

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE042616\
 Data File : BE091716.D
 Acq On : 26 Apr 2016 22:30
 Operator : UM/SJ
 Sample : H2661-01MS
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 CEDAR-HILL-TF-PS-001MS

Quant Time: Apr 27 00:51:00 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE042616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 26 16:09:46 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	28645	5.00	ng	0.00
7) Naphthalene-d8	10.58	136	135091	5.00	ng	0.00
13) Acenaphthene-d10	14.41	164	85996	5.00	ng	-0.01
19) Phenanthrene-d10	17.14	188	205120	5.00	ng	0.00
26) Chrysene-d12	21.30	240	240032	5.00	ng	0.00
35) Perylene-d12	23.75	264	219959	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	46997	6.68	ng	0.00
5) Phenol-d6	6.96	99	71291	7.64	ng	0.00
8) Nitrobenzene-d5	8.95	82	32957	3.78	ng	0.00
14) 2,4,6-Tribromophenol	15.89	330	22009	6.90	ng	0.00
15) 2-Fluorobiphenyl	13.03	172	86113	3.54	ng	0.00
29) Terphenyl-d14	19.76	244	139812	3.74	ng	0.00

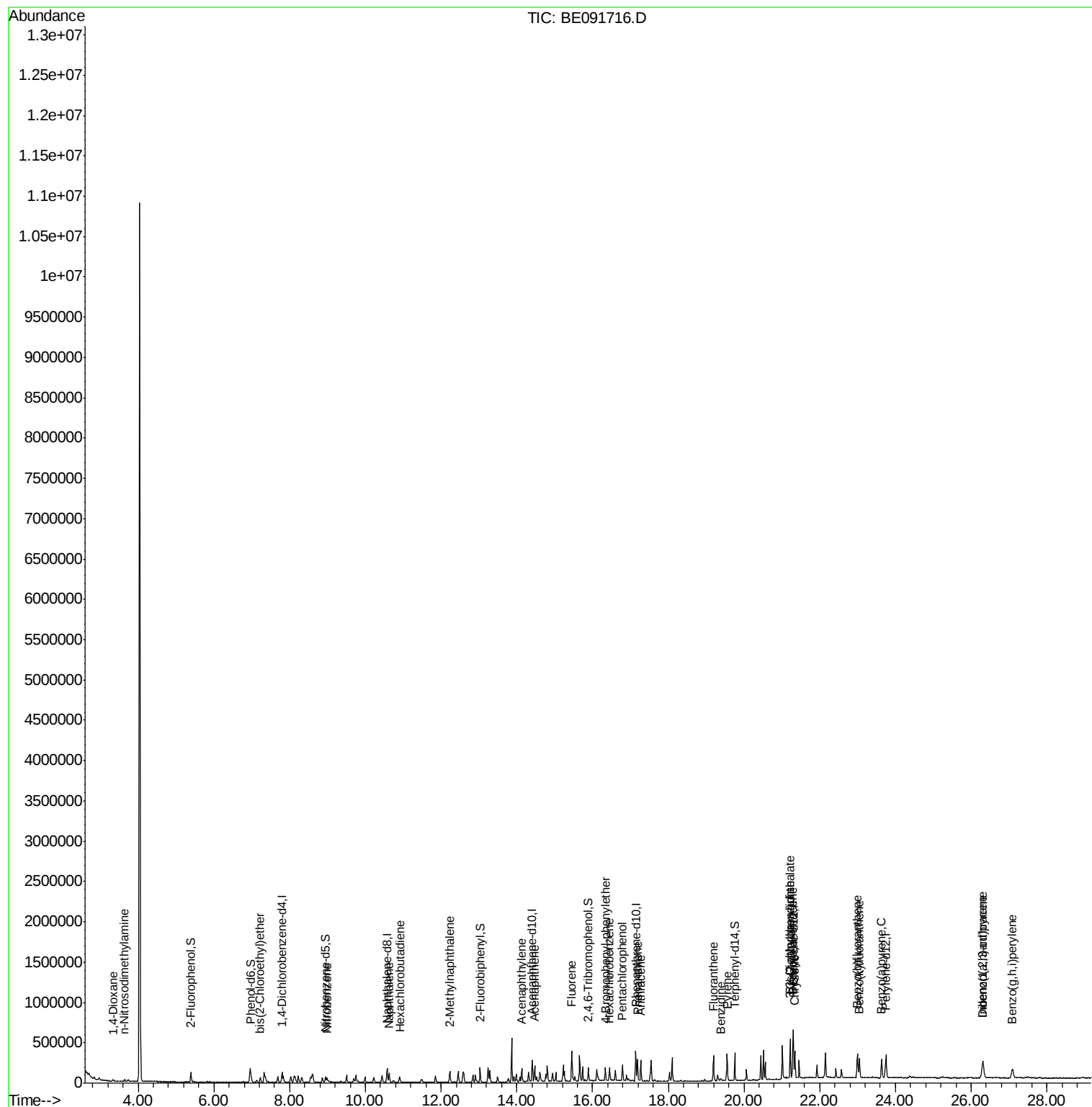
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.34	88	10099	2.99	ng	98
3) n-Nitrosodimethylamine	3.64	42	14828	2.85	ng	98
6) bis(2-Chloroethyl)ether	7.23	93	27818	3.39	ng	# 80
9) Nitrobenzene	8.99	77	30689	3.37	ng	95
10) Naphthalene	10.62	128	88713	3.25	ng	99
11) Hexachlorobutadiene	10.90	225	13326	3.31	ng	98
12) 2-Methylnaphthalene	12.23	142	63650	3.63	ng	98
16) Acenaphthylene	14.13	152	108175	3.27	ng	# 88
17) Acenaphthene	14.47	154	66031	3.08	ng	87
18) Fluorene	15.45	166	87524	3.28	ng	100
20) 4-Bromophenyl-phenylether	16.34	248	23646	3.20	ng	96
21) Hexachlorobenzene	16.45	284	24062	3.26	ng	# 86
22) Pentachlorophenol	16.79	266	27157	6.82	ng	85
23) Phenanthrene	17.19	178	153798	3.30	ng	98
24) Anthracene	17.27	178	152074	3.62	ng	100
25) Fluoranthene	19.19	202	177040	3.63	ng	100
27) Benzidine	19.38	184	13642	0.86	ng	# 80
28) Pyrene	19.55	202	187294	3.45	ng	98
30) Benzo(a)anthracene	21.29	228	180053	3.07	ng	99
31) 3,3'-Dichlorobenzidine	21.23	252	33036	1.10	ng	96
32) Chrysene	21.35	228	173322	2.84	ng	99
33) Bis(2-ethylhexyl)phthalate	21.22	149	128020	7.21	ng	# 89
34) Indeno(1,2,3-cd)pyrene	26.30	276	170724	3.15	ng	98
36) Benzo(b)fluoranthene	23.00	252	167030	3.24	ng	98
37) Benzo(k)fluoranthene	23.05	252	172058	3.28	ng	99
38) Benzo(a)pyrene	23.64	252	160565	3.31	ng	97
39) Dibenzo(a,h)anthracene	26.32	278	141596	3.08	ng	97
40) Benzo(g,h,i)perylene	27.09	276	144490	3.09	ng	99

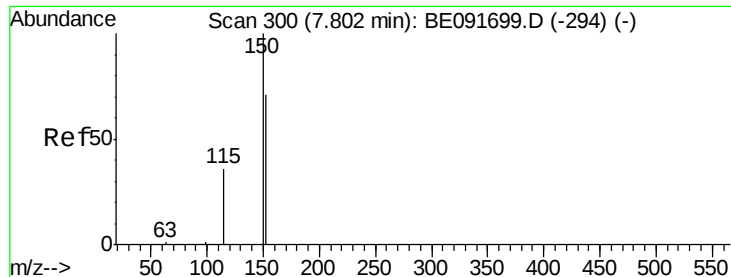
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE042616\
Data File : BE091716.D
Acq On : 26 Apr 2016 22:30
Operator : UM/SJ
Sample : H2661-01MS
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
CEDAR-HILL-TF-PS-001MS

Quant Time: Apr 27 00:51:00 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE042616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 26 16:09:46 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.80 min Scan# 886

Delta R.T. -0.01 min

Lab File: BE091716.D

Acq: 26 Apr 2016 22:30

Instrument :

BNA_E

ClientSampleId :

CEDAR-HILL-TF-PS-001MS

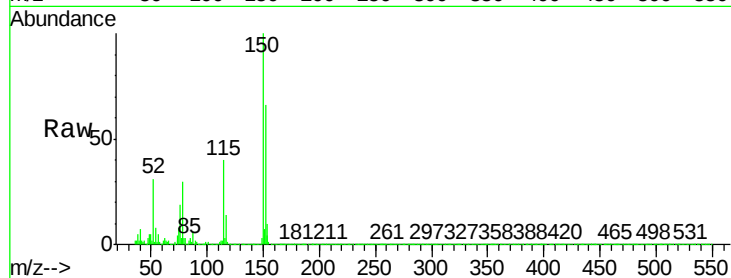
Tgt Ion:152 Resp: 28645

Ion Ratio Lower Upper

152 100

150 152.1 122.6 183.8

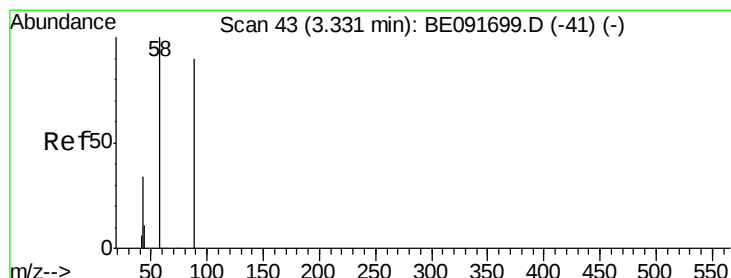
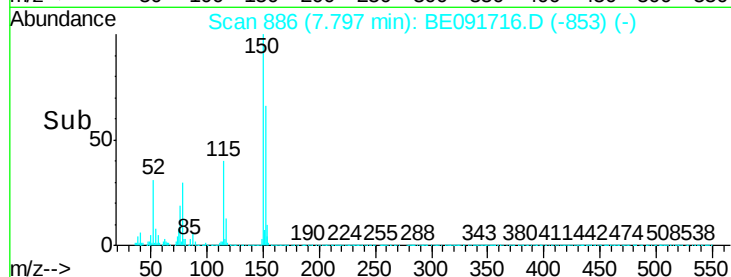
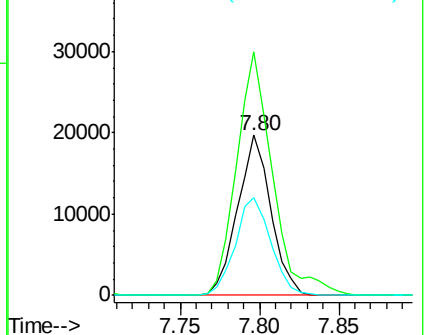
115 61.2 52.8 79.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 2.99 ng

RT: 3.34 min Scan# 127

Delta R.T. 0.01 min

Lab File: BE091716.D

Acq: 26 Apr 2016 22:30

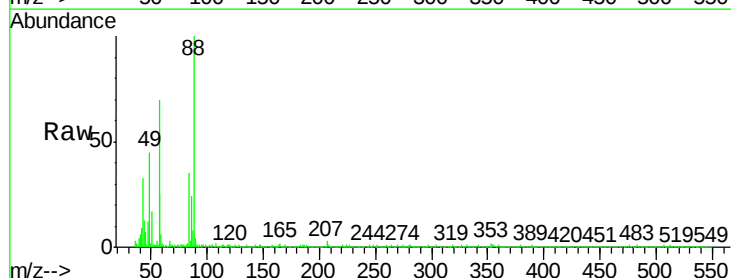
Tgt Ion: 88 Resp: 10099

Ion Ratio Lower Upper

88 100

58 81.5 65.8 98.6

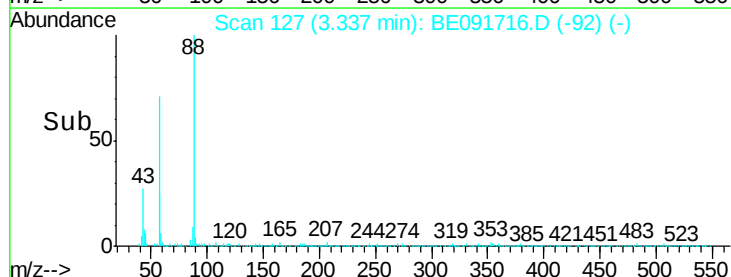
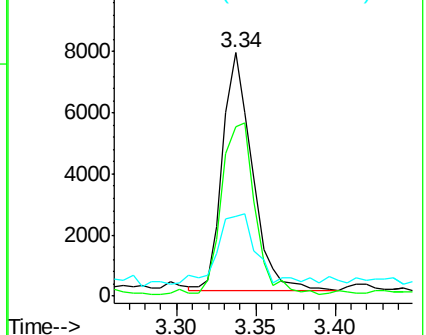
43 34.3 25.3 37.9

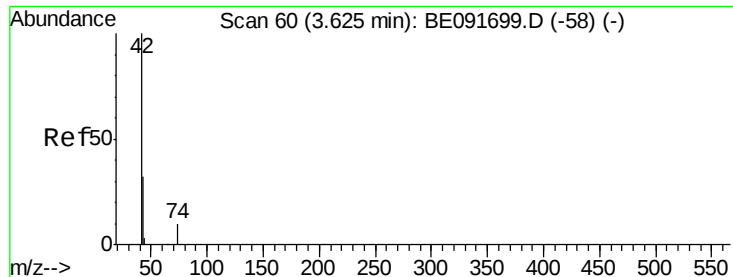


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

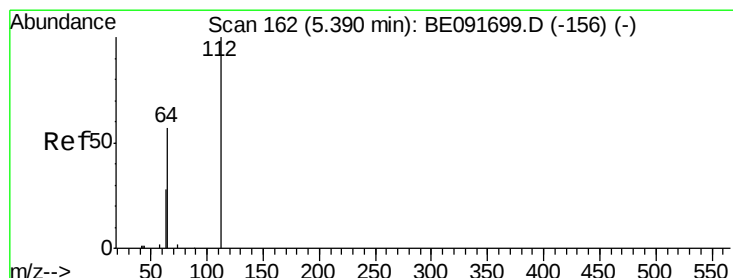
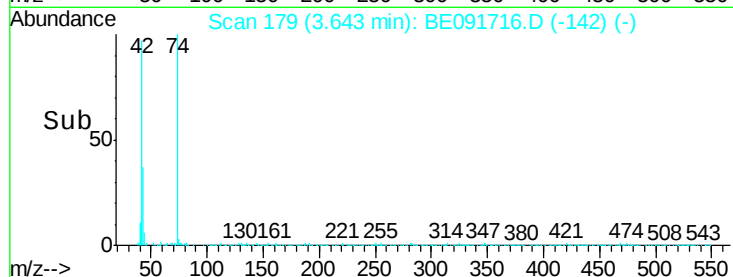
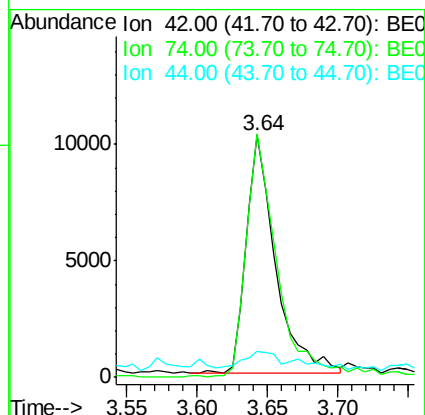
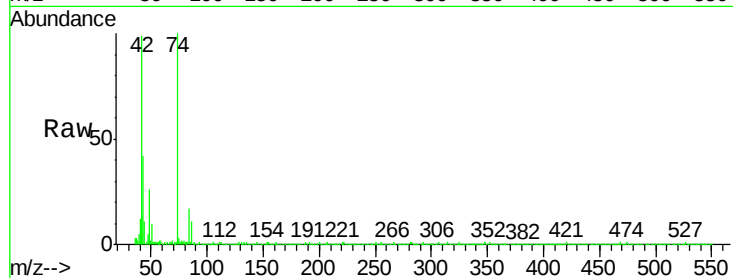




