

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050119\
 Data File : BE099458.D
 Acq On : 1 May 2019 11:29
 Operator : JU/SJ
 Sample : K2533-13MS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-028-SW005-042219MS

Quant Time: May 02 04:13:00 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE042919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 29 18:36:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	2256	0.40	ng	-0.01
7) Naphthalene-d8	10.60	136	8060	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	5717	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	18387	0.40	ng	0.00
27) Chrysene-d12	21.37	240	27093	0.40	ng	0.00
34) Perylene-d12	23.86	264	30976	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	2358	0.38	ng	0.00
5) Phenol-d6	6.98	99	3150	0.38	ng	0.00
8) Nitrobenzene-d5	8.97	82	2577	0.34	ng	0.00
11) 2-Methylnaphthalene-d10	12.20	152	7000	0.48	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1386	0.38	ng	0.00
15) 2-Fluorobiphenyl	13.07	172	7318	0.34	ng	-0.01
25) Fluoranthene-d10	19.22	212	90752	0.37	ng	0.00
29) Terphenyl-d14	19.81	244	16232	0.33	ng	0.00

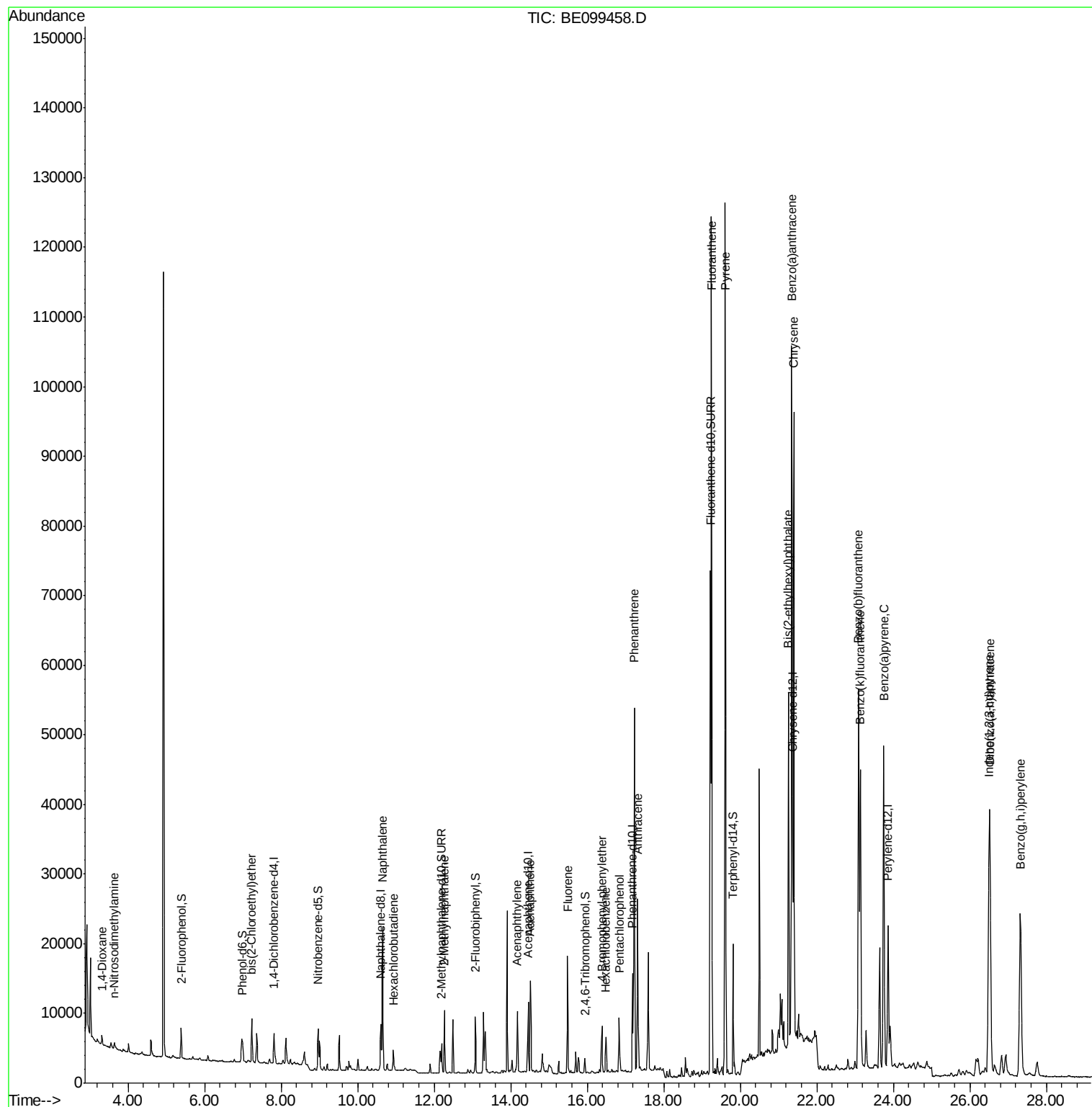
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.31	88	847	0.273	ng	# 38
3) n-Nitrosodimethylamine	3.64	42	616	0.329	ng	# 99
6) bis(2-Chloroethyl)ether	7.23	93	2475	0.346	ng	95
9) Naphthalene	10.65	128	33649	0.383	ng	100
10) Hexachlorobutadiene	10.93	225	1925	0.315	ng	99
12) 2-Methylnaphthalene	12.27	142	5830	0.382	ng	95
16) Acenaphthylene	14.17	152	12235	0.437	ng	97
17) Acenaphthene	14.51	154	6488	0.406	ng	99
18) Fluorene	15.49	166	9923	0.421	ng	98
20) 4-Bromophenyl-phenylether	16.38	248	3647	0.341	ng	# 89
21) Hexachlorobenzene	16.49	284	3640	0.357	ng	98
22) Pentachlorophenol	16.84	266	4081	0.881	ng	97
23) Phenanthrene	17.23	178	51014	1.075	ng	99
24) Anthracene	17.32	178	24800	0.548	ng	99
26) Fluoranthene	19.25	202	111932	1.575	ng	100
28) Pyrene	19.61	202	112254	1.589	ng	97
30) Benzo(a)anthracene	21.34	228	86763	1.005	ng	98
31) Chrysene	21.40	228	86204	1.021	ng	97
32) Bis(2-ethylhexyl)phthalate	21.26	149	63172	0.447	ng	99
33) Indeno(1,2,3-cd)pyrene	26.50	276	69008	0.691	ng	99
35) Benzo(b)fluoranthene	23.09	252	88013	0.985	ng	99
36) Benzo(k)fluoranthene	23.14	252	58983	0.685	ng	99
37) Benzo(a)pyrene	23.75	252	73800	0.874	ng	98
38) Dibenzo(a,h)anthracene	26.52	278	41551	0.481	ng	99
39) Benzo(g,h,i)perylene	27.32	276	62162	0.718	ng	100

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

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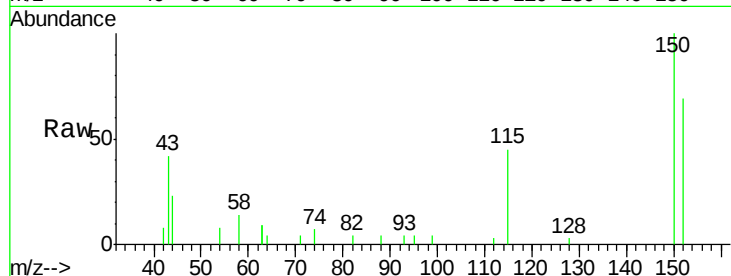


#1

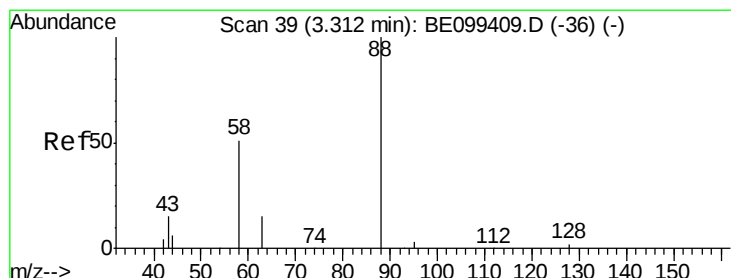
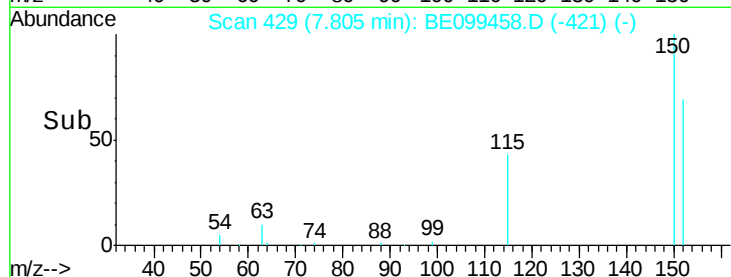
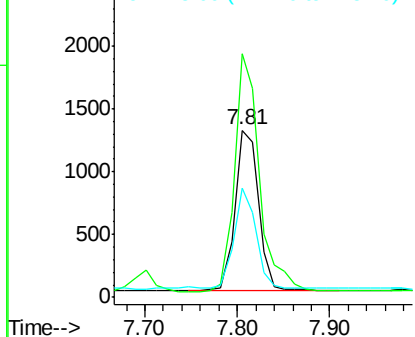
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.81 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099458.D
Acq: 1 May 2019 11:29

Instrument :
BNA_E
ClientSampleId :
PST-028-SW005-042219MS

Tot Ion:152 Resp: 2256
Ion Ratio Lower Upper
152 100
150 145.6 104.8 157.2
115 65.2 46.6 69.8



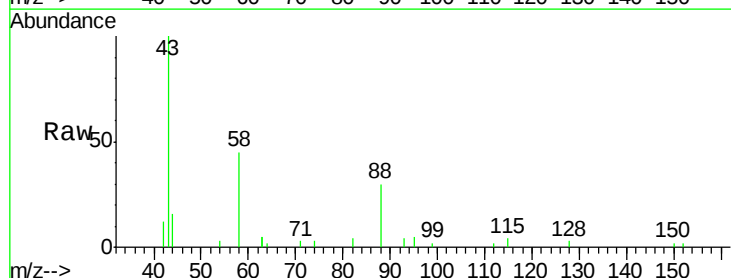
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



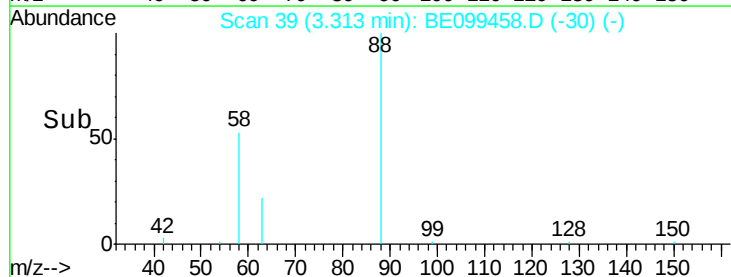
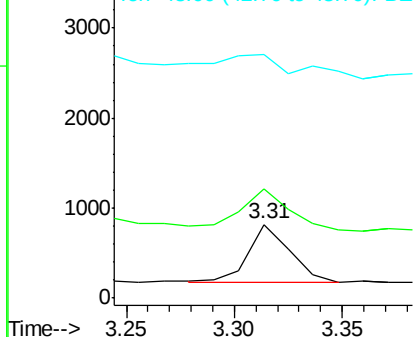
#2

1,4-Dioxane
Concen: 0.273 ng
RT: 3.31 min Scan# 39
Delta R.T. 0.00 min
Lab File: BE099458.D
Acq: 1 May 2019 11:29

Tgt Ion: 88 Resp: 847
Ion Ratio Lower Upper
88 100
58 89.3 51.0 76.6#
43 93.6 20.6 30.8#



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



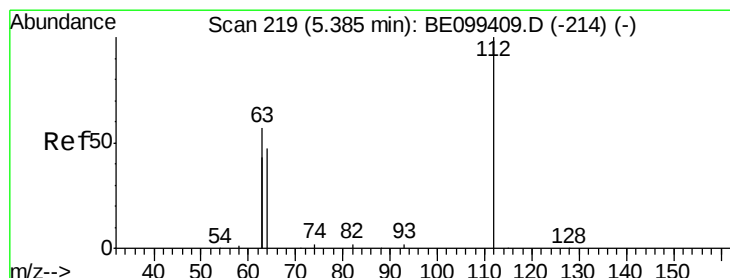
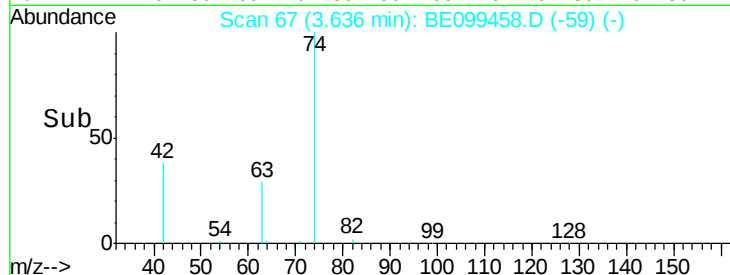
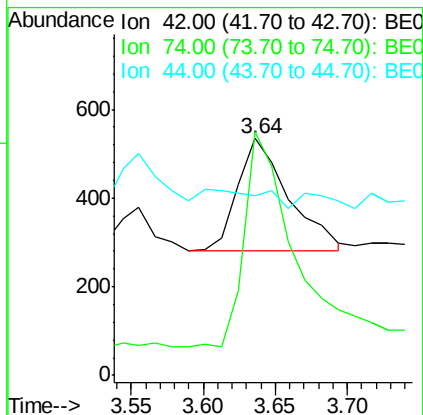
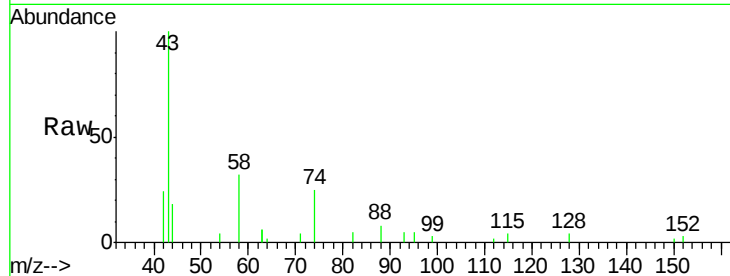


