

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050219\
 Data File : BE099493.D
 Acq On : 2 May 2019 15:06
 Operator : JU/SJ
 Sample : K2589-15MS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B186-042419MS

Quant Time: May 03 02:09:34 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	2003	0.40	ng	-0.01
7) Naphthalene-d8	10.60	136	6668	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	4782	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	14792	0.40	ng	0.00
27) Chrysene-d12	21.37	240	23141	0.40	ng	0.00
34) Perylene-d12	23.87	264	27579	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.38	112	1488	0.27	ng	0.00
5) Phenol-d6	6.96	99	2067	0.28	ng	-0.01
8) Nitrobenzene-d5	8.96	82	1713	0.27	ng	0.00
11) 2-Methylnaphthalene-d10	12.20	152	3551	0.30	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1063	0.35	ng	0.00
15) 2-Fluorobiphenyl	13.07	172	4334	0.24	ng	-0.01
25) Fluoranthene-d10	19.22	212	52681	0.26	ng	0.00
29) Terphenyl-d14	19.82	244	11322	0.27	ng	0.00

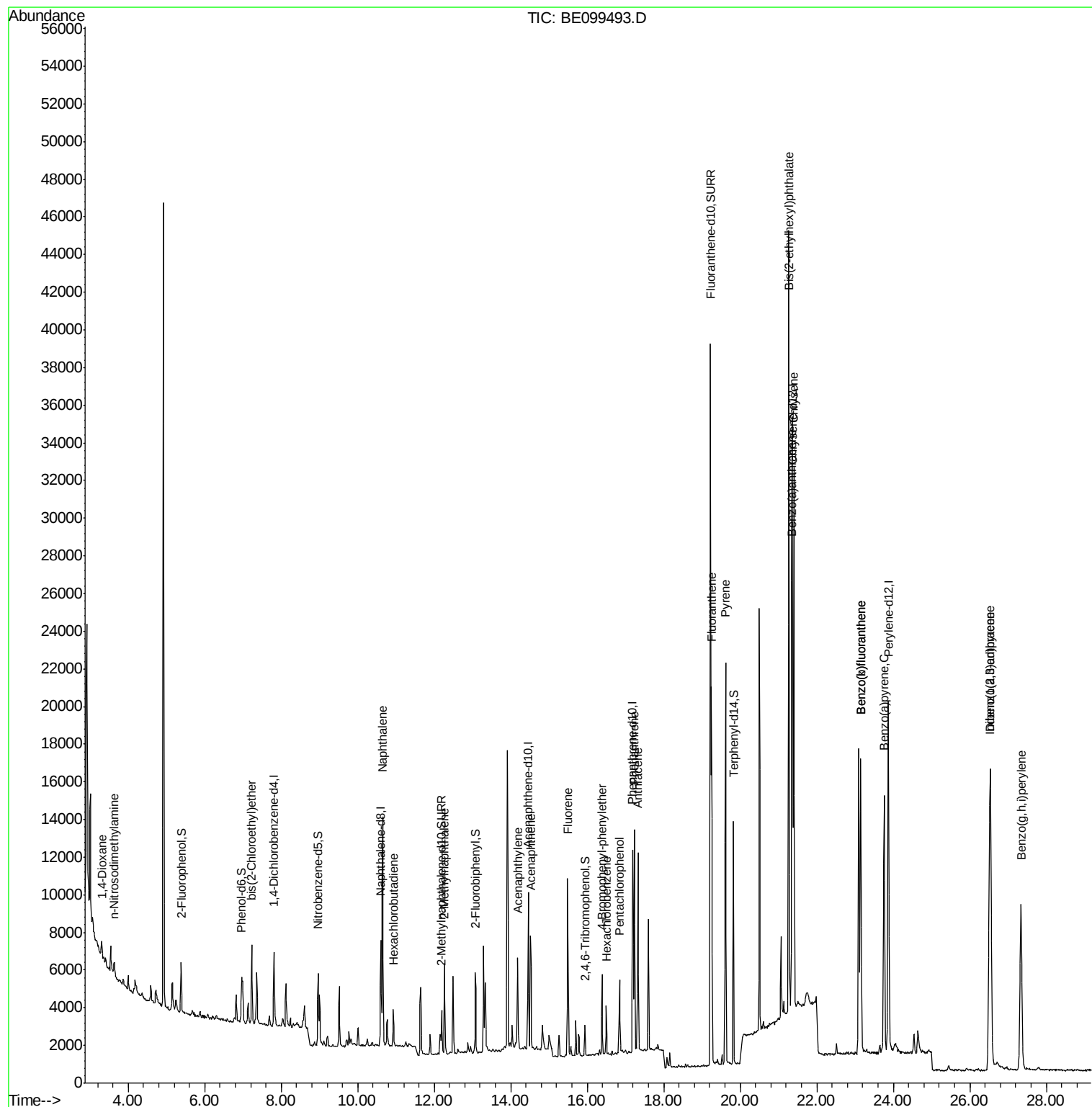
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.31	88	580	0.210	ng	# 32
3) n-Nitrosodimethylamine	3.62	42	433	0.261	ng	# 85
6) bis(2-Chloroethyl)ether	7.23	93	1581	0.249	ng	95
9) Naphthalene	10.65	128	19693	0.271	ng	99
10) Hexachlorobutadiene	10.93	225	1322	0.262	ng	98
12) 2-Methylnaphthalene	12.27	142	3355	0.266	ng	97
16) Acenaphthylene	14.18	152	6262	0.268	ng	97
17) Acenaphthene	14.51	154	3341	0.250	ng	100
18) Fluorene	15.49	166	5357	0.272	ng	98
20) 4-Bromophenyl-phenylether	16.39	248	2155	0.250	ng	93
21) Hexachlorobenzene	16.49	284	2042	0.249	ng	98
22) Pentachlorophenol	16.84	266	2154	0.652	ng	96
23) Phenanthrene	17.23	178	12360	0.324	ng	99
24) Anthracene	17.32	178	10518	0.289	ng	100
26) Fluoranthene	19.25	202	19095	0.334	ng	100
28) Pyrene	19.62	202	20372	0.338	ng	99
30) Benzo(a)anthracene	21.34	228	23762	0.322	ng	96
31) Chrysene	21.40	228	23398	0.324	ng	99
32) Bis(2-ethylhexyl)phthalate	21.27	149	45997	0.371	ng	99
33) Indeno(1,2,3-cd)pyrene	26.52	276	27332	0.321	ng	99
35) Benzo(b)fluoranthene	23.15	252	23326	0.293	ng	99
36) Benzo(k)fluoranthene	23.15	252	23326	0.304	ng	# 99
37) Benzo(a)pyrene	23.76	252	22699	0.302	ng	# 96
38) Dibenzo(a,h)anthracene	26.54	278	22663	0.295	ng	98
39) Benzo(g,h,i)perylene	27.34	276	23528	0.305	ng	98

(#) = 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: BE099493.D

Acq: 2 May 2019 15:06

Instrument :

BNA_E

ClientSampleId :

PST-001-B186-042419MS

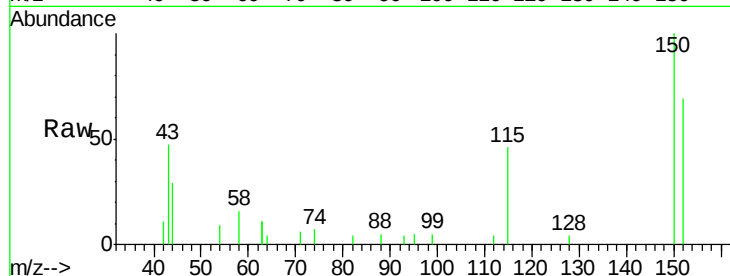
Tot Ion:152 Resp: 2003

Ion Ratio Lower Upper

152 100

150 145.7 104.8 157.2

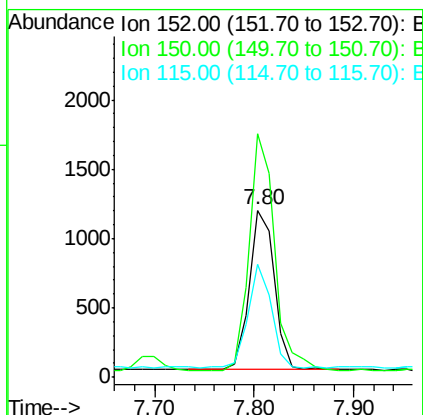
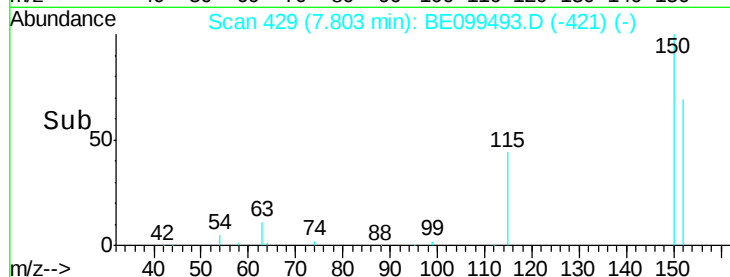
115 67.7 46.6 69.8



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: 0.210 ng

RT: 3.31 min Scan# 39

Delta R.T. -0.00 min

Lab File: BE099493.D

Acq: 2 May 2019 15:06

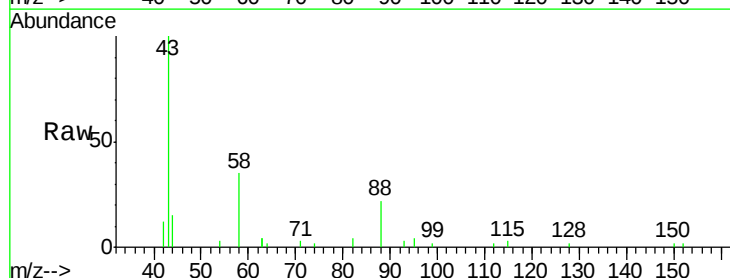
Tgt Ion: 88 Resp: 580

Ion Ratio Lower Upper

88 100

58 66.7 51.0 76.6

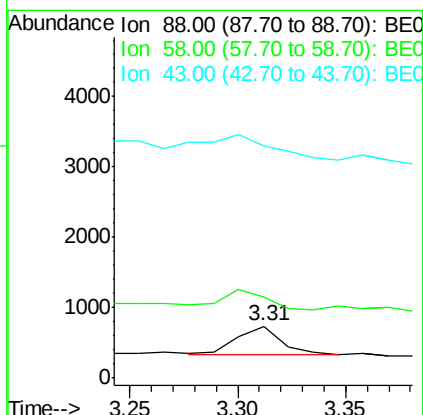
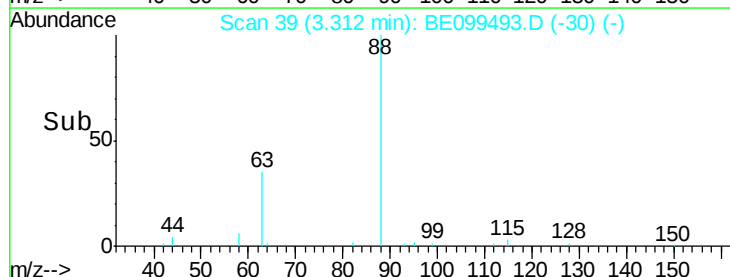
43 141.0 20.6 30.8#



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: 0.261 ng

RT: 3.62 min Scan# 66

Delta R.T. -0.02 min

Lab File: BE099493.D

Acq: 2 May 2019 15:06

Instrument :

BNA_E

ClientSampleId :

PST-001-B186-042419MS

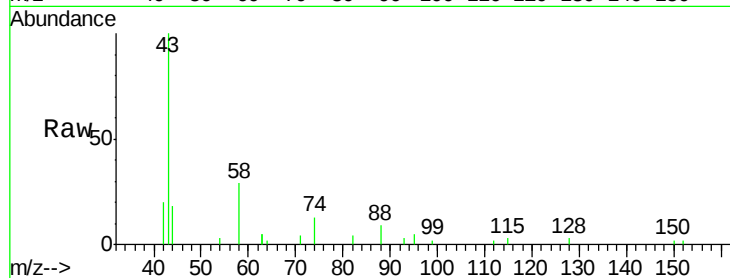
Tot Ion: 42 Resp: 433

Ion Ratio Lower Upper

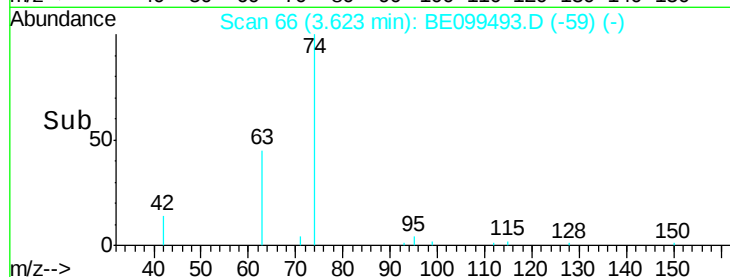
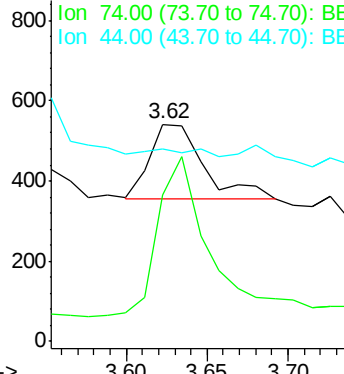
42 100