#3
n-Nitrosodimethylamine
Concen: 2.85 ng
RT: 3.64 min Scan# 179
Delta R.T. 0.02 min
Lab File: BE091716.D
Acq: 26 Apr 2016 22:30

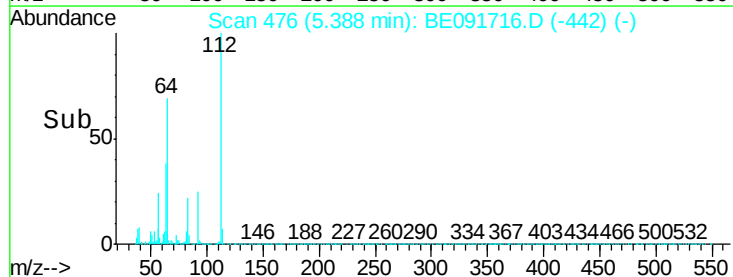
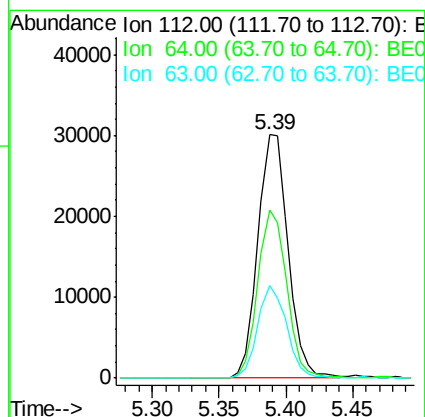
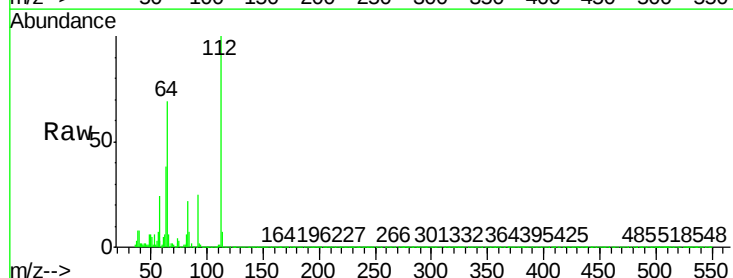
Instrument :
BNA_E
ClientSampleId :
CEDAR-HILL-TF-PS-001MS

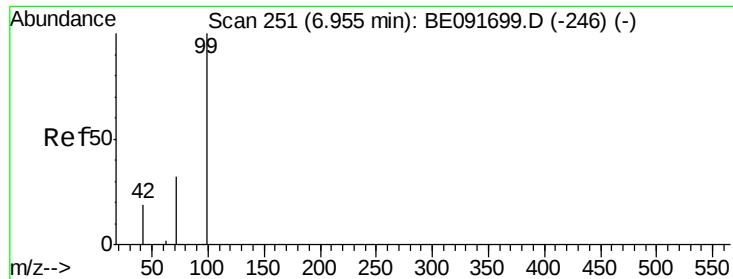
Tgt Ion: 42 Resp: 14828
Ion Ratio Lower Upper
42 100
74 107.1 87.9 131.9
44 8.0 6.6 9.8



#4
2-Fluorophenol
Concen: 6.68 ng
RT: 5.39 min Scan# 476
Delta R.T. -0.00 min
Lab File: BE091716.D
Acq: 26 Apr 2016 22:30

Tgt Ion: 112 Resp: 46997
Ion Ratio Lower Upper
112 100
64 66.5 30.9 46.3#
63 35.9 16.7 25.1#





#5

Phenol-d6

Concen: 7.64 ng

RT: 6.96 min Scan# 743

Delta R.T. 0.00 min

Lab File: BE091716.D

Acq: 26 Apr 2016 22:30

Instrument :

BNA_E

ClientSampleId :

CEDAR-HILL-TF-PS-001MS

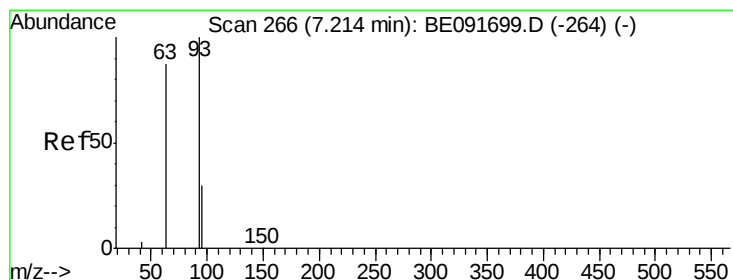
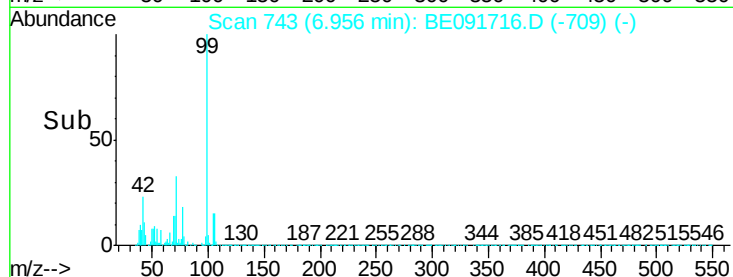
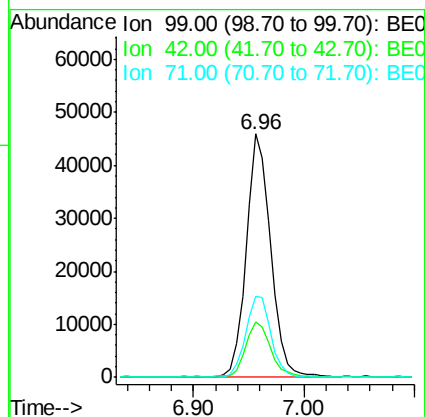
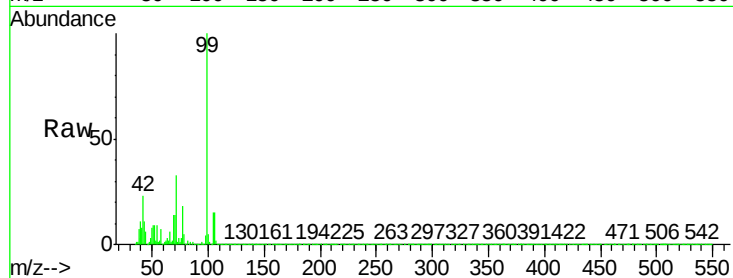
Tgt Ion: 99 Resp: 71291

Ion Ratio Lower Upper

99 100

42 23.3 16.2 24.2

71 34.1 29.0 43.4



#6

bis(2-Chloroethyl)ether

Concen: 3.39 ng

RT: 7.23 min Scan# 789

Delta R.T. 0.01 min

Lab File: BE091716.D

Acq: 26 Apr 2016 22:30

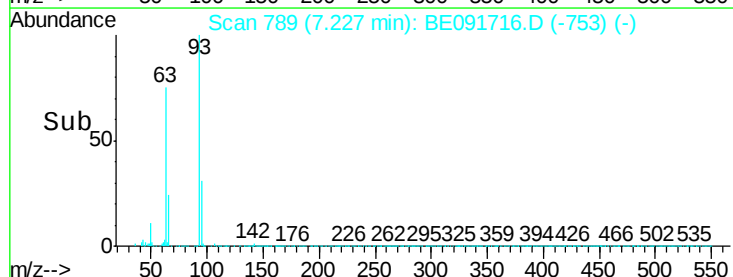
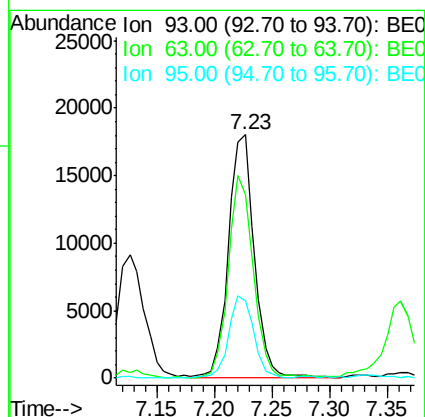
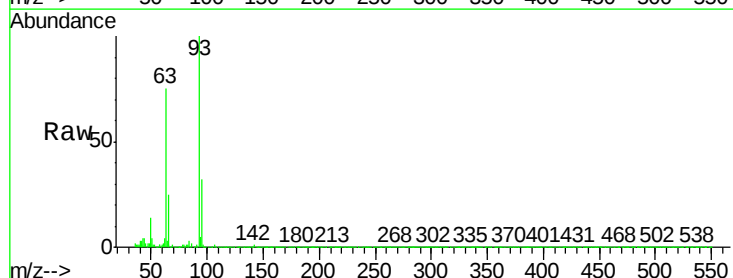
Tgt Ion: 93 Resp: 27818

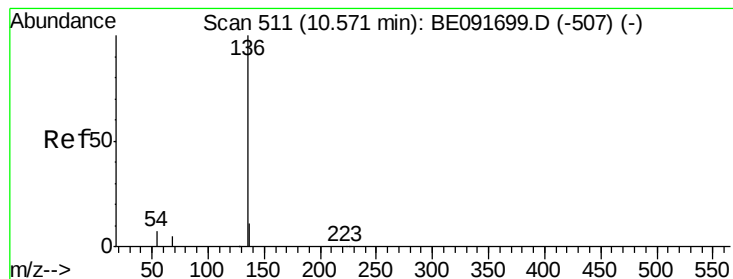
Ion Ratio Lower Upper

93 100

63 80.7 49.5 74.3#

95 32.9 22.2 33.4





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.58 min Scan# 1359

Delta R.T. 0.00 min

Lab File: BE091716.D

Acq: 26 Apr 2016 22:30

Instrument :

BNA_E

ClientSampleId :

CEDAR-HILL-TF-PS-001MS

Tgt Ion: 136 Resp: 135091

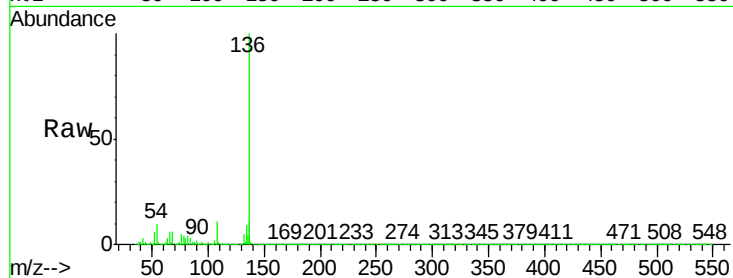
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 10.1 8.2 12.4

68 6.2 6.2 9.4#

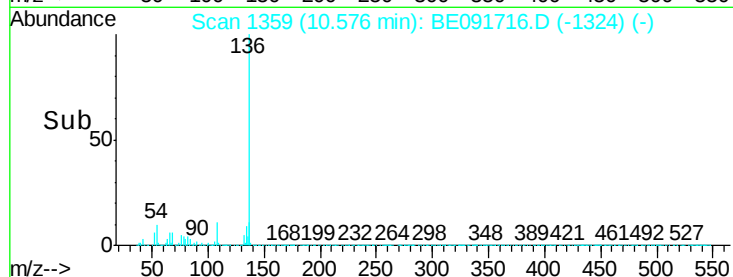


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

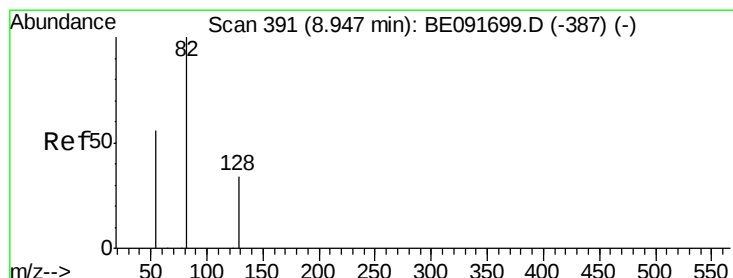
Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time-->

10.58



#8

Nitrobenzene-d5

Concen: 3.78 ng

RT: 8.95 min Scan# 1082

Delta R.T. 0.00 min

Lab File: BE091716.D

Acq: 26 Apr 2016 22:30

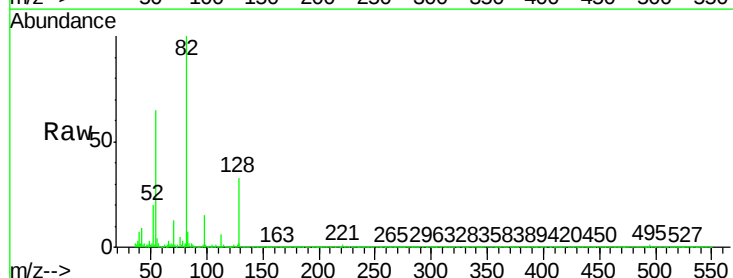
Tgt Ion: 82 Resp: 32957

Ion Ratio Lower Upper

82 100

128 33.5 25.4 38.0

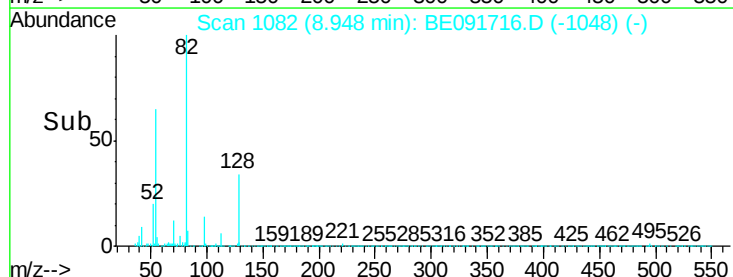
54 64.8 48.4 72.6



Abundance Ion 82.00 (81.70 to 82.70): BE0

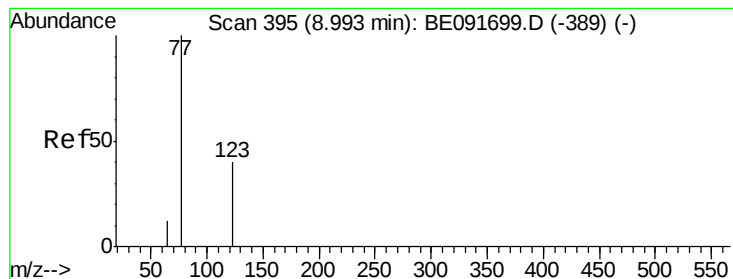
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



