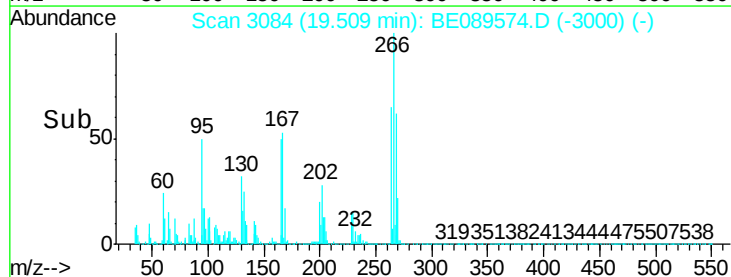
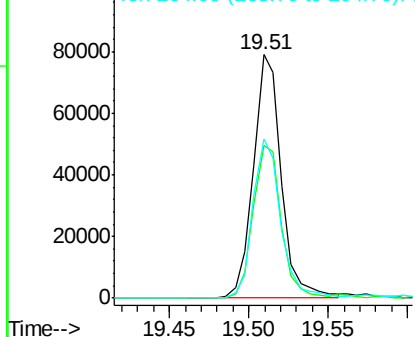


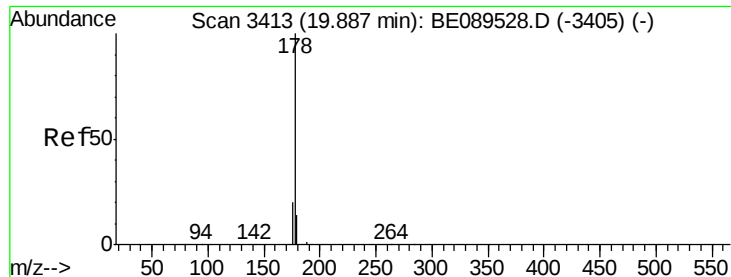
#12
Pentachlorophenol
Concen: 1093.62 ng
RT: 19.51 min Scan# 3084
Delta R.T. -0.01 min
Lab File: BE089574.D
Acq: 8 Feb 2015 1:38

Tgt Ion:266 Resp: 96854
Ion Ratio Lower Upper
266 100
268 62.5 57.9 86.9
264 65.4 60.2 90.4



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





#13

Phenanthrene

Concen: 0.32 ng

RT: 19.46 min Scan# 3076

Delta R.T. -0.42 min

Lab File: BE089574.D

Acq: 8 Feb 2015 1:38

Instrument :

BNA_E

ClientSampled :

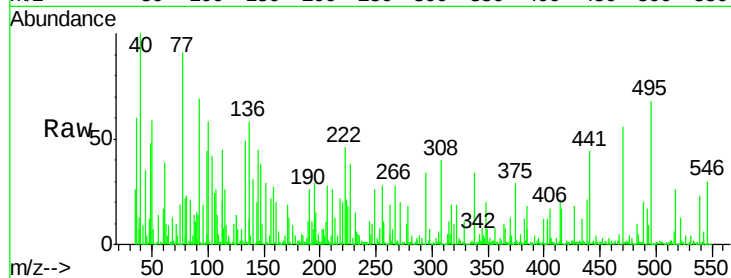
Tgt Ion:178 Resp: 10

Ion Ratio Lower Upper

178 100

176 330.0 15.4 23.0#

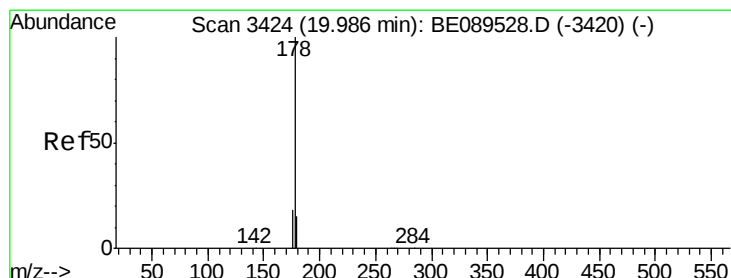
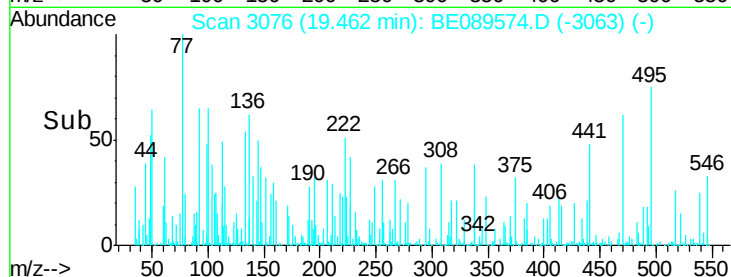
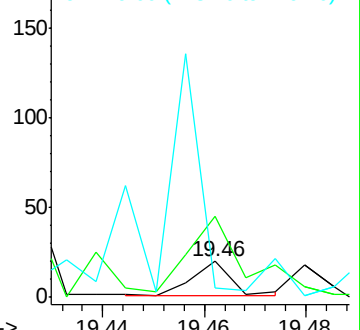
179 820.0 12.2 18.2#



