

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050219\
 Data File : BE099524.D
 Acq On : 3 May 2019 10:19
 Operator : JU/SJ
 Sample : K2589-05
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-SW018-042419

Quant Time: May 03 13:25:05 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	7.80	152	37	0.40	ng	-0.01
7) Naphthalene-d8	10.58	136	6	0.40	ng	-0.03
13) Acenaphthene-d10	14.46	164	20	0.40	ng	0.00
19) Phenanthrene-d10	17.17	188	43	0.40	ng	-0.01
27) Chrysene-d12	21.39	240	77	0.40	ng	0.02
34) Perylene-d12	23.88	264	37	0.40	ng	0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	2616	25.57	ng	0.00
5) Phenol-d6	6.98	99	3656	26.87	ng	0.00
8) Nitrobenzene-d5	8.96	82	2972	528.49	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	5656	523.21	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1809	143.59	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	8122	106.44	ng	0.00
25) Fluoranthene-d10	19.22	212	91099	157.19	ng	0.00
29) Terphenyl-d14	19.82	244	18318	129.90	ng	0.00

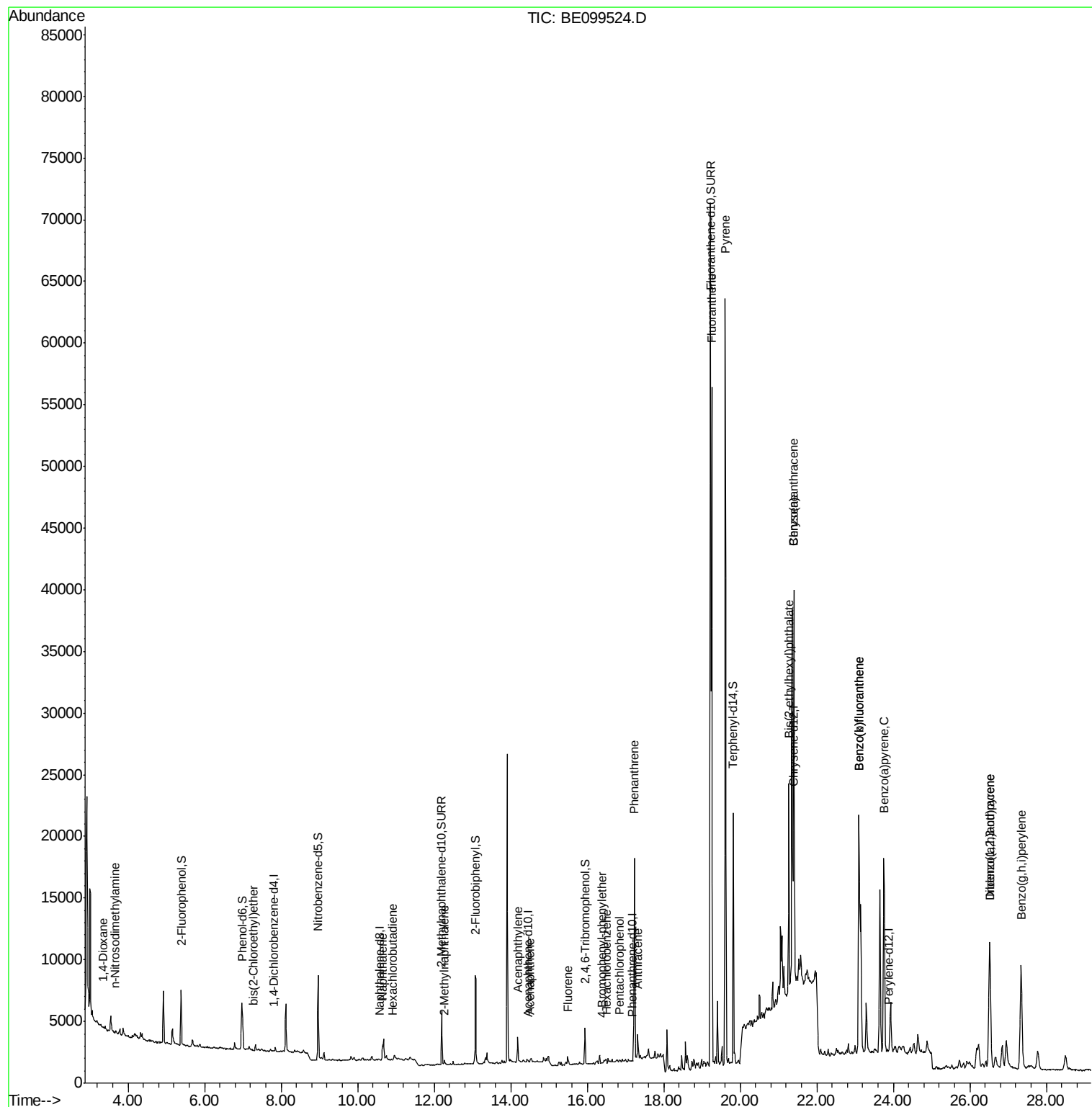
Target Compounds						Qvalue
2) 1,4-Dioxane	3.34	88	42	0.825	ng	# 27
3) n-Nitrosodimethylamine	3.67	42	72	2.347	ng	# 1
6) bis(2-Chloroethyl)ether	7.28	93	43	0.366	ng	# 1
9) Naphthalene	10.65	128	2119	32.410	ng	# 90
10) Hexachlorobutadiene	10.91	225	6	1.319	ng	# 18
12) 2-Methylnaphthalene	12.27	142	224	19.701	ng	# 84
16) Acenaphthylene	14.18	152	2770	28.303	ng	# 96
17) Acenaphthene	14.51	154	180	3.221	ng	# 77
18) Fluorene	15.49	166	602	7.301	ng	# 92
20) 4-Bromophenyl-phenylether	16.38	248	20	0.799	ng	# 45
21) Hexachlorobenzene	16.49	284	22	0.922	ng	# 7
22) Pentachlorophenol	16.84	266	80	5.787	ng	# 70
23) Phenanthrene	17.23	178	18403	165.857	ng	# 98
24) Anthracene	17.32	178	2174	20.557	ng	# 95
26) Fluoranthene	19.25	202	52458	315.631	ng	# 100
28) Pyrene	19.62	202	60298	300.416	ng	# 98
30) Benzo(a)anthracene	21.40	228	28926	117.905	ng	# 93
31) Chrysene	21.40	228	28767	119.826	ng	# 97
32) Bis(2-ethylhexyl)phthalate	21.27	149	18661	53.862	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.52	276	20898	73.652	ng	# 97
35) Benzo(b)fluoranthene	23.10	252	37166	348.356	ng	# 94
36) Benzo(k)fluoranthene	23.10	252	37166	361.262	ng	# 94
37) Benzo(a)pyrene	23.76	252	26003	257.805	ng	# 95
38) Dibenzo(a,h)anthracene	26.53	278	5045	48.897	ng	# 71
39) Benzo(g,h,i)perylene	27.34	276	22373	216.434	ng	# 96

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

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QLast Update : Mon Apr 29 18:36:43 2019
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.80 min Scan# 429

Delta R.T. -0.01 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

Instrument :

BNA_E

ClientSampleId :

PST-001-SW018-042419

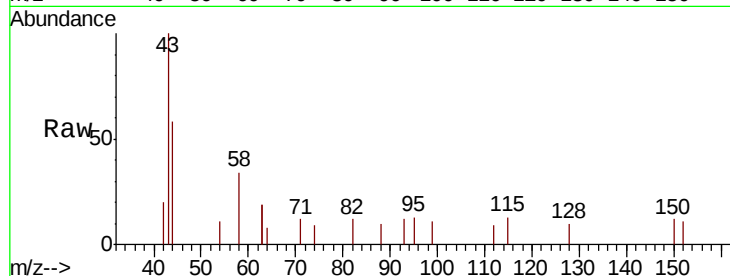
Tot Ion:152 Resp: 37

Ion Ratio Lower Upper

152 100

150 105.4 104.8 157.2

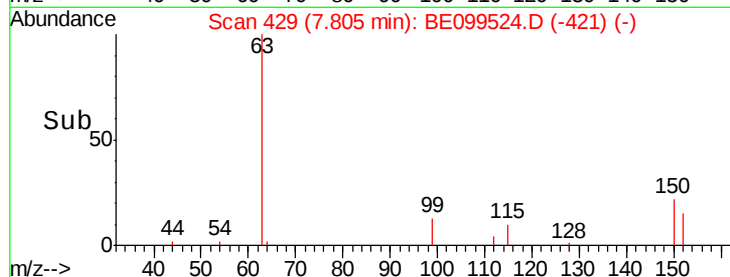
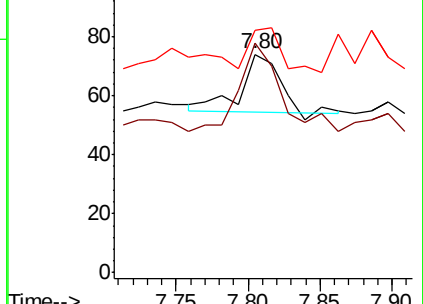
115 110.8 46.6 69.8#



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: 0.825 ng

RT: 3.34 min Scan# 41

Delta R.T. 0.02 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

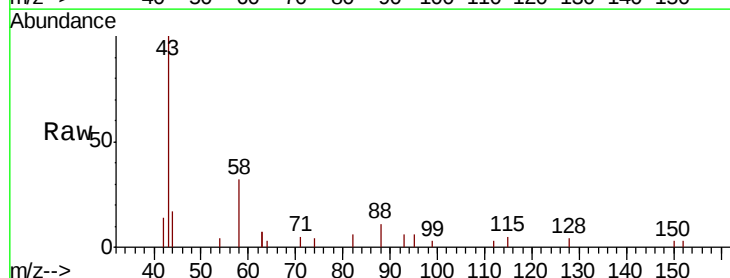
Tgt Ion: 88 Resp: 42

Ion Ratio Lower Upper

88 100

58 0.0 51.0 76.6#

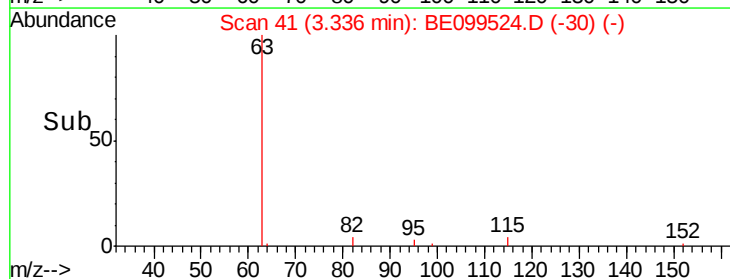
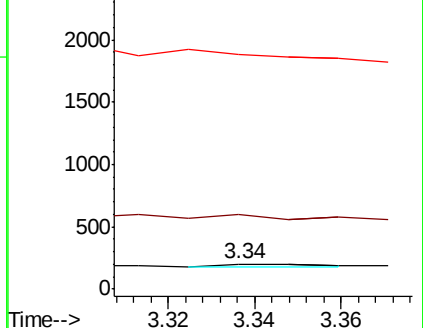
43 0.0 20.6 30.8#



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



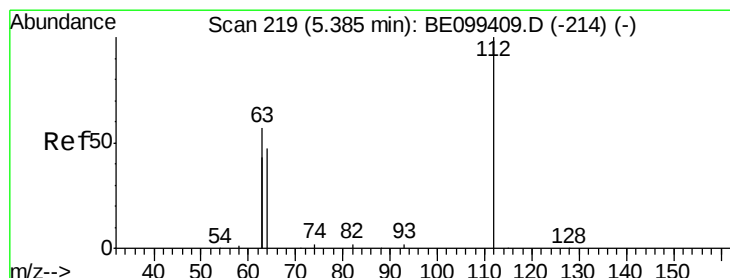
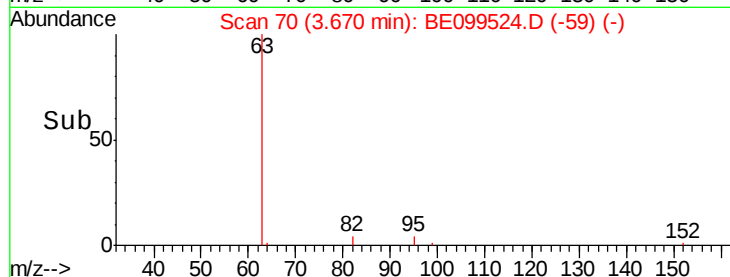
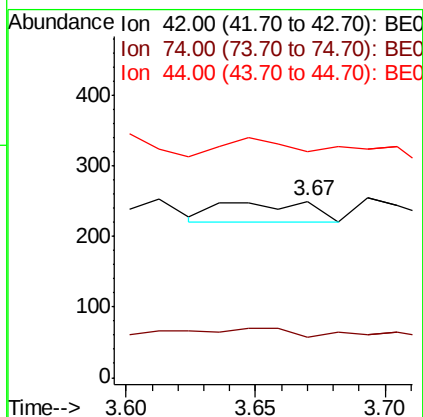
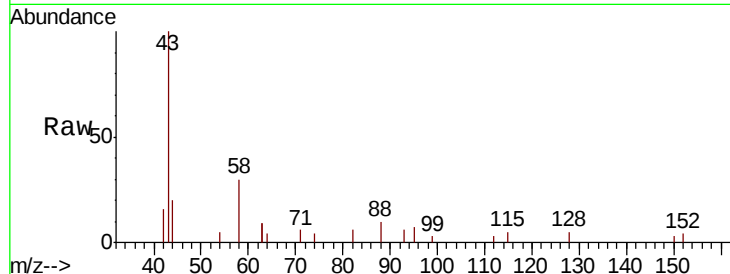


#3

n-Nitrosodimethylamine
 Concen: 2.347 ng
 RT: 3.67 min Scan# 70
 Delta R.T. 0.02 min
 Lab File: BE099524.D
 Acq: 3 May 2019 10:19