Time-->

8.95



#9

Nitrobenzene

Concen: 3.37 ng

RT: 8.99 min Scan# 1089

Delta R.T. -0.00 min

Lab File: BE091716.D

Acq: 26 Apr 2016 22:30

Instrument :

BNA_E

ClientSampleId :

CEDAR-HILL-TF-PS-001MS

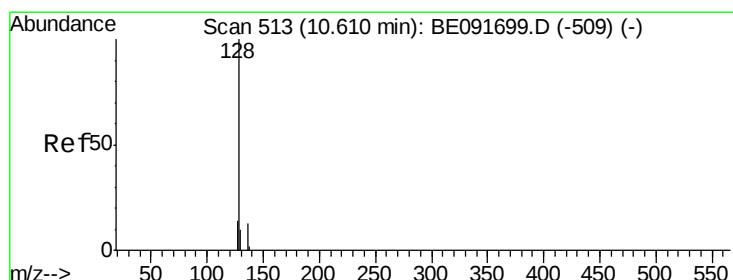
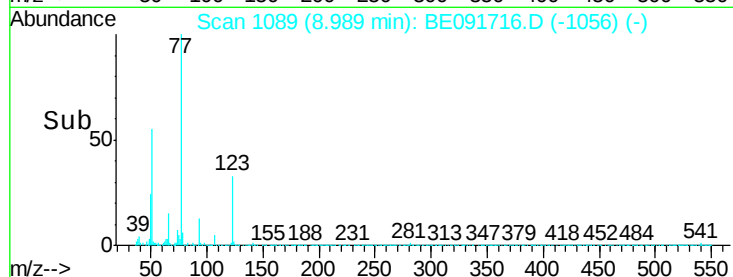
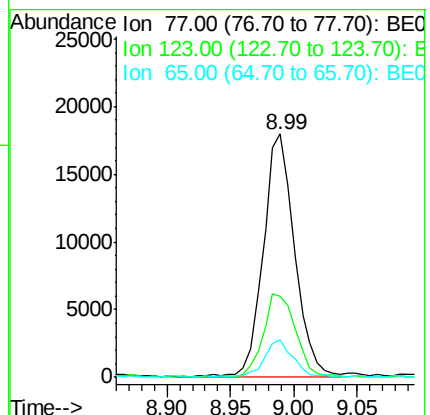
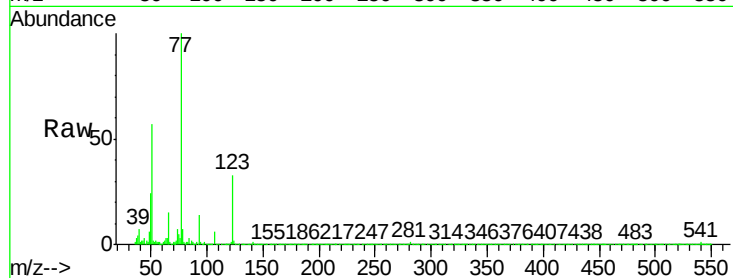
Tgt Ion: 77 Resp: 30689

Ion Ratio Lower Upper

77 100

123 36.3 26.9 40.3

65 13.8 9.4 14.2



#10

Naphthalene

Concen: 3.25 ng

RT: 10.62 min Scan# 1367

Delta R.T. 0.01 min

Lab File: BE091716.D

Acq: 26 Apr 2016 22:30

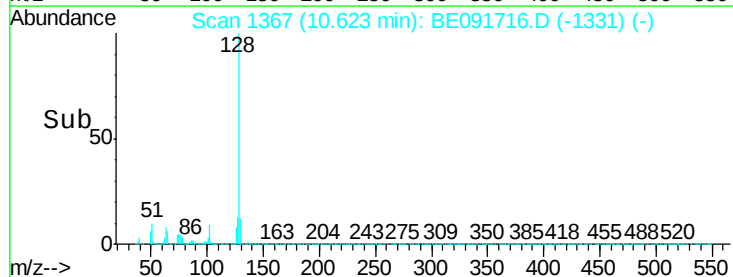
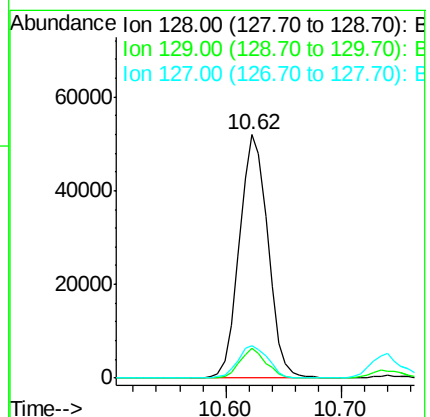
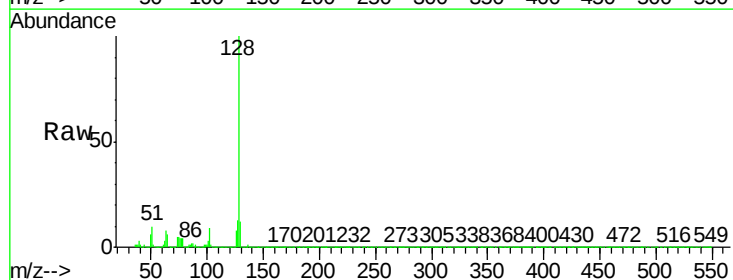
Tgt Ion: 128 Resp: 88713

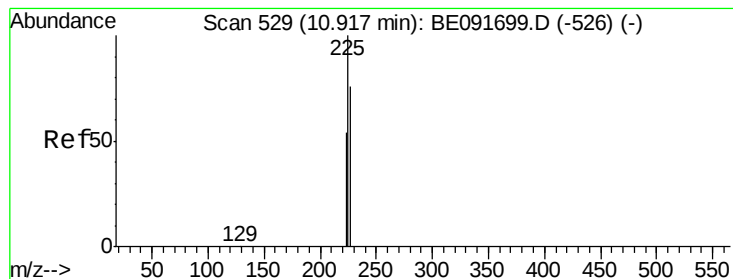
Ion Ratio Lower Upper

128 100

129 12.1 9.3 13.9

127 13.2 10.7 16.1





#11

Hexachlorobutadiene

Concen: 3.31 ng

RT: 10.90 min Scan# 1415

Delta R.T. -0.01 min

Lab File: BE091716.D

Acq: 26 Apr 2016 22:30

Instrument :

BNA_E

ClientSampleId :

CEDAR-HILL-TF-PS-001MS

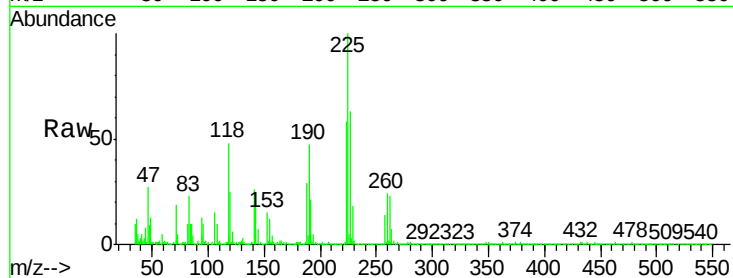
Tgt Ion:225 Resp: 13326

Ion Ratio Lower Upper

225 100

223 61.3 49.0 73.6

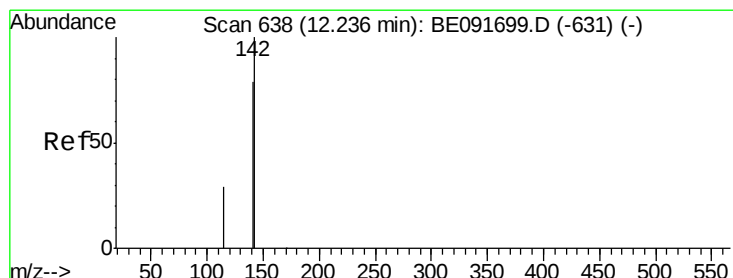
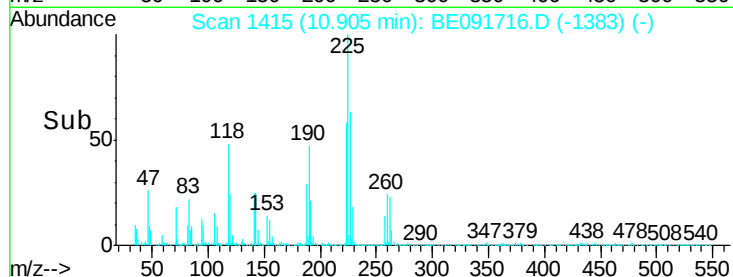
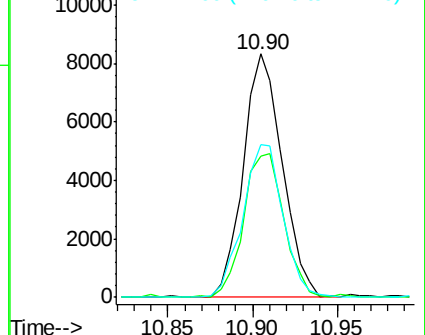
227 65.4 50.3 75.5



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



#12

2-Methylnaphthalene

Concen: 3.63 ng

RT: 12.23 min Scan# 1641

Delta R.T. -0.00 min

Lab File: BE091716.D

Acq: 26 Apr 2016 22:30

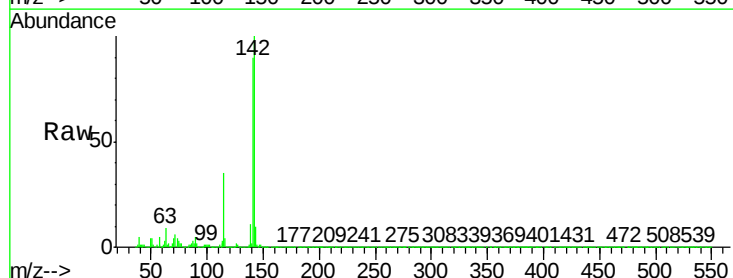
Tgt Ion:142 Resp: 63650

Ion Ratio Lower Upper

142 100

141 89.9 71.4 107.0

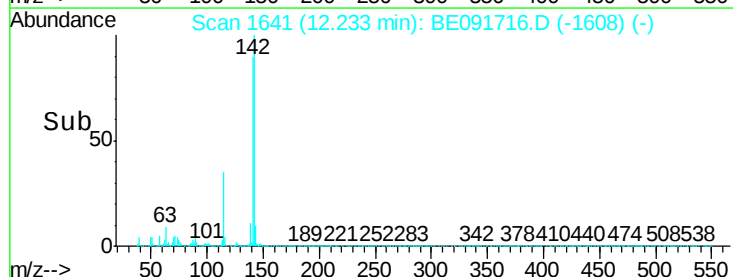
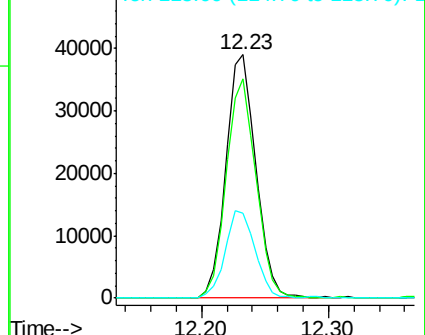
115 34.9 30.3 45.5

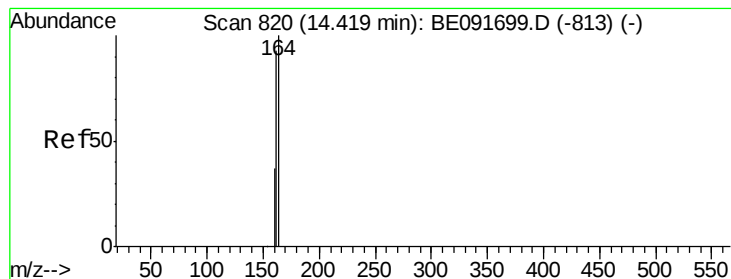


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.41 min Scan# 2011

Delta R.T. -0.01 min

Lab File: BE091716.D

Acq: 26 Apr 2016 22:30

Instrument :

BNA_E

ClientSampleId :

CEDAR-HILL-TF-PS-001MS

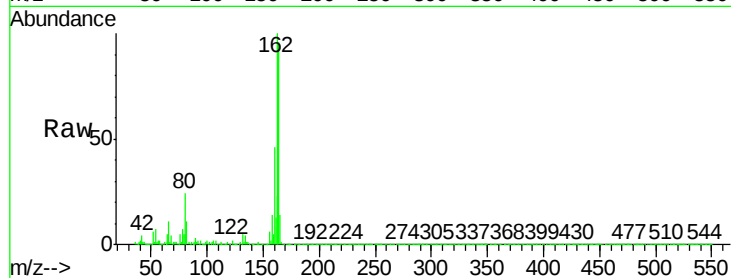
Tgt Ion:164 Resp: 85996

Ion Ratio Lower Upper

164 100

162 104.6 85.3 127.9

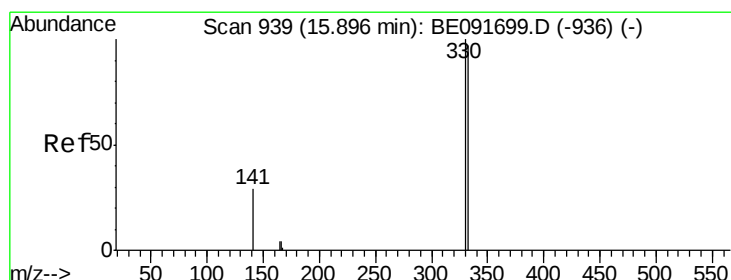
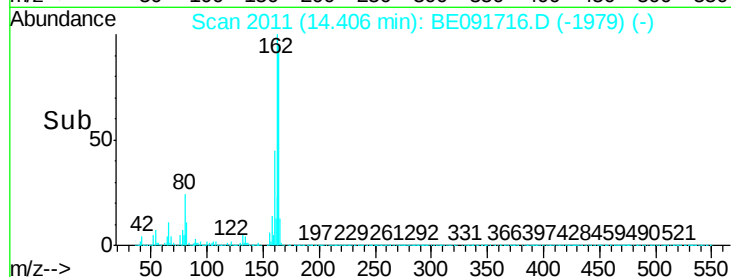
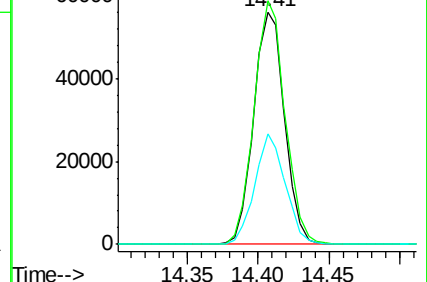
160 47.6 46.2 69.2