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



#14

Anthracene

Concen: 5.49 ng

RT: 19.56 min Scan# 3092

Delta R.T. -0.43 min

Lab File: BE089574.D

Acq: 8 Feb 2015 1:38

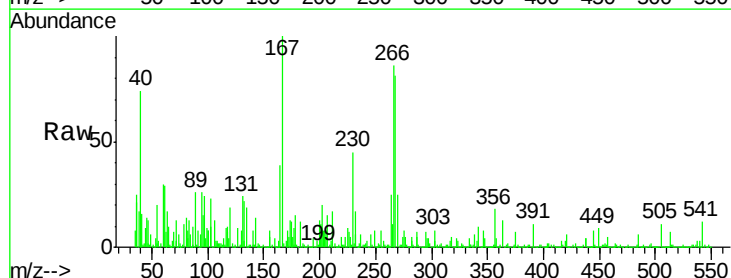
Tgt Ion:178 Resp: 146

Ion Ratio Lower Upper

178 100

176 134.2 14.5 21.7#

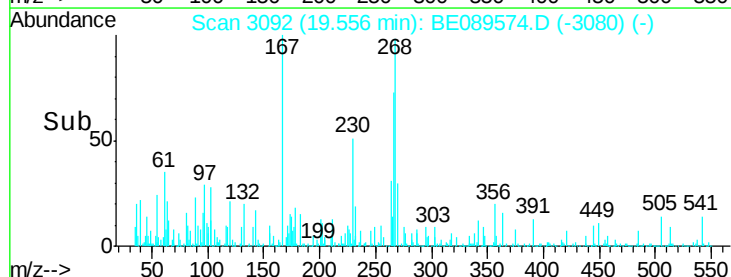
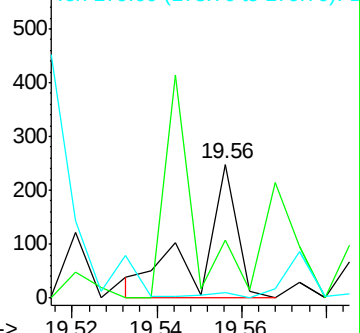
179 0.0 12.2 18.2#

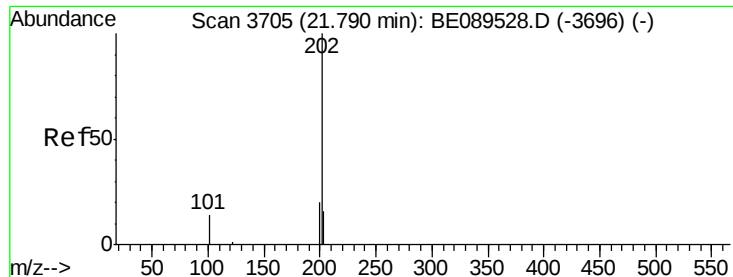


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 1.40 ng

RT: 21.31 min Scan# 3391

Delta R.T. -0.48 min

Lab File: BE089574.D

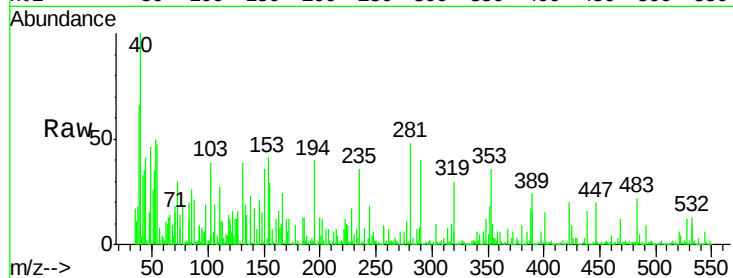
Acq: 8 Feb 2015 1:38

Instrument :

BNA_E

ClientSampled :

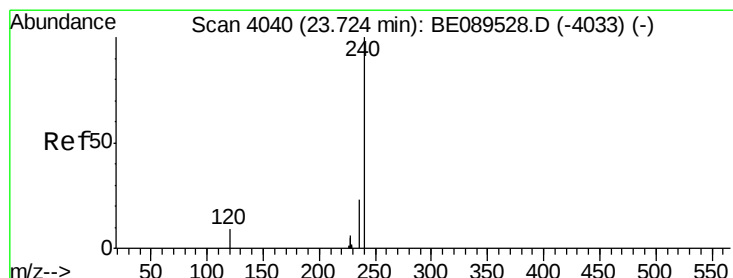
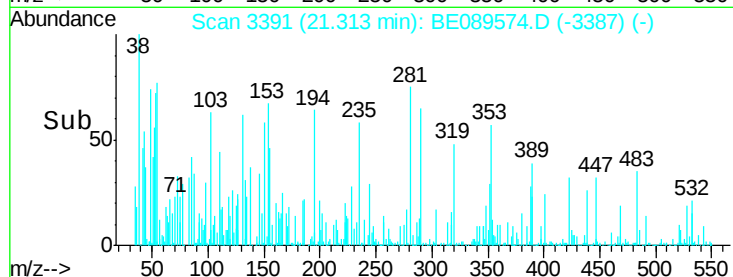
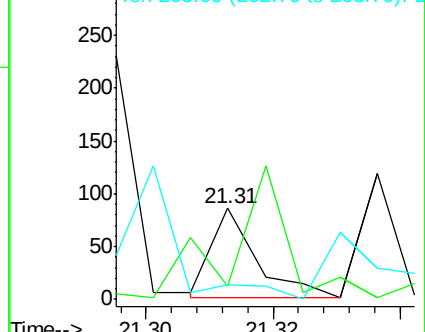
Tgt Ion:	202	Resp:	41
Ion Ratio	Lower	Upper	
202	100		
101	187.8	11.6	17.4#
203	100.0	13.6	20.4#



