

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050119\
 Data File : BE099476.D
 Acq On : 1 May 2019 23:10
 Operator : JU/SJ
 Sample : K2588-10MSD
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B194-042519MSD

Quant Time: May 02 07:43:32 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	2159	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	8106	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	6318	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	20115	0.40	ng	0.00
27) Chrysene-d12	21.37	240	25679	0.40	ng	0.00
34) Perylene-d12	23.86	264	28984	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.39	112	2602	0.44	ng	0.00
5) Phenol-d6	6.97	99	3781	0.48	ng	0.00
8) Nitrobenzene-d5	8.97	82	3110	0.41	ng	0.00
11) 2-Methylnaphthalene-d10	12.20	152	6547	0.45	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1814	0.46	ng	0.00
15) 2-Fluorobiphenyl	13.07	172	8747	0.36	ng	-0.01
25) Fluoranthene-d10	19.22	212	108245	0.40	ng	0.00
29) Terphenyl-d14	19.81	244	22361	0.48	ng	0.00

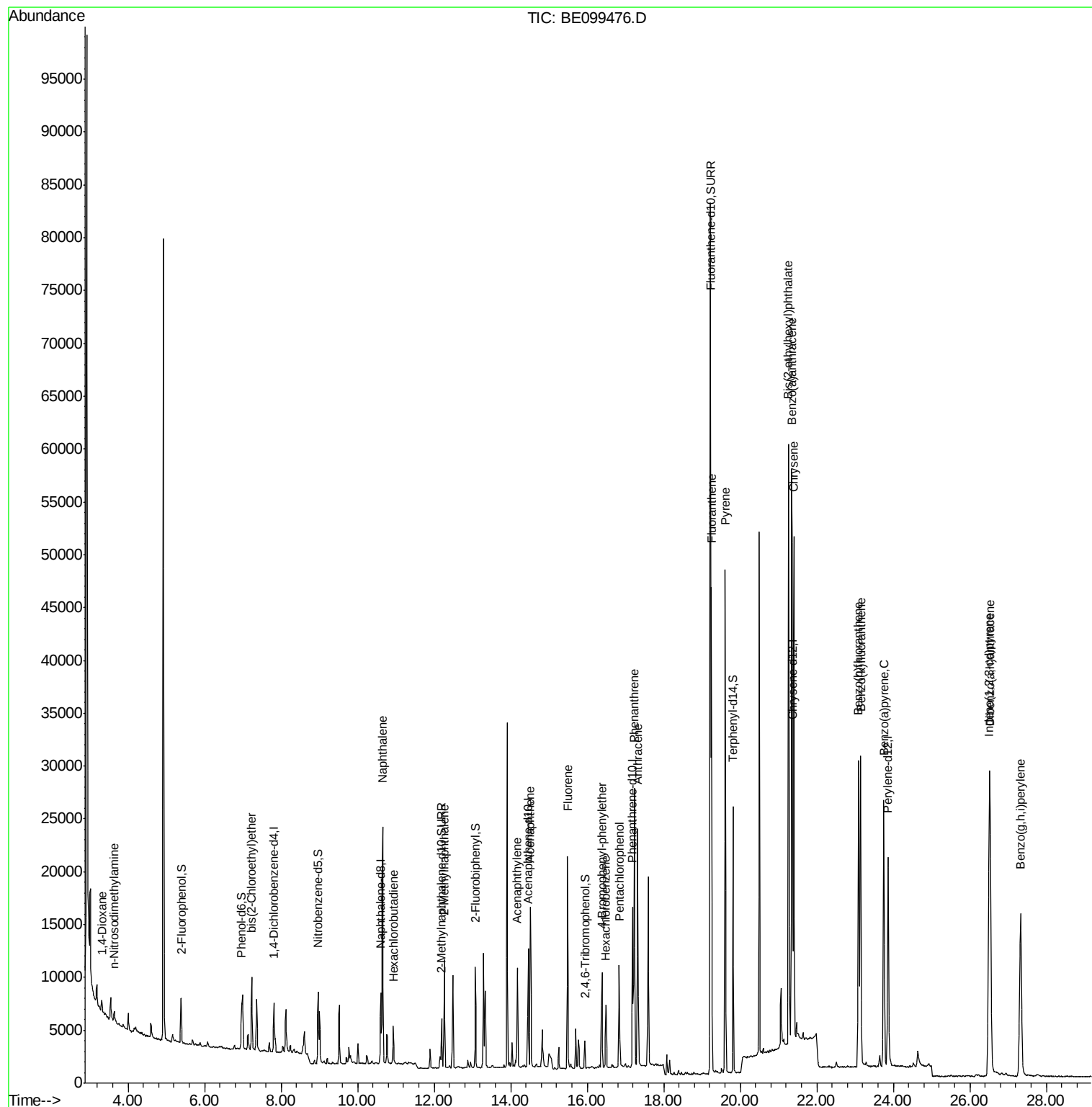
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.32	88	724	0.244	ng	# 72
3) n-Nitrosodimethylamine	3.63	42	681	0.380	ng	# 86
6) bis(2-Chloroethyl)ether	7.23	93	2656	0.388	ng	97
9) Naphthalene	10.65	128	37018	0.419	ng	100
10) Hexachlorobutadiene	10.93	225	2339	0.381	ng	98
12) 2-Methylnaphthalene	12.27	142	6538	0.426	ng	96
16) Acenaphthylene	14.17	152	12740	0.412	ng	98
17) Acenaphthene	14.51	154	7326	0.415	ng	99
18) Fluorene	15.49	166	11654	0.447	ng	97
20) 4-Bromophenyl-phenylether	16.38	248	4768	0.407	ng	# 89
21) Hexachlorobenzene	16.49	284	4728	0.424	ng	98
22) Pentachlorophenol	16.84	266	5068	0.970	ng	98
23) Phenanthrene	17.23	178	26134	0.504	ng	99
24) Anthracene	17.32	178	23363	0.472	ng	100
26) Fluoranthene	19.25	202	41553	0.534	ng	99
28) Pyrene	19.61	202	43524	0.650	ng	99
30) Benzo(a)anthracene	21.34	228	44935	0.549	ng	97
31) Chrysene	21.40	228	44430	0.555	ng	99
32) Bis(2-ethylhexyl)phthalate	21.26	149	74842	0.577	ng	99
33) Indeno(1,2,3-cd)pyrene	26.51	276	48114	0.508	ng	99
35) Benzo(b)fluoranthene	23.09	252	43396	0.519	ng	99
36) Benzo(k)fluoranthene	23.14	252	41592	0.516	ng	99
37) Benzo(a)pyrene	23.75	252	41381	0.524	ng	99
38) Dibenzo(a,h)anthracene	26.53	278	38494	0.476	ng	98
39) Benzo(g,h,i)perylene	27.33	276	40712	0.503	ng	99

(#) = 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: 7.81 min Scan# 429

Delta R.T. -0.01 min

Lab File: BE099476.D

Acq: 1 May 2019 23:10

Instrument :

BNA_E

ClientSampleId :

PST-001-B194-042519MSD

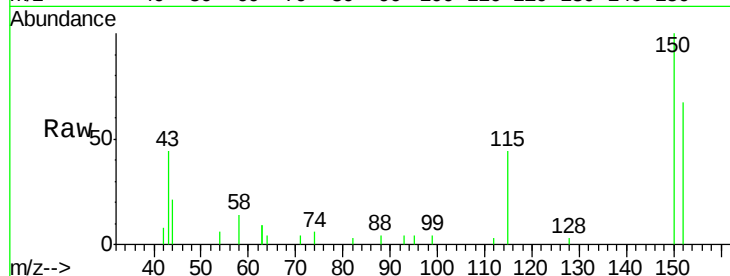
Tot Ion:152 Resp: 2159

Ion Ratio Lower Upper

152 100

150 149.3 104.8 157.2

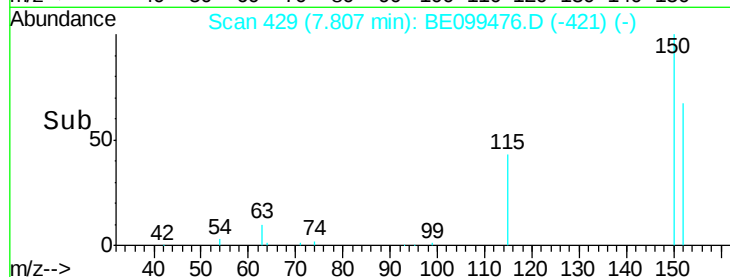
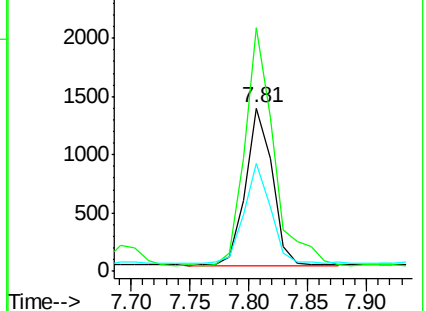
115 66.4 46.6 69.8



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: 0.244 ng

RT: 3.32 min Scan# 39

Delta R.T. 0.00 min

Lab File: BE099476.D

Acq: 1 May 2019 23:10

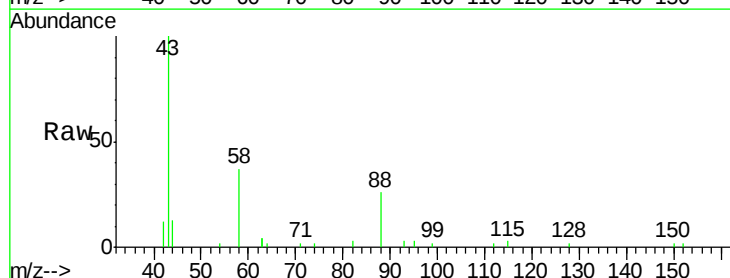
Tgt Ion: 88 Resp: 724

Ion Ratio Lower Upper

88 100

58 78.6 51.0 76.6#

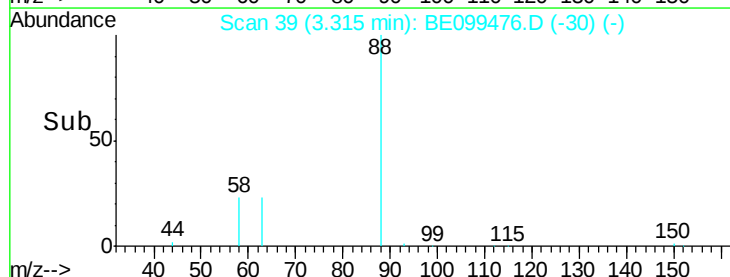
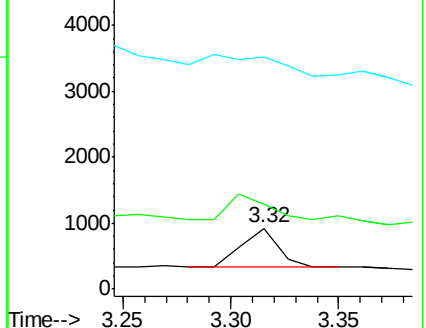
43 0.0 20.6 30.8#



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



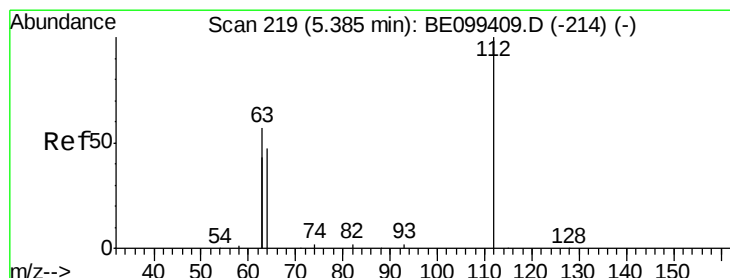
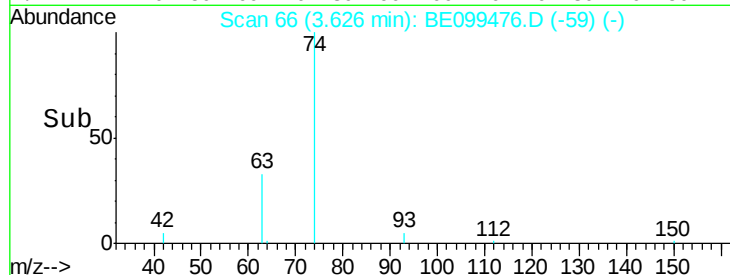
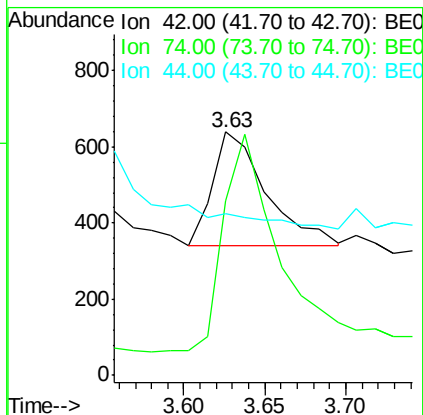
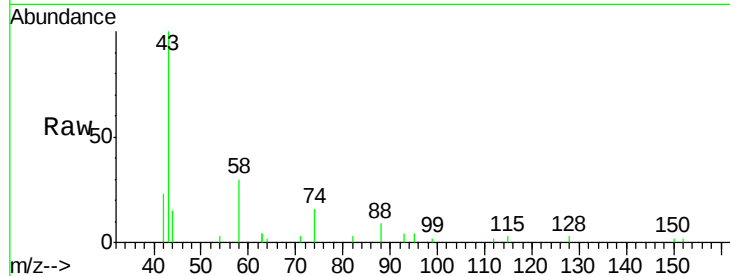