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



#14

2,4,6-Tribromophenol

Concen: 6.90 ng

RT: 15.89 min Scan# 2264

Delta R.T. -0.00 min

Lab File: BE091716.D

Acq: 26 Apr 2016 22:30

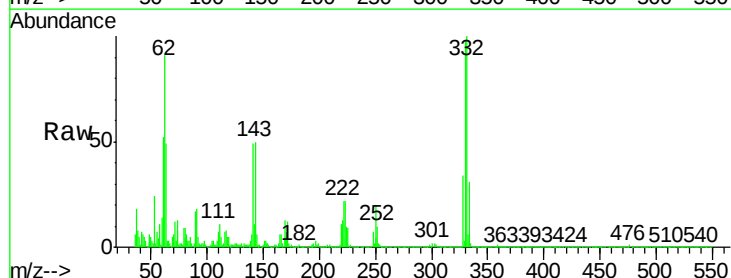
Tgt Ion:330 Resp: 22009

Ion Ratio Lower Upper

330 100

332 100.4 79.1 118.7

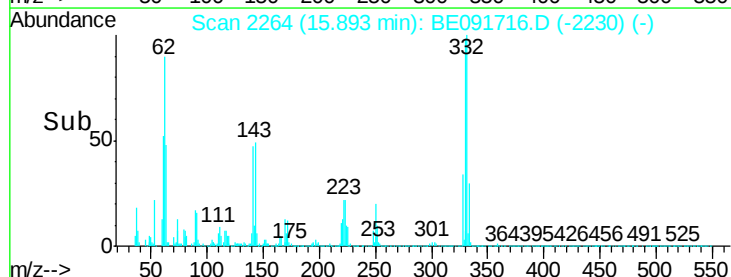
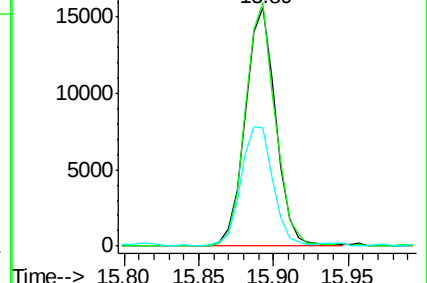
141 52.4 125.4 188.0#

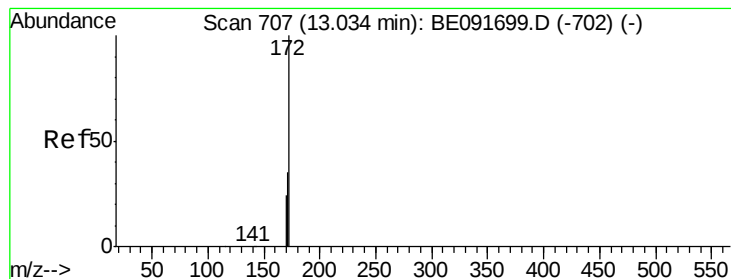


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 3.54 ng

RT: 13.03 min Scan# 1777

Delta R.T. -0.00 min

Lab File: BE091716.D

Acq: 26 Apr 2016 22:30

Instrument :

BNA_E

ClientSampleId :

CEDAR-HILL-TF-PS-001MS

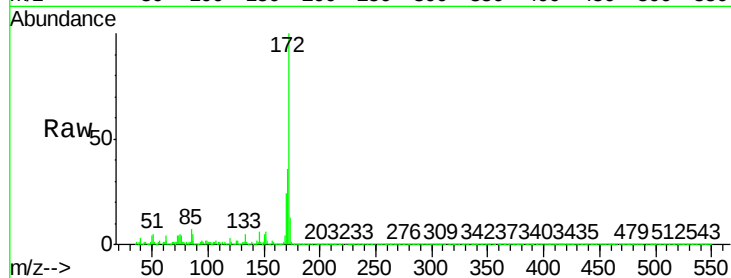
Tgt Ion:172 Resp: 86113

Ion Ratio Lower Upper

172 100

171 36.1 28.8 43.2

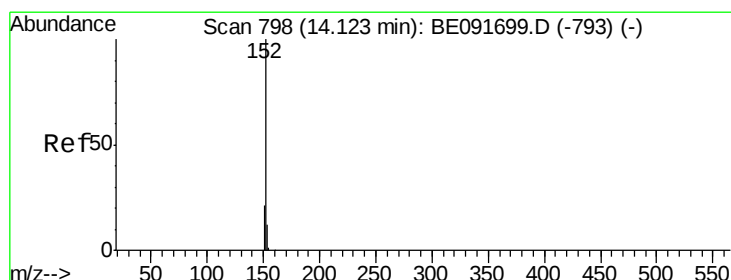
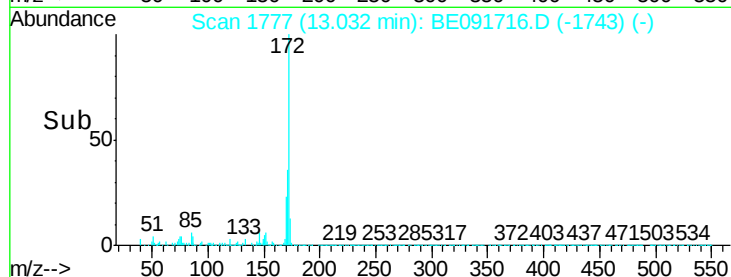
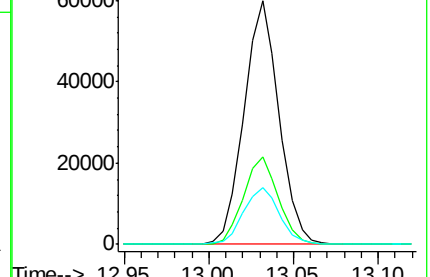
170 23.5 19.3 28.9



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



#16

Acenaphthylene

Concen: 3.27 ng

RT: 14.13 min Scan# 1964

Delta R.T. 0.01 min

Lab File: BE091716.D

Acq: 26 Apr 2016 22:30

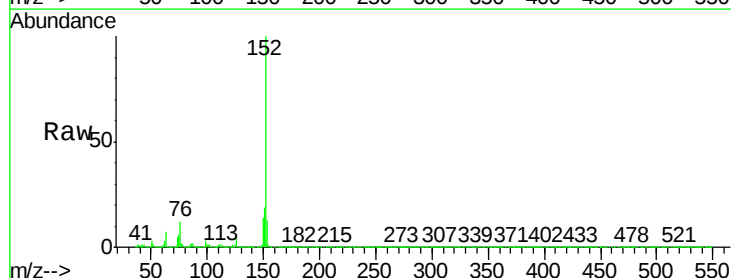
Tgt Ion:152 Resp: 108175

Ion Ratio Lower Upper

152 100

151 19.5 3.9 5.9#

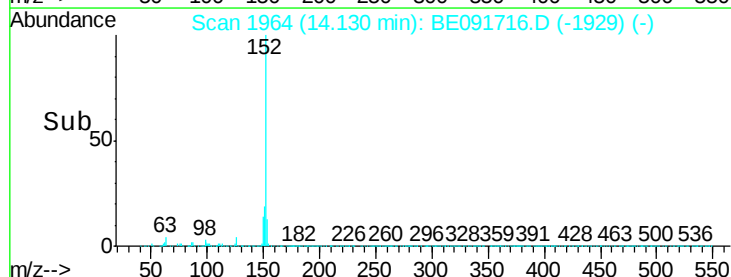
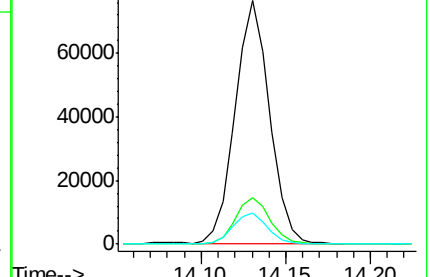
153 13.1 10.3 15.5

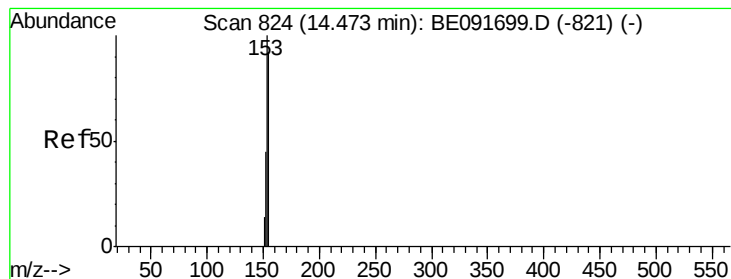


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 3.08 ng

RT: 14.47 min Scan# 2022

Delta R.T. -0.00 min

Lab File: BE091716.D

Acq: 26 Apr 2016 22:30

Instrument :

BNA_E

ClientSampleId :

CEDAR-HILL-TF-PS-001MS

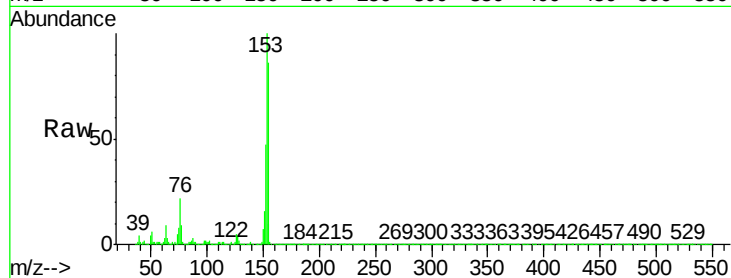
Tgt Ion:154 Resp: 66031

Ion Ratio Lower Upper

154 100

153 115.6 80.0 120.0

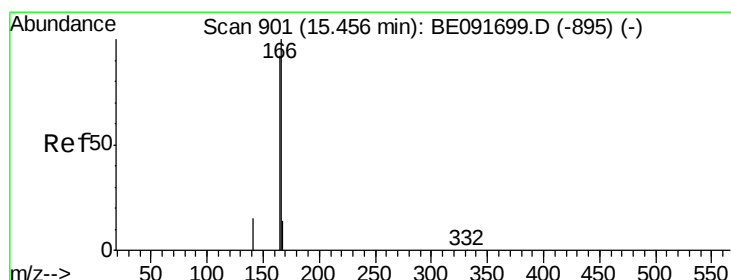
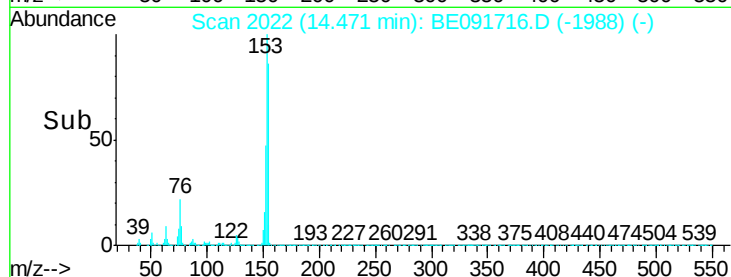
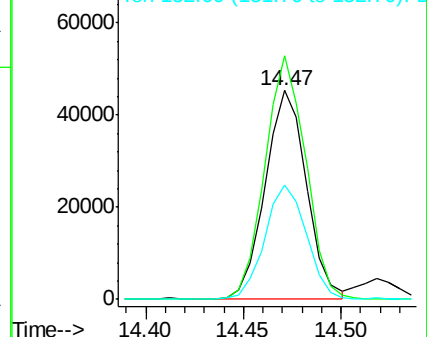
152 55.5 40.0 60.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 3.28 ng

RT: 15.45 min Scan# 2189

Delta R.T. -0.00 min

Lab File: BE091716.D

Acq: 26 Apr 2016 22:30

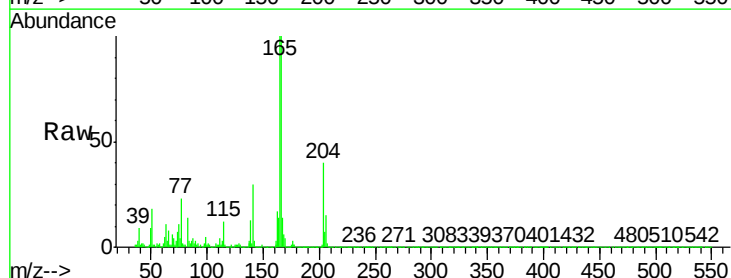
Tgt Ion:166 Resp: 87524

Ion Ratio Lower Upper

166 100

165 101.1 80.8 121.2

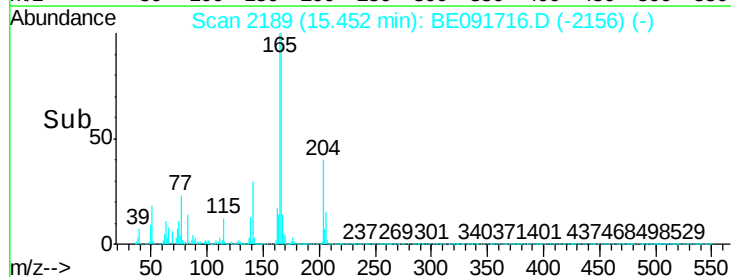
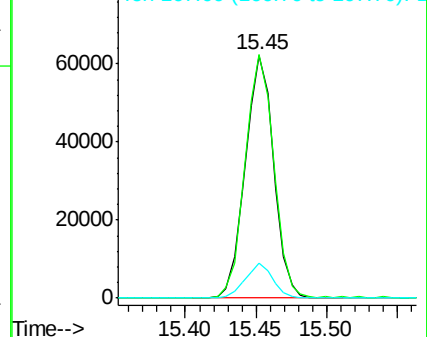
167 14.1 10.9 16.3

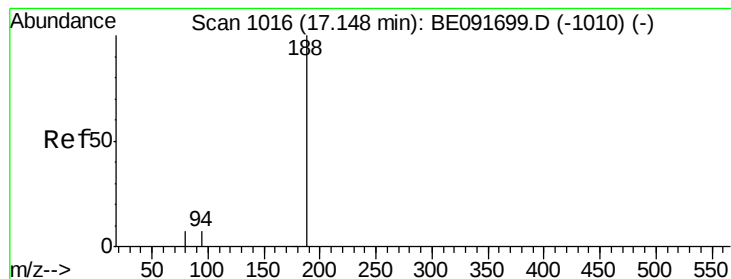


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.14 min Scan# 2477

Delta R.T. -0.00 min

Lab File: BE091716.D

Acq: 26 Apr 2016 22:30

Instrument :

BNA_E

ClientSampleId :