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



#16

Chrysene-d12

Concen: 5.00 ng

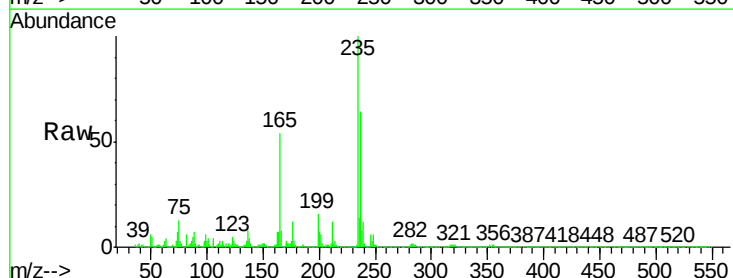
RT: 23.13 min Scan# 3701

Delta R.T. -0.59 min

Lab File: BE089574.D

Acq: 8 Feb 2015 1:38

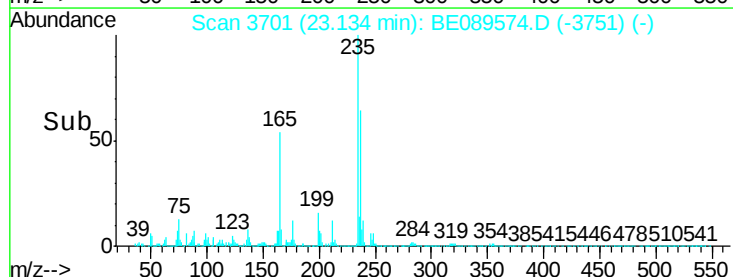
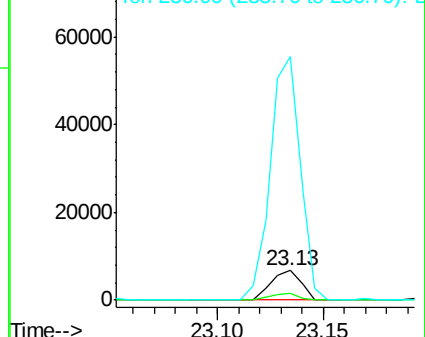
Tgt Ion:	240	Resp:	6678
Ion Ratio	Lower	Upper	
240	100		
120	23.3	7.2	10.8#
236	821.2	18.5	27.7#

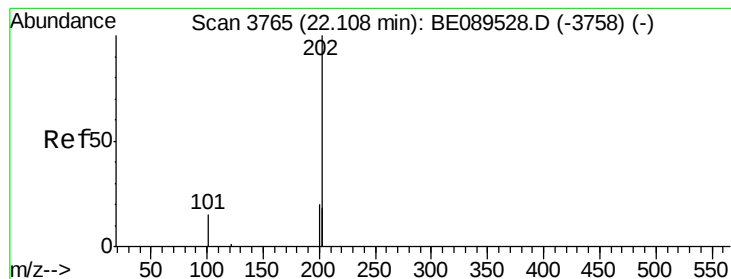


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#17

Pyrene

Concen: 0.05 ng

RT: 21.55 min Scan# 3431

Delta R.T. -0.56 min

Lab File: BE089574.D

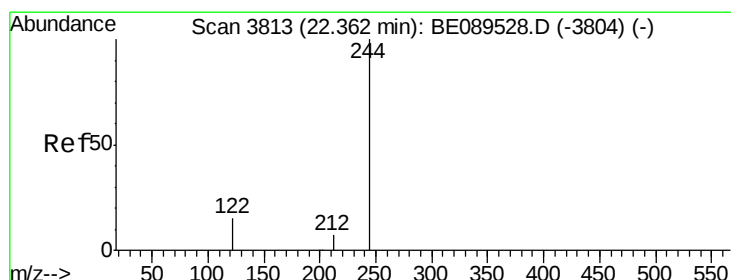
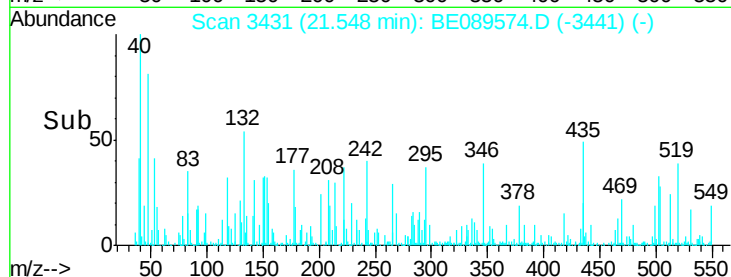
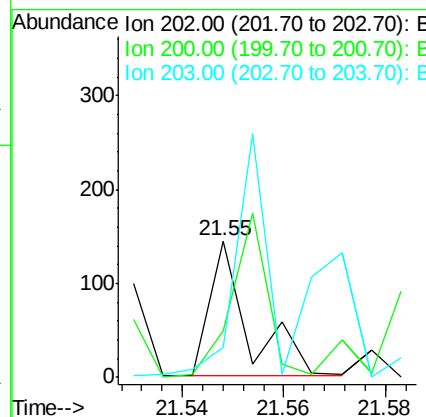
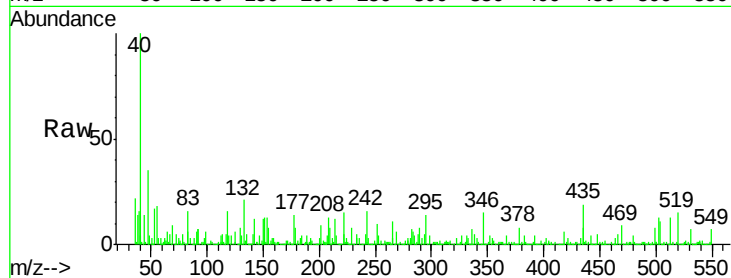
Acq: 8 Feb 2015 1:38

