

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050219\
 Data File : BE099494.D
 Acq On : 2 May 2019 15:42
 Operator : JU/SJ
 Sample : K2589-15MSD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: May 03 02:09:44 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	2142	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	6814	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	4673	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	14721	0.40	ng	0.00
27) Chrysene-d12	21.37	240	23901	0.40	ng	0.00
34) Perylene-d12	23.87	264	27575	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.39	112	1549	0.26	ng	0.00
5) Phenol-d6	6.97	99	2145	0.27	ng	0.00
8) Nitrobenzene-d5	8.97	82	1769	0.28	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	3612	0.29	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1035	0.35	ng	0.00
15) 2-Fluorobiphenyl	13.07	172	4395	0.25	ng	-0.01
25) Fluoranthene-d10	19.22	212	52989	0.27	ng	0.00
29) Terphenyl-d14	19.82	244	11436	0.26	ng	0.00

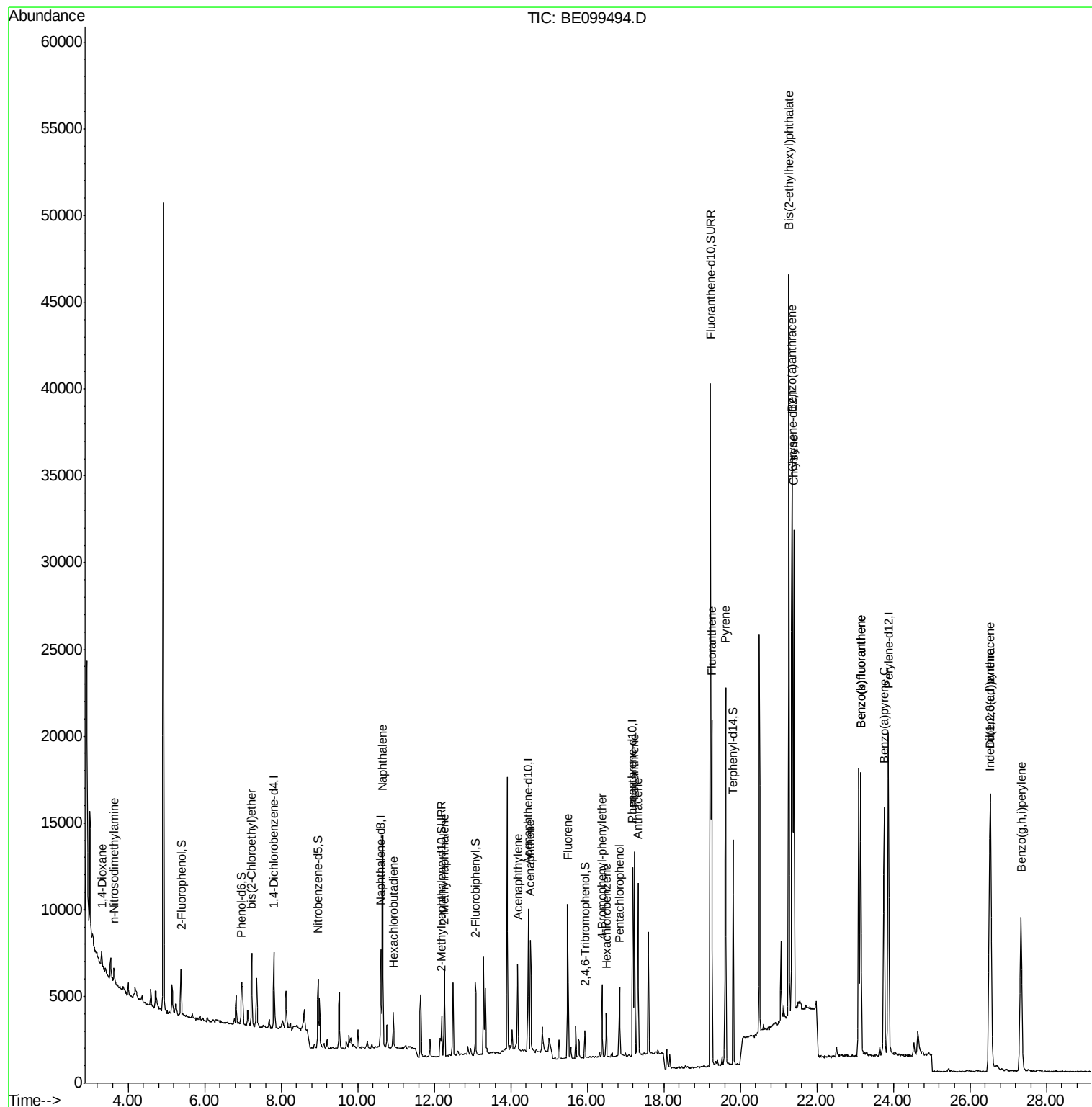
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.31	88	630	0.214	ng	# 59
3) n-Nitrosodimethylamine	3.63	42	538	0.303	ng	# 89