CEDAR-HILL-TF-PS-001MS

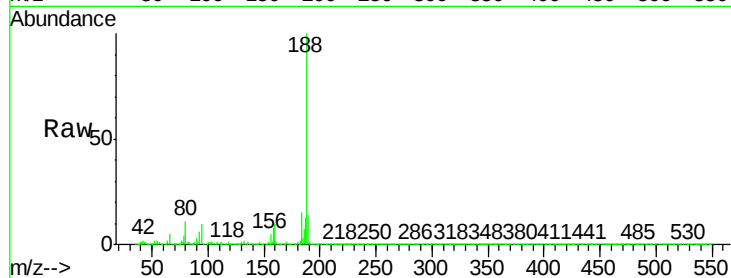
Tgt Ion:188 Resp: 205120

Ion Ratio Lower Upper

188 100

94 9.8 8.7 13.1

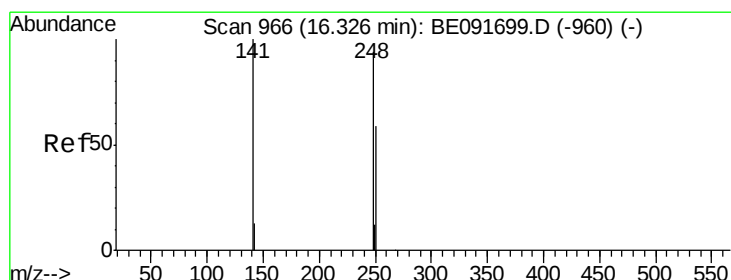
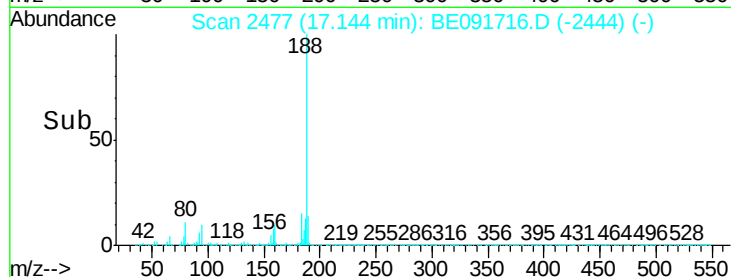
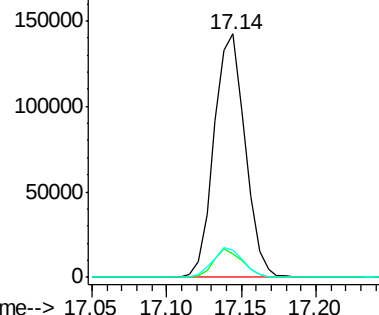
80 11.4 9.4 14.0



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



#20

4-Bromophenyl-phenylether

Concen: 3.20 ng

RT: 16.34 min Scan# 2340

Delta R.T. 0.01 min

Lab File: BE091716.D

Acq: 26 Apr 2016 22:30

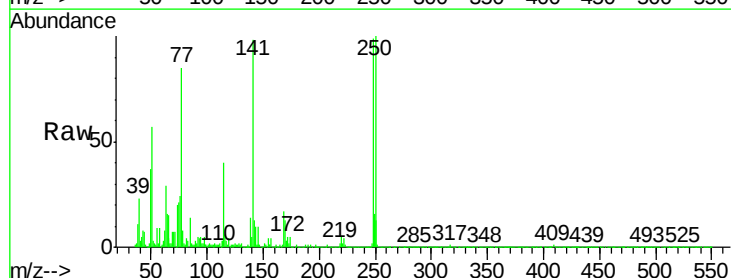
Tgt Ion:248 Resp: 23646

Ion Ratio Lower Upper

248 100

250 97.0 80.5 120.7

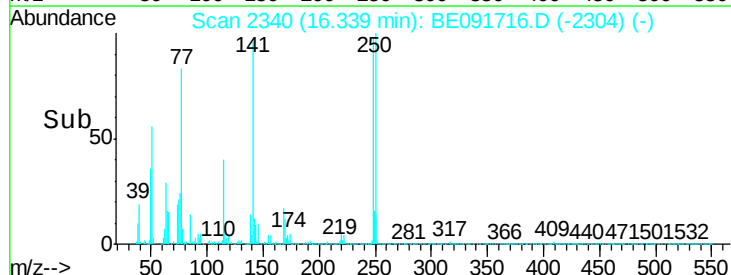
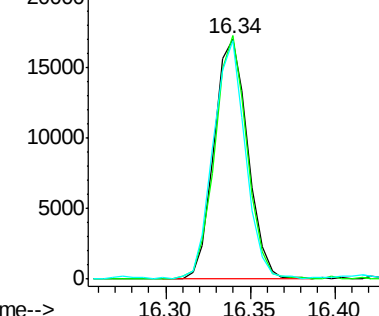
141 94.6 72.0 108.0

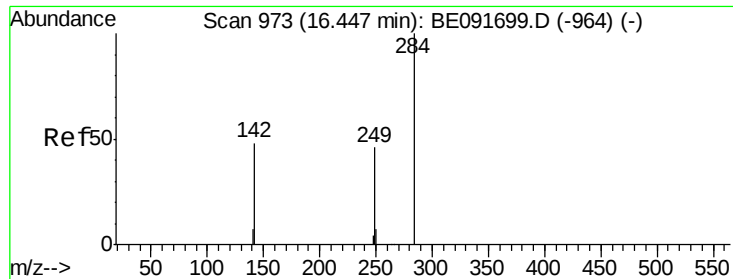


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

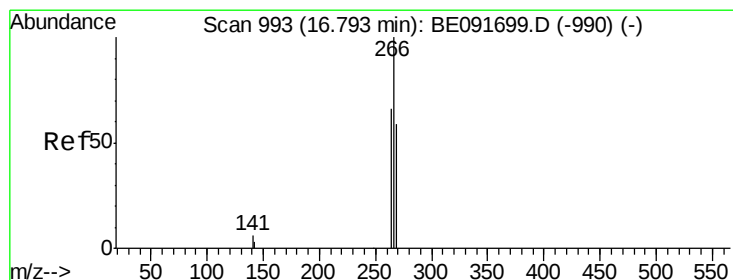
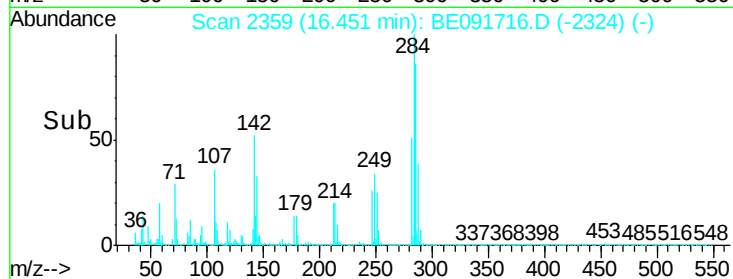
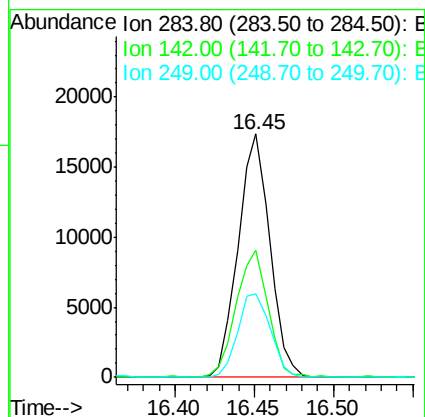
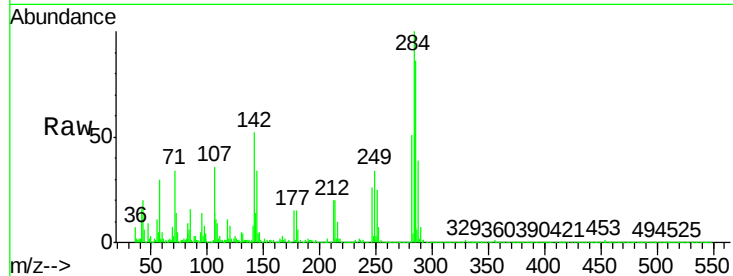




#21
Hexachlorobenzene
Concen: 3.26 ng
RT: 16.45 min Scan# 2359
Delta R.T. 0.00 min
Lab File: BE091716.D
Acq: 26 Apr 2016 22:30

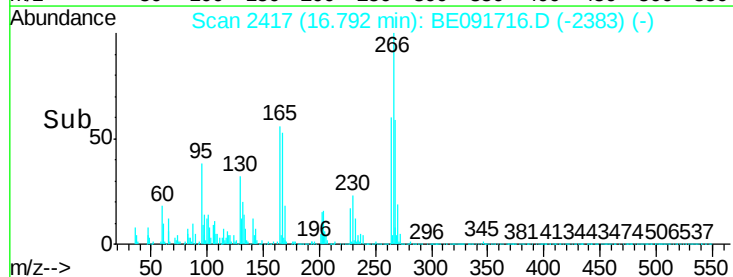
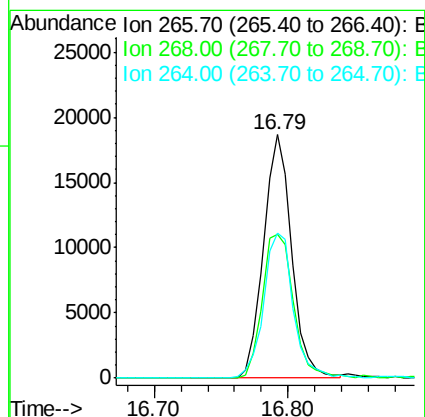
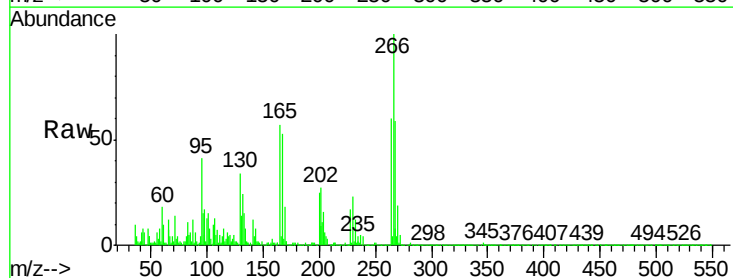
Instrument :
BNA_E
ClientSampleId :
CEDAR-HILL-TF-PS-001MS

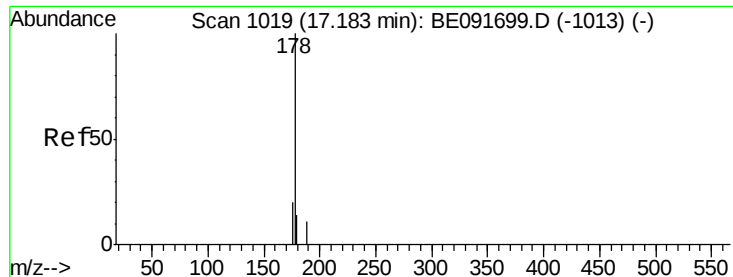
Tgt Ion: 284 Resp: 24062
Ion Ratio Lower Upper
284 100
142 52.8 32.2 48.2#
249 35.6 25.4 38.2



#22
Pentachlorophenol
Concen: 6.82 ng
RT: 16.79 min Scan# 2417
Delta R.T. -0.00 min
Lab File: BE091716.D
Acq: 26 Apr 2016 22:30

Tgt Ion: 266 Resp: 27157
Ion Ratio Lower Upper
266 100
268 59.0 58.2 87.2
264 59.7 56.2 84.4





#23

Phenanthrene

Concen: 3.30 ng

RT: 17.19 min Scan# 2484

Delta R.T. 0.00 min

Lab File: BE091716.D

Acq: 26 Apr 2016 22:30

Instrument :

BNA_E

ClientSampleId :

CEDAR-HILL-TF-PS-001MS

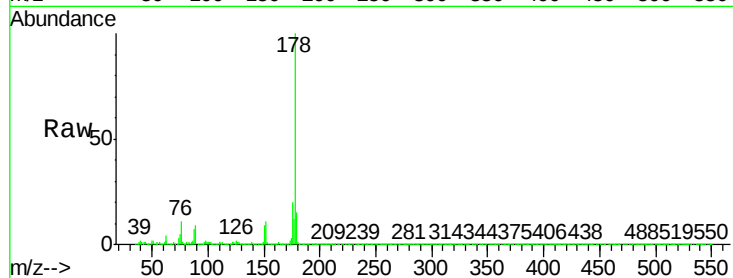
Tgt Ion:178 Resp: 153798

Ion Ratio Lower Upper

178 100

176 20.2 15.3 22.9

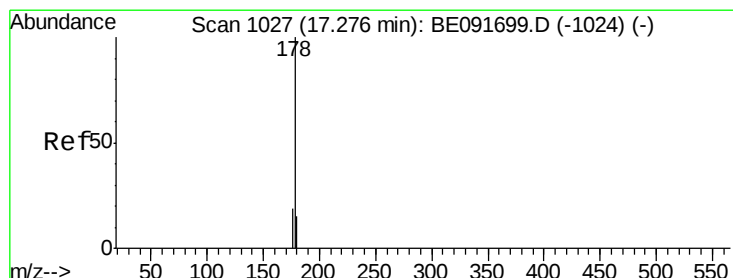
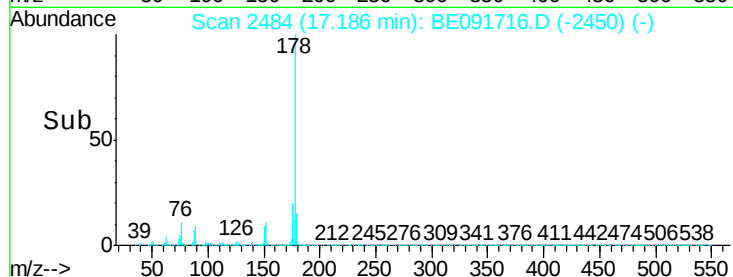
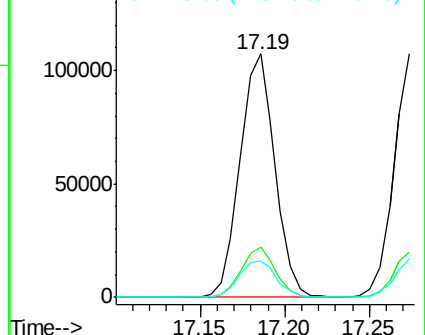
179 16.2 12.6 18.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 3.62 ng

RT: 17.27 min Scan# 2499

Delta R.T. -0.00 min

Lab File: BE091716.D

Acq: 26 Apr 2016 22:30

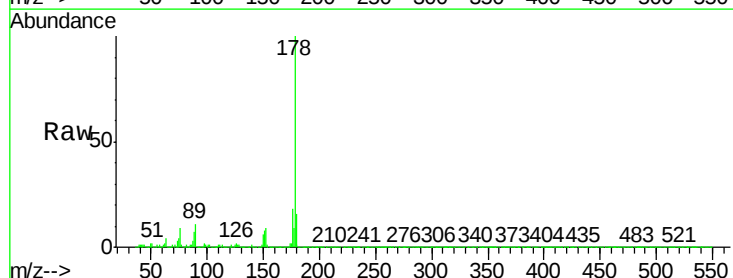
Tgt Ion:178 Resp: 152074

Ion Ratio Lower Upper

178 100

176 18.5 14.6 21.8

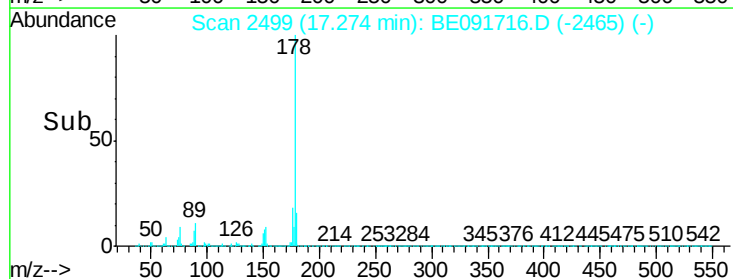
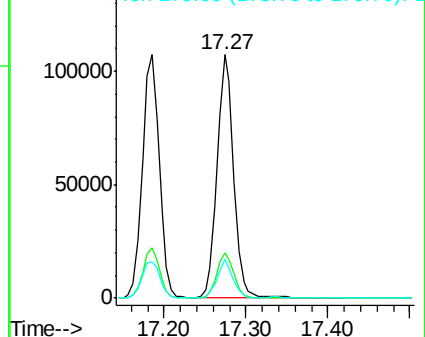
179 14.7 11.8 17.6