#3

n-Nitrosodimethylamine
 Concen: 0.329 ng
 RT: 3.64 min Scan# 67
 Delta R.T. -0.01 min
 Lab File: BE099458.D
 Acq: 1 May 2019 11:29

Instrument :
 BNA_E
 ClientSampleId :
 PST-028-SW005-042219MS

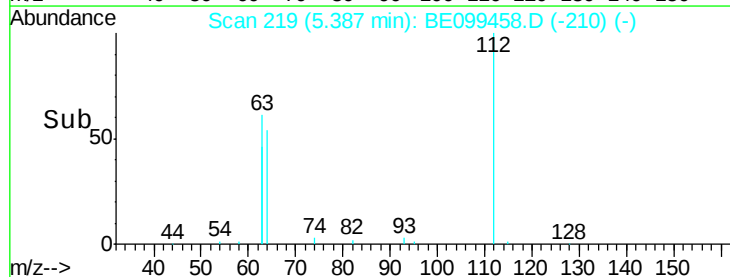
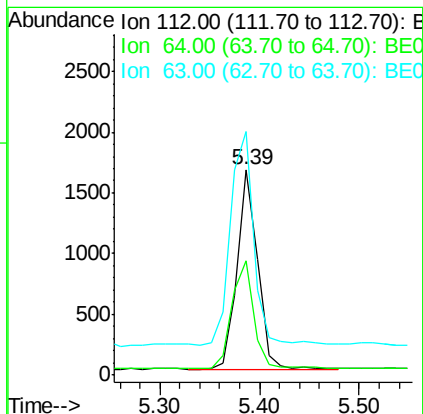
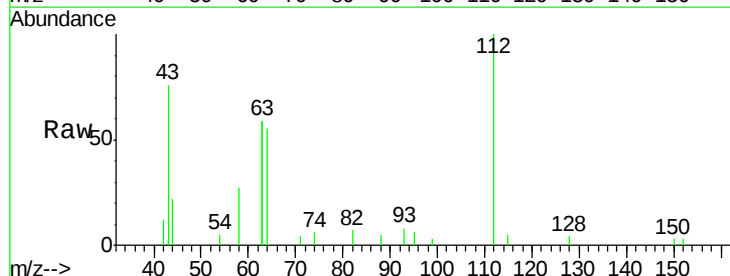
Tot Ion: 42 Resp: 616
 Ion Ratio Lower Upper
 42 100
 74 178.9 141.6 212.4
 44 0.0 0.0 0.0

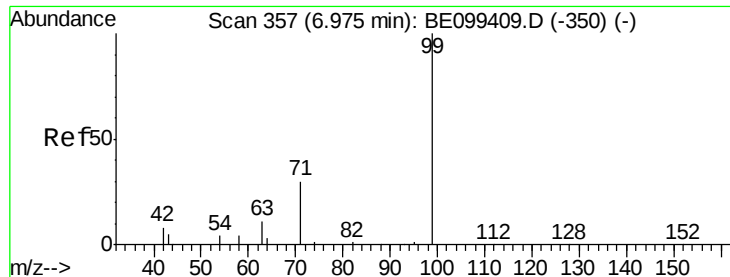


#4

2-Fluorophenol
 Concen: 0.378 ng
 RT: 5.39 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: BE099458.D
 Acq: 1 May 2019 11:29

Tgt Ion: 112 Resp: 2358
 Ion Ratio Lower Upper
 112 100
 64 58.4 47.4 71.0
 63 121.8 104.3 156.5





#5

Phenol-d6

Concen: 0.380 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099458.D

Acq: 1 May 2019 11:29

Instrument :

BNA_E

ClientSampleId :

PST-028-SW005-042219MS

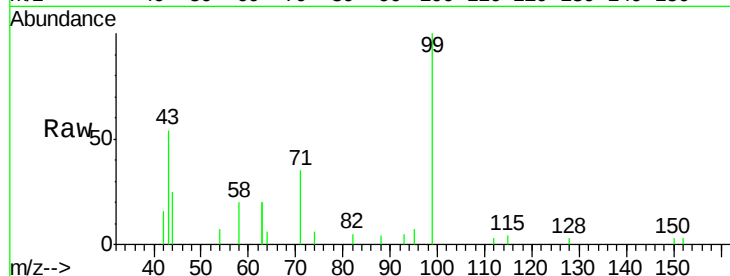
Tot Ion: 99 Resp: 3150

Ion Ratio Lower Upper

99 100

42 18.7 14.9 22.3

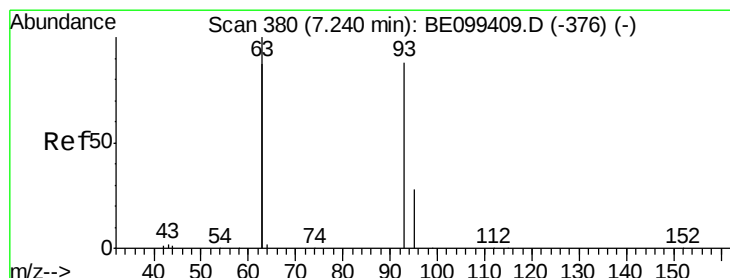
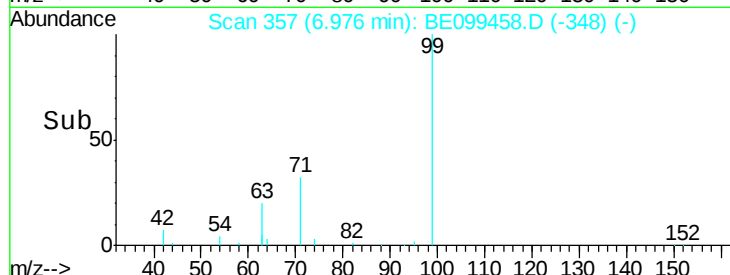
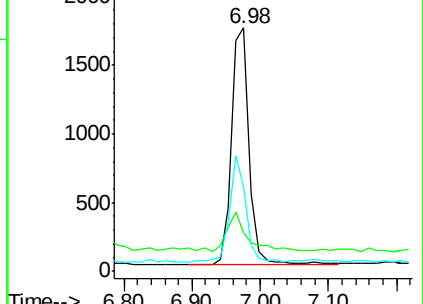
71 41.0 33.0 49.6



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: 0.346 ng

RT: 7.23 min Scan# 379

Delta R.T. -0.01 min

Lab File: BE099458.D

Acq: 1 May 2019 11:29

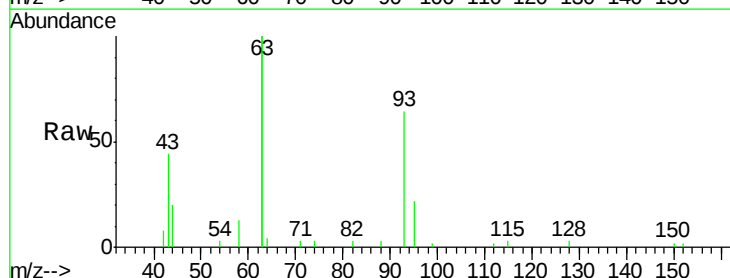
Tgt Ion: 93 Resp: 2475

Ion Ratio Lower Upper

93 100

63 259.6 215.6 323.4

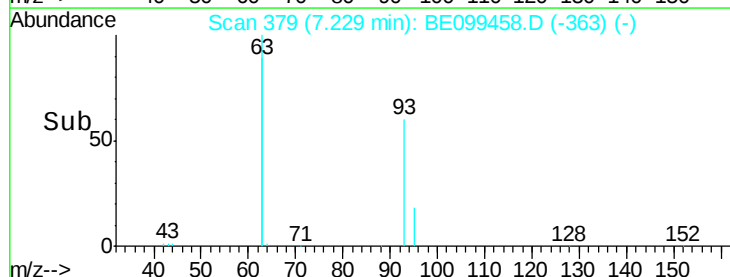
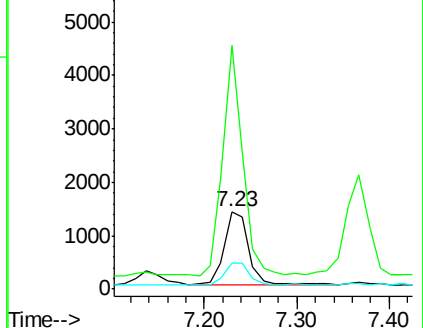
95 30.7 26.2 39.2

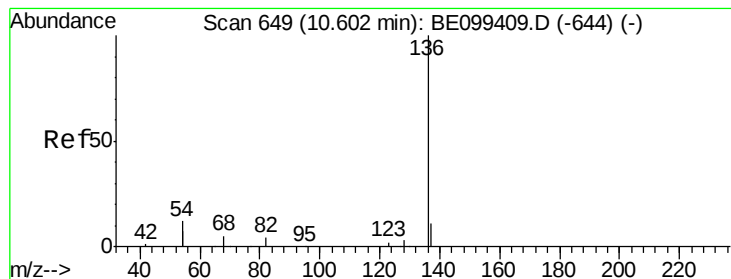


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE099458.D

Acq: 1 May 2019 11:29

Instrument :

BNA_E

ClientSampleId :

PST-028-SW005-042219MS

Tot Ion:136 Resp: 8060

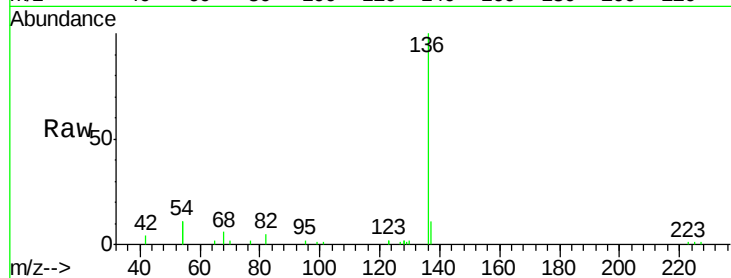
Ion Ratio Lower Upper

136 100

137 11.4 9.8 14.8

54 21.2 18.5 27.7

68 5.8 4.7 7.1

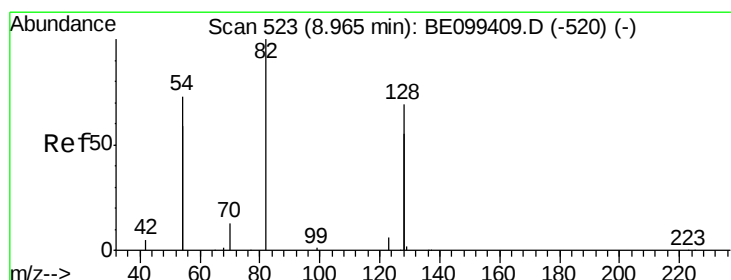
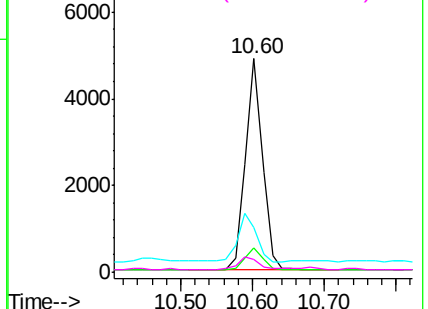
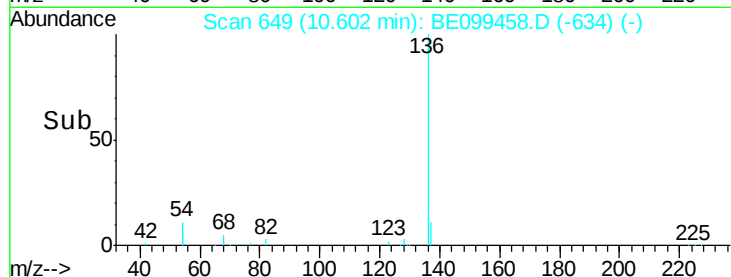


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.341 ng

RT: 8.97 min Scan# 523

Delta R.T. 0.00 min

Lab File: BE099458.D

Acq: 1 May 2019 11:29

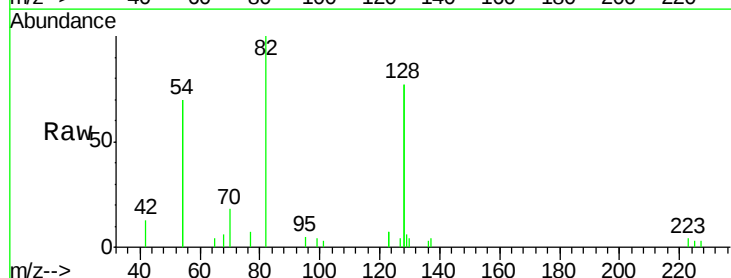
Tgt Ion: 82 Resp: 2577

Ion Ratio Lower Upper

82 100

128 153.2 107.0 160.4

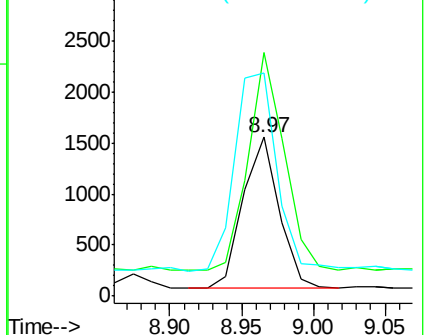
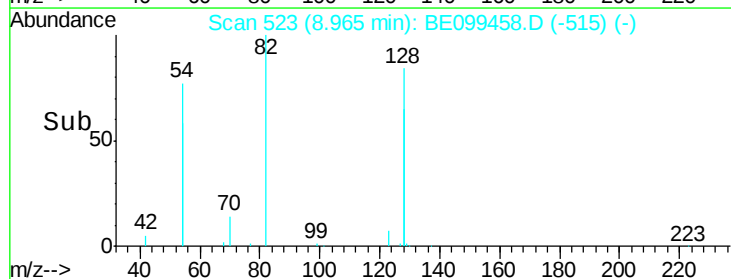
54 140.3 113.1 169.7