6) bis(2-Chloroethyl)ether	7.23	93	1613	0.237	ng	99
9) Naphthalene	10.65	128	20244	0.273	ng	100
10) Hexachlorobutadiene	10.93	225	1360	0.263	ng	96
12) 2-Methylnaphthalene	12.27	142	3404	0.264	ng	95
16) Acenaphthylene	14.18	152	6313	0.276	ng	97
17) Acenaphthene	14.51	154	3398	0.260	ng	98
18) Fluorene	15.49	166	5158	0.268	ng	99
20) 4-Bromophenyl-phenylether	16.39	248	2156	0.252	ng	95
21) Hexachlorobenzene	16.49	284	1947	0.238	ng	98
22) Pentachlorophenol	16.84	266	2177	0.659	ng	95
23) Phenanthrene	17.23	178	12222	0.322	ng	99
24) Anthracene	17.32	178	10201	0.282	ng	99
26) Fluoranthene	19.25	202	19100	0.336	ng	100
28) Pyrene	19.61	202	20591	0.331	ng	99
30) Benzo(a)anthracene	21.35	228	24085	0.316	ng	100
31) Chrysene	21.40	228	23641	0.317	ng	99
32) Bis(2-ethylhexyl)phthalate	21.27	149	46734	0.363	ng	99
33) Indeno(1,2,3-cd)pyrene	26.52	276	27363	0.311	ng	# 94
35) Benzo(b)fluoranthene	23.15	252	23701	0.298	ng	98
36) Benzo(k)fluoranthene	23.15	252	23701	0.309	ng	# 98
37) Benzo(a)pyrene	23.76	252	22801	0.303	ng	# 96
38) Dibenzo(a,h)anthracene	26.54	278	22601	0.294	ng	99
39) Benzo(g,h,i)perylene	27.34	276	23455	0.304	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: BE099494.D