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-SW018-042419

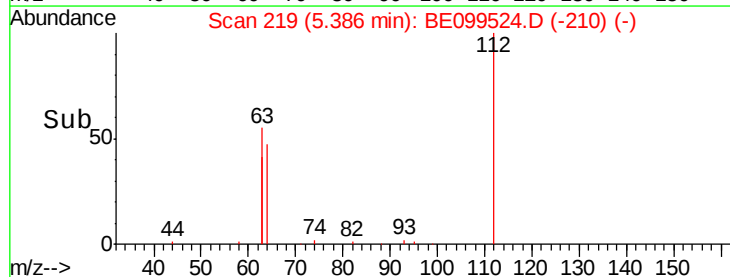
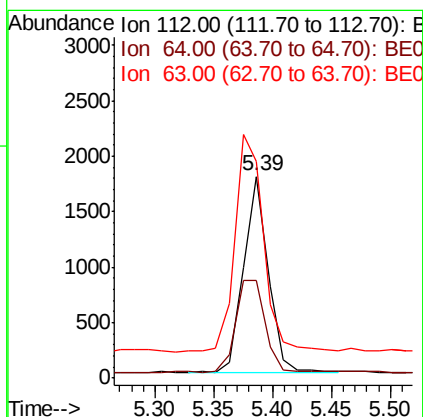
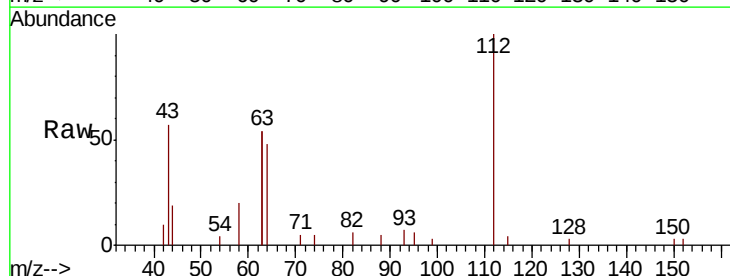
Tot Ion: 42 Resp: 72
 Ion Ratio Lower Upper
 42 100
 74 0.0 141.6 212.4#
 44 0.0 0.0 0.0

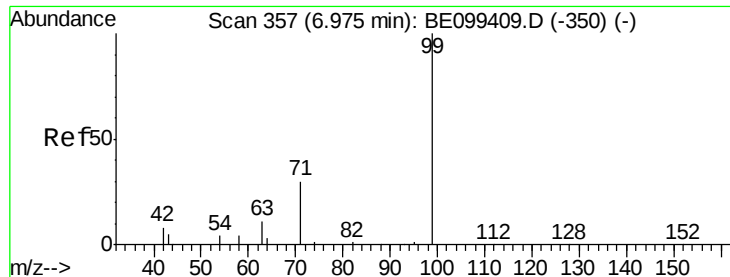


#4

2-Fluorophenol
 Concen: 25.570 ng
 RT: 5.39 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: BE099524.D
 Acq: 3 May 2019 10:19

Tgt Ion: 112 Resp: 2616
 Ion Ratio Lower Upper
 112 100
 64 55.8 47.4 71.0
 63 125.8 104.3 156.5





#5

Phenol-d6

Concen: 26.868 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

Instrument :

BNA_E

ClientSampleId :

PST-001-SW018-042419

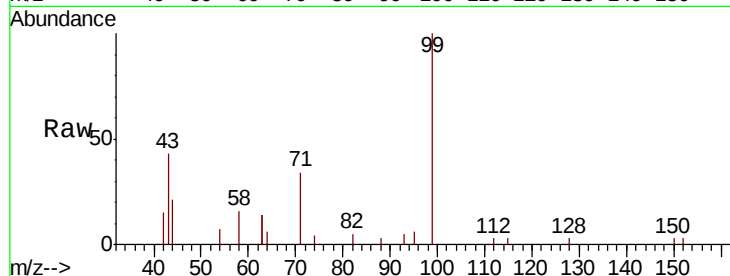
Tot Ion: 99 Resp: 3656

Ion Ratio Lower Upper

99 100

42 17.0 14.9 22.3

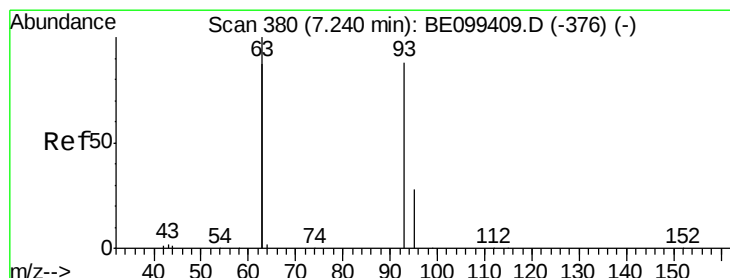
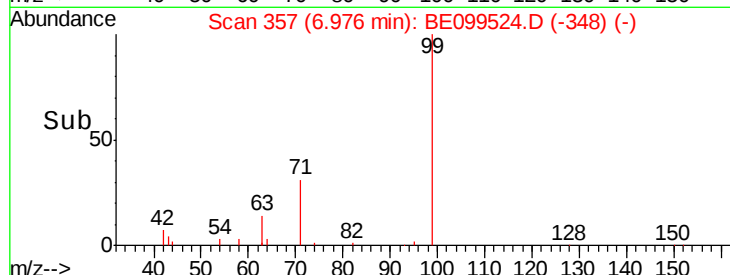
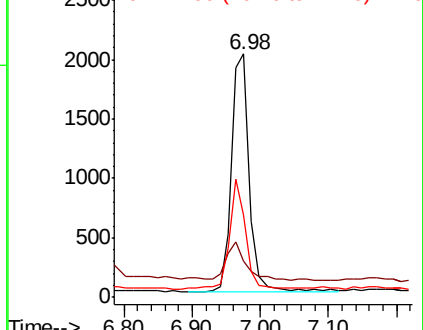
71 41.7 33.0 49.6



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: 0.366 ng

RT: 7.28 min Scan# 383

Delta R.T. 0.04 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

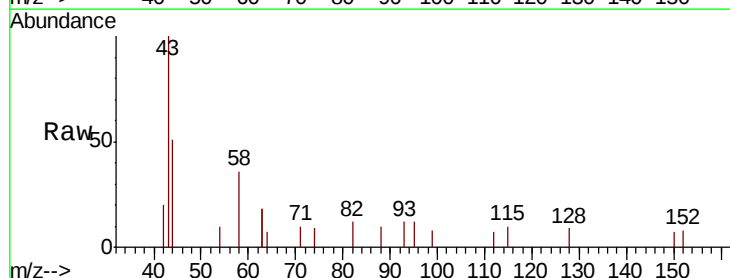
Tgt Ion: 93 Resp: 43

Ion Ratio Lower Upper

93 100

63 0.0 215.6 323.4#

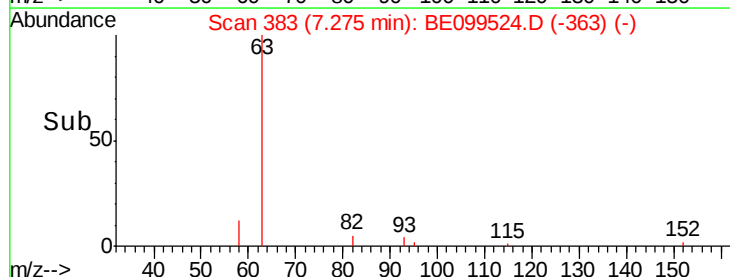
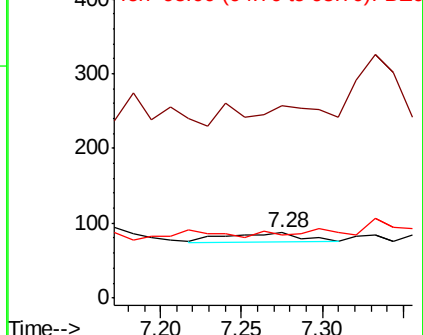
95 0.0 26.2 39.2#



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: 10.58 min Scan# 647

Delta R.T. -0.03 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

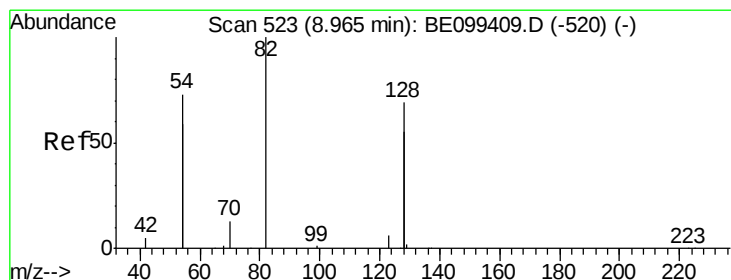
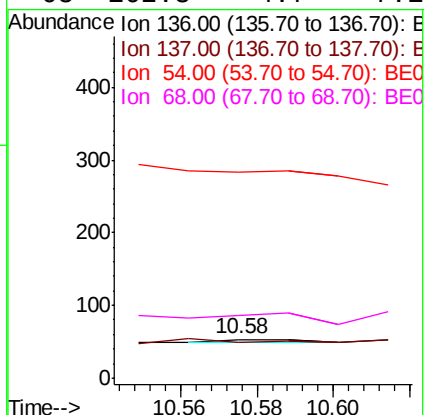
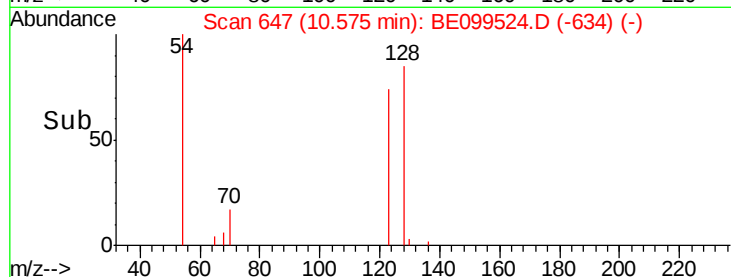
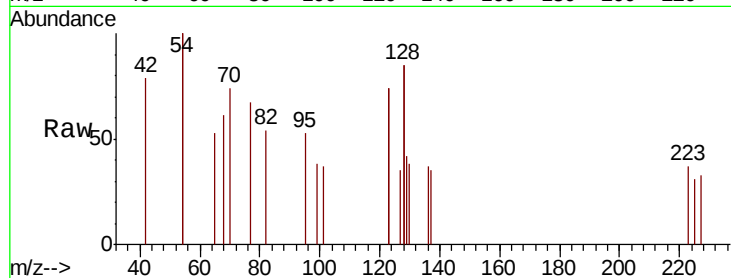
Instrument :

BNA_E

ClientSampleId :

PST-001-SW018-042419

Tot Ion:136	Resp:	6
Ion Ratio	Lower	Upper
136 100		
137 92.5	9.8	14.8#
54 535.8	18.5	27.7#
68 162.3	4.7	7.1#



#8

Nitrobenzene-d5

Concen: 528.491 ng

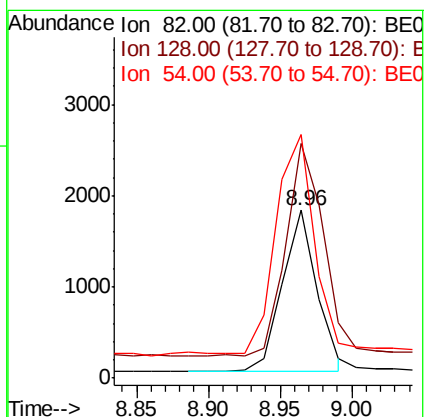
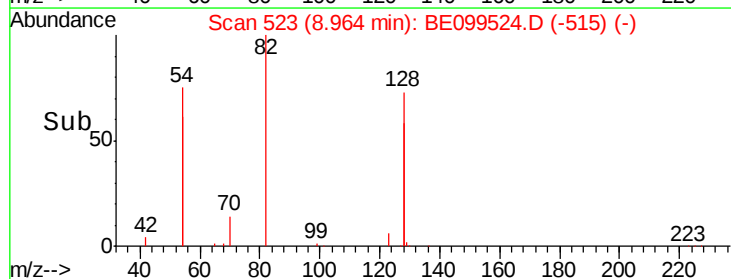
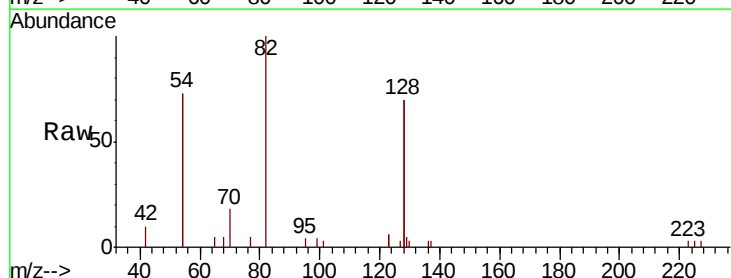
RT: 8.96 min Scan# 523

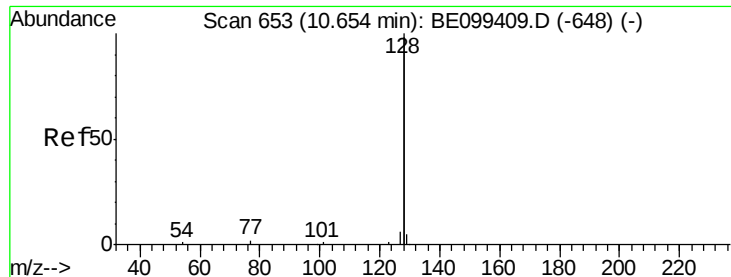
Delta R.T. -0.00 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

Tgt	Ion: 82	Resp:	2972
Ion	Ratio	Lower	Upper
82	100		
128	139.7	107.0	160.4
54	145.1	113.1	169.7





#9

Naphthalene

Concen: 32.410 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

Instrument :

