

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042619\
 Data File : BE099377.D
 Acq On : 26 Apr 2019 14:29
 Operator : JU/SJ
 Sample : K2533-12
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-023-B181-042219

Quant Time: Apr 27 05:05:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE041819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 19 06:51:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	2157	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	8094	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	6030	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	17481	0.40	ng	0.00
27) Chrysene-d12	21.37	240	20734	0.40	ng	0.00
34) Perylene-d12	23.87	264	23692	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.40	112	13450	2.55	ng	0.01
5) Phenol-d6	6.98	99	18817	2.50	ng	0.00
8) Nitrobenzene-d5	8.96	82	16787	2.67	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	8077	0.57	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	8131	4.06	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	47035	1.98	ng	0.00
25) Fluoranthene-d10	19.22	212	93719	0.45	ng	0.00
29) Terphenyl-d14	19.82	244	98087	2.40	ng	0.00

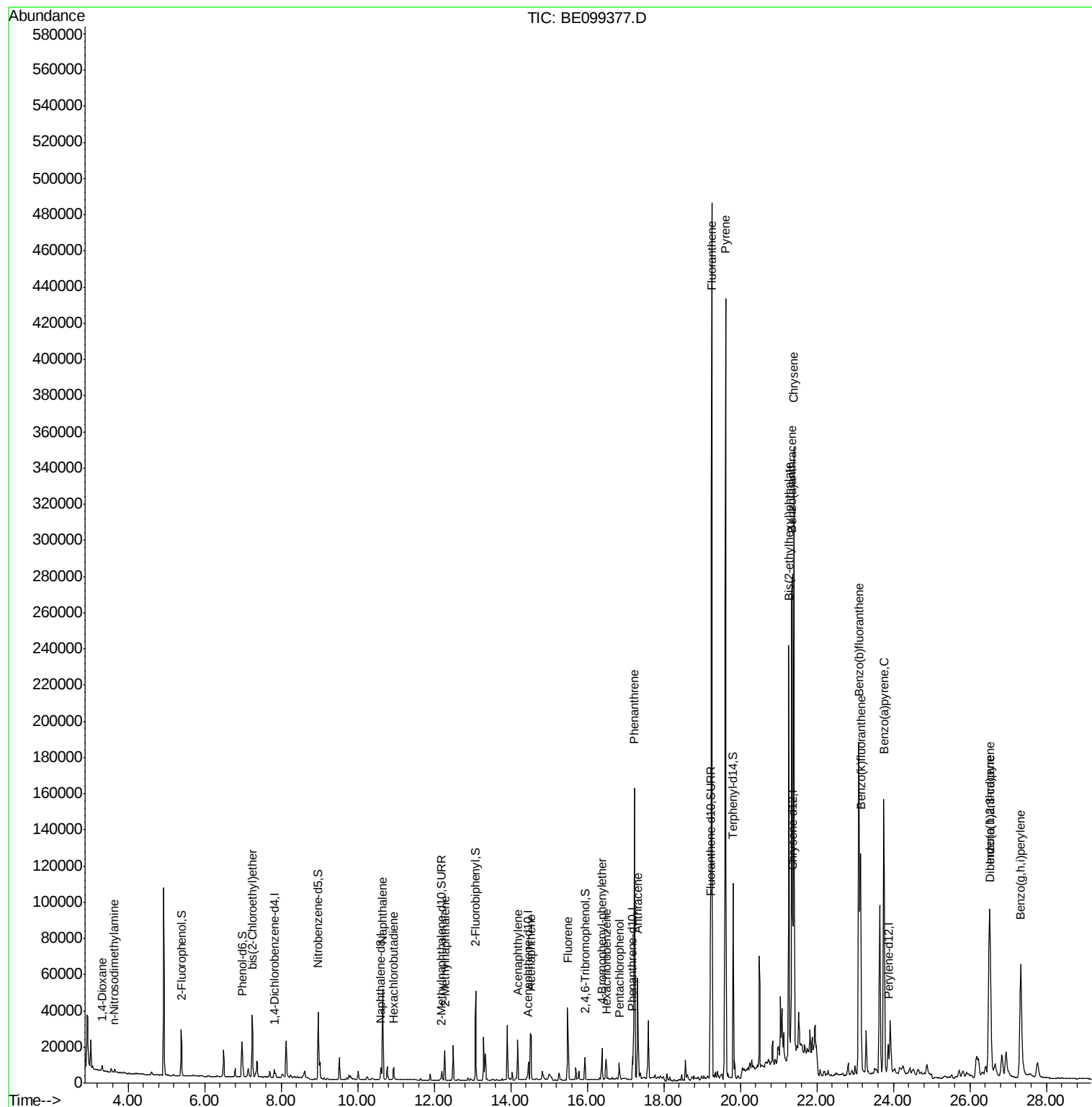
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.32	88	2041	0.676	ng	# 40
3) n-Nitrosodimethylamine	3.64	42	1466	0.902	ng	# 94
6) bis(2-Chloroethyl)ether	7.24	93	36392	5.186	ng	# 1
9) Naphthalene	10.65	128	77432	0.877	ng	99
10) Hexachlorobutadiene	10.94	225	5008	0.893	ng	98
12) 2-Methylnaphthalene	12.28	142	13176	0.877	ng	96
16) Acenaphthylene	14.18	152	26641	0.977	ng	99
17) Acenaphthene	14.53	154	15609	0.929	ng	98
18) Fluorene	15.49	166	23469	0.973	ng	100
20) 4-Bromophenyl-phenylether	16.38	248	8084	0.835	ng	96
21) Hexachlorobenzene	16.49	284	7759	0.833	ng	99
22) Pentachlorophenol	16.84	266	4350	1.377	ng	94
23) Phenanthrene	17.23	178	175543	3.792	ng	100
24) Anthracene	17.32	178	56643	1.376	ng	99
26) Fluoranthene	19.25	202	462291	7.461	ng	98
28) Pyrene	19.61	202	406019	6.647	ng	# 94
30) Benzo(a)anthracene	21.35	228	275171	4.514	ng	98
31) Chrysene	21.40	228	304443	4.693	ng	98
32) Bis(2-ethylhexyl)phthalate	21.27	149	240222	4.331	ng	99
33) Indeno(1,2,3-cd)pyrene	26.51	276	186618	2.913	ng	# 95
35) Benzo(b)fluoranthene	23.10	252	331577	4.571	ng	97
36) Benzo(k)fluoranthene	23.14	252	149019	2.061	ng	100
37) Benzo(a)pyrene	23.76	252	240147	3.695	ng	97
38) Dibenzo(a,h)anthracene	26.53	278	83417	1.256	ng	98
39) Benzo(g,h,i)perylene	27.33	276	175329	2.603	ng	97

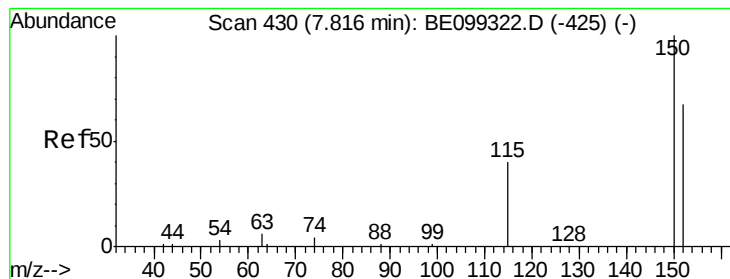
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.82 min Scan# 430

Delta R.T. 0.00 min

Lab File: BE099377.D

Acq: 26 Apr 2019 14:29

Instrument :

BNA_E

ClientSampleId :

PST-023-B181-042219

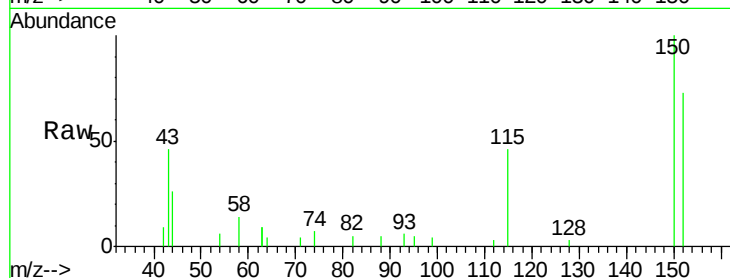
Tot Ion:152 Resp: 2157

Ion Ratio Lower Upper

152 100

150 137.7 119.5 179.3

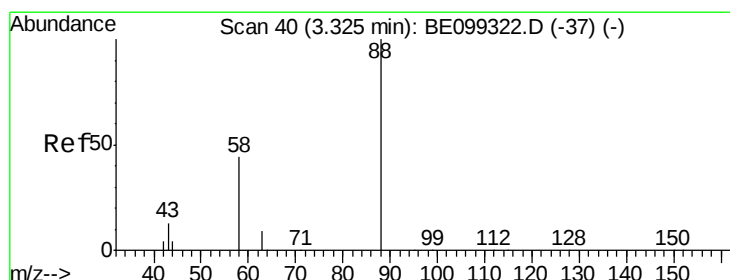
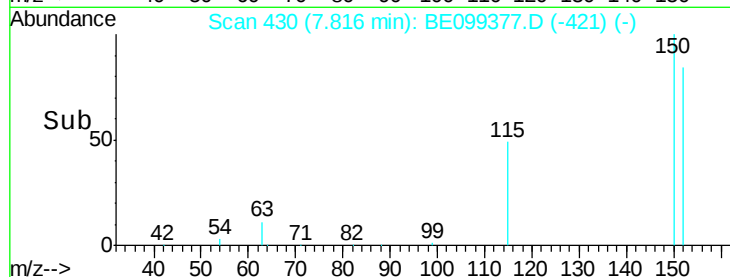
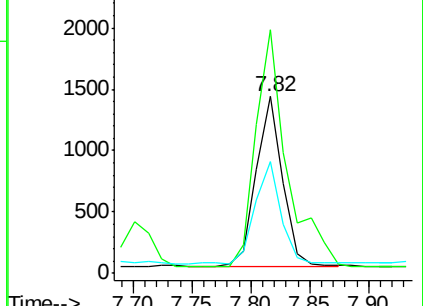
115 63.2 47.5 71.3



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: 0.676 ng

RT: 3.32 min Scan# 40

Delta R.T. 0.00 min

Lab File: BE099377.D

Acq: 26 Apr 2019 14:29

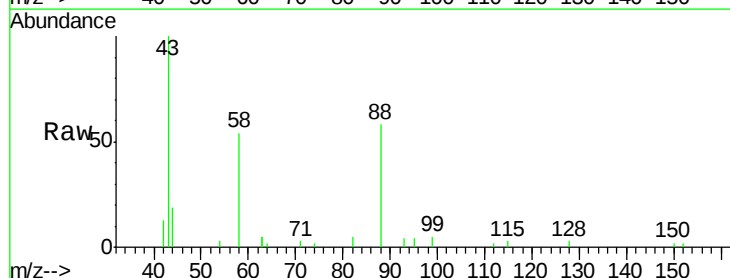
Tgt Ion: 88 Resp: 2041

Ion Ratio Lower Upper

88 100

58 77.8 49.1 73.7#

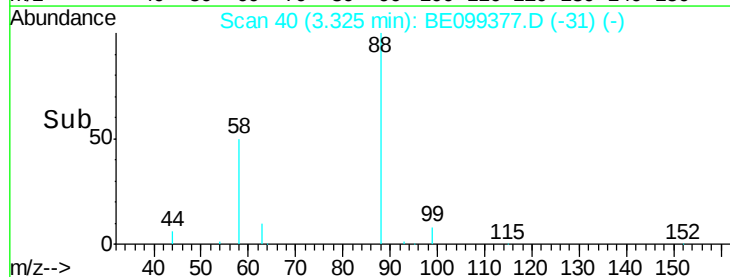
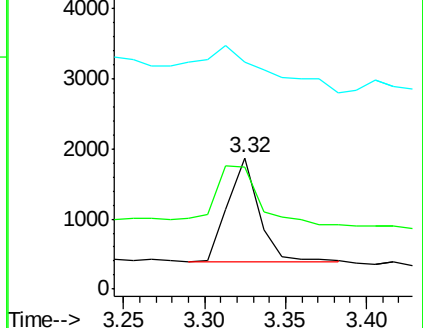
43 101.9 17.9 26.9#

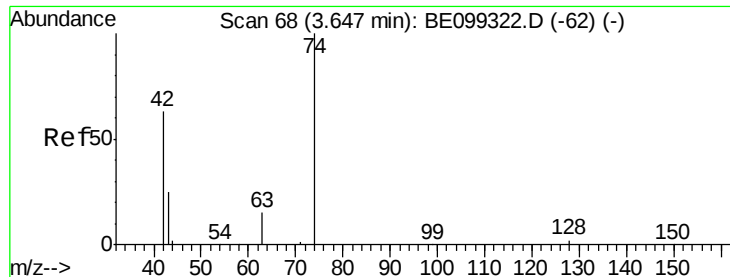


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.902 ng

RT: 3.64 min Scan# 67

Delta R.T. -0.02 min

Lab File: BE099377.D

Acq: 26 Apr 2019 14:29

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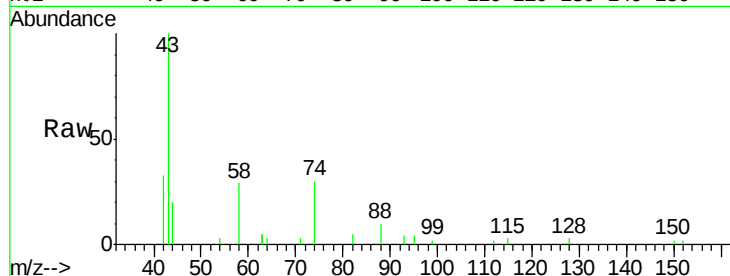
Tot Ion: 42 Resp: 1466