Acq: 2 May 2019 15:42

Instrument :

BNA_E

ClientSampleId :

PST-001-B186-042419MSD

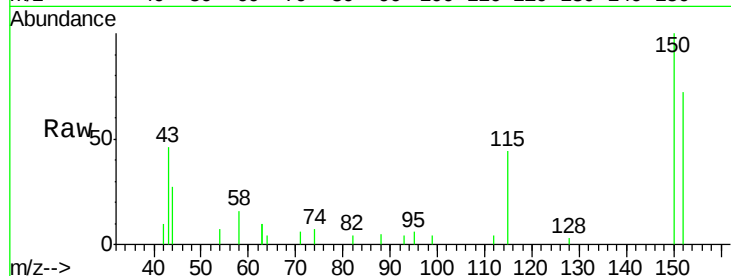
Tot Ion:152 Resp: 2142

Ion Ratio Lower Upper

152 100

150 139.6 104.8 157.2

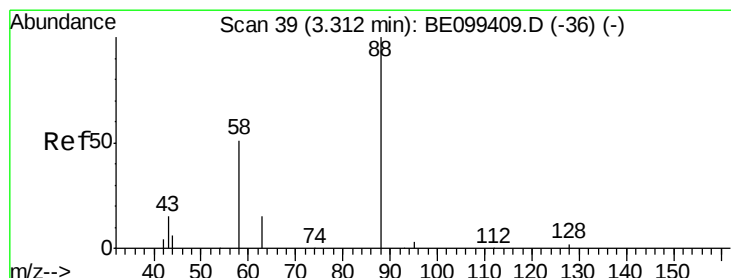
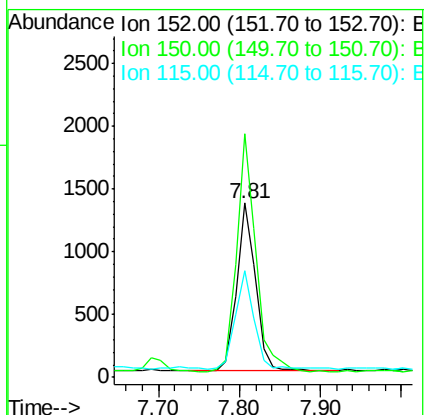
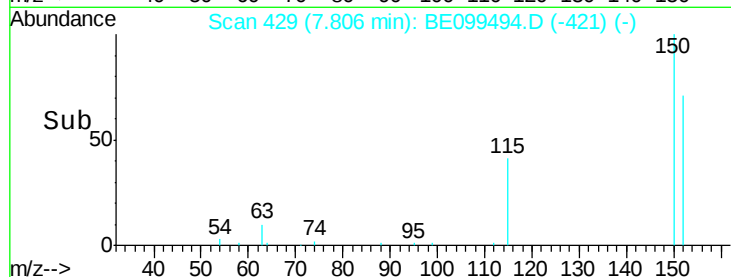
115 61.5 46.6 69.8



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: 0.214 ng

RT: 3.31 min Scan# 39

Delta R.T. 0.00 min

Lab File: BE099494.D

Acq: 2 May 2019 15:42

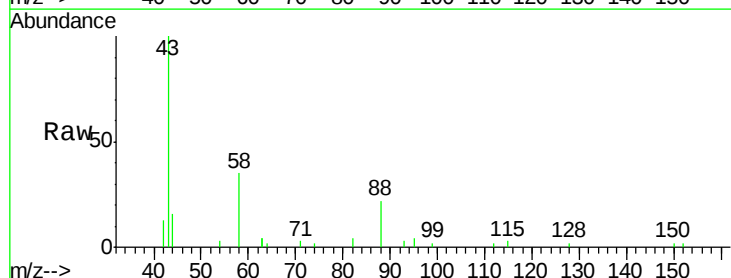
Tgt Ion: 88 Resp: 630

Ion Ratio Lower Upper

88 100

58 92.9 51.0 76.6#

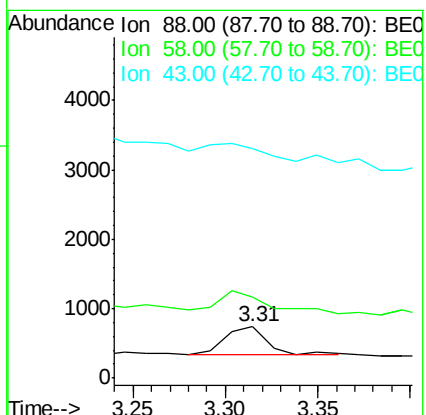
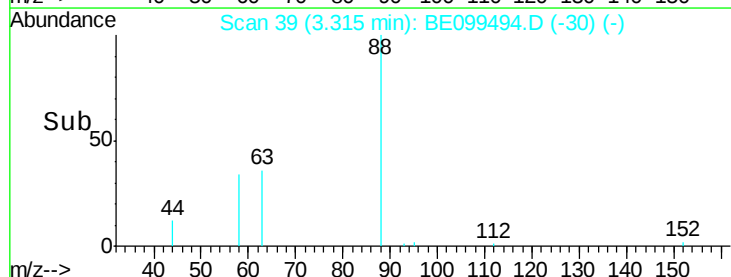
43 0.0 20.6 30.8#