BNA_E

ClientSampleId :

PST-001-SW018-042419

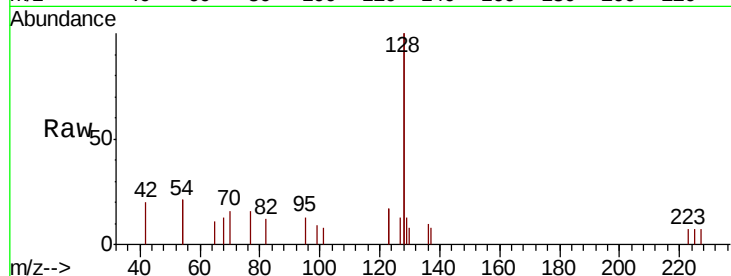
Tot Ion:128 Resp: 2119

Ion Ratio Lower Upper

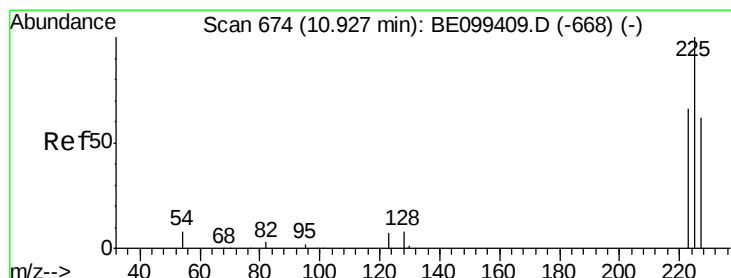
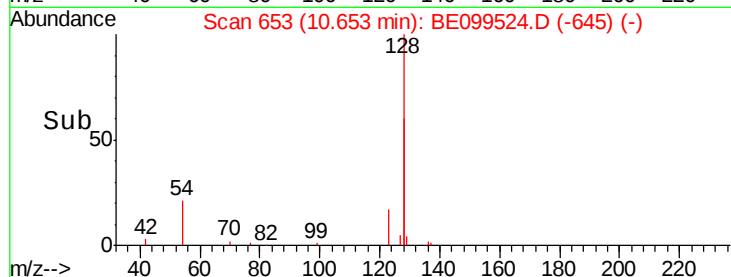
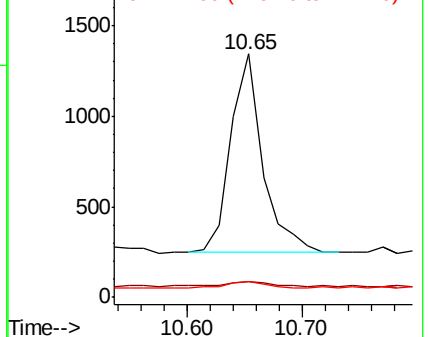
128 100

129 6.6 2.4 3.6#

127 6.6 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: 1.319 ng

RT: 10.91 min Scan# 673

Delta R.T. -0.01 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

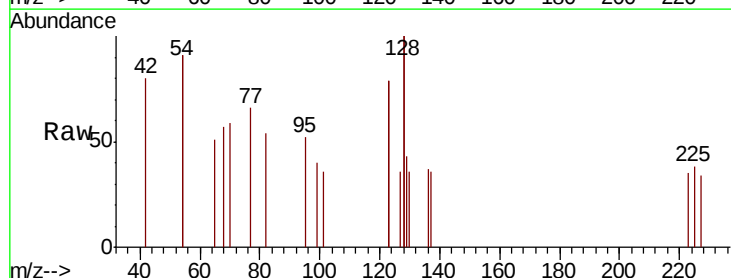
Tgt Ion:225 Resp: 6

Ion Ratio Lower Upper

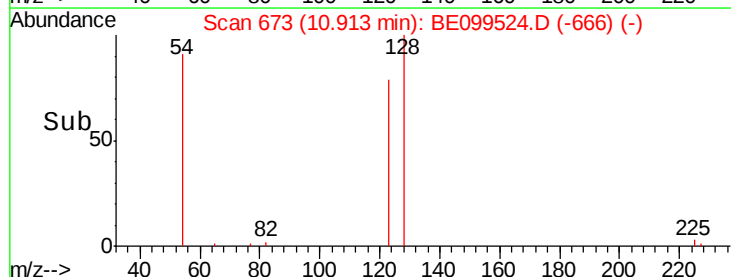
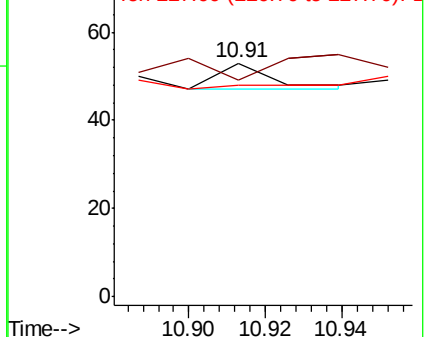
225 100

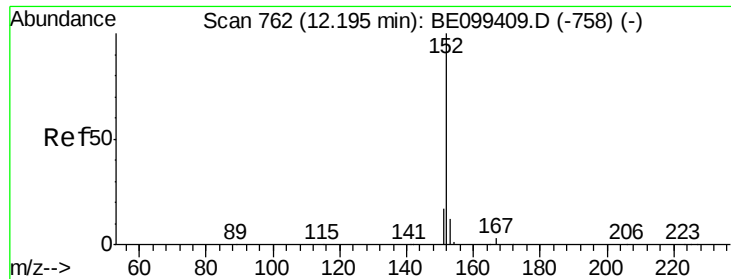
223 0.0 51.0 76.6#

227 0.0 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

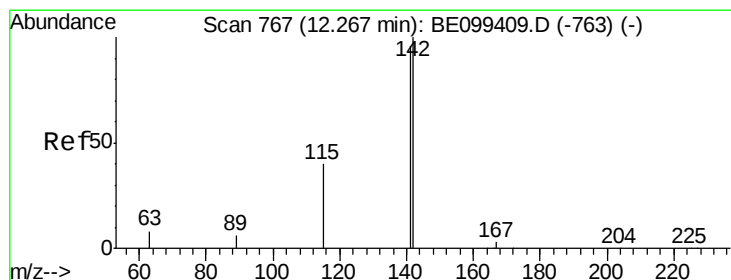
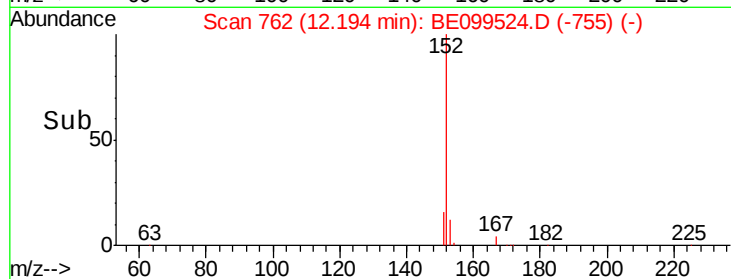
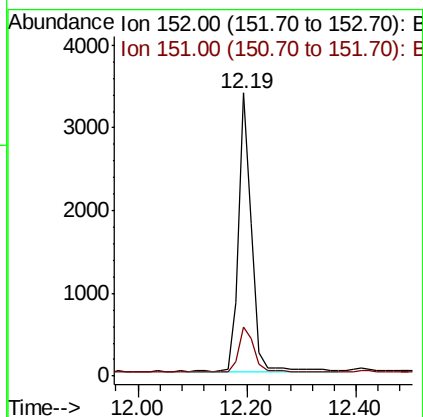
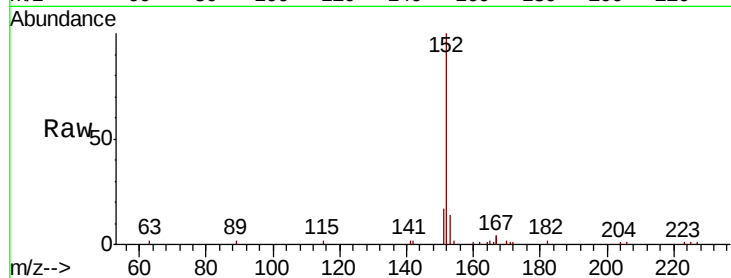




#11
2-Methylnaphthalene-d10
Concen: 523.207 ng
RT: 12.19 min Scan# 762
Delta R.T. -0.00 min
Lab File: BE099524.D
Acq: 3 May 2019 10:19

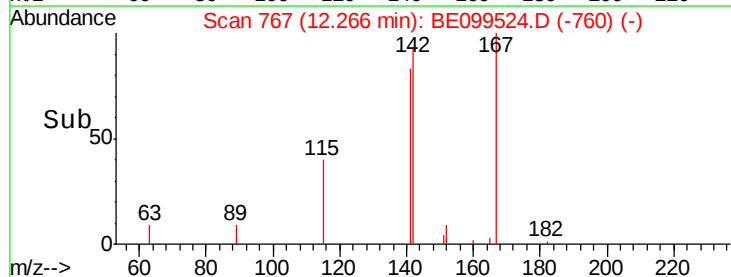
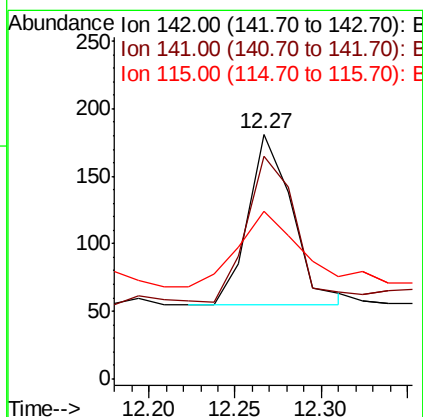
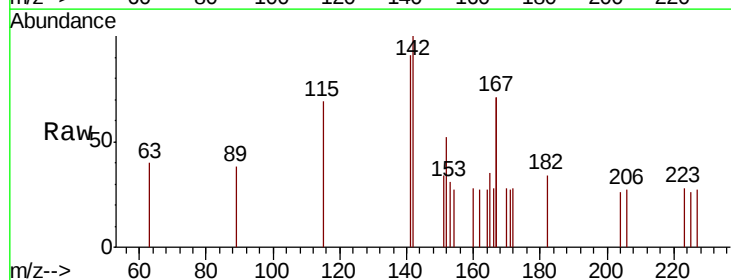
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PST-001-SW018-042419

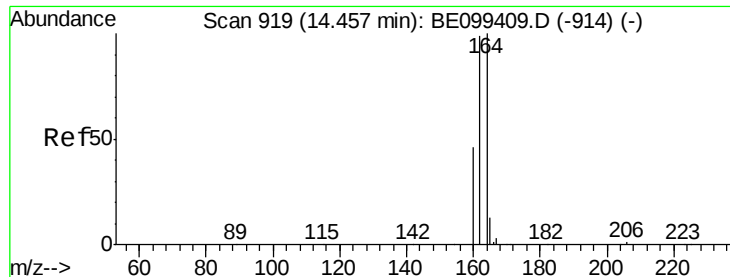
Tot Ion:152 Resp: 5656
Ion Ratio Lower Upper
152 100
151 19.2 15.5 23.3



#12
2-Methylnaphthalene
Concen: 19.701 ng
RT: 12.27 min Scan# 767
Delta R.T. -0.00 min
Lab File: BE099524.D
Acq: 3 May 2019 10:19

Tgt Ion:142 Resp: 224
Ion Ratio Lower Upper
142 100
141 91.2 77.0 115.4
115 68.5 33.4 50.0#

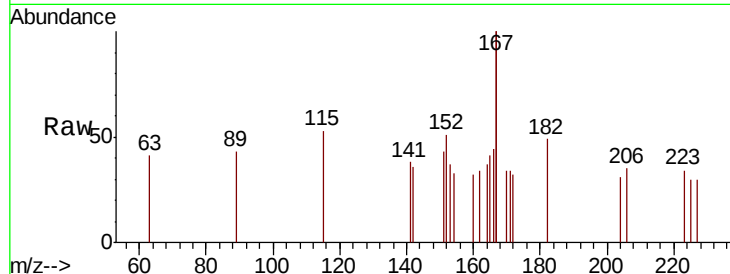




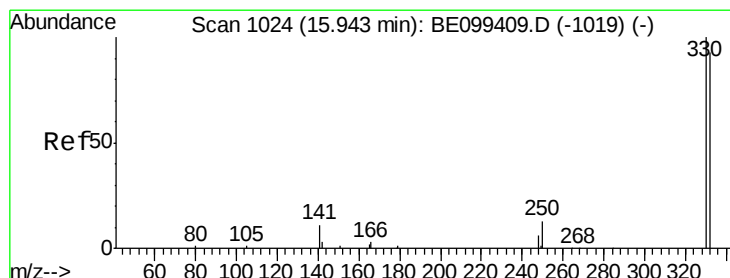
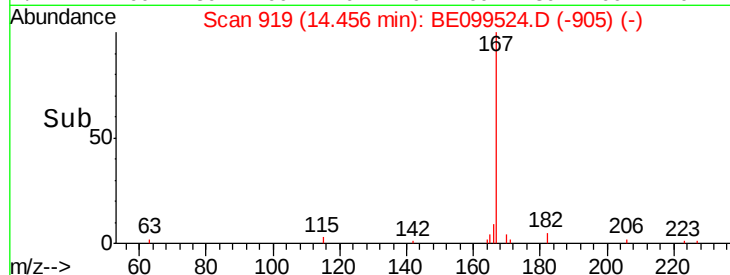
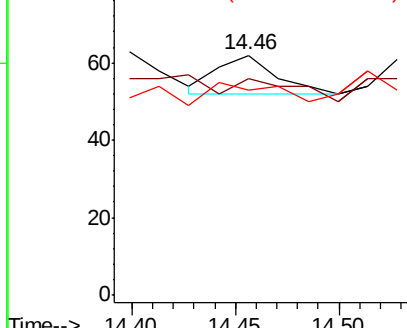
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.00 min
Lab File: BE099524.D
Acq: 3 May 2019 10:19