#3

n-Nitrosodimethylamine
 Concen: 0.380 ng
 RT: 3.63 min Scan# 66
 Delta R.T. -0.02 min
 Lab File: BE099476.D
 Acq: 1 May 2019 23:10

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B194-042519MSD

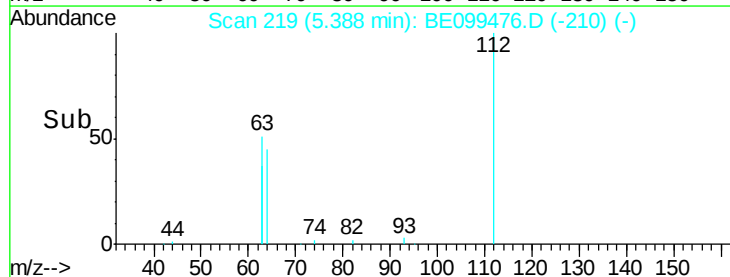
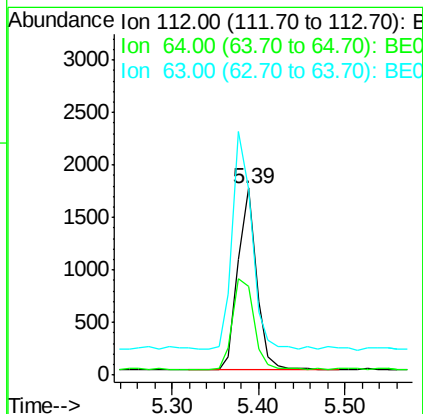
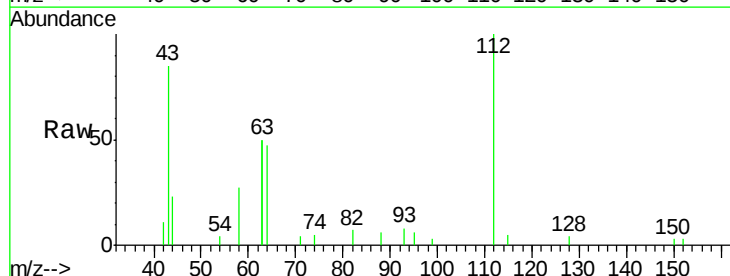
Tot Ion: 42 Resp: 681
 Ion Ratio Lower Upper
 42 100
 74 196.5 141.6 212.4
 44 0.0 0.0 0.0

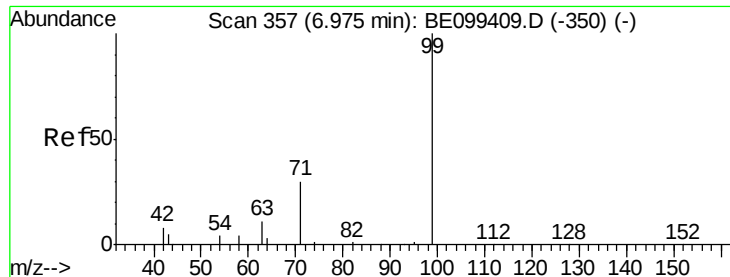


#4

2-Fluorophenol
 Concen: 0.436 ng
 RT: 5.39 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: BE099476.D
 Acq: 1 May 2019 23:10

Tgt Ion: 112 Resp: 2602
 Ion Ratio Lower Upper
 112 100
 64 56.6 47.4 71.0
 63 123.8 104.3 156.5





#5

Phenol-d6

Concen: 0.476 ng

RT: 6.97 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099476.D

Acq: 1 May 2019 23:10

Instrument :

BNA_E

ClientSampleId :

PST-001-B194-042519MSD

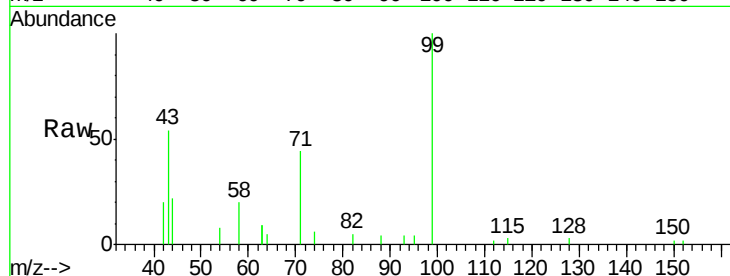
Tot Ion: 99 Resp: 3781

Ion Ratio Lower Upper

99 100

42 19.9 14.9 22.3

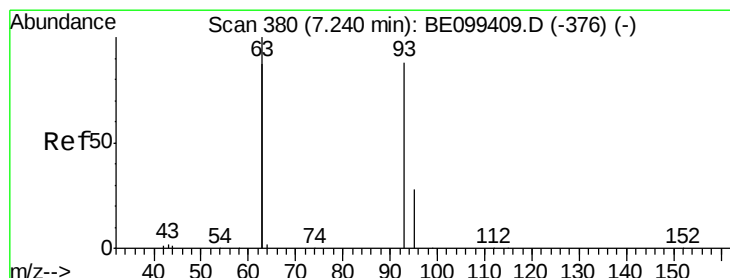
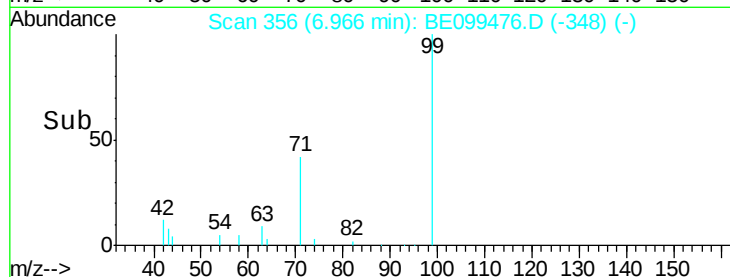
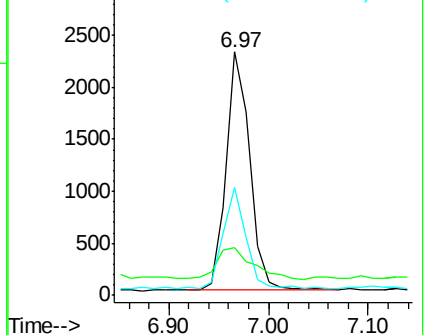
71 39.6 33.0 49.6



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: 0.388 ng

RT: 7.23 min Scan# 379

Delta R.T. -0.01 min

Lab File: BE099476.D

Acq: 1 May 2019 23:10

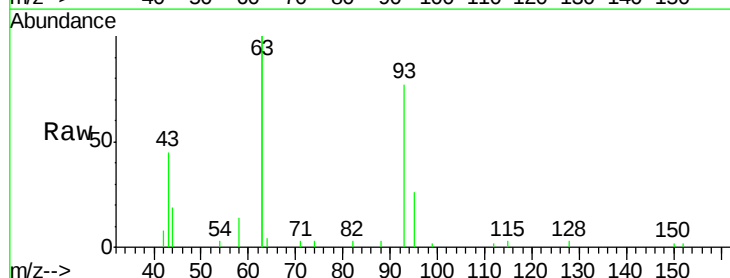
Tgt Ion: 93 Resp: 2656

Ion Ratio Lower Upper

93 100

63 275.4 215.6 323.4

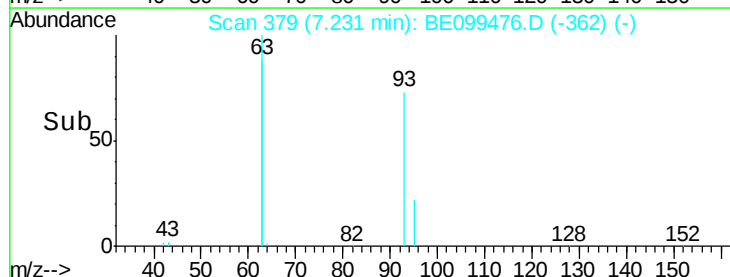
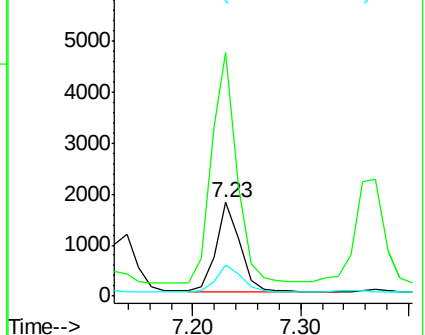
95 34.1 26.2 39.2



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: BE099476.D

Acq: 1 May 2019 23:10

Instrument :

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ClientSampleId :

PST-001-B194-042519MSD

Tot Ion:136 Resp: 8106

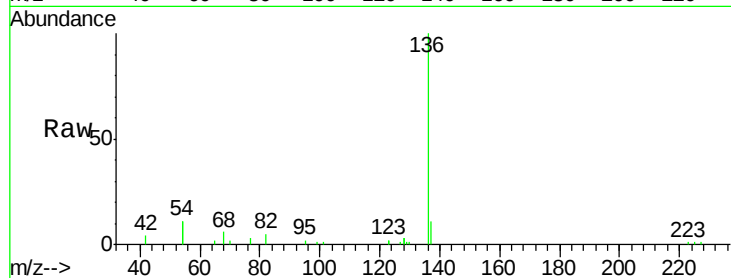
Ion Ratio Lower Upper

136 100

137 11.0 9.8 14.8

54 23.0 18.5 27.7

68 6.1 4.7 7.1

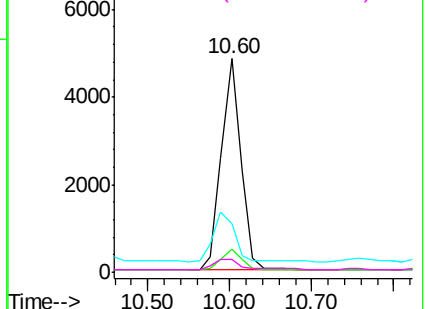
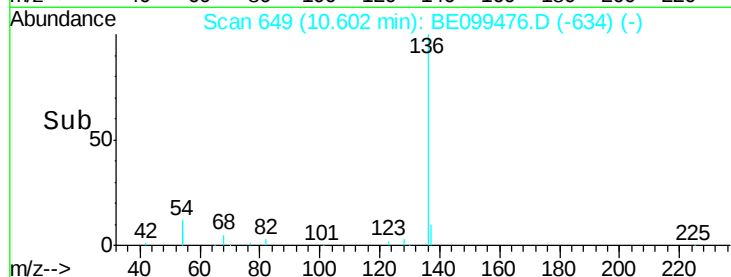


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.409 ng

RT: 8.97 min Scan# 523

Delta R.T. 0.00 min

Lab File: BE099476.D

Acq: 1 May 2019 23:10

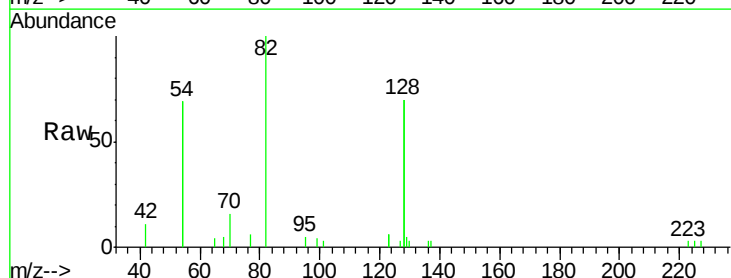
Tgt Ion: 82 Resp: 3110

Ion Ratio Lower Upper

82 100

128 139.4 107.0 160.4

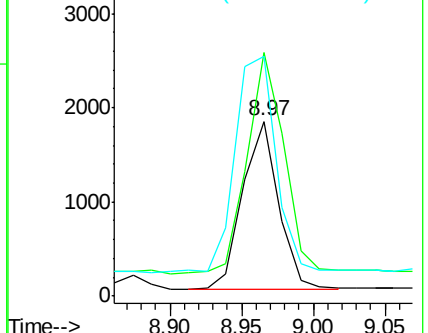
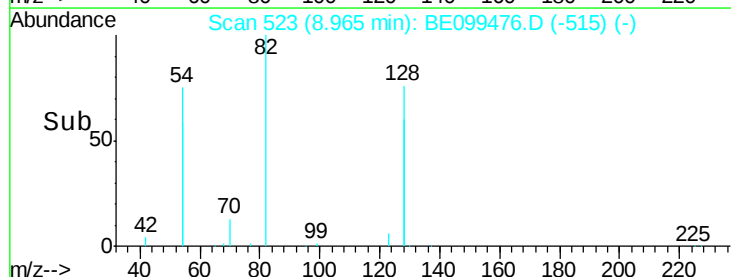
54 137.6 113.1 169.7

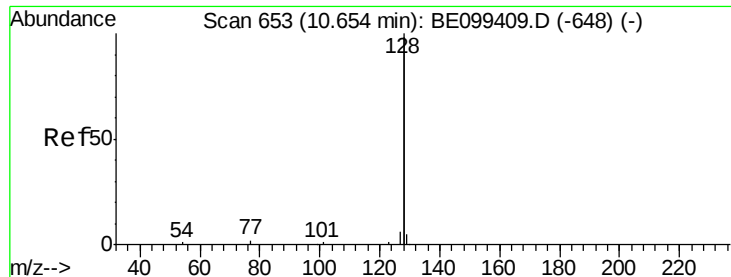


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.419 ng

RT: 10.65 min Scan# 653

Delta R.T. 0.00 min

Lab File: BE099476.D

Acq: 1 May 2019 23:10

Instrument :

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ClientSampleId :

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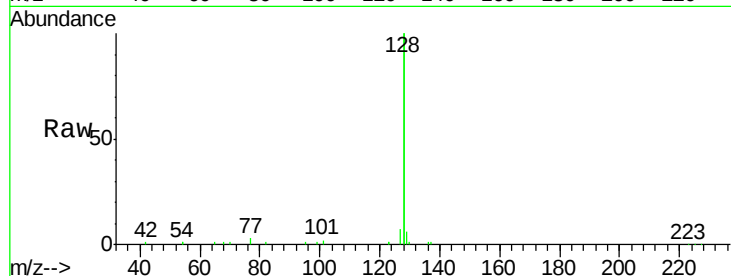
Tot Ion:128 Resp: 37018