74 198.6 141.6 212.4

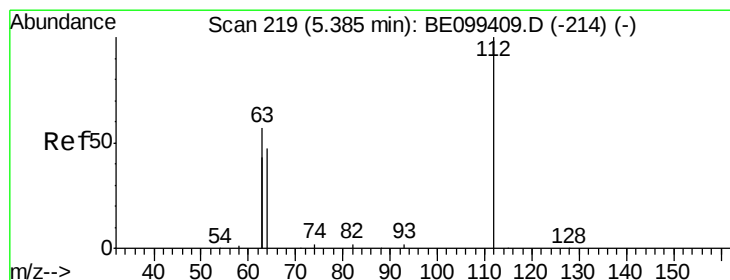
44 0.0 0.0 0.0



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



Time-->



#4

2-Fluorophenol

Concen: 0.269 ng

RT: 5.38 min Scan# 219

Delta R.T. -0.00 min

Lab File: BE099493.D

Acq: 2 May 2019 15:06

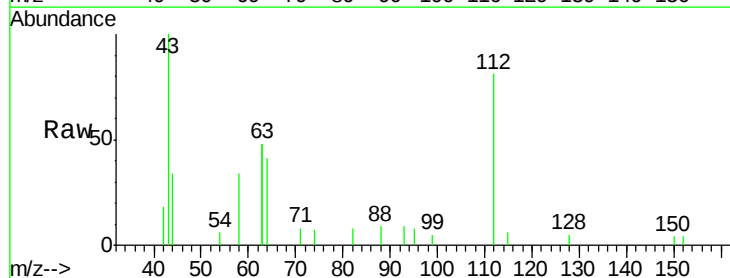
Tgt Ion: 112 Resp: 1488

Ion Ratio Lower Upper

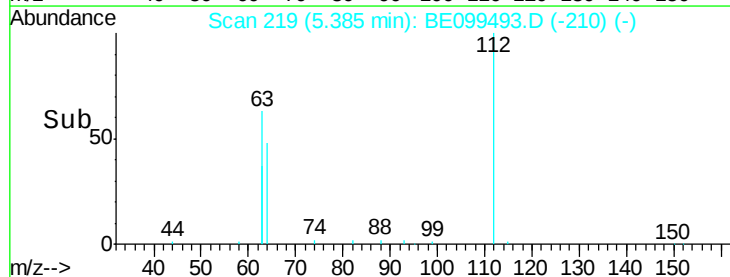
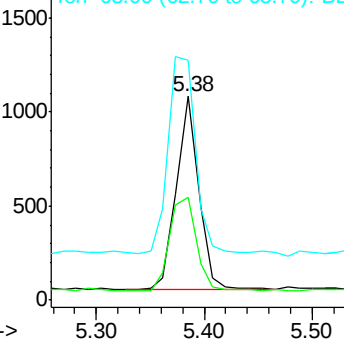
112 100

64 57.6 47.4 71.0

63 122.4 104.3 156.5



Abundance Ion 112.00 (111.70 to 112.70): BE0
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.281 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099493.D

Acq: 2 May 2019 15:06

Instrument :

BNA_E

ClientSampleId :

PST-001-B186-042419MS

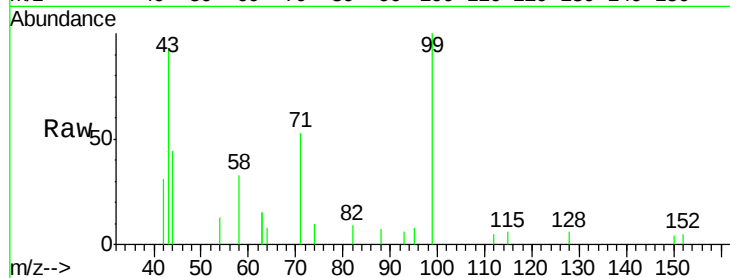
Tot Ion: 99 Resp: 2067

Ion Ratio Lower Upper

99 100

42 19.8 14.9 22.3

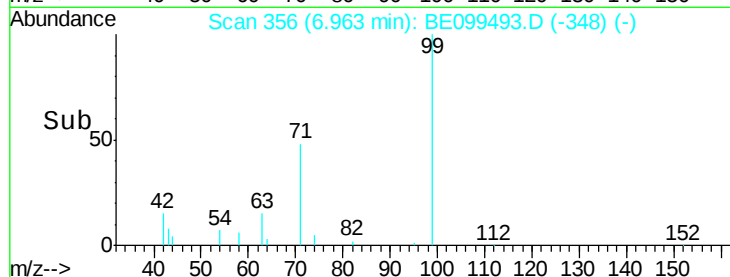
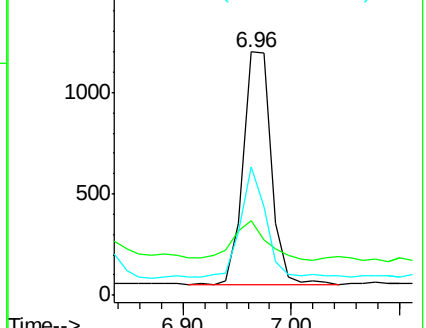
71 40.7 33.0 49.6



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: 0.249 ng

RT: 7.23 min Scan# 379

Delta R.T. -0.01 min

Lab File: BE099493.D

Acq: 2 May 2019 15:06

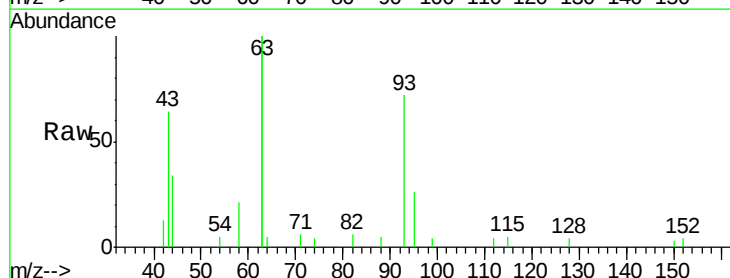
Tgt Ion: 93 Resp: 1581

Ion Ratio Lower Upper

93 100

63 261.4 215.6 323.4

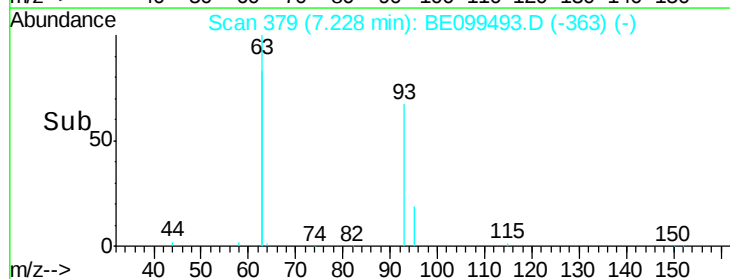
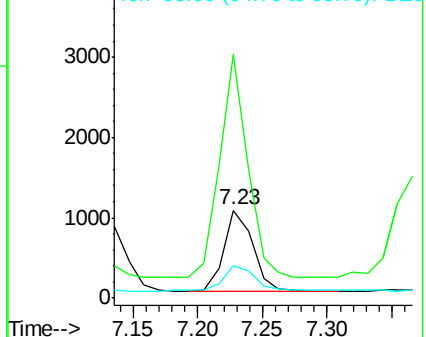
95 36.1 26.2 39.2

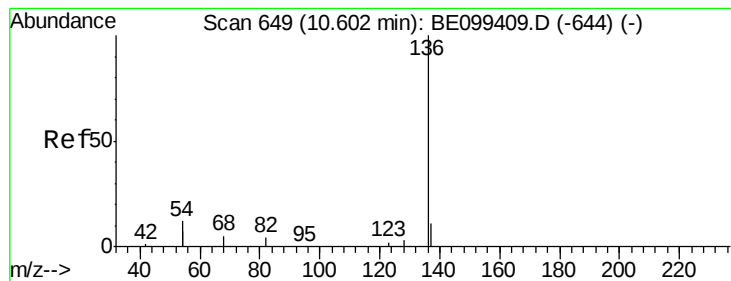


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE099493.D

Acq: 2 May 2019 15:06

Instrument :

BNA_E

ClientSampleId :

PST-001-B186-042419MS

Tot Ion:136 Resp: 6668

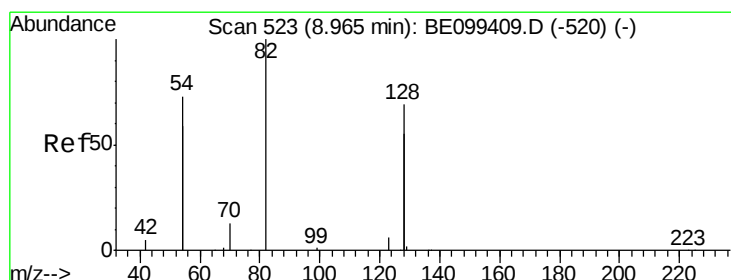
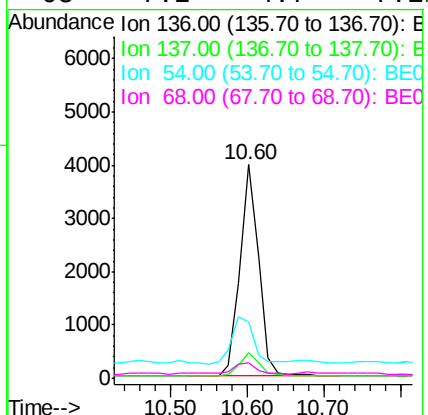
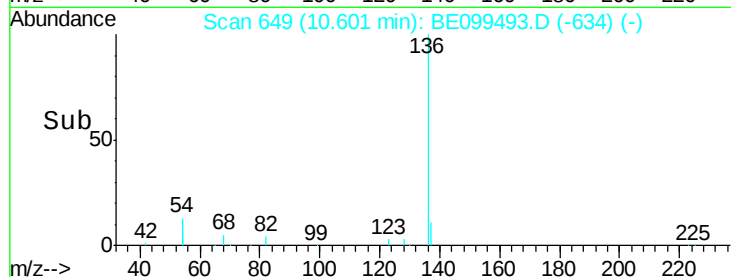
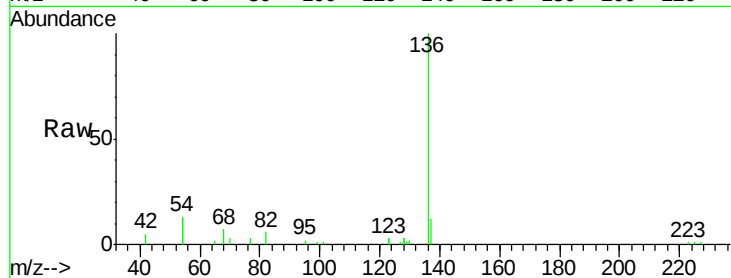
Ion Ratio Lower Upper

136 100

137 12.1 9.8 14.8

54 26.1 18.5 27.7

68 7.2 4.7 7.1#



#8

Nitrobenzene-d5

Concen: 0.274 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099493.D

Acq: 2 May 2019 15:06

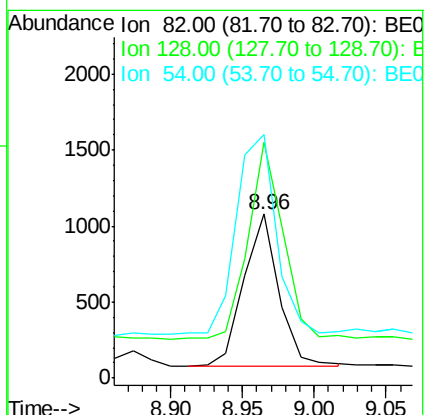
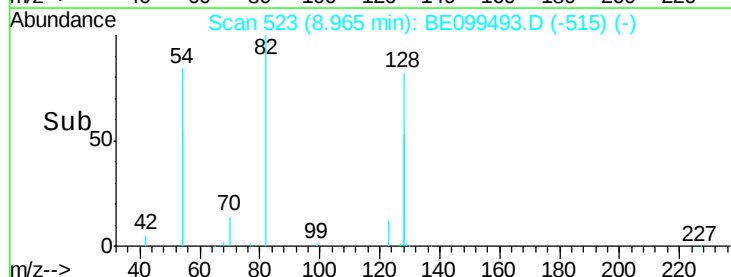
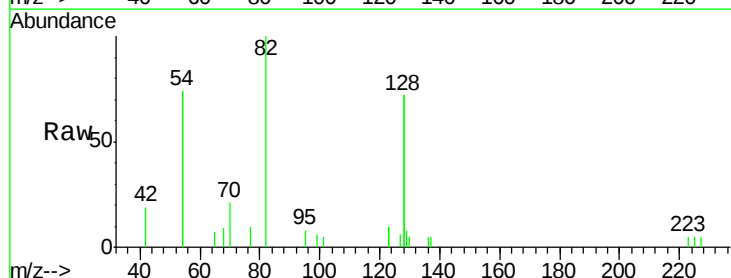
Tgt Ion: 82 Resp: 1713

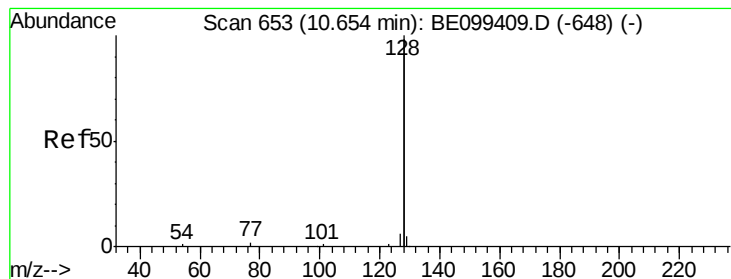
Ion Ratio Lower Upper

82 100

128 144.2 107.0 160.4

54 148.6 113.1 169.7





#9

Naphthalene

Concen: 0.271 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BE099493.D

Acq: 2 May 2019 15:06

Instrument :

BNA_E

ClientSampleId :