Instrument :
BNA_E
ClientSampleId :
PST-001-SW018-042419

Tot Ion:164 Resp: 20
Ion Ratio Lower Upper
164 100
162 90.3 79.0 118.4
160 85.5 37.0 55.4#

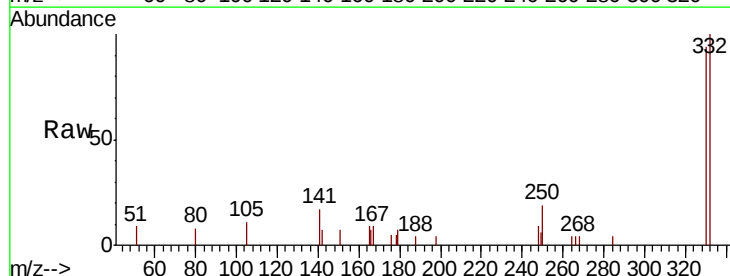


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

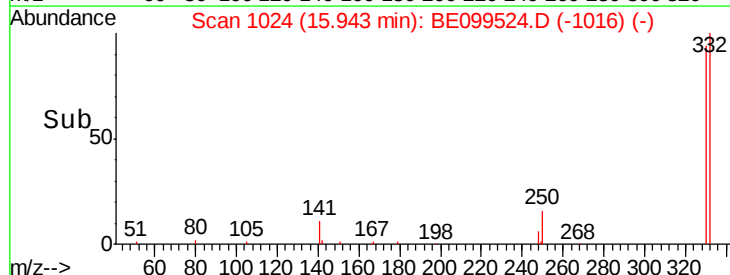
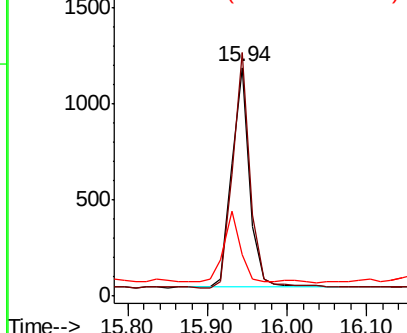


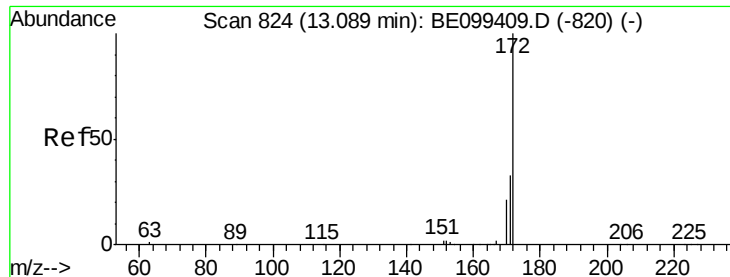
#14
2,4,6-Tribromophenol
Concen: 143.593 ng
RT: 15.94 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BE099524.D
Acq: 3 May 2019 10:19

Tgt Ion:330 Resp: 1809
Ion Ratio Lower Upper
330 100
332 103.4 71.5 107.3
141 29.0 24.0 36.0



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

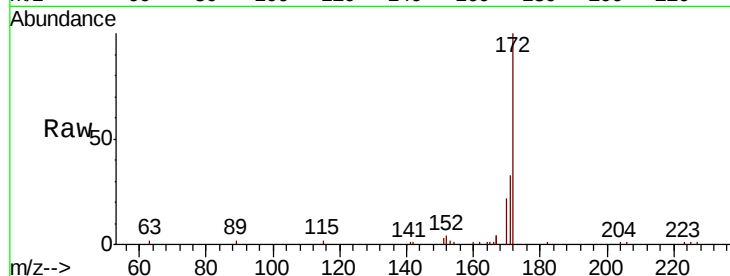




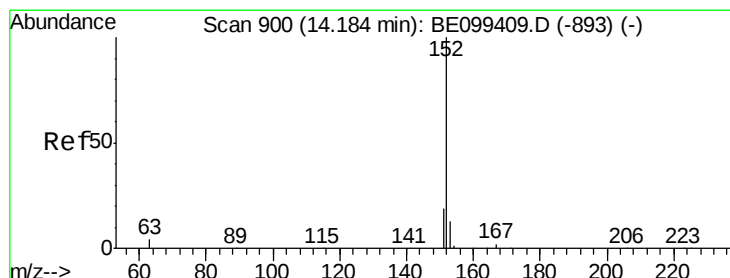
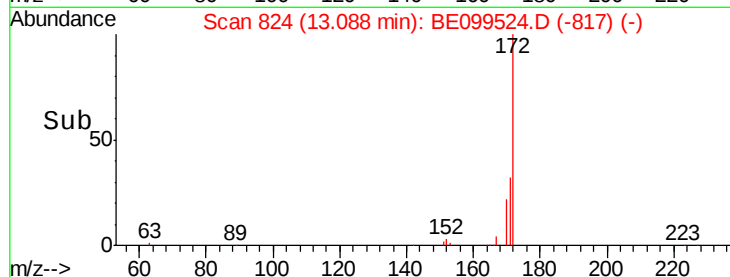
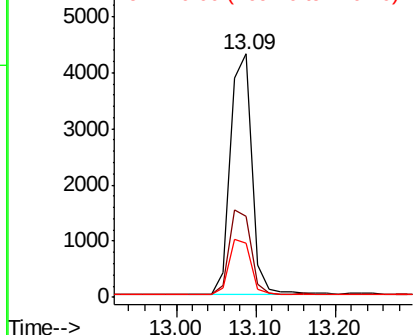
#15
2-Fluorobiphenyl
Concen: 106.438 ng
RT: 13.09 min Scan# 824
Delta R.T. -0.00 min
Lab File: BE099524.D
Acq: 3 May 2019 10:19

Instrument :
BNA_E
ClientSampleId :
PST-001-SW018-042419

Tot Ion:172 Resp: 8122
Ion Ratio Lower Upper
172 100
171 33.1 26.6 39.8
170 22.4 17.0 25.6

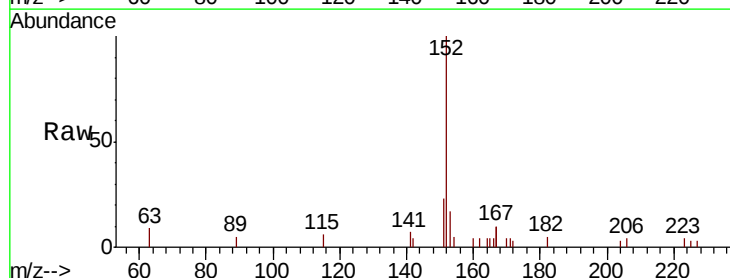


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

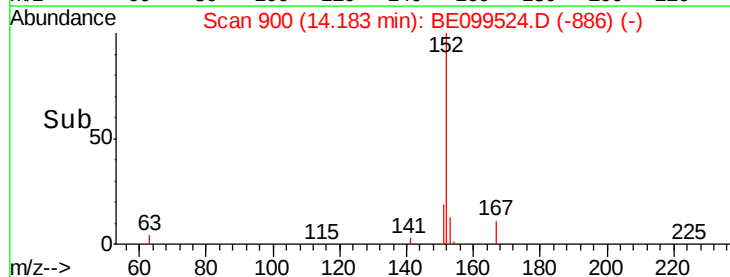
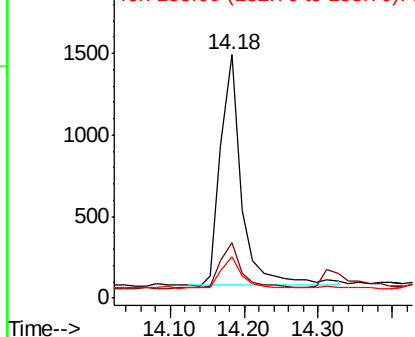


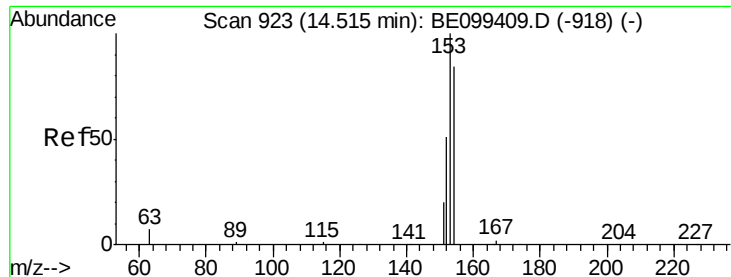
#16
Acenaphthylene
Concen: 28.303 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE099524.D
Acq: 3 May 2019 10:19

Tgt Ion:152 Resp: 2770
Ion Ratio Lower Upper
152 100
151 21.3 15.4 23.2
153 13.1 9.8 14.6



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

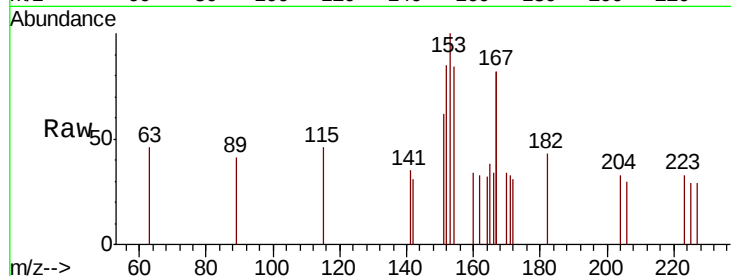




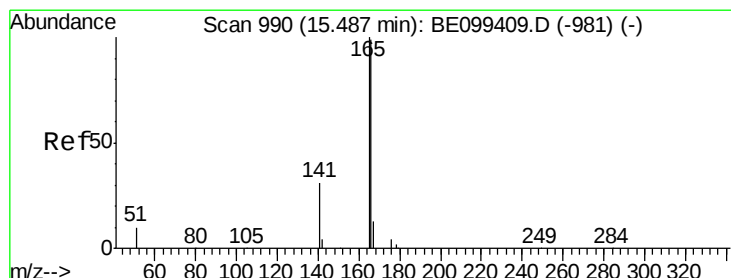
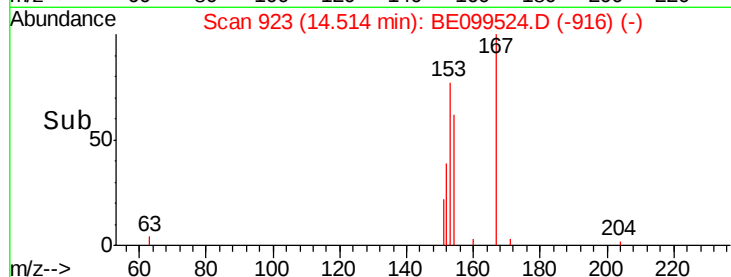
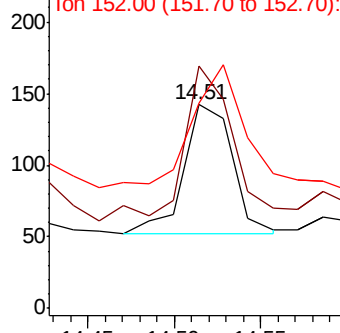
#17
Acenaphthene
Concen: 3.221 ng
RT: 14.51 min Scan# 923
Delta R.T. -0.00 min
Lab File: BE099524.D
Acq: 3 May 2019 10:19

Instrument :
BNA_E
ClientSampleId :
PST-001-SW018-042419

Tot Ion:154 Resp: 180
Ion Ratio Lower Upper
154 100
153 121.1 92.6 138.8
152 101.1 45.8 68.8#

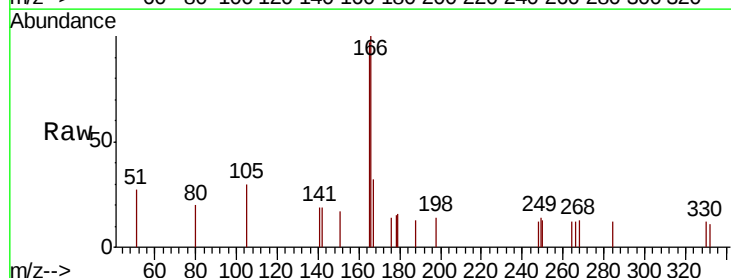


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

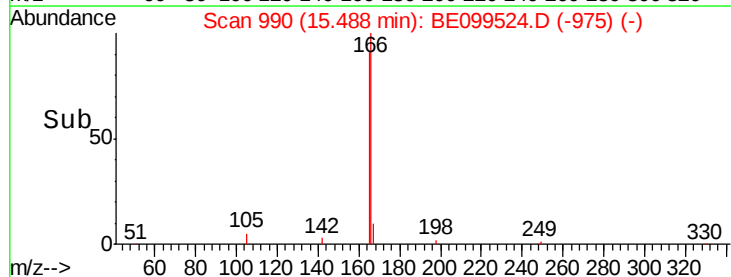
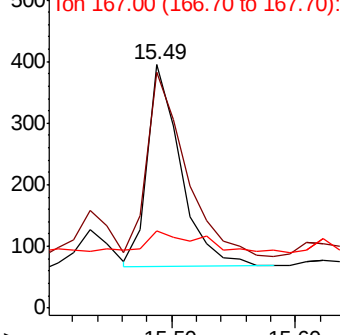


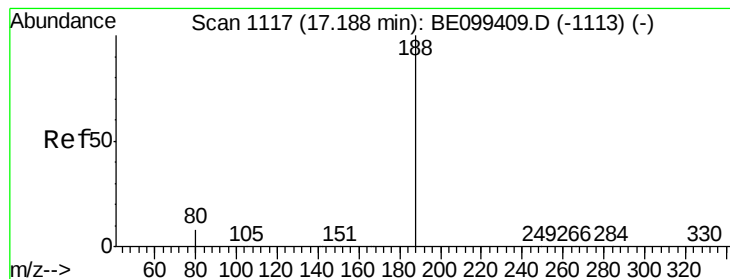
#18
Fluorene
Concen: 7.301 ng
RT: 15.49 min Scan# 990
Delta R.T. 0.00 min
Lab File: BE099524.D
Acq: 3 May 2019 10:19