Ion Ratio Lower Upper

128 100

129 3.0 2.4 3.6

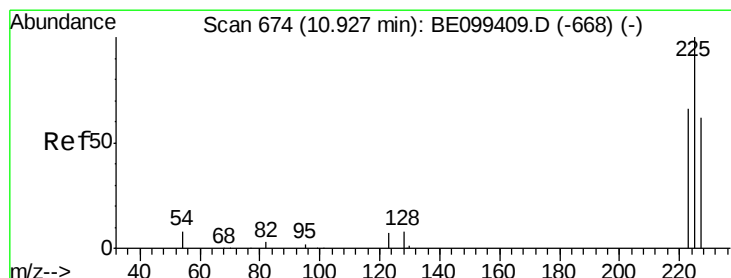
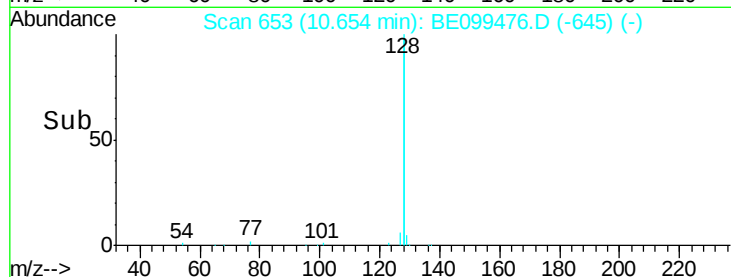
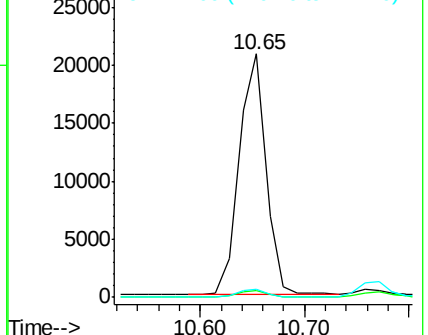
127 3.3 2.8 4.2



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: 0.381 ng

RT: 10.93 min Scan# 674

Delta R.T. 0.00 min

Lab File: BE099476.D

Acq: 1 May 2019 23:10

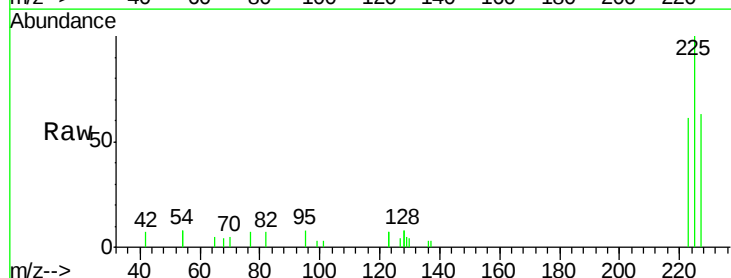
Tgt Ion:225 Resp: 2339

Ion Ratio Lower Upper

225 100

223 62.2 51.0 76.6

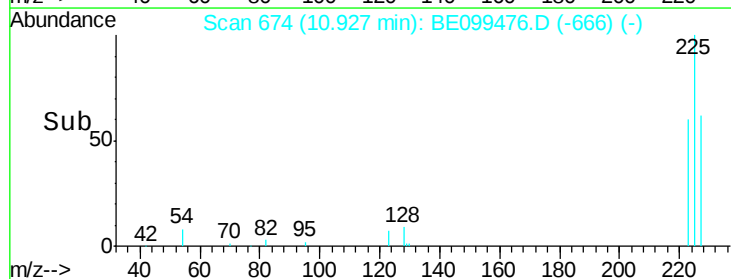
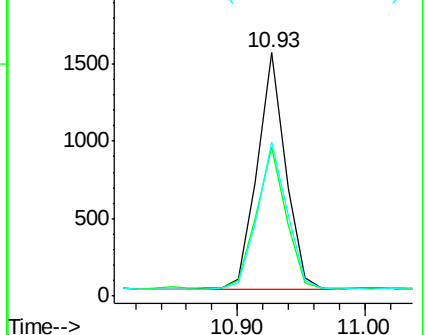
227 65.5 50.9 76.3

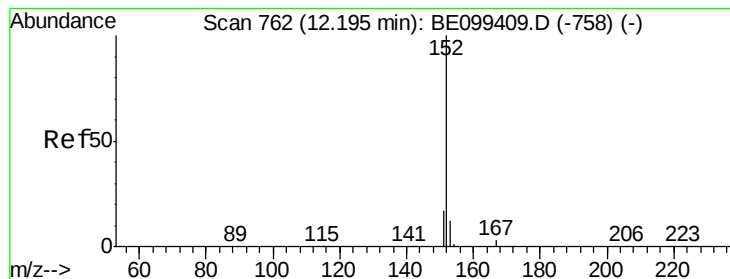


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.448 ng

RT: 12.20 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE099476.D

Acq: 1 May 2019 23:10

Instrument :

BNA_E

ClientSampleId :

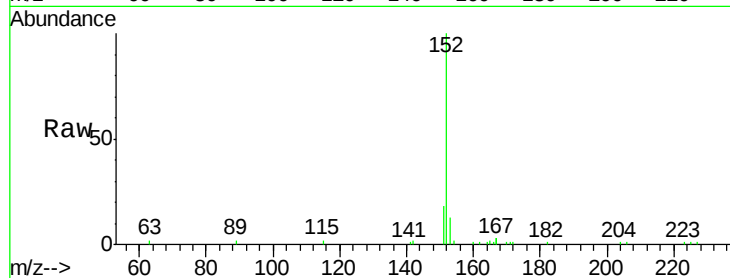
PST-001-B194-042519MSD

Tot Ion:152 Resp: 6547

Ion Ratio Lower Upper

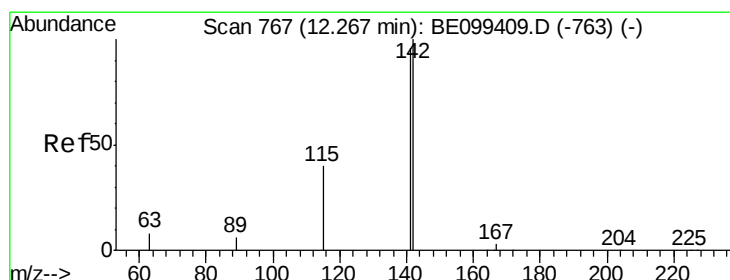
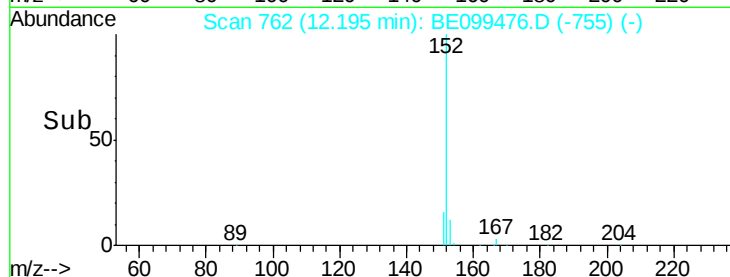
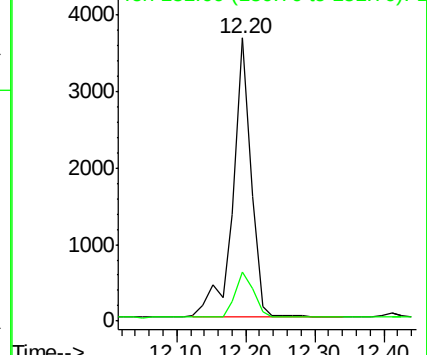
152 100

151 17.1 15.5 23.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.426 ng

RT: 12.27 min Scan# 767

Delta R.T. -0.00 min

Lab File: BE099476.D

Acq: 1 May 2019 23:10

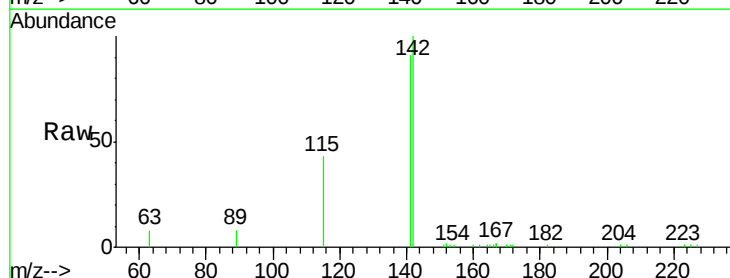
Tgt Ion:142 Resp: 6538

Ion Ratio Lower Upper

142 100

141 90.9 77.0 115.4

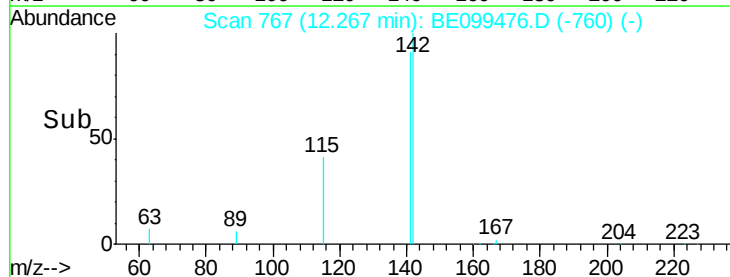
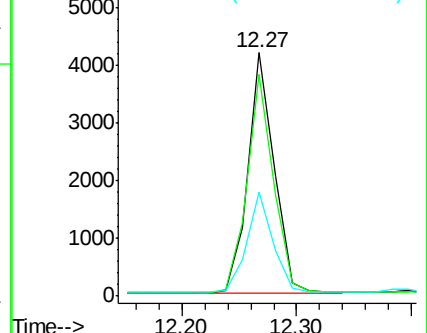
115 42.5 33.4 50.0

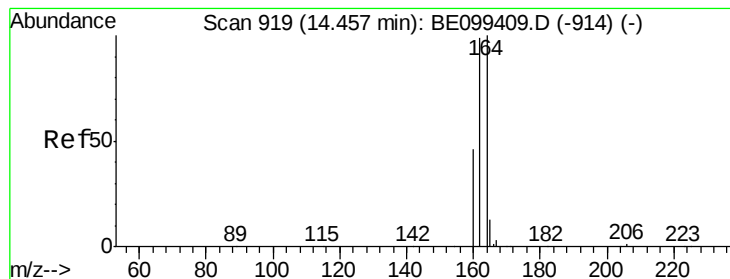


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.46 min Scan# 919

Delta R.T. -0.00 min

Lab File: BE099476.D

Acq: 1 May 2019 23:10

Instrument :

BNA_E

ClientSampleId :

PST-001-B194-042519MSD

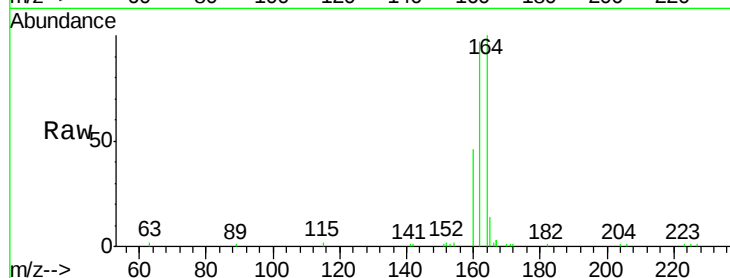
Tot Ion:164 Resp: 6318

Ion Ratio Lower Upper

164 100

162 96.9 79.0 118.4

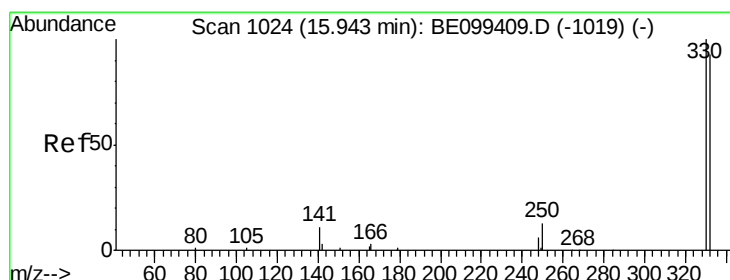
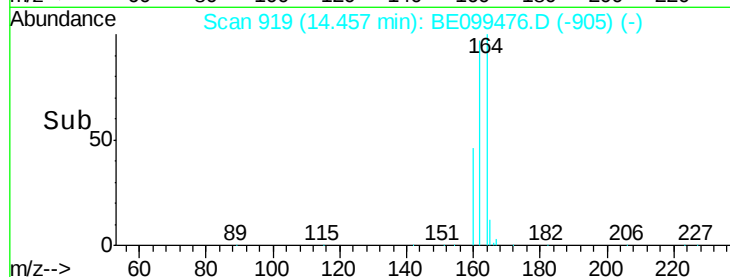
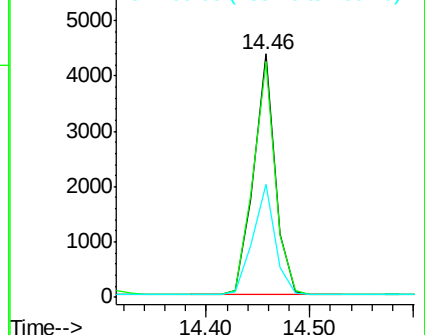
160 46.3 37.0 55.4