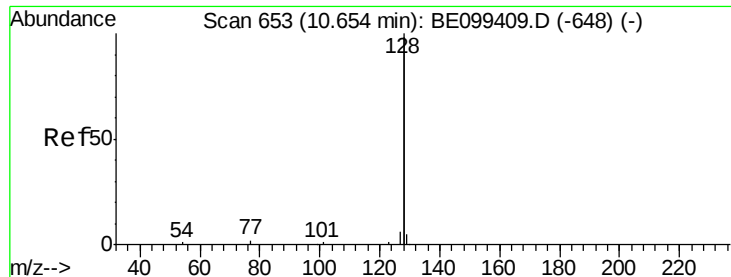


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.383 ng

RT: 10.65 min Scan# 653

Delta R.T. 0.00 min

Lab File: BE099458.D

Acq: 1 May 2019 11:29

Instrument :

BNA_E

ClientSampleId :

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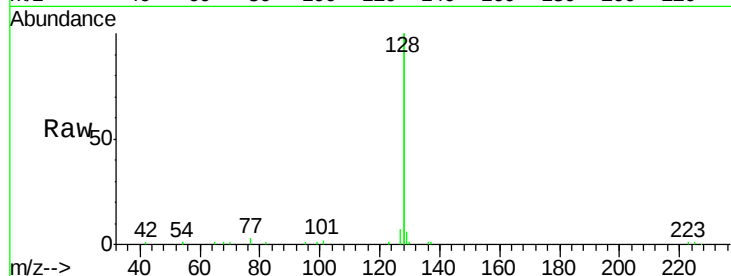
Tot Ion:128 Resp: 33649

Ion Ratio Lower Upper

128 100

129 3.1 2.4 3.6

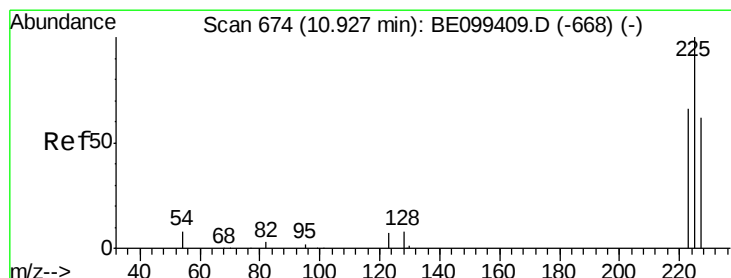
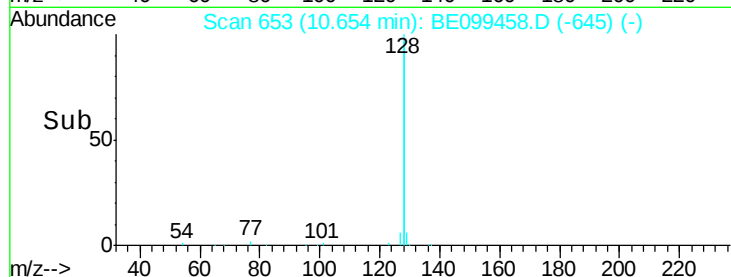
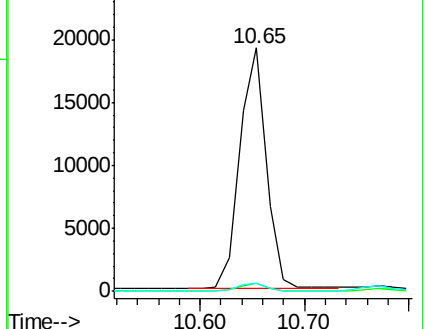
127 3.4 2.8 4.2



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: 0.315 ng

RT: 10.93 min Scan# 674

Delta R.T. 0.00 min

Lab File: BE099458.D

Acq: 1 May 2019 11:29

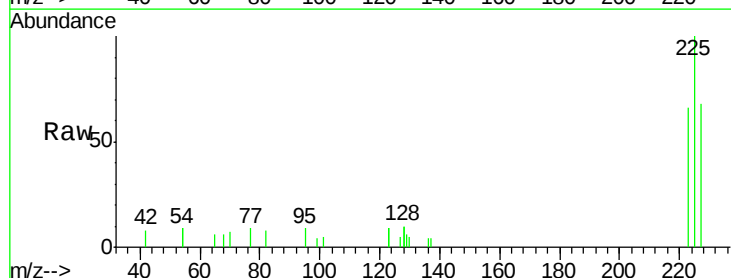
Tgt Ion:225 Resp: 1925

Ion Ratio Lower Upper

225 100

223 63.5 51.0 76.6

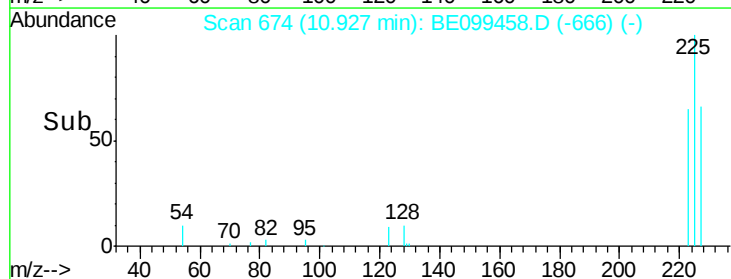
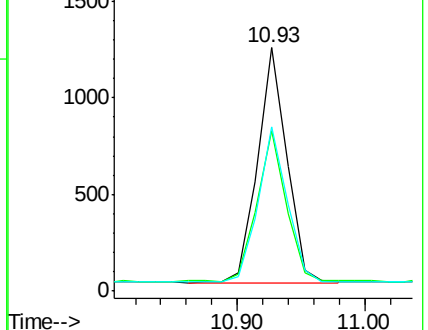
227 65.7 50.9 76.3

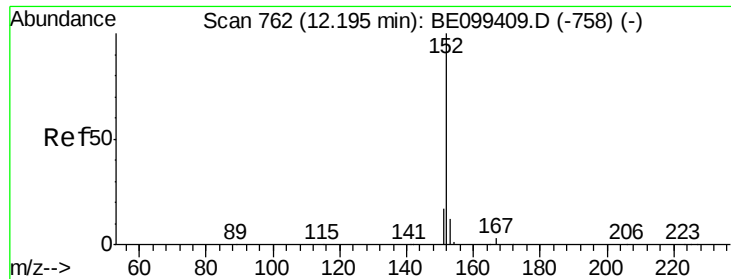


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

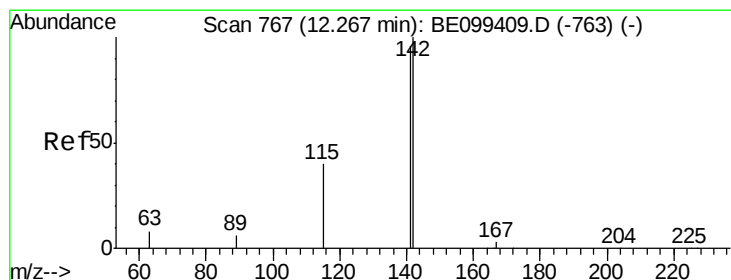
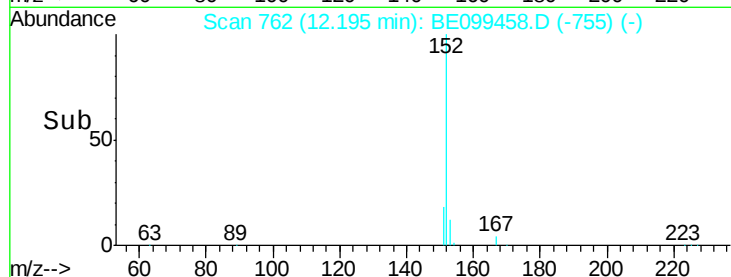
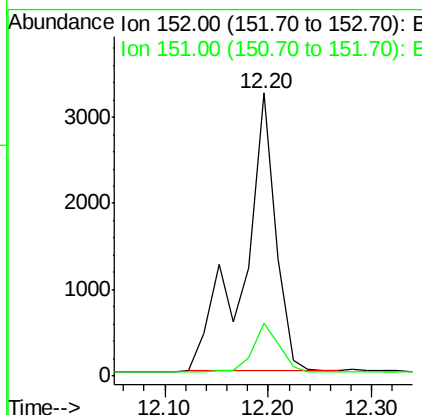
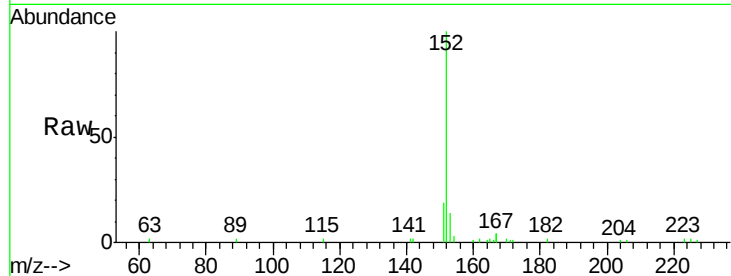




#11
 2-Methylnaphthalene-d10
 Concen: 0.482 ng
 RT: 12.20 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: BE099458.D
 Acq: 1 May 2019 11:29

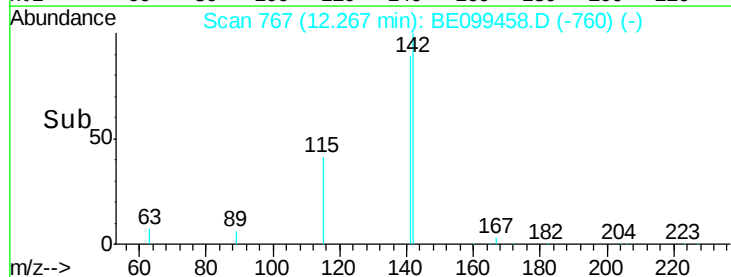
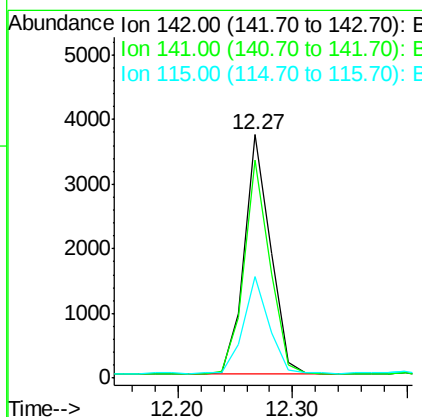
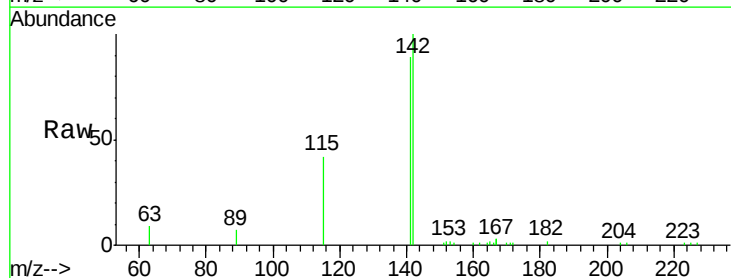
Instrument :
 BNA_E
 ClientSampleId :
 PST-028-SW005-042219MS

Tot Ion:152 Resp: 7000
 Ion Ratio Lower Upper
 152 100
 151 14.2 15.5 23.3#



#12
 2-Methylnaphthalene
 Concen: 0.382 ng
 RT: 12.27 min Scan# 767
 Delta R.T. -0.00 min
 Lab File: BE099458.D
 Acq: 1 May 2019 11:29

Tgt Ion:142 Resp: 5830
 Ion Ratio Lower Upper
 142 100
 141 89.4 77.0 115.4
 115 41.9 33.4 50.0

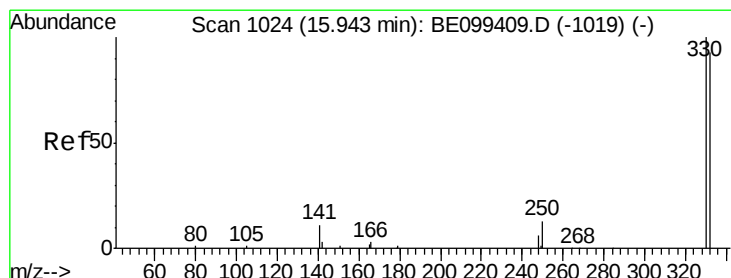
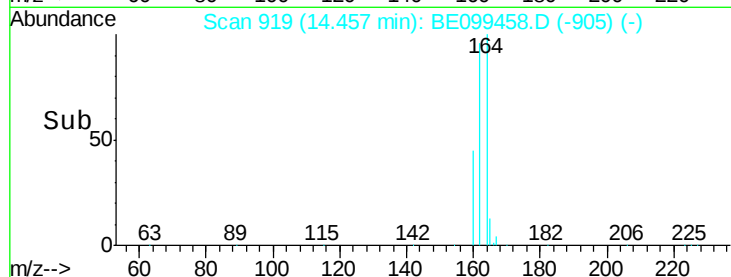
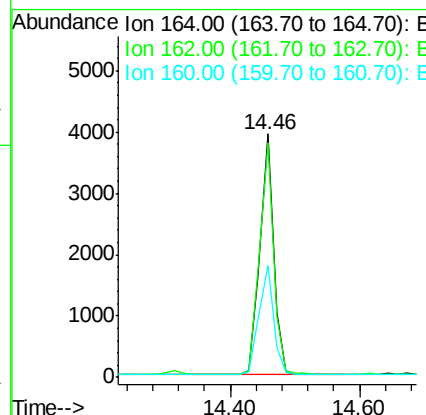
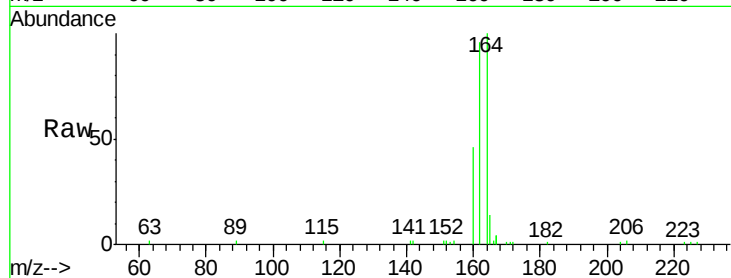