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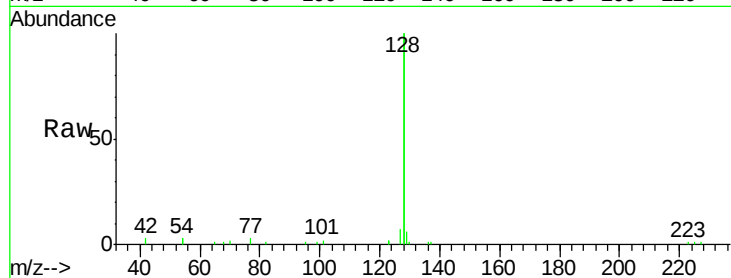
Tot Ion:128 Resp: 19693

Ion Ratio Lower Upper

128 100

129 3.2 2.4 3.6

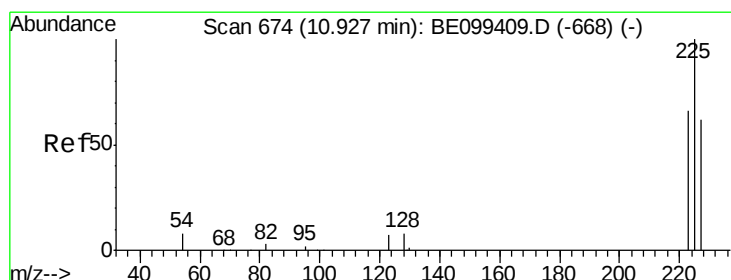
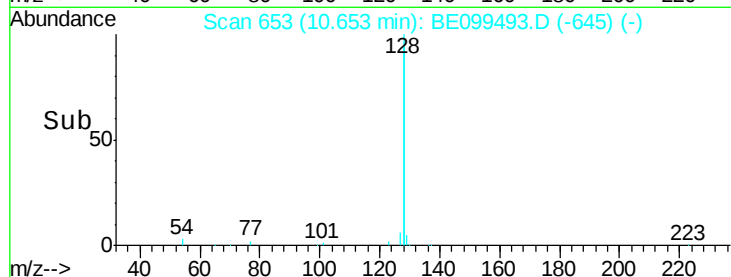
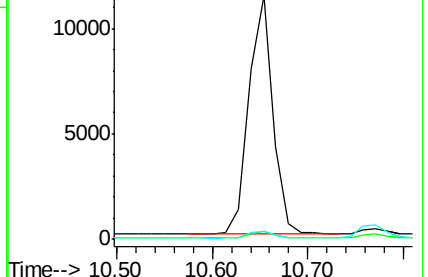
127 3.3 2.8 4.2



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: 0.262 ng

RT: 10.93 min Scan# 674

Delta R.T. -0.00 min

Lab File: BE099493.D

Acq: 2 May 2019 15:06

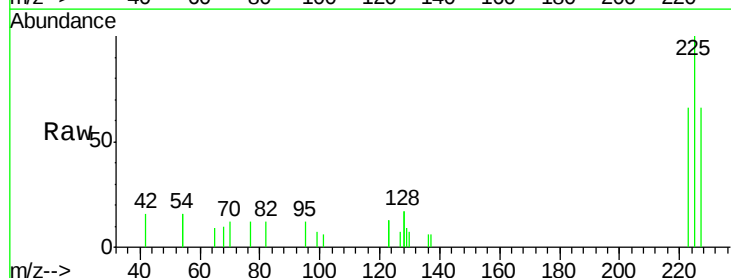
Tgt Ion:225 Resp: 1322

Ion Ratio Lower Upper

225 100

223 61.0 51.0 76.6

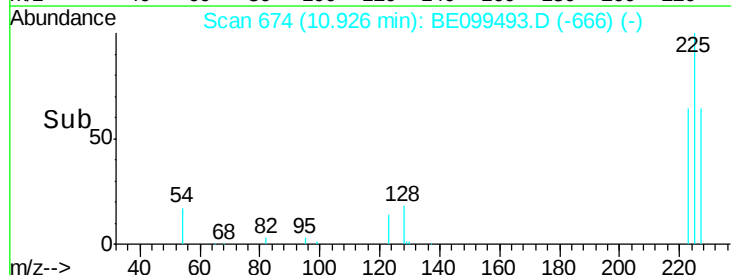
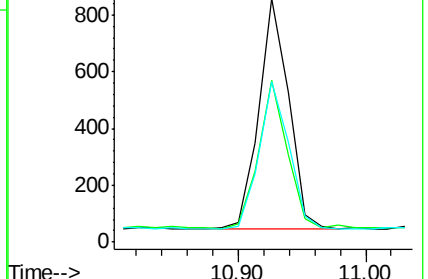
227 63.6 50.9 76.3

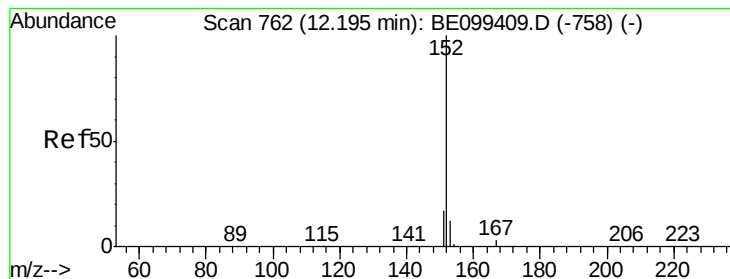


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.296 ng

RT: 12.20 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE099493.D

Acq: 2 May 2019 15:06

Instrument :

BNA_E

ClientSampleId :

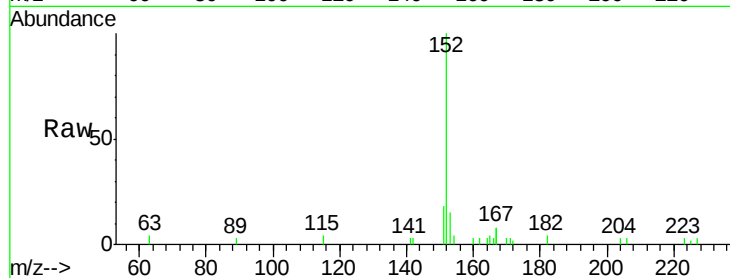
PST-001-B186-042419MS

Tot Ion:152 Resp: 3551

Ion Ratio Lower Upper

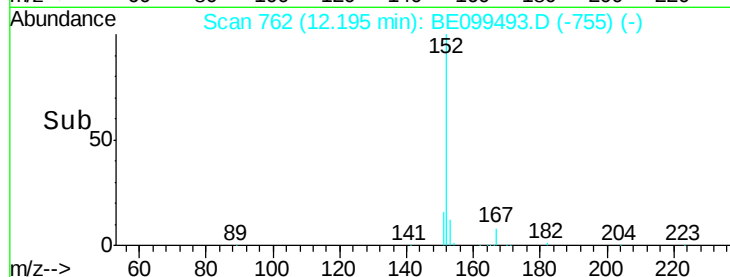
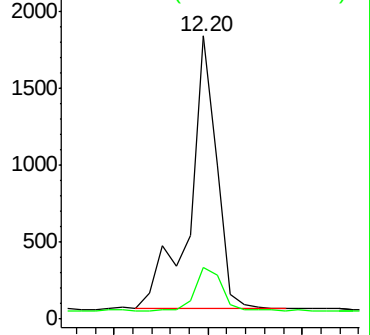
152 100

151 15.5 15.5 23.3#

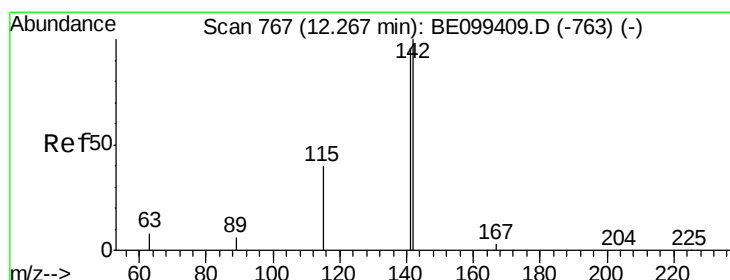


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



Time-->



#12

2-Methylnaphthalene

Concen: 0.266 ng

RT: 12.27 min Scan# 767

Delta R.T. -0.00 min

Lab File: BE099493.D

Acq: 2 May 2019 15:06

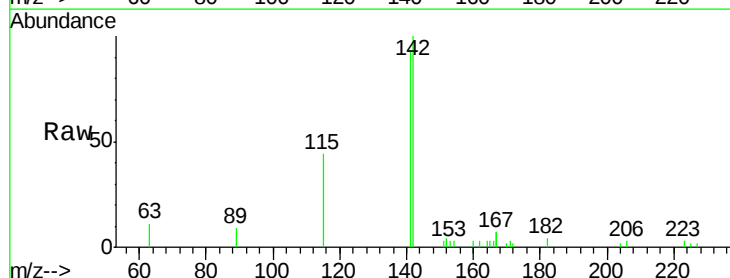
Tgt Ion:142 Resp: 3355

Ion Ratio Lower Upper

142 100

141 93.0 77.0 115.4

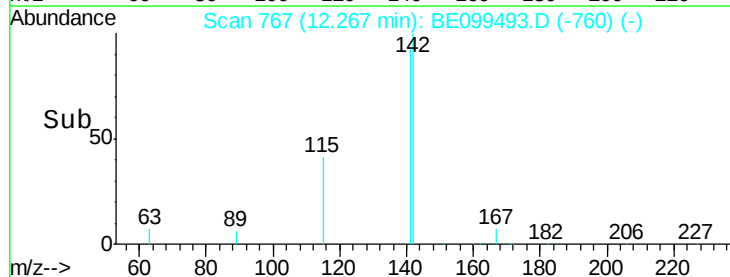
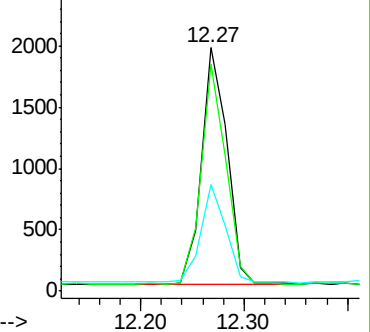
115 44.0 33.4 50.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



Time-->



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.46 min Scan# 919

Delta R.T. -0.00 min

Lab File: BE099493.D

Acq: 2 May 2019 15:06

Instrument :

BNA_E

ClientSampleId :

PST-001-B186-042419MS

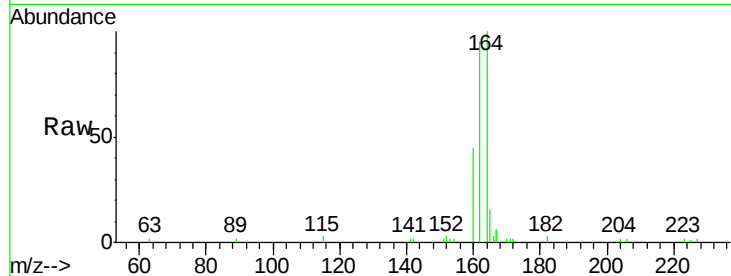
Tot Ion:164 Resp: 4782

Ion Ratio Lower Upper

164 100

162 95.2 79.0 118.4

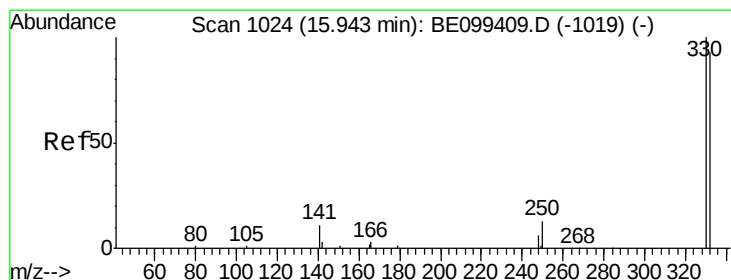
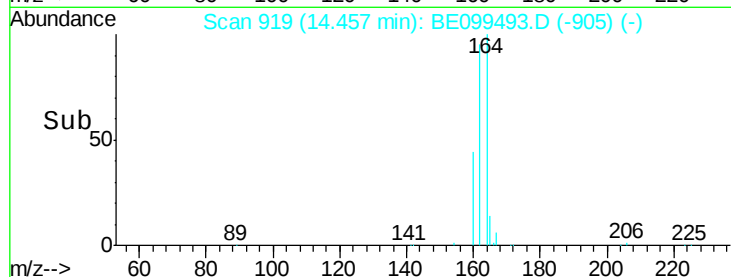
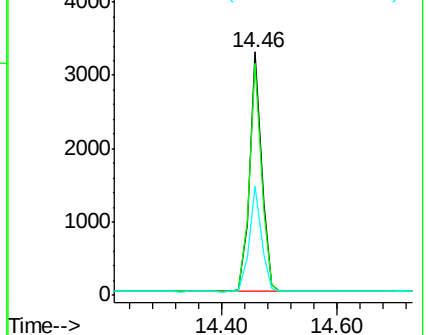
160 44.7 37.0 55.4