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: 0.456 ng

RT: 15.94 min Scan# 1024

Delta R.T. -0.00 min

Lab File: BE099476.D

Acq: 1 May 2019 23:10

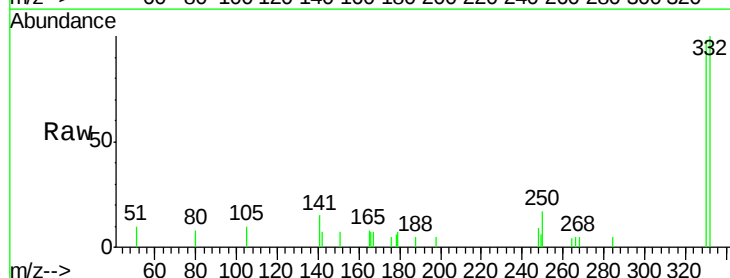
Tgt Ion:330 Resp: 1814

Ion Ratio Lower Upper

330 100

332 97.1 71.5 107.3

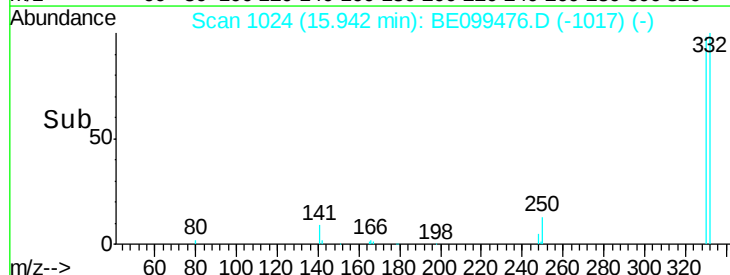
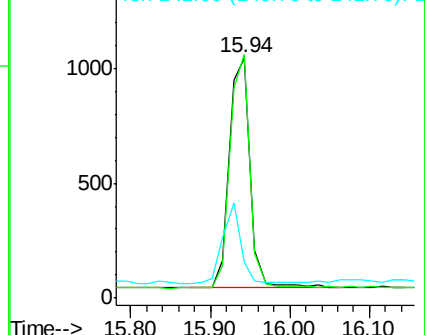
141 30.7 24.0 36.0

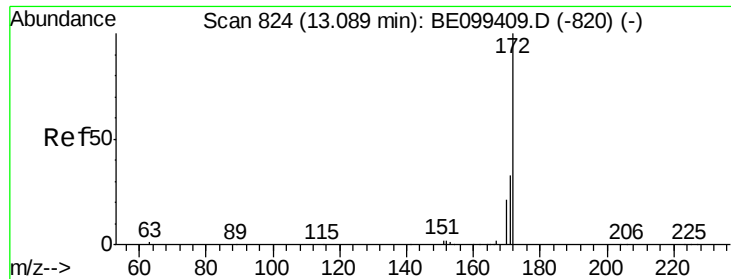


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

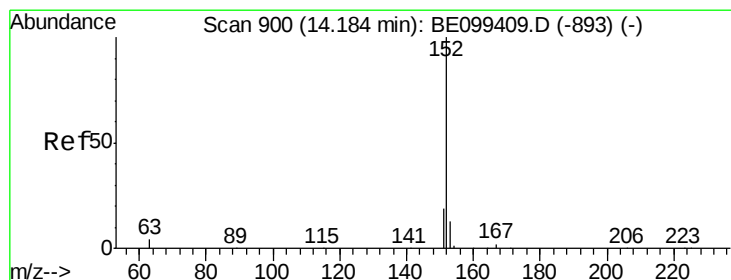
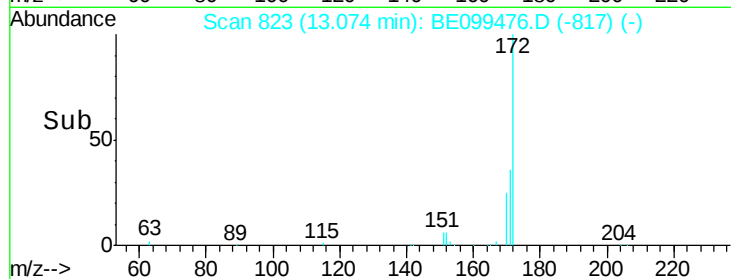
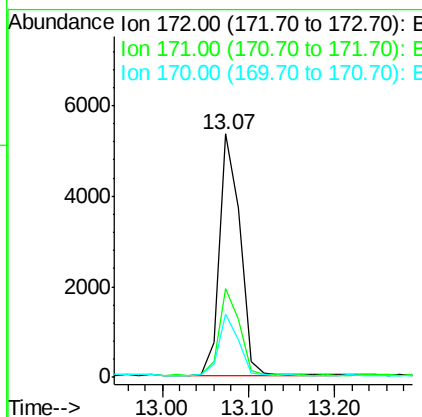
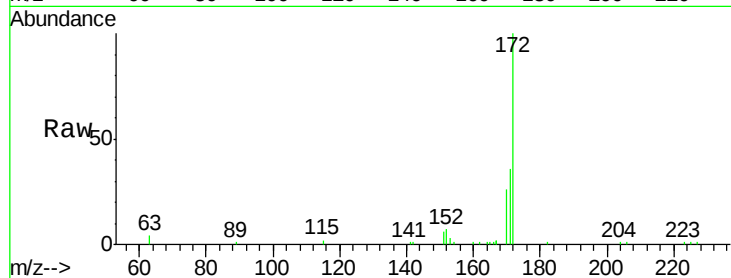




#15
 2-Fluorobiphenyl
 Concen: 0.363 ng
 RT: 13.07 min Scan# 823
 Delta R.T. -0.01 min
 Lab File: BE099476.D
 Acq: 1 May 2019 23:10

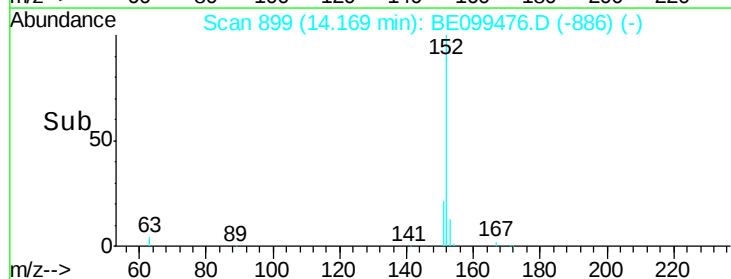
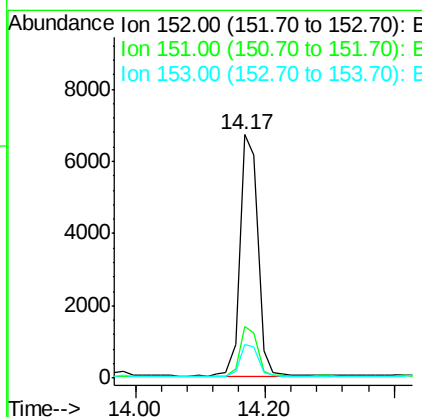
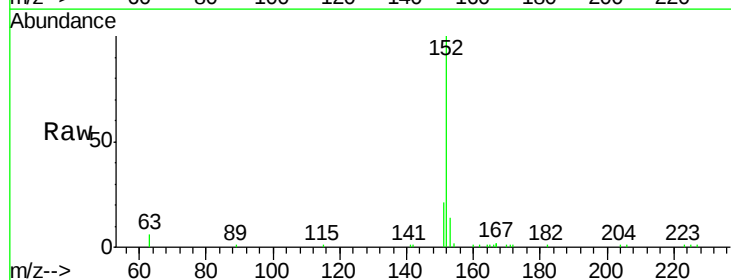
Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B194-042519MSD

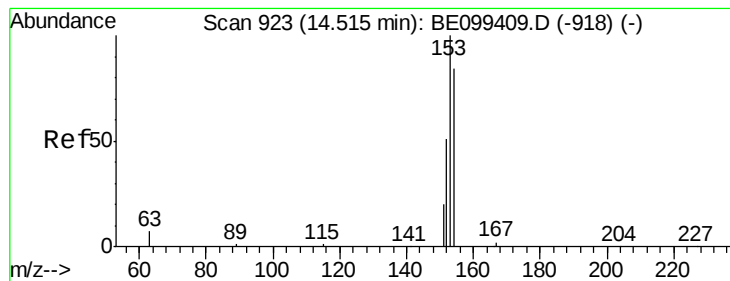
Tot Ion:172 Resp: 8747
 Ion Ratio Lower Upper
 172 100
 171 36.2 26.6 39.8
 170 26.2 17.0 25.6#



#16
 Acenaphthylene
 Concen: 0.412 ng
 RT: 14.17 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: BE099476.D
 Acq: 1 May 2019 23:10

Tgt Ion:152 Resp: 12740
 Ion Ratio Lower Upper
 152 100
 151 20.4 15.4 23.2
 153 13.0 9.8 14.6





#17

Acenaphthene

Concen: 0.415 ng

RT: 14.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: BE099476.D

Acq: 1 May 2019 23:10

Instrument :

BNA_E

ClientSampleId :

PST-001-B194-042519MSD

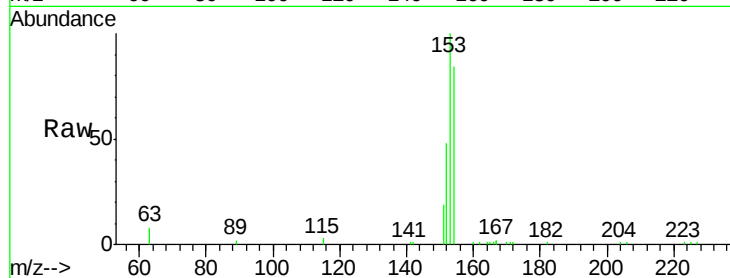
Tot Ion:154 Resp: 7326

Ion Ratio Lower Upper

154 100

153 117.0 92.6 138.8

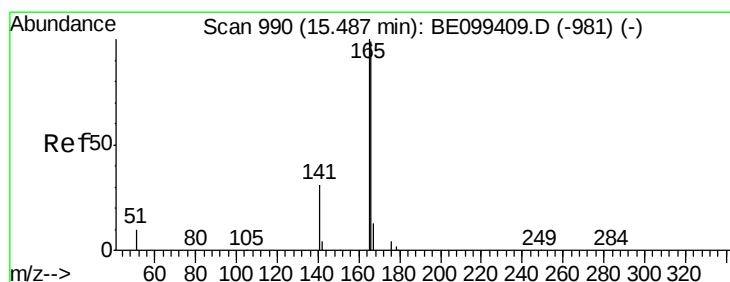
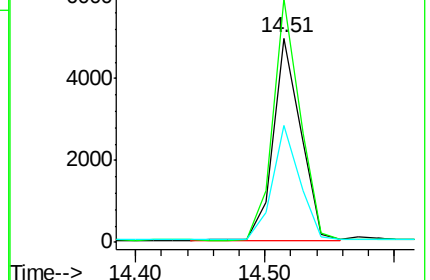
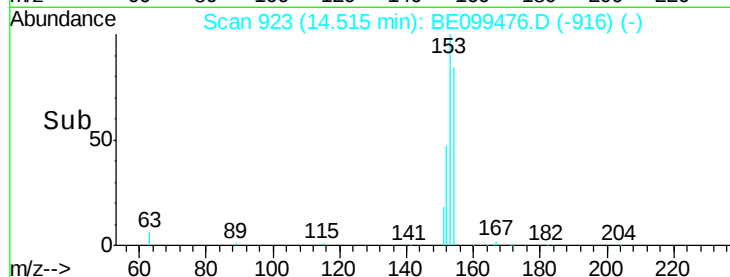
152 56.1 45.8 68.8



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: 0.447 ng

RT: 15.49 min Scan# 990

Delta R.T. -0.00 min

Lab File: BE099476.D

Acq: 1 May 2019 23:10

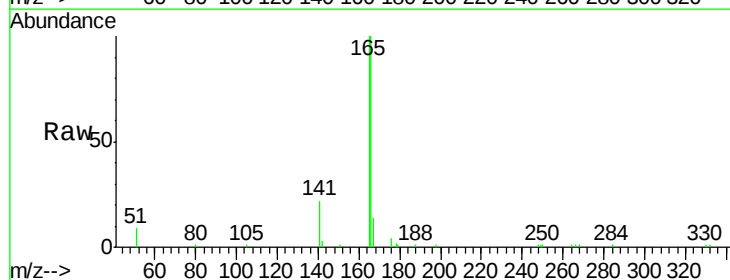
Tgt Ion:166 Resp: 11654

Ion Ratio Lower Upper

166 100

165 97.2 80.3 120.5

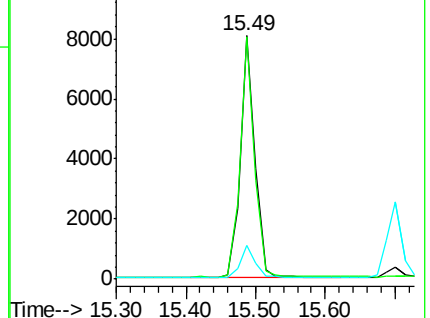
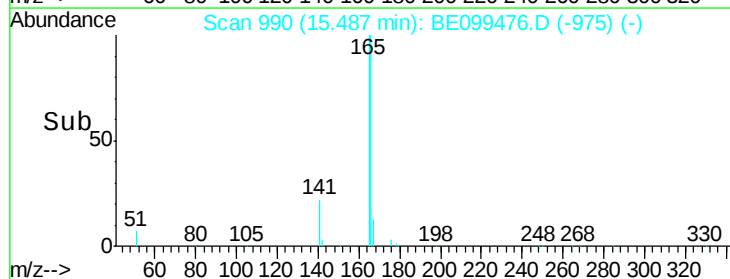
167 13.3 10.7 16.1