Instrument :

BNA_E

ClientSampleId :

Tgt Ion:	202	Resp:	76
Ion	Ratio	Lower	Upper
202	100		
200	113.2	16.3	24.5#
203	271.1	13.5	20.3#



#18

Terphenyl-d14

Concen: 0.06 ng

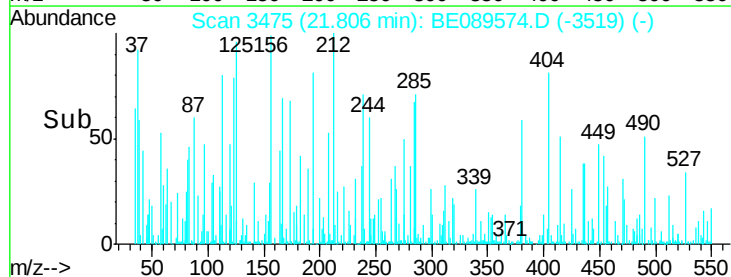
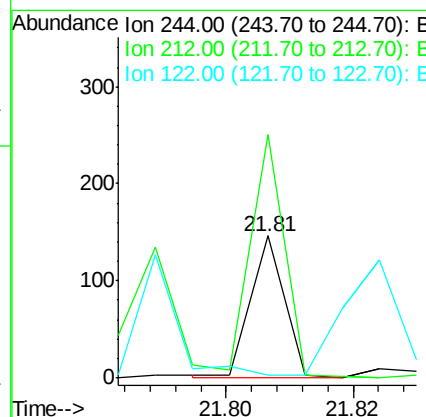
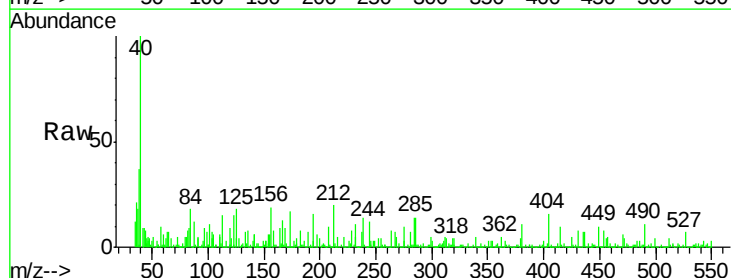
RT: 21.81 min Scan# 3475

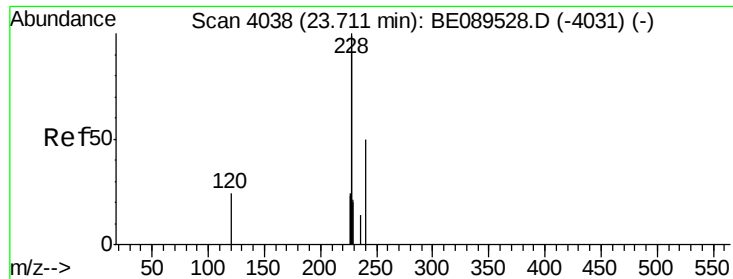
Delta R.T. -0.56 min

Lab File: BE089574.D

Acq: 8 Feb 2015 1:38

Tgt Ion:	244	Resp:	53
Ion	Ratio	Lower	Upper
244	100		
212	171.9	5.8	8.8#
122	2.1	12.6	19.0#





#19

Benzo(a)anthracene

Concen: 0.05 ng

RT: 23.12 min Scan# 3699

Delta R.T. -0.59 min

Lab File: BE089574.D

Acq: 8 Feb 2015 1:38

Instrument :

BNA_E

ClientSampleId :

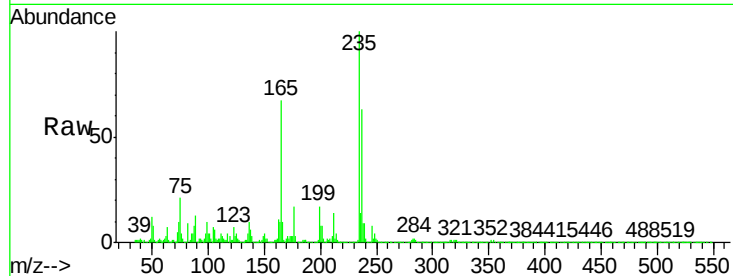
Tgt Ion:228 Resp: 278

Ion Ratio Lower Upper

228 100

226 15.1 19.0 28.4#

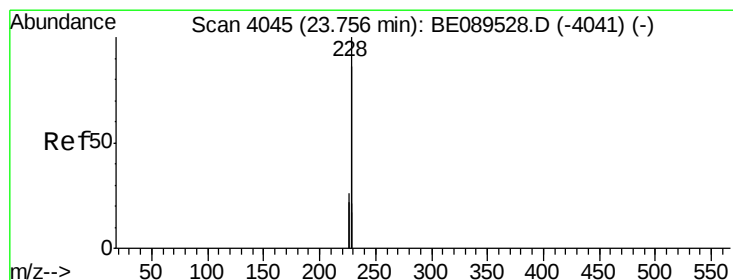
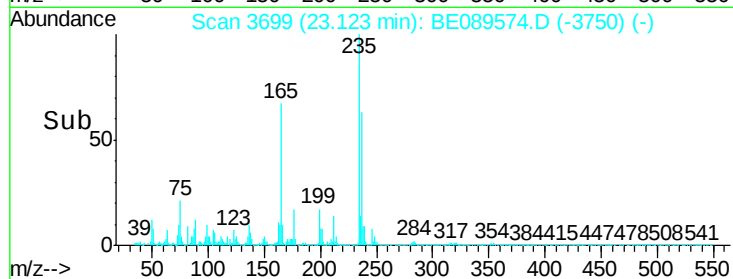
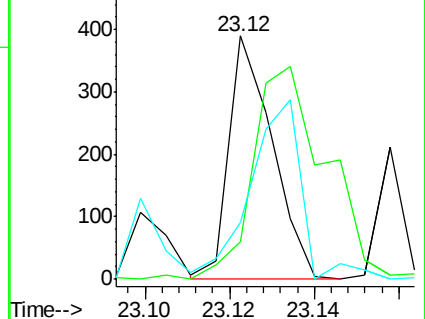
229 23.1 16.8 25.2