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: 0.353 ng

RT: 15.94 min Scan# 1024

Delta R.T. 0.00 min

Lab File: BE099493.D

Acq: 2 May 2019 15:06

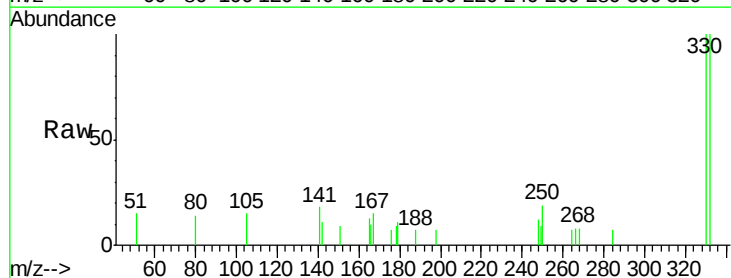
Tgt Ion:330 Resp: 1063

Ion Ratio Lower Upper

330 100

332 96.5 71.5 107.3

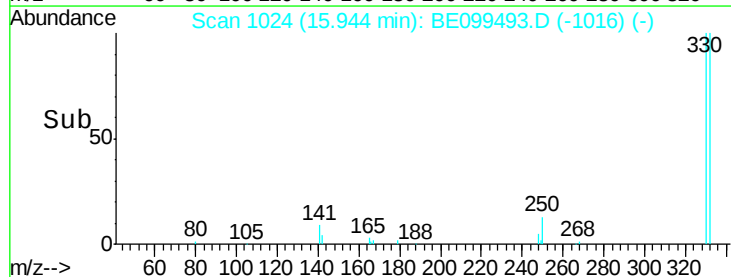
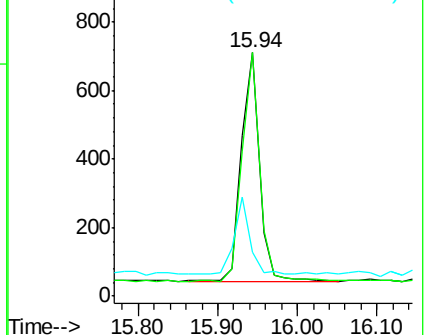
141 29.0 24.0 36.0

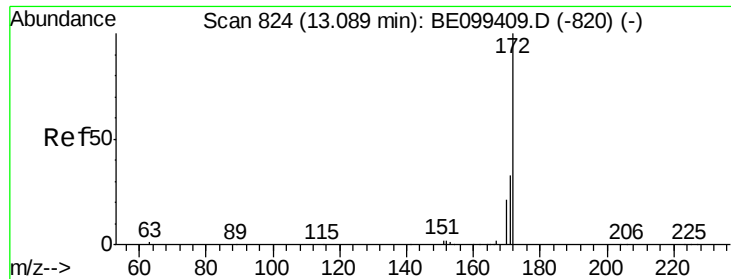


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

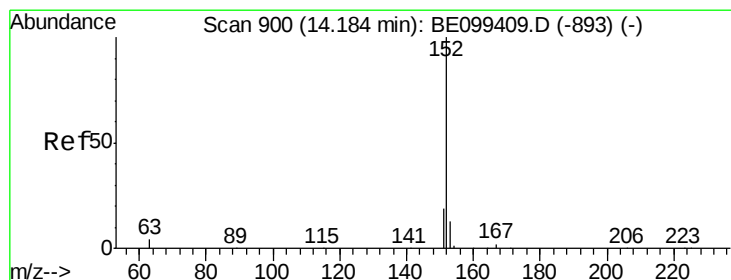
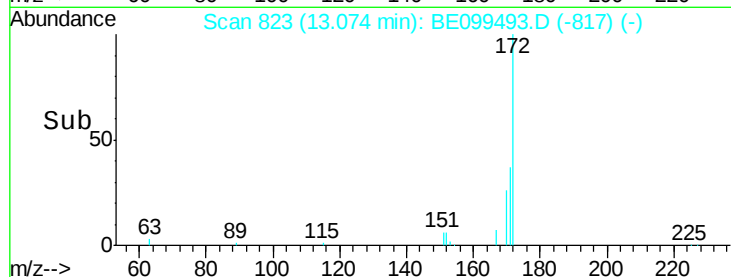
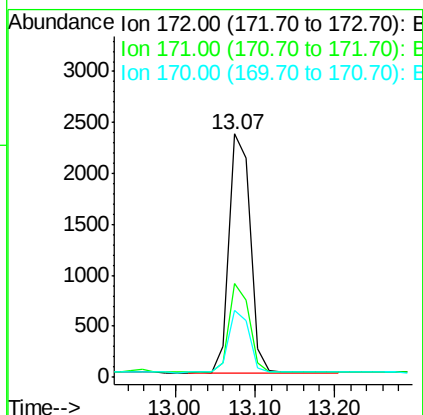
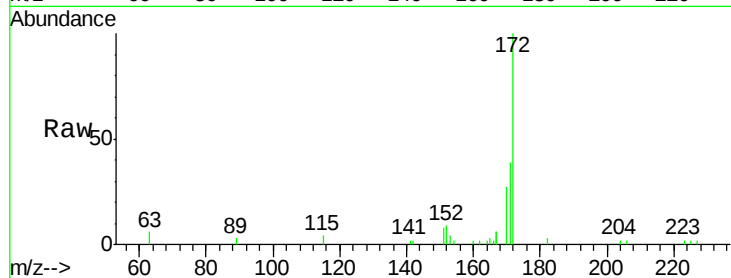




#15
2-Fluorobiphenyl
Concen: 0.238 ng
RT: 13.07 min Scan# 823
Delta R.T. -0.01 min
Lab File: BE099493.D
Acq: 2 May 2019 15:06

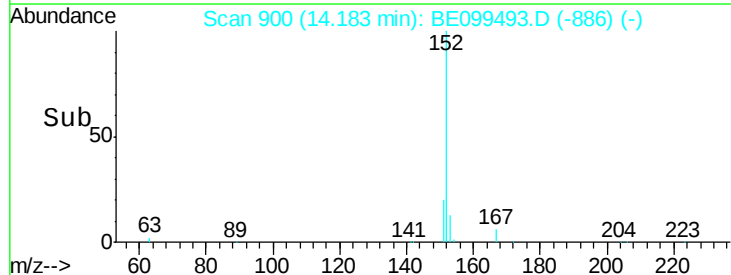
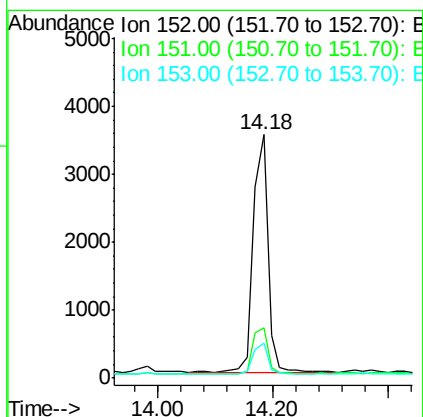
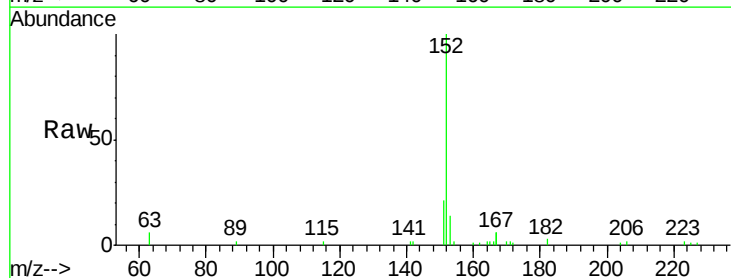
Instrument :
BNA_E
ClientSampleId :
PST-001-B186-042419MS

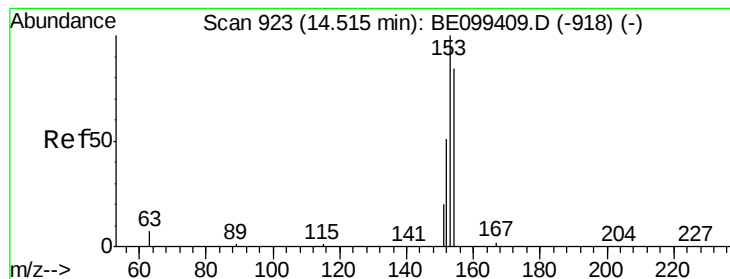
Tot Ion:172 Resp: 4334
Ion Ratio Lower Upper
172 100
171 38.7 26.6 39.8
170 27.2 17.0 25.6#



#16
Acenaphthylene
Concen: 0.268 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE099493.D
Acq: 2 May 2019 15:06

Tgt Ion:152 Resp: 6262
Ion Ratio Lower Upper
152 100
151 20.9 15.4 23.2
153 13.2 9.8 14.6





#17

Acenaphthene

Concen: 0.250 ng

RT: 14.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: BE099493.D

Acq: 2 May 2019 15:06

Instrument :

BNA_E

ClientSampleId :

PST-001-B186-042419MS

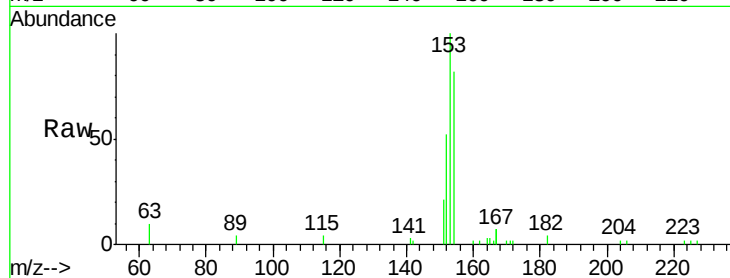
Tot Ion:154 Resp: 3341

Ion Ratio Lower Upper

154 100

153 116.1 92.6 138.8

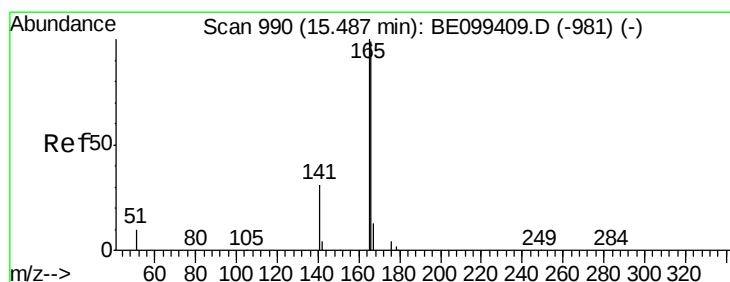
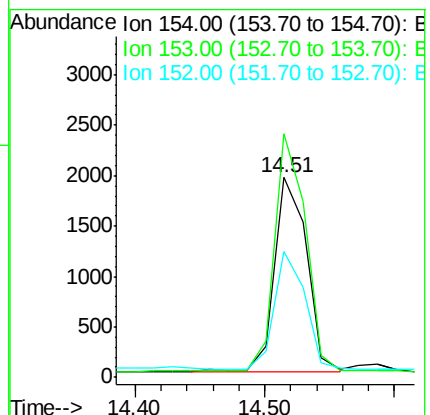
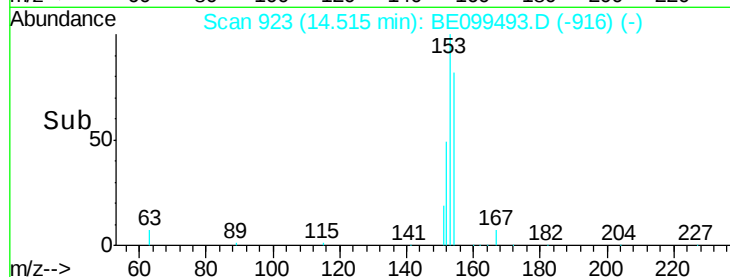
152 57.8 45.8 68.8



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: 0.272 ng

RT: 15.49 min Scan# 990

Delta R.T. 0.00 min

Lab File: BE099493.D

Acq: 2 May 2019 15:06

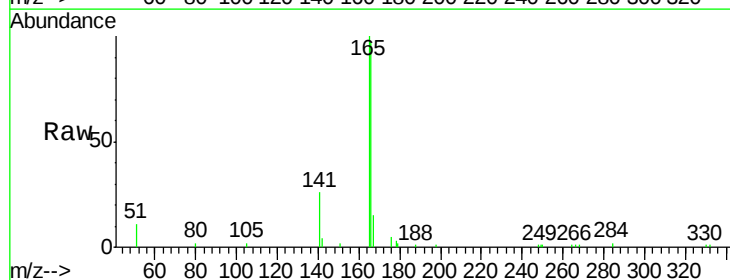
Tgt Ion:166 Resp: 5357

Ion Ratio Lower Upper

166 100

165 102.2 80.3 120.5

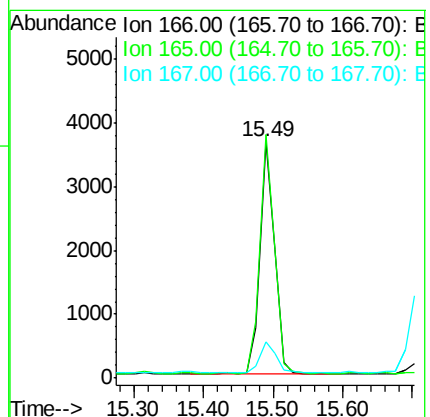
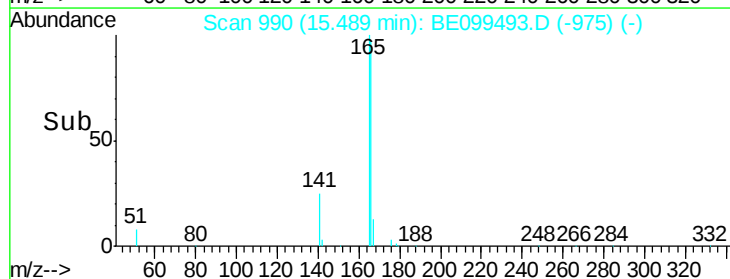
167 14.2 10.7 16.1

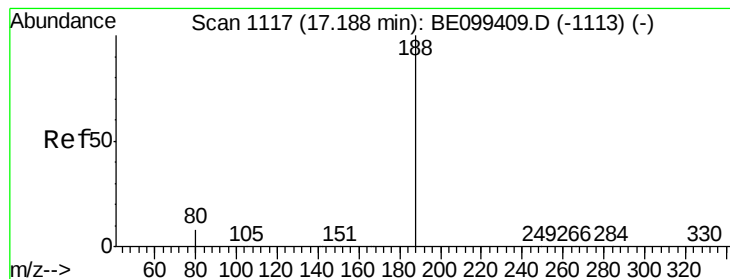


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE099493.D

Acq: 2 May 2019 15:06

Instrument :