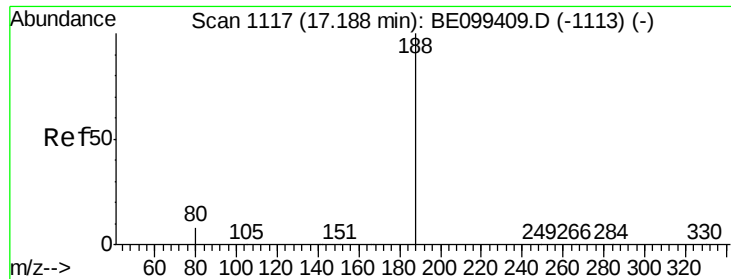


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE099476.D

Acq: 1 May 2019 23:10

Instrument :

BNA_E

ClientSampleId :

PST-001-B194-042519MSD

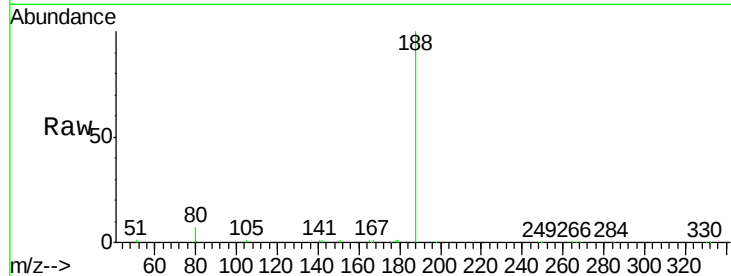
Tot Ion:188 Resp: 20115

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

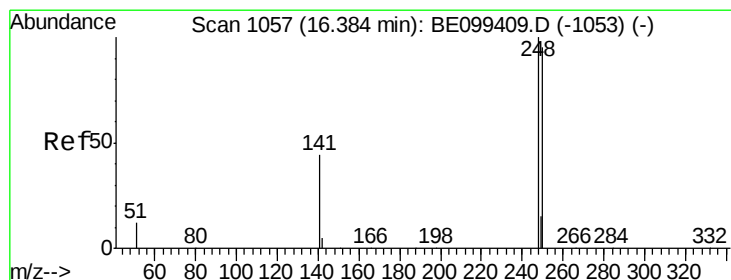
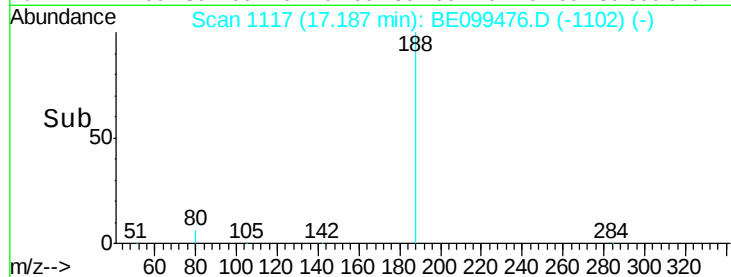
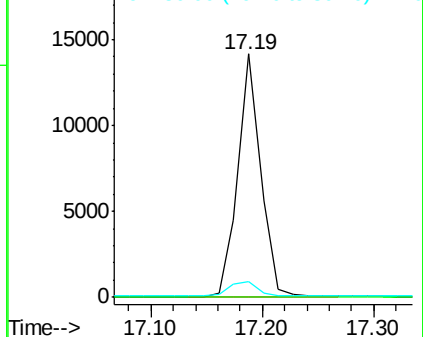
80 6.7 6.7 10.1



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: 0.407 ng

RT: 16.38 min Scan# 1057

Delta R.T. -0.00 min

Lab File: BE099476.D

Acq: 1 May 2019 23:10

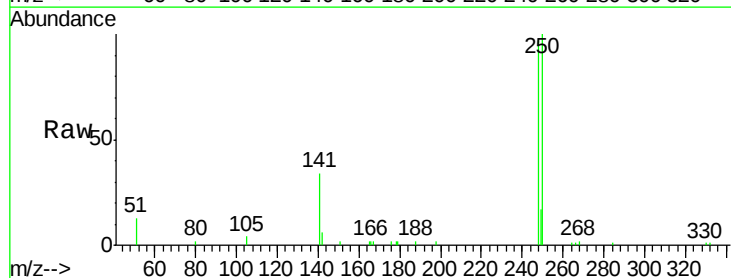
Tgt Ion:248 Resp: 4768

Ion Ratio Lower Upper

248 100

250 103.6 75.8 113.8

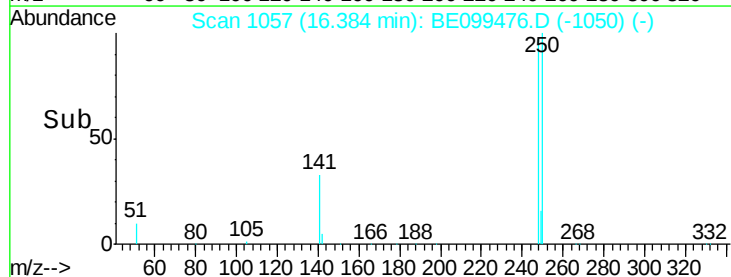
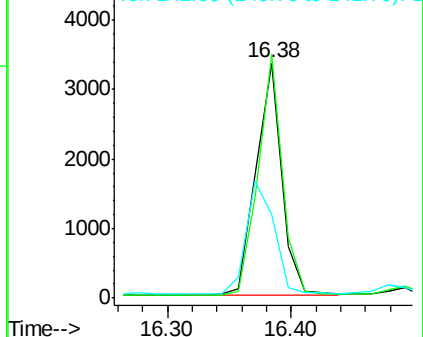
141 35.6 35.7 53.5#

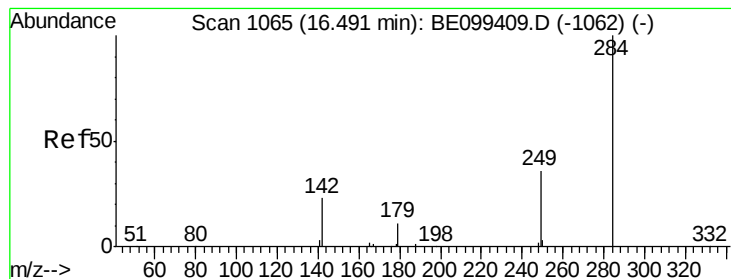


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.424 ng

RT: 16.49 min Scan# 1065

Delta R.T. -0.00 min

Lab File: BE099476.D

Acq: 1 May 2019 23:10

Instrument :

BNA_E

ClientSampleId :

PST-001-B194-042519MSD

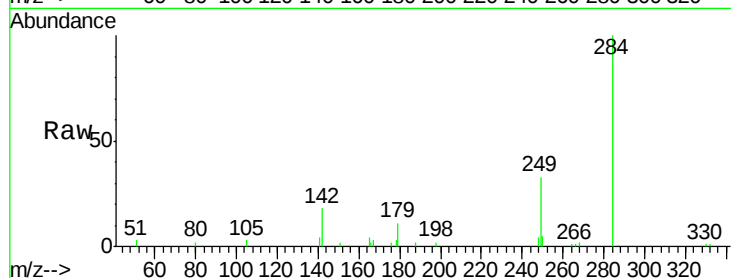
Tot Ion:284 Resp: 4728

Ion Ratio Lower Upper

284 100

142 26.6 21.0 31.6

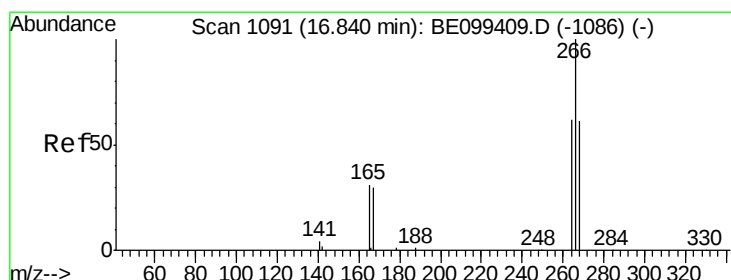
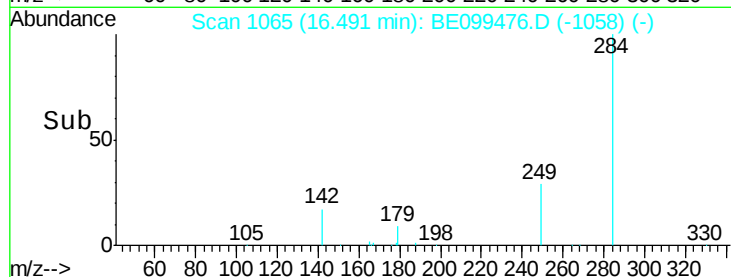
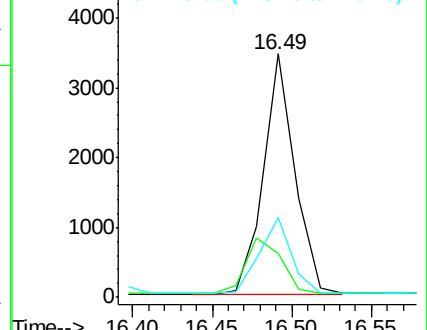
249 32.1 26.7 40.1



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



#22

Pentachlorophenol

Concen: 0.970 ng

RT: 16.84 min Scan# 1091

Delta R.T. 0.00 min

Lab File: BE099476.D

Acq: 1 May 2019 23:10

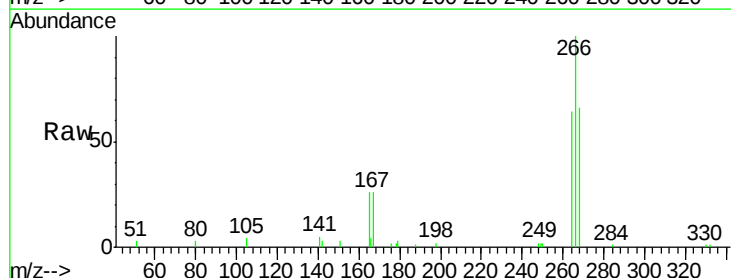
Tgt Ion:266 Resp: 5068

Ion Ratio Lower Upper

266 100

264 63.7 50.8 76.2

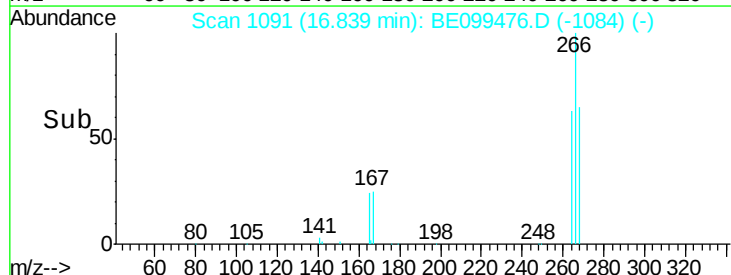
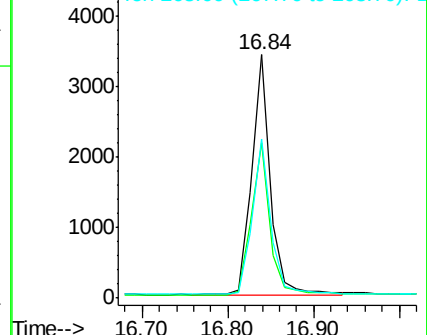
268 65.5 50.5 75.7

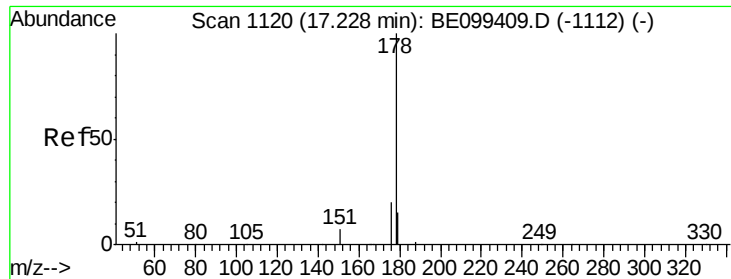


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.504 ng

RT: 17.23 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BE099476.D

Acq: 1 May 2019 23:10

Instrument :

BNA_E

ClientSampleId :

PST-001-B194-042519MSD

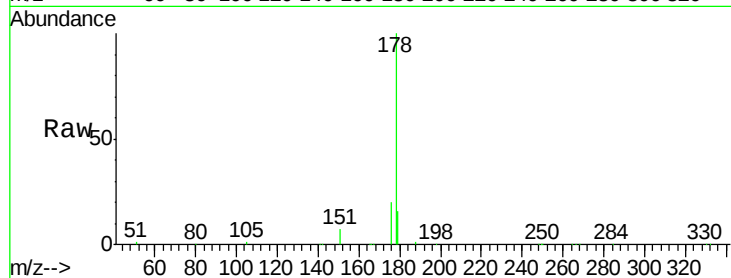
Tot Ion:178 Resp: 26134

Ion Ratio Lower Upper

178 100

176 19.6 15.6 23.4

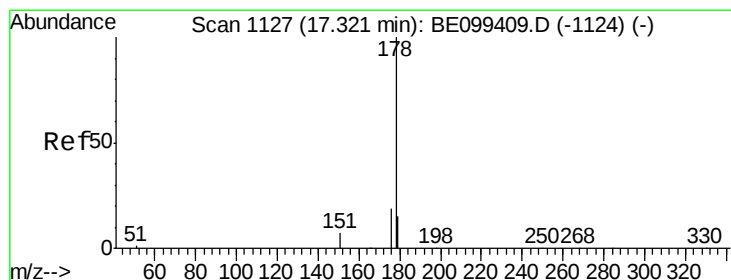
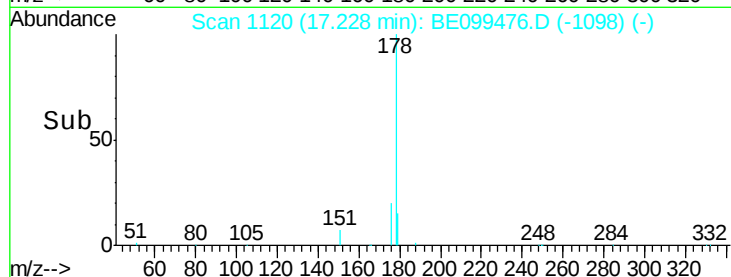
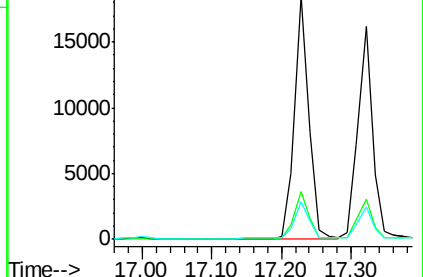
179 15.5 12.0 18.0



