

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032319\
 Data File : BE099134.D
 Acq On : 24 Mar 2019 5:35
 Operator : JU/SJ
 Sample : K2014-01MS
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-026-SW075-031819MS

Quant Time: Mar 24 23:02:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE032219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 23 04:40:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	4138	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	15768	0.40	ng	-0.01
13) Acenaphthene-d10	14.49	164	9726	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	24994	0.40	ng	0.00
27) Chrysene-d12	21.38	240	37824	0.40	ng	-0.01
34) Perylene-d12	23.90	264	41952	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.41	112	4806	0.39	ng	0.00
5) Phenol-d6	6.99	99	6569	0.37	ng	0.00
8) Nitrobenzene-d5	8.99	82	4950	0.72	ng	-0.01
11) 2-Methylnaphthalene-d10	12.22	152	14112	0.50	ng	-0.02
14) 2,4,6-Tribromophenol	15.96	330	1781	0.62	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	13441	0.35	ng	-0.02
25) Fluoranthene-d10	19.24	212	128485	0.39	ng	0.00
29) Terphenyl-d14	19.83	244	22503	0.28	ng	0.00

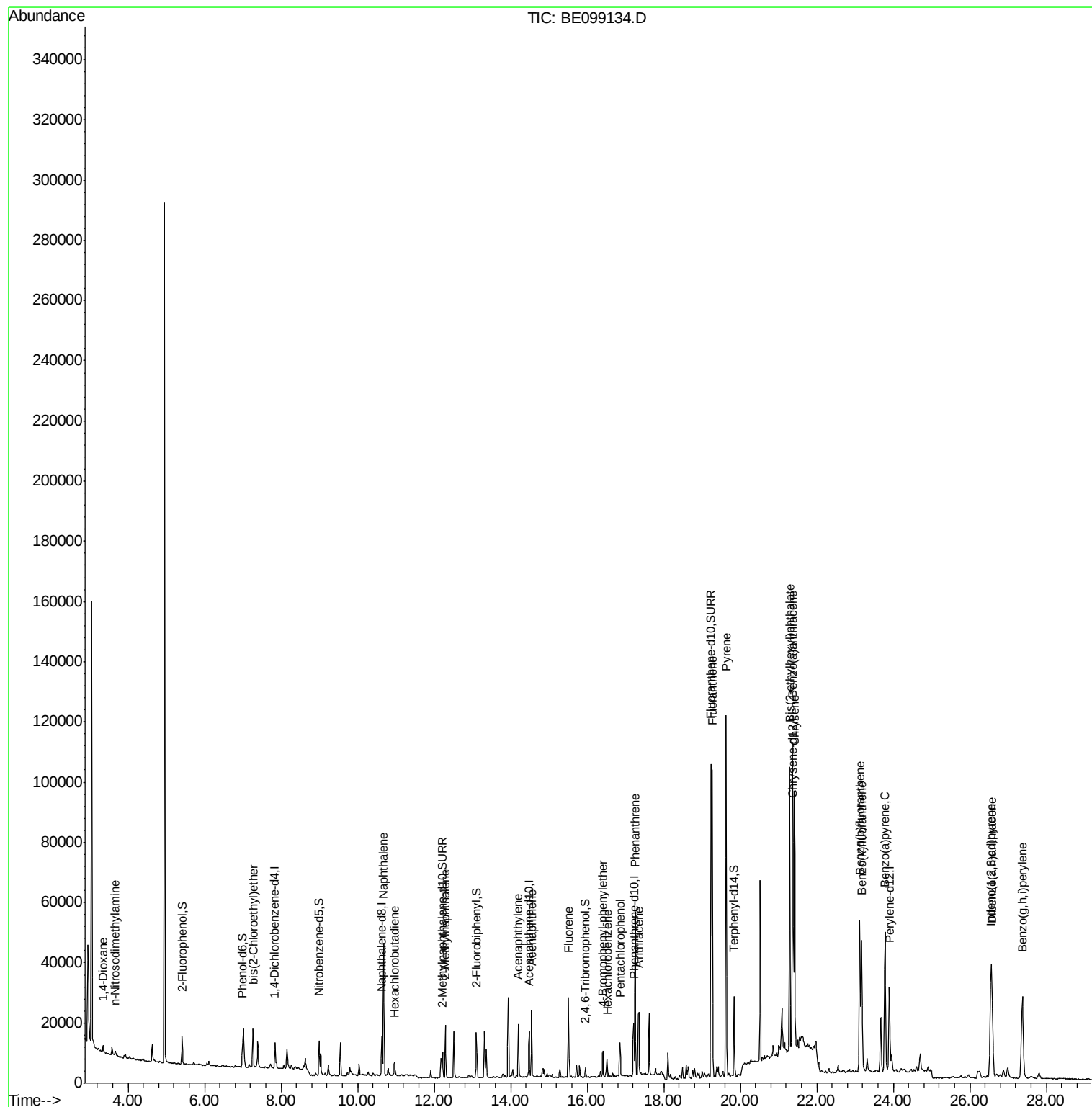
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.35	88	1657	0.258	ng	# 73
3) n-Nitrosodimethylamine	3.66	42	1159	0.350	ng	# 91
6) bis(2-Chloroethyl)ether	7.27	93	5206	0.361	ng	# 86
9) Naphthalene	10.68	128	67424	0.363	ng	99
10) Hexachlorobutadiene	10.96	225	3288	0.362	ng	98
12) 2-Methylnaphthalene	12.30	142	11597	0.364	ng	95
16) Acenaphthylene	14.20	152	21336	0.411	ng	96
17) Acenaphthene	14.54	154	10302	0.335	ng	99
18) Fluorene	15.51	166	15563	0.347	ng	97
20) 4-Bromophenyl-phenylether	16.41	248	4940	0.357	ng	# 62
21) Hexachlorobenzene	16.52	284	4678	0.364	ng	93
22) Pentachlorophenol	16.85	266	5508	1.298	ng	# 77
23) Phenanthrene	17.25	178	54125	0.729	ng	99
24) Anthracene	17.35	178	27460	0.391	ng	99
26) Fluoranthene	19.27	202	90580	0.867	ng	99
28) Pyrene	19.63	202	111725	0.871	ng	97
30) Benzo(a)anthracene	21.37	228	83160	0.624	ng	99
31) Chrysene	21.42	228	82388	0.619	ng	97
32) Bis(2-ethylhexyl)phthalate	21.29	149	99779	0.577	ng	99
33) Indeno(1,2,3-cd)pyrene	26.54	276	71510	0.500	ng	99
35) Benzo(b)fluoranthene	23.12	252	82811	0.571	ng	98
36) Benzo(k)fluoranthene	23.17	252	62884	0.442	ng	98
37) Benzo(a)pyrene	23.78	252	75988	0.566	ng	96
38) Dibenzo(a,h)anthracene	26.58	278	47172	0.362	ng	99
39) Benzo(g,h,i)perylene	27.38	276	67924	0.507	ng	98

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

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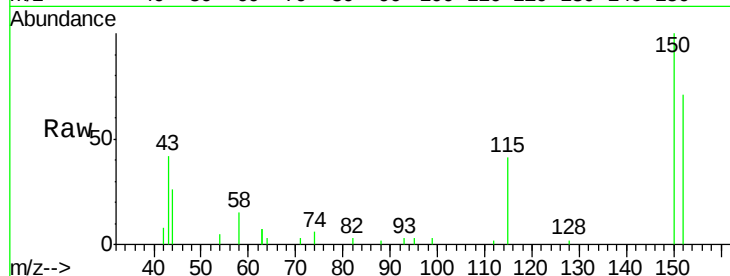


#1

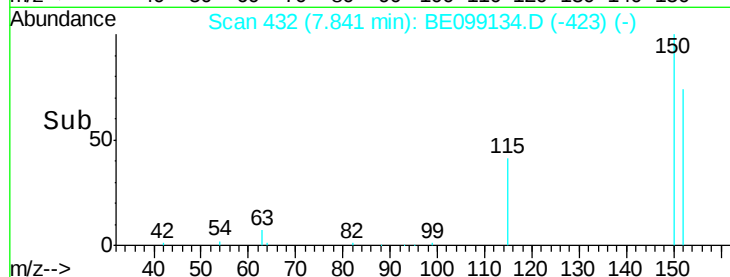
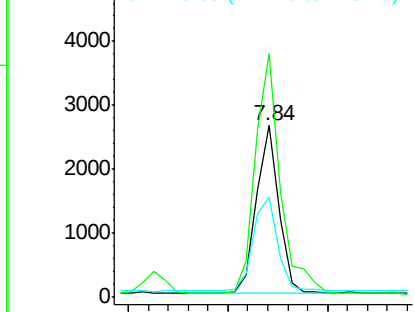
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. 0.00 min
Lab File: BE099134.D
Acq: 24 Mar 2019 5:35

Instrument :
BNA_E
ClientSampleId :
PST-026-SW075-031819MS

Tot Ion:152 Resp: 4138
Ion Ratio Lower Upper
152 100
150 141.8 122.5 183.7
115 58.4 57.4 86.2



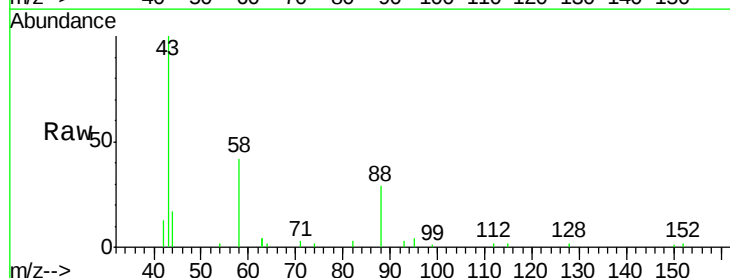
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



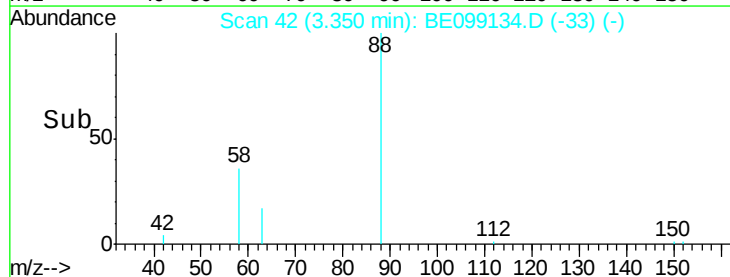
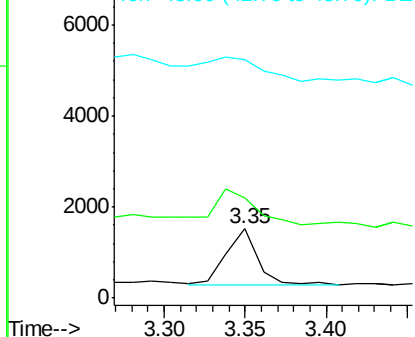
#2

1,4-Dioxane
Concen: 0.258 ng
RT: 3.35 min Scan# 42
Delta R.T. 0.00 min
Lab File: BE099134.D
Acq: 24 Mar 2019 5:35

Tgt Ion: 88 Resp: 1657
Ion Ratio Lower Upper
88 100
58 70.5 52.0 78.0
43 68.9 24.0 36.0#



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: 0.350 ng

RT: 3.66 min Scan# 69

Delta R.T. -0.02 min

Lab File: BE099134.D

Acq: 24 Mar 2019 5:35

Instrument :

BNA_E

ClientSampleId :

PST-026-SW075-031819MS

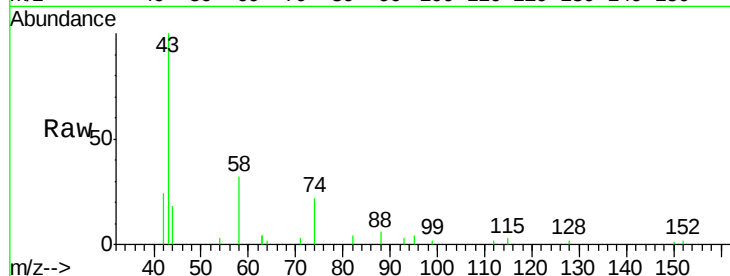
Tot Ion: 42 Resp: 1159

Ion Ratio Lower Upper

42 100

74 213.1 160.0 240.0

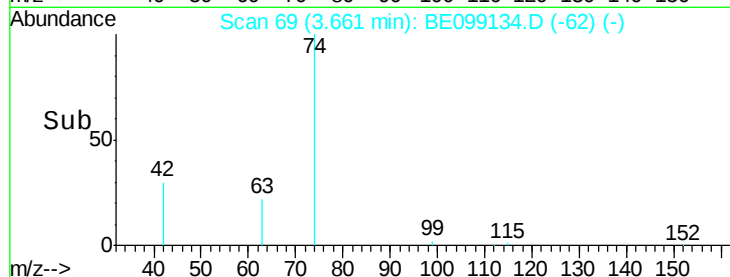
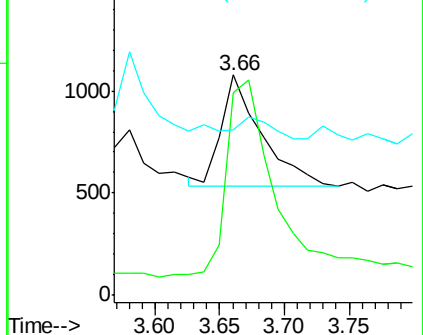
44 16.7 0.0 0.0#