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.00 min
Lab File: BE099458.D
Acq: 1 May 2019 11:29

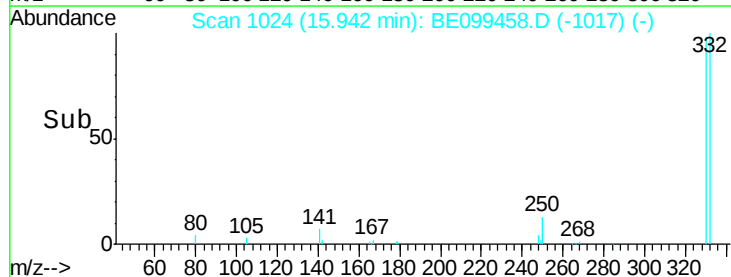
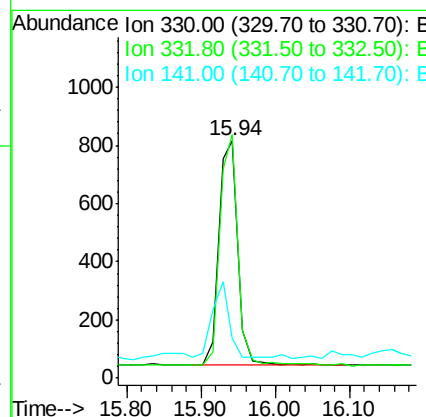
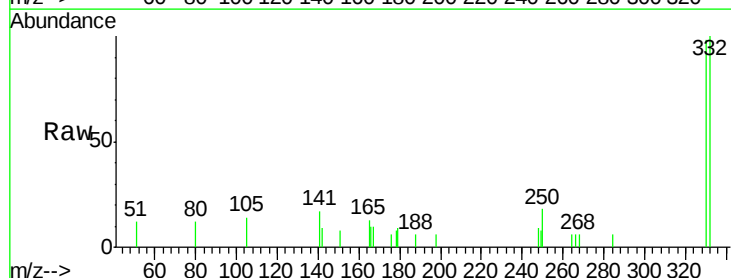
Instrument :
BNA_E
ClientSampleId :
PST-028-SW005-042219MS

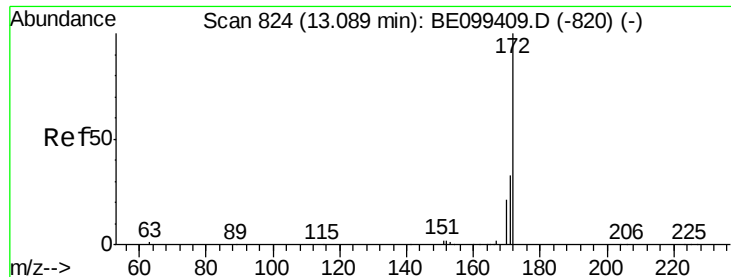
Tot Ion:164 Resp: 5717
Ion Ratio Lower Upper
164 100
162 96.2 79.0 118.4
160 45.9 37.0 55.4



#14
2,4,6-Tribromophenol
Concen: 0.385 ng
RT: 15.94 min Scan# 1024
Delta R.T. -0.00 min
Lab File: BE099458.D
Acq: 1 May 2019 11:29

Tgt Ion:330 Resp: 1386
Ion Ratio Lower Upper
330 100
332 97.6 71.5 107.3
141 29.1 24.0 36.0

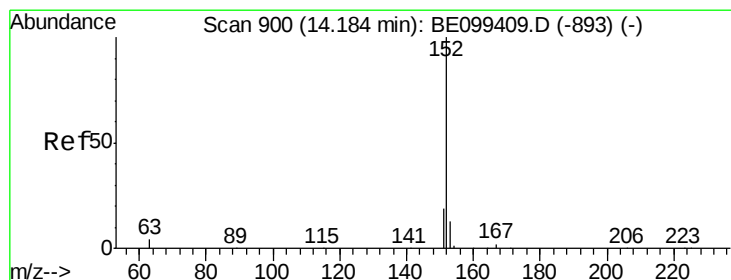
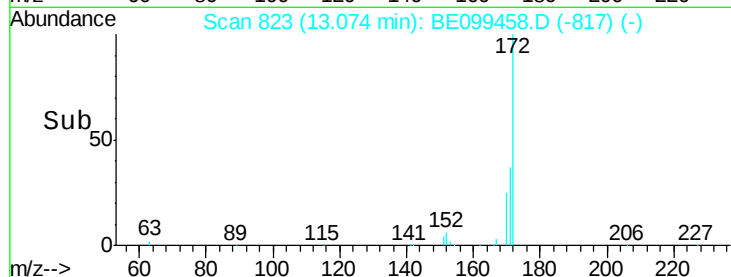
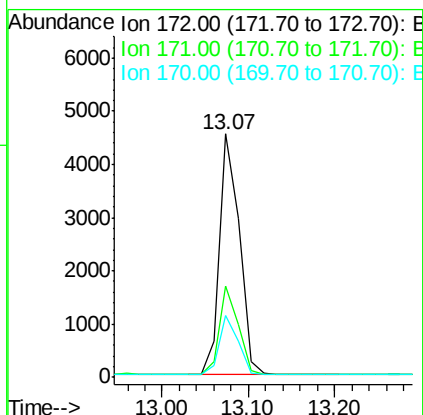
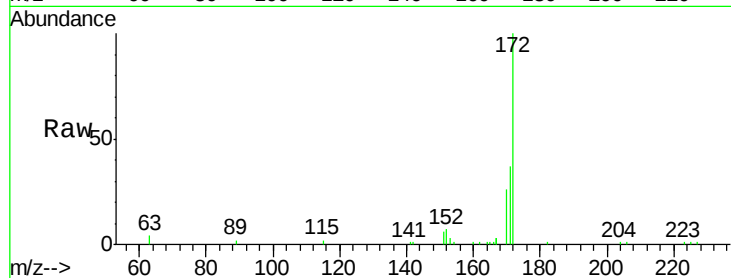




#15
2-Fluorobiphenyl
Concen: 0.335 ng
RT: 13.07 min Scan# 823
Delta R.T. -0.01 min
Lab File: BE099458.D
Acq: 1 May 2019 11:29

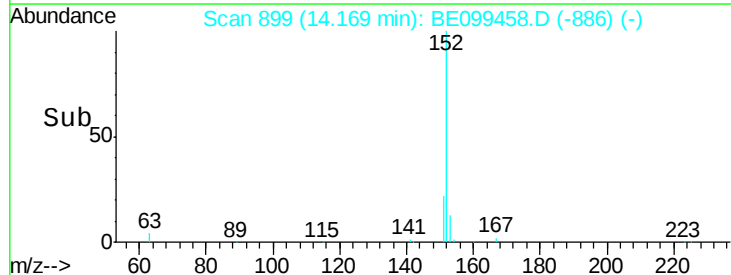
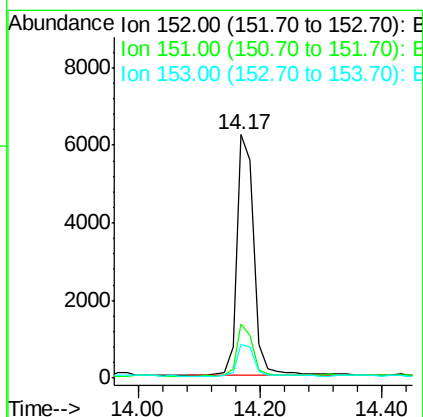
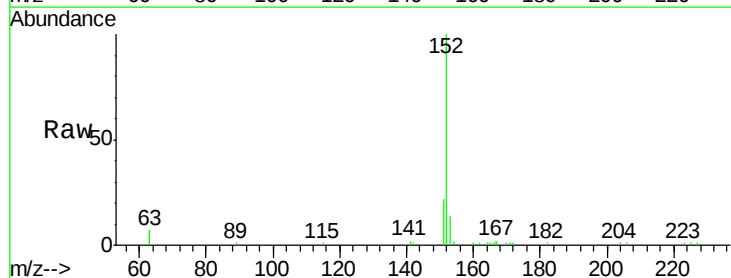
Instrument :
BNA_E
ClientSampleId :
PST-028-SW005-042219MS

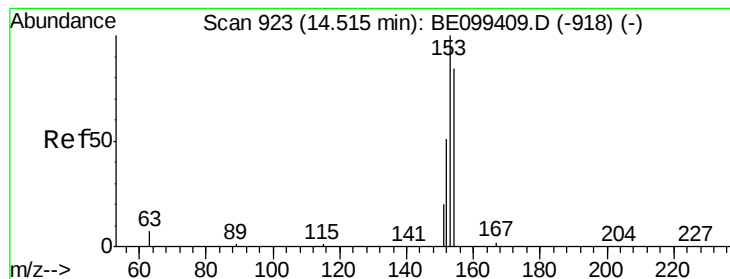
Tot Ion:172 Resp: 7318
Ion Ratio Lower Upper
172 100
171 37.4 26.6 39.8
170 25.5 17.0 25.6



#16
Acenaphthylene
Concen: 0.437 ng
RT: 14.17 min Scan# 899
Delta R.T. -0.01 min
Lab File: BE099458.D
Acq: 1 May 2019 11:29

Tgt Ion:152 Resp: 12235
Ion Ratio Lower Upper
152 100
151 20.6 15.4 23.2
153 13.2 9.8 14.6





#17

Acenaphthene

Concen: 0.406 ng

RT: 14.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: BE099458.D

Acq: 1 May 2019 11:29

Instrument :

BNA_E

ClientSampleId :

PST-028-SW005-042219MS

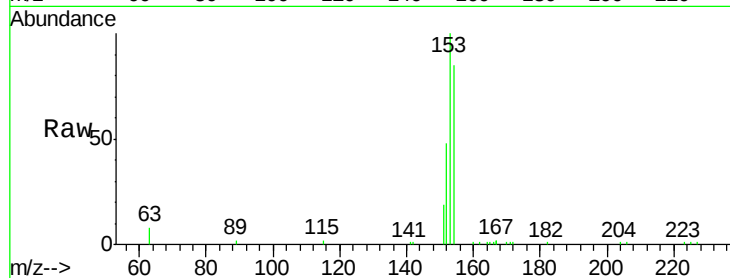
Tot Ion:154 Resp: 6488

Ion Ratio Lower Upper

154 100

153 116.0 92.6 138.8

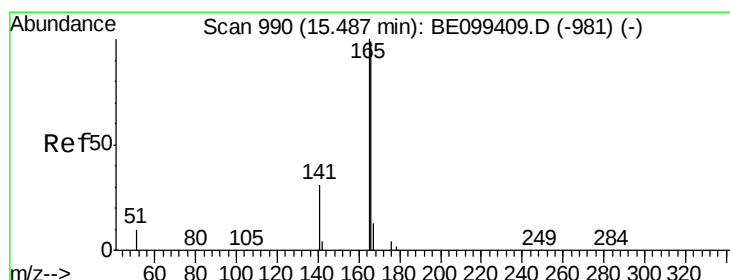
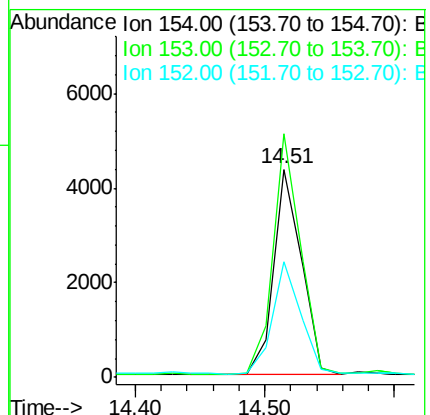
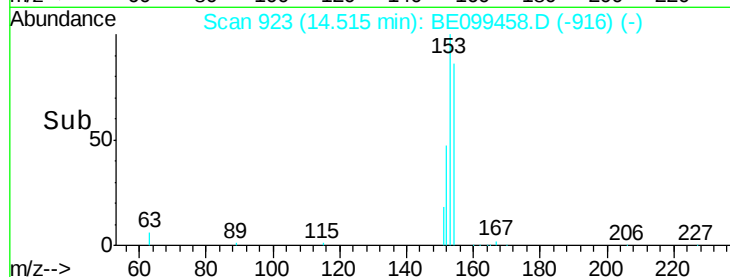
152 56.1 45.8 68.8



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: 0.421 ng

RT: 15.49 min Scan# 990

Delta R.T. -0.00 min

Lab File: BE099458.D

Acq: 1 May 2019 11:29

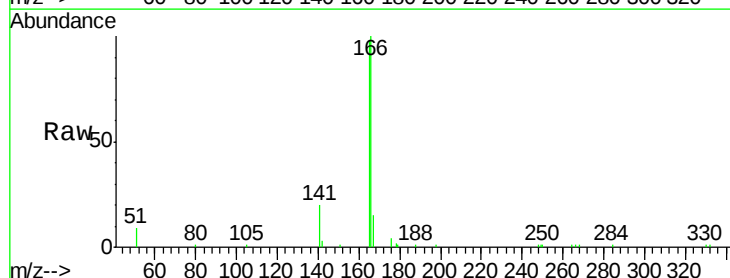
Tgt Ion:166 Resp: 9923

Ion Ratio Lower Upper

166 100

165 98.8 80.3 120.5

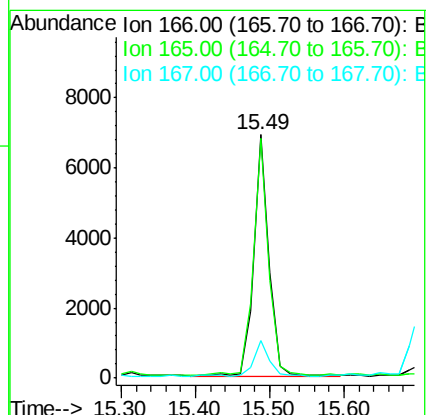
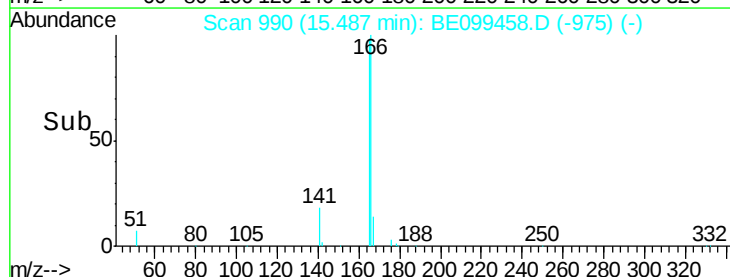
167 14.3 10.7 16.1