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: 0.472 ng

RT: 17.32 min Scan# 1127

Delta R.T. -0.00 min

Lab File: BE099476.D

Acq: 1 May 2019 23:10

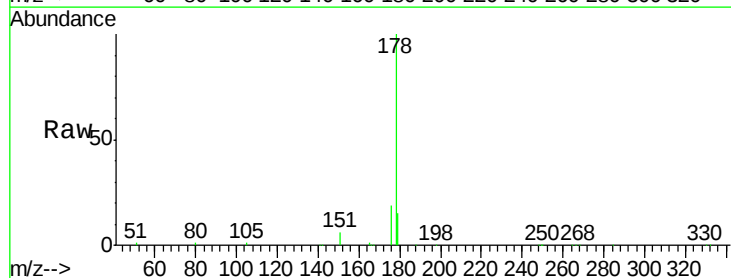
Tgt Ion:178 Resp: 23363

Ion Ratio Lower Upper

178 100

176 18.8 14.9 22.3

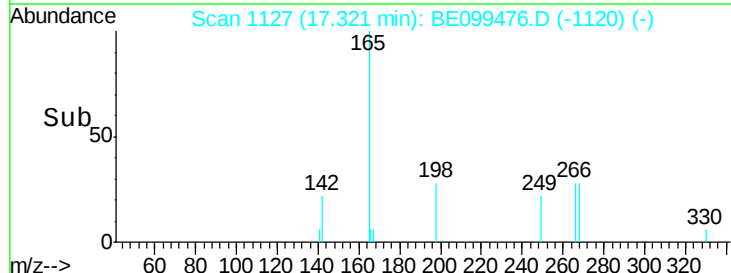
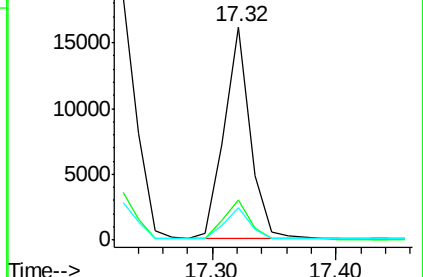
179 15.1 11.9 17.9

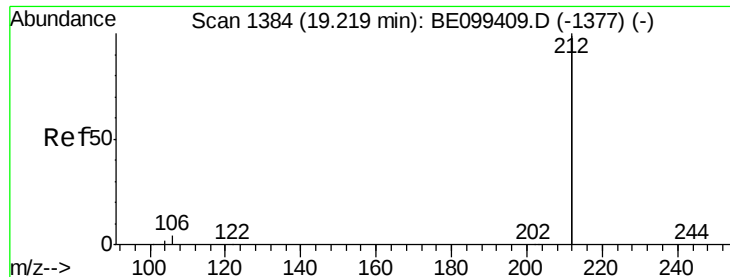


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.399 ng

RT: 19.22 min Scan# 1384

Delta R.T. 0.00 min

Lab File: BE099476.D

Acq: 1 May 2019 23:10

Instrument :

BNA_E

ClientSampleId :

PST-001-B194-042519MSD

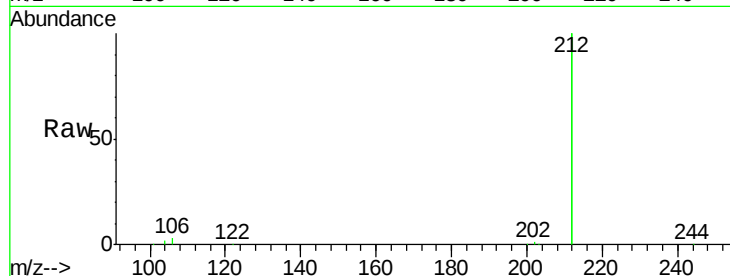
Tot Ion:212 Resp: 108245

Ion Ratio Lower Upper

212 100

106 1.8 1.5 2.3

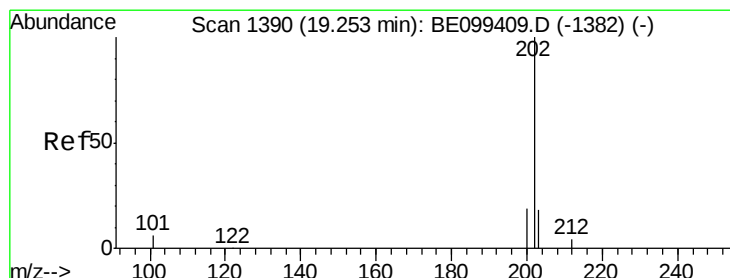
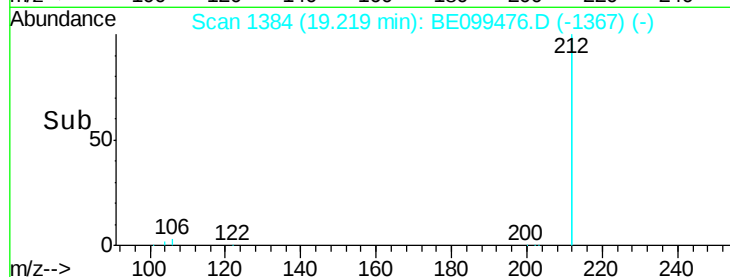
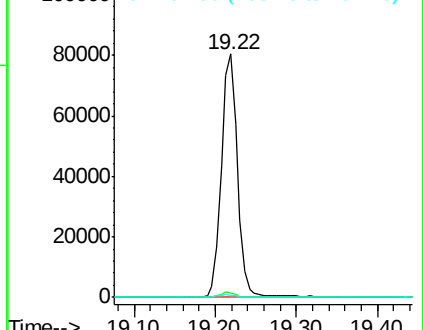
104 1.1 0.9 1.3



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: 0.534 ng

RT: 19.25 min Scan# 1389

Delta R.T. -0.01 min

Lab File: BE099476.D

Acq: 1 May 2019 23:10

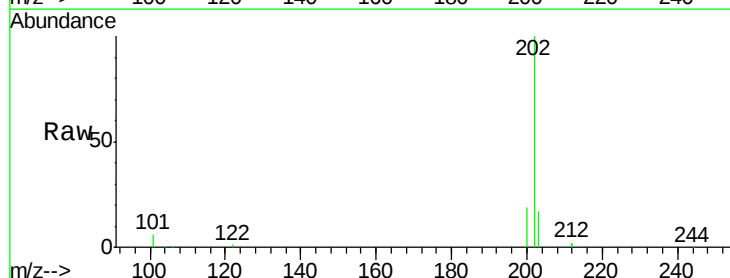
Tgt Ion:202 Resp: 41553

Ion Ratio Lower Upper

202 100

101 6.7 5.4 8.0

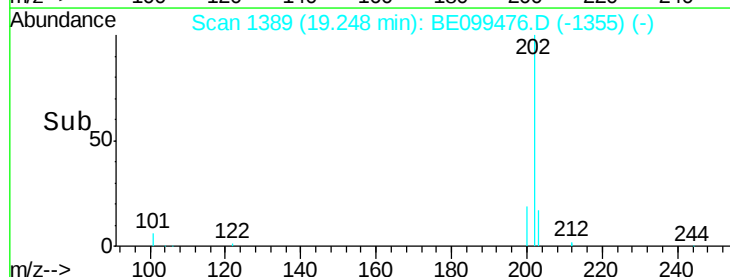
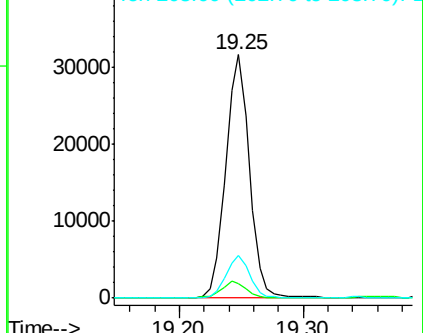
203 17.0 13.9 20.9



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

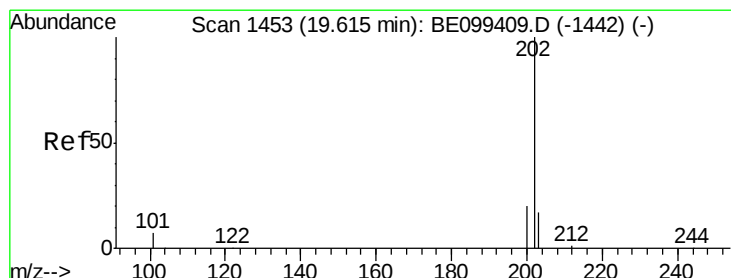
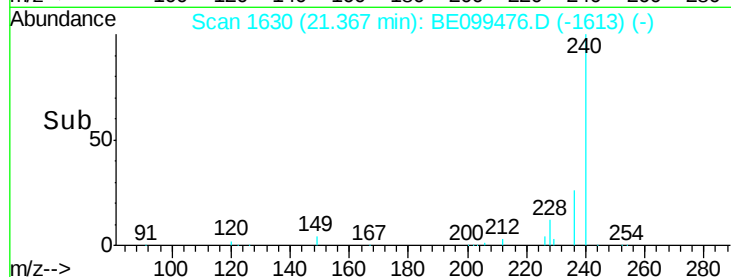
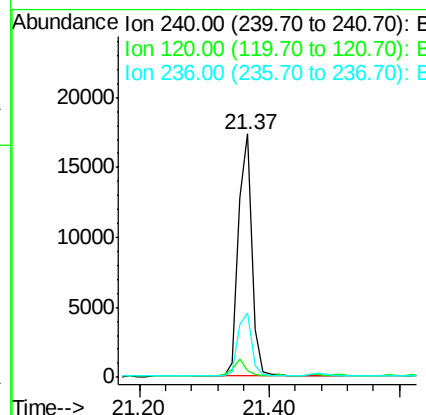
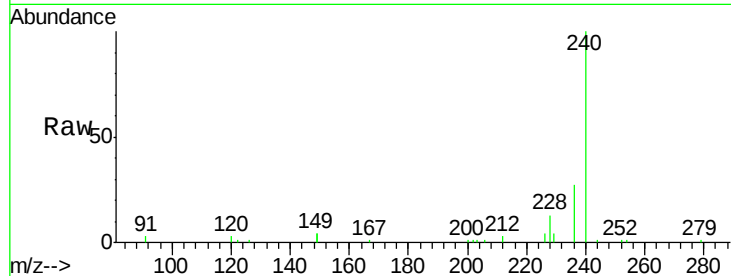




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.37 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: BE099476.D
 Acq: 1 May 2019 23:10

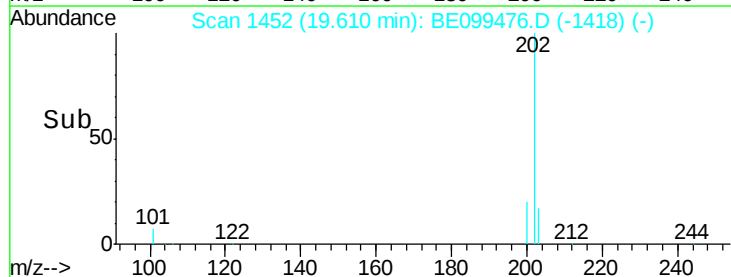
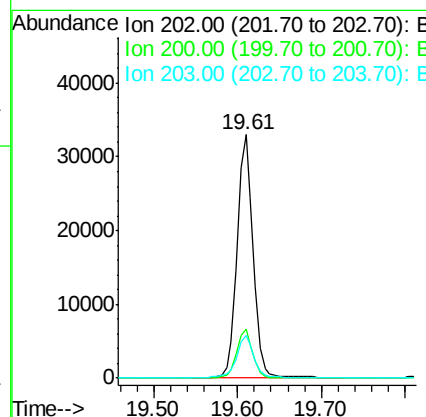
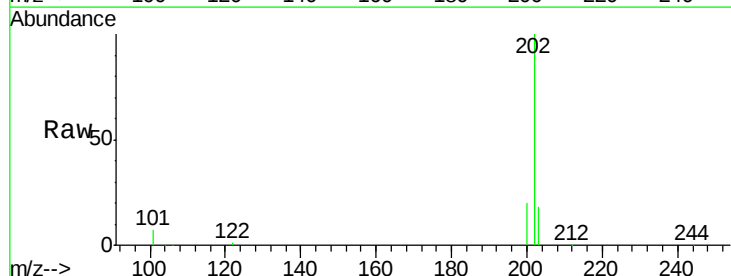
Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B194-042519MSD

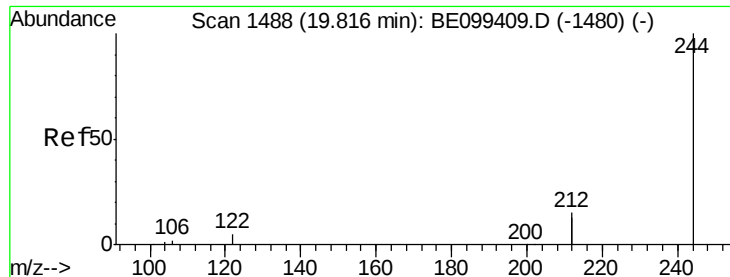
Tot Ion:240 Resp: 25679
 Ion Ratio Lower Upper
 240 100
 120 3.0 4.0 6.0#
 236 26.6 22.0 33.0