Tgt Ion:166 Resp: 602
Ion Ratio Lower Upper
166 100
165 106.5 80.3 120.5
167 23.9 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: 17.17 min Scan# 1116

Delta R.T. -0.01 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

Instrument :

BNA_E

ClientSampleId :

PST-001-SW018-042419

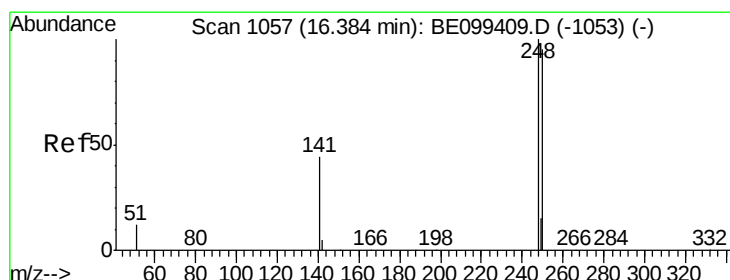
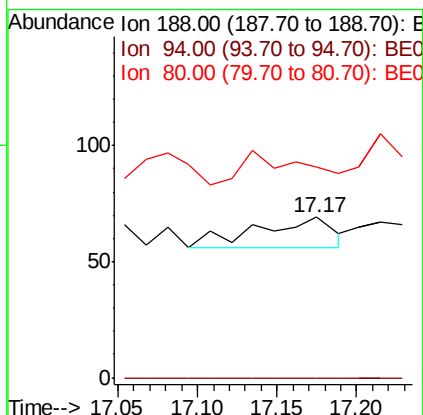
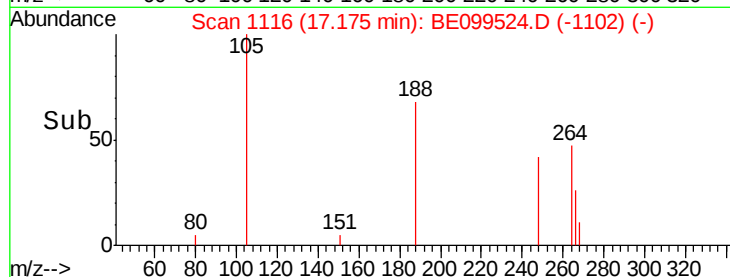
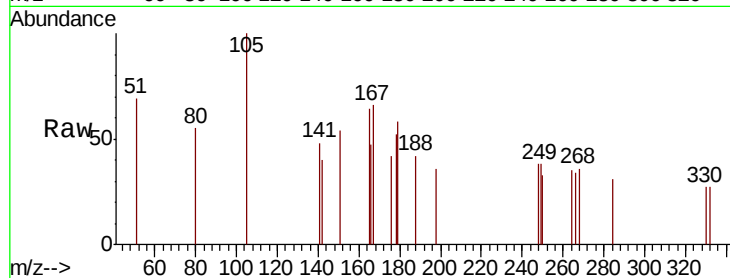
Tot Ion:188 Resp: 43

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 131.9 6.7 10.1#



#20

4-Bromophenyl-phenylether

Concen: 0.799 ng

RT: 16.38 min Scan# 1057

Delta R.T. 0.00 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

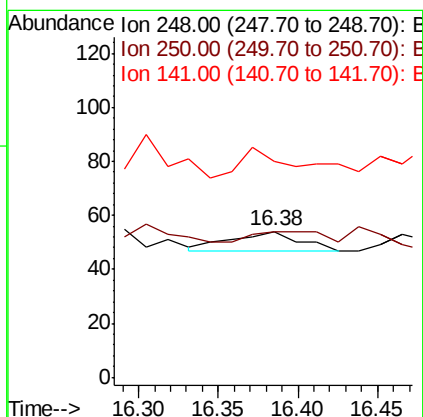
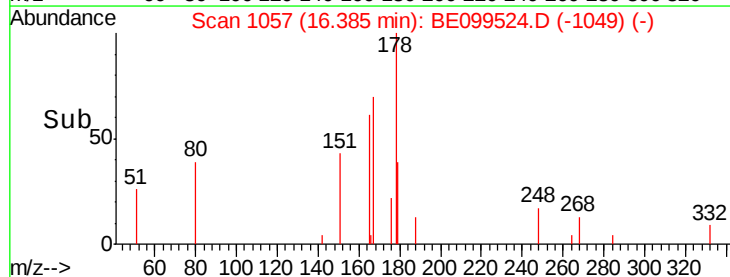
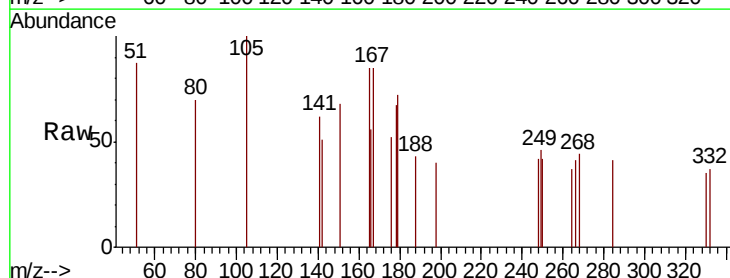
Tgt Ion:248 Resp: 20

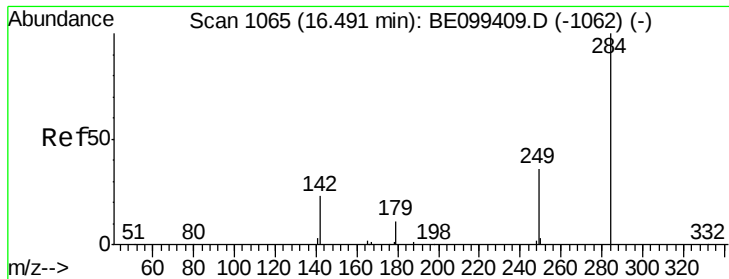
Ion Ratio Lower Upper

248 100

250 100.0 75.8 113.8

141 148.1 35.7 53.5#

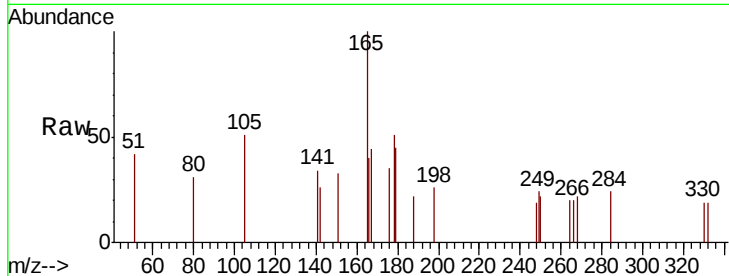




#21
Hexachlorobenzene
Concen: 0.922 ng
RT: 16.49 min Scan# 1065
Delta R.T. 0.00 min
Lab File: BE099524.D
Acq: 3 May 2019 10:19

Instrument :
BNA_E
ClientSampleId :
PST-001-SW018-042419

Tot Ion	Ratio	Lower	Upper
284	100		
142	0.0	21.0	31.6#
249	104.5	26.7	40.1#

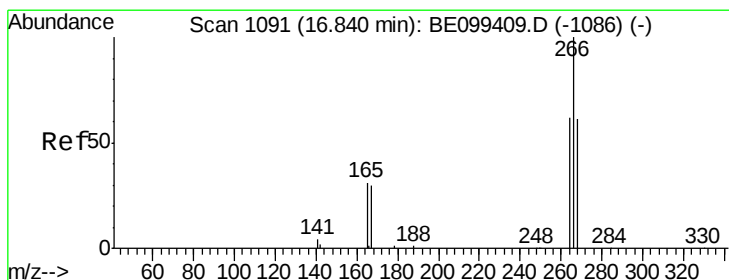
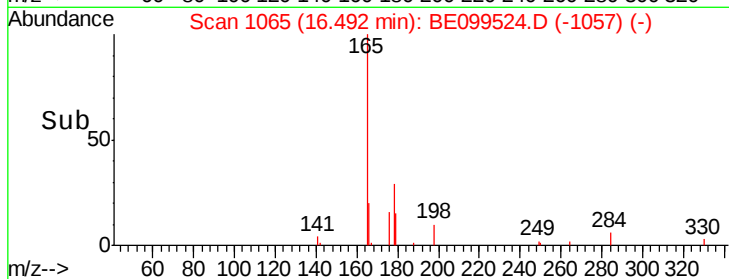
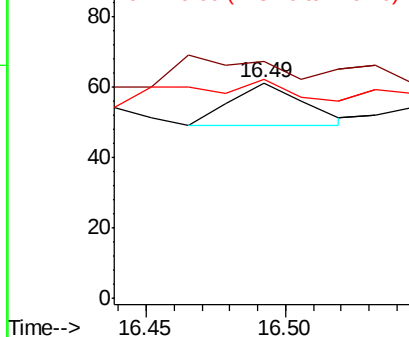


Abundance

Ion 283.80 (283.50 to 284.50): E

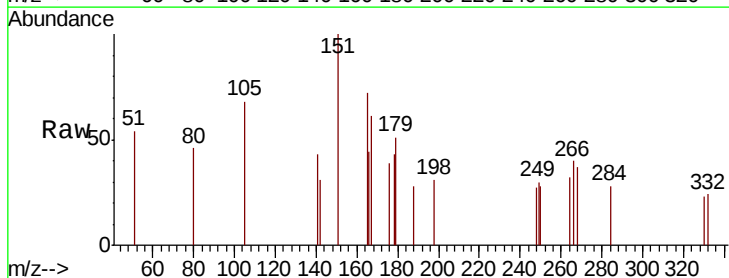
Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22
Pentachlorophenol
Concen: 5.787 ng
RT: 16.84 min Scan# 1091
Delta R.T. 0.00 min
Lab File: BE099524.D
Acq: 3 May 2019 10:19

Tgt Ion	Ratio	Lower	Upper
266	100		
264	79.5	50.8	76.2#
268	93.6	50.5	75.7#

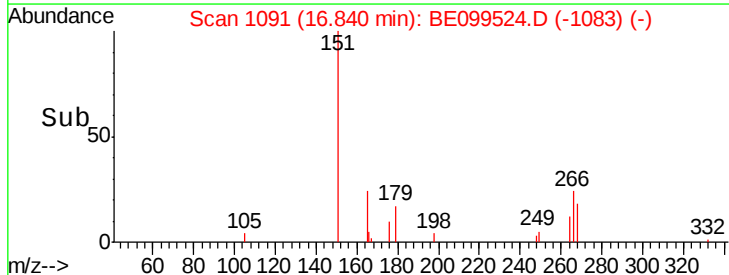
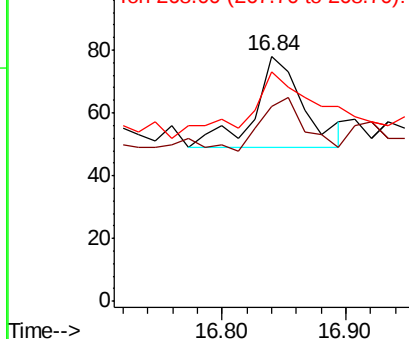


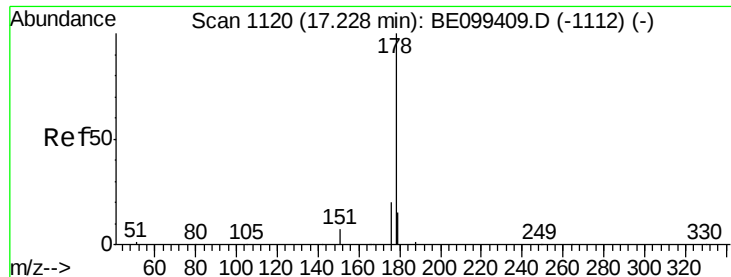
Abundance

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

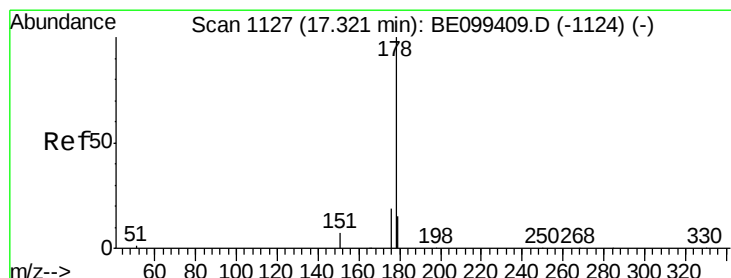
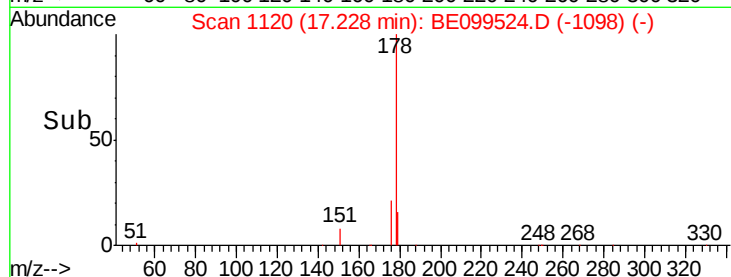
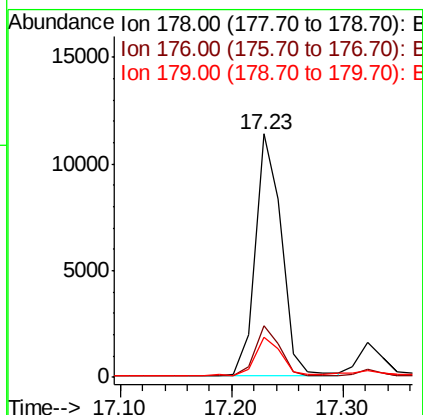
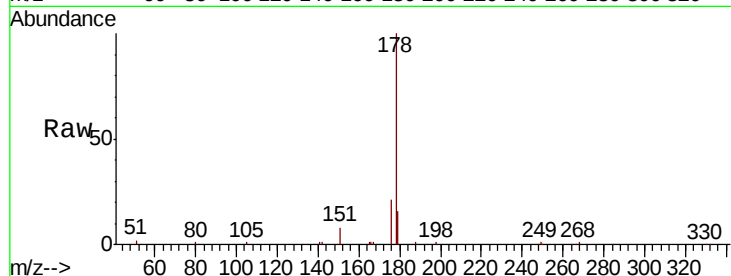