BNA_E

ClientSampleId :

PST-001-B186-042419MS

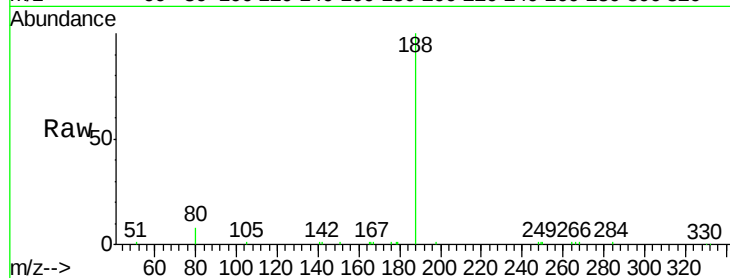
Tot Ion:188 Resp: 14792

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

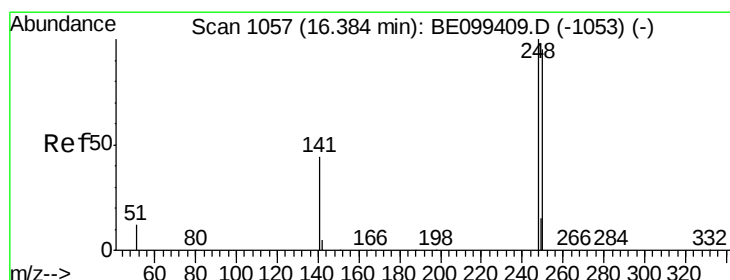
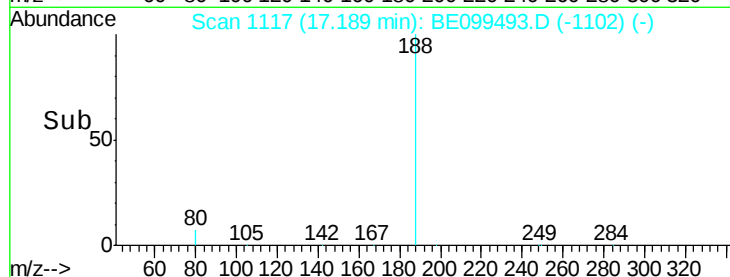
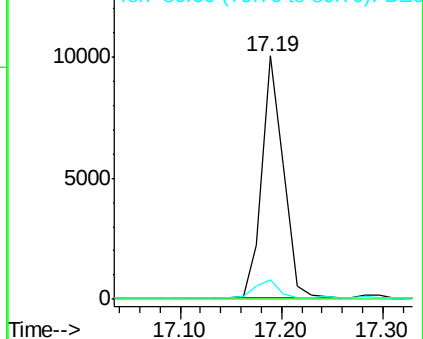
80 7.9 6.7 10.1



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: 0.250 ng

RT: 16.39 min Scan# 1057

Delta R.T. 0.00 min

Lab File: BE099493.D

Acq: 2 May 2019 15:06

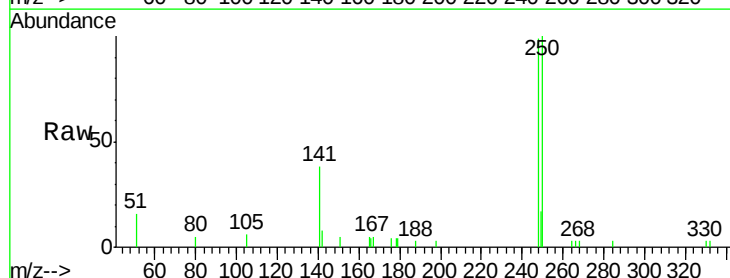
Tgt Ion:248 Resp: 2155

Ion Ratio Lower Upper

248 100

250 101.5 75.8 113.8

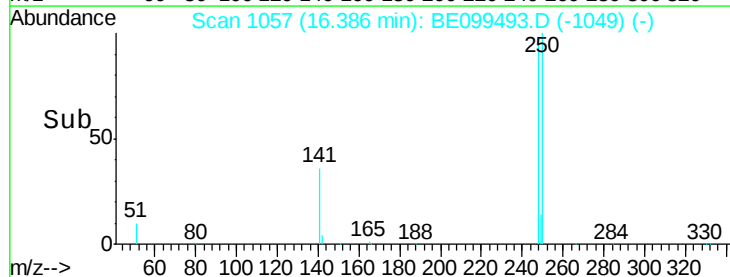
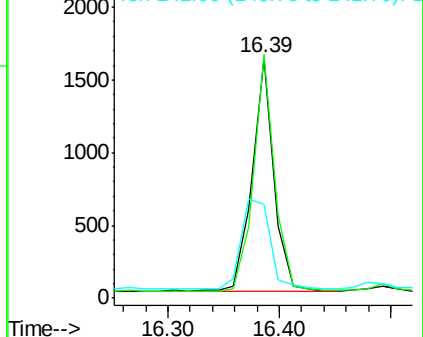
141 39.0 35.7 53.5

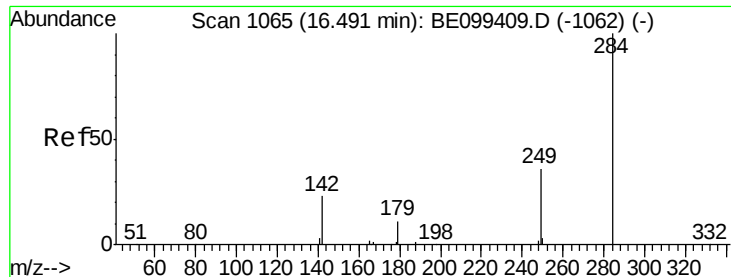


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

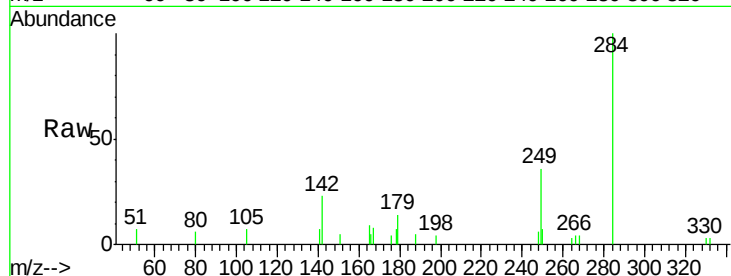




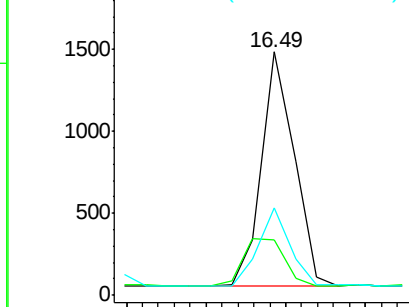
#21
Hexachlorobenzene
Concen: 0.249 ng
RT: 16.49 min Scan# 1065
Delta R.T. 0.00 min
Lab File: BE099493.D
Acq: 2 May 2019 15:06

Instrument :
BNA_E
ClientSampleId :
PST-001-B186-042419MS

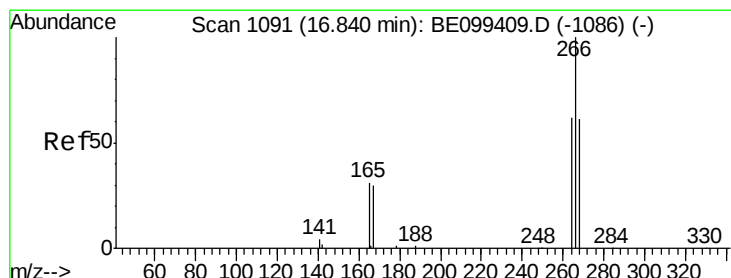
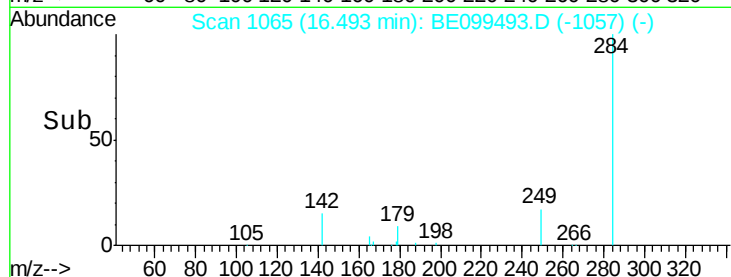
Tot Ion:284 Resp: 2042
Ion Ratio Lower Upper
284 100
142 25.3 21.0 31.6
249 32.1 26.7 40.1



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

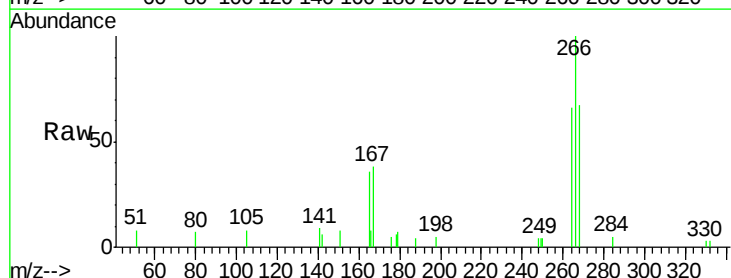


Time-->

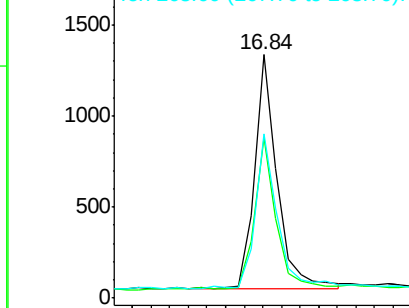


#22
Pentachlorophenol
Concen: 0.652 ng
RT: 16.84 min Scan# 1091
Delta R.T. 0.00 min
Lab File: BE099493.D
Acq: 2 May 2019 15:06

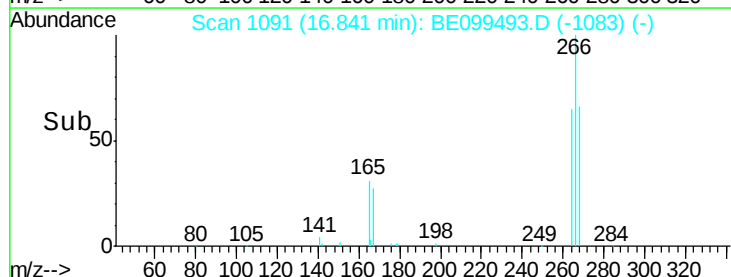
Tgt Ion:266 Resp: 2154
Ion Ratio Lower Upper
266 100
264 65.9 50.8 76.2
268 67.4 50.5 75.7

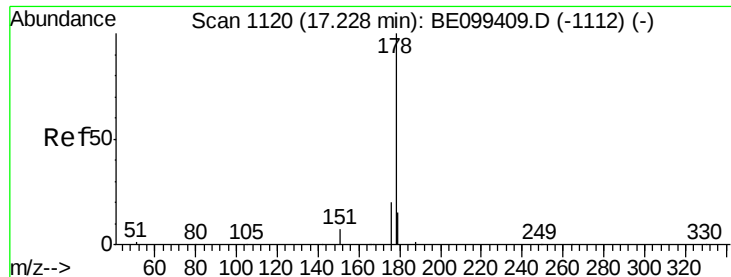


Abundance Ion 266.00 (265.70 to 266.70): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E



Time-->





#23

Phenanthrene

Concen: 0.324 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099493.D

Acq: 2 May 2019 15:06

Instrument :

BNA_E

ClientSampleId :

PST-001-B186-042419MS

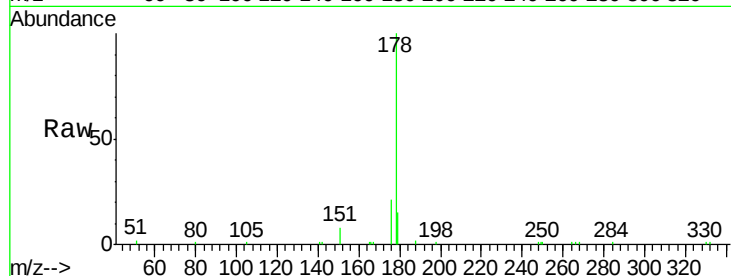
Tot Ion:178 Resp: 12360

Ion Ratio Lower Upper

178 100

176 19.7 15.6 23.4

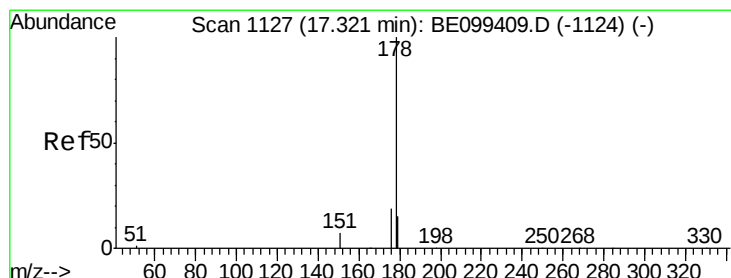
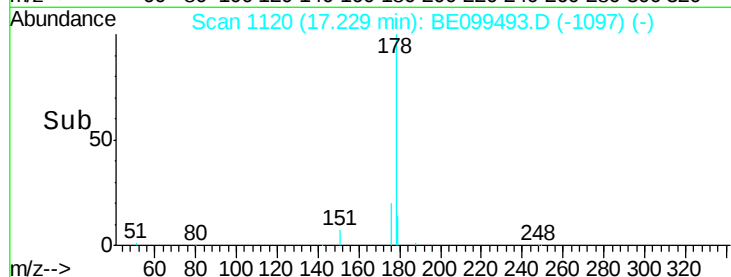
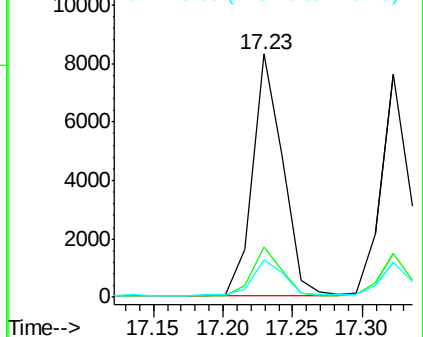
179 15.3 12.0 18.0