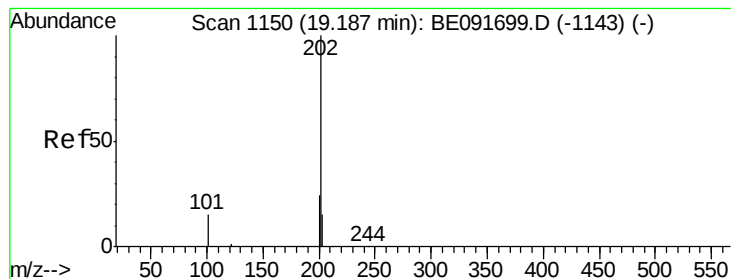


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene

Concen: 3.63 ng

RT: 19.19 min Scan# 2826

Delta R.T. 0.01 min

Lab File: BE091716.D

Acq: 26 Apr 2016 22:30

Instrument :

BNA_E

ClientSampleId :

CEDAR-HILL-TF-PS-001MS

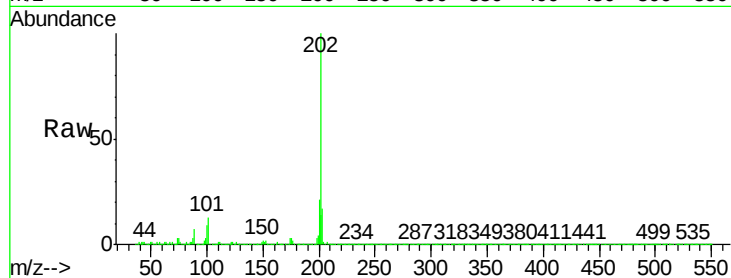
Tgt Ion:202 Resp: 177040

Ion Ratio Lower Upper

202 100

101 13.8 11.0 16.6

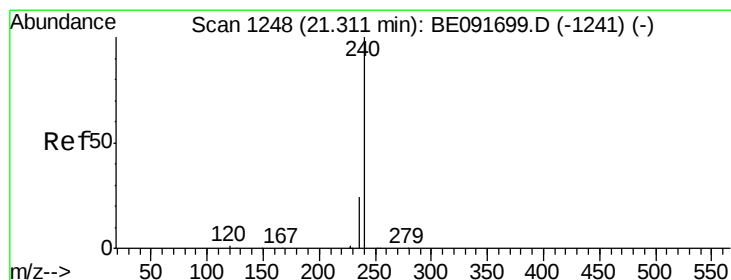
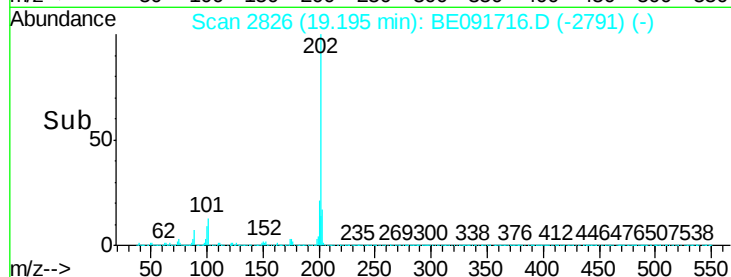
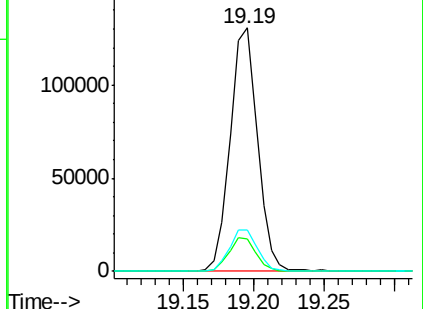
203 17.5 13.9 20.9



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



#26

Chrysene-d12

Concen: 5.00 ng

RT: 21.30 min Scan# 3185

Delta R.T. -0.01 min

Lab File: BE091716.D

Acq: 26 Apr 2016 22:30

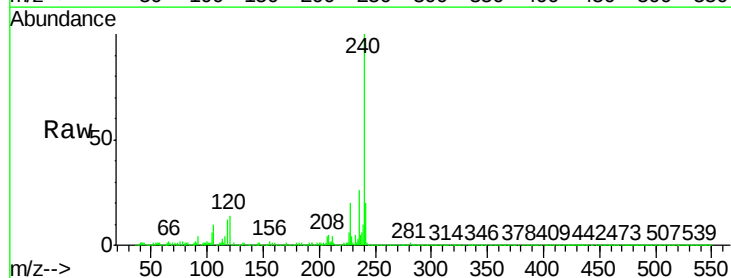
Tgt Ion:240 Resp: 240032

Ion Ratio Lower Upper

240 100

120 14.3 11.0 16.4

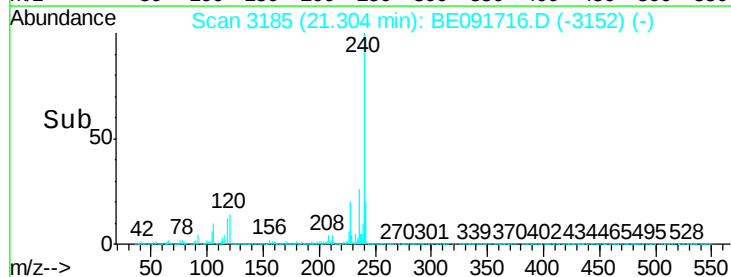
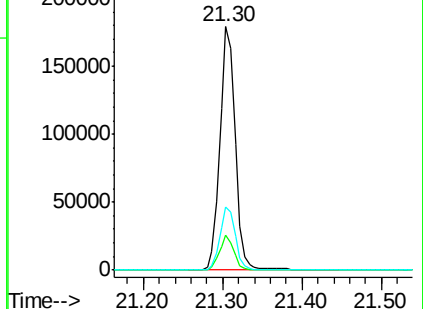
236 26.1 21.7 32.5

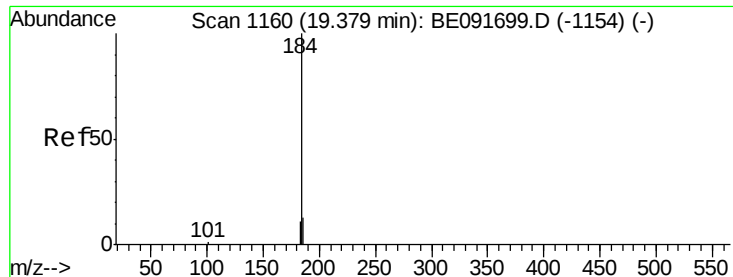


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Benzidine

Concen: 0.86 ng

RT: 19.38 min Scan# 2858

Delta R.T. 0.00 min

Lab File: BE091716.D

Acq: 26 Apr 2016 22:30

Instrument :

BNA_E

ClientSampleId :

CEDAR-HILL-TF-PS-001MS

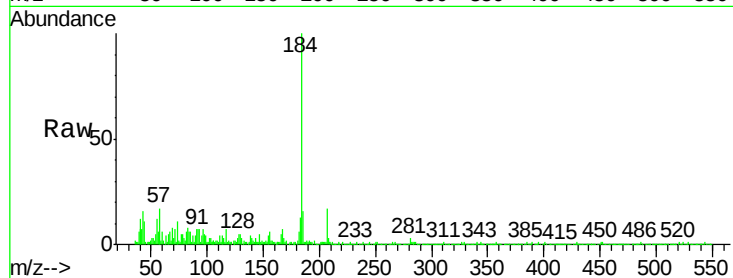
Tgt Ion:184 Resp: 13642

Ion Ratio Lower Upper

184 100

185 15.9 22.3 33.5#

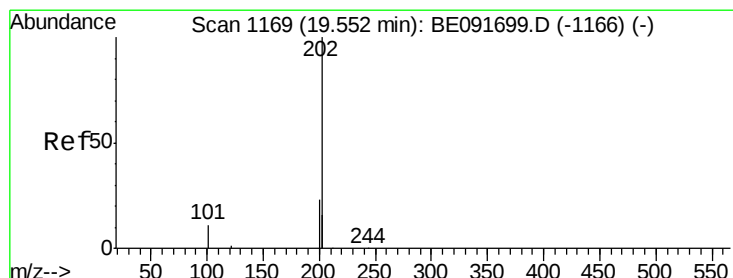
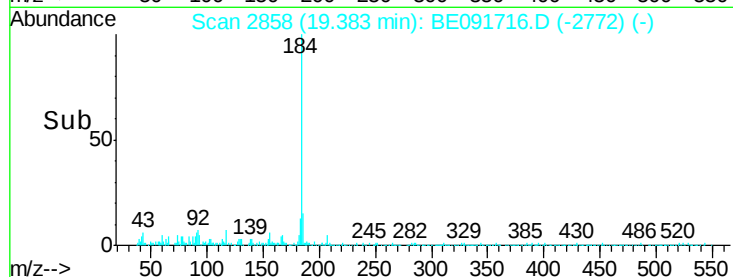
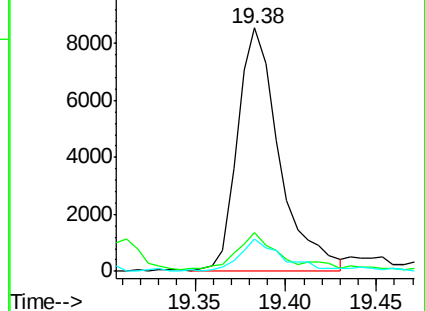
183 13.1 16.4 24.6#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#28

Pyrene

Concen: 3.45 ng

RT: 19.55 min Scan# 2887

Delta R.T. 0.00 min

Lab File: BE091716.D

Acq: 26 Apr 2016 22:30

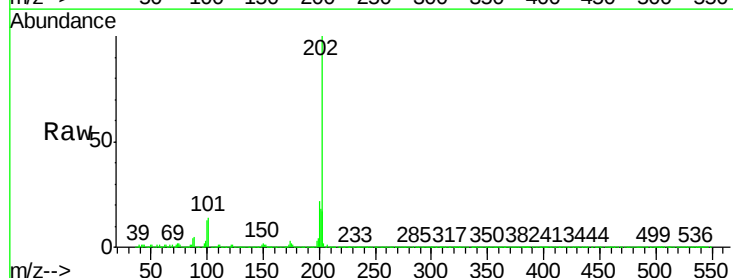
Tgt Ion:202 Resp: 187294

Ion Ratio Lower Upper

202 100

200 22.3 16.8 25.2

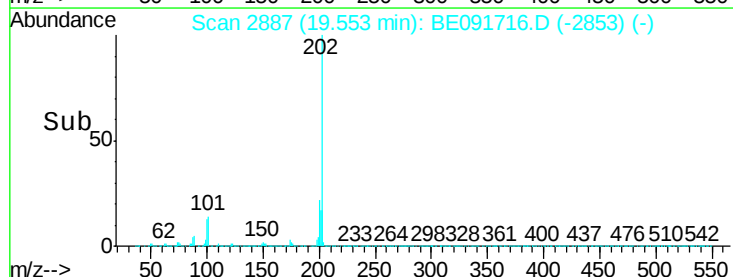
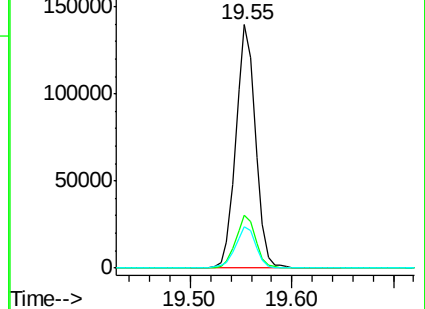
203 18.2 14.0 21.0

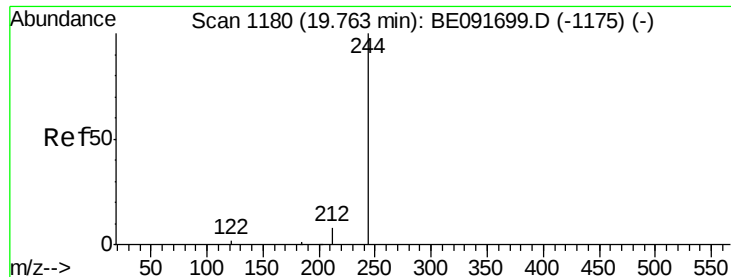


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

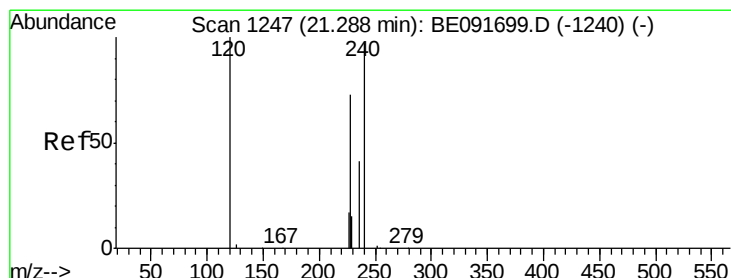
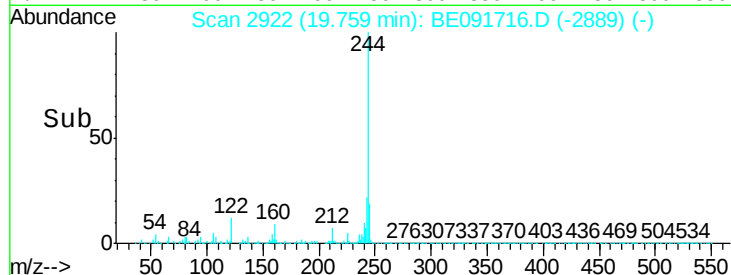
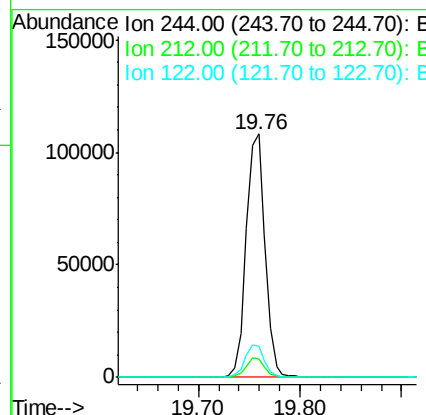
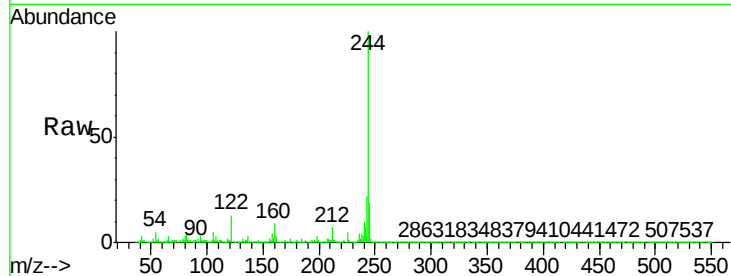




#29
 Terphenyl-d14
 Concen: 3.74 ng
 RT: 19.76 min Scan# 2922
 Delta R.T. -0.00 min
 Lab File: BE091716.D
 Acq: 26 Apr 2016 22:30