Ion Ratio Lower Upper

42 100

74 174.8 145.8 218.8

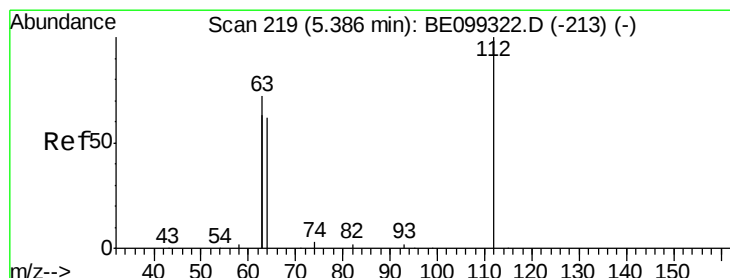
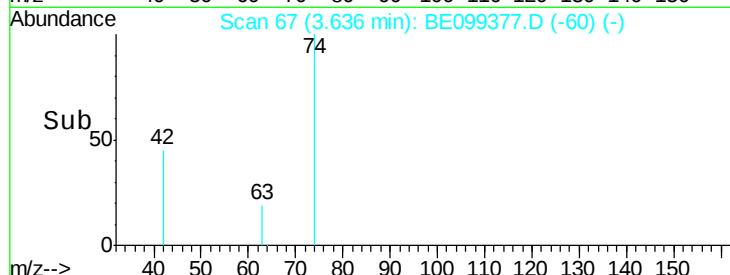
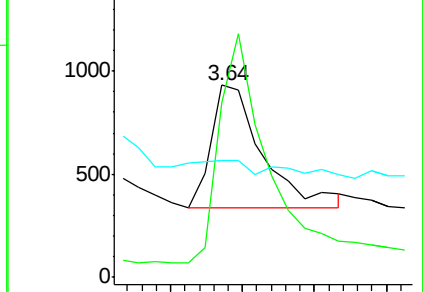
44 17.0 9.0 13.4#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 2.552 ng

RT: 5.40 min Scan# 220

Delta R.T. 0.01 min

Lab File: BE099377.D

Acq: 26 Apr 2019 14:29

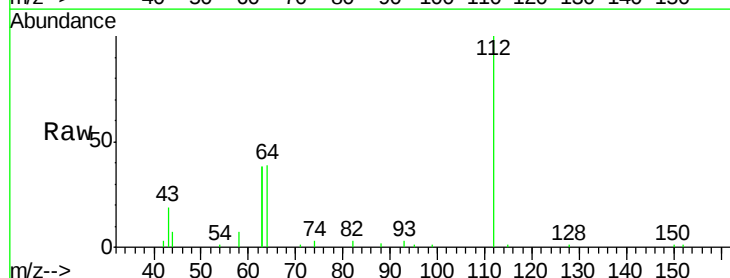
Tgt Ion: 112 Resp: 13450

Ion Ratio Lower Upper

112 100

64 57.6 44.9 67.3

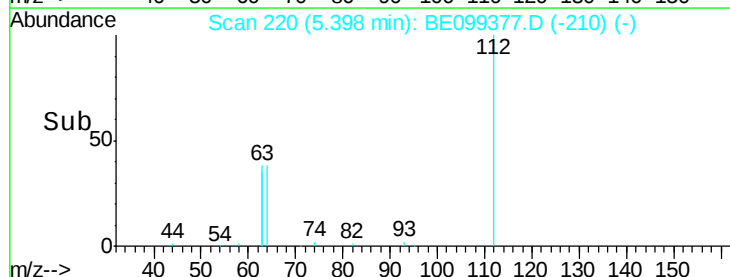
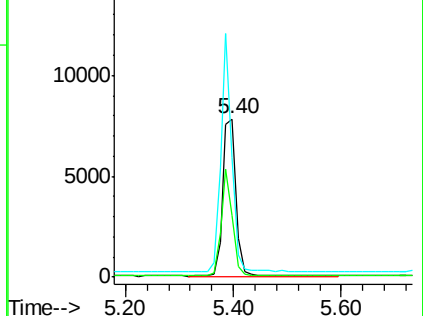
63 125.2 97.4 146.0

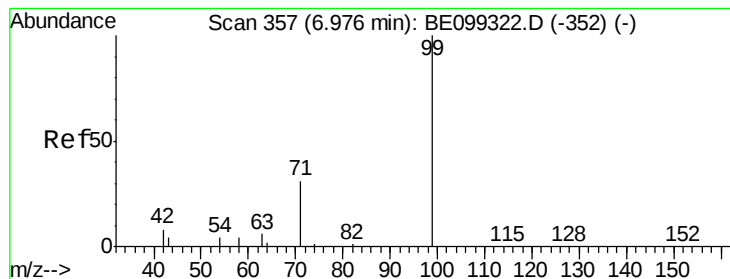


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 2.502 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099377.D

Acq: 26 Apr 2019 14:29

Instrument :

BNA_E

ClientSampleId :

PST-023-B181-042219

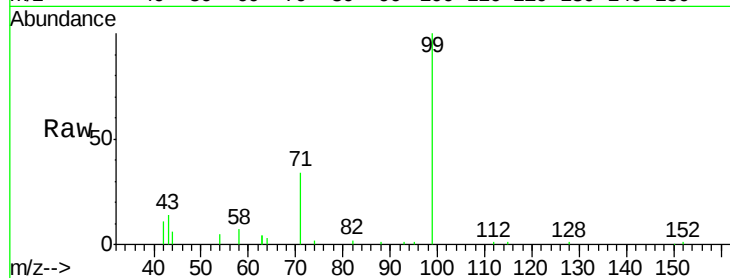
Tot Ion: 99 Resp: 18817

Ion Ratio Lower Upper

99 100

42 15.1 11.7 17.5

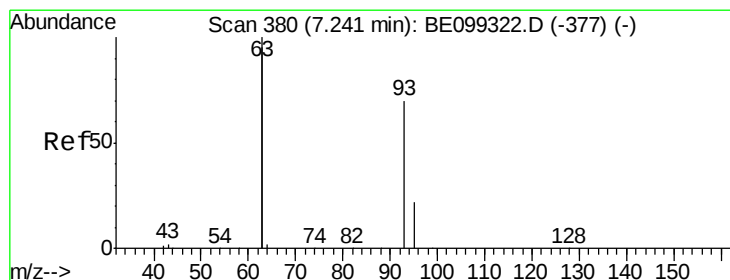
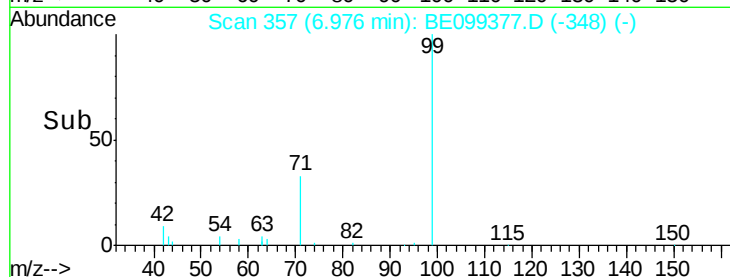
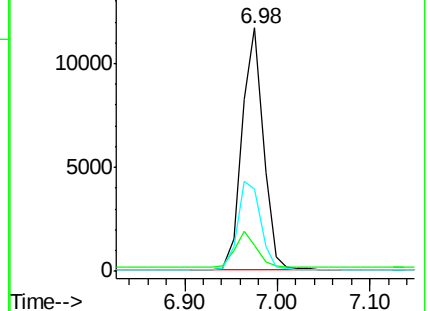
71 39.4 29.6 44.4



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: 5.186 ng

RT: 7.24 min Scan# 380

Delta R.T. 0.00 min

Lab File: BE099377.D

Acq: 26 Apr 2019 14:29

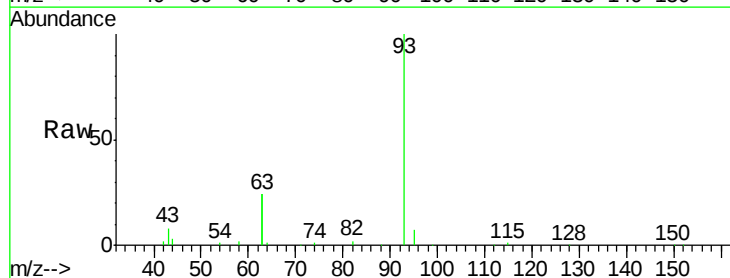
Tgt Ion: 93 Resp: 36392

Ion Ratio Lower Upper

93 100

63 46.4 216.6 324.8#

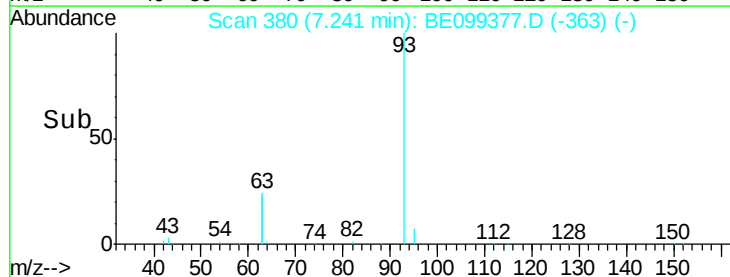
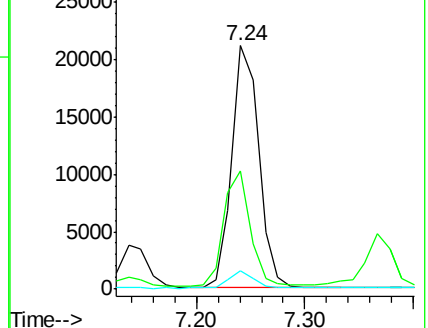
95 6.7 25.8 38.6#

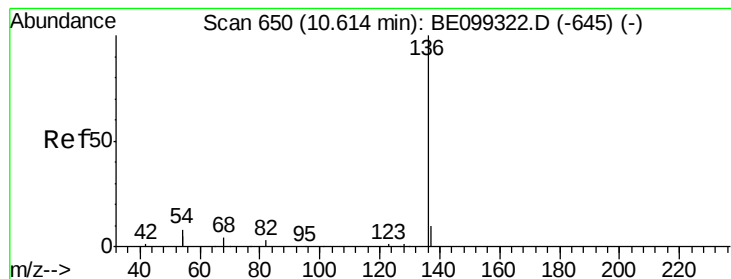


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

Delta R.T. -0.00 min

Lab File: BE099377.D

Acq: 26 Apr 2019 14:29

Instrument :

BNA_E

ClientSampleId :

PST-023-B181-042219

Tot Ion:136 Resp: 8094

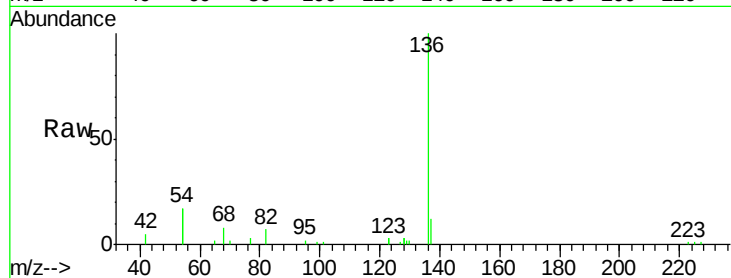
Ion Ratio Lower Upper

136 100

137 11.7 8.7 13.1

54 34.6 23.8 35.8

68 8.3 6.4 9.6

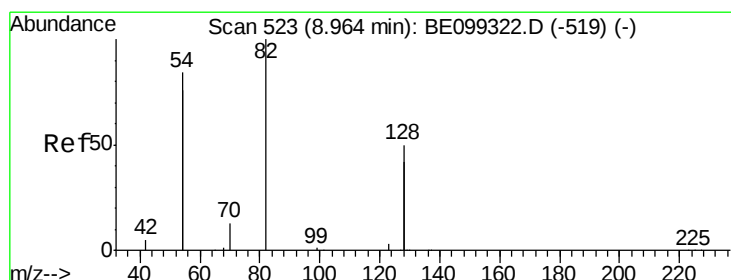
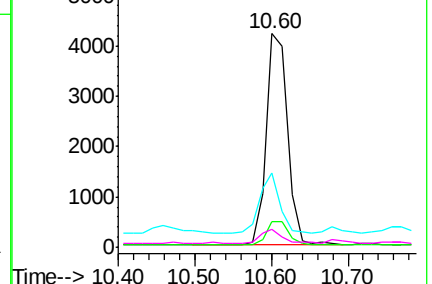
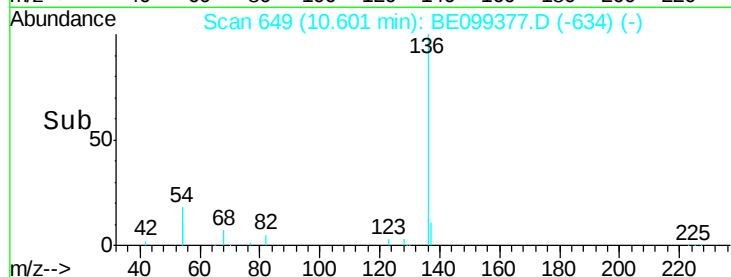


Abundance Ion 136.00 (135.70 to 136.70): E

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: 2.672 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099377.D

Acq: 26 Apr 2019 14:29

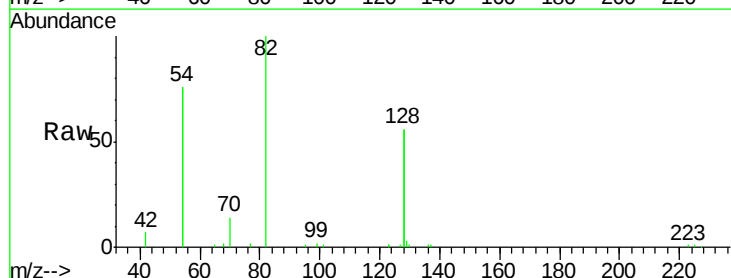
Tgt Ion: 82 Resp: 16787

Ion Ratio Lower Upper

82 100

128 111.5 91.7 137.5

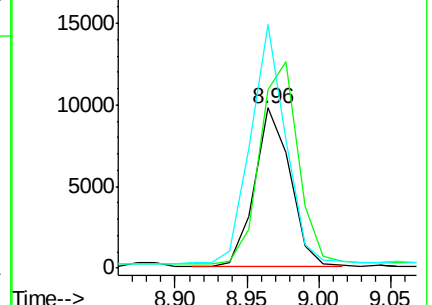
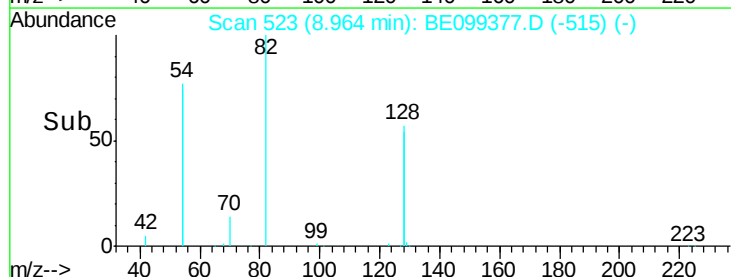
54 152.1 122.8 184.2