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



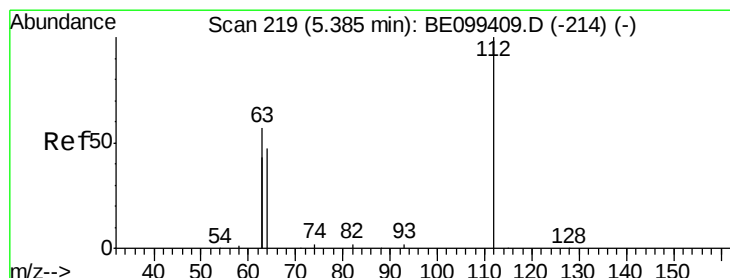
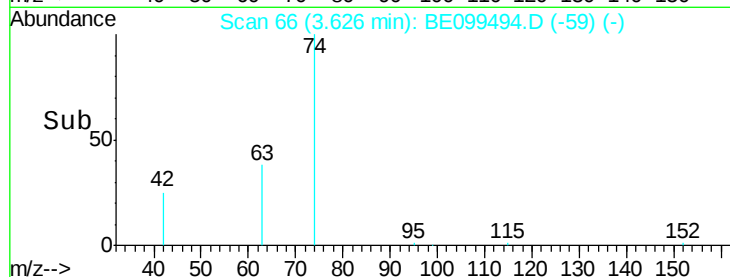
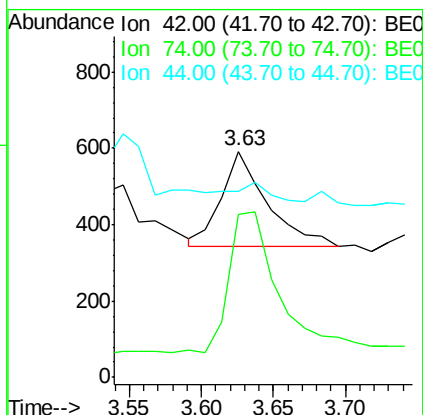
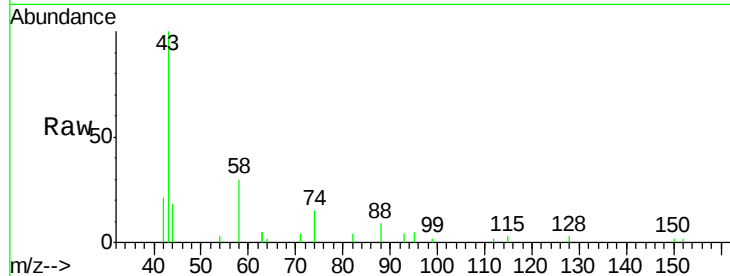


#3

n-Nitrosodimethylamine
 Concen: 0.303 ng
 RT: 3.63 min Scan# 66
 Delta R.T. -0.02 min
 Lab File: BE099494.D
 Acq: 2 May 2019 15:42

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

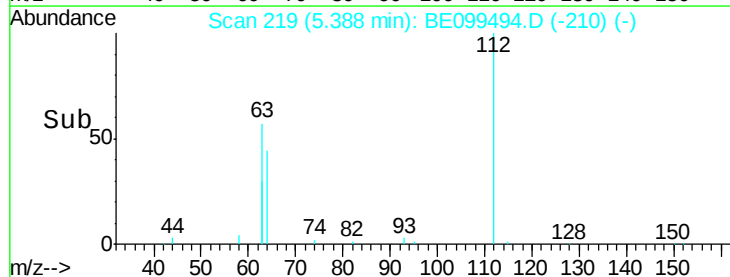
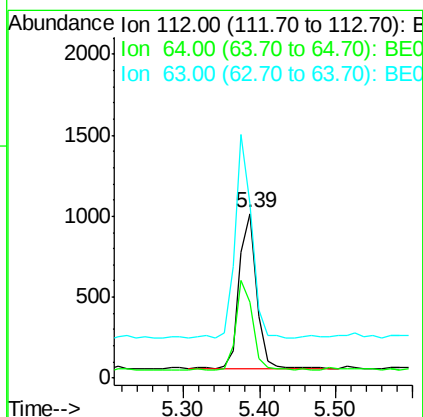
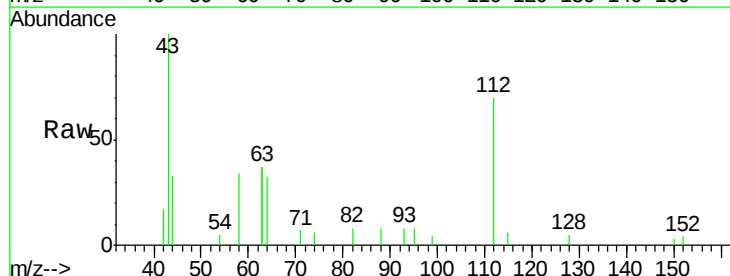
Tot Ion: 42 Resp: 538
 Ion Ratio Lower Upper
 42 100
 74 161.3 141.6 212.4
 44 8.9 0.0 0.0#