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



#20

Chrysene

Concen: 0.01 ng

RT: 23.16 min Scan# 3705

Delta R.T. -0.60 min

Lab File: BE089574.D

Acq: 8 Feb 2015 1:38

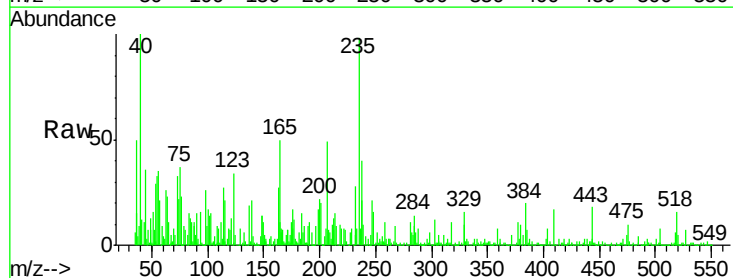
Tgt Ion:228 Resp: 83

Ion Ratio Lower Upper

228 100

226 2.8 21.0 31.4#

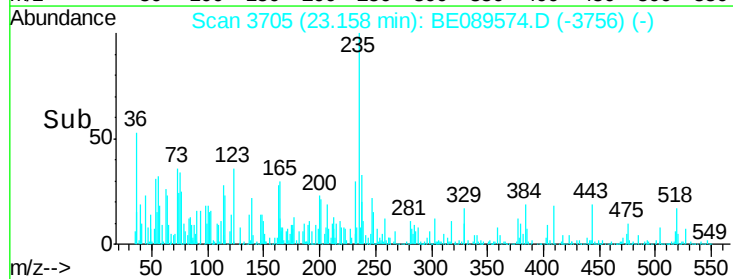
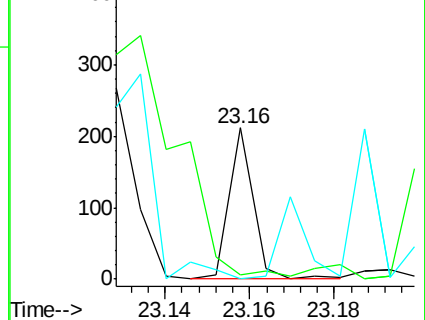
229 0.0 16.7 25.1#

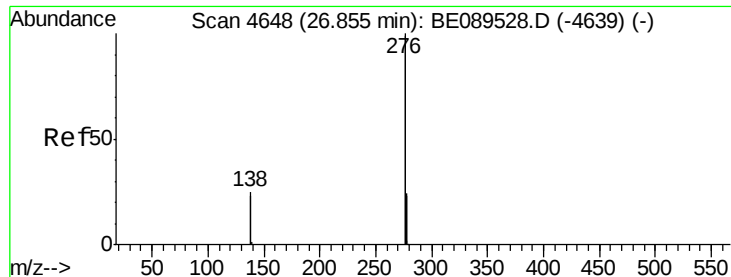


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng

RT: 26.18 min Scan# 4219

Delta R.T. -0.68 min

Lab File: BE089574.D

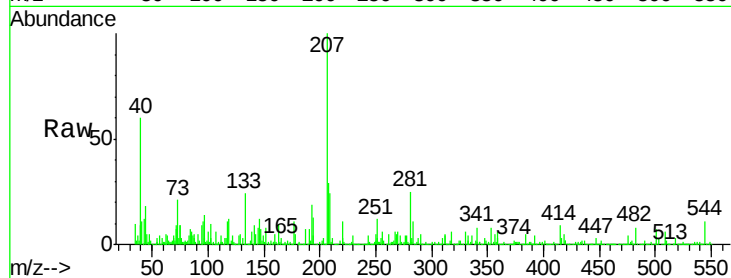
Acq: 8 Feb 2015 1:38

Instrument :

BNA_E

ClientSampled :

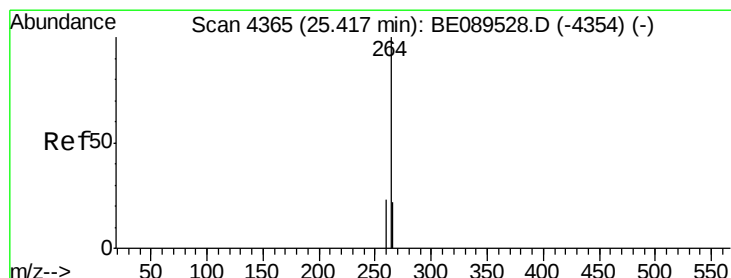
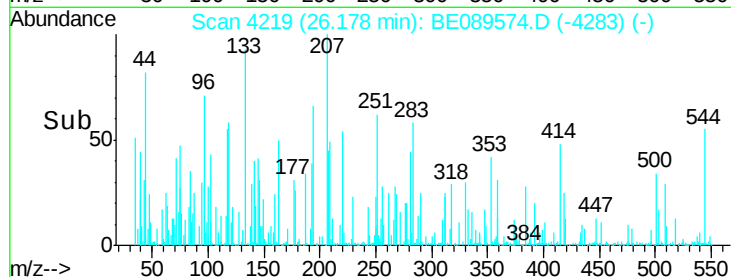
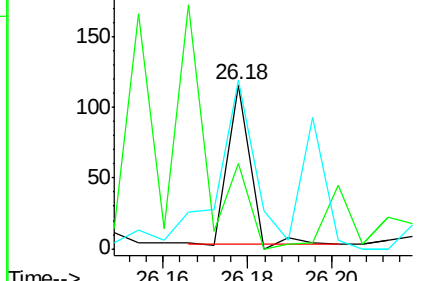
Tgt Ion:	276	Resp:	41
Ion	Ratio	Lower	Upper
276	100		
138	0.0	23.0	34.4#
277	168.3	19.9	29.9#