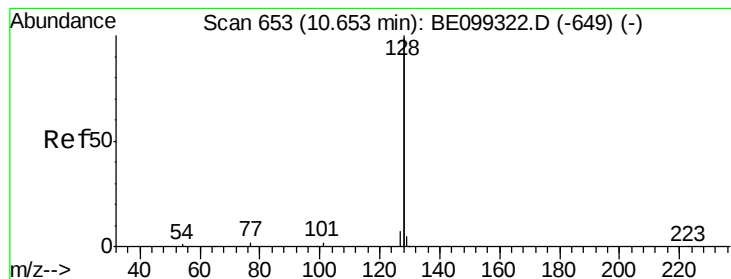


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.877 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BE099377.D

Acq: 26 Apr 2019 14:29

Instrument :

BNA_E

ClientSampleId :

PST-023-B181-042219

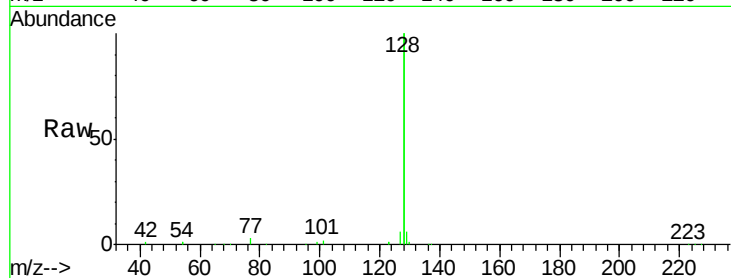
Tot Ion:128 Resp: 77432

Ion Ratio Lower Upper

128 100

129 2.8 2.3 3.5

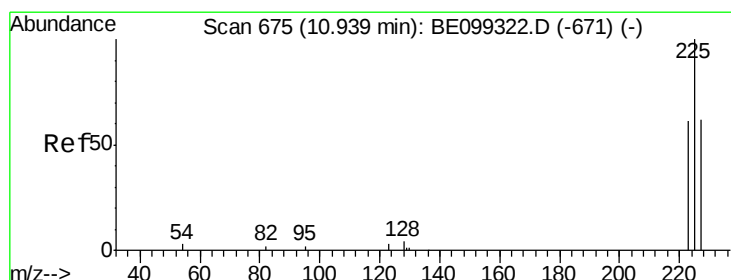
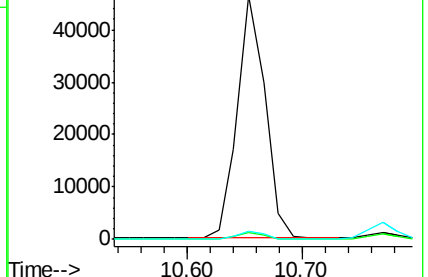
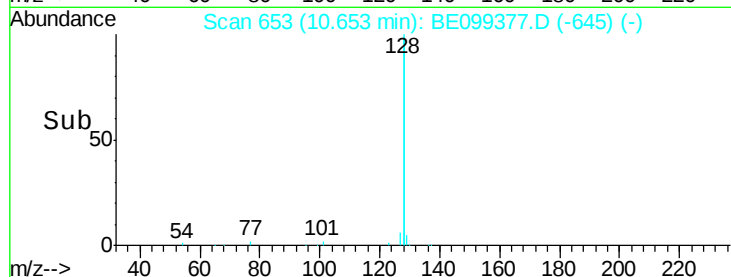
127 3.2 2.8 4.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.893 ng

RT: 10.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: BE099377.D

Acq: 26 Apr 2019 14:29

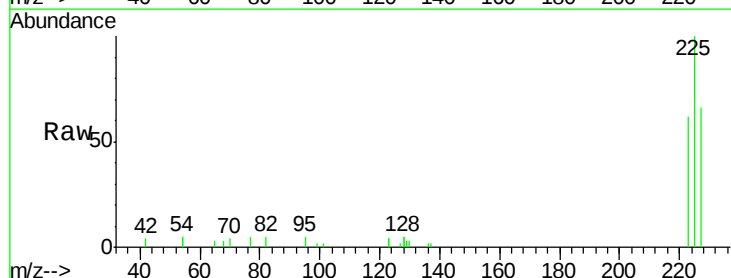
Tgt Ion:225 Resp: 5008

Ion Ratio Lower Upper

225 100

223 62.2 50.3 75.5

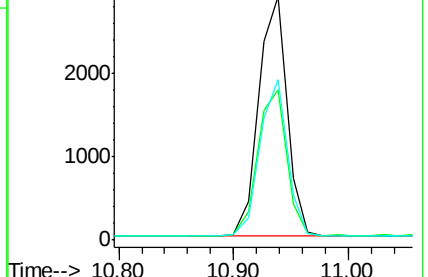
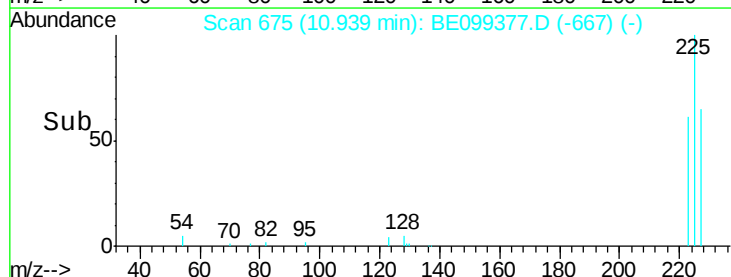
227 63.5 49.4 74.0

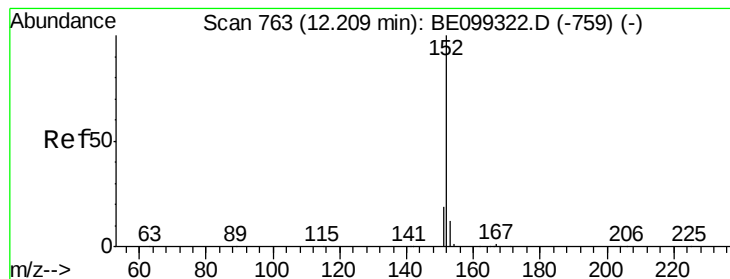


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.565 ng

RT: 12.19 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE099377.D

Acq: 26 Apr 2019 14:29

Instrument :

BNA_E

ClientSampleId :

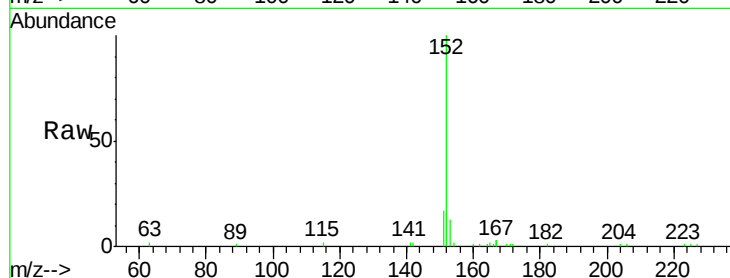
PST-023-B181-042219

Tot Ion:152 Resp: 8077

Ion Ratio Lower Upper

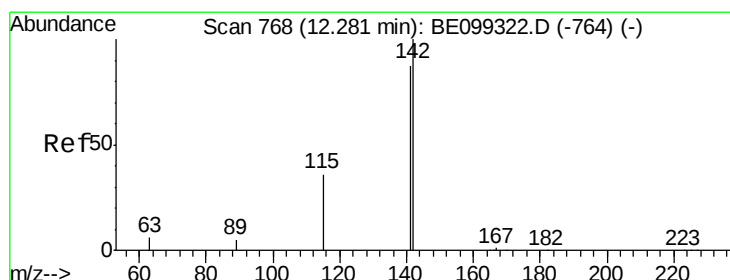
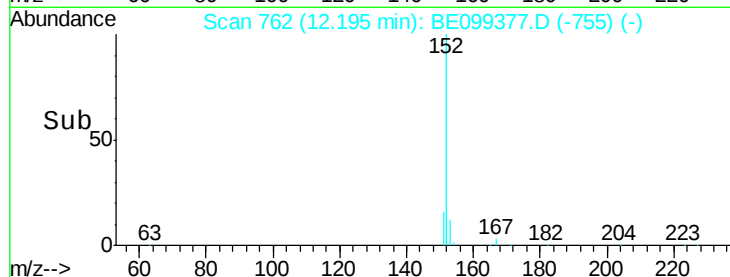
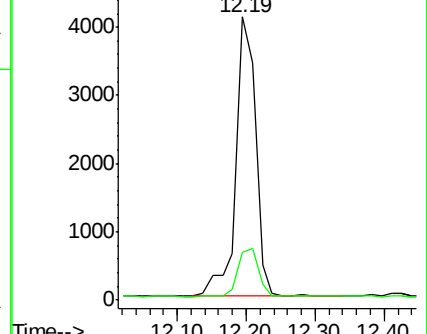
152 100

151 18.0 14.9 22.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.877 ng

RT: 12.28 min Scan# 768

Delta R.T. 0.01 min

Lab File: BE099377.D

Acq: 26 Apr 2019 14:29

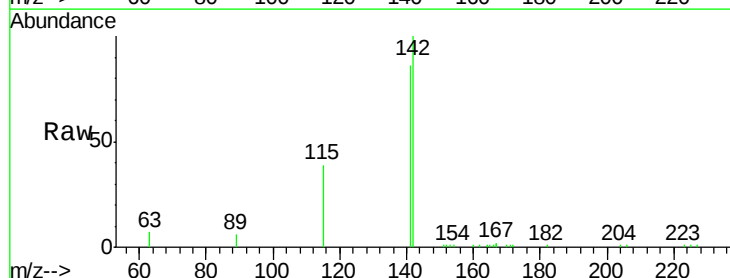
Tgt Ion:142 Resp: 13176

Ion Ratio Lower Upper

142 100

141 86.2 72.0 108.0

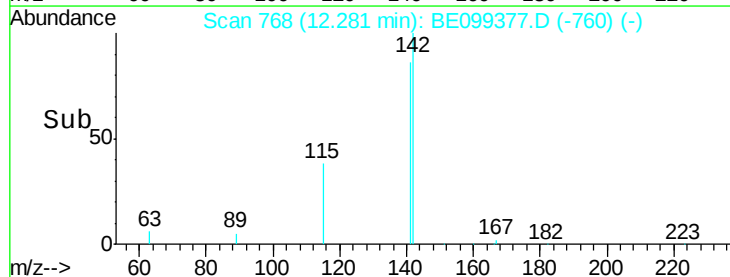
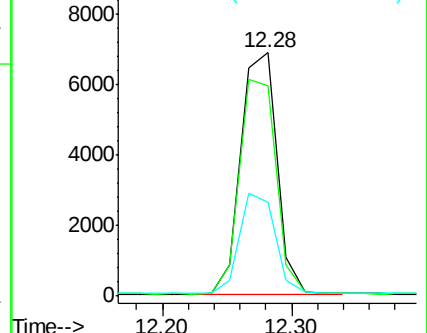
115 38.7 33.4 50.0

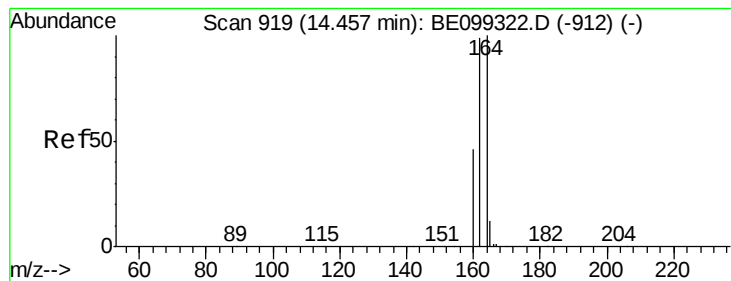


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.46 min Scan# 919

Delta R.T. -0.00 min

Lab File: BE099377.D

Acq: 26 Apr 2019 14:29

Instrument :

BNA_E

ClientSampleId :

PST-023-B181-042219

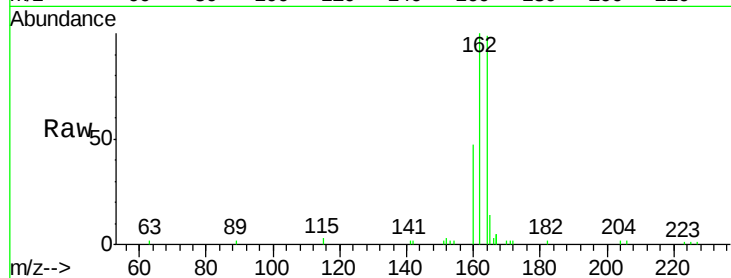
Tot Ion:164 Resp: 6030

Ion Ratio Lower Upper

164 100

162 100.8 77.8 116.6

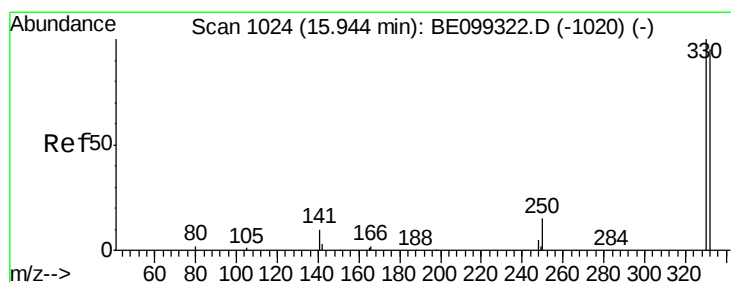
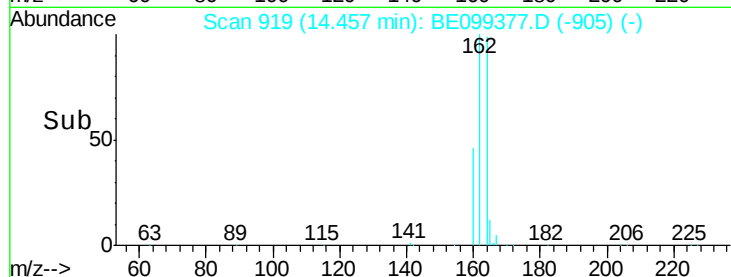
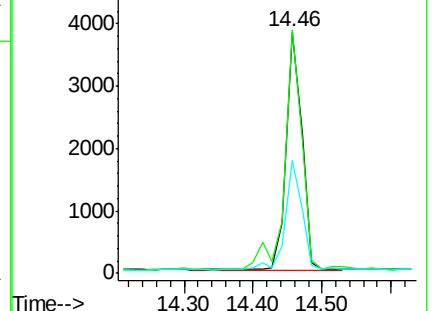
160 46.9 37.1 55.7