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: 0.390 ng

RT: 5.41 min Scan# 221

Delta R.T. 0.00 min

Lab File: BE099134.D

Acq: 24 Mar 2019 5:35

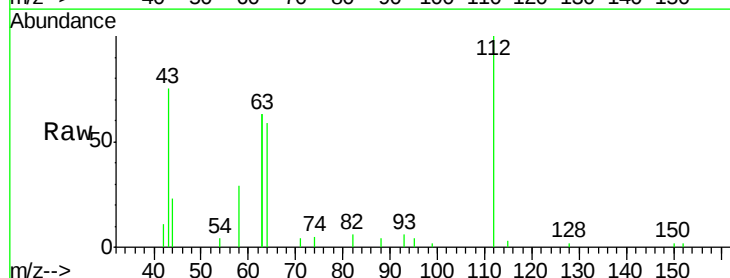
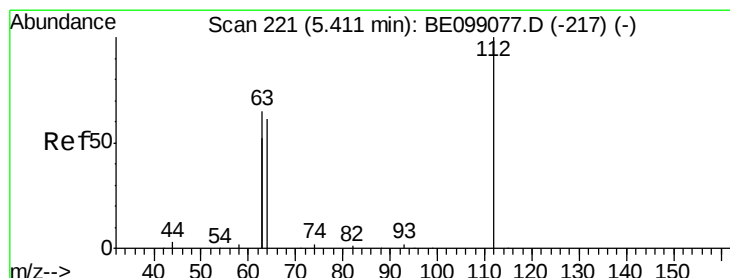
Tgt Ion: 112 Resp: 4806

Ion Ratio Lower Upper

112 100

64 57.7 57.9 86.9#

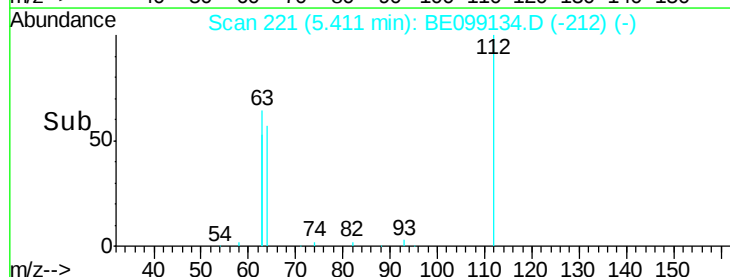
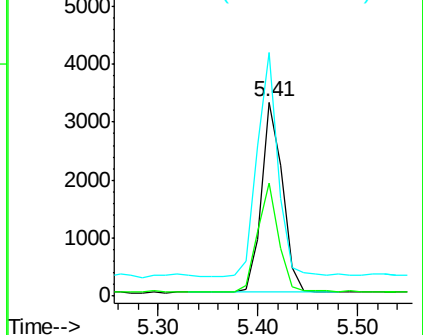
63 117.6 158.3 237.5#

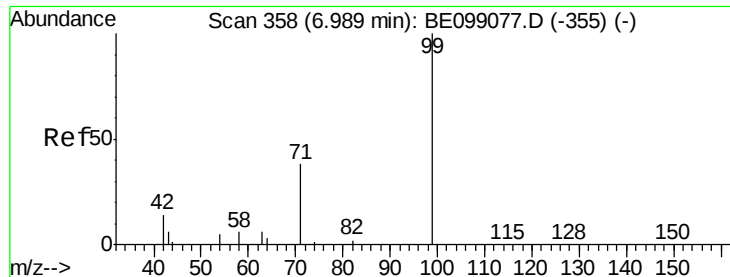


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.370 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.00 min

Lab File: BE099134.D

Acq: 24 Mar 2019 5:35

Instrument :

BNA_E

ClientSampleId :

PST-026-SW075-031819MS

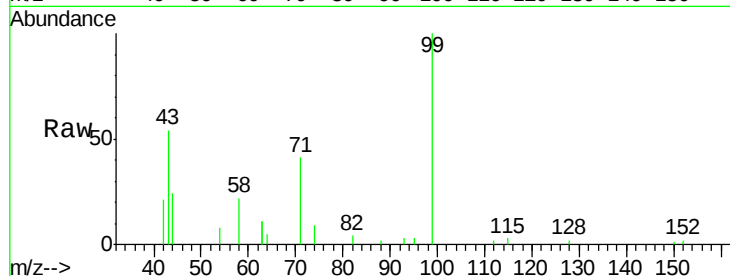
Tot Ion: 99 Resp: 6569

Ion Ratio Lower Upper

99 100

42 21.3 24.2 36.2#

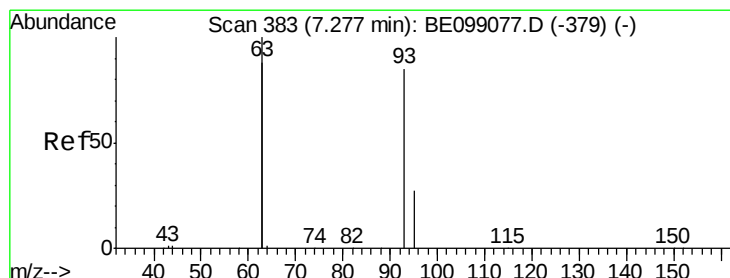
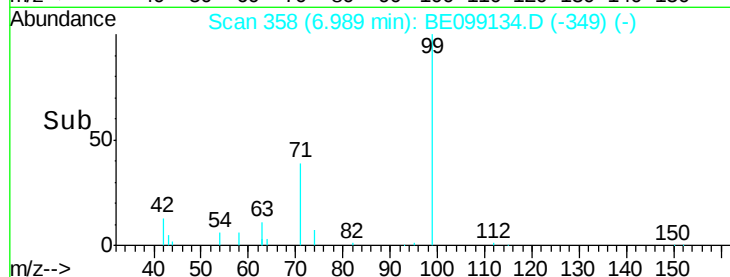
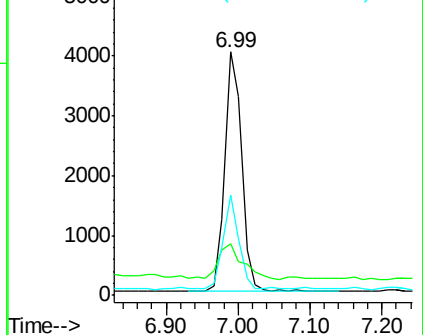
71 36.4 35.7 53.5



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.361 ng

RT: 7.27 min Scan# 382

Delta R.T. -0.01 min

Lab File: BE099134.D

Acq: 24 Mar 2019 5:35

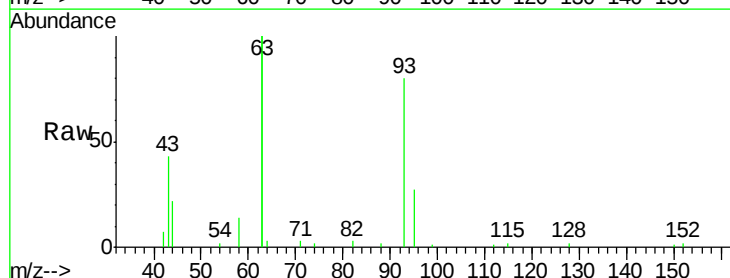
Tgt Ion: 93 Resp: 5206

Ion Ratio Lower Upper

93 100

63 281.9 247.5 371.3

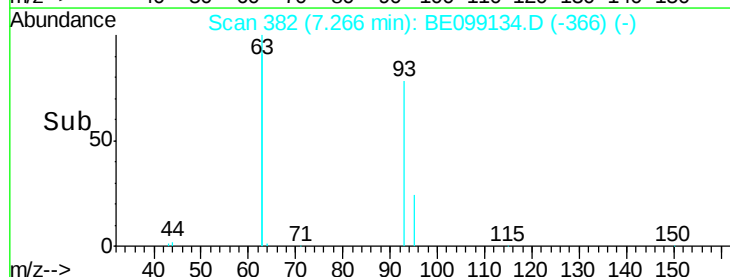
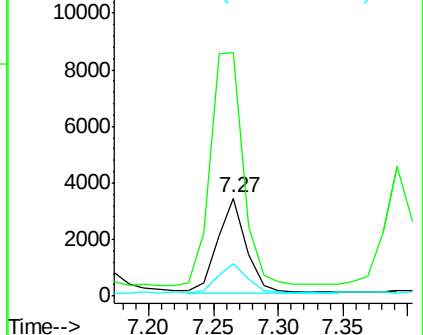
95 34.2 21.8 32.8#

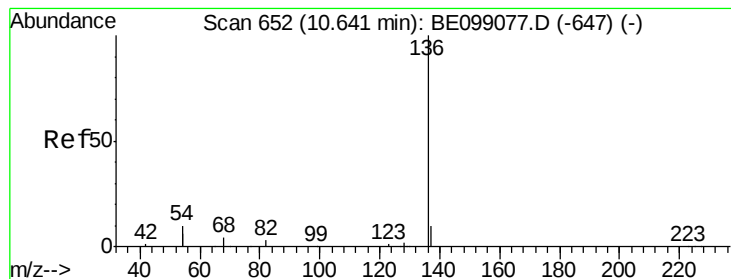


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.63 min Scan# 651

Delta R.T. -0.01 min

Lab File: BE099134.D

Acq: 24 Mar 2019 5:35

Instrument :

BNA_E

ClientSampleId :

PST-026-SW075-031819MS

Tot Ion:136 Resp: 15768

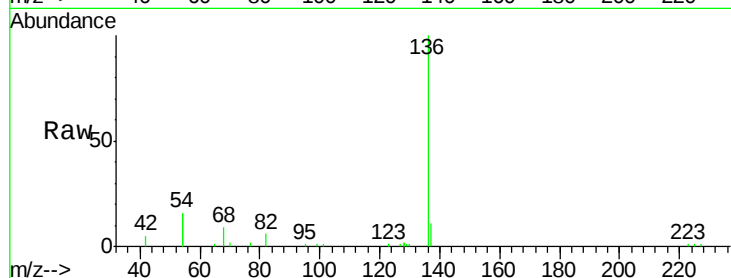
Ion Ratio Lower Upper

136 100

137 11.1 11.4 17.0#

54 32.2 39.3 58.9#

68 8.6 6.7 10.1

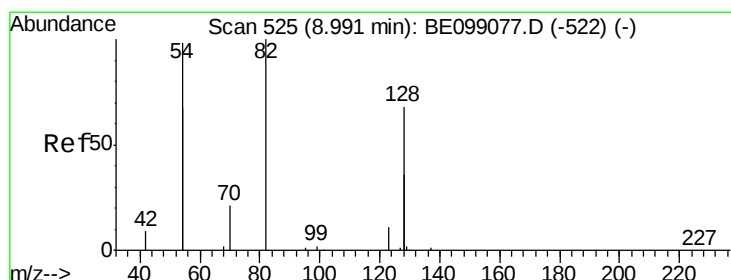
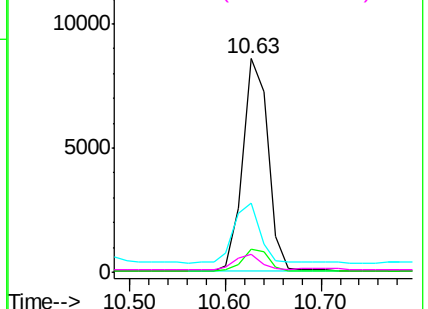
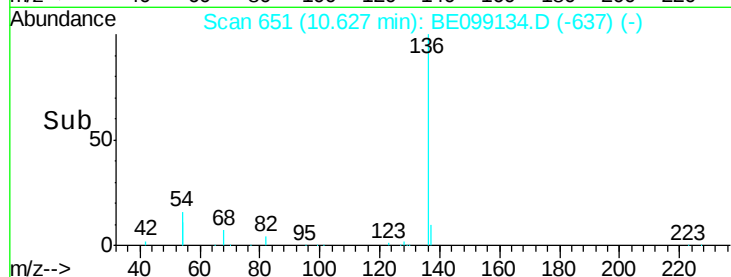


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.718 ng

RT: 8.99 min Scan# 525

Delta R.T. -0.01 min

Lab File: BE099134.D

Acq: 24 Mar 2019 5:35

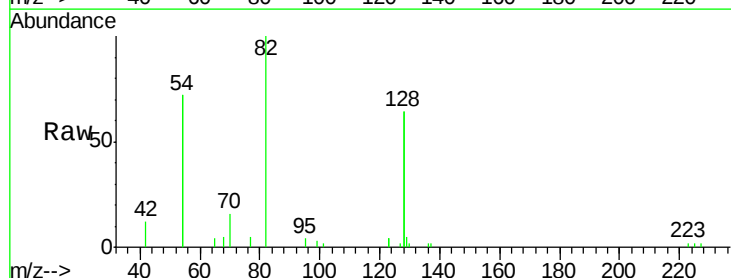
Tgt Ion: 82 Resp: 4950

Ion Ratio Lower Upper

82 100

128 128.7 123.8 185.8

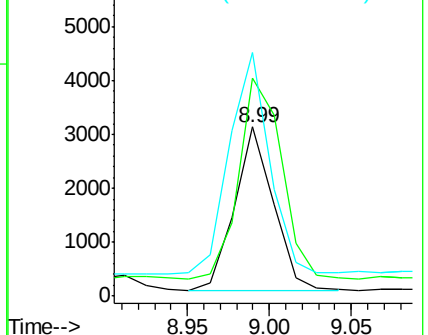
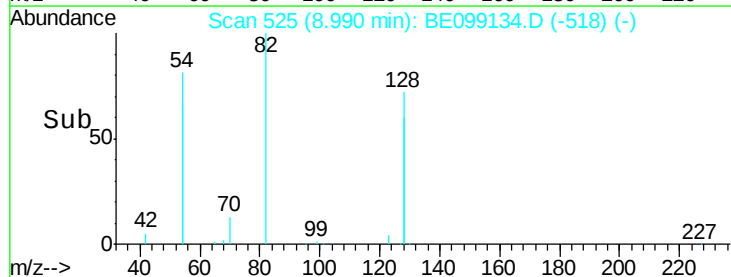
54 144.0 203.4 305.2#