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



#22

Perylene-d12

Concen: 5.00 ng

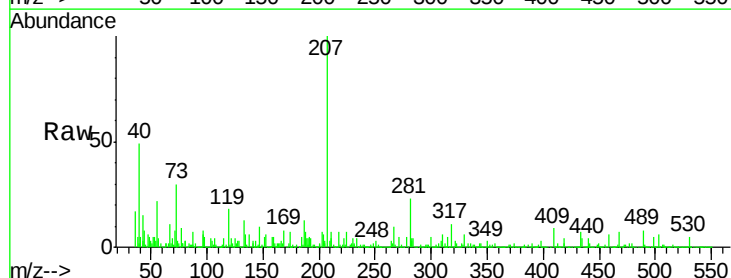
RT: 24.80 min Scan# 3984

Delta R.T. -0.62 min

Lab File: BE089574.D

Acq: 8 Feb 2015 1:38

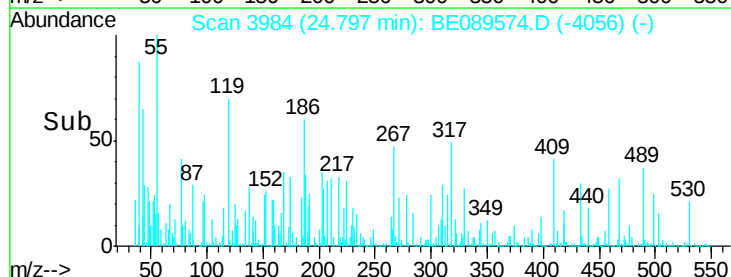
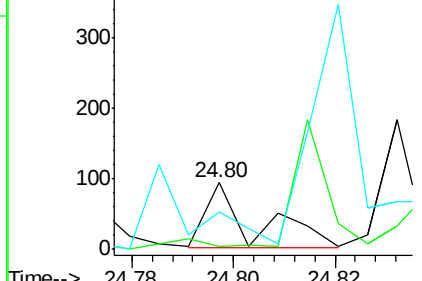
Tgt Ion:	264	Resp:	62
Ion	Ratio	Lower	Upper
264	100		
260	3.2	18.7	28.1#
265	56.4	17.5	26.3#

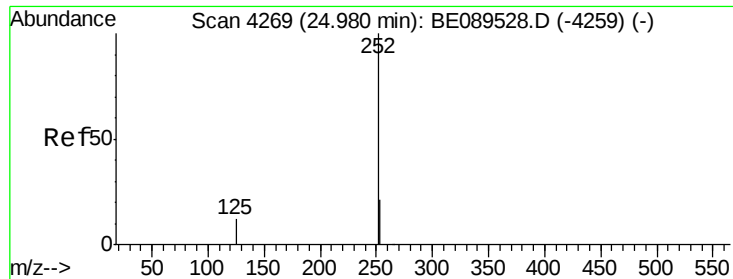


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#23

Benzo(b)fluoranthene

Concen: 3.82 ng

RT: 24.37 min Scan# 3912

Delta R.T. -0.61 min

Lab File: BE089574.D

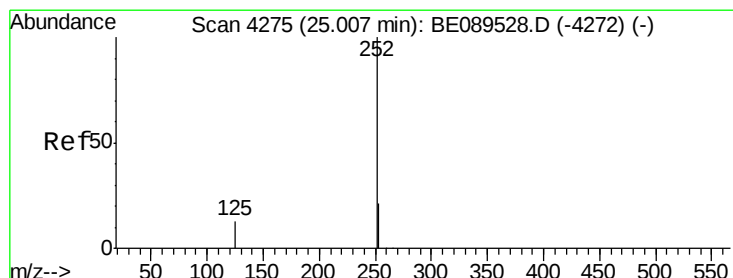
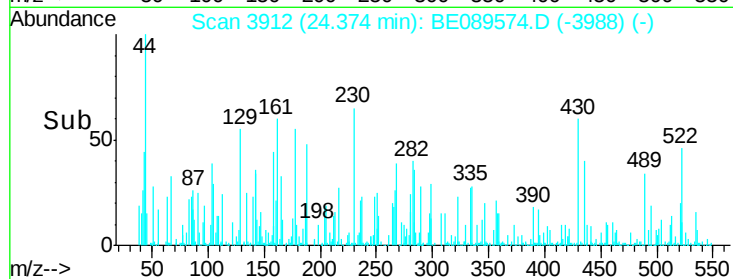
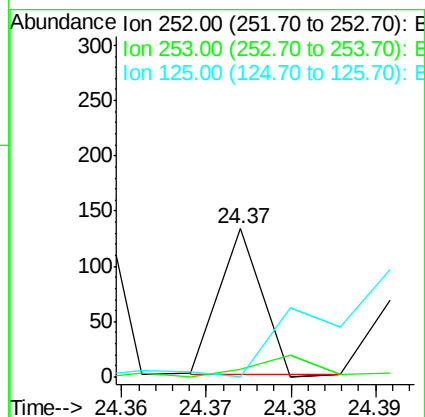
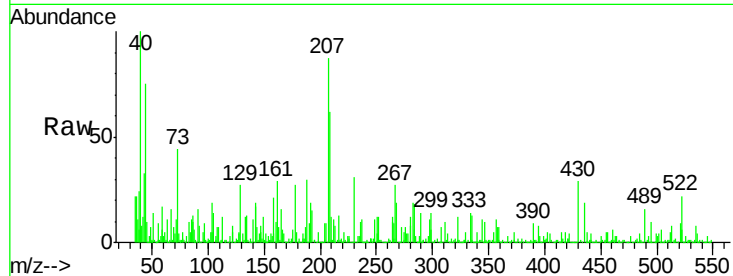
Acq: 8 Feb 2015 1:38