#4

2-Fluorophenol
 Concen: 0.262 ng
 RT: 5.39 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: BE099494.D
 Acq: 2 May 2019 15:42

Tgt Ion: 112 Resp: 1549
 Ion Ratio Lower Upper
 112 100
 64 56.0 47.4 71.0
 63 126.5 104.3 156.5





#5

Phenol-d6

Concen: 0.272 ng

RT: 6.97 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099494.D

Acq: 2 May 2019 15:42

Instrument :

BNA_E

ClientSampleId :

PST-001-B186-042419MSD

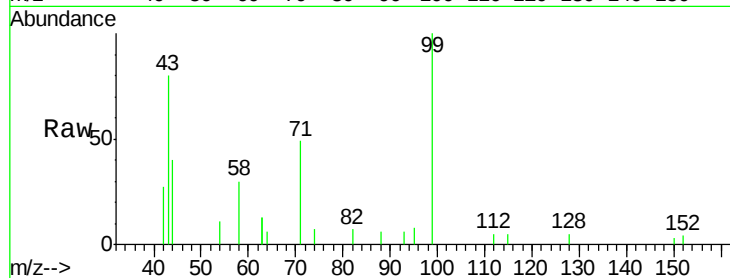
Tot Ion: 99 Resp: 2145

Ion Ratio Lower Upper

99 100

42 22.1 14.9 22.3

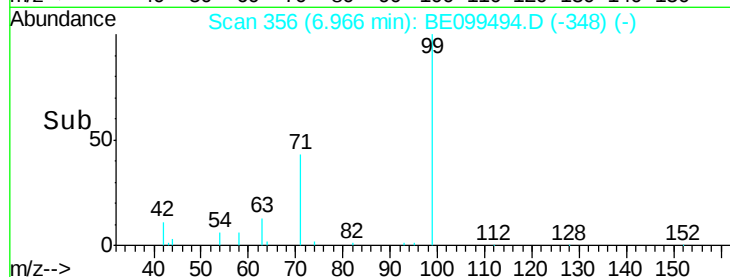
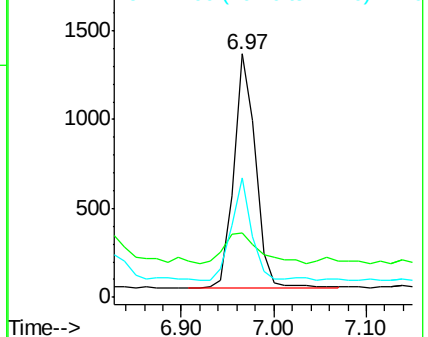
71 40.6 33.0 49.6