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: 4.060 ng

RT: 15.94 min Scan# 1024

Delta R.T. 0.00 min

Lab File: BE099377.D

Acq: 26 Apr 2019 14:29

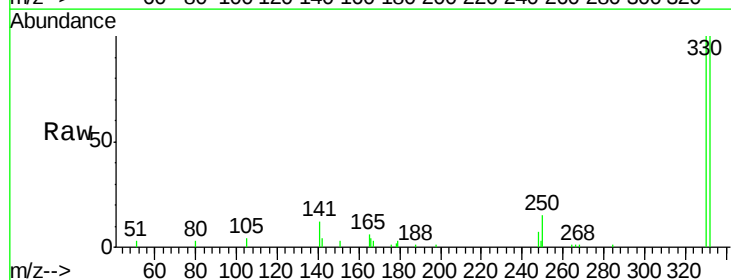
Tgt Ion:330 Resp: 8131

Ion Ratio Lower Upper

330 100

332 95.5 82.5 123.7

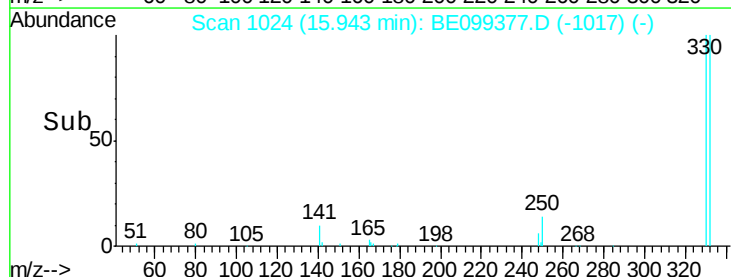
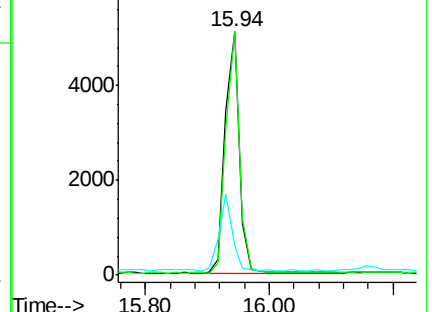
141 29.4 24.9 37.3

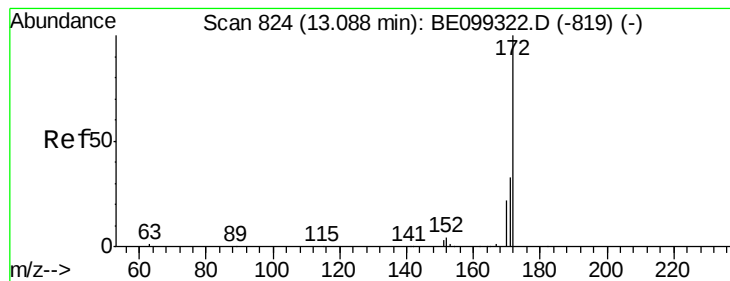


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 1.984 ng

RT: 13.09 min Scan# 824

Delta R.T. -0.00 min

Lab File: BE099377.D

Acq: 26 Apr 2019 14:29

Instrument :

BNA_E

ClientSampleId :

PST-023-B181-042219

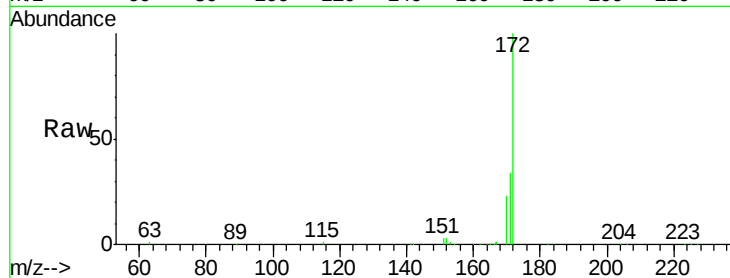
Tot Ion:172 Resp: 47035

Ion Ratio Lower Upper

172 100

171 33.8 26.2 39.2

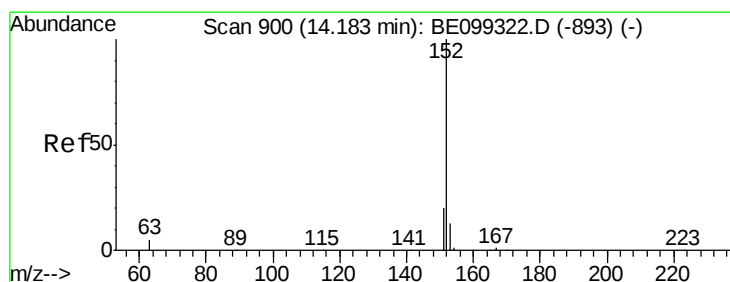
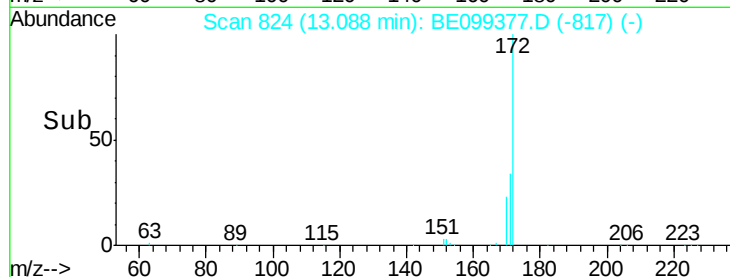
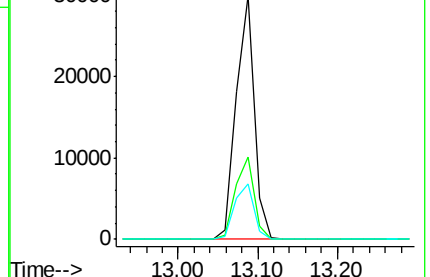
170 22.9 18.1 27.1



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: 0.977 ng

RT: 14.18 min Scan# 900

Delta R.T. -0.00 min

Lab File: BE099377.D

Acq: 26 Apr 2019 14:29

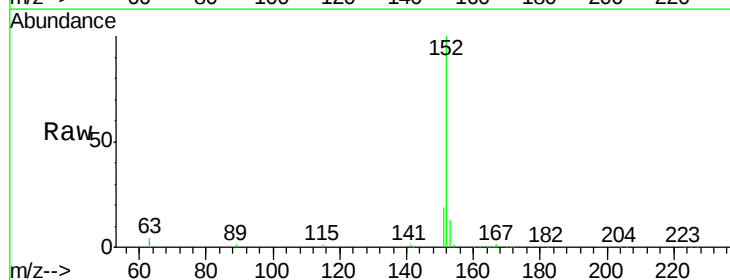
Tgt Ion:152 Resp: 26641

Ion Ratio Lower Upper

152 100

151 19.1 15.5 23.3

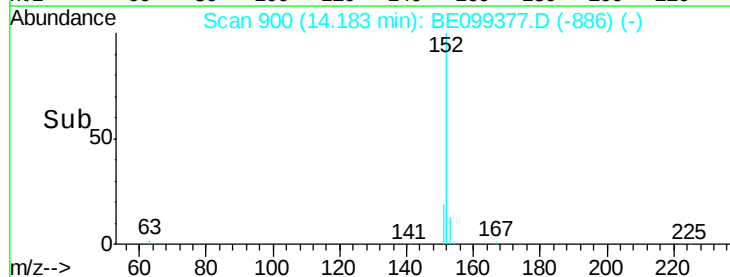
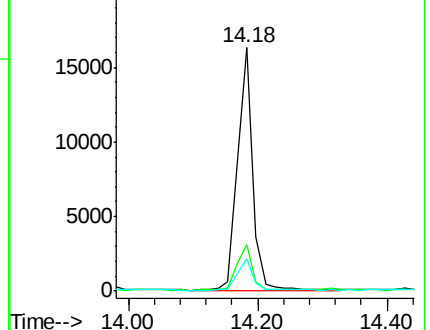
153 12.6 10.2 15.4

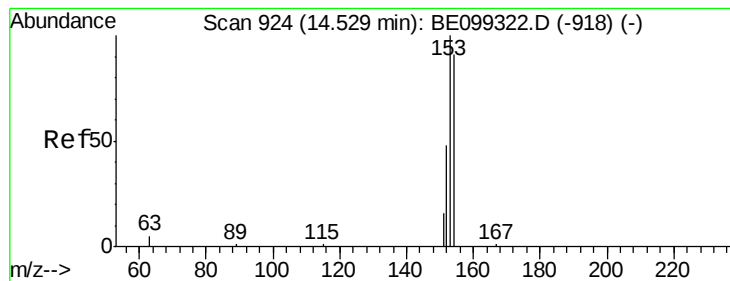


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.929 ng

RT: 14.53 min Scan# 924

Delta R.T. 0.01 min

Lab File: BE099377.D

Acq: 26 Apr 2019 14:29

Instrument :

BNA_E

ClientSampleId :

PST-023-B181-042219

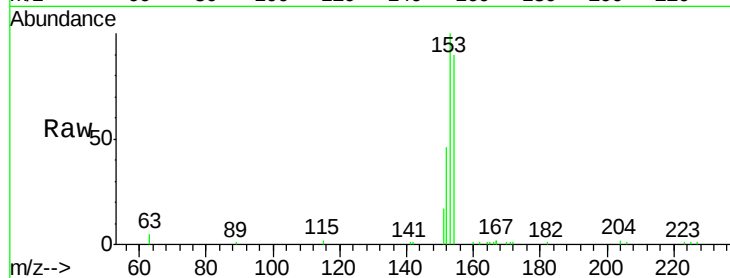
Tot Ion:154 Resp: 15609

Ion Ratio Lower Upper

154 100

153 116.4 94.7 142.1

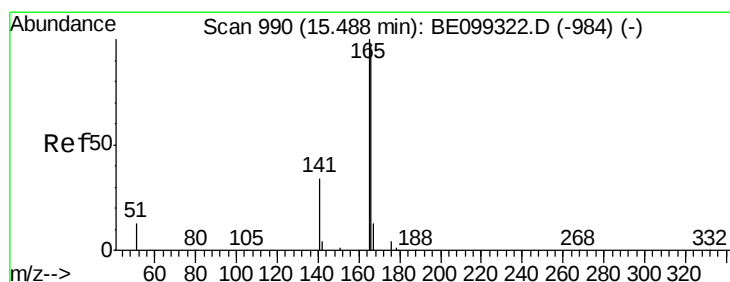
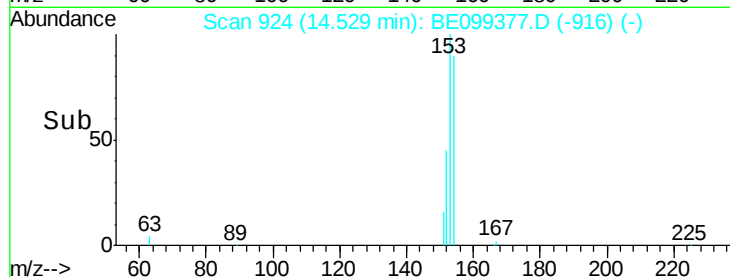
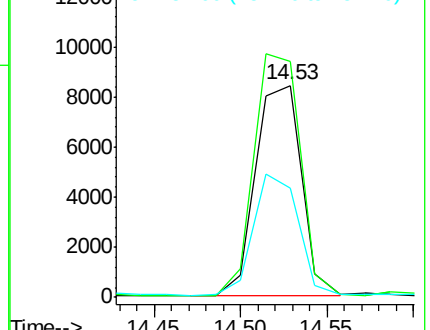
152 56.7 46.4 69.6



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: 0.973 ng

RT: 15.49 min Scan# 990

Delta R.T. -0.00 min

Lab File: BE099377.D

Acq: 26 Apr 2019 14:29

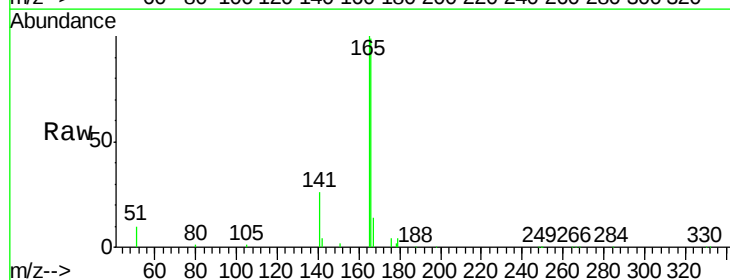
Tgt Ion:166 Resp: 23469

Ion Ratio Lower Upper

166 100

165 99.4 79.7 119.5

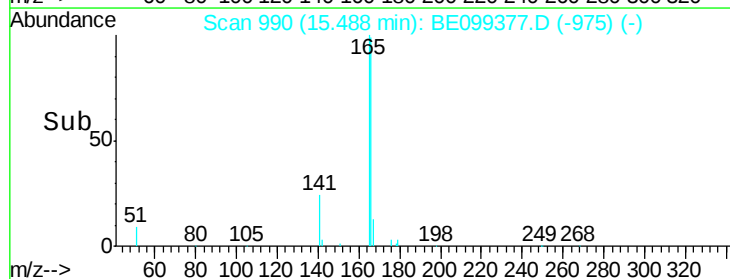
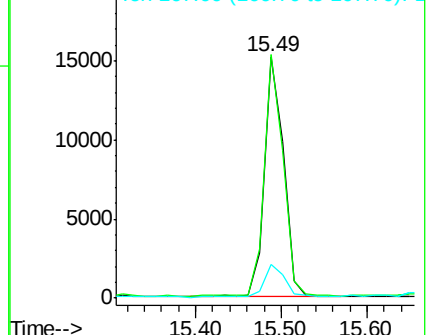
167 14.3 11.0 16.4

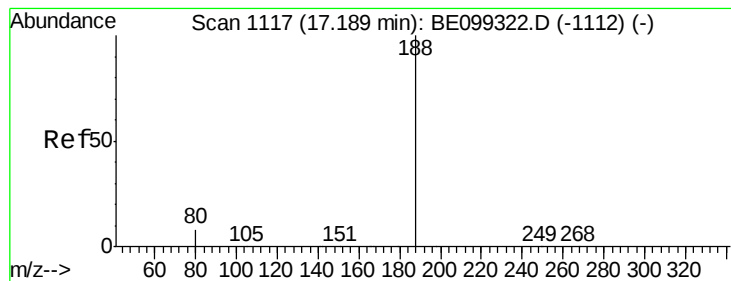


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.19 min Scan# 1117

Delta R.T. -0.00 min

Lab File: BE099377.D

Acq: 26 Apr 2019 14:29

Instrument :