#28
 Pyrene
 Concen: 0.650 ng
 RT: 19.61 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BE099476.D
 Acq: 1 May 2019 23:10

Tgt Ion:202 Resp: 43524
 Ion Ratio Lower Upper
 202 100
 200 19.7 15.7 23.5
 203 18.1 13.9 20.9





#29

Terphenyl-d14

Concen: 0.475 ng

RT: 19.81 min Scan# 1487

Delta R.T. -0.01 min

Lab File: BE099476.D

Acq: 1 May 2019 23:10

Instrument :

BNA_E

ClientSampleId :

PST-001-B194-042519MSD

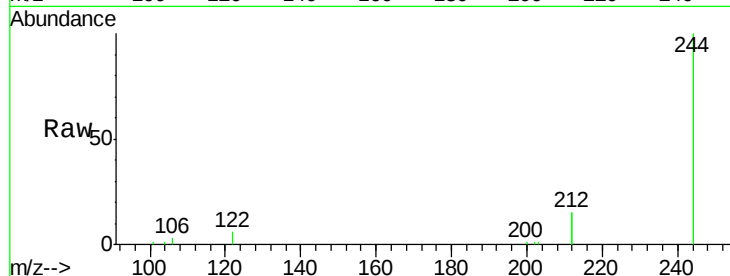
Tot Ion:244 Resp: 22361

Ion Ratio Lower Upper

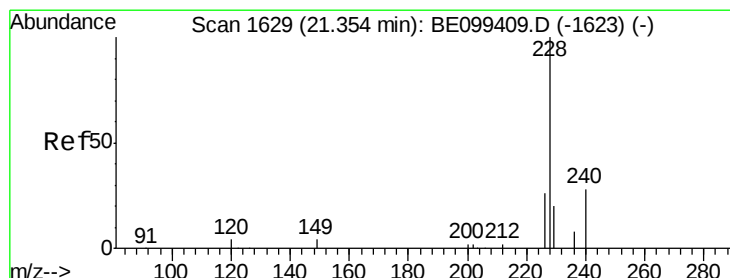
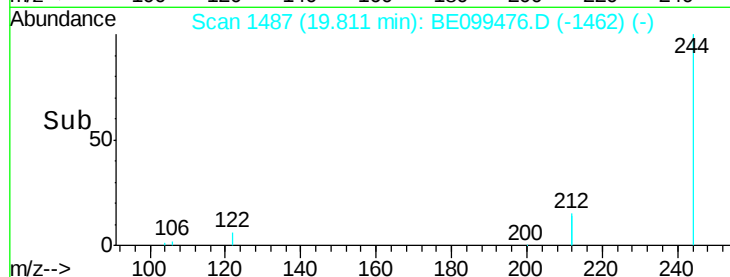
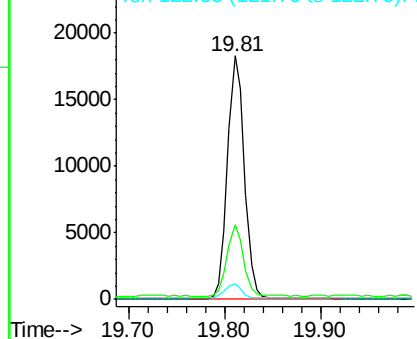
244 100

212 30.4 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: 0.549 ng

RT: 21.34 min Scan# 1628

Delta R.T. -0.01 min

Lab File: BE099476.D

Acq: 1 May 2019 23:10

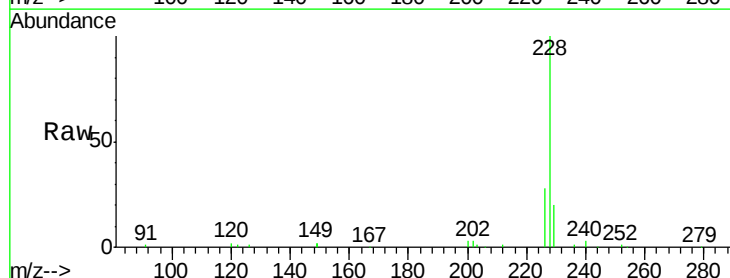
Tgt Ion:228 Resp: 44935

Ion Ratio Lower Upper

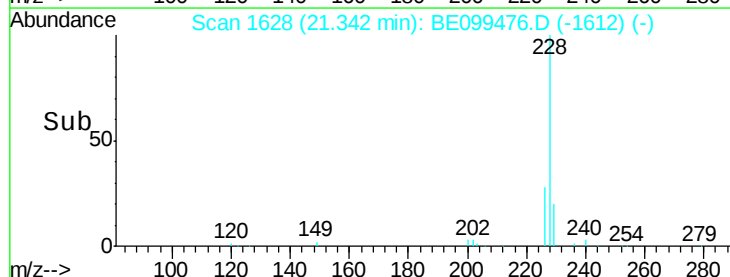
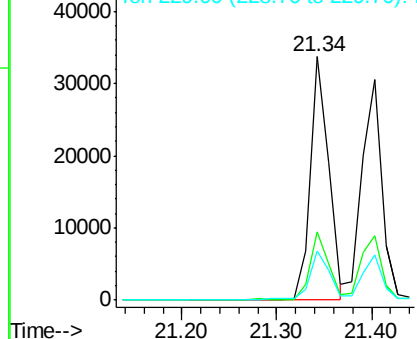
228 100

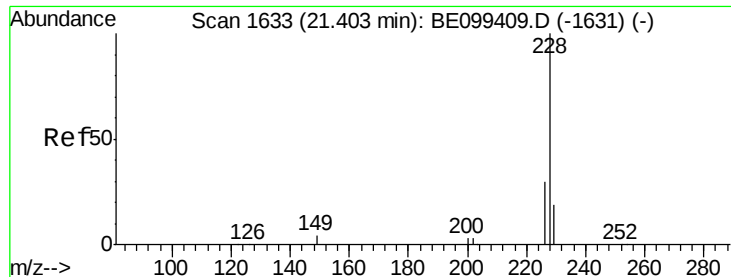
226 28.1 21.0 31.6

229 20.0 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: 0.555 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE099476.D

Acq: 1 May 2019 23:10

Instrument :

BNA_E

ClientSampleId :

PST-001-B194-042519MSD

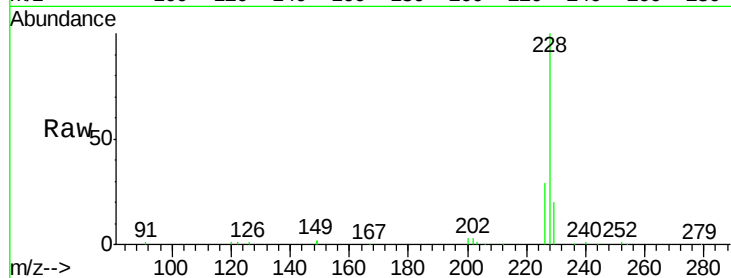
Tot Ion:228 Resp: 44430

Ion Ratio Lower Upper

228 100

226 29.3 24.0 36.0

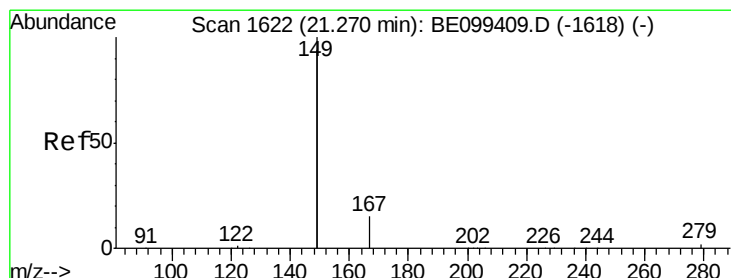
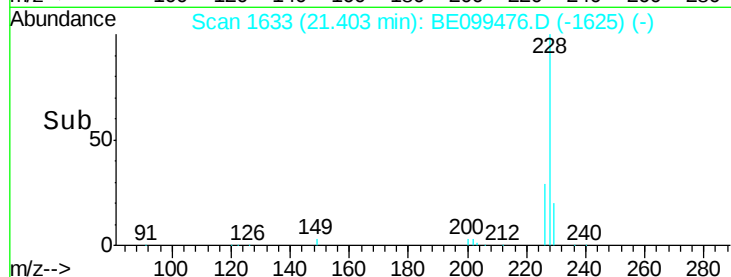
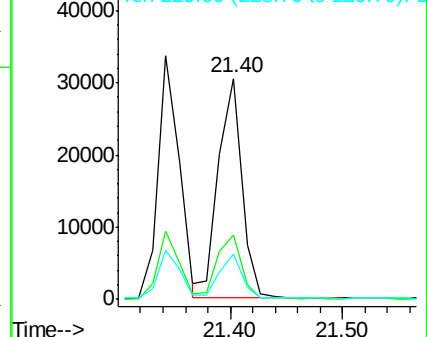
229 20.3 15.8 23.8



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: 0.577 ng

RT: 21.26 min Scan# 1621

Delta R.T. -0.01 min

Lab File: BE099476.D

Acq: 1 May 2019 23:10

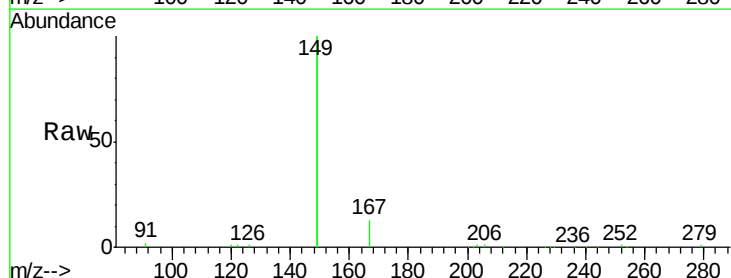
Tgt Ion:149 Resp: 74842

Ion Ratio Lower Upper

149 100

167 7.4 5.8 8.6

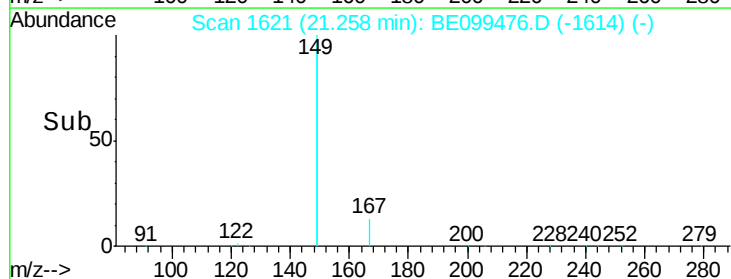
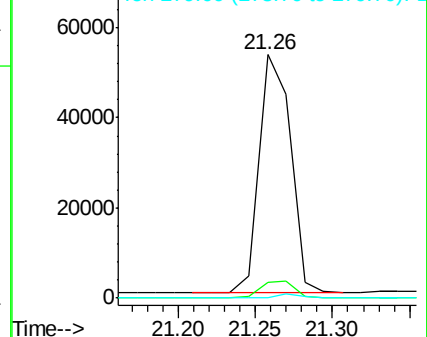
279 1.5 1.0 1.6



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: 0.508 ng

RT: 26.51 min Scan# 2935

Delta R.T. -0.01 min

Lab File: BE099476.D

Acq: 1 May 2019 23:10

Instrument :

BNA_E

ClientSampleId :

PST-001-B194-042519MSD

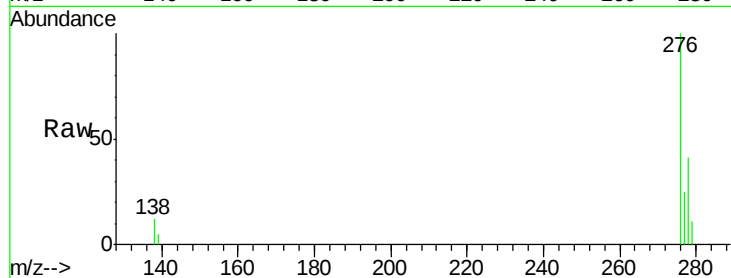
Tot Ion:276 Resp: 48114

Ion Ratio Lower Upper

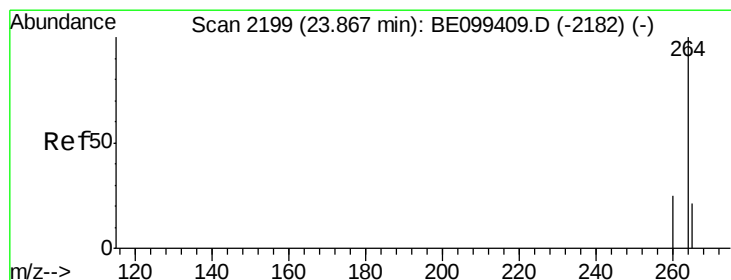
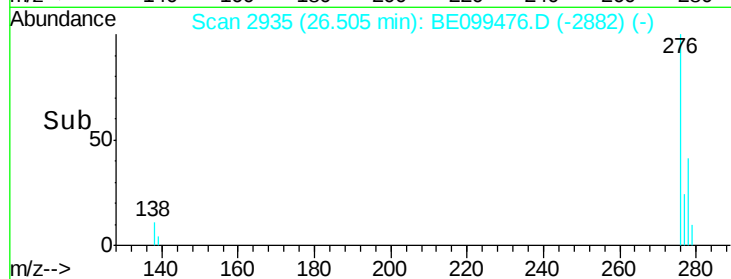
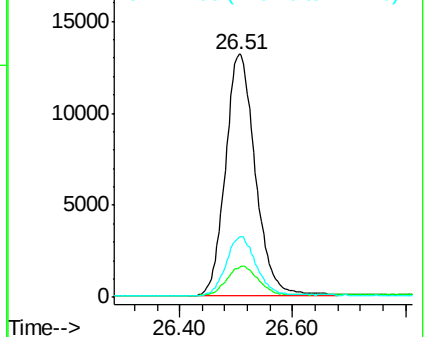
276 100