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: 0.237 ng

RT: 7.23 min Scan# 379

Delta R.T. -0.01 min

Lab File: BE099494.D

Acq: 2 May 2019 15:42

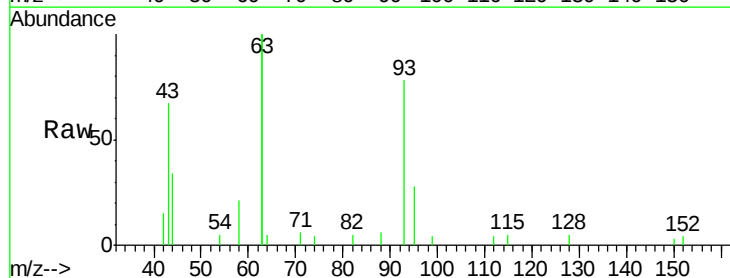
Tgt Ion: 93 Resp: 1613

Ion Ratio Lower Upper

93 100

63 269.4 215.6 323.4

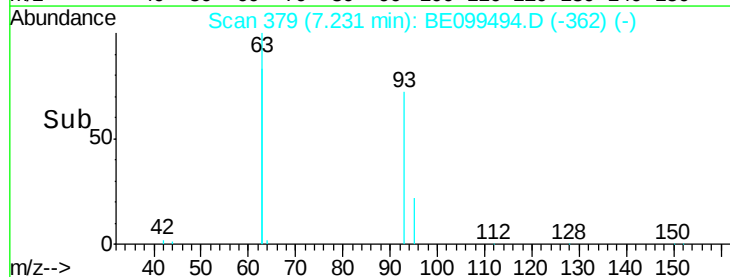
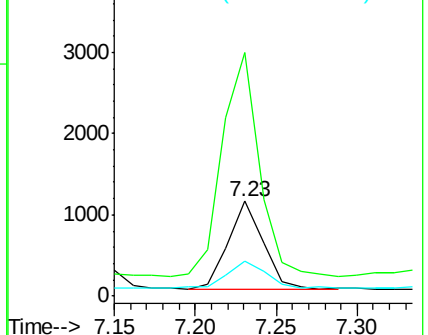
95 36.0 26.2 39.2



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: 10.60 min Scan# 649

Delta R.T. 0.00 min

Lab File: BE099494.D

Acq: 2 May 2019 15:42

Instrument :

BNA_E

ClientSampleId :

PST-001-B186-042419MSD

Tot Ion:136 Resp: 6814

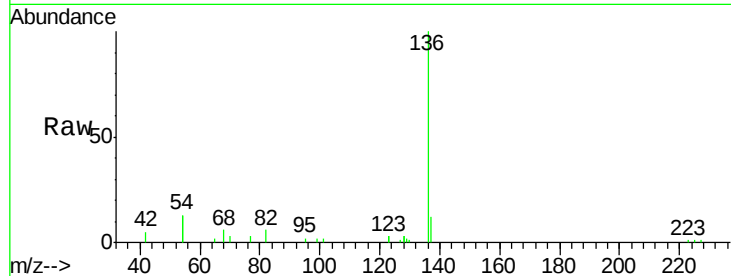
Ion Ratio Lower Upper

136 100

137 12.5 9.8 14.8

54 26.3 18.5 27.7

68 6.2 4.7 7.1

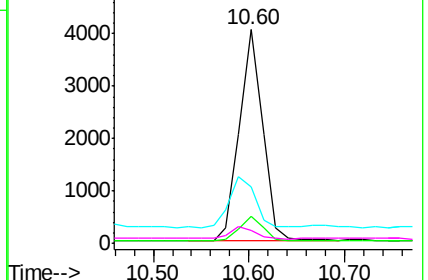
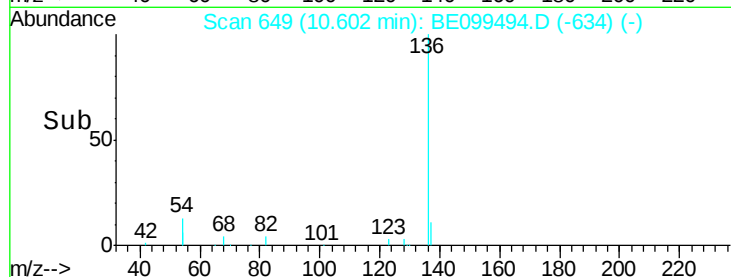