BNA_E

ClientSampleId :

PST-023-B181-042219

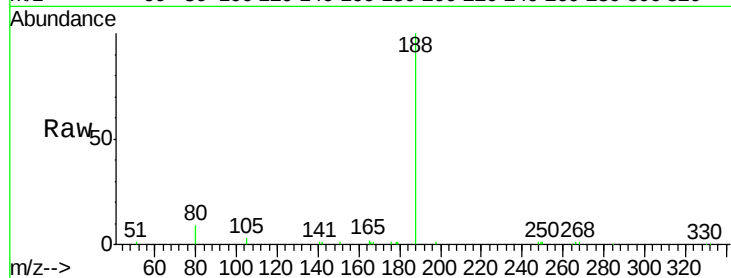
Tot Ion:188 Resp: 17481

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

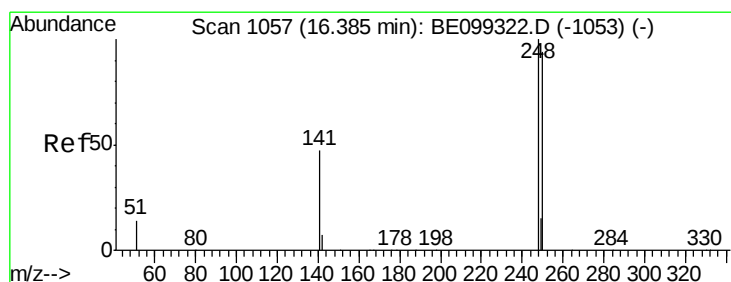
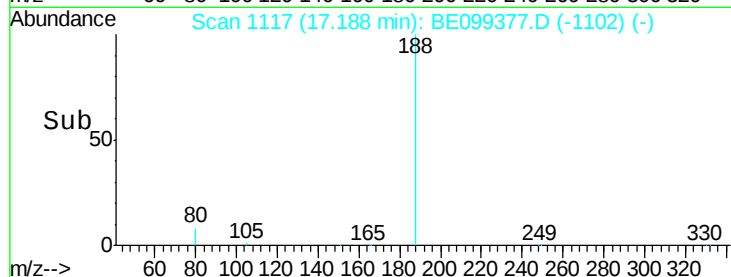
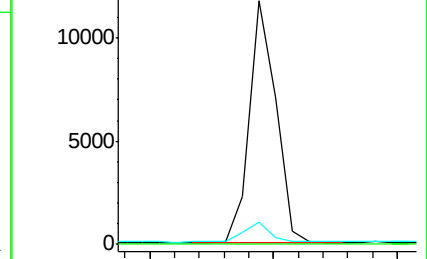
80 9.2 6.2 9.4



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: 0.835 ng

RT: 16.38 min Scan# 1057

Delta R.T. -0.00 min

Lab File: BE099377.D

Acq: 26 Apr 2019 14:29

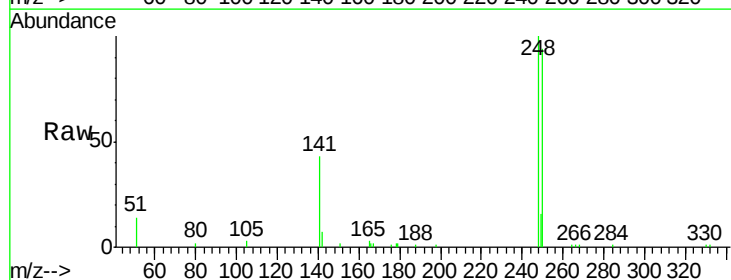
Tgt Ion:248 Resp: 8084

Ion Ratio Lower Upper

248 100

250 94.2 77.0 115.6

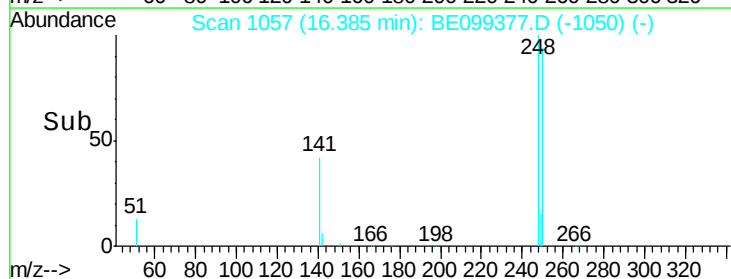
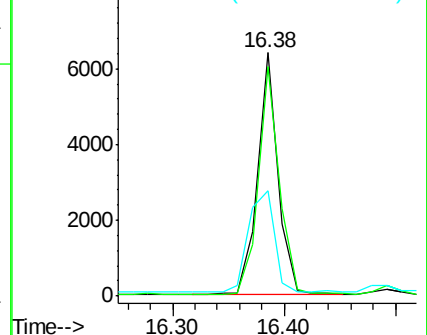
141 43.4 31.1 46.7

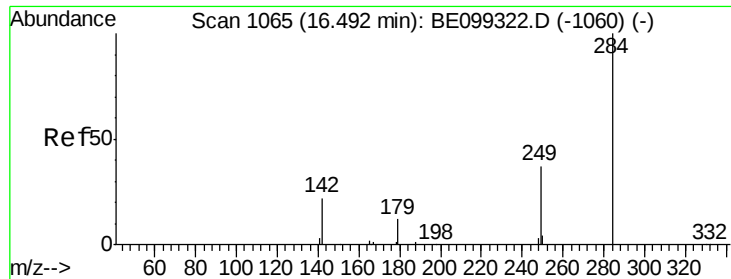


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.833 ng

RT: 16.49 min Scan# 1065

Delta R.T. -0.00 min

Lab File: BE099377.D

Acq: 26 Apr 2019 14:29

Instrument :

BNA_E

ClientSampleId :

PST-023-B181-042219

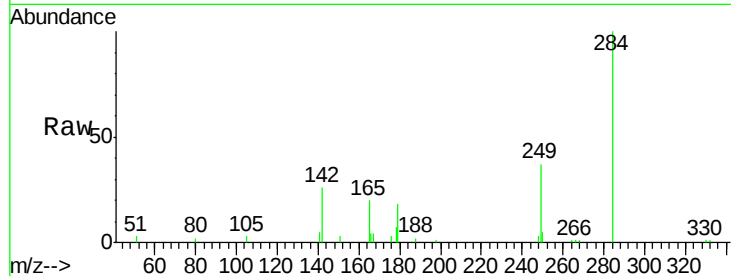
Tot Ion:284 Resp: 7759

Ion Ratio Lower Upper

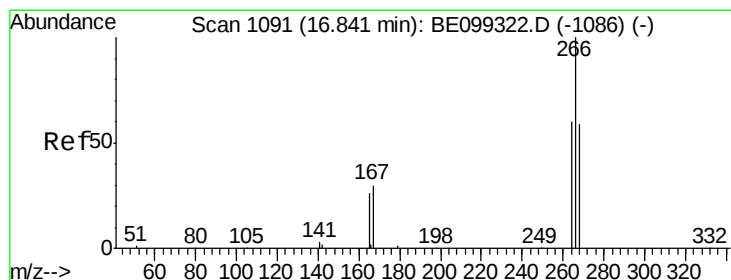
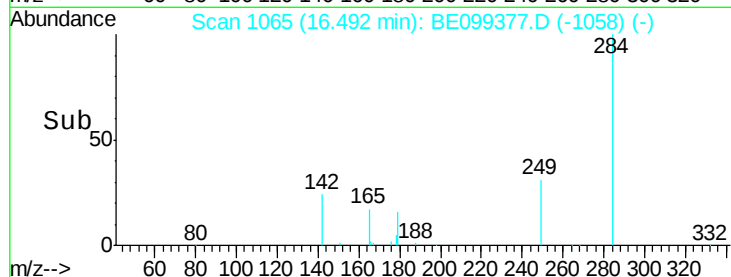
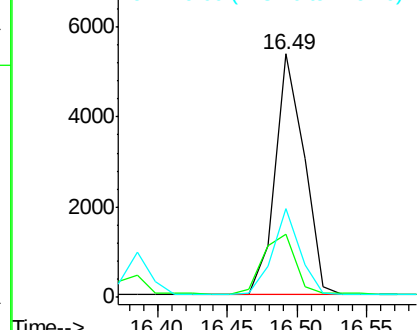
284 100

142 27.3 21.8 32.6

249 33.7 26.2 39.4



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



#22

Pentachlorophenol

Concen: 1.377 ng

RT: 16.84 min Scan# 1091

Delta R.T. 0.00 min

Lab File: BE099377.D

Acq: 26 Apr 2019 14:29

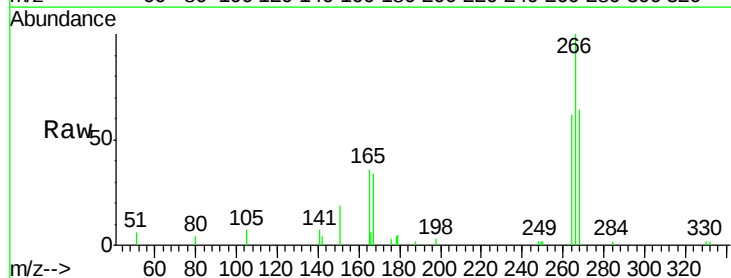
Tgt Ion:266 Resp: 4350

Ion Ratio Lower Upper

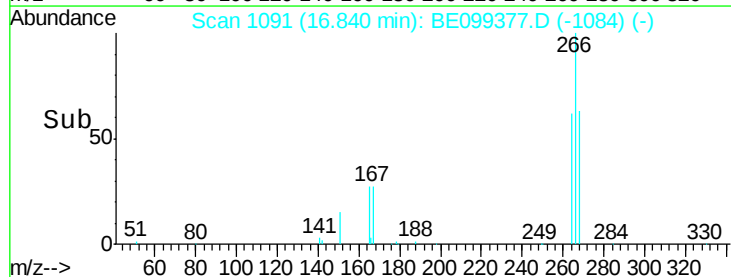
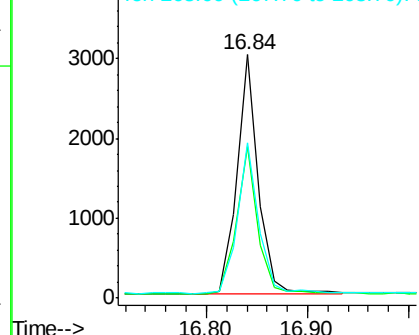
266 100

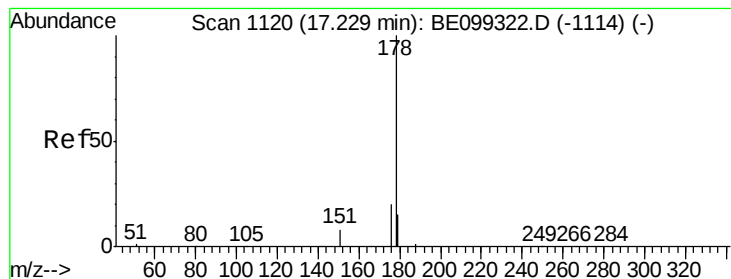
264 62.3 54.5 81.7

268 63.9 54.3 81.5



Abundance Ion 266.00 (265.70 to 266.70): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 3.792 ng

RT: 17.23 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BE099377.D

Acq: 26 Apr 2019 14:29

Instrument :

BNA_E

ClientSampleId :

PST-023-B181-042219

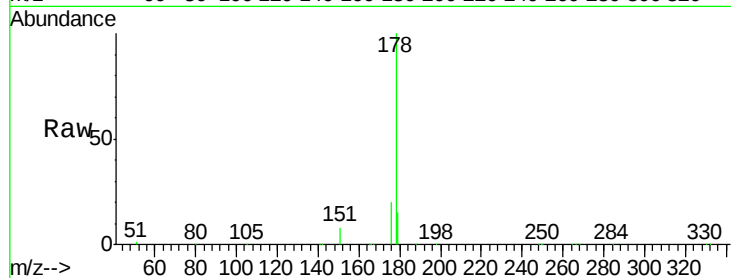
Tot Ion:178 Resp: 175543

Ion Ratio Lower Upper

178 100

176 19.2 15.3 22.9

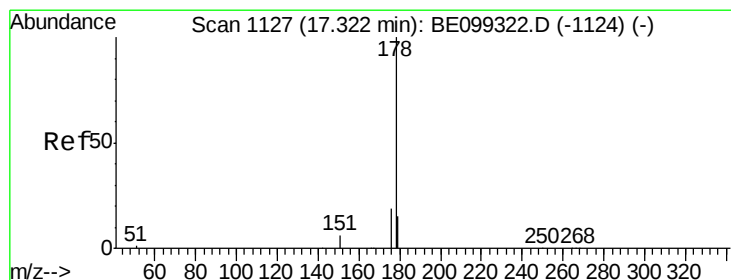
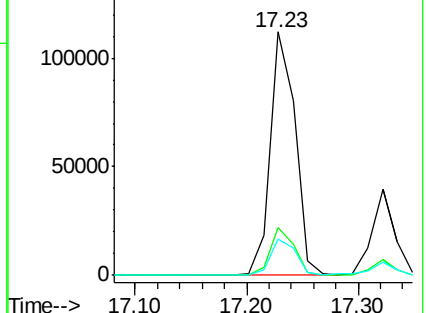
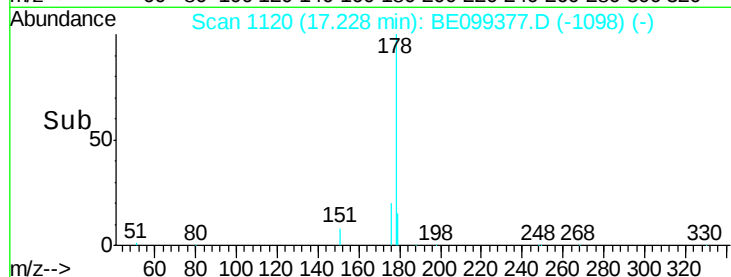
179 15.3 12.4 18.6