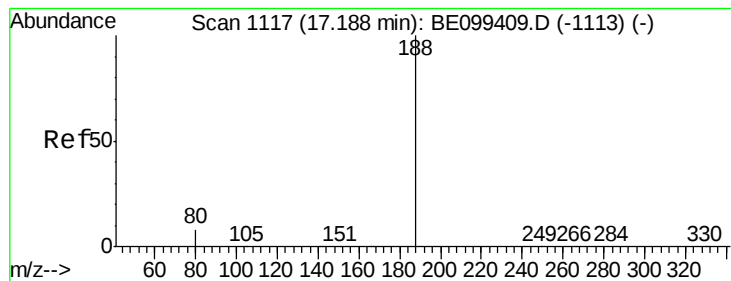


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE099458.D

Acq: 1 May 2019 11:29

Instrument :

BNA_E

ClientSampleId :

PST-028-SW005-042219MS

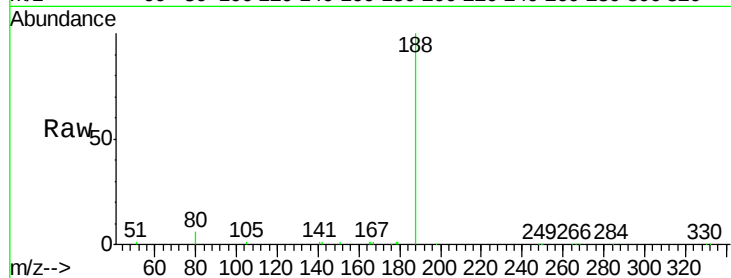
Tot Ion:188 Resp: 18387

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

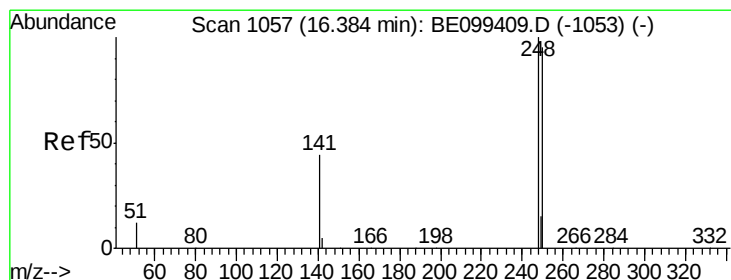
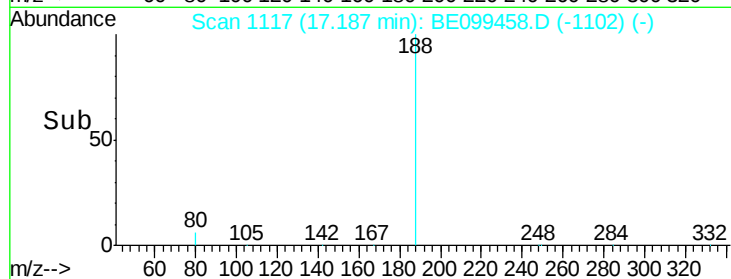
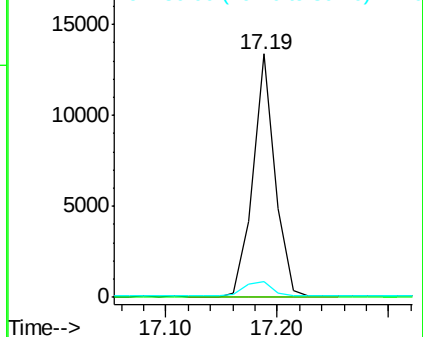
80 6.3 6.7 10.1#



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: 0.341 ng

RT: 16.38 min Scan# 1057

Delta R.T. -0.00 min

Lab File: BE099458.D

Acq: 1 May 2019 11:29

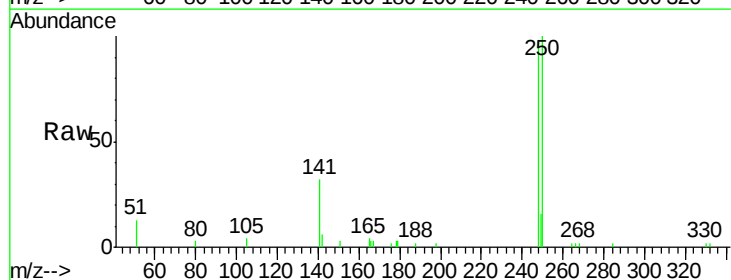
Tgt Ion:248 Resp: 3647

Ion Ratio Lower Upper

248 100

250 101.6 75.8 113.8

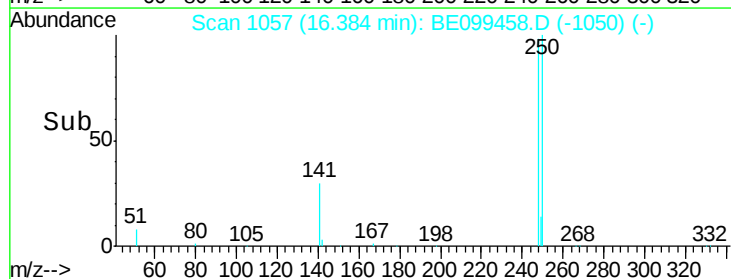
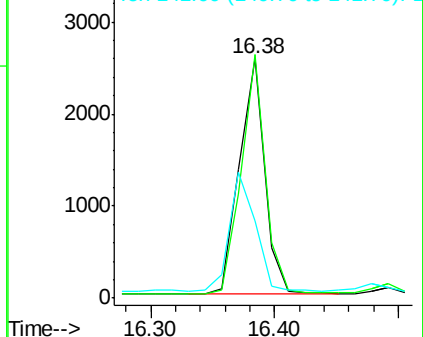
141 32.5 35.7 53.5#

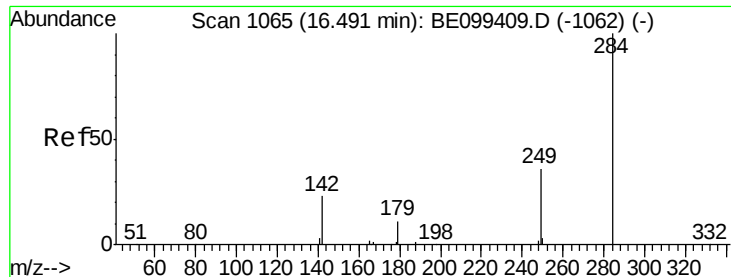


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.357 ng

RT: 16.49 min Scan# 1065

Delta R.T. -0.00 min

Lab File: BE099458.D

Acq: 1 May 2019 11:29

Instrument :

BNA_E

ClientSampleId :

PST-028-SW005-042219MS

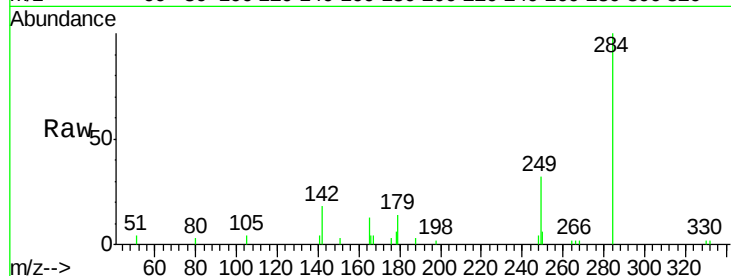
Tot Ion:284 Resp: 3640

Ion Ratio Lower Upper

284 100

142 25.3 21.0 31.6

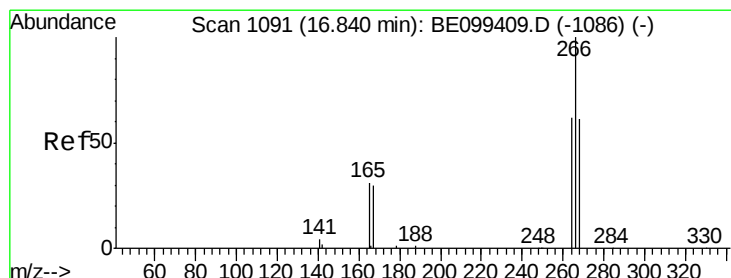
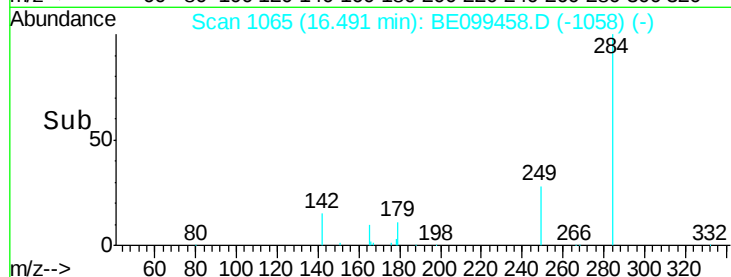
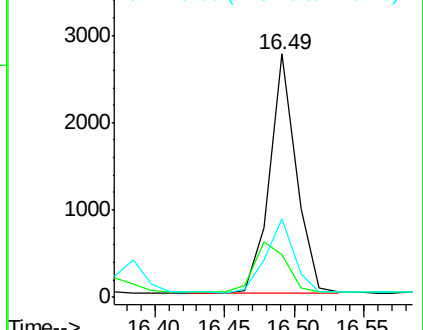
249 32.7 26.7 40.1



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: 0.881 ng

RT: 16.84 min Scan# 1091

Delta R.T. 0.00 min

Lab File: BE099458.D

Acq: 1 May 2019 11:29

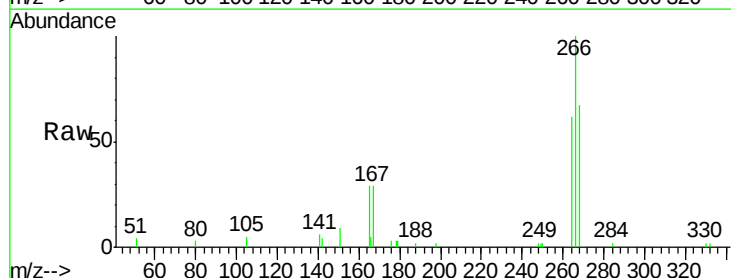
Tgt Ion:266 Resp: 4081

Ion Ratio Lower Upper

266 100

264 62.5 50.8 76.2

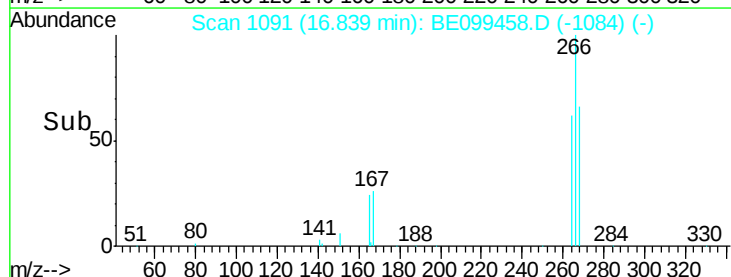
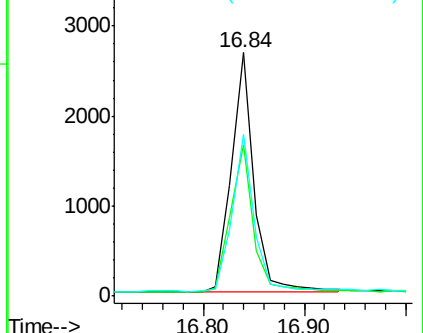
268 66.6 50.5 75.7

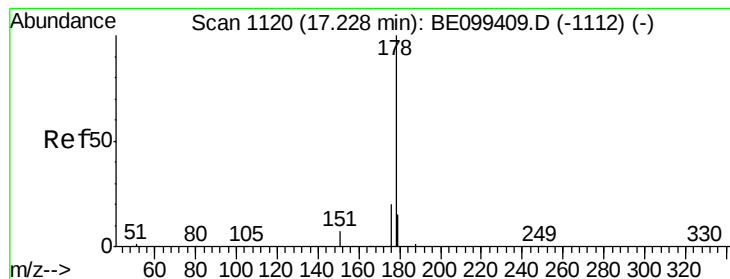


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 1.075 ng

RT: 17.23 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BE099458.D

Acq: 1 May 2019 11:29

Instrument :

BNA_E

ClientSampleId :

PST-028-SW005-042219MS

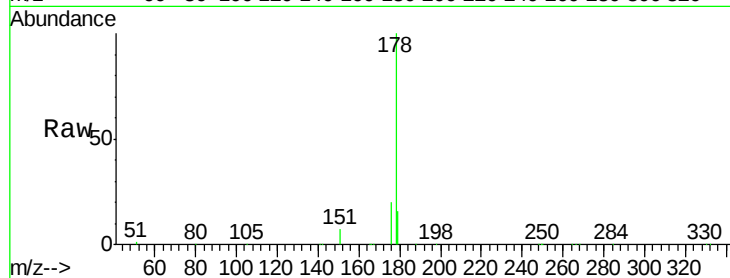
Tot Ion:178 Resp: 51014

Ion Ratio Lower Upper

178 100

176 19.7 15.6 23.4

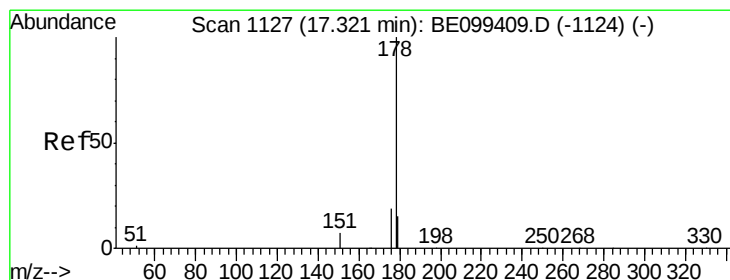
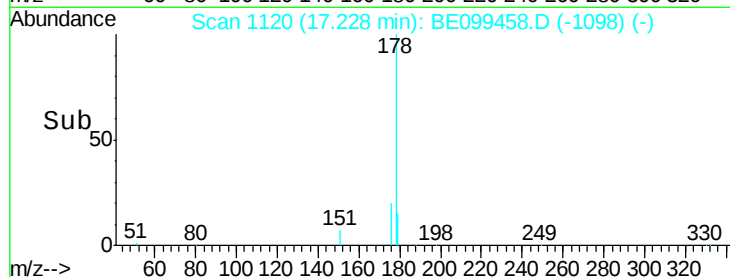
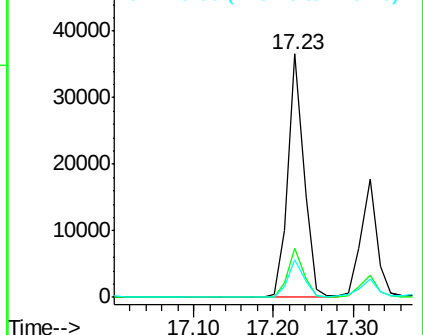
179 15.5 12.0 18.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.548 ng