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.277 ng

RT: 8.97 min Scan# 523

Delta R.T. 0.00 min

Lab File: BE099494.D

Acq: 2 May 2019 15:42

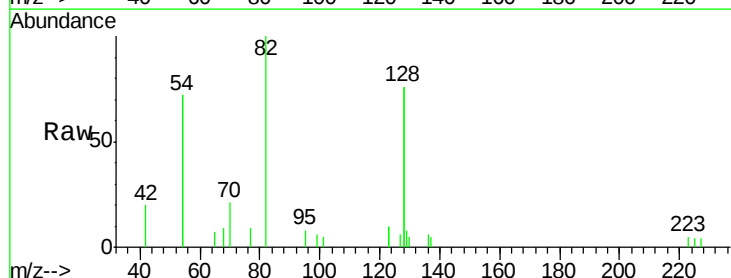
Tgt Ion: 82 Resp: 1769

Ion Ratio Lower Upper

82 100

128 151.5 107.0 160.4

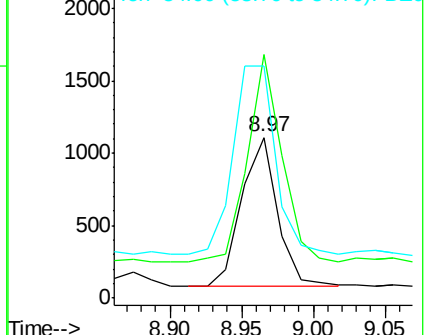
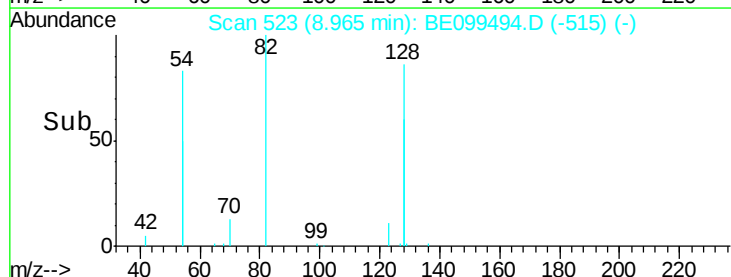
54 144.8 113.1 169.7

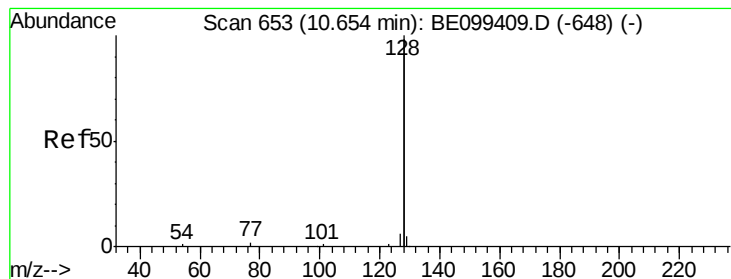


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.273 ng

RT: 10.65 min Scan# 653

Delta R.T. 0.00 min

Lab File: BE099494.D

Acq: 2 May 2019 15:42

Instrument :

BNA_E

ClientSampleId :

PST-001-B186-042419MSD

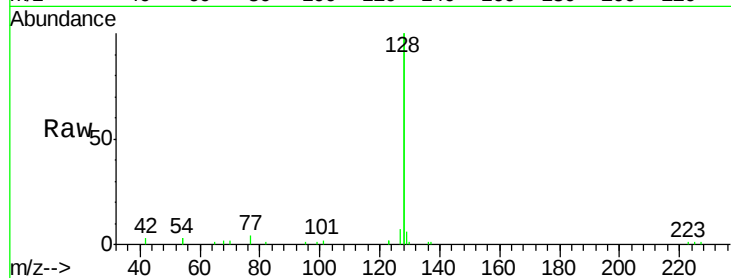
Tot Ion:128 Resp: 20244

Ion Ratio Lower Upper

128 100

129 3.0 2.4 3.6

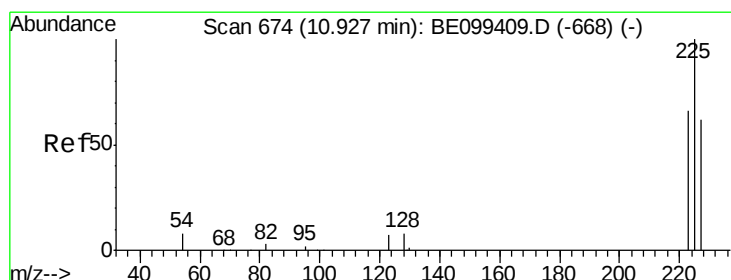
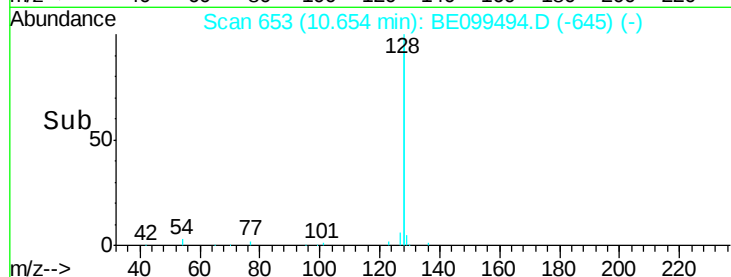
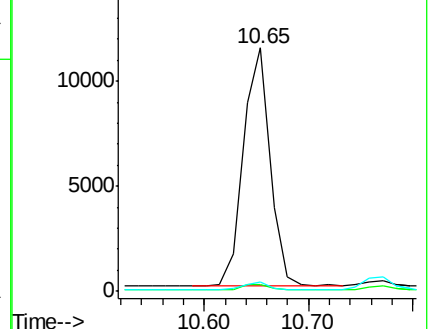
127 3.6 2.8 4.2