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



#24

Anthracene

Concen: 1.376 ng

RT: 17.32 min Scan# 1127

Delta R.T. -0.00 min

Lab File: BE099377.D

Acq: 26 Apr 2019 14:29

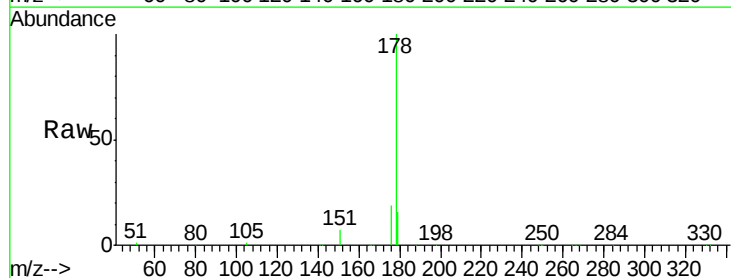
Tgt Ion:178 Resp: 56643

Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

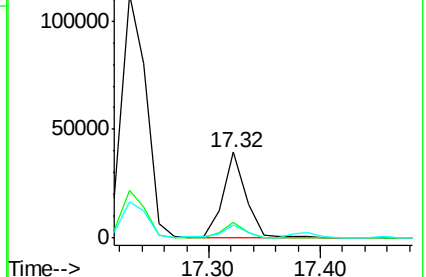
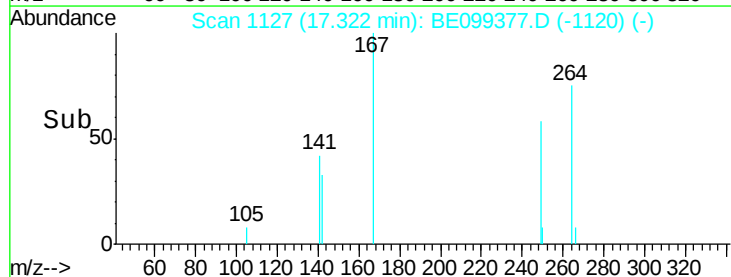
179 15.8 11.9 17.9

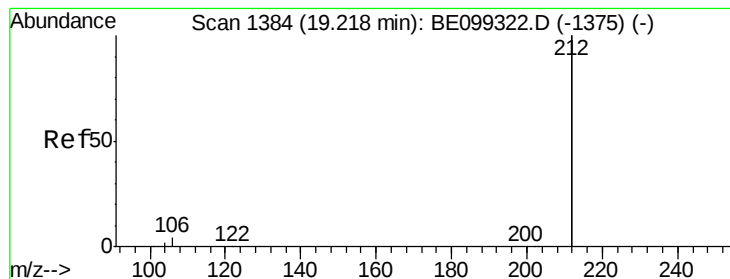


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.446 ng

RT: 19.22 min Scan# 1384

Delta R.T. -0.00 min

Lab File: BE099377.D

Acq: 26 Apr 2019 14:29

Instrument :

BNA_E

ClientSampleId :

PST-023-B181-042219

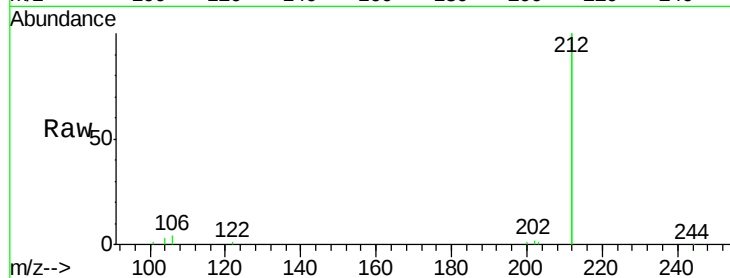
Tot Ion:212 Resp: 93719

Ion Ratio Lower Upper

212 100

106 2.0 1.8 2.6

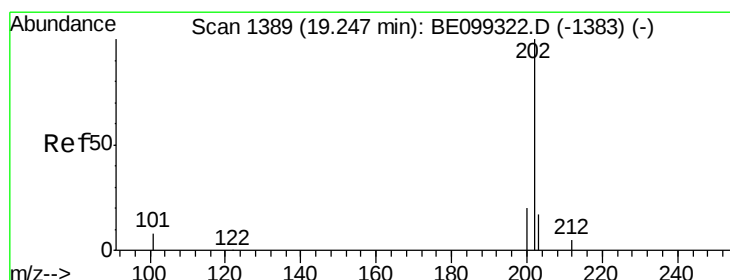
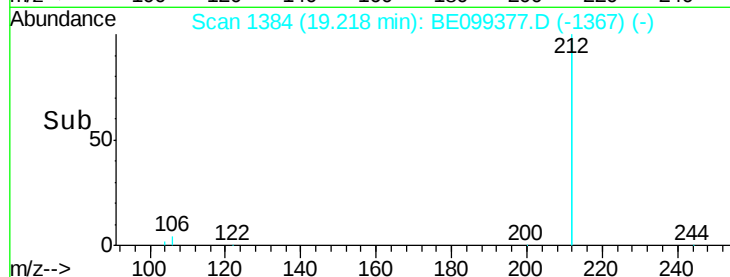
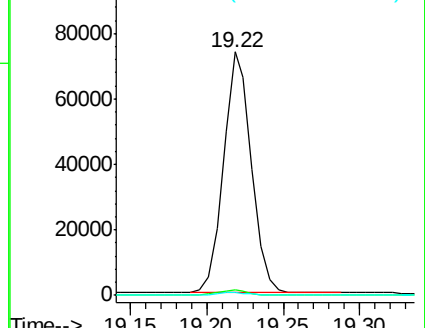
104 1.2 1.0 1.4



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 7.461 ng

RT: 19.25 min Scan# 1390

Delta R.T. 0.01 min

Lab File: BE099377.D

Acq: 26 Apr 2019 14:29

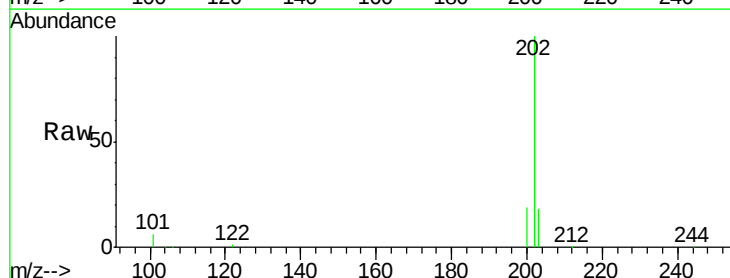
Tgt Ion:202 Resp: 462291

Ion Ratio Lower Upper

202 100

101 7.0 6.4 9.6

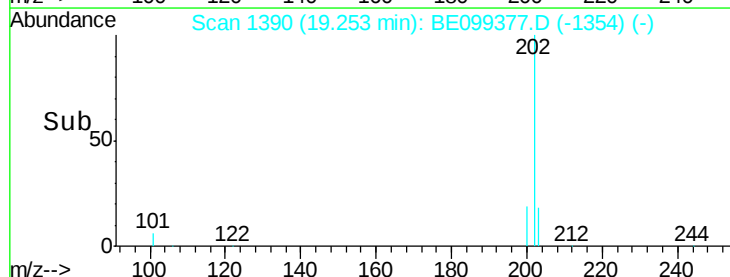
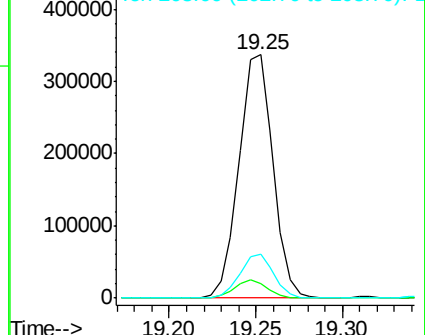
203 17.6 13.5 20.3

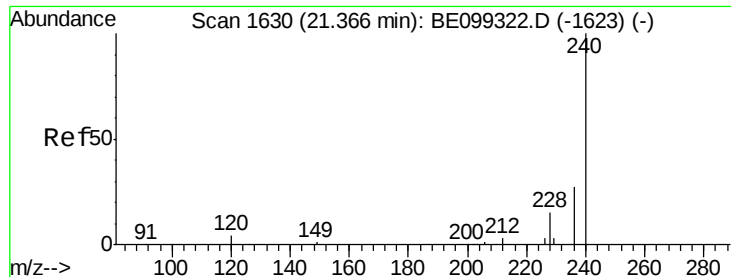


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

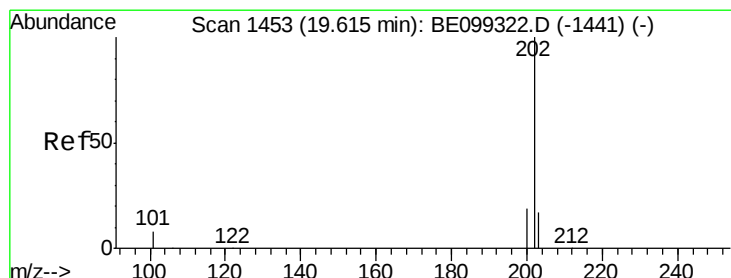
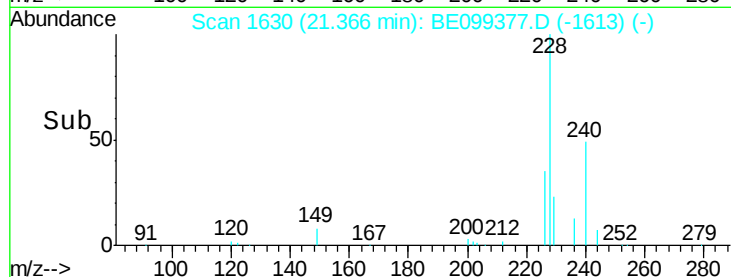
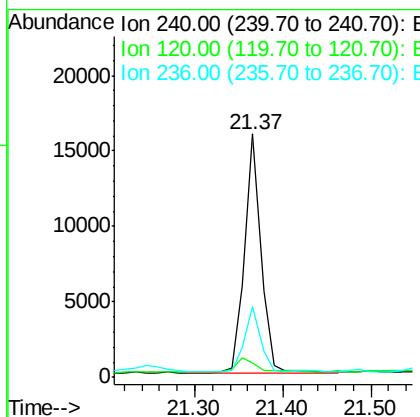
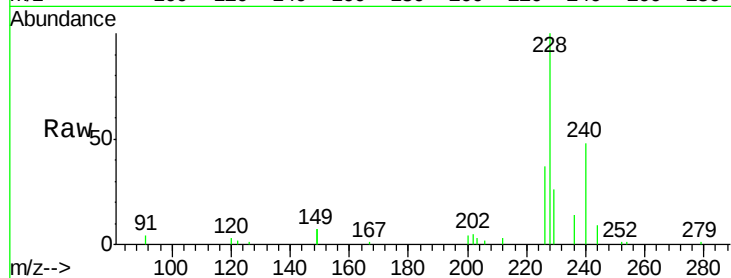




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.37 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: BE099377.D
 Acq: 26 Apr 2019 14:29

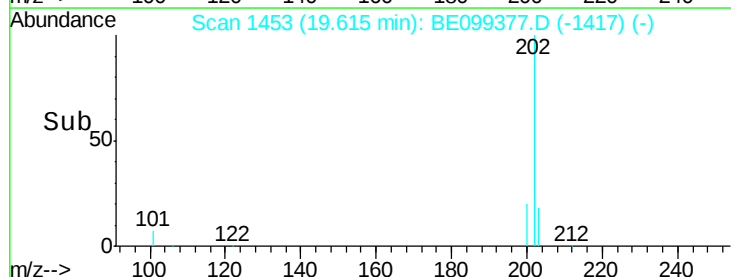
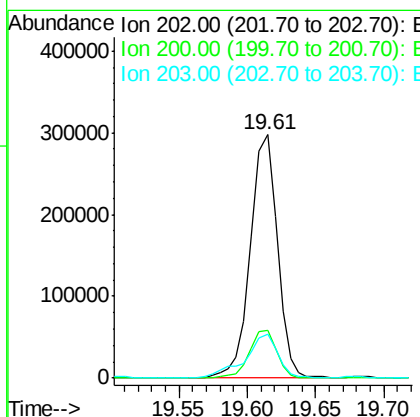
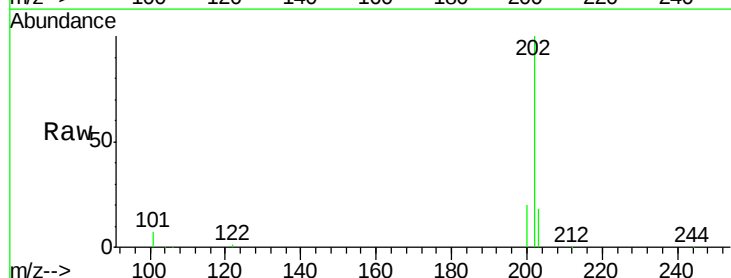
Instrument :
 BNA_E
 ClientSampleId :
 PST-023-B181-042219

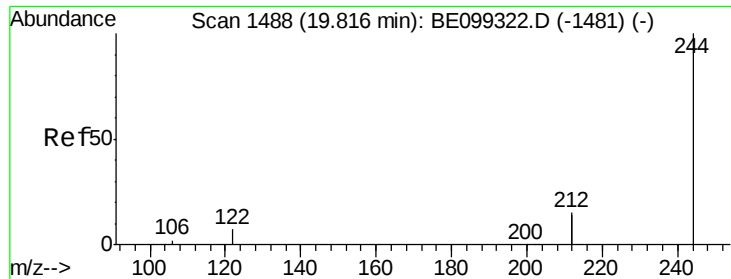
Tot Ion:240 Resp: 20734
 Ion Ratio Lower Upper
 240 100
 120 5.7 2.2 3.2#
 236 28.9 20.2 30.4



#28
 Pyrene
 Concen: 6.647 ng
 RT: 19.61 min Scan# 1453
 Delta R.T. 0.01 min
 Lab File: BE099377.D
 Acq: 26 Apr 2019 14:29

Tgt Ion:202 Resp: 406019
 Ion Ratio Lower Upper
 202 100
 200 20.1 15.7 23.5
 203 21.9 13.7 20.5#





#29

Terphenyl-d14

Concen: 2.403 ng

RT: 19.82 min Scan# 1488

Delta R.T. -0.00 min

Lab File: BE099377.D

Acq: 26 Apr 2019 14:29

Instrument :

BNA_E

ClientSampleId :