RT: 17.32 min Scan# 1127

Delta R.T. -0.00 min

Lab File: BE099458.D

Acq: 1 May 2019 11:29

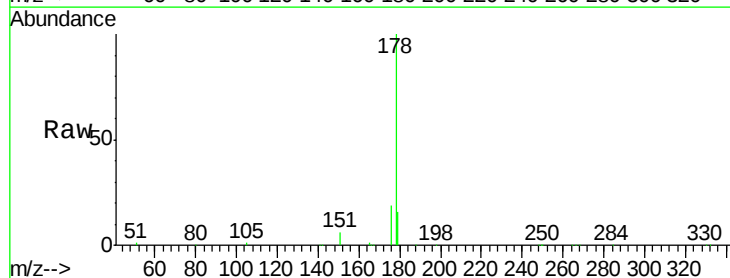
Tgt Ion:178 Resp: 24800

Ion Ratio Lower Upper

178 100

176 18.6 14.9 22.3

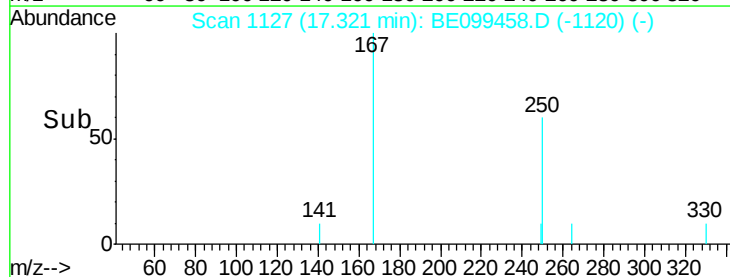
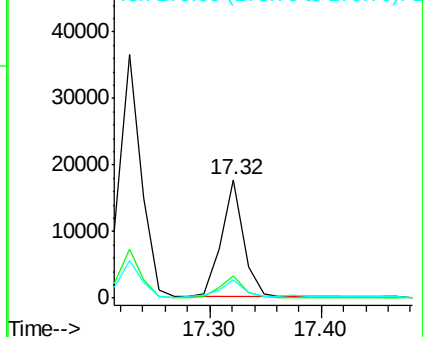
179 16.2 11.9 17.9

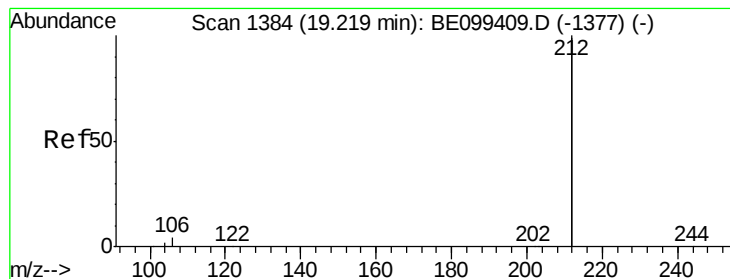


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.366 ng

RT: 19.22 min Scan# 1384

Delta R.T. -0.00 min

Lab File: BE099458.D

Acq: 1 May 2019 11:29

Instrument :

BNA_E

ClientSampleId :

PST-028-SW005-042219MS

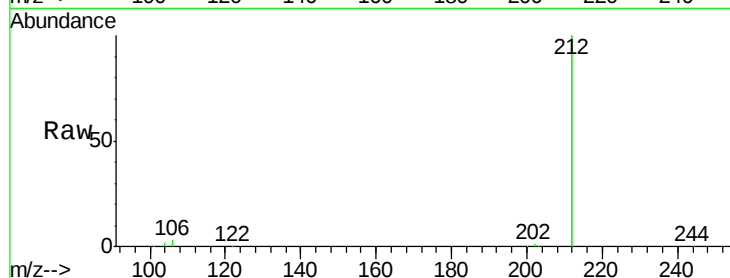
Tot Ion:212 Resp: 90752

Ion Ratio Lower Upper

212 100

106 1.8 1.5 2.3

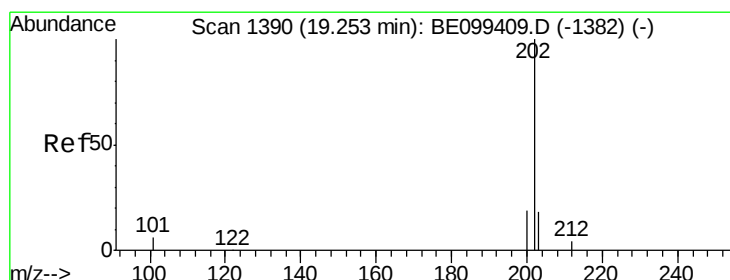
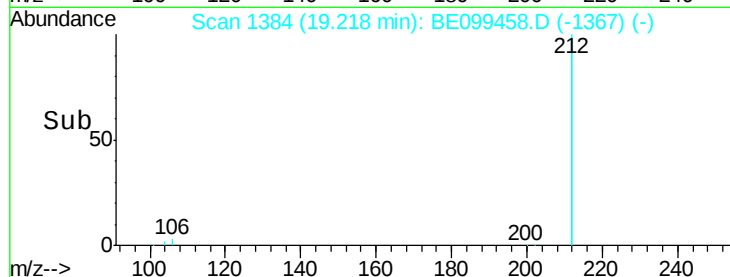
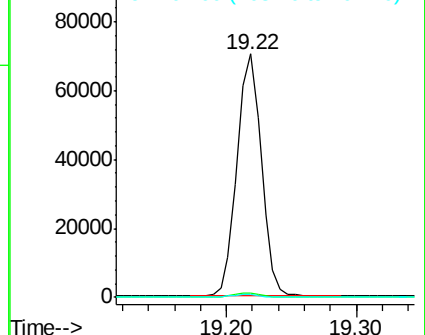
104 1.2 0.9 1.3



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: 1.575 ng

RT: 19.25 min Scan# 1389

Delta R.T. -0.01 min

Lab File: BE099458.D

Acq: 1 May 2019 11:29

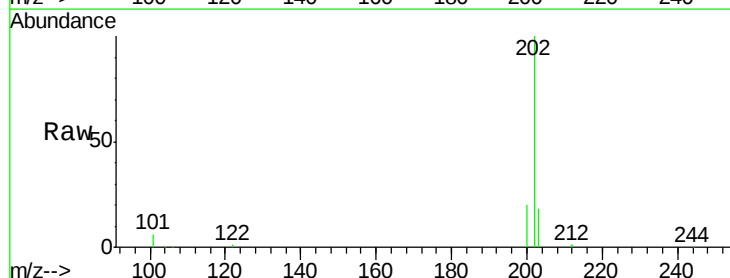
Tgt Ion:202 Resp: 111932

Ion Ratio Lower Upper

202 100

101 6.7 5.4 8.0

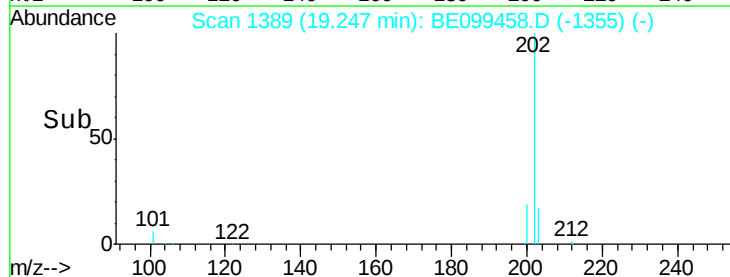
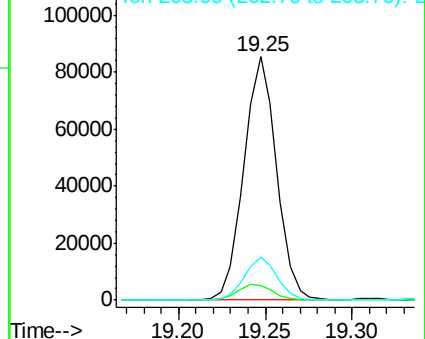
203 17.5 13.9 20.9



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

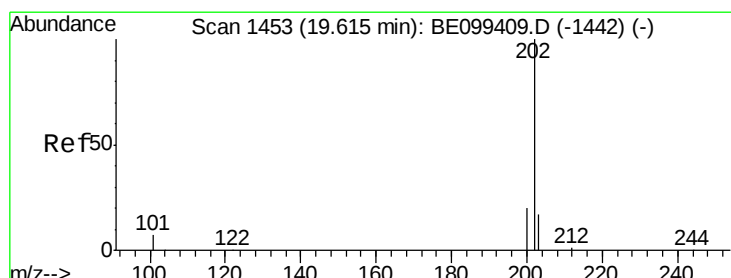
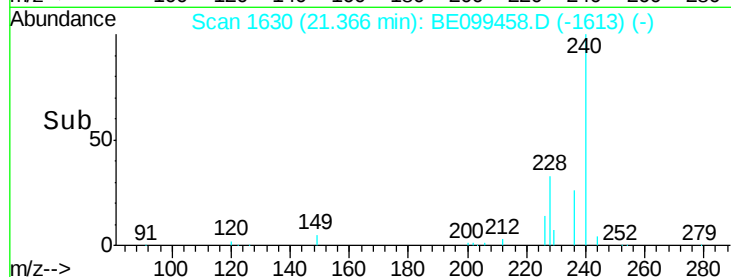
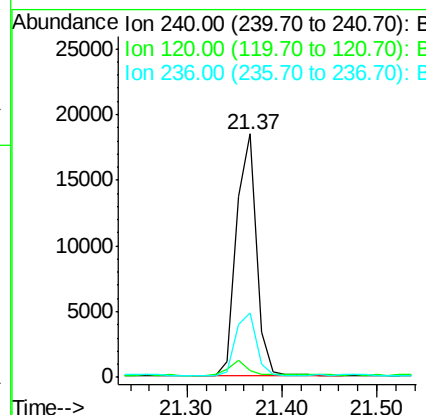
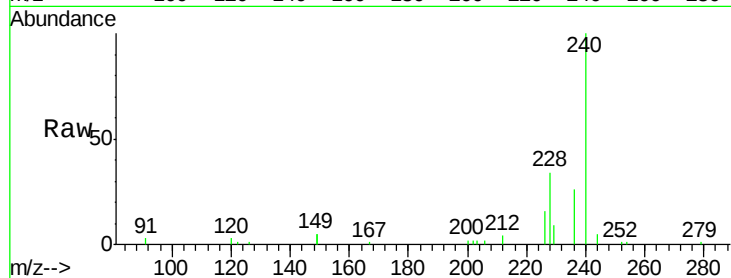




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. -0.00 min
Lab File: BE099458.D
Acq: 1 May 2019 11:29

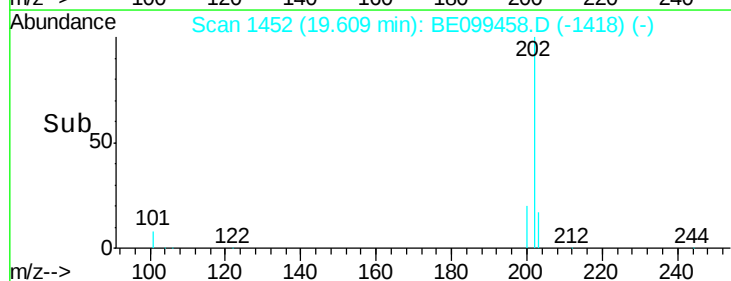
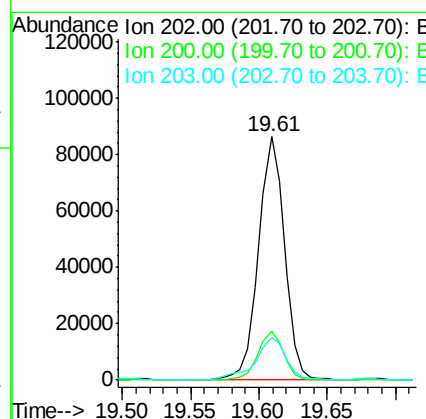
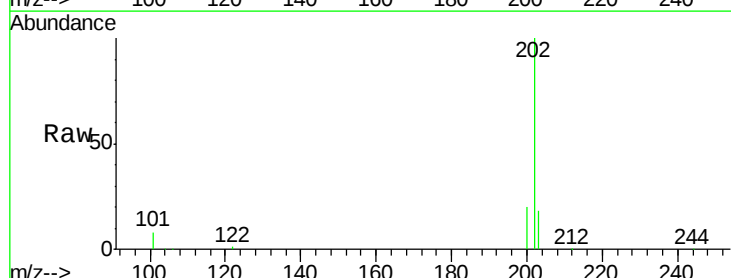
Instrument :
BNA_E
ClientSampleId :
PST-028-SW005-042219MS

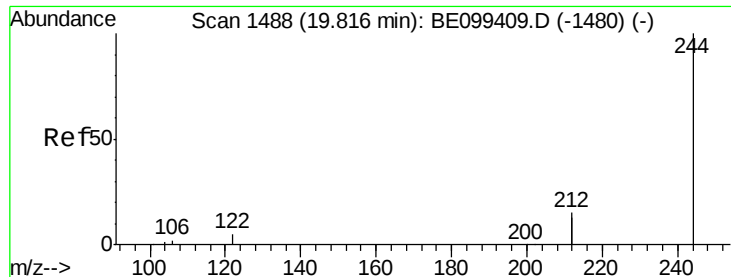
Tot Ion:240 Resp: 27093
Ion Ratio Lower Upper
240 100
120 2.7 4.0 6.0#
236 26.4 22.0 33.0