#23
Phenanthrene
Concen: 165.857 ng
RT: 17.23 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE099524.D
Acq: 3 May 2019 10:19

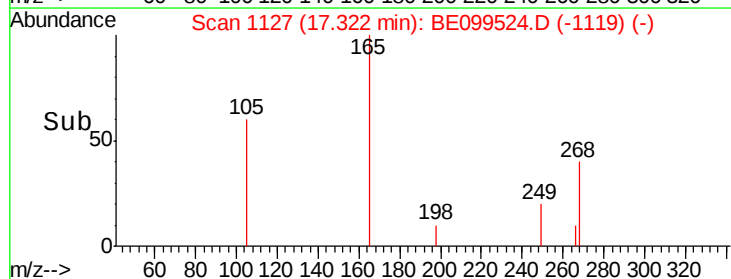
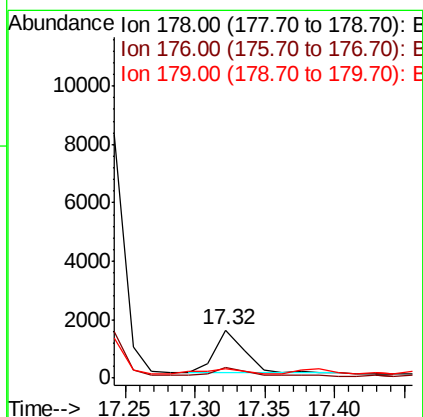
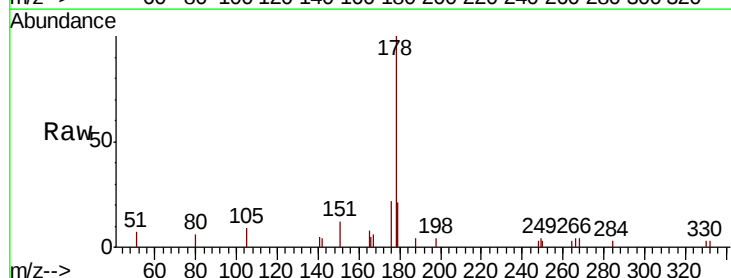
Instrument :
BNA_E
ClientSampleId :
PST-001-SW018-042419

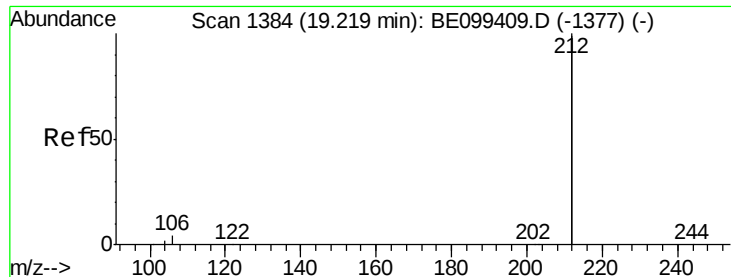
Tot Ion:178 Resp: 18403
Ion Ratio Lower Upper
178 100
176 20.0 15.6 23.4
179 15.9 12.0 18.0



#24
Anthracene
Concen: 20.557 ng
RT: 17.32 min Scan# 1127
Delta R.T. 0.00 min
Lab File: BE099524.D
Acq: 3 May 2019 10:19

Tgt Ion:178 Resp: 2174
Ion Ratio Lower Upper
178 100
176 21.0 14.9 22.3
179 16.4 11.9 17.9





#25

Fluoranthene-d10

Concen: 157.189 ng

RT: 19.22 min Scan# 1384

Delta R.T. 0.00 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

Instrument :

BNA_E

ClientSampleId :

PST-001-SW018-042419

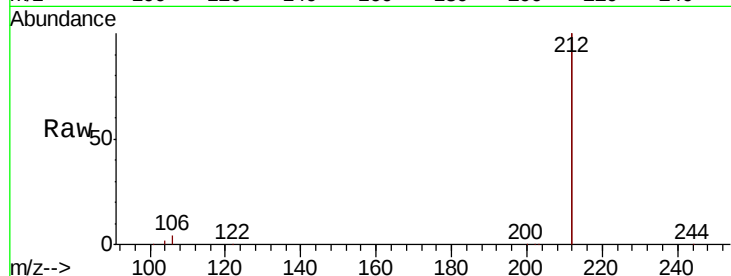
Tot Ion:212 Resp: 91099

Ion Ratio Lower Upper

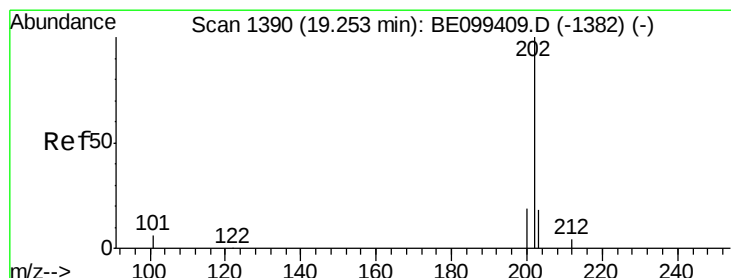
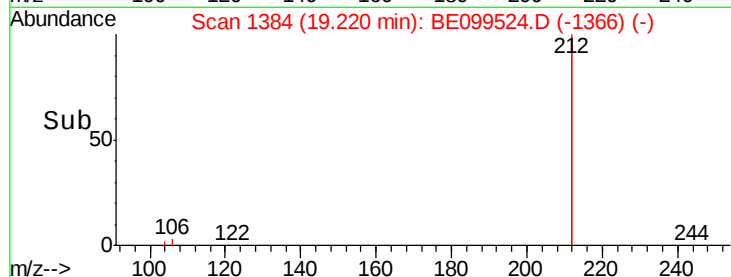
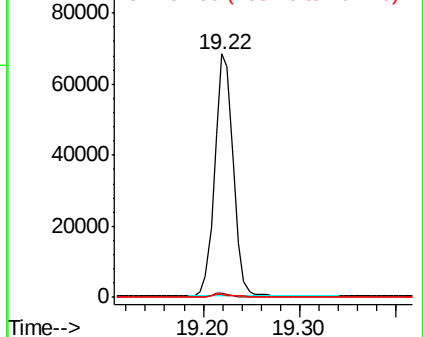
212 100

106 1.7 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: 315.631 ng

RT: 19.25 min Scan# 1390

Delta R.T. 0.00 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

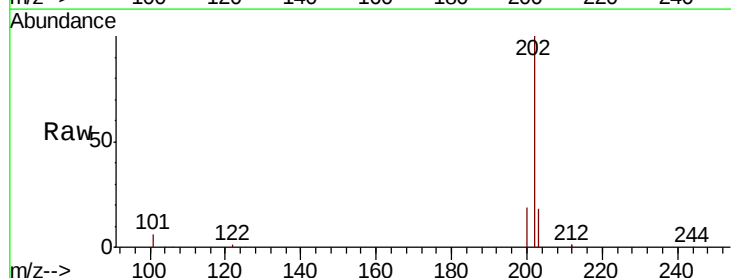
Tgt Ion:202 Resp: 52458

Ion Ratio Lower Upper

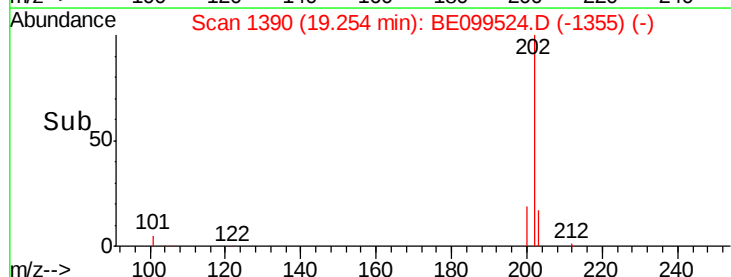
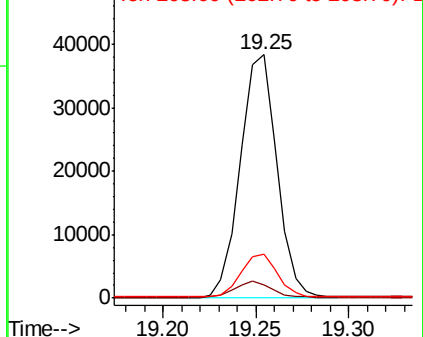
202 100

101 6.7 5.4 8.0

203 17.6 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: 21.39 min Scan# 1631

Delta R.T. 0.02 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

Instrument :

BNA_E

ClientSampleId :

PST-001-SW018-042419

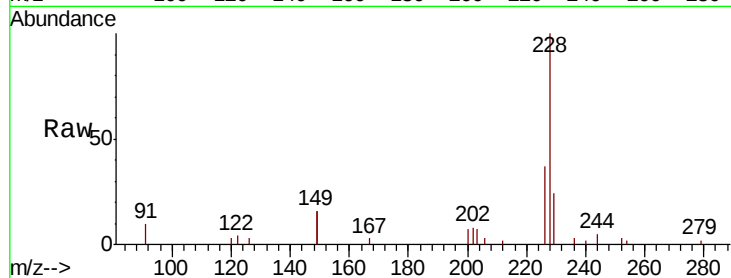
Tot Ion:240 Resp: 77

Ion Ratio Lower Upper

240 100

120 130.9 4.0 6.0#

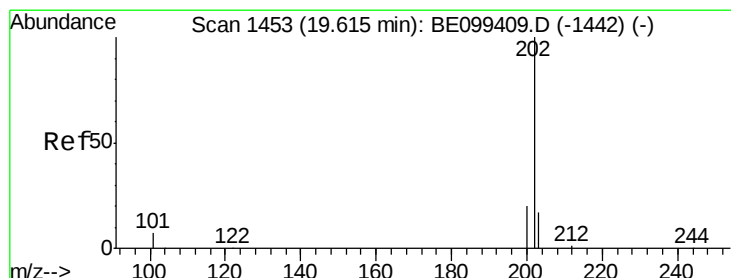
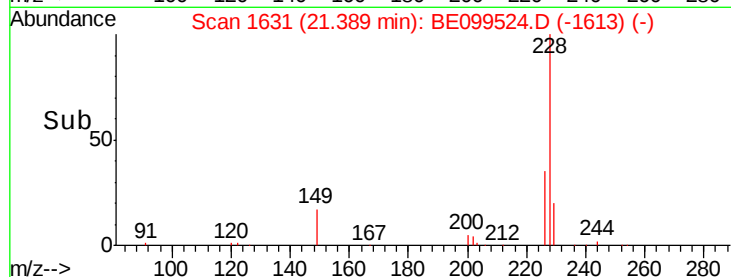
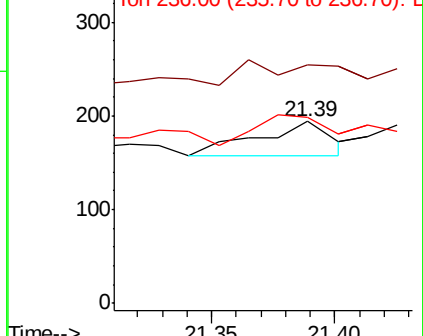
236 102.6 22.0 33.0#



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 300.416 ng

RT: 19.62 min Scan# 1453

Delta R.T. 0.00 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

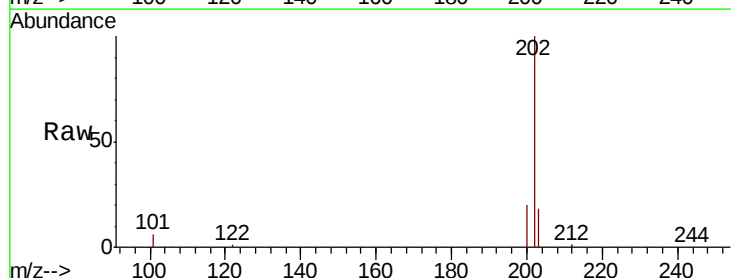
Tgt Ion:202 Resp: 60298

Ion Ratio Lower Upper

202 100

200 19.7 15.7 23.5

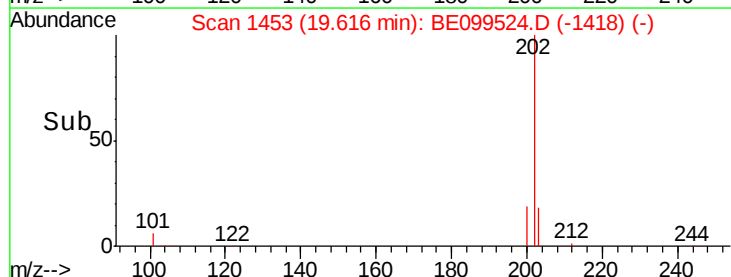
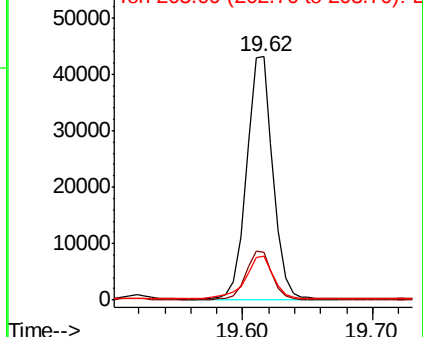
203 19.3 13.9 20.9