PST-023-B181-042219

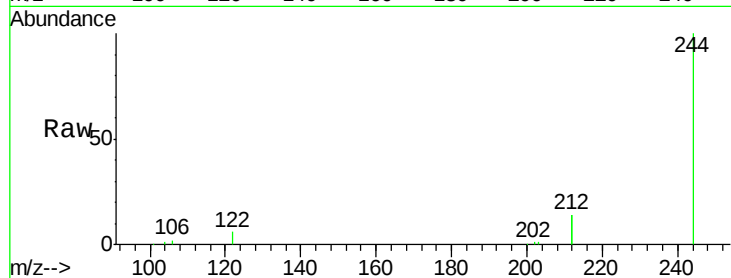
Tot Ion:244 Resp: 98087

Ion Ratio Lower Upper

244 100

212 28.9 22.6 33.8

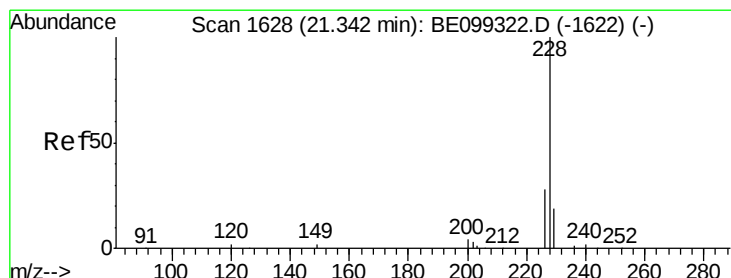
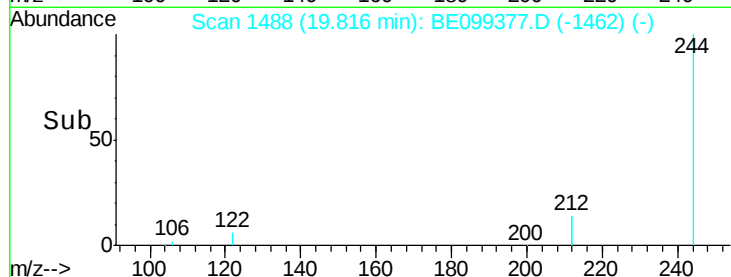
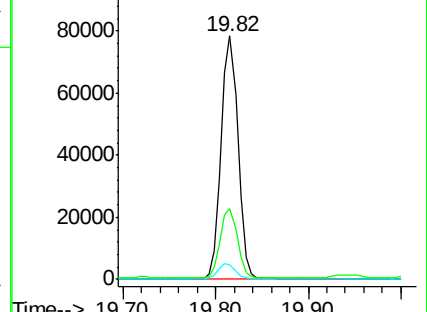
122 5.9 4.6 7.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 4.514 ng

RT: 21.35 min Scan# 1629

Delta R.T. 0.01 min

Lab File: BE099377.D

Acq: 26 Apr 2019 14:29

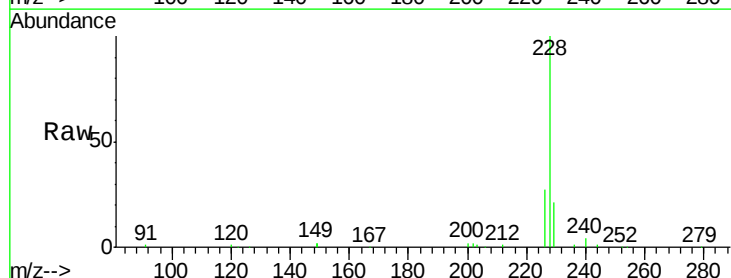
Tgt Ion:228 Resp: 275171

Ion Ratio Lower Upper

228 100

226 27.4 22.0 33.0

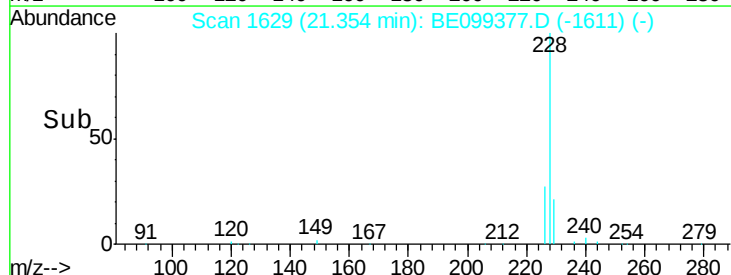
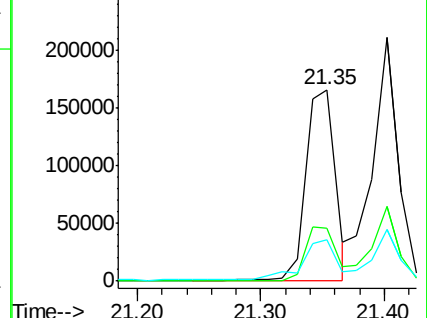
229 21.4 15.8 23.8

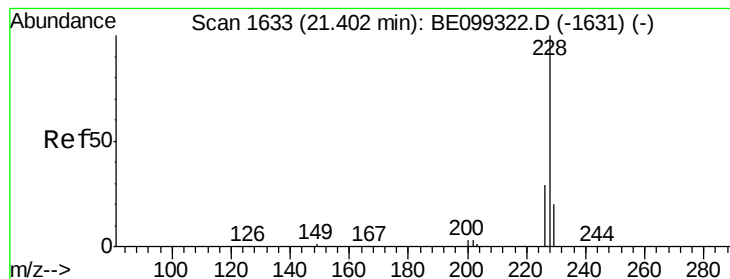


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 4.693 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.00 min

Lab File: BE099377.D

Acq: 26 Apr 2019 14:29

Instrument :

BNA_E

ClientSampleId :

PST-023-B181-042219

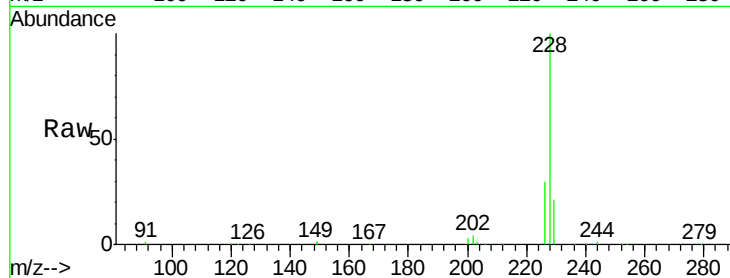
Tot Ion:228 Resp: 304443

Ion Ratio Lower Upper

228 100

226 30.4 23.4 35.2

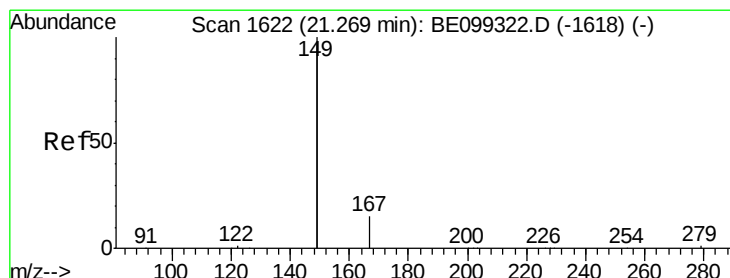
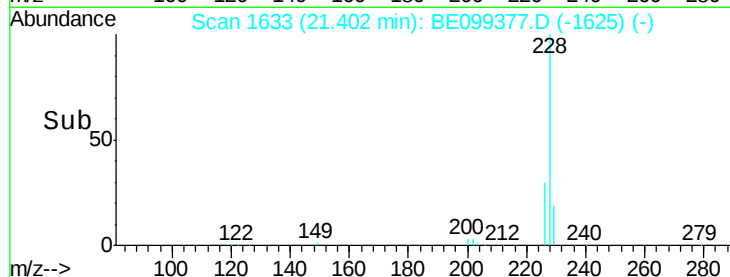
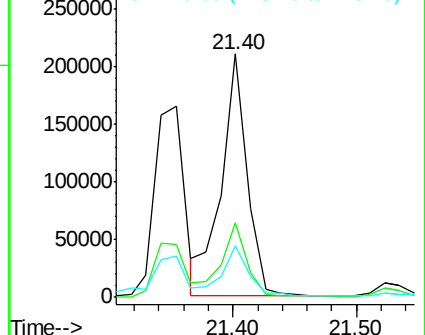
229 21.3 16.2 24.2



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 4.331 ng

RT: 21.27 min Scan# 1622

Delta R.T. -0.00 min

Lab File: BE099377.D

Acq: 26 Apr 2019 14:29

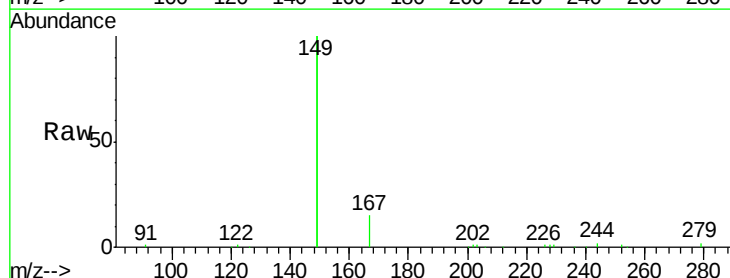
Tgt Ion:149 Resp: 240222

Ion Ratio Lower Upper

149 100

167 7.1 6.0 9.0

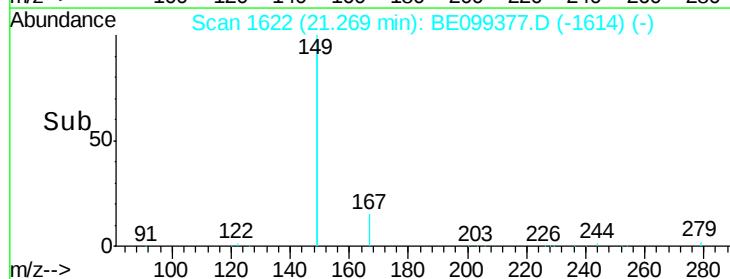
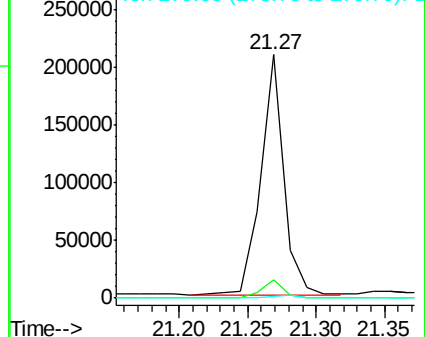
279 1.2 1.1 1.7

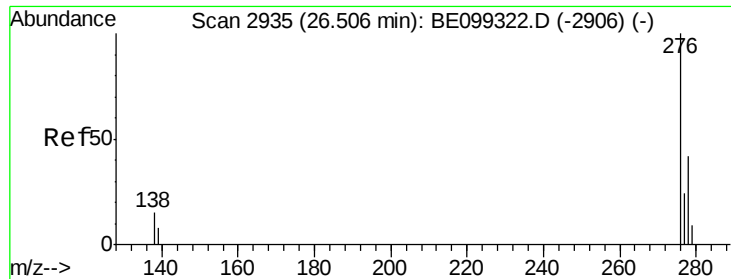


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 2.913 ng

RT: 26.51 min Scan# 2936

Delta R.T. 0.02 min

Lab File: BE099377.D

Acq: 26 Apr 2019 14:29

Instrument :

BNA_E

ClientSampleId :

PST-023-B181-042219

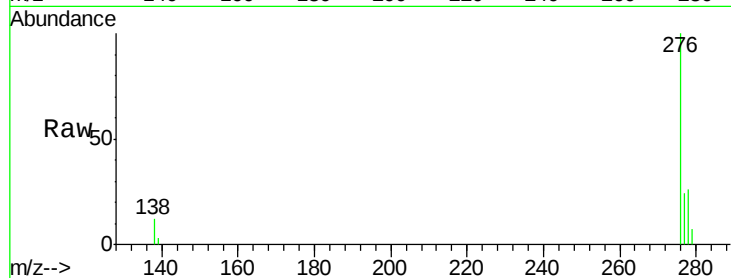
Tot Ion:276 Resp: 186618

Ion Ratio Lower Upper

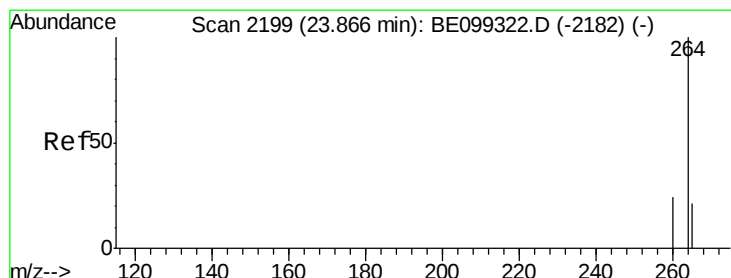
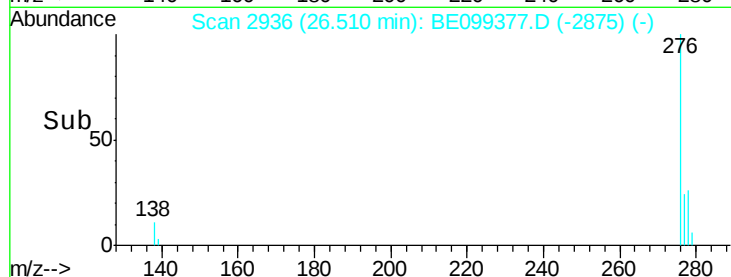
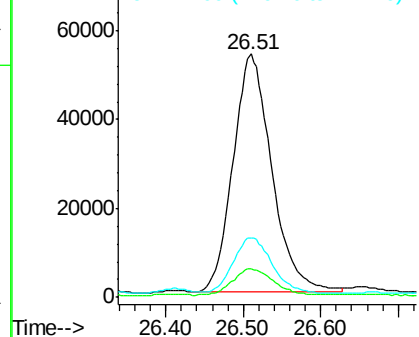
276 100