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: 0.289 ng

RT: 17.32 min Scan# 1127

Delta R.T. 0.00 min

Lab File: BE099493.D

Acq: 2 May 2019 15:06

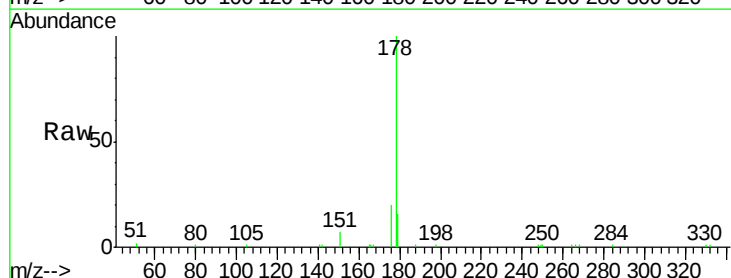
Tgt Ion:178 Resp: 10518

Ion Ratio Lower Upper

178 100

176 18.8 14.9 22.3

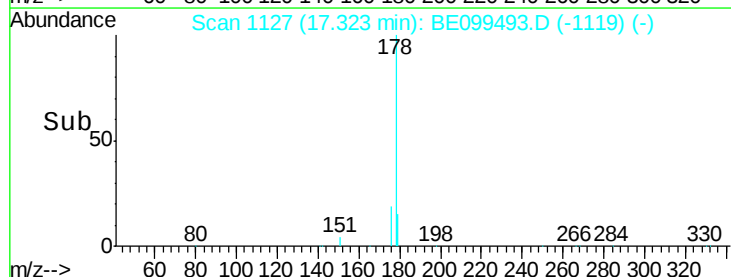
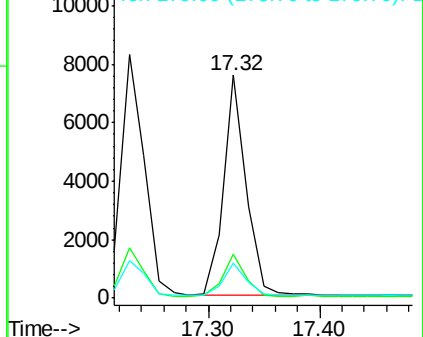
179 15.1 11.9 17.9

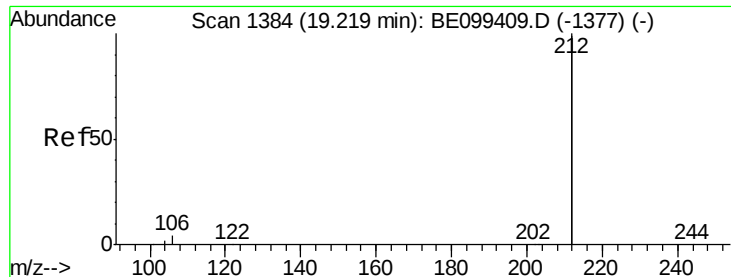


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.264 ng

RT: 19.22 min Scan# 1385

Delta R.T. 0.01 min

Lab File: BE099493.D

Acq: 2 May 2019 15:06

Instrument :

BNA_E

ClientSampleId :

PST-001-B186-042419MS

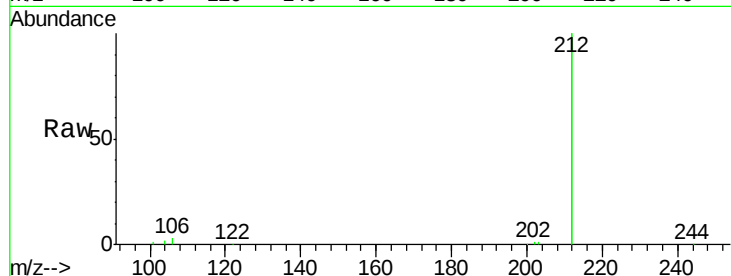
Tot Ion:212 Resp: 52681

Ion Ratio Lower Upper

212 100

106 1.8 1.5 2.3

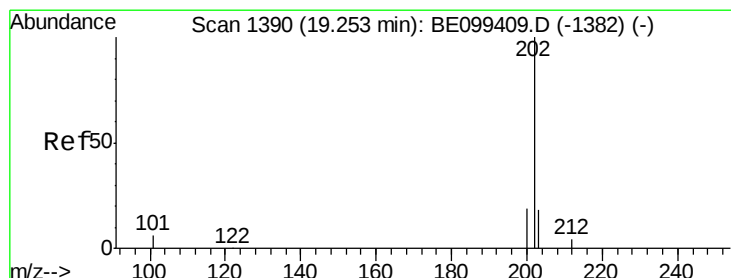
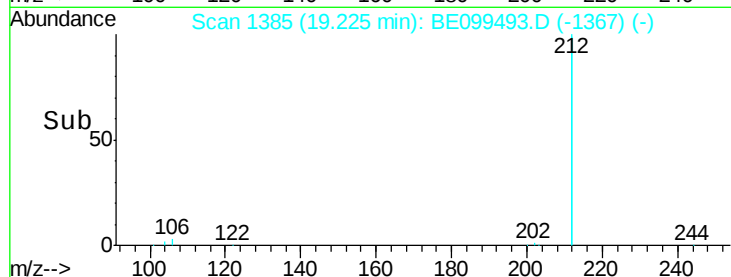
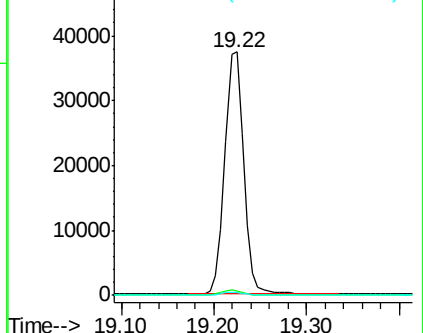
104 1.2 0.9 1.3



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: 0.334 ng

RT: 19.25 min Scan# 1390

Delta R.T. -0.00 min

Lab File: BE099493.D

Acq: 2 May 2019 15:06

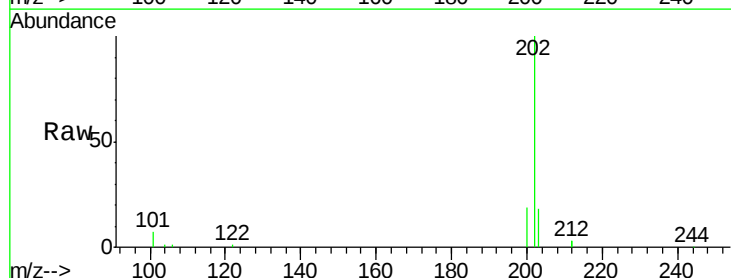
Tgt Ion:202 Resp: 19095

Ion Ratio Lower Upper

202 100

101 7.0 5.4 8.0

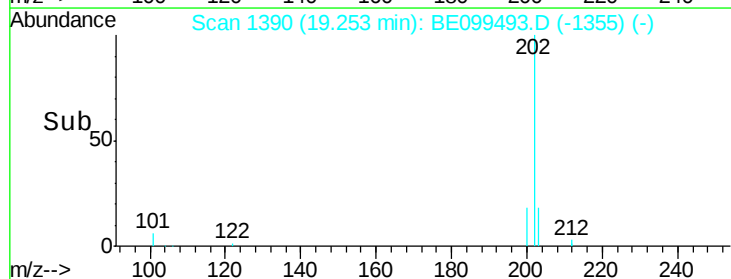
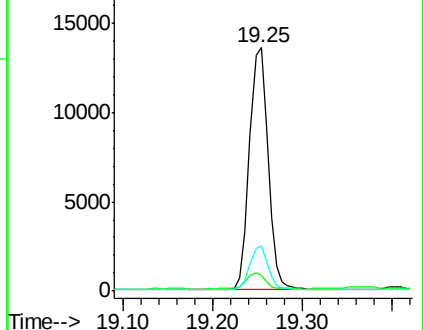
203 17.5 13.9 20.9



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: BE099493.D

Acq: 2 May 2019 15:06

Instrument :

BNA_E

ClientSampleId :

PST-001-B186-042419MS

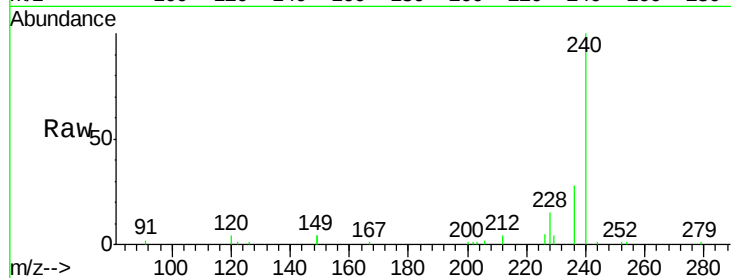
Tot Ion:240 Resp: 23141

Ion Ratio Lower Upper

240 100

120 4.3 4.0 6.0

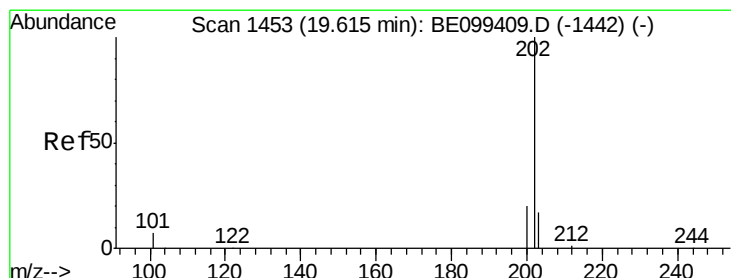
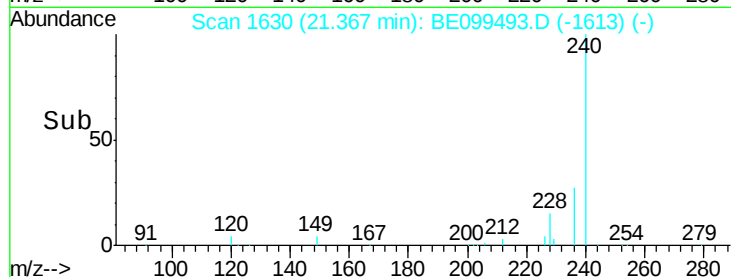
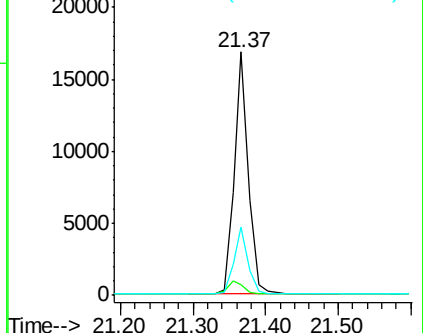
236 27.8 22.0 33.0



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: 0.338 ng

RT: 19.62 min Scan# 1453

Delta R.T. -0.00 min

Lab File: BE099493.D

Acq: 2 May 2019 15:06

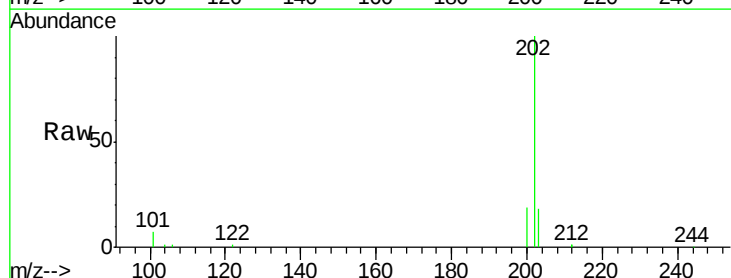
Tgt Ion:202 Resp: 20372

Ion Ratio Lower Upper

202 100

200 19.6 15.7 23.5

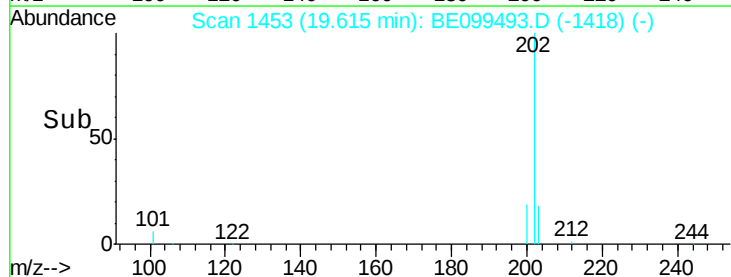
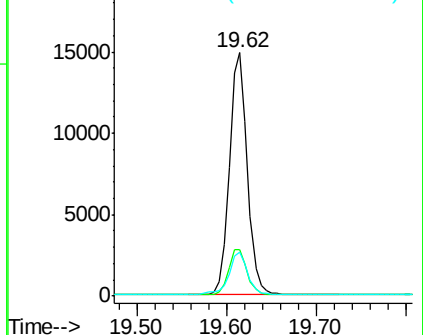
203 18.2 13.9 20.9

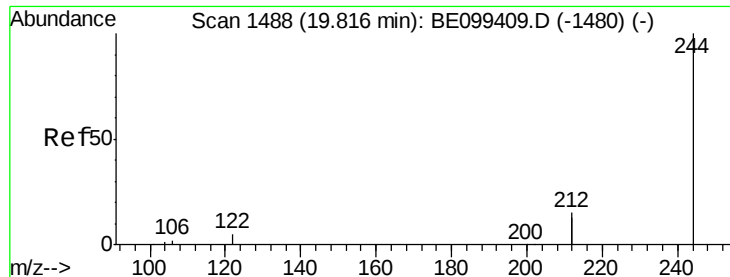


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.267 ng

RT: 19.82 min Scan# 1488

Delta R.T. -0.00 min

Lab File: BE099493.D

Acq: 2 May 2019 15:06

Instrument :