#28
Pyrene
Concen: 1.589 ng
RT: 19.61 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BE099458.D
Acq: 1 May 2019 11:29

Tgt Ion:202 Resp: 112254
Ion Ratio Lower Upper
202 100
200 19.9 15.7 23.5
203 20.2 13.9 20.9





#29

Terphenyl-d14

Concen: 0.327 ng

RT: 19.81 min Scan# 1487

Delta R.T. -0.01 min

Lab File: BE099458.D

Acq: 1 May 2019 11:29

Instrument :

BNA_E

ClientSampleId :

PST-028-SW005-042219MS

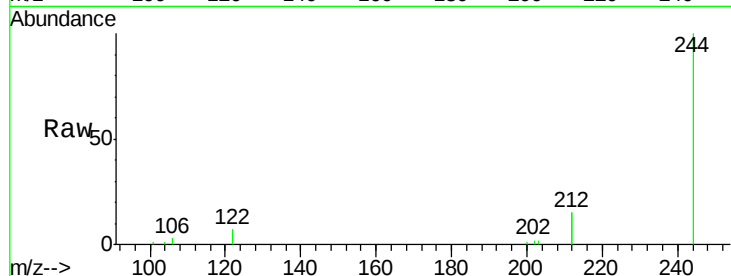
Tot Ion:244 Resp: 16232

Ion Ratio Lower Upper

244 100

212 30.8 23.2 34.8

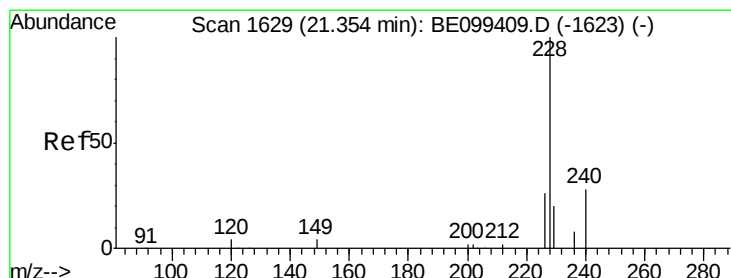
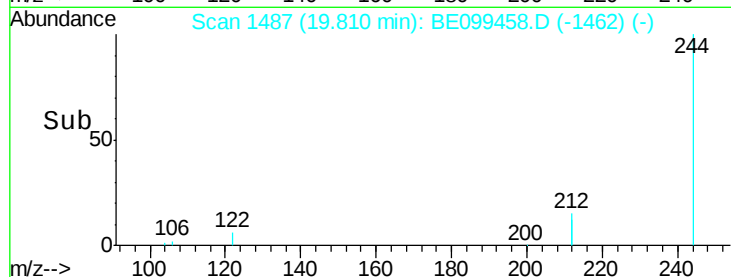
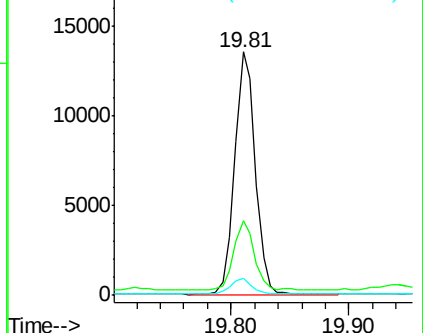
122 6.8 4.2 6.4#



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: 1.005 ng

RT: 21.34 min Scan# 1628

Delta R.T. -0.01 min

Lab File: BE099458.D

Acq: 1 May 2019 11:29

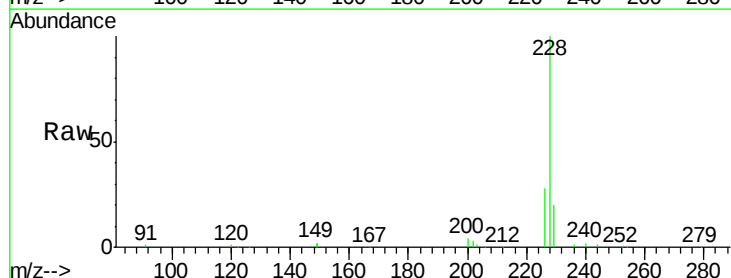
Tgt Ion:228 Resp: 86763

Ion Ratio Lower Upper

228 100

226 28.0 21.0 31.6

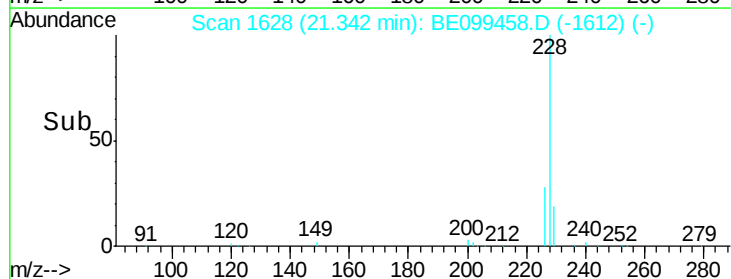
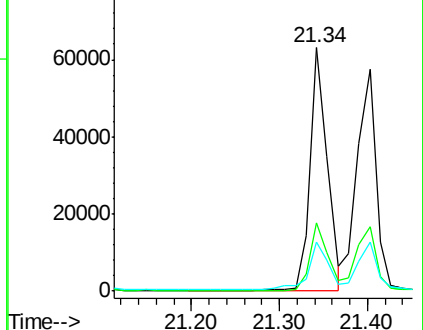
229 20.2 16.6 25.0

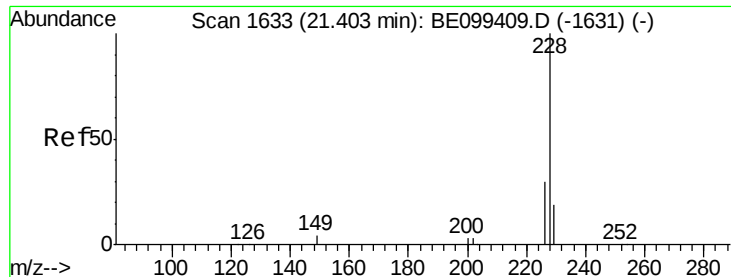


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 1.021 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.00 min

Lab File: BE099458.D

Acq: 1 May 2019 11:29

Instrument :

BNA_E

ClientSampleId :

PST-028-SW005-042219MS

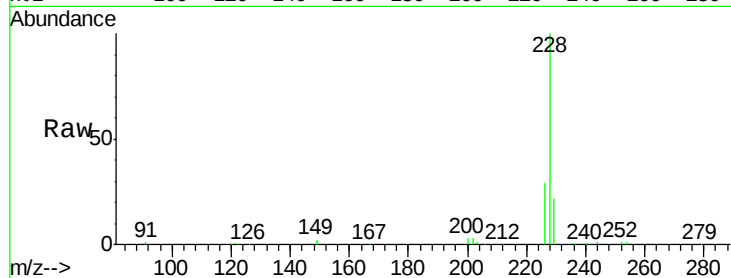
Tot Ion:228 Resp: 86204

Ion Ratio Lower Upper

228 100

226 29.2 24.0 36.0

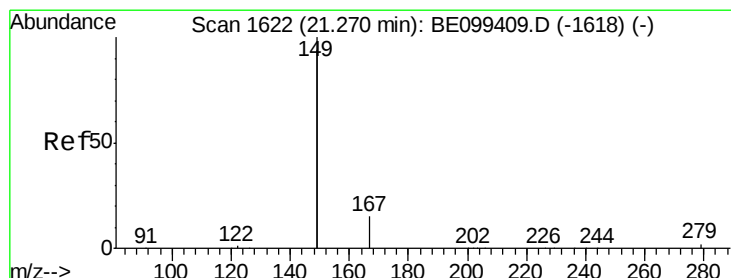
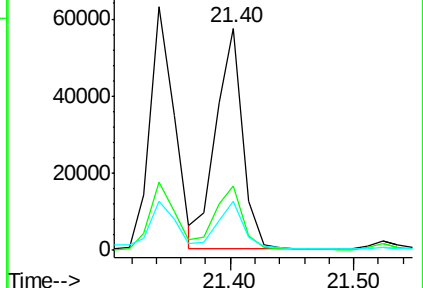
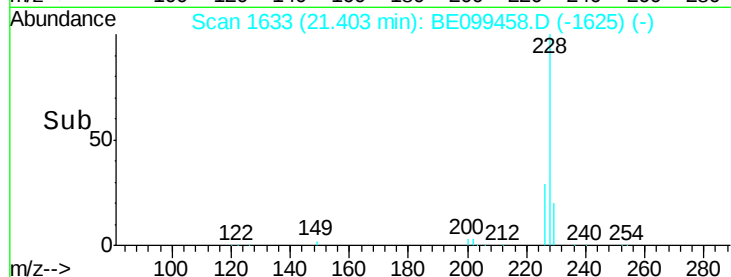
229 21.9 15.8 23.8



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.447 ng

RT: 21.26 min Scan# 1621

Delta R.T. -0.01 min

Lab File: BE099458.D

Acq: 1 May 2019 11:29

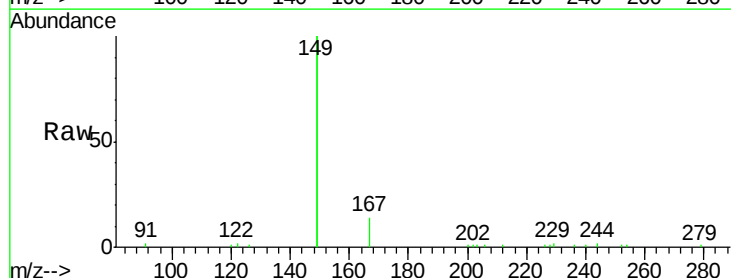
Tgt Ion:149 Resp: 63172

Ion Ratio Lower Upper

149 100

167 7.6 5.8 8.6

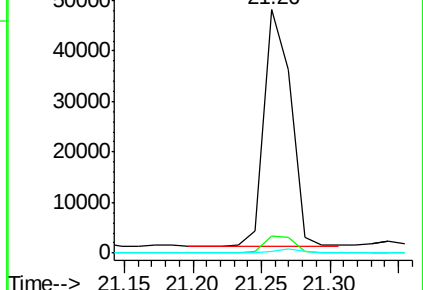
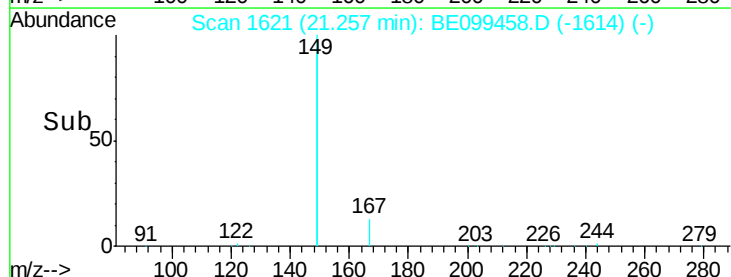
279 1.5 1.0 1.6



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: 0.691 ng

RT: 26.50 min Scan# 2934

Delta R.T. -0.01 min

Lab File: BE099458.D

Acq: 1 May 2019 11:29

Instrument :

BNA_E

ClientSampleId :

PST-028-SW005-042219MS

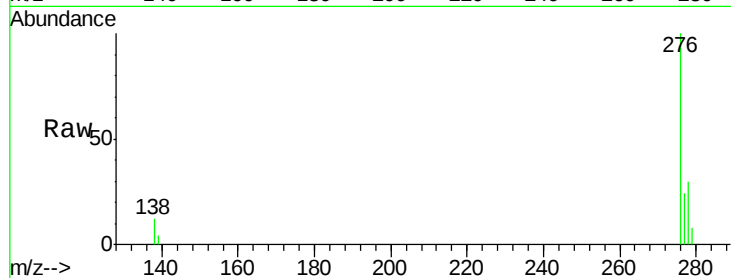
Tot Ion:276 Resp: 69008

Ion Ratio Lower Upper

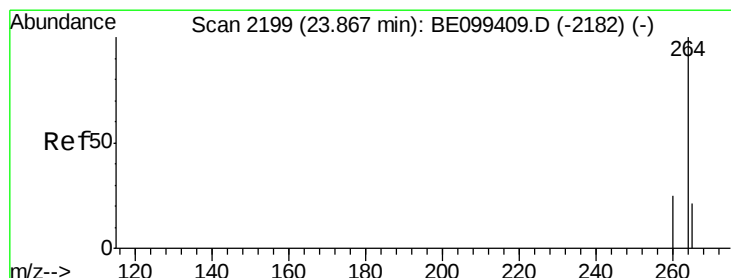
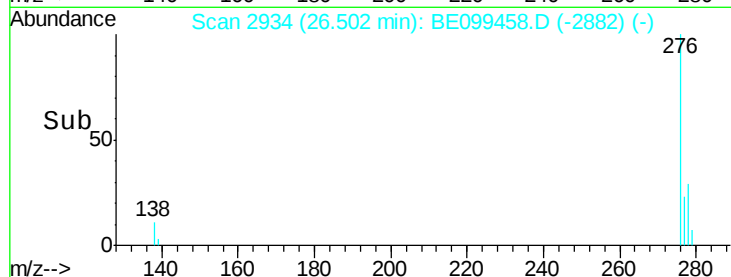
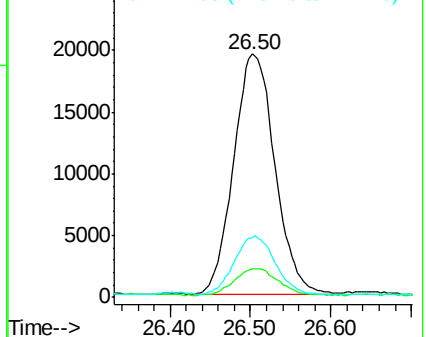
276 100