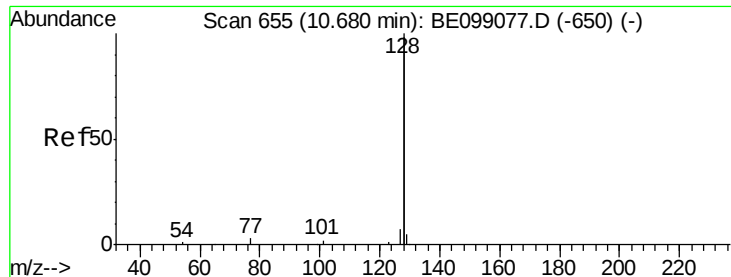


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.363 ng

RT: 10.68 min Scan# 655

Delta R.T. -0.00 min

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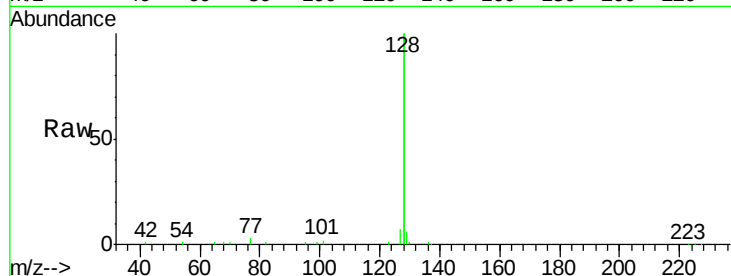
Tot Ion:128 Resp: 67424

Ion Ratio Lower Upper

128 100

129 3.0 2.6 4.0

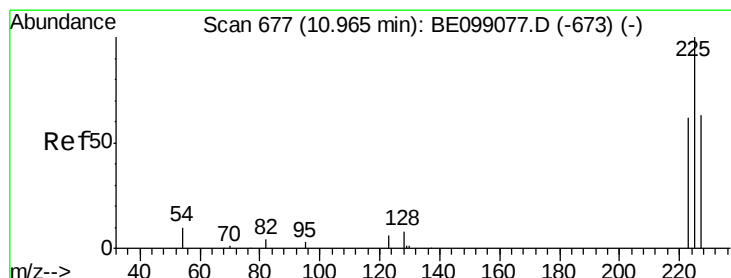
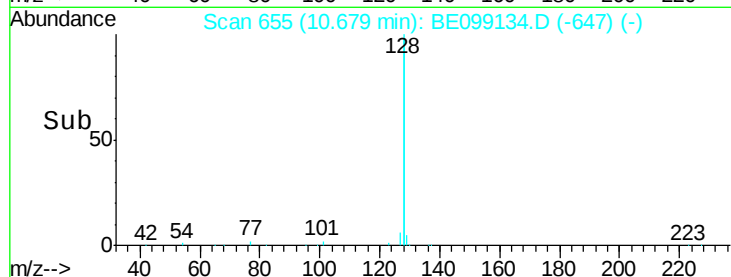
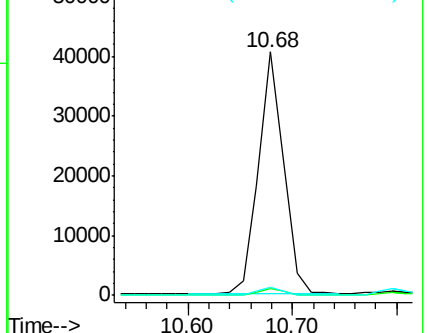
127 3.3 3.1 4.7



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: 0.362 ng

RT: 10.96 min Scan# 677

Delta R.T. -0.00 min

Lab File: BE099134.D

Acq: 24 Mar 2019 5:35

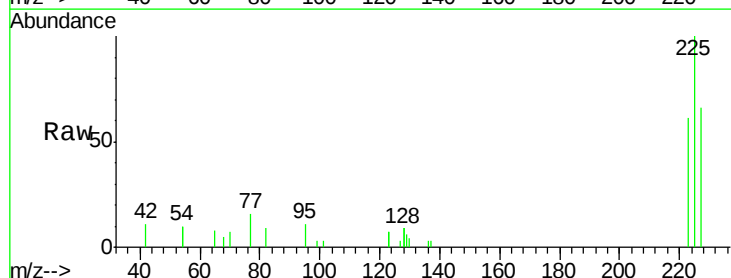
Tgt Ion:225 Resp: 3288

Ion Ratio Lower Upper

225 100

223 61.4 51.1 76.7

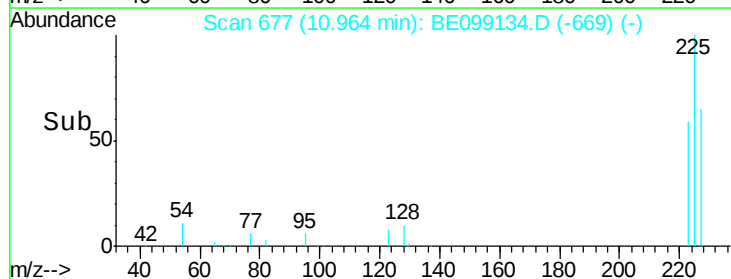
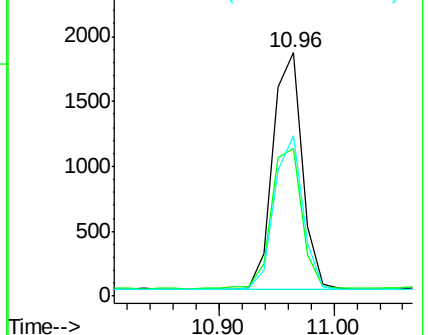
227 63.1 51.6 77.4

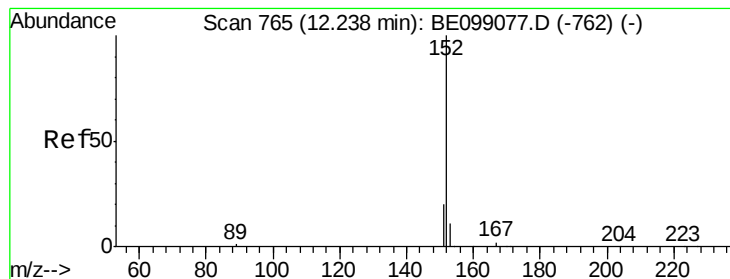


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.497 ng

RT: 12.22 min Scan# 764

Delta R.T. -0.02 min

Lab File: BE099134.D

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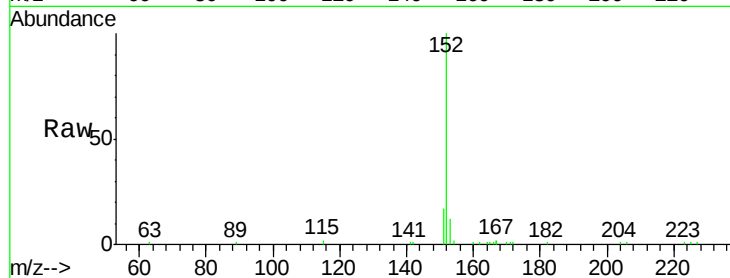
PST-026-SW075-031819MS

Tot Ion:152 Resp: 14112

Ion Ratio Lower Upper

152 100

151 13.7 16.5 24.7#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.22

8000

6000

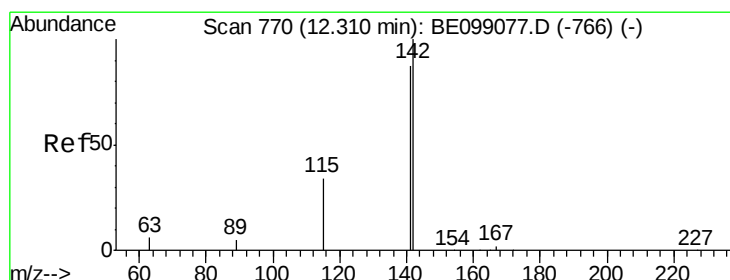
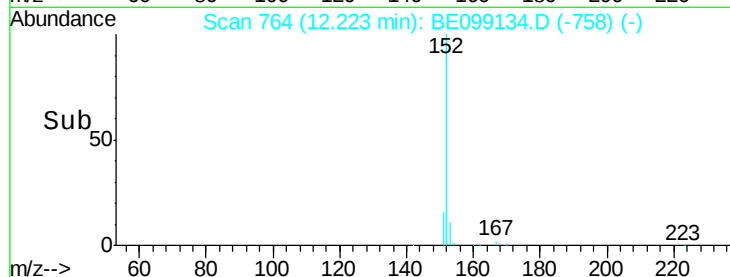
4000

2000

0

12.10 12.20 12.30

Time-->



#12

2-Methylnaphthalene

Concen: 0.364 ng

RT: 12.30 min Scan# 769

Delta R.T. -0.01 min

Lab File: BE099134.D

Acq: 24 Mar 2019 5:35

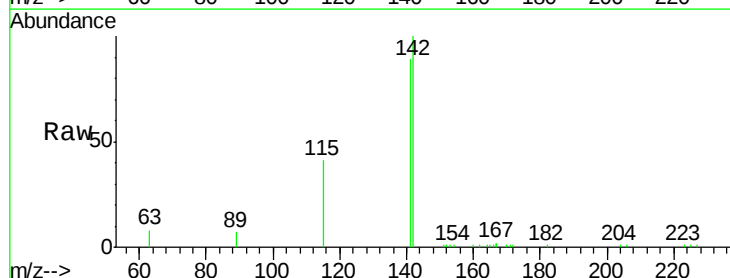
Tgt Ion:142 Resp: 11597

Ion Ratio Lower Upper

142 100

141 88.7 72.6 108.8

115 40.5 37.4 56.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

12.30

10000

8000

6000

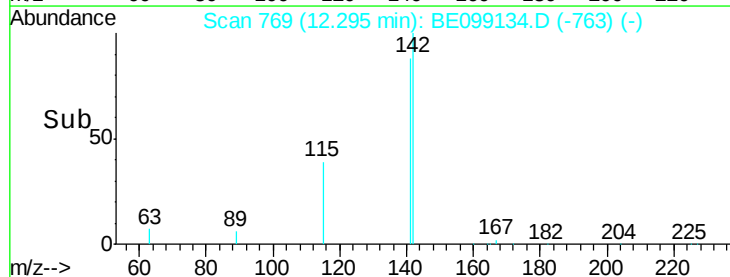
4000

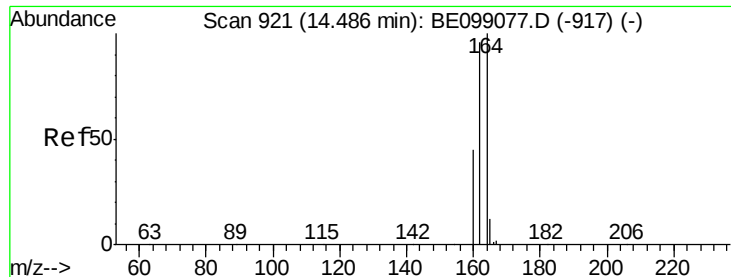
2000

0

12.20 12.30

Time-->

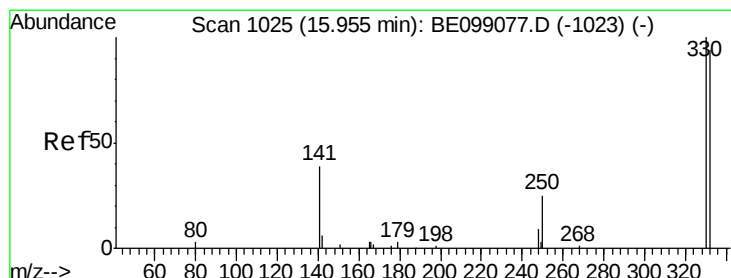
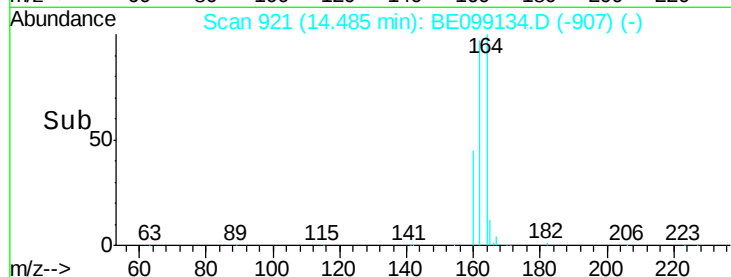
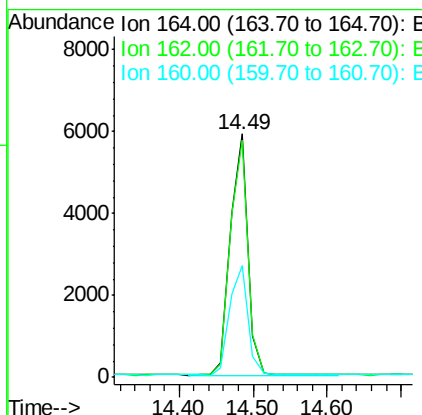
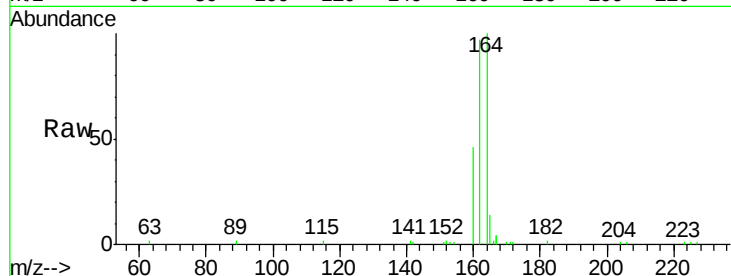




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. -0.00 min
Lab File: BE099134.D
Acq: 24 Mar 2019 5:35