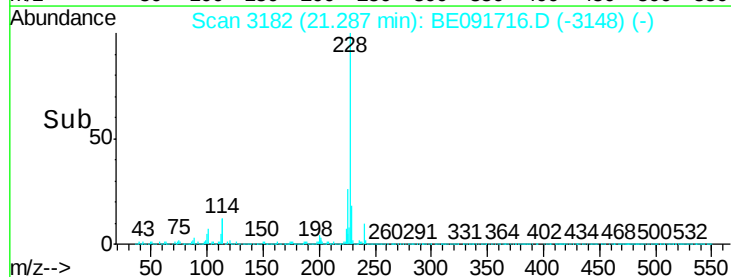
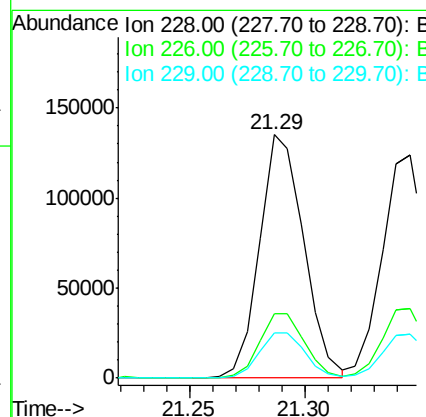
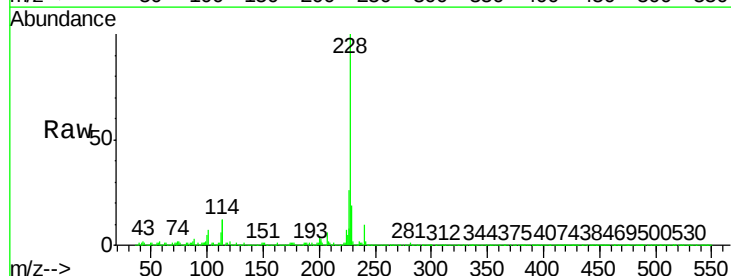
Instrument :
 BNA_E
 ClientSampleId :
 CEDAR-HILL-TF-PS-001MS

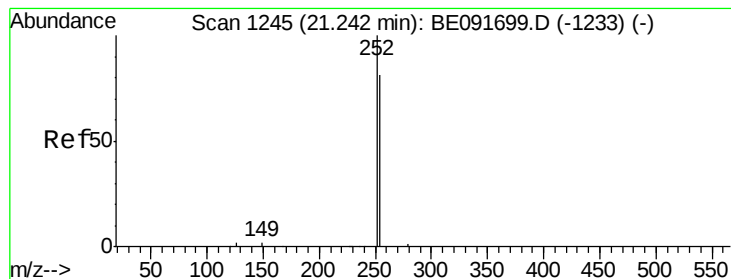
Tgt Ion:244 Resp: 139812
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.9 10.3
 122 12.6 11.0 16.4



#30
 Benzo(a)anthracene
 Concen: 3.07 ng
 RT: 21.29 min Scan# 3182
 Delta R.T. -0.00 min
 Lab File: BE091716.D
 Acq: 26 Apr 2016 22:30

Tgt Ion:228 Resp: 180053
 Ion Ratio Lower Upper
 228 100
 226 26.3 21.0 31.4
 229 18.5 15.7 23.5





#31

3,3'-Dichlorobenzidine

Concen: 1.10 ng

RT: 21.23 min Scan# 3172

Delta R.T. -0.01 min

Lab File: BE091716.D

Acq: 26 Apr 2016 22:30

Instrument :

BNA_E

ClientSampleId :

CEDAR-HILL-TF-PS-001MS

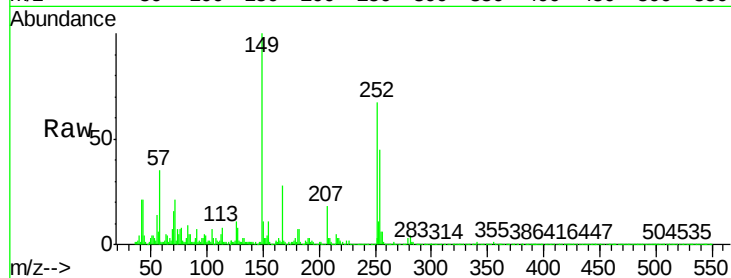
Tgt Ion: 252 Resp: 33036

Ion Ratio Lower Upper

252 100

254 67.2 51.1 76.7

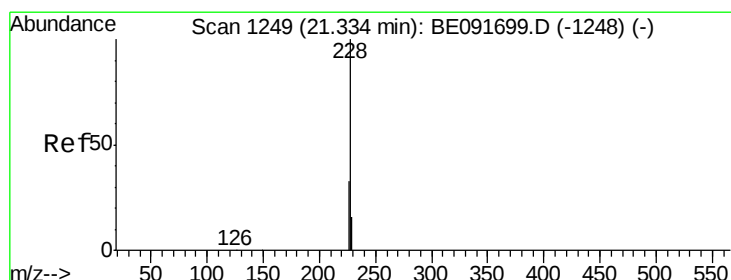
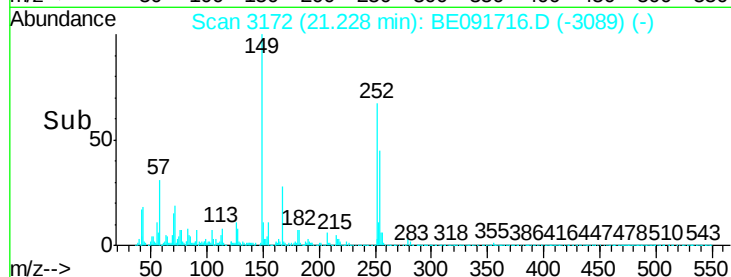
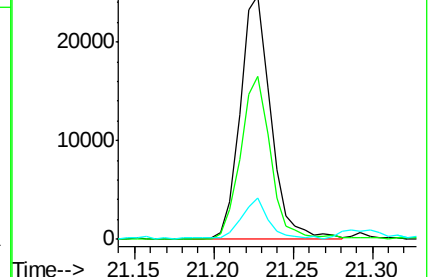
126 16.8 12.6 18.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#32

Chrysene

Concen: 2.84 ng

RT: 21.35 min Scan# 3192

Delta R.T. 0.01 min

Lab File: BE091716.D

Acq: 26 Apr 2016 22:30

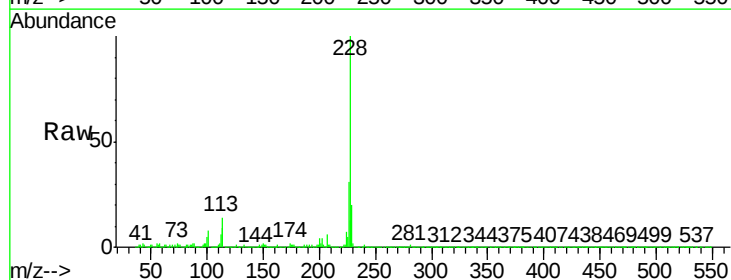
Tgt Ion: 228 Resp: 173322

Ion Ratio Lower Upper

228 100

226 31.1 24.0 36.0

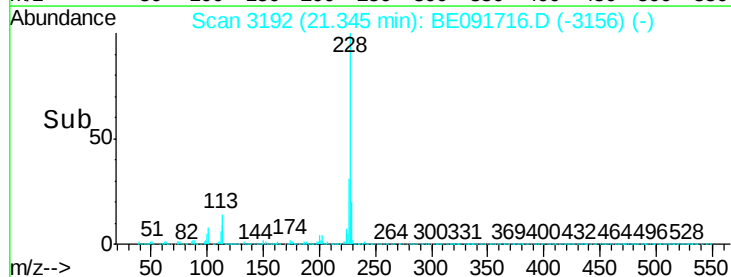
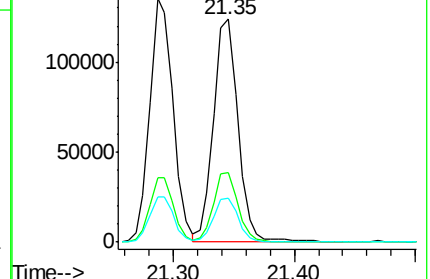
229 19.5 15.9 23.9

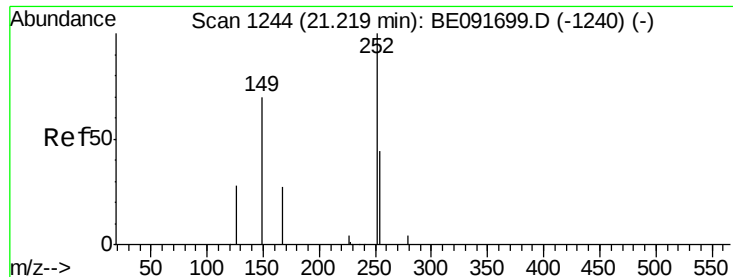


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

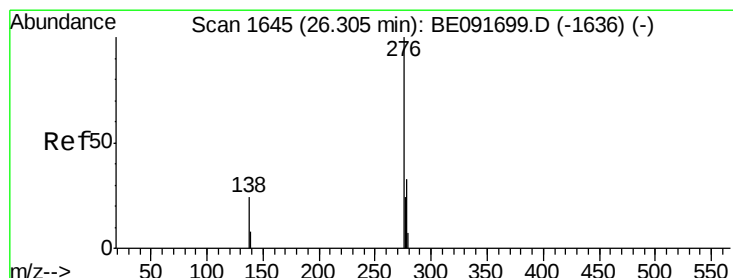
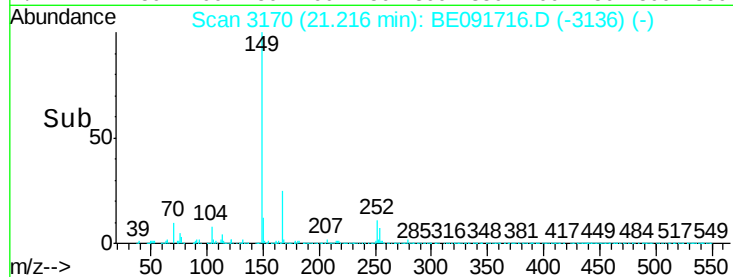
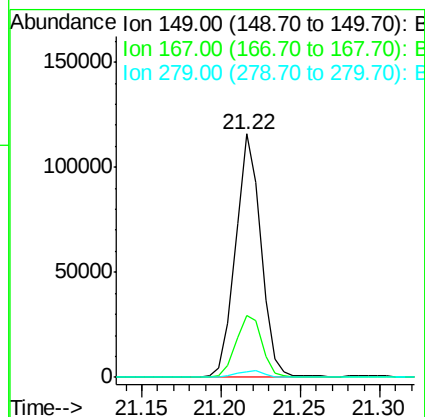
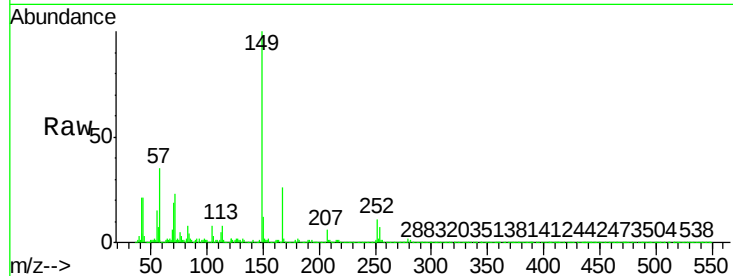




#33
 Bis(2-ethylhexyl)phthalate
 Concen: 7.21 ng
 RT: 21.22 min Scan# 3170
 Delta R.T. -0.00 min
 Lab File: BE091716.D
 Acq: 26 Apr 2016 22:30

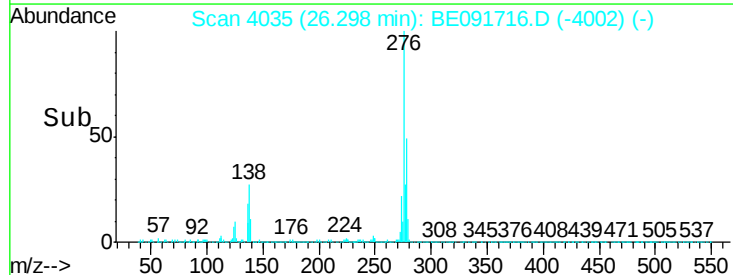
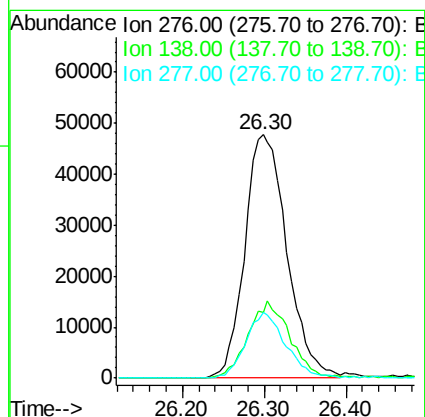
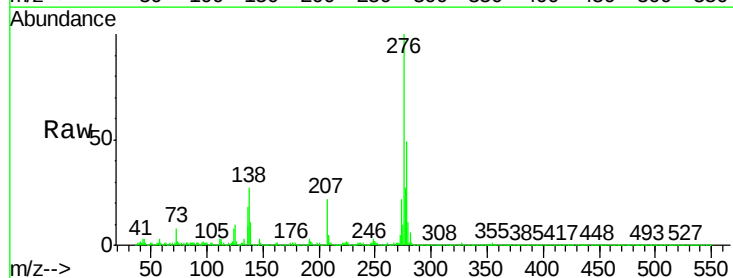
Instrument :
 BNA_E
 ClientSampleId :
 CEDAR-HILL-TF-PS-001MS

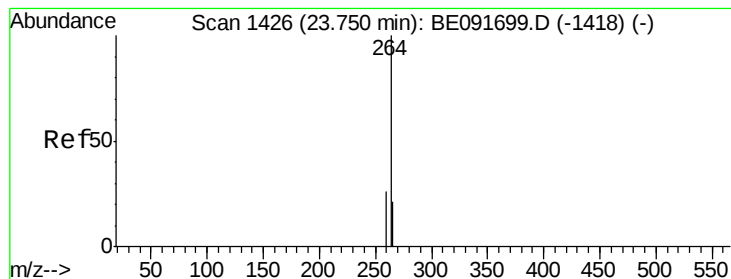
Tgt Ion: 149 Resp: 128020
 Ion Ratio Lower Upper
 149 100
 167 26.5 19.5 29.3
 279 2.8 10.0 15.0#



#34
 Indeno(1,2,3-cd)pyrene
 Concen: 3.15 ng
 RT: 26.30 min Scan# 4035
 Delta R.T. -0.01 min
 Lab File: BE091716.D
 Acq: 26 Apr 2016 22:30

Tgt Ion: 276 Resp: 170724
 Ion Ratio Lower Upper
 276 100
 138 30.9 23.4 35.2
 277 25.6 19.8 29.8





#35

Perylene-d12

Concen: 5.00 ng

RT: 23.75 min Scan# 3601

Delta R.T. -0.00 min

Lab File: BE091716.D

Acq: 26 Apr 2016 22:30

Instrument :

BNA_E

ClientSampleId :