138 11.8 10.2 15.2

277 24.3 19.2 28.8



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: 23.86 min Scan# 2198

Delta R.T. -0.00 min

Lab File: BE099458.D

Acq: 1 May 2019 11:29

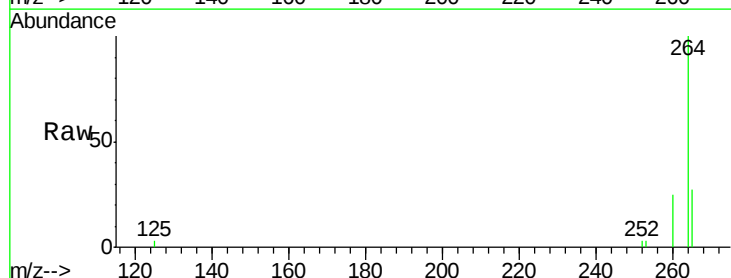
Tgt Ion:264 Resp: 30976

Ion Ratio Lower Upper

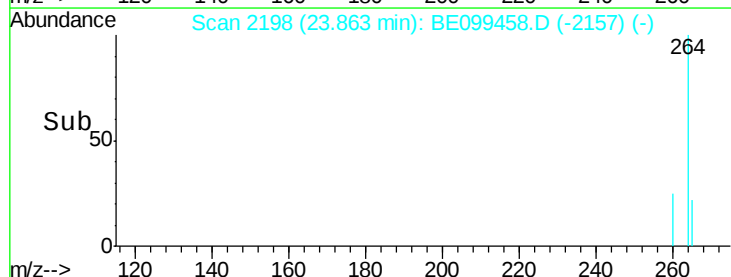
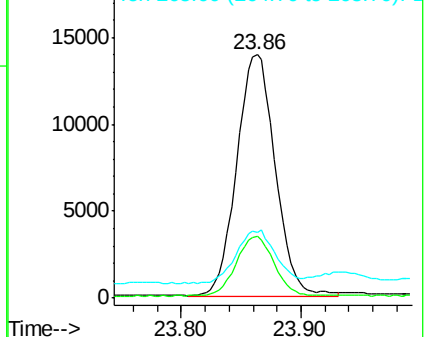
264 100

260 25.3 20.2 30.2

265 27.1 21.3 31.9



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: 0.985 ng

RT: 23.09 min Scan# 1982

Delta R.T. -0.00 min

Lab File: BE099458.D

Acq: 1 May 2019 11:29

Instrument :

BNA_E

ClientSampleId :

PST-028-SW005-042219MS

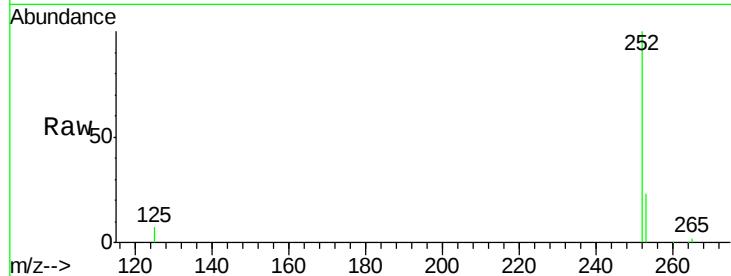
Tot Ion:252 Resp: 88013

Ion Ratio Lower Upper

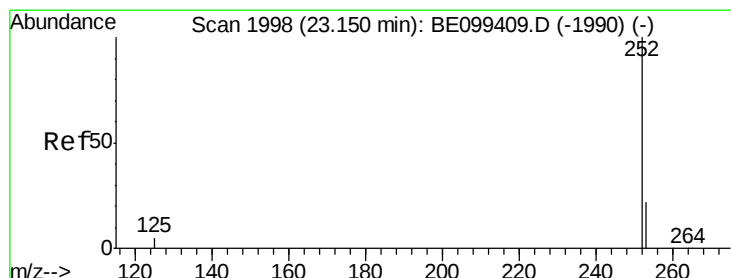
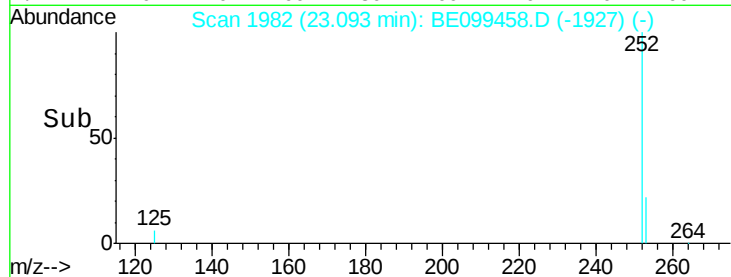
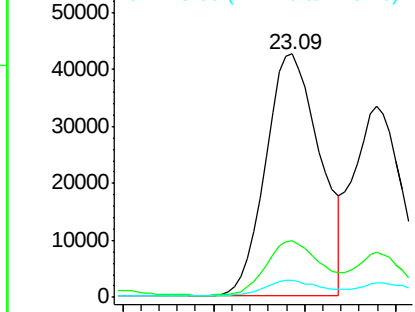
252 100

253 23.1 18.1 27.1

125 7.1 5.6 8.4



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



#36

Benzo(k)fluoranthene

Concen: 0.685 ng

RT: 23.14 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BE099458.D

Acq: 1 May 2019 11:29

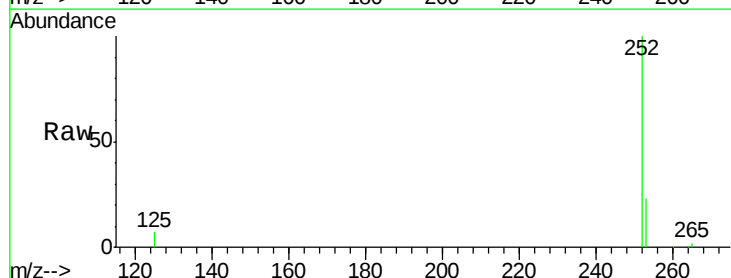
Tgt Ion:252 Resp: 58983

Ion Ratio Lower Upper

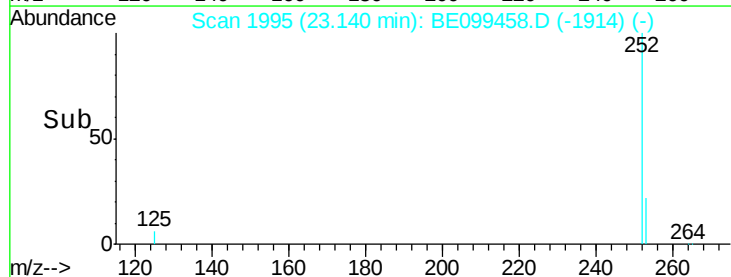
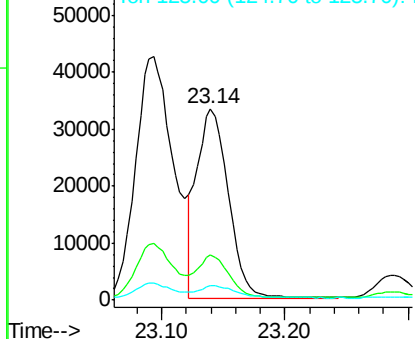
252 100

253 23.4 18.4 27.6

125 7.3 5.0 7.4



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





#37

Benzo(a)pyrene

Concen: 0.874 ng

RT: 23.75 min Scan# 2165

Delta R.T. -0.01 min

Lab File: BE099458.D

Acq: 1 May 2019 11:29

Instrument :

BNA_E

ClientSampleId :

PST-028-SW005-042219MS

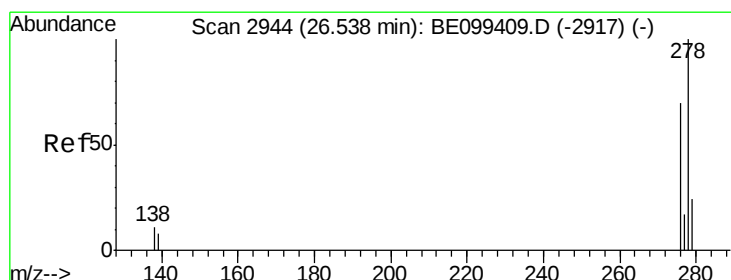
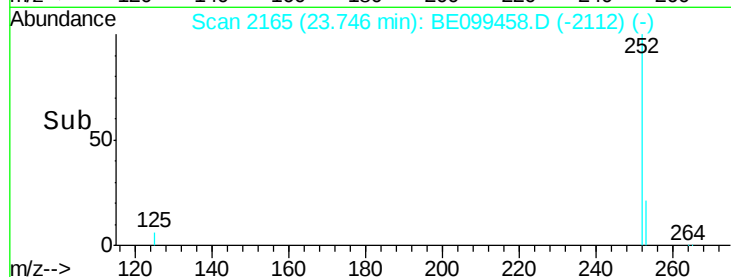
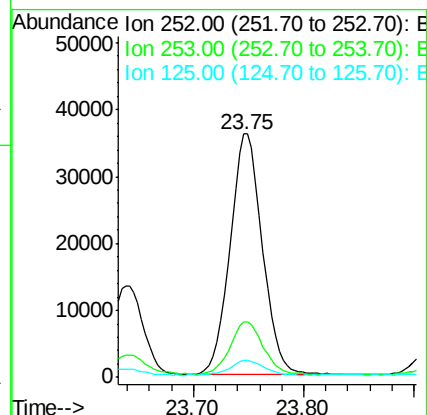
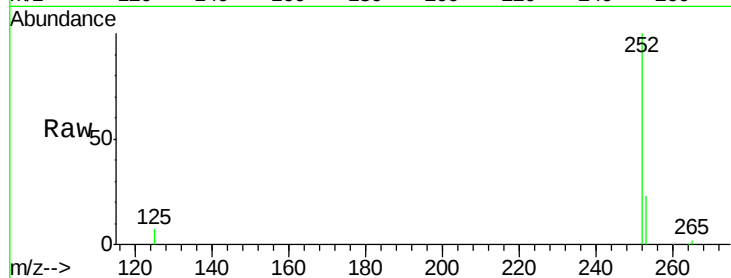
Tot Ion:252 Resp: 73800

Ion Ratio Lower Upper

252 100

253 22.6 18.9 28.3

125 7.1 6.7 10.1



#38

Dibenzo(a,h)anthracene

Concen: 0.481 ng

RT: 26.52 min Scan# 2940

Delta R.T. -0.01 min

Lab File: BE099458.D

Acq: 1 May 2019 11:29

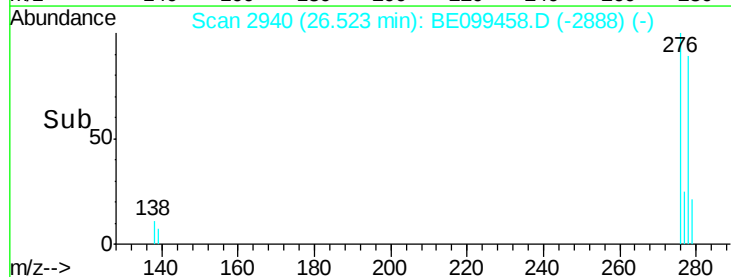
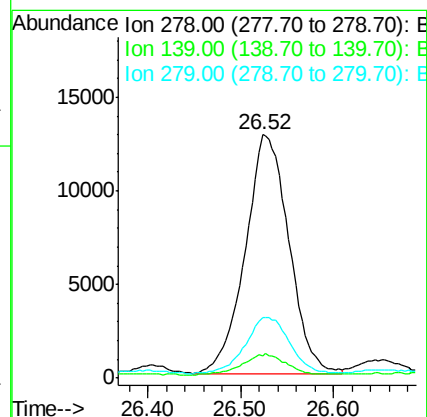
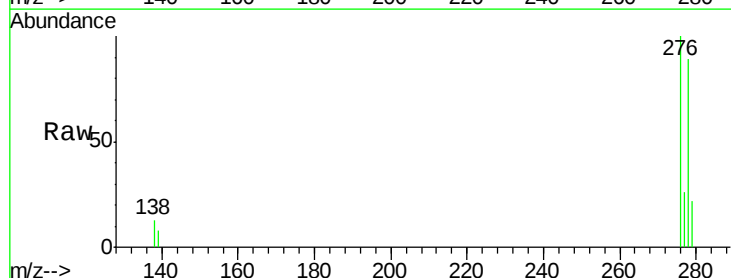
Tgt Ion:278 Resp: 41551

Ion Ratio Lower Upper

278 100

139 9.3 7.7 11.5

279 24.9 20.2 30.2





#39

Benzo(a,h,i)perylene

Concen: 0.718 ng

RT: 27.32 min Scan# 3164

Delta R.T. -0.01 min

Lab File: BE099458.D

Acq: 1 May 2019 11:29

Instrument :

BNA_E

ClientSampleId :

PST-028-SW005-042219MS

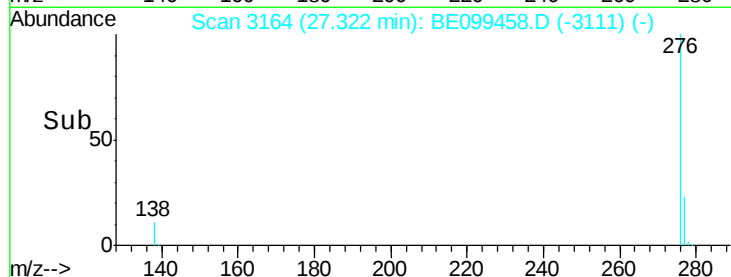
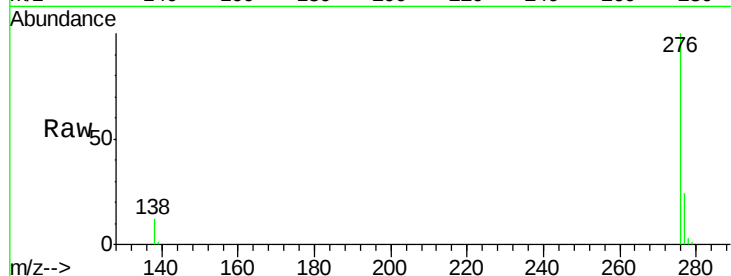
Tot Ion:276 Resp: 62162

Ion Ratio Lower Upper

276 100

277 24.4 19.5 29.3

138 11.6 9.6 14.4



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