Instrument :

BNA_E

ClientSampled :

Tgt Ion:	252	Resp:	46
Ion Ratio	Lower	Upper	
252	100		
253	5.2	17.4	26.0#
125	0.0	10.4	15.6#



#24

Benzo(k)fluoranthene

Concen: 5.21 ng

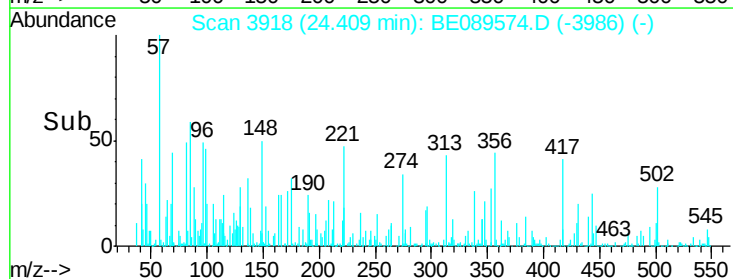
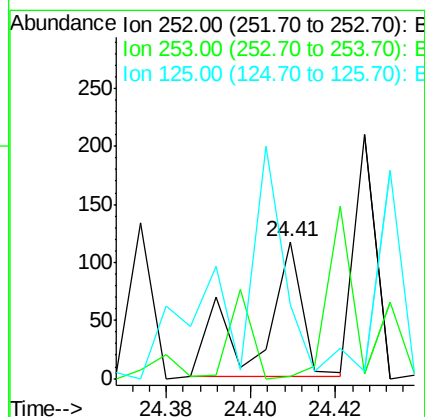
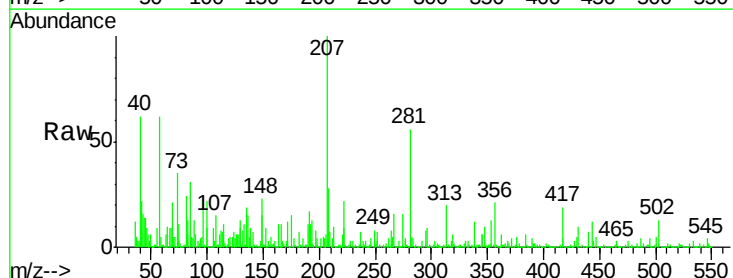
RT: 24.41 min Scan# 3918

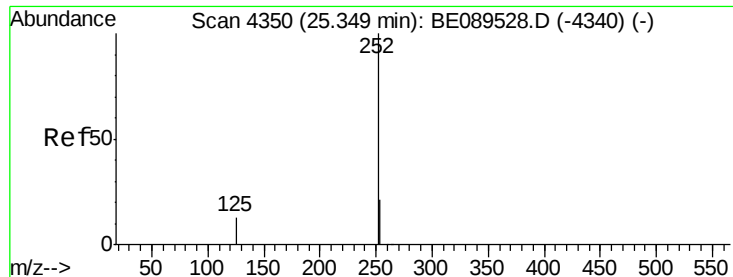
Delta R.T. -0.60 min

Lab File: BE089574.D

Acq: 8 Feb 2015 1:38

Tgt Ion:	252	Resp:	78
Ion Ratio	Lower	Upper	
252	100		
253	14.4	17.2	25.8#
125	54.2	10.6	15.8#