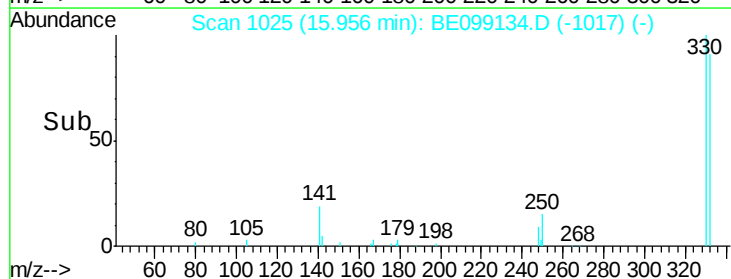
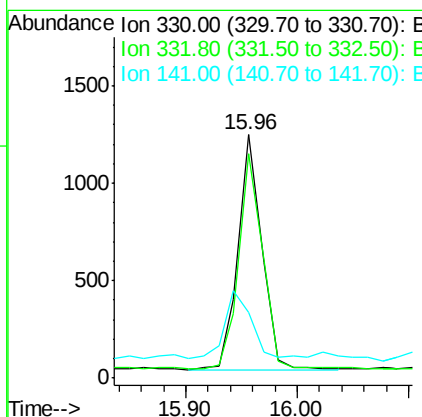
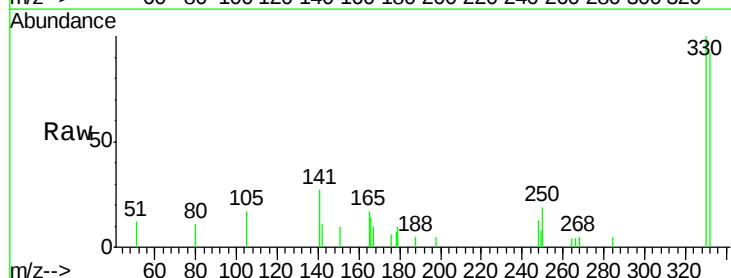
Instrument :
BNA_E
ClientSampleId :
PST-026-SW075-031819MS

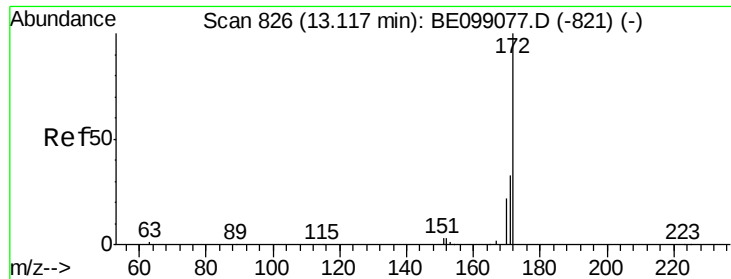
Tot Ion:164 Resp: 9726
Ion Ratio Lower Upper
164 100
162 97.4 80.2 120.2
160 46.1 37.8 56.8



#14
2,4,6-Tribromophenol
Concen: 0.623 ng
RT: 15.96 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BE099134.D
Acq: 24 Mar 2019 5:35

Tgt Ion:330 Resp: 1781
Ion Ratio Lower Upper
330 100
332 91.1 77.6 116.4
141 33.4 31.0 46.4

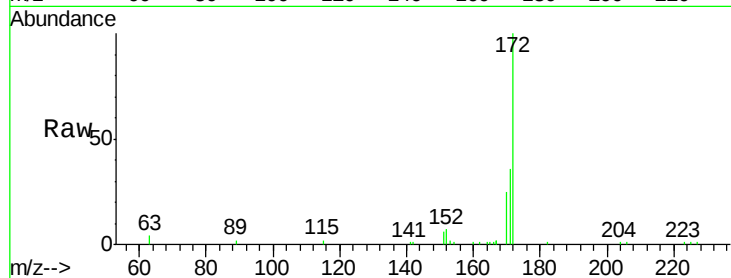




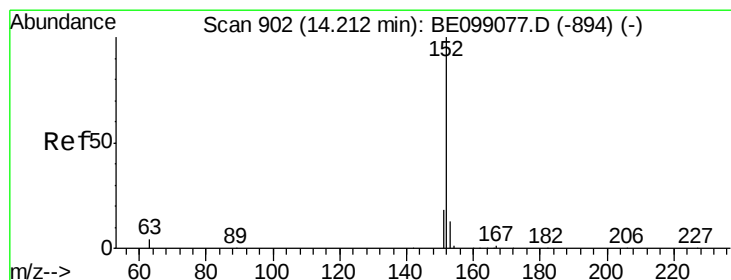
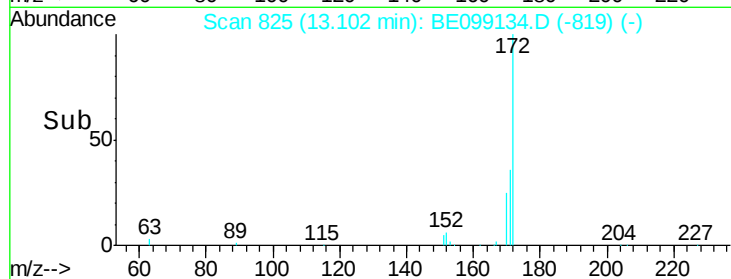
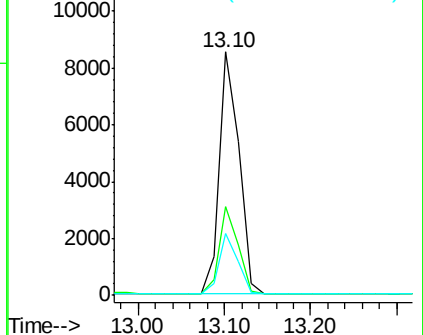
#15
2-Fluorobiphenyl
Concen: 0.347 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.02 min
Lab File: BE099134.D
Acq: 24 Mar 2019 5:35

Instrument :
BNA_E
ClientSampleId :
PST-026-SW075-031819MS

Tot Ion:172 Resp: 13441
Ion Ratio Lower Upper
172 100
171 36.4 28.0 42.0
170 25.4 17.7 26.5

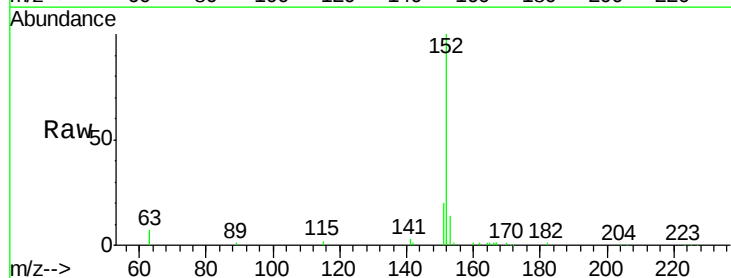


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

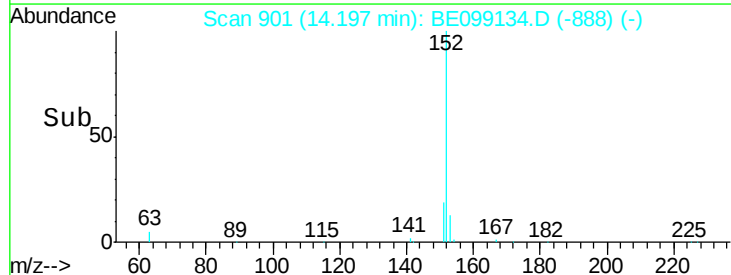
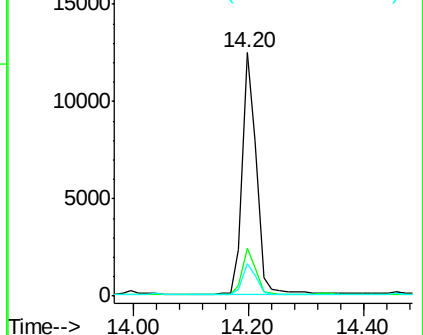


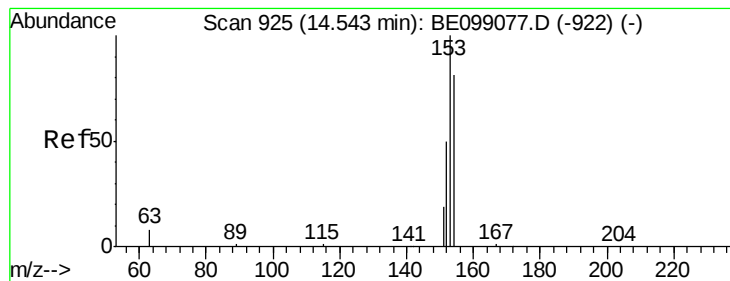
#16
Acenaphthylene
Concen: 0.411 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.01 min
Lab File: BE099134.D
Acq: 24 Mar 2019 5:35

Tgt Ion:152 Resp: 21336
Ion Ratio Lower Upper
152 100
151 18.7 17.0 25.6
153 13.2 11.2 16.8



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





#17

Acenaphthene

Concen: 0.335 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.00 min

Lab File: BE099134.D

Acq: 24 Mar 2019 5:35

Instrument :

BNA_E

ClientSampleId :

PST-026-SW075-031819MS

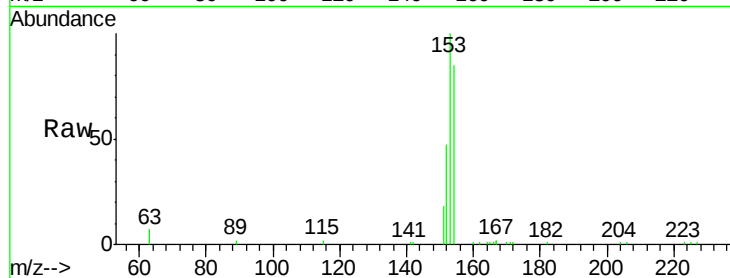
Tot Ion:154 Resp: 10302

Ion Ratio Lower Upper

154 100

153 119.1 94.2 141.4

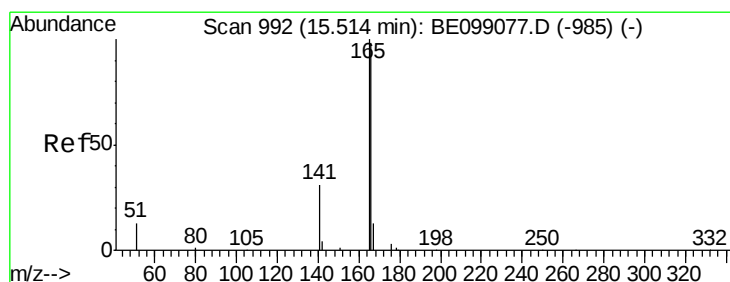
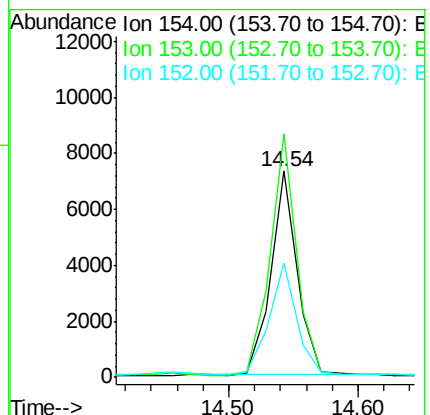
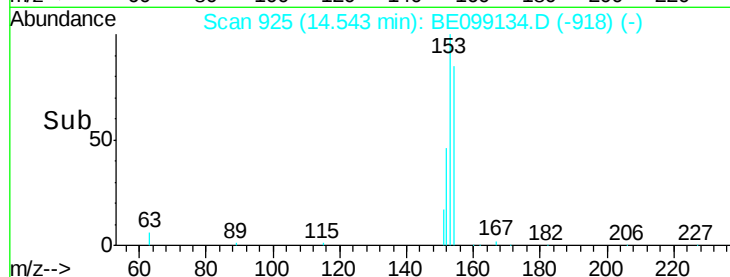
152 56.5 45.0 67.4



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: 0.347 ng

RT: 15.51 min Scan# 992

Delta R.T. 0.00 min

Lab File: BE099134.D

Acq: 24 Mar 2019 5:35

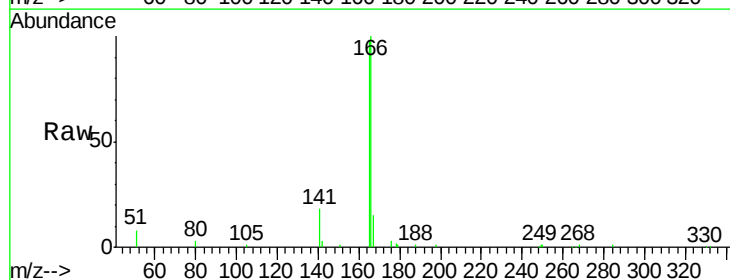
Tgt Ion:166 Resp: 15563

Ion Ratio Lower Upper

166 100

165 101.9 79.3 118.9

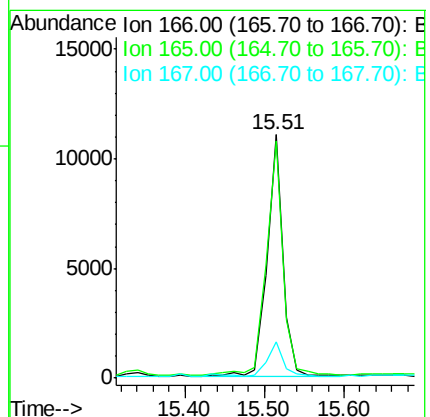
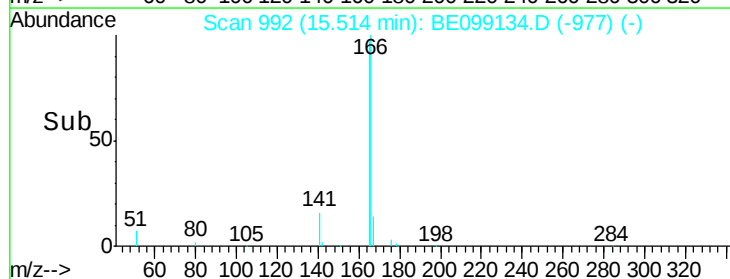
167 14.0 10.5 15.7

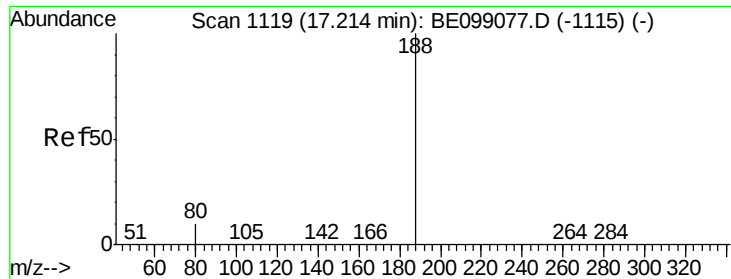


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.21 min Scan# 1119

Delta R.T. 0.00 min

Lab File: BE099134.D

Acq: 24 Mar 2019 5:35

Instrument :