BNA_E

ClientSampleId :

PST-001-B186-042419MS

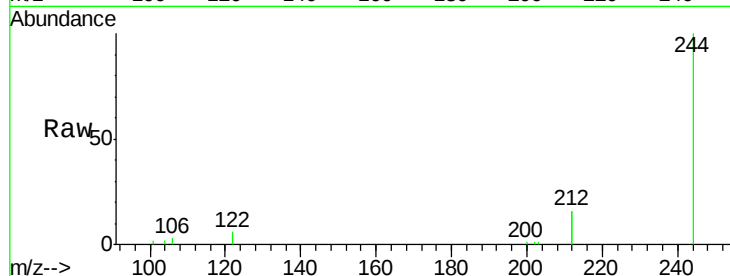
Tot Ion:244 Resp: 11322

Ion Ratio Lower Upper

244 100

212 31.2 23.2 34.8

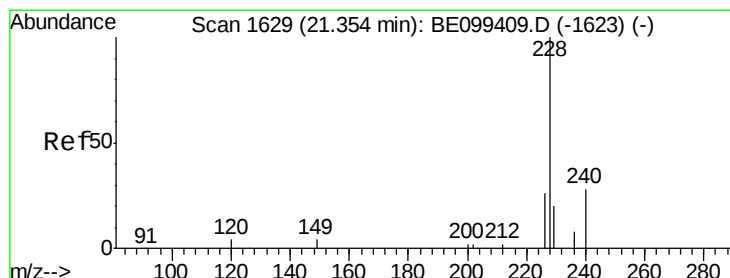
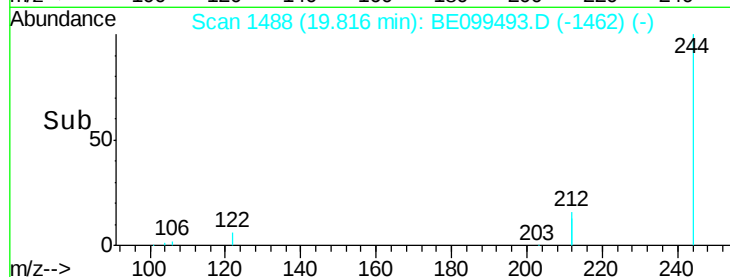
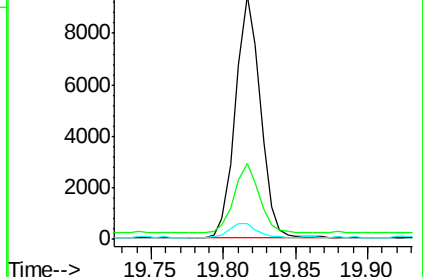
122 6.4 4.2 6.4#



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: 0.322 ng

RT: 21.34 min Scan# 1628

Delta R.T. -0.01 min

Lab File: BE099493.D

Acq: 2 May 2019 15:06

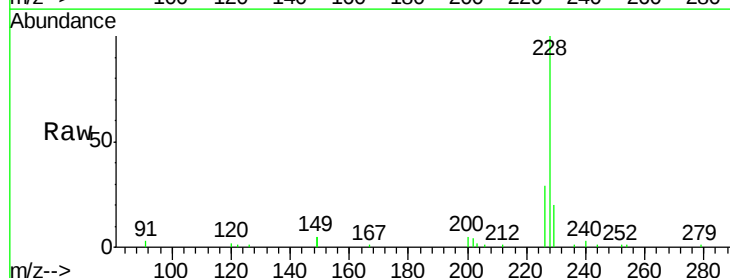
Tgt Ion:228 Resp: 23762

Ion Ratio Lower Upper

228 100

226 29.2 21.0 31.6

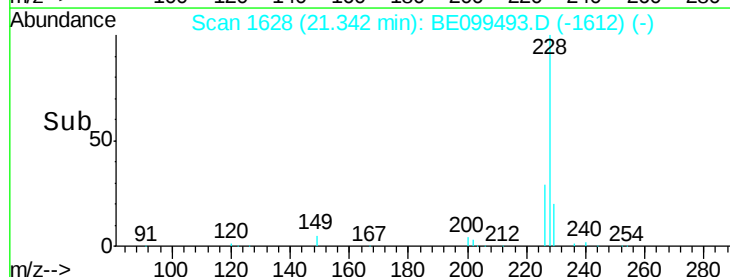
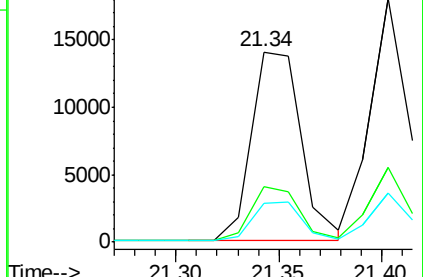
229 20.4 16.6 25.0

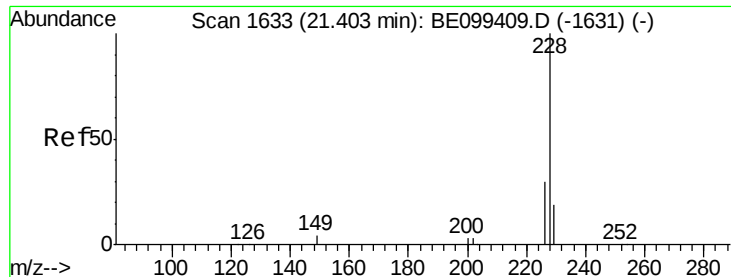


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.324 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE099493.D

Acq: 2 May 2019 15:06

Instrument :

BNA_E

ClientSampleId :

PST-001-B186-042419MS

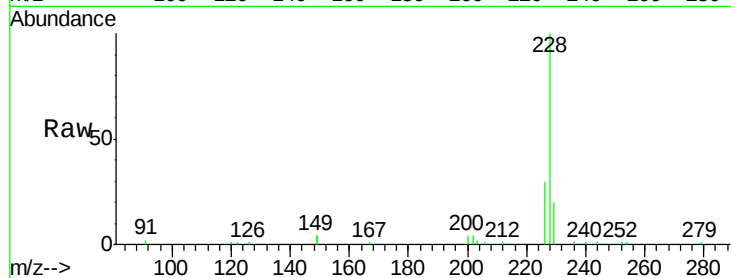
Tot Ion:228 Resp: 23398

Ion Ratio Lower Upper

228 100

226 30.5 24.0 36.0

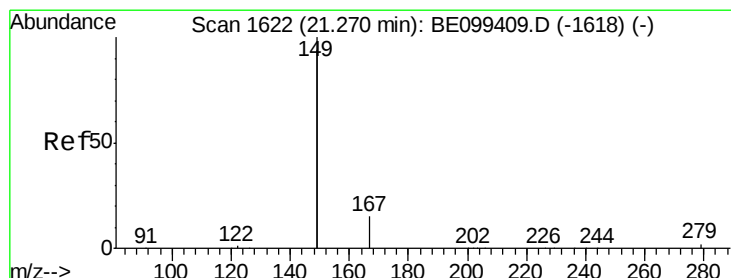
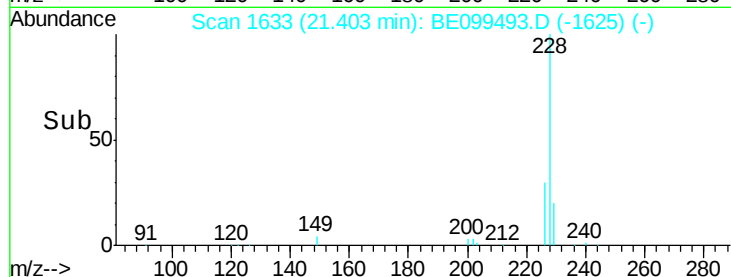
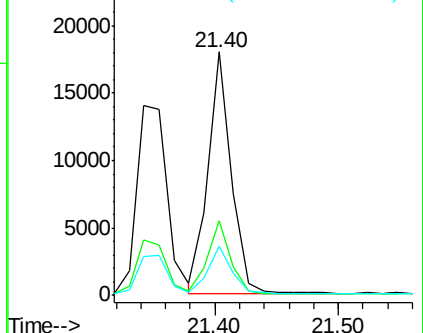
229 20.3 15.8 23.8



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: 0.371 ng

RT: 21.27 min Scan# 1622

Delta R.T. 0.00 min

Lab File: BE099493.D

Acq: 2 May 2019 15:06

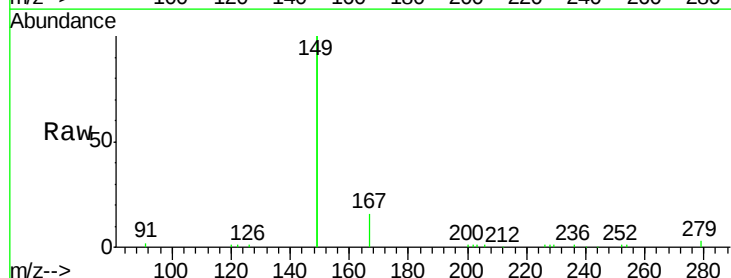
Tgt Ion:149 Resp: 45997

Ion Ratio Lower Upper

149 100

167 7.5 5.8 8.6

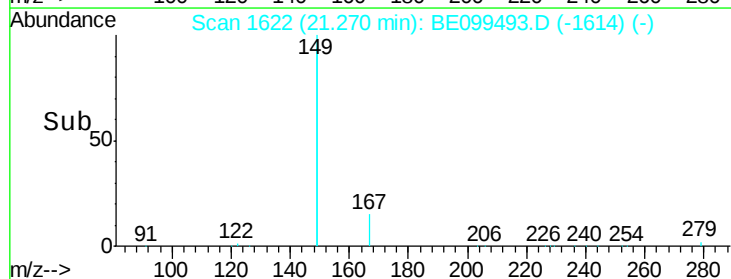
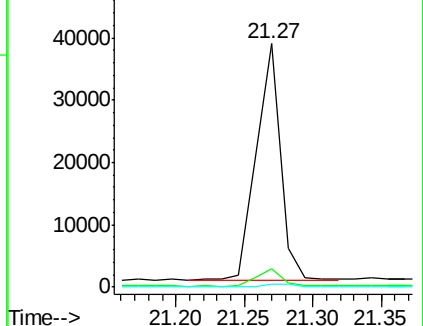
279 1.5 1.0 1.6



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: 0.321 ng

RT: 26.52 min Scan# 2938

Delta R.T. -0.00 min

Lab File: BE099493.D

Acq: 2 May 2019 15:06

Instrument :

BNA_E

ClientSampleId :

PST-001-B186-042419MS

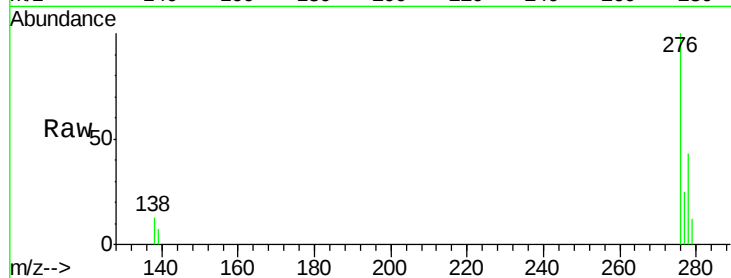
Tot Ion:276 Resp: 27332

Ion Ratio Lower Upper

276 100

138 12.4 10.2 15.2

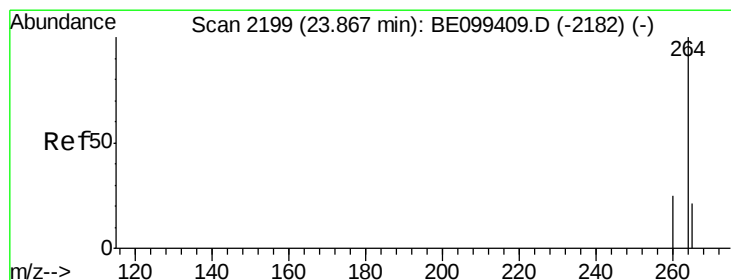
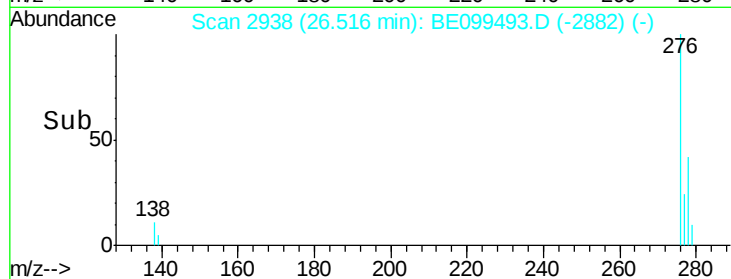
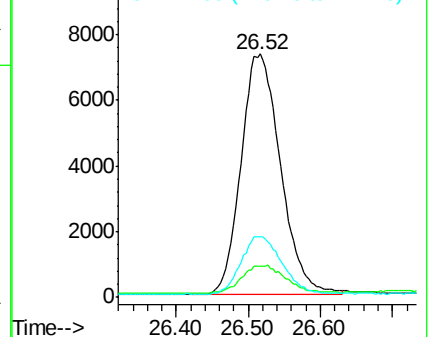
277 24.8 19.2 28.8