138 11.4 12.7 19.1#

277 23.6 19.6 29.4



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.87 min Scan# 2199

Delta R.T. 0.01 min

Lab File: BE099377.D

Acq: 26 Apr 2019 14:29

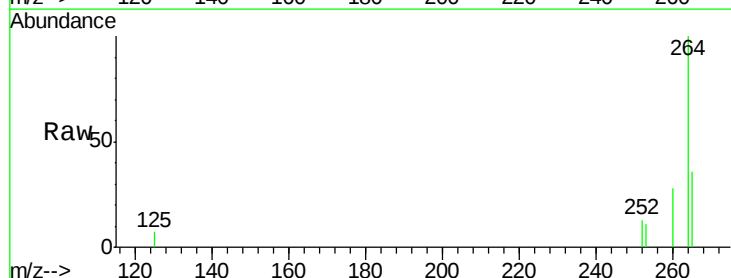
Tgt Ion:264 Resp: 23692

Ion Ratio Lower Upper

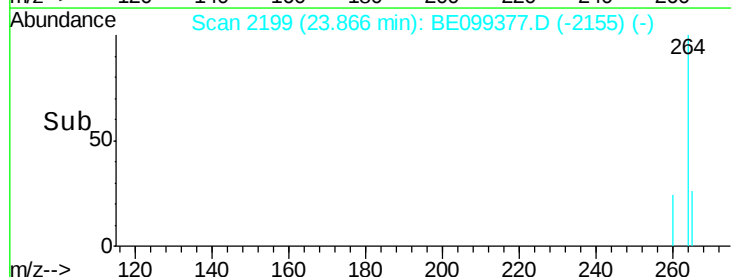
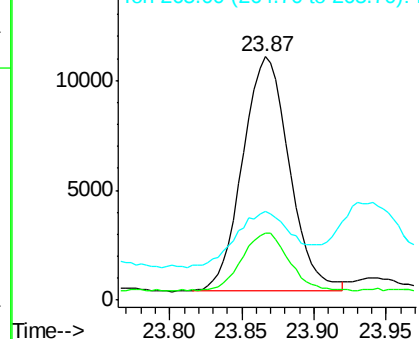
264 100

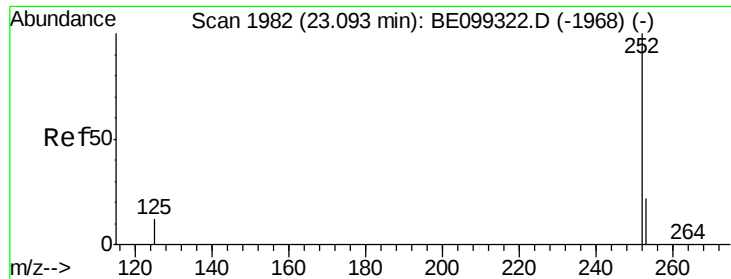
260 27.6 20.1 30.1

265 36.4 19.9 29.9#



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

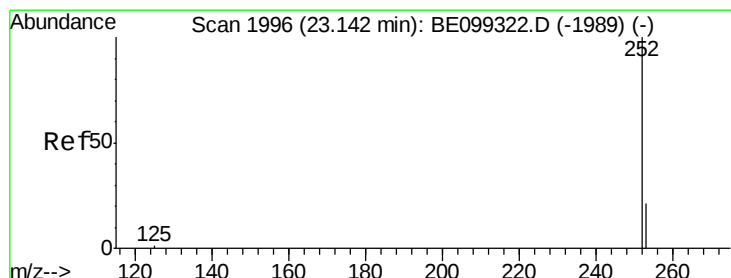
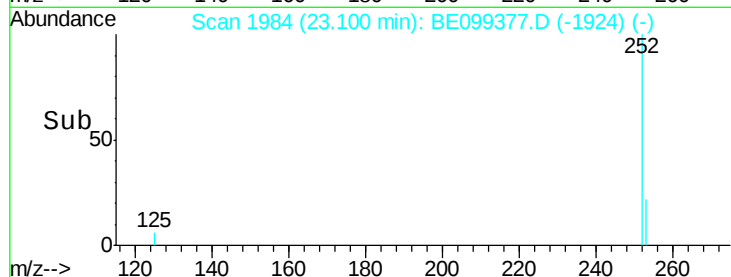
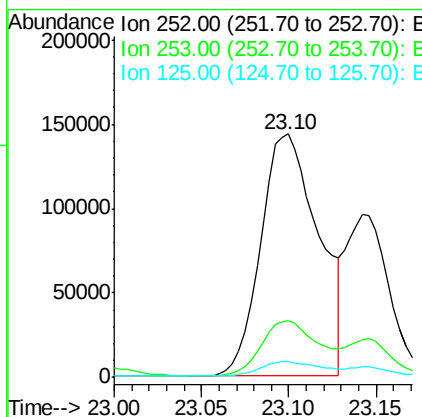
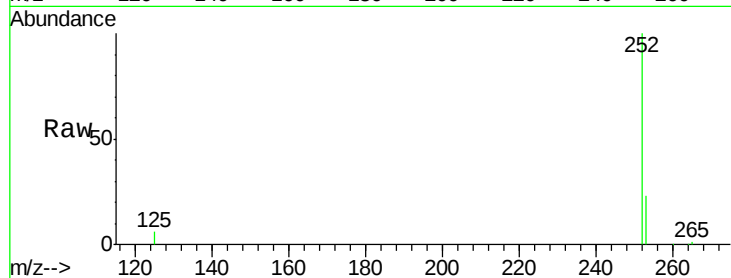




#35
Benzo(b)fluoranthene
Concen: 4.571 ng
RT: 23.10 min Scan# 1984
Delta R.T. 0.01 min
Lab File: BE099377.D
Acq: 26 Apr 2019 14:29

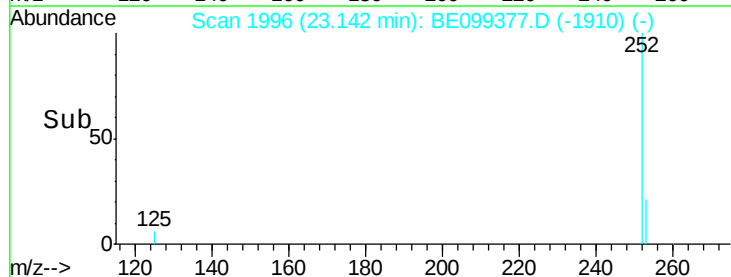
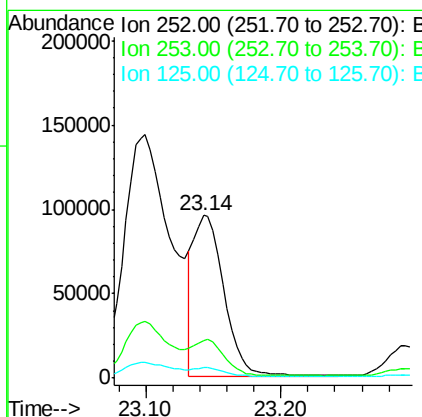
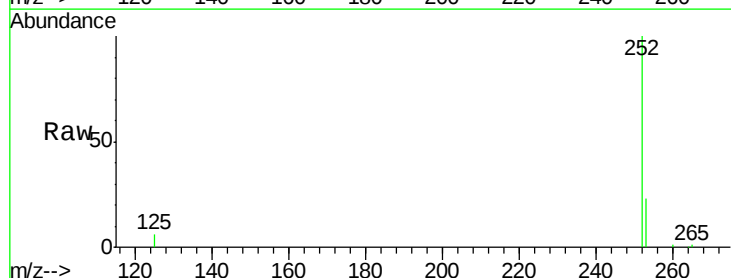
Instrument :
BNA_E
ClientSampleId :
PST-023-B181-042219

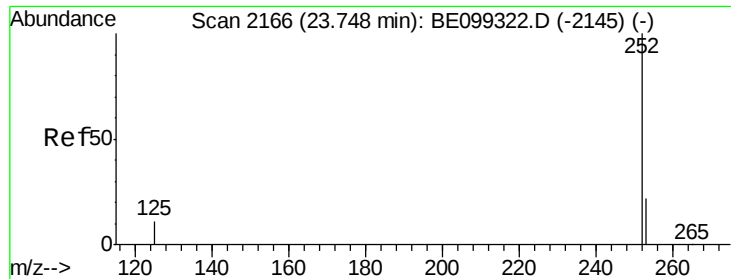
Tot Ion:252 Resp: 331577
Ion Ratio Lower Upper
252 100
253 23.1 17.3 25.9
125 6.3 5.8 8.6



#36
Benzo(k)fluoranthene
Concen: 2.061 ng
RT: 23.14 min Scan# 1996
Delta R.T. 0.01 min
Lab File: BE099377.D
Acq: 26 Apr 2019 14:29

Tgt Ion:252 Resp: 149019
Ion Ratio Lower Upper
252 100
253 23.2 18.4 27.6
125 6.4 5.4 8.0





#37

Benzo(a)pyrene

Concen: 3.695 ng

RT: 23.76 min Scan# 2168

Delta R.T. 0.01 min

Lab File: BE099377.D

Acq: 26 Apr 2019 14:29

Instrument :

BNA_E

ClientSampleId :

PST-023-B181-042219

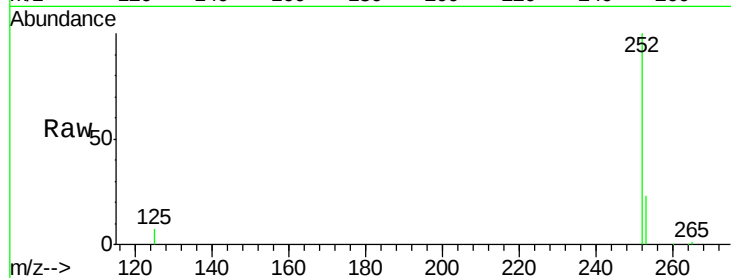
Tot Ion:252 Resp: 240147

Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

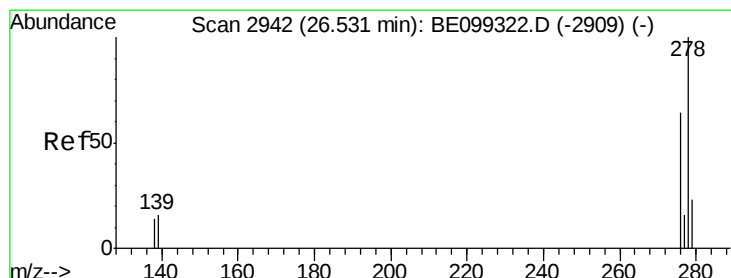
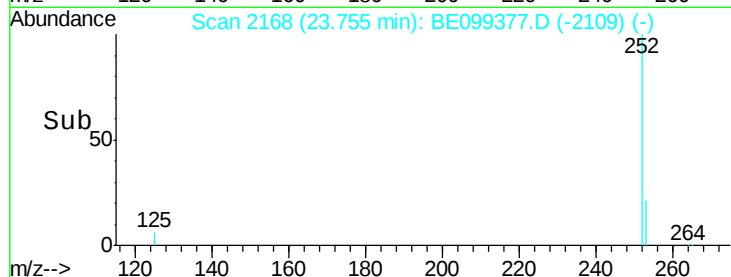
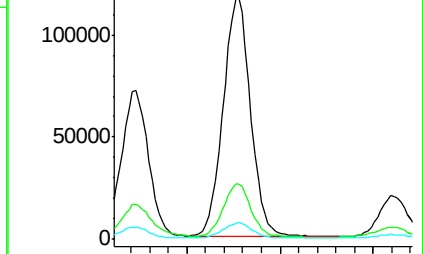
125 6.8 6.5 9.7



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



#38

Dibenzo(a,h)anthracene

Concen: 1.256 ng

RT: 26.53 min Scan# 2943

Delta R.T. 0.01 min

Lab File: BE099377.D

Acq: 26 Apr 2019 14:29

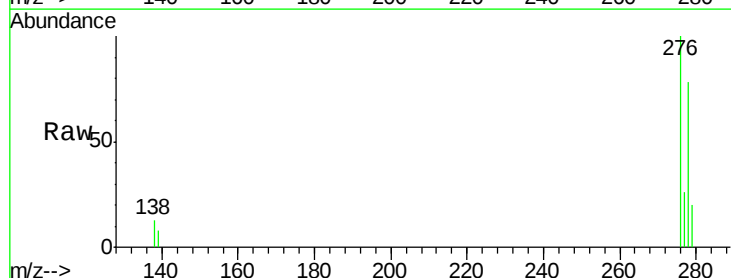
Tgt Ion:278 Resp: 83417

Ion Ratio Lower Upper

278 100

139 10.9 8.5 12.7

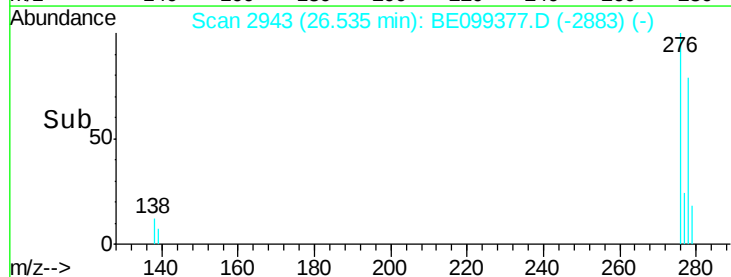
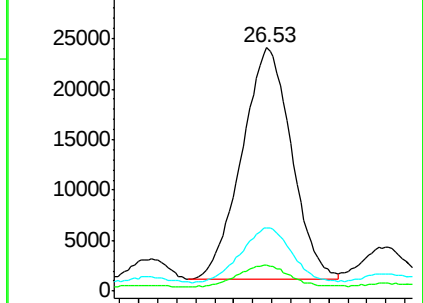
279 26.0 19.8 29.8

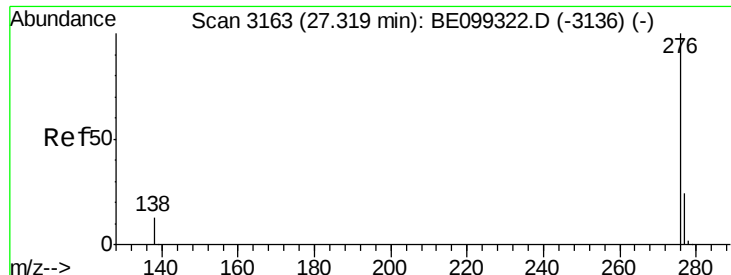


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 2.603 ng

RT: 27.33 min Scan# 3166

Delta R.T. 0.02 min

Lab File: BE099377.D

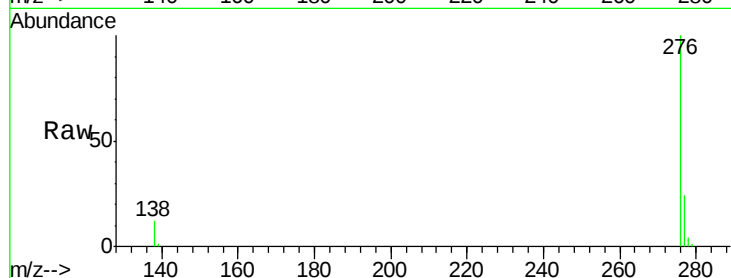
Acq: 26 Apr 2019 14:29

Instrument :

BNA_E

ClientSampleId :

PST-023-B181-042219



Tot Ion: 276 Resp: 175329

Ion Ratio Lower Upper

276 100

277 24.3 20.0 30.0

138 11.5 11.1 16.7