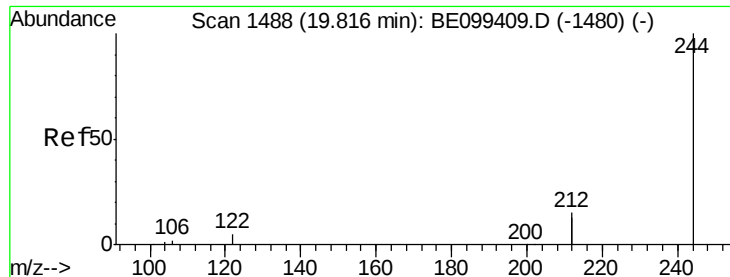


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 129.902 ng

RT: 19.82 min Scan# 1488

Delta R.T. 0.00 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

Instrument :

BNA_E

ClientSampleId :

PST-001-SW018-042419

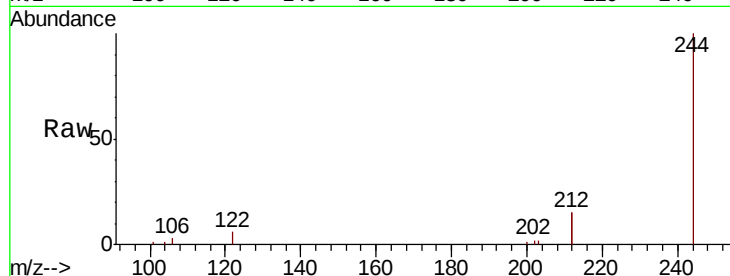
Tot Ion:244 Resp: 18318

Ion Ratio Lower Upper

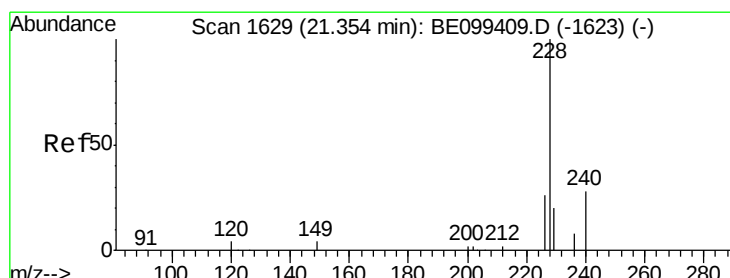
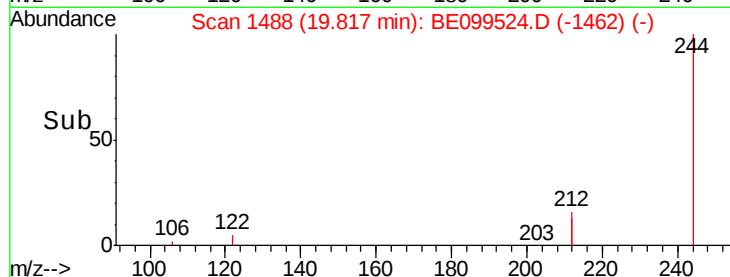
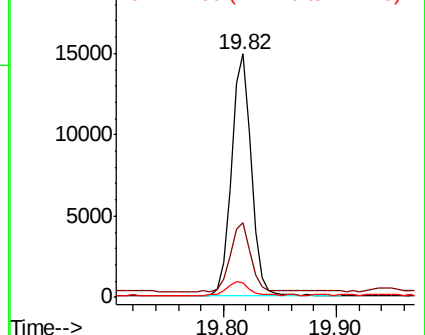
244 100

212 30.8 23.2 34.8

122 5.7 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: 117.905 ng

RT: 21.40 min Scan# 1632

Delta R.T. 0.05 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

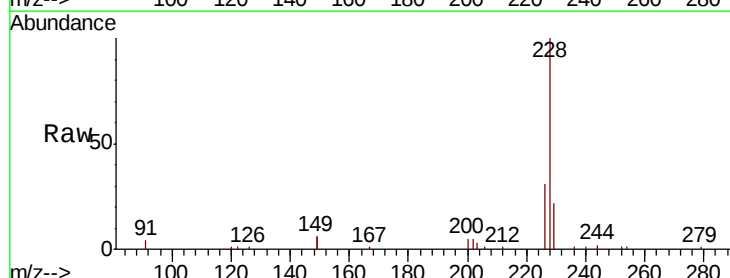
Tgt Ion:228 Resp: 28926

Ion Ratio Lower Upper

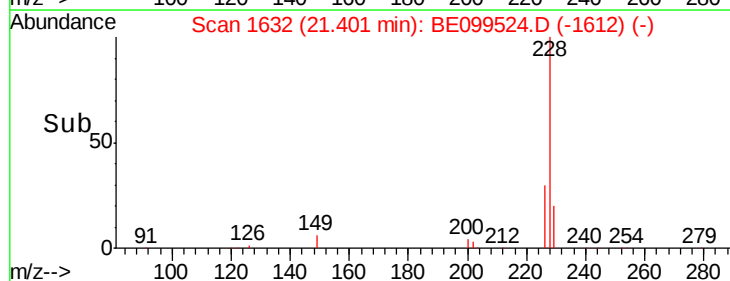
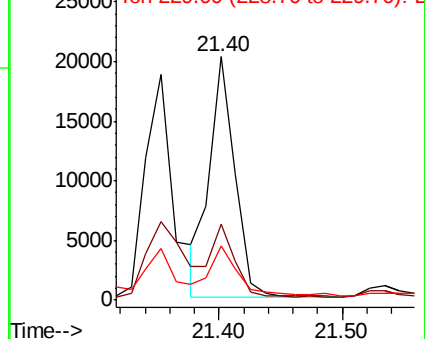
228 100

226 31.0 21.0 31.6

229 22.3 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: 119.826 ng

RT: 21.40 min Scan# 1632

Delta R.T. -0.00 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

Instrument :

BNA_E

ClientSampleId :

PST-001-SW018-042419

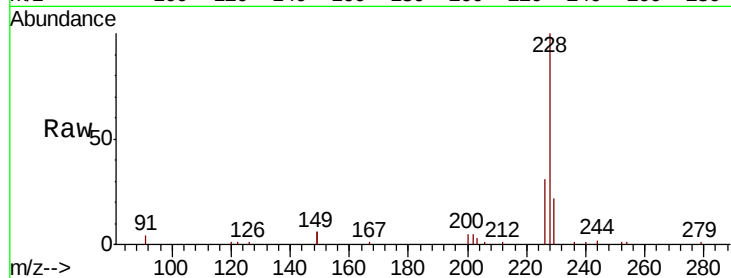
Tot Ion:228 Resp: 28767

Ion Ratio Lower Upper

228 100

226 31.0 24.0 36.0

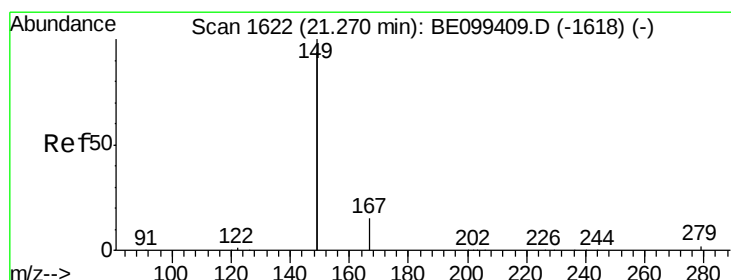
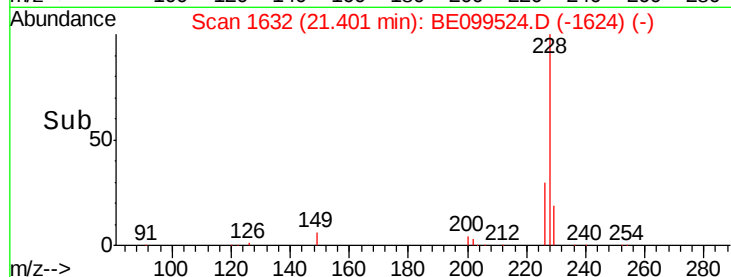
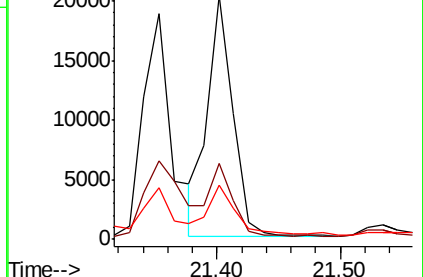
229 22.3 15.8 23.8



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: 53.862 ng

RT: 21.27 min Scan# 1621

Delta R.T. -0.00 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

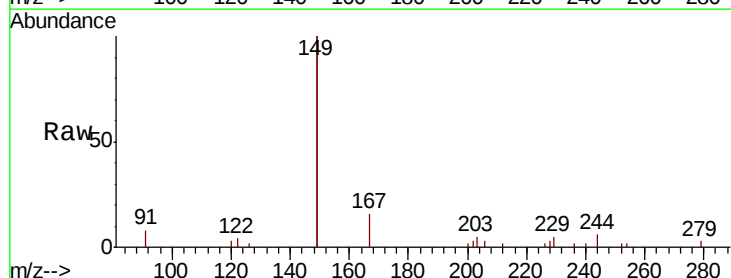
Tgt Ion:149 Resp: 18661

Ion Ratio Lower Upper

149 100

167 7.7 5.8 8.6

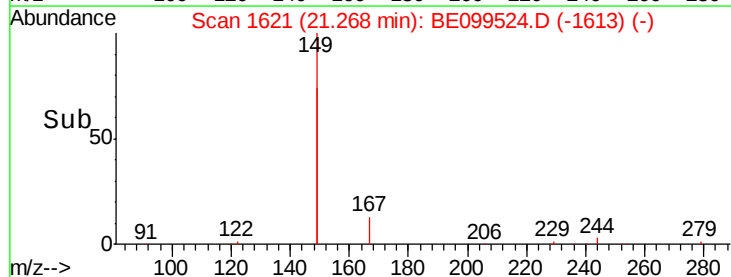
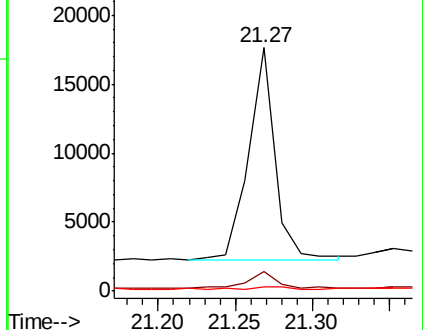
279 1.2 1.0 1.6

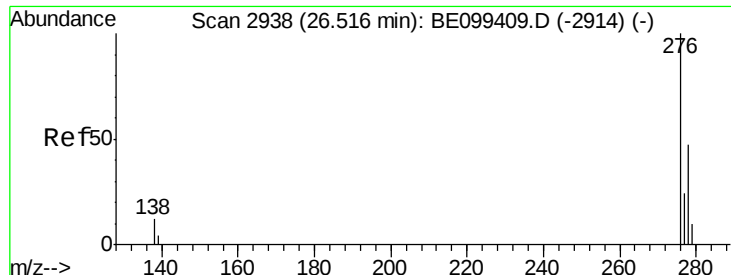


Abundance Ion 149.00 (148.70 to 149.70): E

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: 73.652 ng

RT: 26.52 min Scan# 2937

Delta R.T. 0.00 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

Instrument :

BNA_E

ClientSampleId :

PST-001-SW018-042419

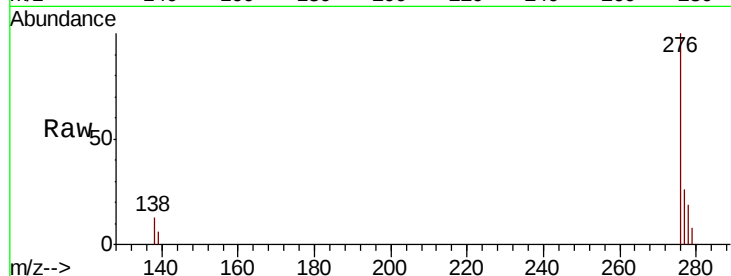
Tot Ion:276 Resp: 20898

Ion Ratio Lower Upper

276 100

138 11.3 10.2 15.2

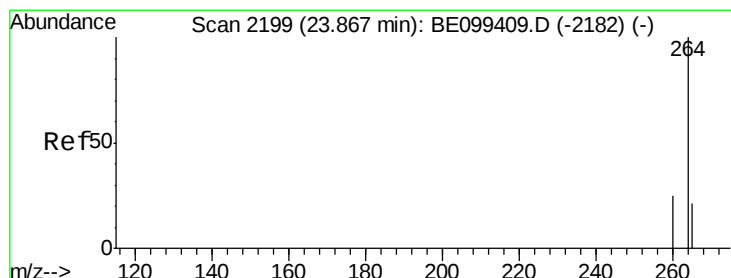
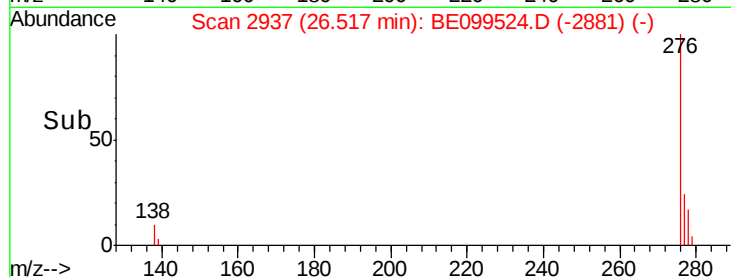
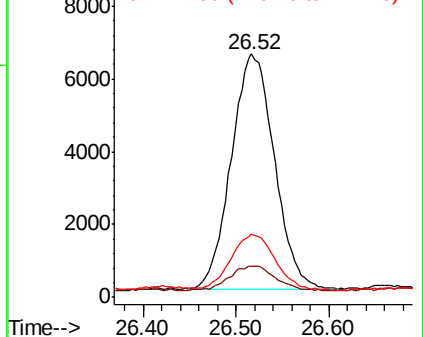
277 25.2 19.2 28.8