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: 23.87 min Scan# 2200

Delta R.T. 0.00 min

Lab File: BE099493.D

Acq: 2 May 2019 15:06

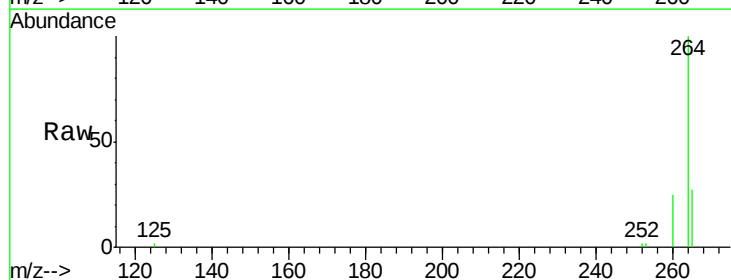
Tgt Ion:264 Resp: 27579

Ion Ratio Lower Upper

264 100

260 24.8 20.2 30.2

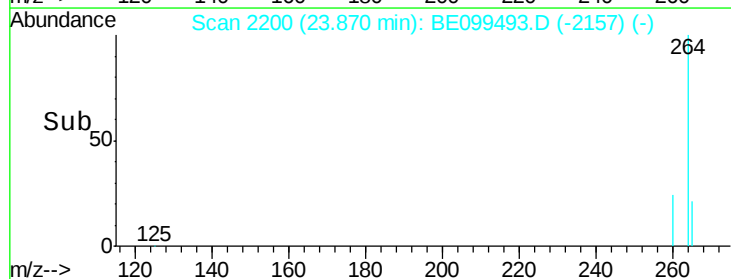
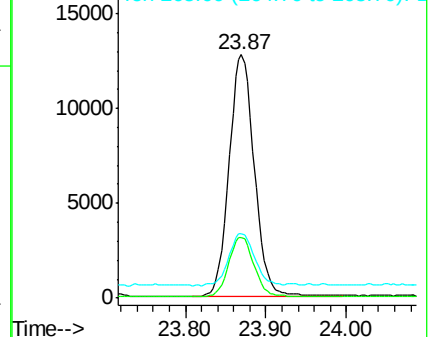
265 26.5 21.3 31.9

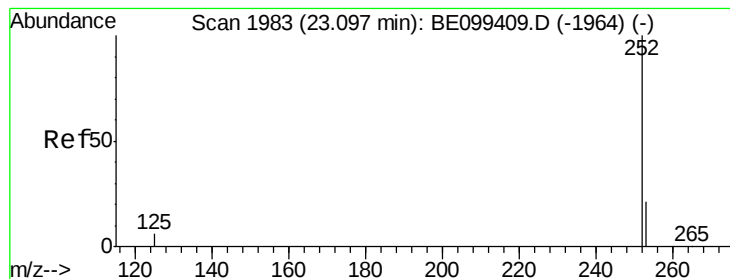


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.293 ng

RT: 23.15 min Scan# 1997

Delta R.T. 0.05 min

Lab File: BE099493.D

Acq: 2 May 2019 15:06

Instrument :

BNA_E

ClientSampleId :

PST-001-B186-042419MS

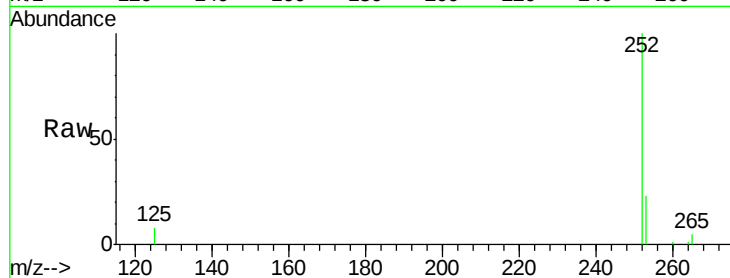
Tot Ion:252 Resp: 23326

Ion Ratio Lower Upper

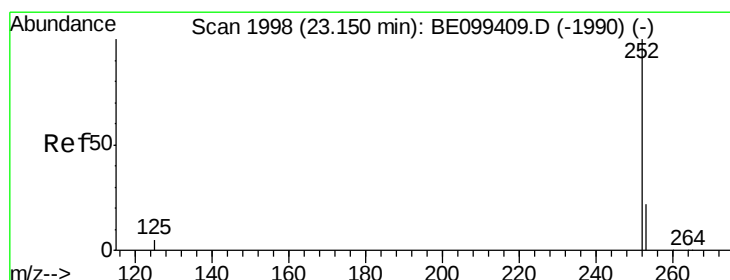
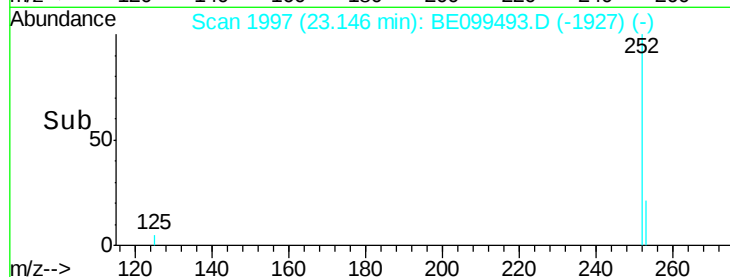
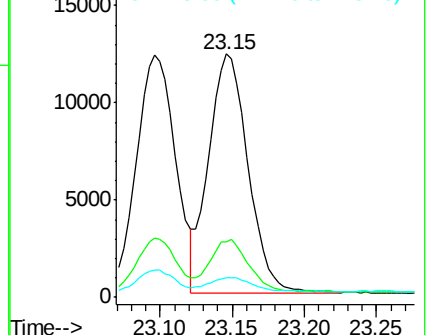
252 100

253 22.9 18.1 27.1

125 8.0 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: 0.304 ng

RT: 23.15 min Scan# 1997

Delta R.T. -0.00 min

Lab File: BE099493.D

Acq: 2 May 2019 15:06

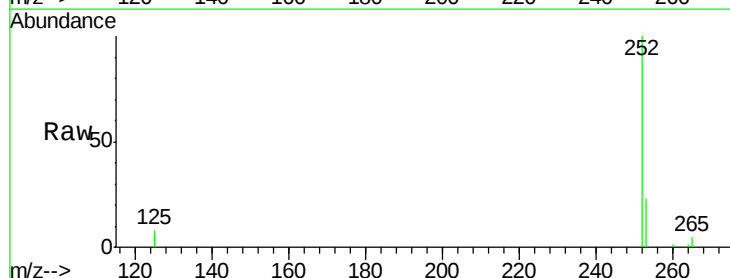
Tgt Ion:252 Resp: 23326

Ion Ratio Lower Upper

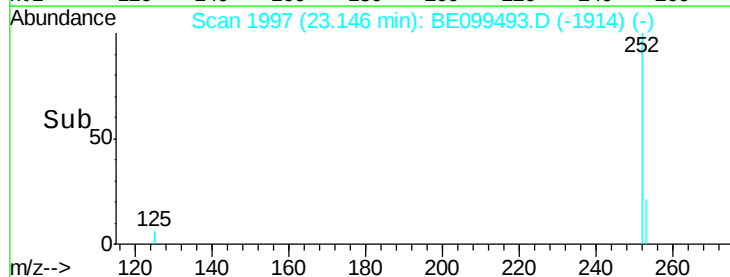
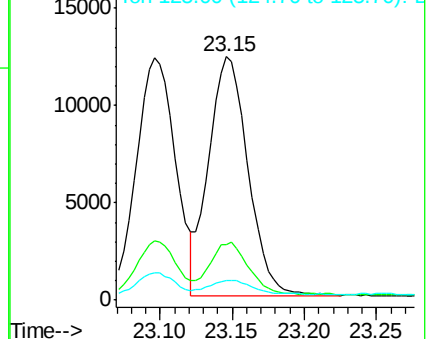
252 100

253 22.9 18.4 27.6

125 8.0 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: 0.302 ng

RT: 23.76 min Scan# 2168

Delta R.T. -0.00 min

Lab File: BE099493.D

Acq: 2 May 2019 15:06

Instrument :

BNA_E

ClientSampleId :

PST-001-B186-042419MS

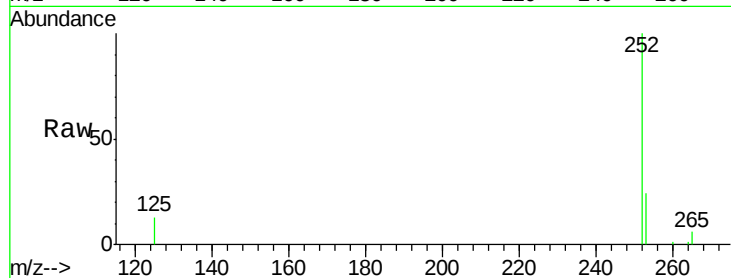
Tot Ion:252 Resp: 22699

Ion Ratio Lower Upper

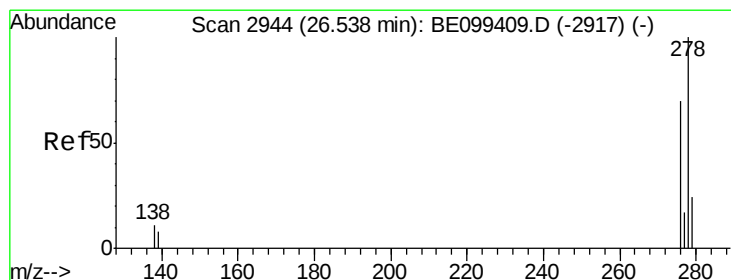
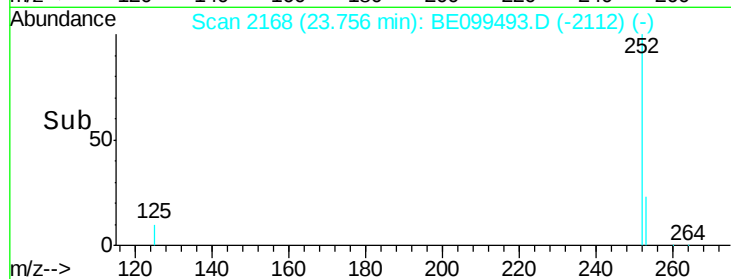
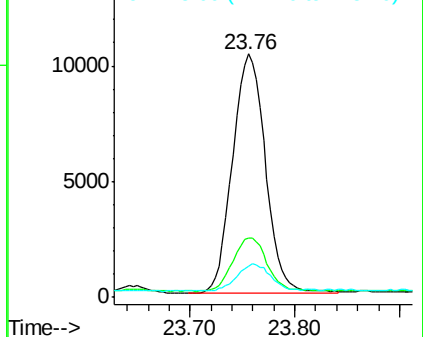
252 100

253 24.4 18.9 28.3

125 12.7 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: 0.295 ng

RT: 26.54 min Scan# 2946

Delta R.T. 0.01 min

Lab File: BE099493.D

Acq: 2 May 2019 15:06

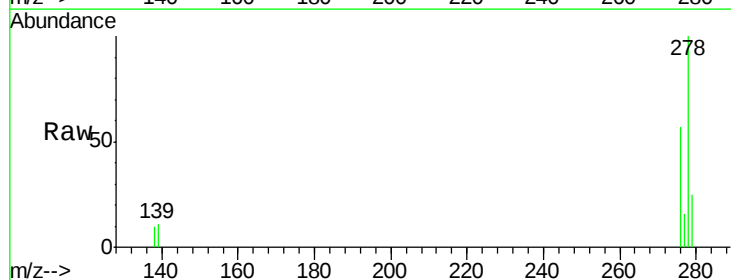
Tgt Ion:278 Resp: 22663

Ion Ratio Lower Upper

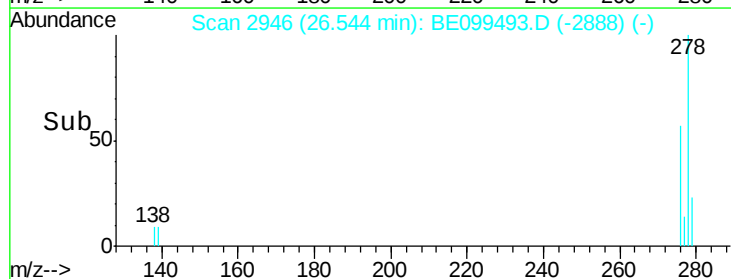
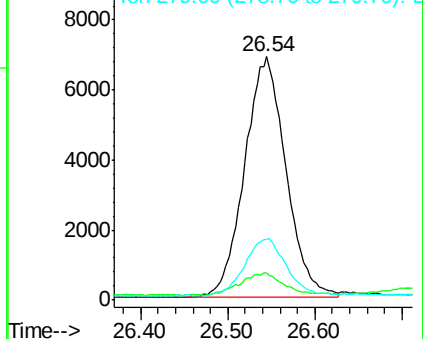
278 100

139 11.0 7.7 11.5

279 24.8 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: 0.305 ng

RT: 27.34 min Scan# 3168

Delta R.T. 0.00 min

Lab File: BE099493.D

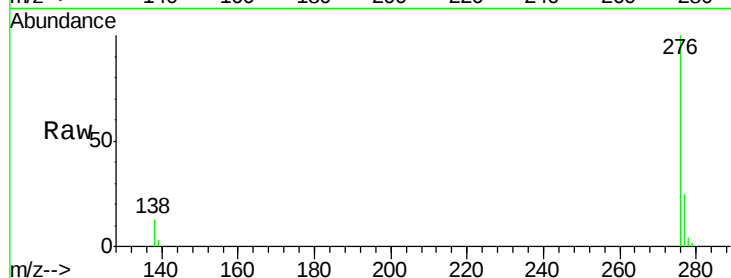
Acq: 2 May 2019 15:06

Instrument :

BNA_E

ClientSampleId :

PST-001-B186-042419MS



Tot Ion: 276 Resp: 23528

Ion Ratio Lower Upper

276 100

277 25.5 19.5 29.3

138 12.5 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