BNA_E

ClientSampleId :

PST-026-SW075-031819MS

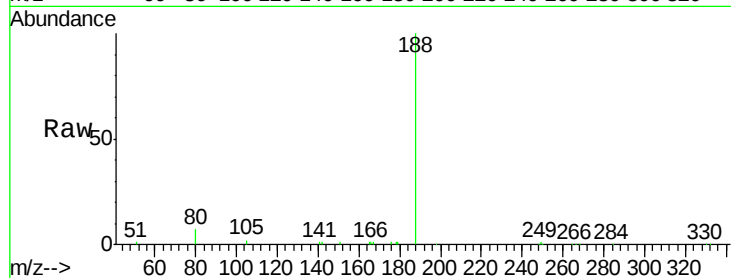
Tot Ion:188 Resp: 24994

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

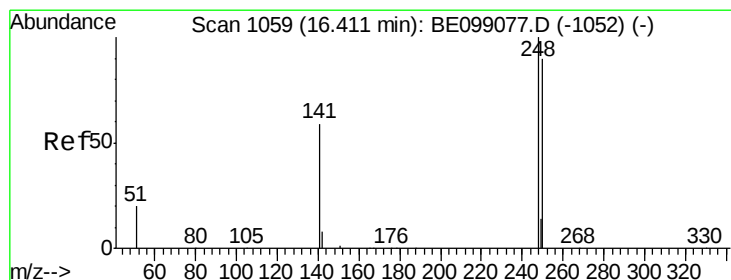
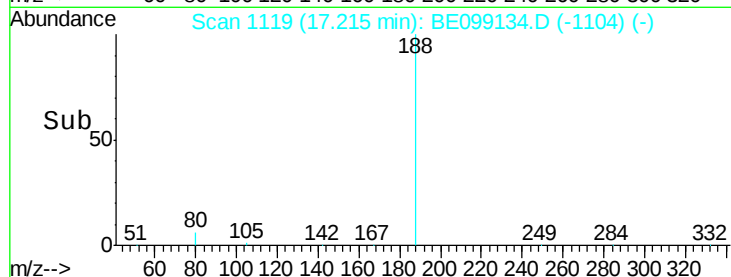
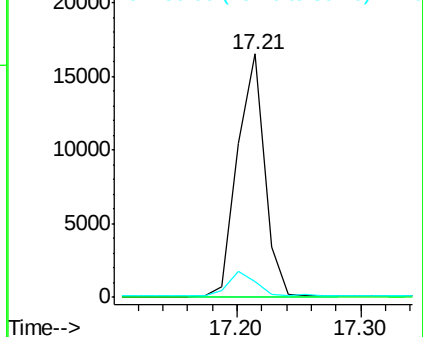
80 6.7 6.3 9.5



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: 0.357 ng

RT: 16.41 min Scan# 1059

Delta R.T. 0.00 min

Lab File: BE099134.D

Acq: 24 Mar 2019 5:35

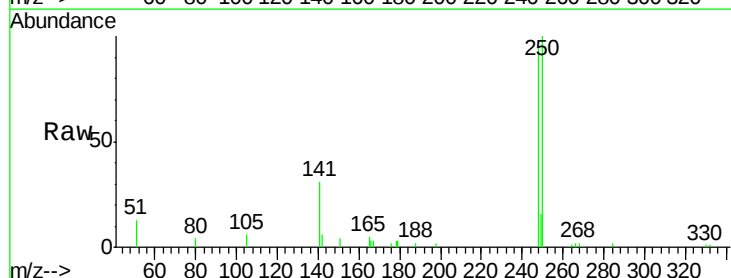
Tgt Ion:248 Resp: 4940

Ion Ratio Lower Upper

248 100

250 106.6 70.6 105.8#

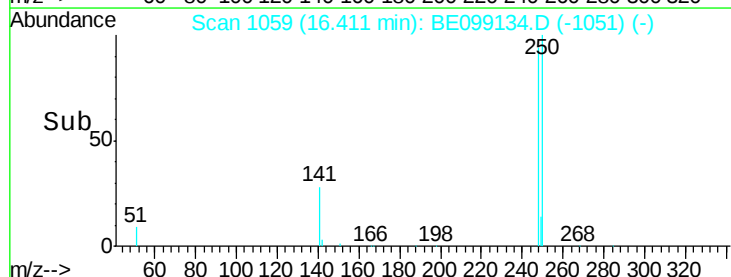
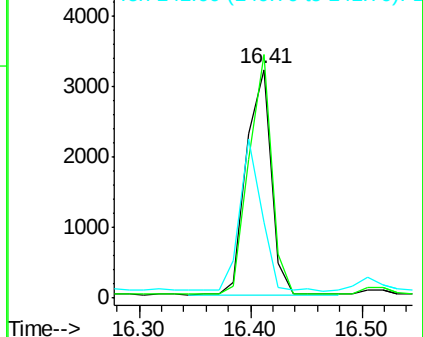
141 33.2 68.6 102.8#

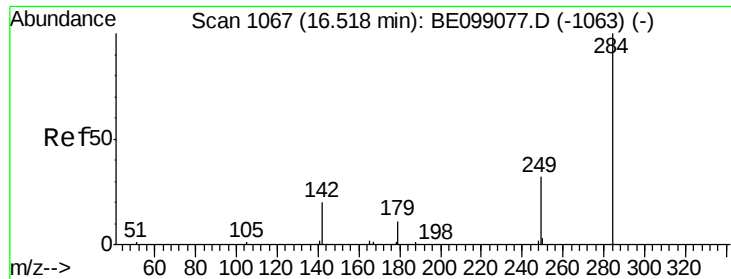


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

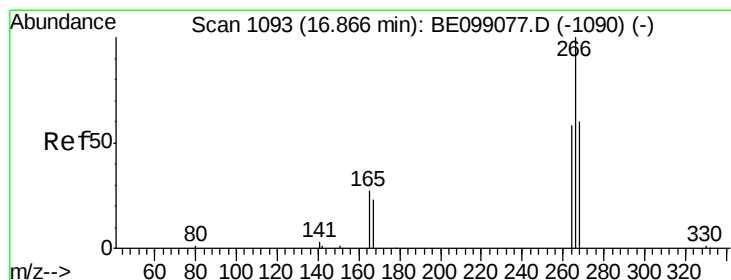
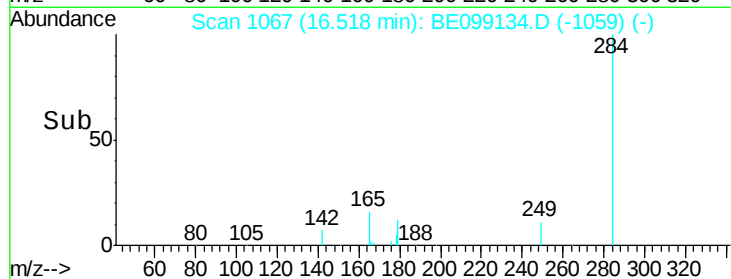
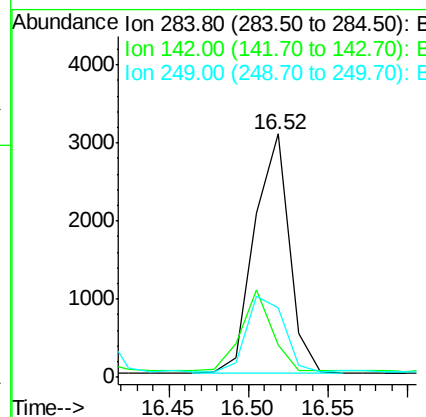
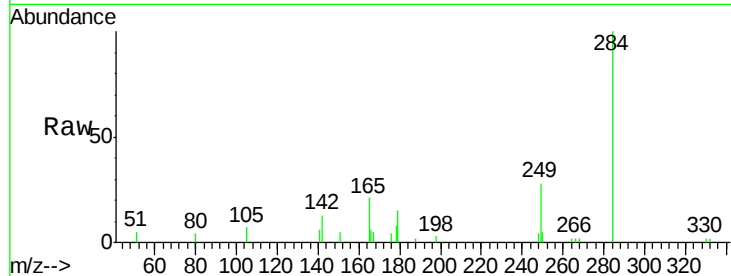




#21
Hexachlorobenzene
Concen: 0.364 ng
RT: 16.52 min Scan# 1067
Delta R.T. 0.00 min
Lab File: BE099134.D
Acq: 24 Mar 2019 5:35

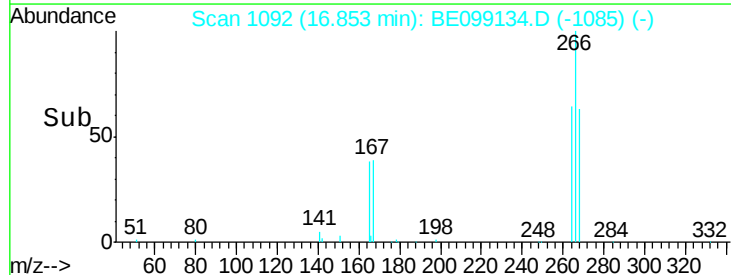
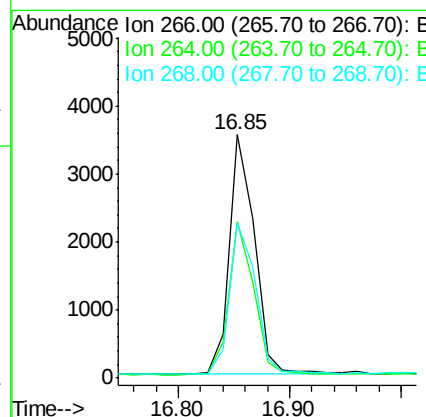
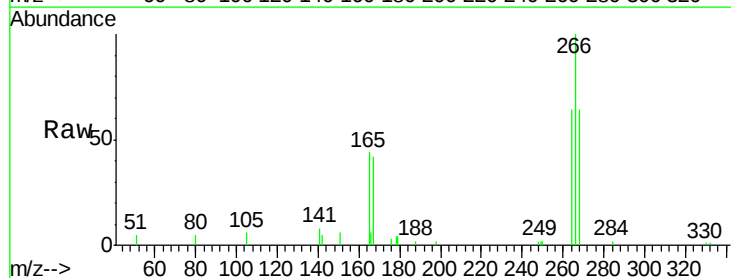
Instrument :
BNA_E
ClientSampleId :
PST-026-SW075-031819MS

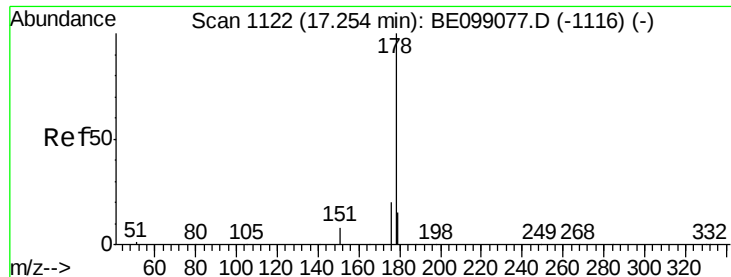
Tot Ion:284 Resp: 4678
Ion Ratio Lower Upper
284 100
142 29.9 28.7 43.1
249 34.2 29.6 44.4



#22
Pentachlorophenol
Concen: 1.298 ng
RT: 16.85 min Scan# 1092
Delta R.T. -0.01 min
Lab File: BE099134.D
Acq: 24 Mar 2019 5:35

Tgt Ion:266 Resp: 5508
Ion Ratio Lower Upper
266 100
264 64.3 66.6 100.0#
268 63.9 69.8 104.8#





#23

Phenanthrene

Concen: 0.729 ng

RT: 17.25 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BE099134.D

Acq: 24 Mar 2019 5:35

Instrument :

BNA_E

ClientSampleId :

PST-026-SW075-031819MS

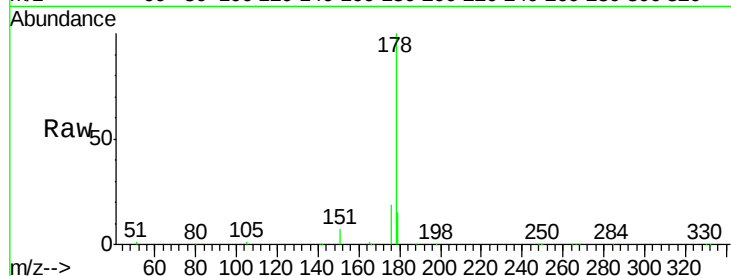
Tot Ion:178 Resp: 54125

Ion Ratio Lower Upper

178 100

176 19.3 16.0 24.0

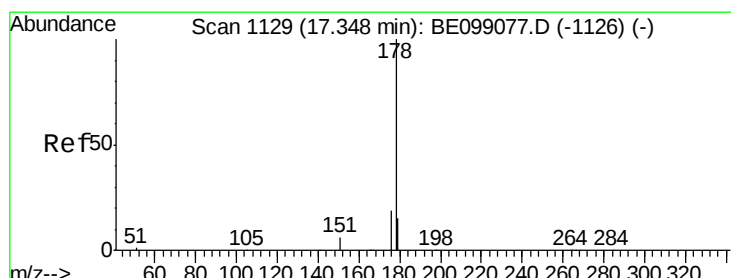
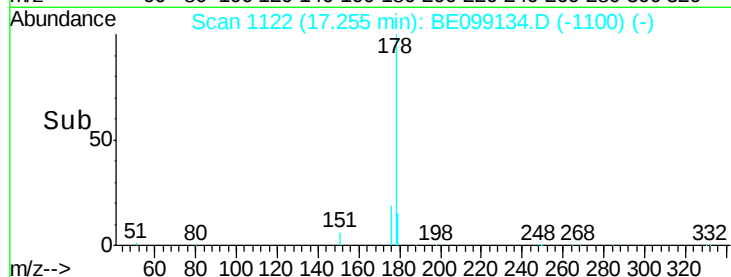
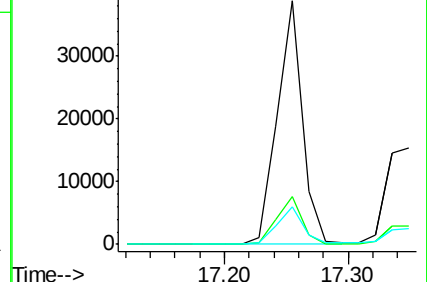
179 15.3 12.1 18.1