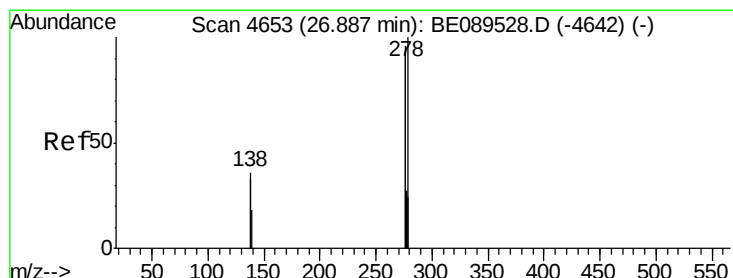
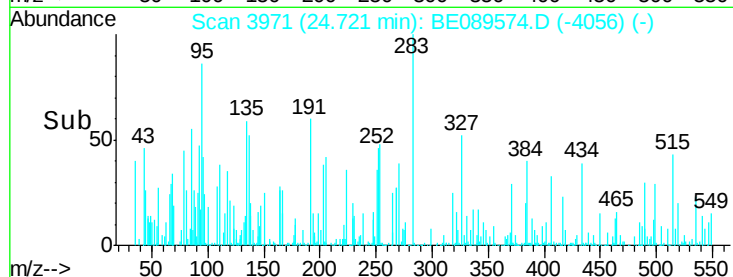
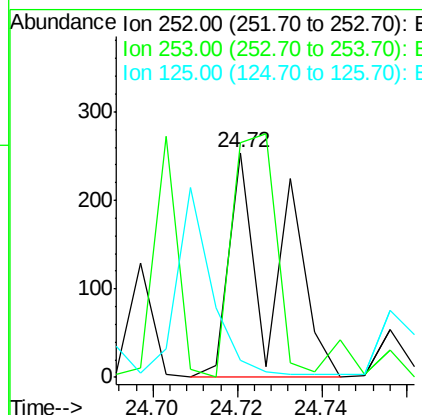
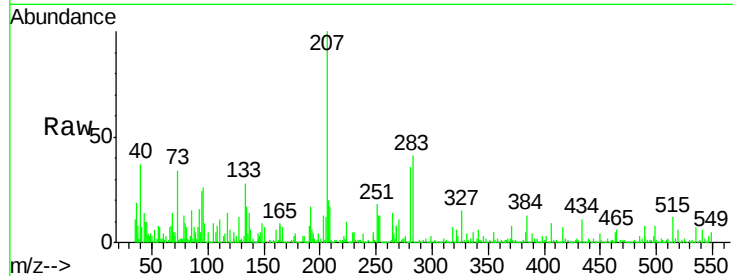




#25
Benzo(a)pyrene
Concen: 16.20 ng
RT: 24.72 min Scan# 3971
Delta R.T. -0.63 min
Lab File: BE089574.D
Acq: 8 Feb 2015 1:38

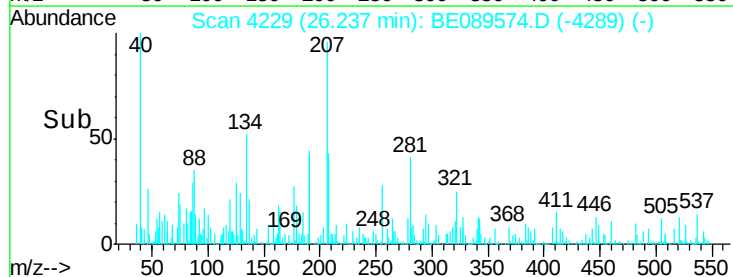
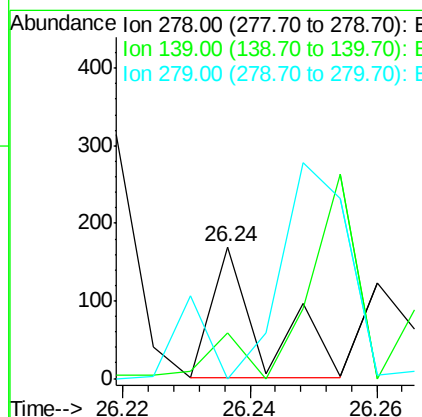
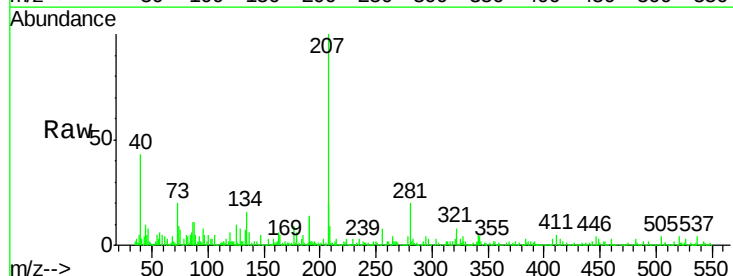
Instrument :
BNA_E
ClientSampleId :

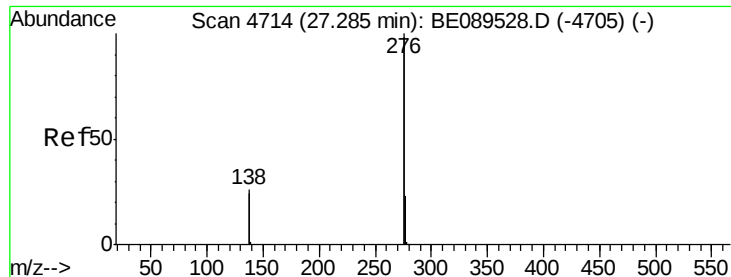
Tgt Ion:252 Resp: 194
Ion Ratio Lower Upper
252 100
253 51.1 17.8 26.6#
125 14.3 11.4 17.2



#26
Dibenzo(a,h)anthracene
Concen: 6.53 ng
RT: 26.24 min Scan# 4229
Delta R.T. -0.65 min
Lab File: BE089574.D
Acq: 8 Feb 2015 1:38

Tgt Ion:278 Resp: 96
Ion Ratio Lower Upper
278 100
139 34.1 15.7 23.5#
279 2.9 19.5 29.3#





#27
 Benzo(g,h,i)perylene
 Concen: 2.60 ng
 RT: 26.64 min Scan# 4297
 Delta R.T. -0.65 min
 Lab File: BE089574.D
 Acq: 8 Feb 2015 1:38

Instrument :
 BNA_E
 ClientSampleId :

Tgt Ion: 276 Resp: 156
 Ion Ratio Lower Upper
 276 100
 277 0.0 18.6 27.8#
 138 1.0 20.9 31.3#