138 12.6 10.2 15.2

277 24.4 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: BE099476.D

Acq: 1 May 2019 23:10

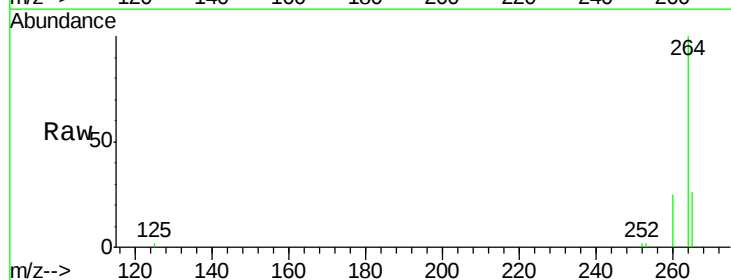
Tgt Ion:264 Resp: 28984

Ion Ratio Lower Upper

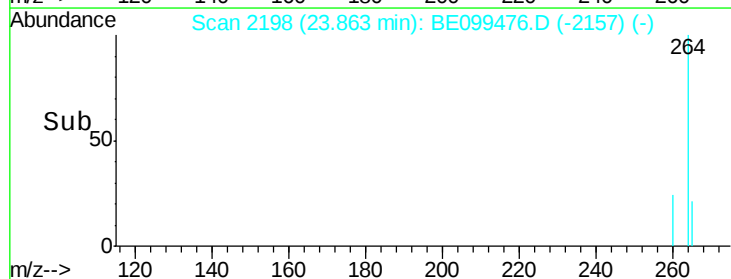
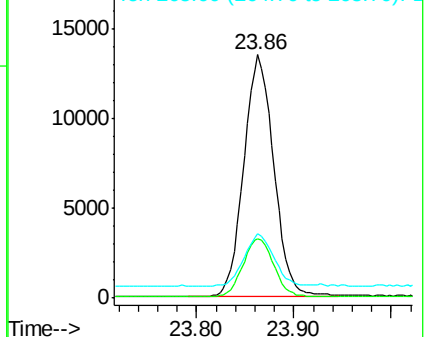
264 100

260 24.6 20.2 30.2

265 26.2 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: 0.519 ng

RT: 23.09 min Scan# 1982

Delta R.T. -0.00 min

Lab File: BE099476.D

Acq: 1 May 2019 23:10

Instrument :

BNA_E

ClientSampleId :

PST-001-B194-042519MSD

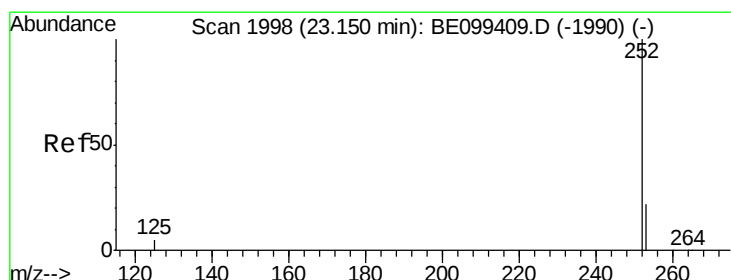
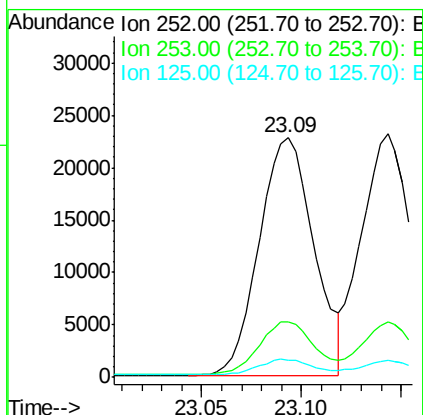
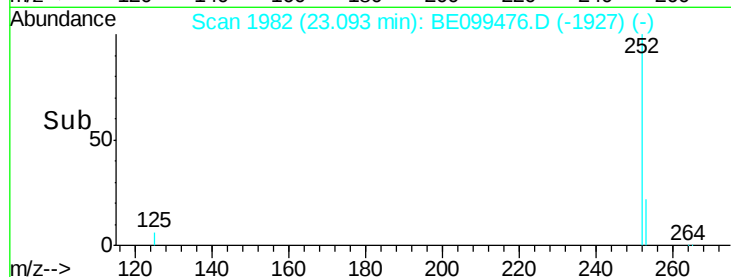
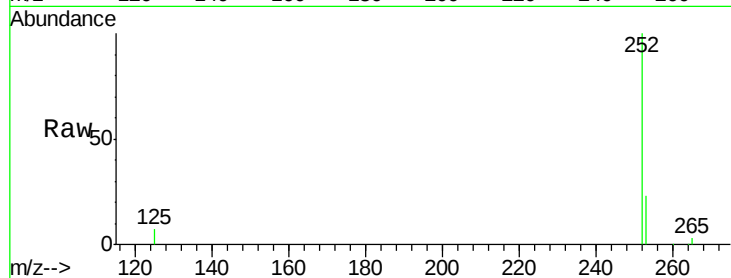
Tot Ion:252 Resp: 43396

Ion Ratio Lower Upper

252 100

253 23.2 18.1 27.1

125 7.1 5.6 8.4



#36

Benzo(k)fluoranthene

Concen: 0.516 ng

RT: 23.14 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BE099476.D

Acq: 1 May 2019 23:10

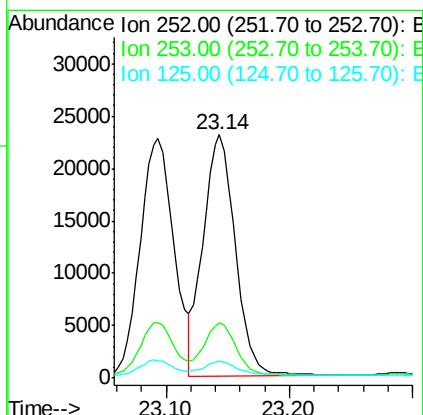
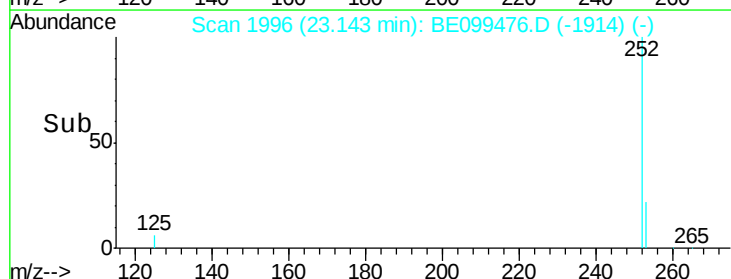
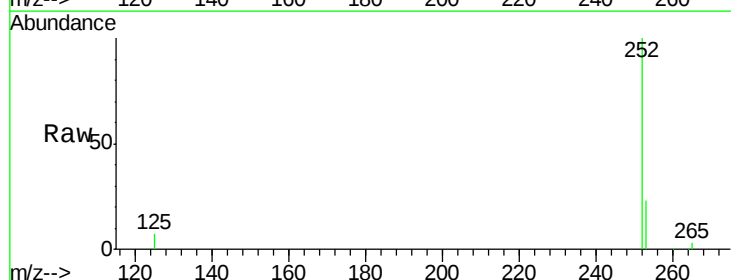
Tgt Ion:252 Resp: 41592

Ion Ratio Lower Upper

252 100

253 22.7 18.4 27.6

125 6.8 5.0 7.4





#37

Benzo(a)pyrene

Concen: 0.524 ng

RT: 23.75 min Scan# 2167

Delta R.T. -0.00 min

Lab File: BE099476.D

Acq: 1 May 2019 23:10

Instrument :

BNA_E

ClientSampleId :

PST-001-B194-042519MSD

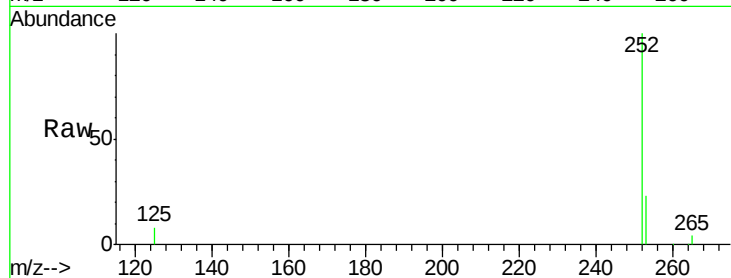
Tot Ion:252 Resp: 41381

Ion Ratio Lower Upper

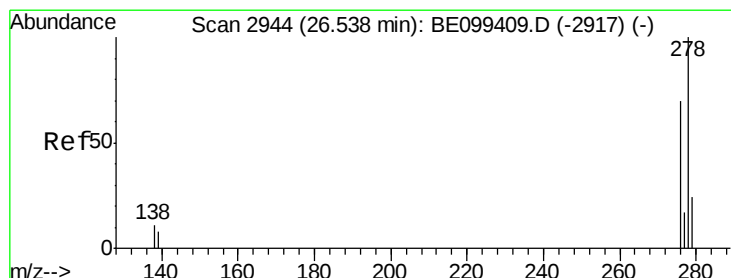
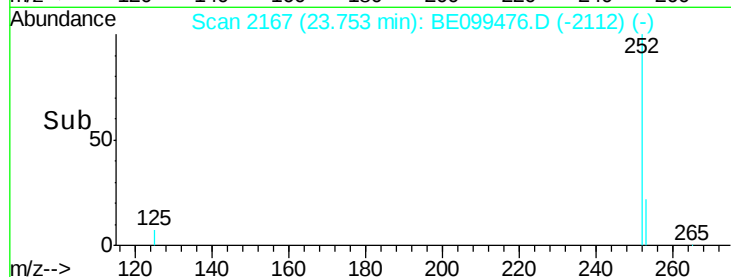
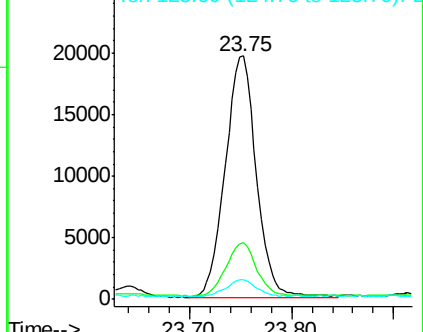
252 100

253 23.1 18.9 28.3

125 8.0 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: 0.476 ng

RT: 26.53 min Scan# 2942

Delta R.T. -0.01 min

Lab File: BE099476.D

Acq: 1 May 2019 23:10

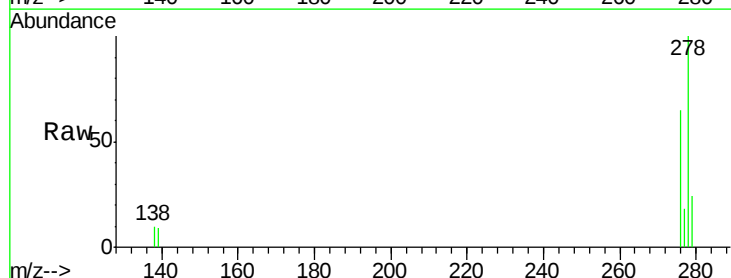
Tgt Ion:278 Resp: 38494

Ion Ratio Lower Upper

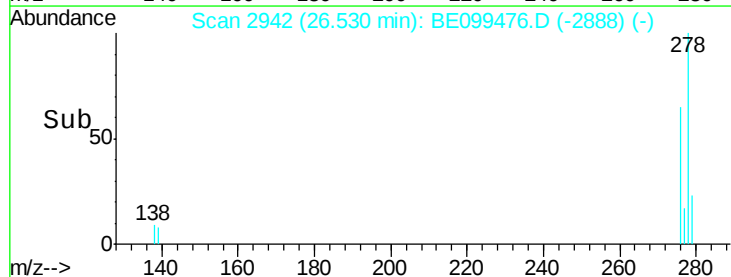
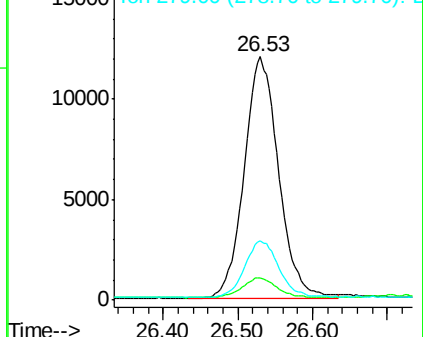
278 100

139 8.9 7.7 11.5

279 24.3 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: 0.503 ng

RT: 27.33 min Scan# 3166

Delta R.T. -0.00 min

Lab File: BE099476.D

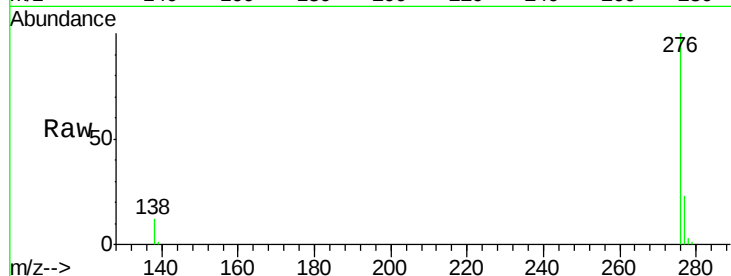
Acq: 1 May 2019 23:10

Instrument :

BNA_E

ClientSampleId :

PST-001-B194-042519MSD



Tot Ion: 276 Resp: 40712

Ion Ratio Lower Upper

276 100

277 23.4 19.5 29.3

138 11.8 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