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: 0.391 ng

RT: 17.35 min Scan# 1129

Delta R.T. 0.00 min

Lab File: BE099134.D

Acq: 24 Mar 2019 5:35

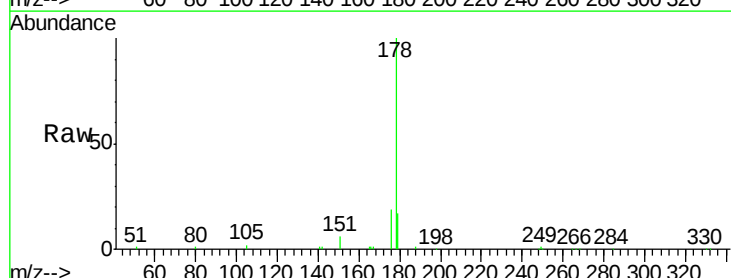
Tgt Ion:178 Resp: 27460

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.0

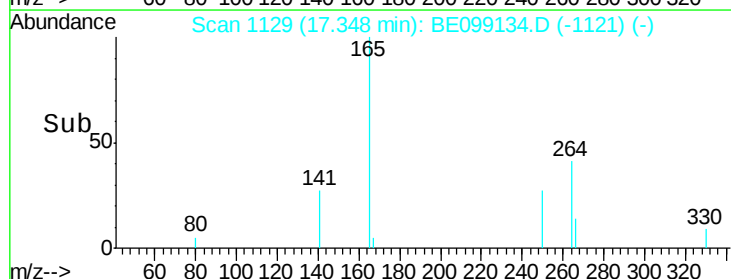
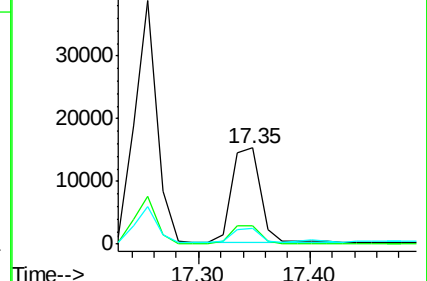
179 14.9 12.2 18.4

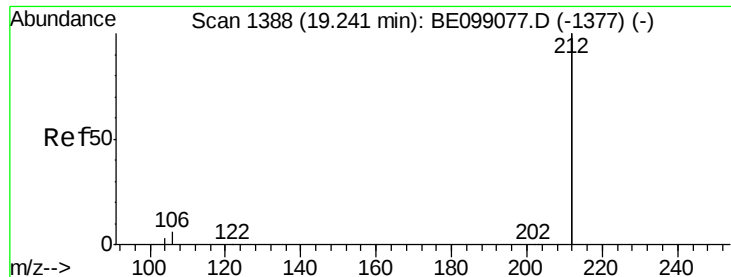


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.385 ng

RT: 19.24 min Scan# 1387

Delta R.T. -0.01 min

Lab File: BE099134.D

Acq: 24 Mar 2019 5:35

Instrument :

BNA_E

ClientSampleId :

PST-026-SW075-031819MS

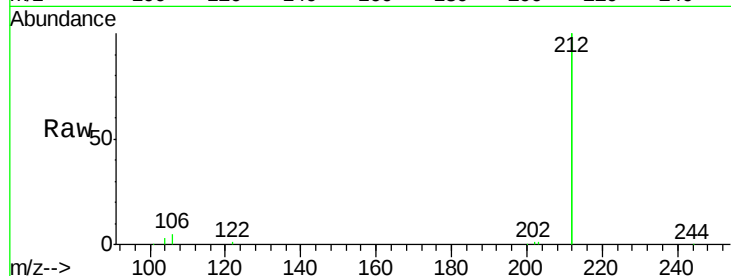
Tot Ion:212 Resp: 128485

Ion Ratio Lower Upper

212 100

106 2.6 1.8 2.8

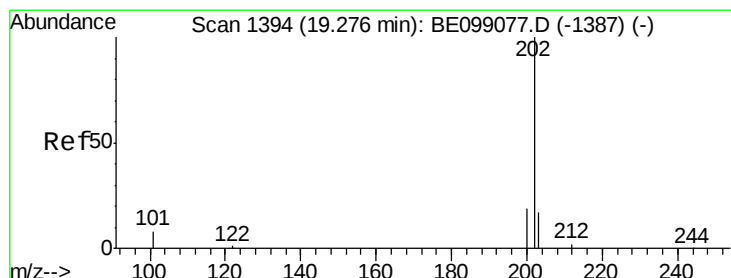
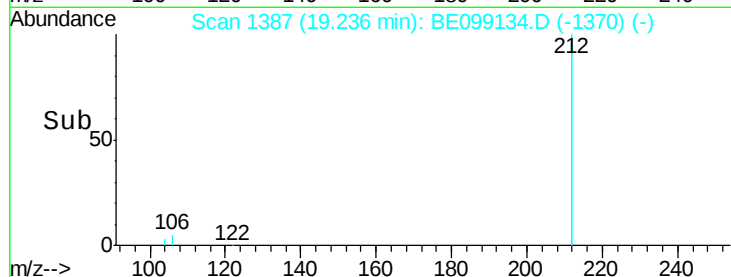
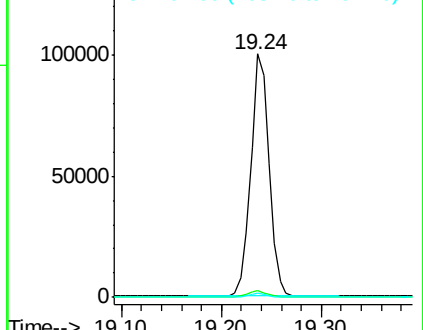
104 1.5 1.0 1.6



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: 0.867 ng

RT: 19.27 min Scan# 1393

Delta R.T. -0.01 min

Lab File: BE099134.D

Acq: 24 Mar 2019 5:35

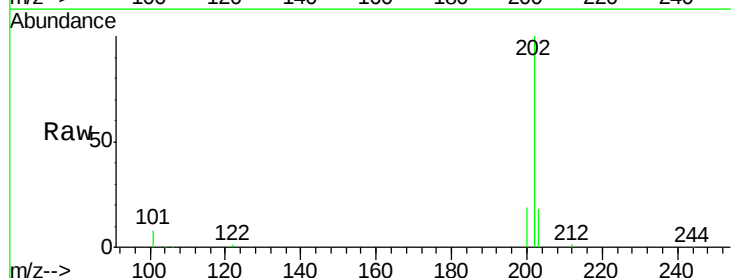
Tgt Ion:202 Resp: 90580

Ion Ratio Lower Upper

202 100

101 9.3 7.3 10.9

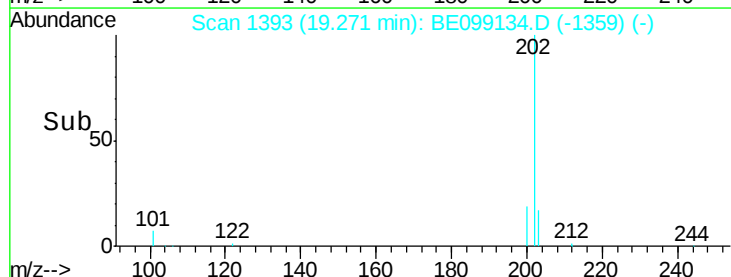
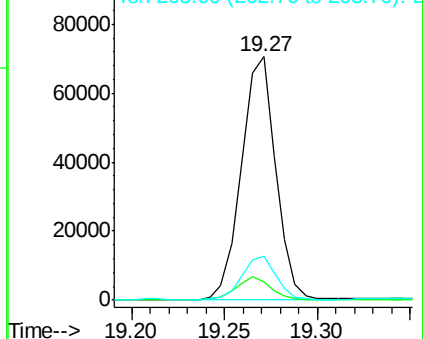
203 17.5 13.4 20.2



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

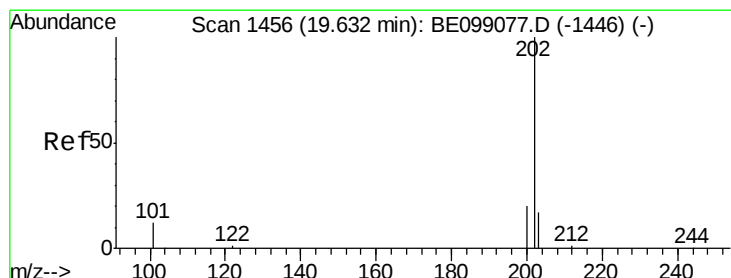
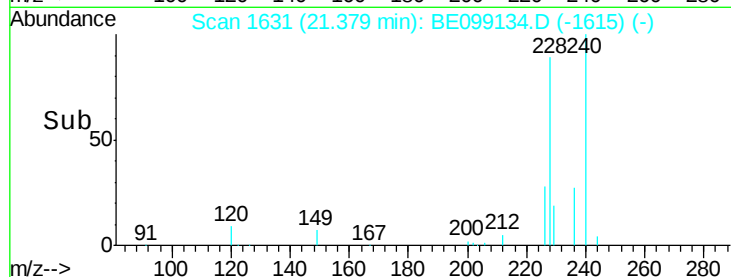
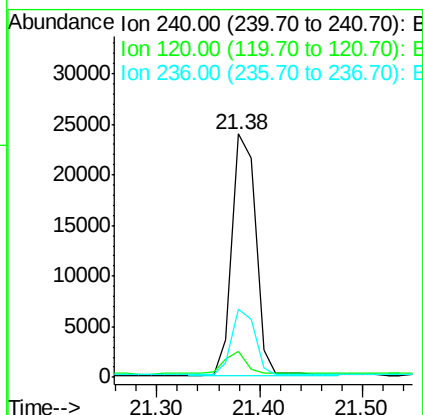
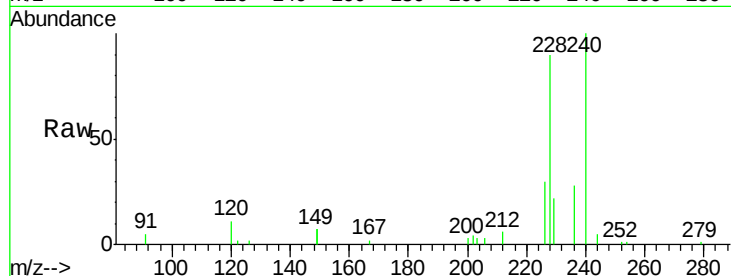




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.38 min Scan# 1631
 Delta R.T. -0.01 min
 Lab File: BE099134.D
 Acq: 24 Mar 2019 5:35

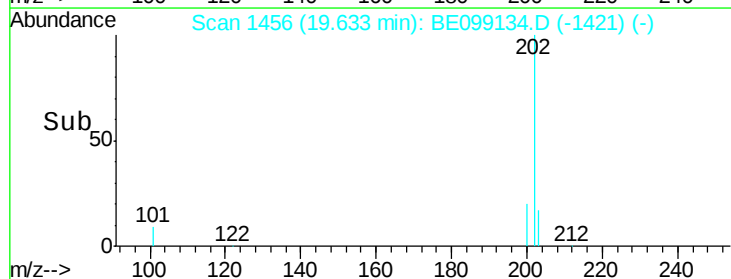
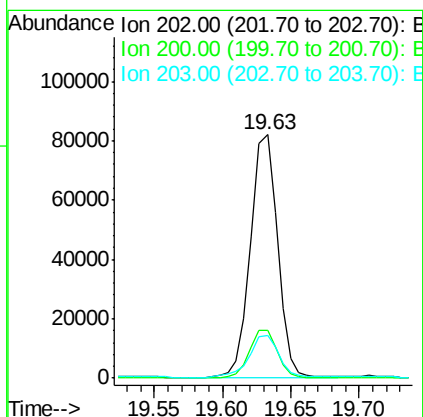
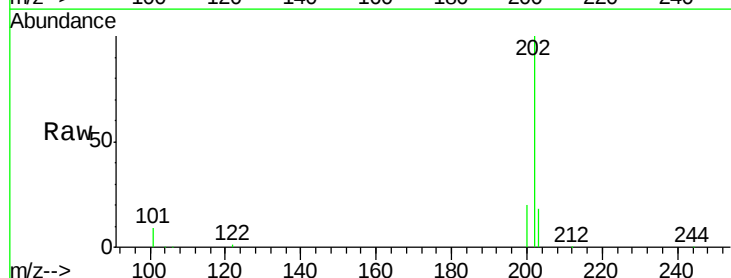
Instrument :
 BNA_E
 ClientSampleId :
 PST-026-SW075-031819MS

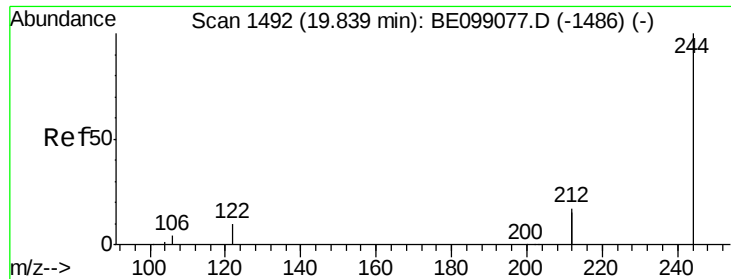
Tot Ion:240 Resp: 37824
 Ion Ratio Lower Upper
 240 100
 120 10.9 5.0 7.4#
 236 28.2 22.7 34.1



#28
 Pyrene
 Concen: 0.871 ng
 RT: 19.63 min Scan# 1456
 Delta R.T. 0.00 min
 Lab File: BE099134.D
 Acq: 24 Mar 2019 5:35