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: 23.88 min Scan# 2202

Delta R.T. 0.01 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

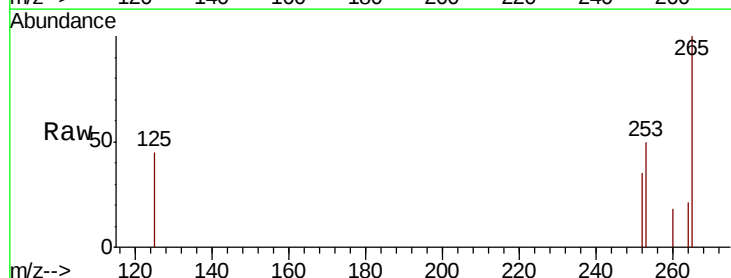
Tgt Ion:264 Resp: 37

Ion Ratio Lower Upper

264 100

260 85.9 20.2 30.2#

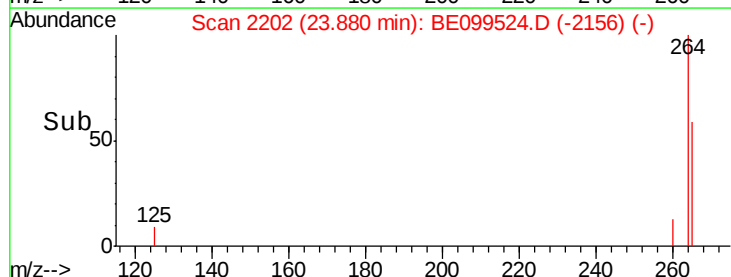
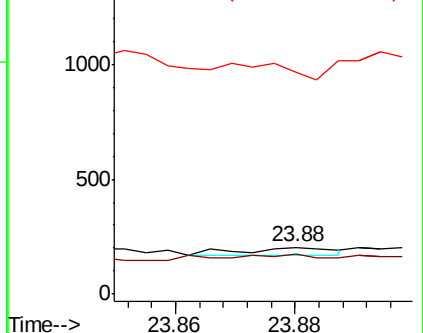
265 470.7 21.3 31.9#



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

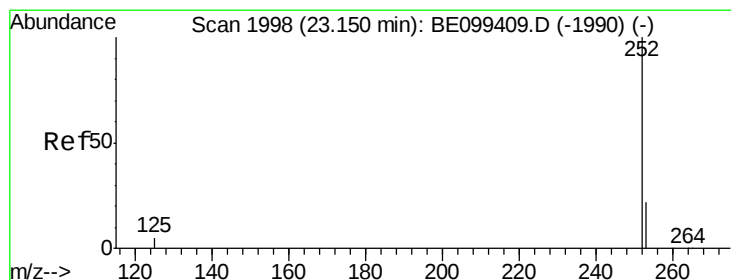
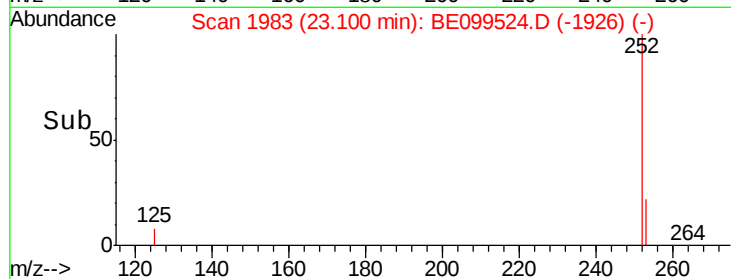
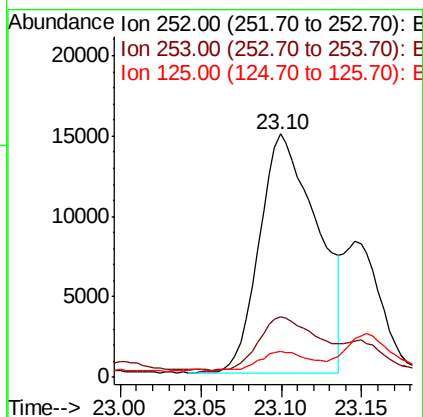
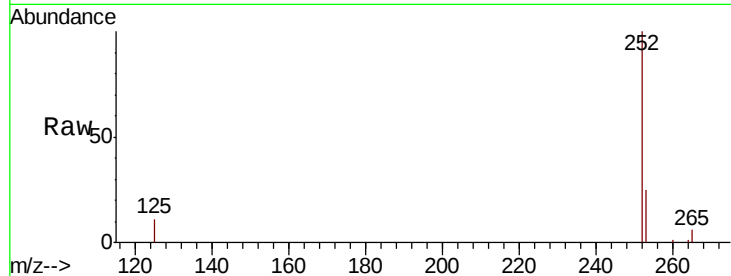




#35
Benzo(b)fluoranthene
Concen: 348.356 ng
RT: 23.10 min Scan# 1983
Delta R.T. 0.00 min
Lab File: BE099524.D
Acq: 3 May 2019 10:19

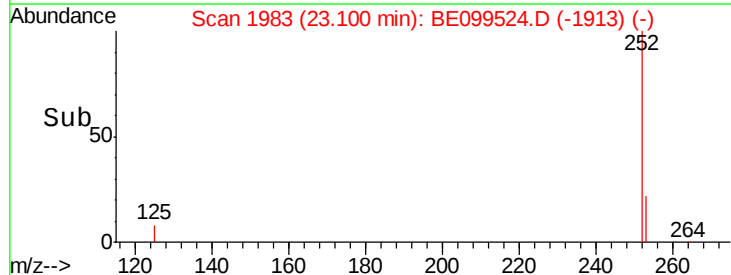
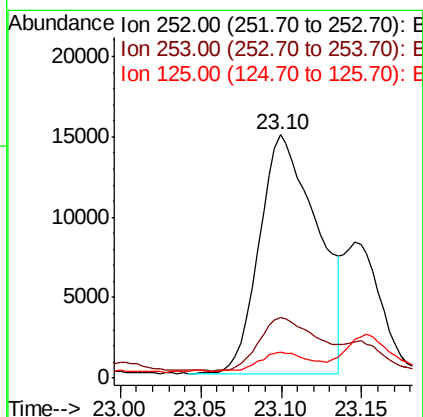
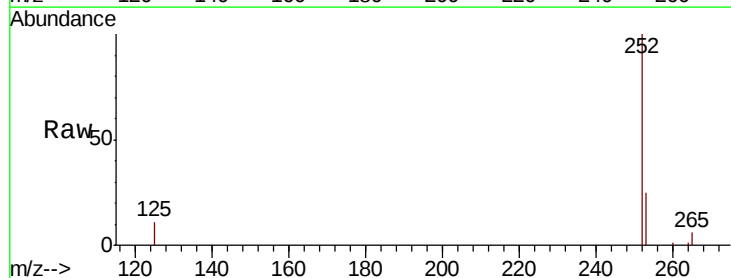
Instrument :
BNA_E
ClientSampleId :
PST-001-SW018-042419

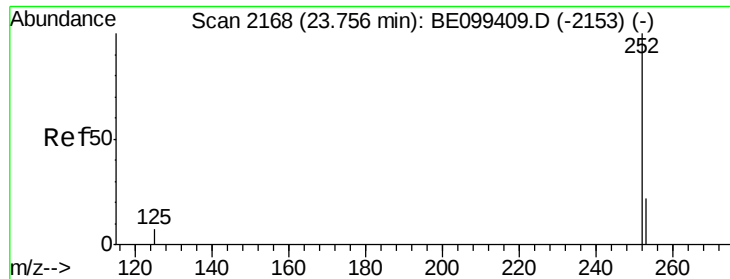
Tot Ion:252 Resp: 37166
Ion Ratio Lower Upper
252 100
253 24.9 18.1 27.1
125 10.6 5.6 8.4#



#36
Benzo(k)fluoranthene
Concen: 361.262 ng
RT: 23.10 min Scan# 1983
Delta R.T. -0.05 min
Lab File: BE099524.D
Acq: 3 May 2019 10:19

Tgt Ion:252 Resp: 37166
Ion Ratio Lower Upper
252 100
253 24.9 18.4 27.6
125 10.6 5.0 7.4#





#37

Benzo(a)pyrene

Concen: 257.805 ng

RT: 23.76 min Scan# 2167

Delta R.T. -0.00 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

Instrument :

BNA_E

ClientSampleId :

PST-001-SW018-042419

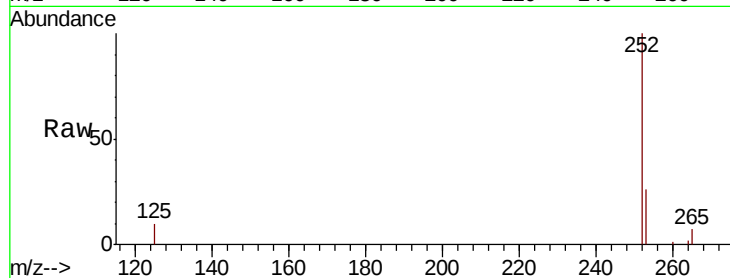
Tot Ion:252 Resp: 26003

Ion Ratio Lower Upper

252 100

253 26.2 18.9 28.3

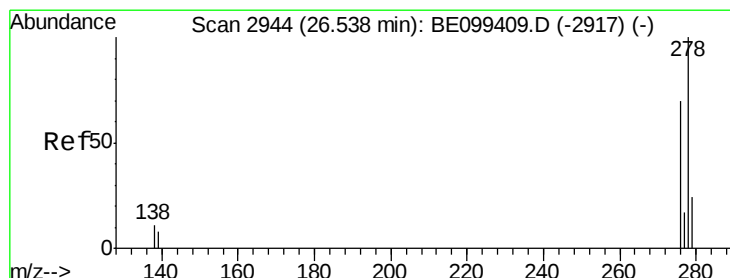
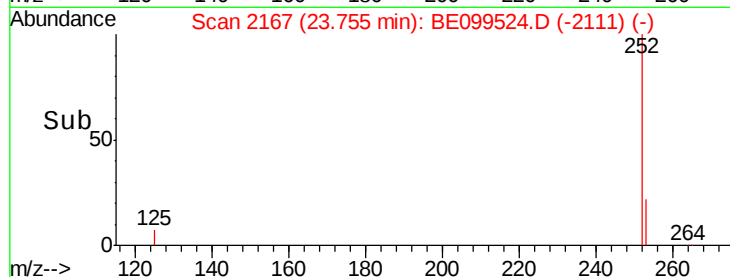
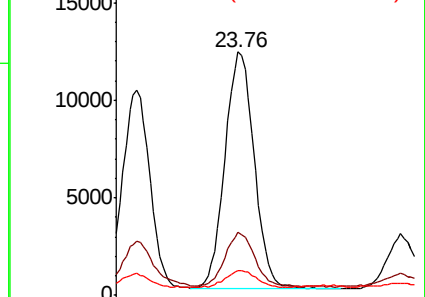
125 10.0 6.7 10.1



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: 48.897 ng

RT: 26.53 min Scan# 2941

Delta R.T. -0.01 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

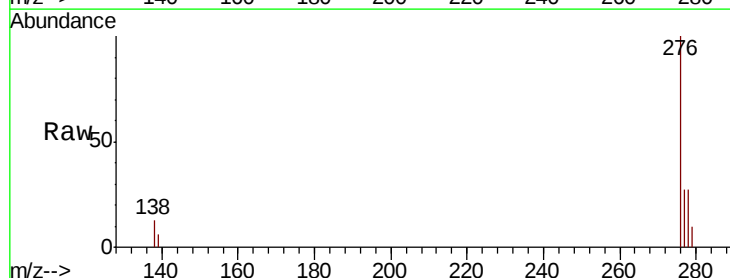
Tgt Ion:278 Resp: 5045

Ion Ratio Lower Upper

278 100

139 23.8 7.7 11.5#

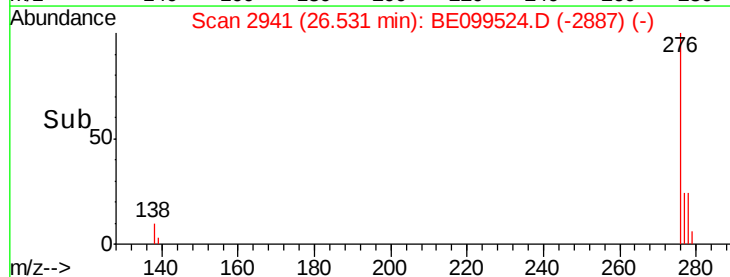
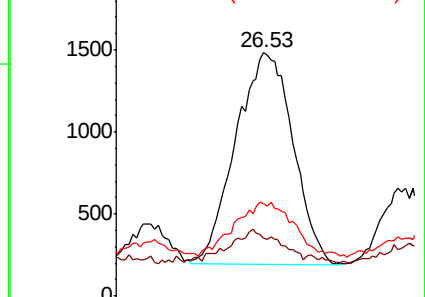
279 38.1 20.2 30.2#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 216.434 ng

RT: 27.34 min Scan# 3169

Delta R.T. 0.01 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

Instrument :

BNA_E

ClientSampleId :

PST-001-SW018-042419

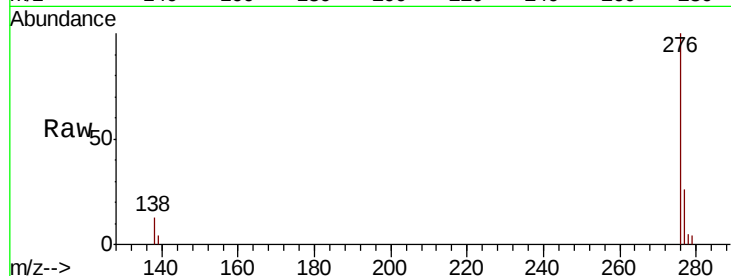
Tot Ion:276 Resp: 22373

Ion Ratio Lower Upper

276 100

277 26.3 19.5 29.3

138 13.5 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