CEDAR-HILL-TF-PS-001MS

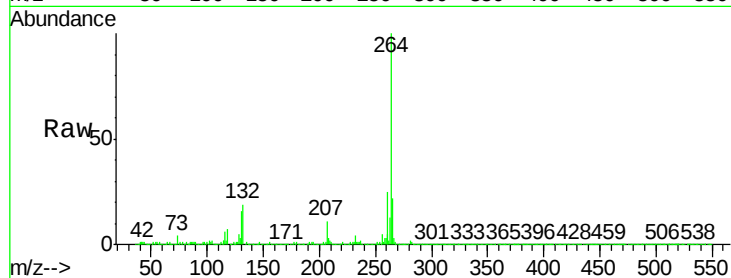
Tgt Ion: 264 Resp: 219959

Ion Ratio Lower Upper

264 100

260 24.8 20.0 30.0

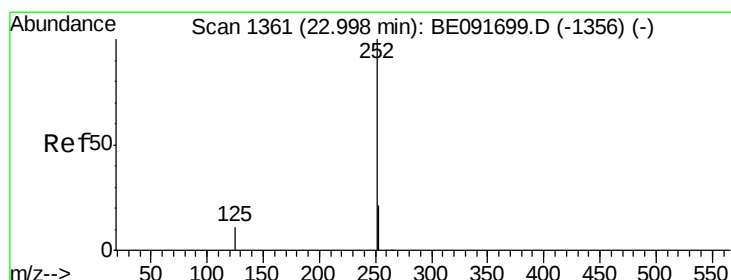
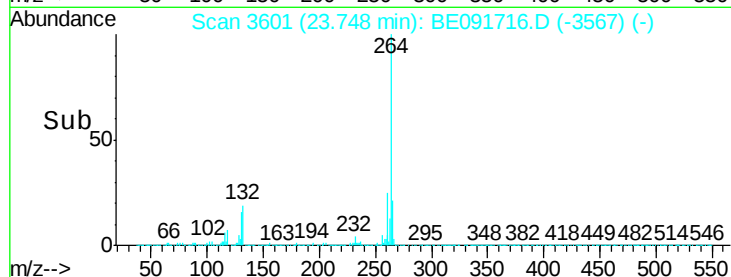
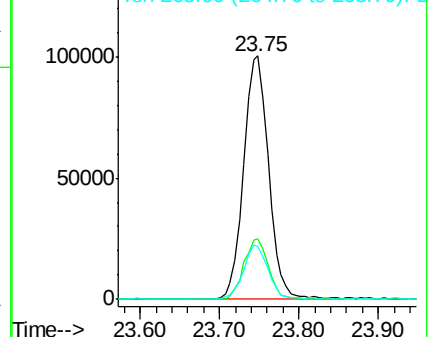
265 21.7 17.5 26.3



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



#36

Benzo(b)fluoranthene

Concen: 3.24 ng

RT: 23.00 min Scan# 3473

Delta R.T. -0.00 min

Lab File: BE091716.D

Acq: 26 Apr 2016 22:30

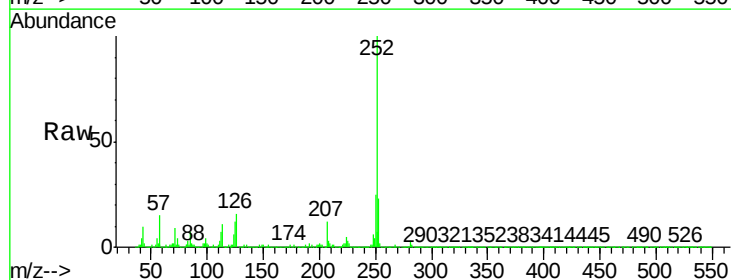
Tgt Ion: 252 Resp: 167030

Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.0

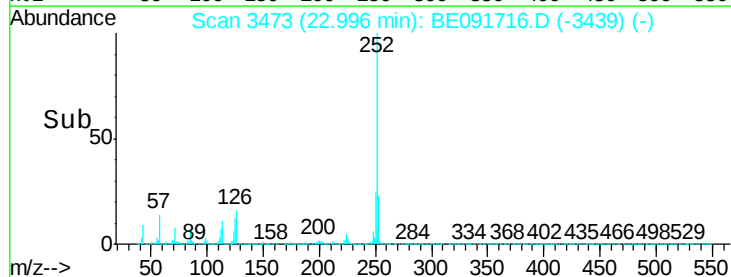
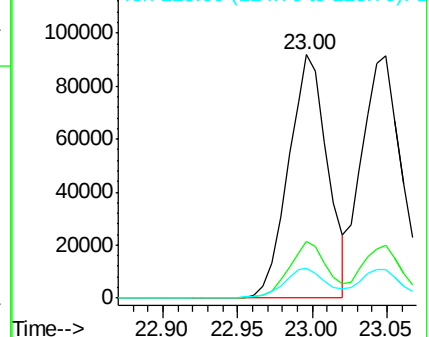
125 12.4 10.2 15.2

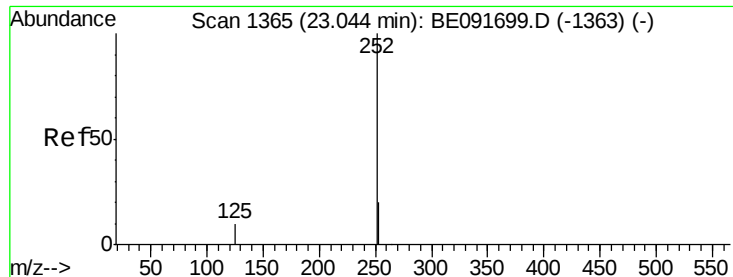


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(k)fluoranthene

Concen: 3.28 ng

RT: 23.05 min Scan# 3482

Delta R.T. 0.01 min

Lab File: BE091716.D

Acq: 26 Apr 2016 22:30

Instrument :

BNA_E

ClientSampleId :

CEDAR-HILL-TF-PS-001MS

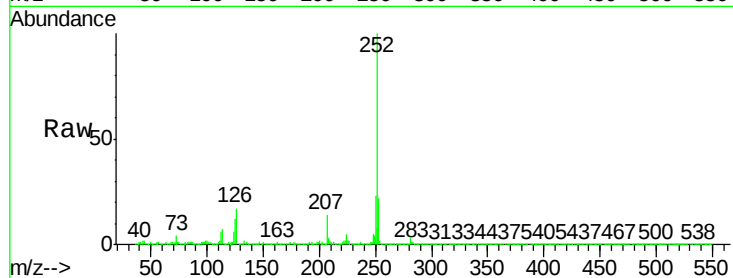
Tgt Ion:252 Resp: 172058

Ion Ratio Lower Upper

252 100

253 21.8 17.6 26.4

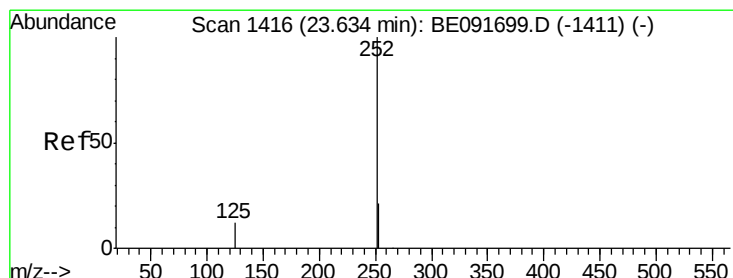
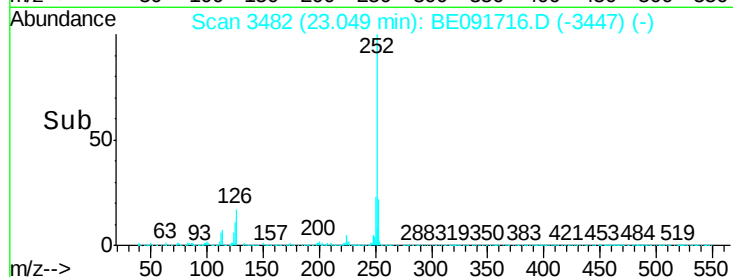
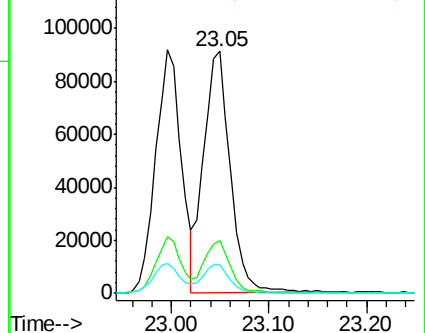
125 11.7 9.9 14.9



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Benzo(a)pyrene

Concen: 3.31 ng

RT: 23.64 min Scan# 3582

Delta R.T. 0.00 min

Lab File: BE091716.D

Acq: 26 Apr 2016 22:30

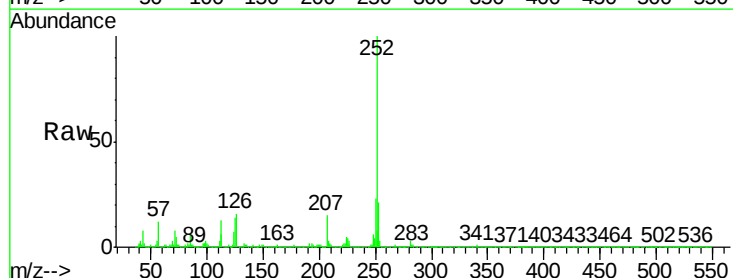
Tgt Ion:252 Resp: 160565

Ion Ratio Lower Upper

252 100

253 20.8 18.1 27.1

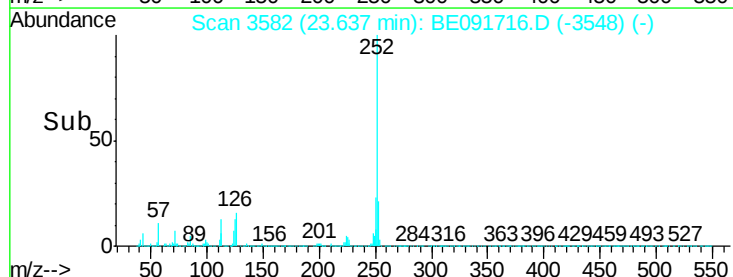
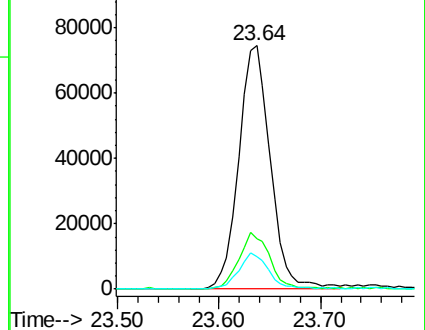
125 13.5 11.0 16.4

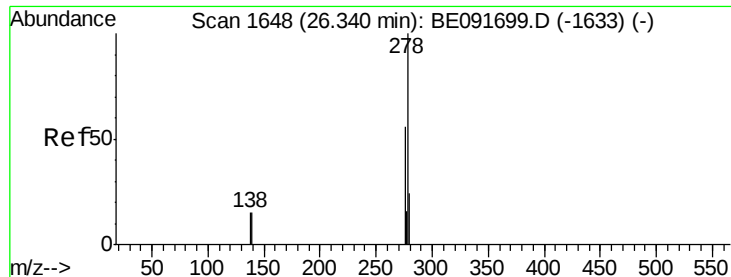


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Dibenzo(a,h)anthracene

Concen: 3.08 ng

RT: 26.32 min Scan# 4039

Delta R.T. -0.02 min

Lab File: BE091716.D

Acq: 26 Apr 2016 22:30

Instrument :

BNA_E

ClientSampleId :

CEDAR-HILL-TF-PS-001MS

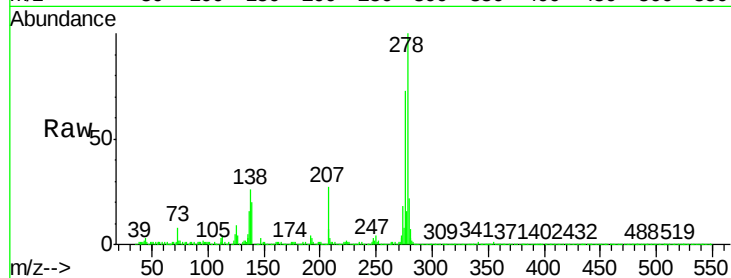
Tgt Ion:278 Resp: 141596

Ion Ratio Lower Upper

278 100

139 19.6 16.0 24.0

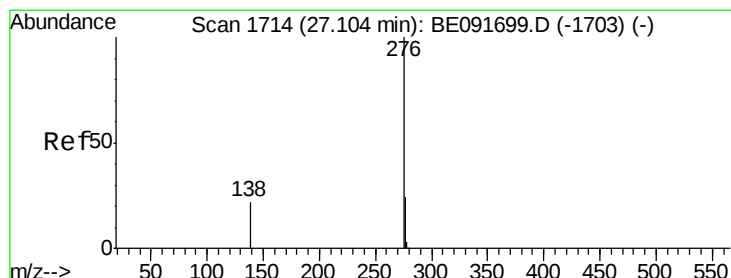
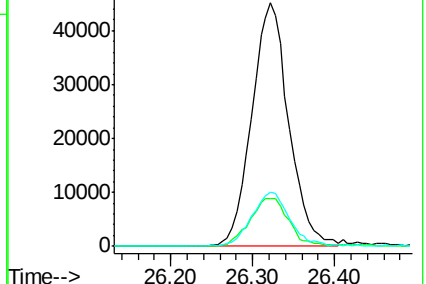
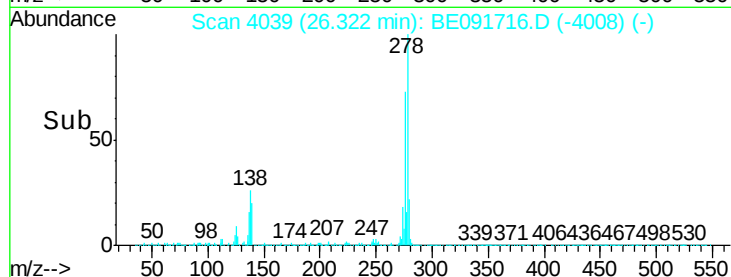
279 22.3 19.4 29.2



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



#40

Benzo(g,h,i)perylene

Concen: 3.09 ng

RT: 27.09 min Scan# 4169

Delta R.T. -0.02 min

Lab File: BE091716.D

Acq: 26 Apr 2016 22:30

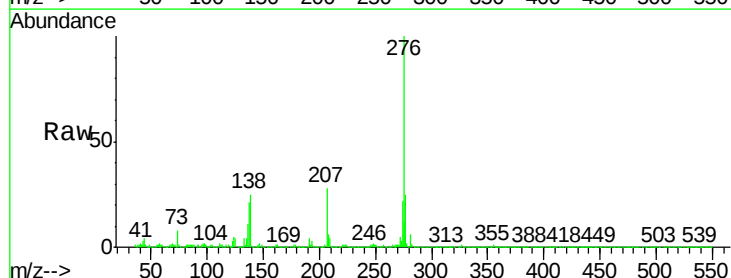
Tgt Ion:276 Resp: 144490

Ion Ratio Lower Upper

276 100

277 24.7 18.6 28.0

138 25.5 20.4 30.6



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