Tgt Ion:202 Resp: 111725
 Ion Ratio Lower Upper
 202 100
 200 20.2 17.0 25.6
 203 19.2 14.2 21.2





#29

Terphenyl-d14

Concen: 0.281 ng

RT: 19.83 min Scan# 1491

Delta R.T. -0.01 min

Lab File: BE099134.D

Acq: 24 Mar 2019 5:35

Instrument :

BNA_E

ClientSampleId :

PST-026-SW075-031819MS

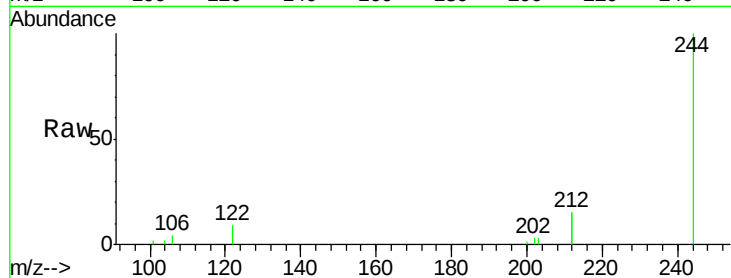
Tot Ion:244 Resp: 22503

Ion Ratio Lower Upper

244 100

212 29.9 29.4 44.2

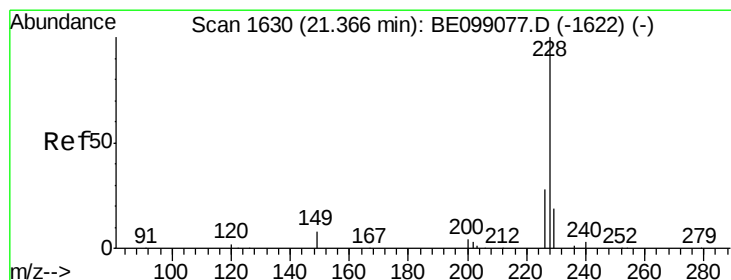
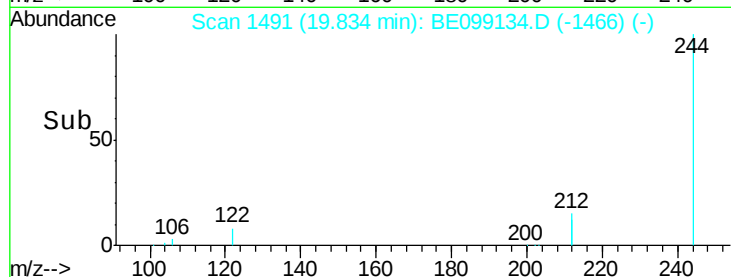
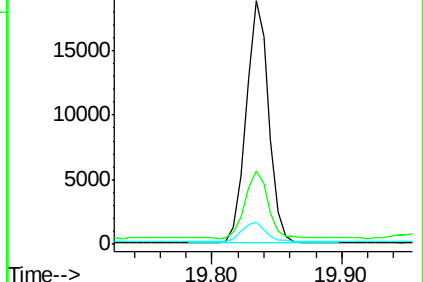
122 9.1 7.1 10.7



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: 0.624 ng

RT: 21.37 min Scan# 1630

Delta R.T. 0.00 min

Lab File: BE099134.D

Acq: 24 Mar 2019 5:35

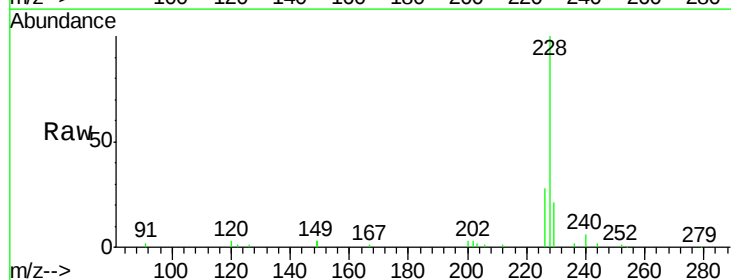
Tgt Ion:228 Resp: 83160

Ion Ratio Lower Upper

228 100

226 28.2 23.0 34.4

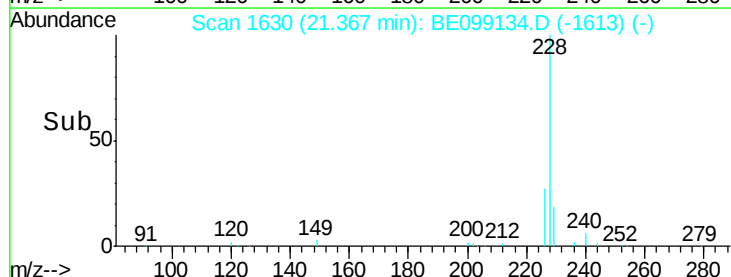
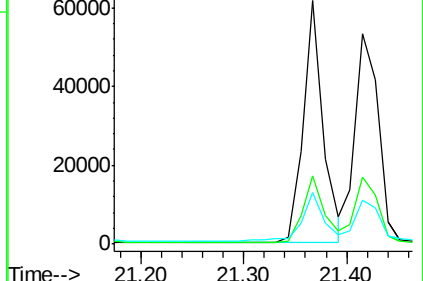
229 21.0 16.5 24.7

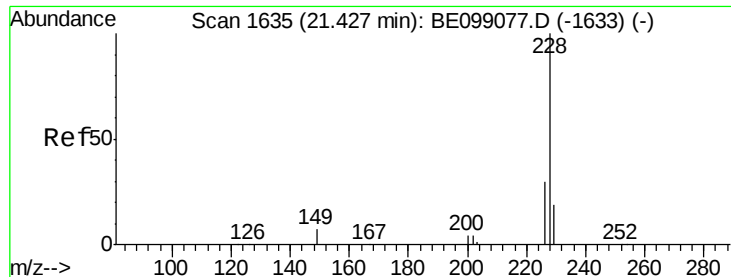


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.619 ng

RT: 21.42 min Scan# 1634

Delta R.T. -0.01 min

Lab File: BE099134.D

Acq: 24 Mar 2019 5:35

Instrument :

BNA_E

ClientSampleId :

PST-026-SW075-031819MS

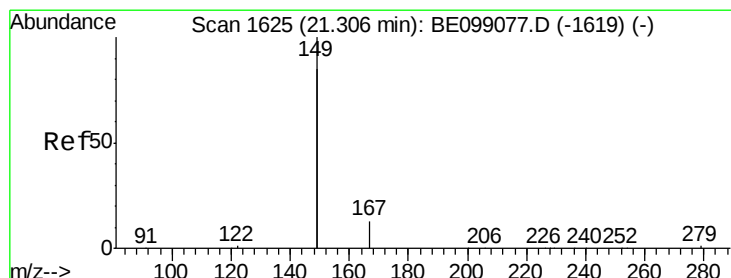
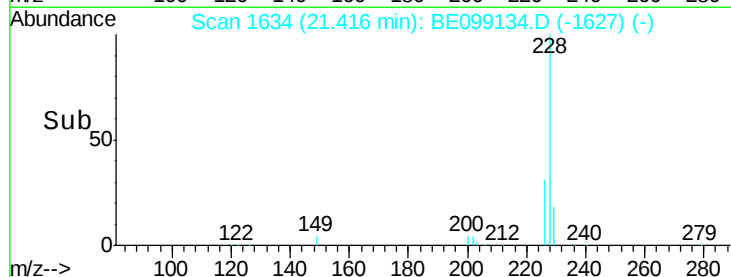
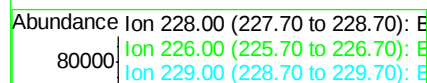
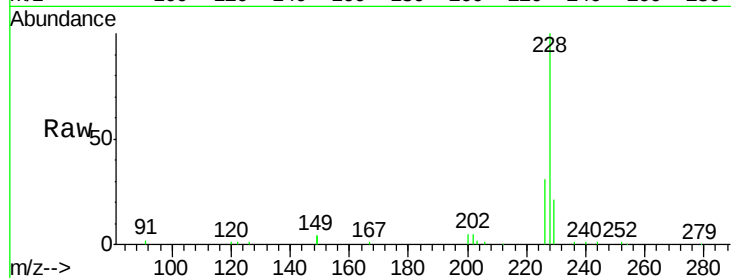
Tot Ion:228 Resp: 82388

Ion Ratio Lower Upper

228 100

226 31.5 23.7 35.5

229 20.8 16.1 24.1



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.577 ng

RT: 21.29 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BE099134.D

Acq: 24 Mar 2019 5:35

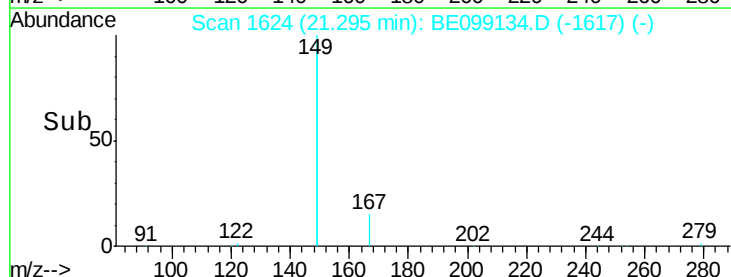
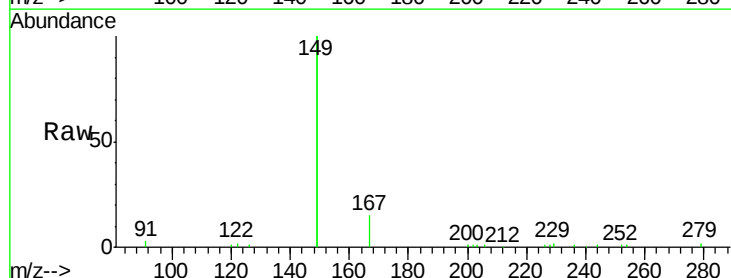
Tgt Ion:149 Resp: 99779

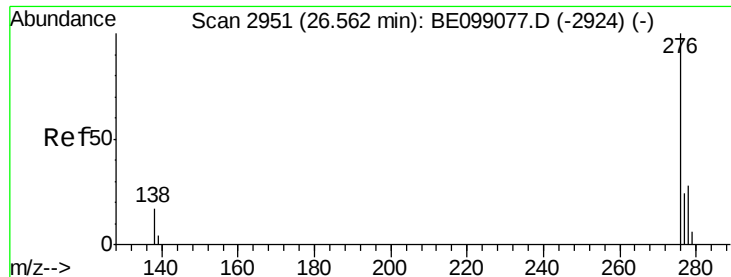
Ion Ratio Lower Upper

149 100

167 7.2 5.4 8.0

279 1.1 1.0 1.4

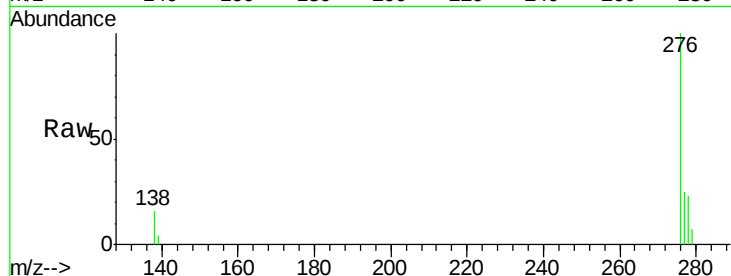




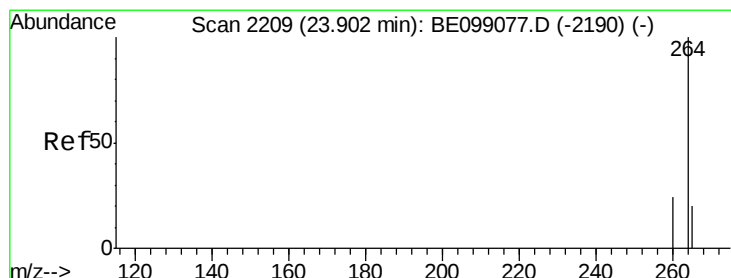
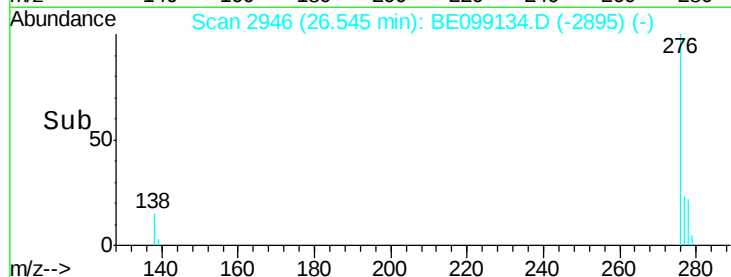
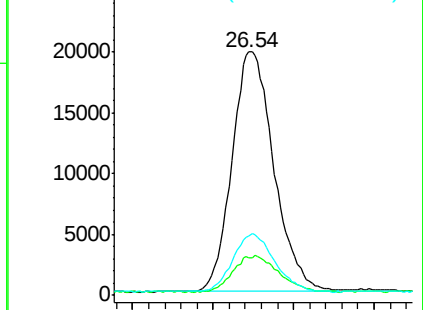
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.500 ng
 RT: 26.54 min Scan# 2946
 Delta R.T. -0.02 min
 Lab File: BE099134.D
 Acq: 24 Mar 2019 5:35

Instrument :
 BNA_E
 ClientSampleId :
 PST-026-SW075-031819MS

Tot Ion:276 Resp: 71510
 Ion Ratio Lower Upper
 276 100
 138 16.5 13.8 20.8
 277 24.0 19.5 29.3

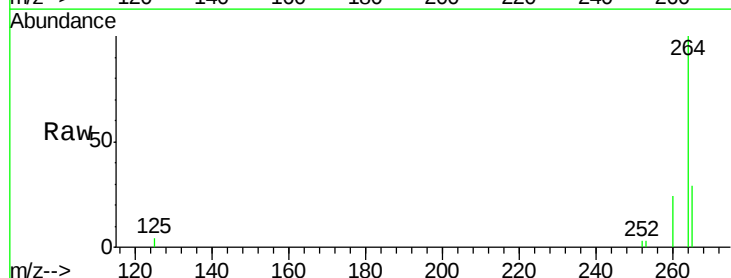


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

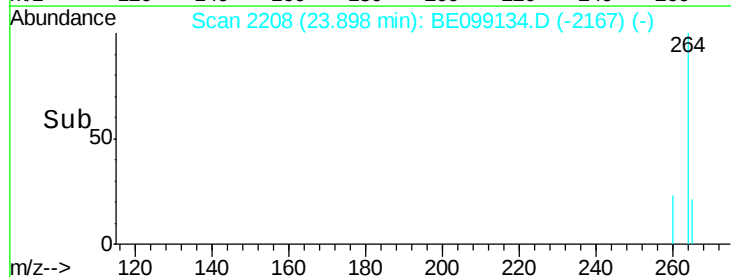
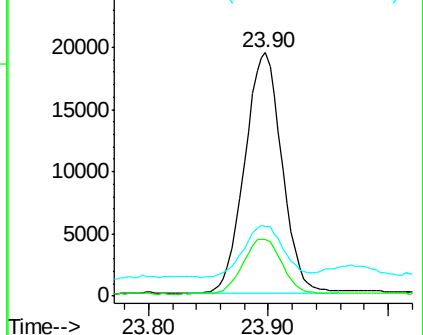


#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.90 min Scan# 2208
 Delta R.T. -0.00 min
 Lab File: BE099134.D
 Acq: 24 Mar 2019 5:35

Tgt Ion:264 Resp: 41952
 Ion Ratio Lower Upper
 264 100
 260 23.5 21.2 31.8
 265 28.7 24.6 36.8



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: 0.571 ng

RT: 23.12 min Scan# 1990

Delta R.T. -0.01 min

Lab File: BE099134.D

Acq: 24 Mar 2019 5:35

Instrument :

BNA_E

ClientSampleId :

PST-026-SW075-031819MS

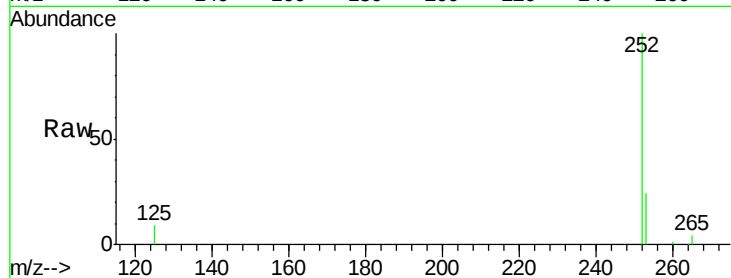
Tot Ion:252 Resp: 82811

Ion Ratio Lower Upper

252 100

253 23.8 18.2 27.2

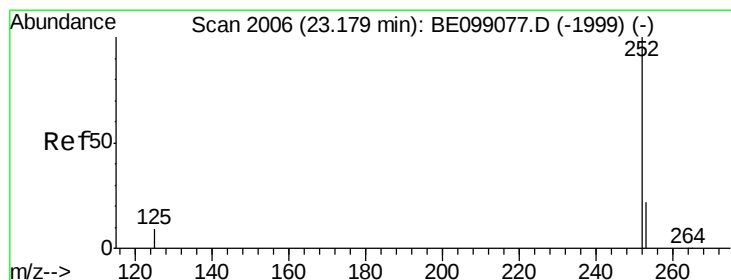
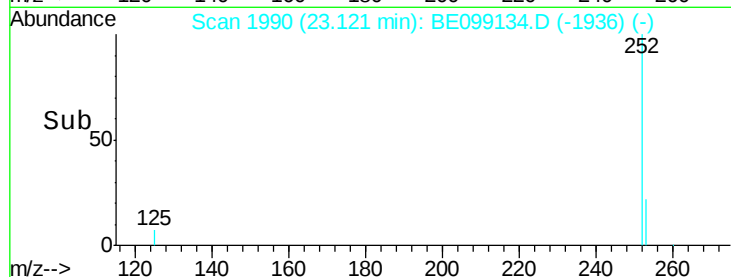
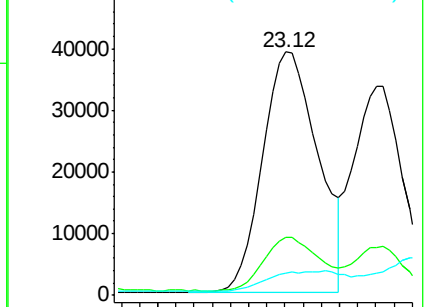
125 9.1 7.3 10.9



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



#36

Benzo(k)fluoranthene

Concen: 0.442 ng

RT: 23.17 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BE099134.D

Acq: 24 Mar 2019 5:35

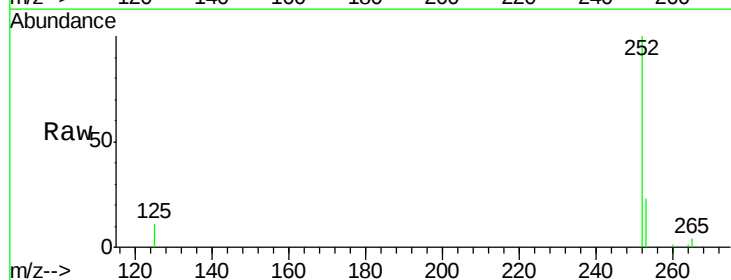
Tgt Ion:252 Resp: 62884

Ion Ratio Lower Upper

252 100

253 23.2 19.3 28.9

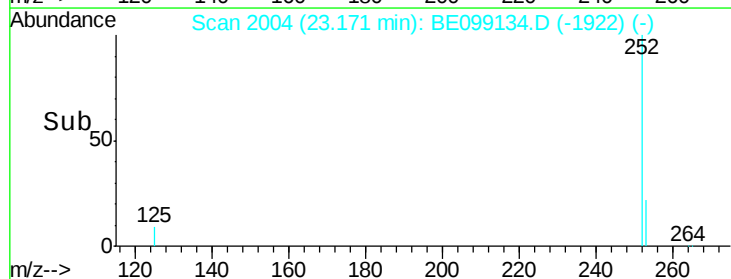
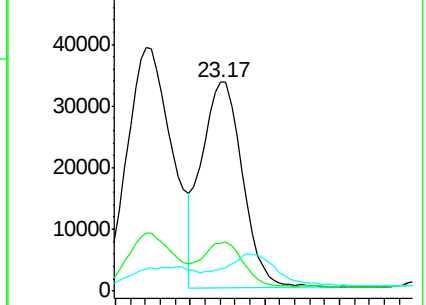
125 10.7 7.5 11.3



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(a)pyrene

Concen: 0.566 ng

RT: 23.78 min Scan# 2175

Delta R.T. -0.01 min

Lab File: BE099134.D

Acq: 24 Mar 2019 5:35

Instrument :

BNA_E

ClientSampleId :

PST-026-SW075-031819MS

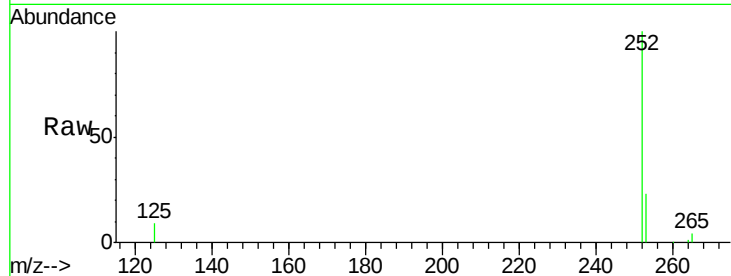
Tot Ion:252 Resp: 75988

Ion Ratio Lower Upper

252 100

253 23.4 19.9 29.9

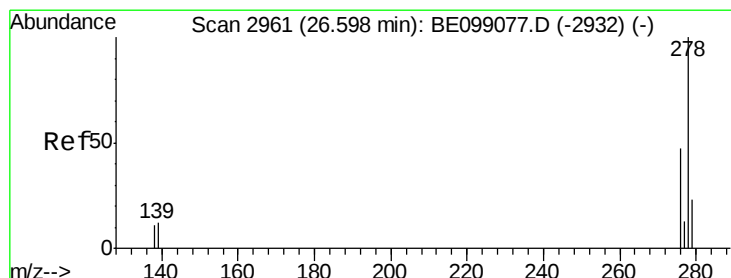
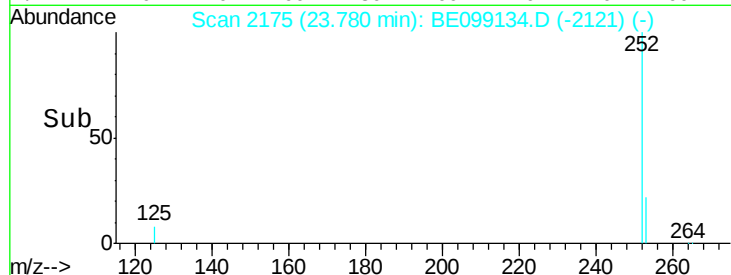
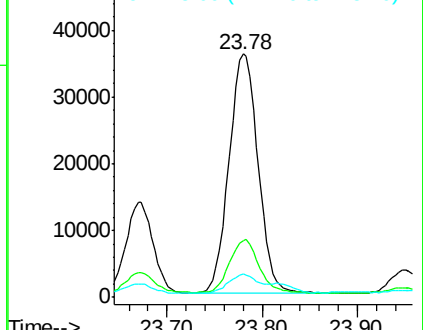
125 9.4 9.0 13.4



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



#38

Dibenzo(a,h)anthracene

Concen: 0.362 ng

RT: 26.58 min Scan# 2955

Delta R.T. -0.02 min

Lab File: BE099134.D

Acq: 24 Mar 2019 5:35

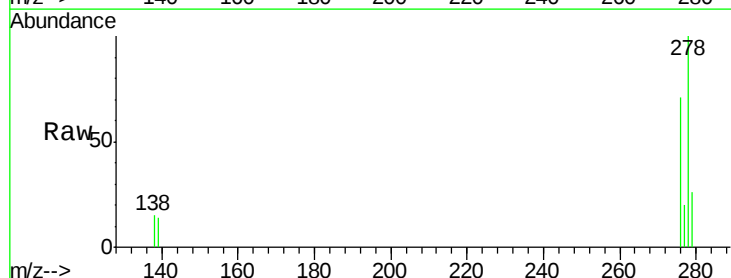
Tgt Ion:278 Resp: 47172

Ion Ratio Lower Upper

278 100

139 13.6 11.8 17.6

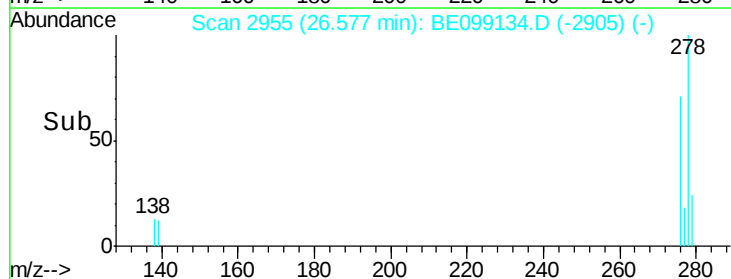
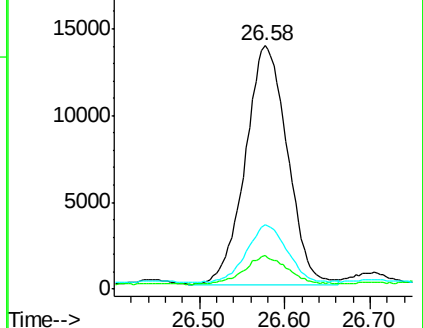
279 26.3 21.1 31.7

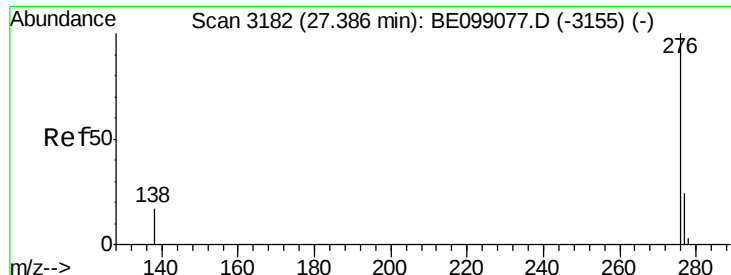


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.507 ng

RT: 27.38 min Scan# 3179

Delta R.T. -0.01 min

Lab File: BE099134.D

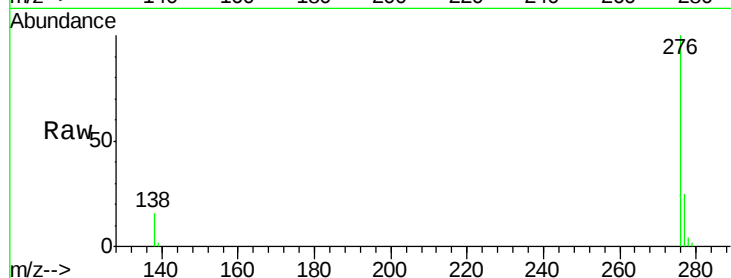
Acq: 24 Mar 2019 5:35

Instrument :

BNA_E

ClientSampleId :

PST-026-SW075-031819MS



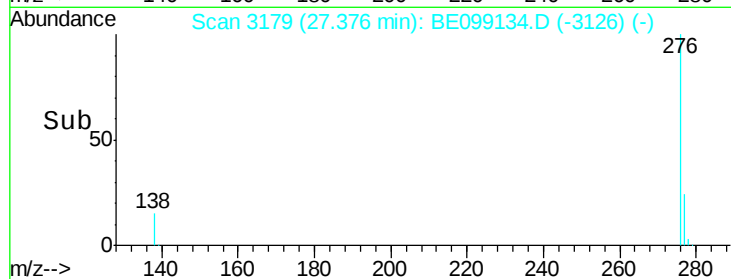
Tot Ion: 276 Resp: 67924

Ion Ratio Lower Upper

276 100

277 24.8 20.4 30.6

138 15.9 13.6 20.4



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