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: 0.263 ng

RT: 10.93 min Scan# 674

Delta R.T. 0.00 min

Lab File: BE099494.D

Acq: 2 May 2019 15:42

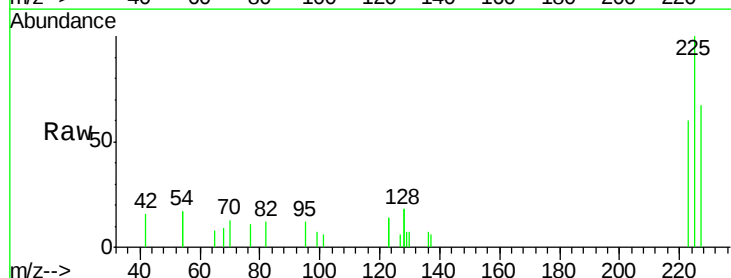
Tgt Ion:225 Resp: 1360

Ion Ratio Lower Upper

225 100

223 58.2 51.0 76.6

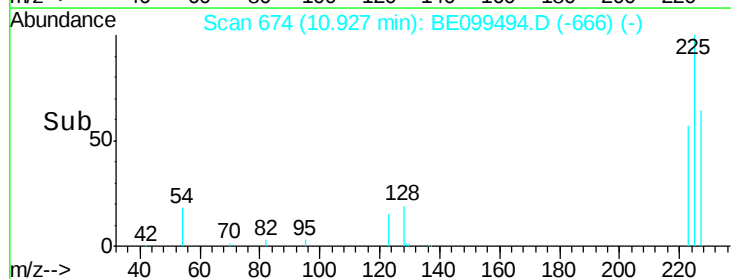
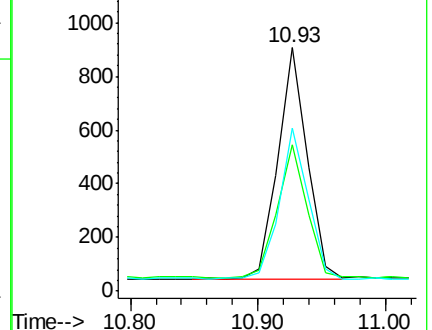
227 64.3 50.9 76.3

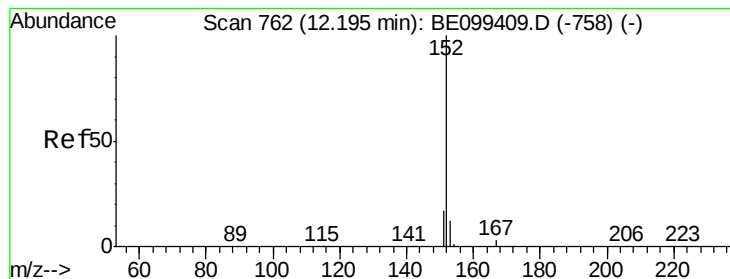


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.294 ng

RT: 12.19 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE099494.D

Acq: 2 May 2019 15:42

Instrument :

BNA_E

ClientSampleId :

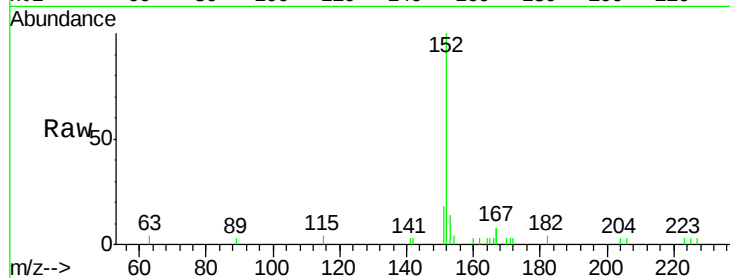
PST-001-B186-042419MSD

Tot Ion:152 Resp: 3612

Ion Ratio Lower Upper

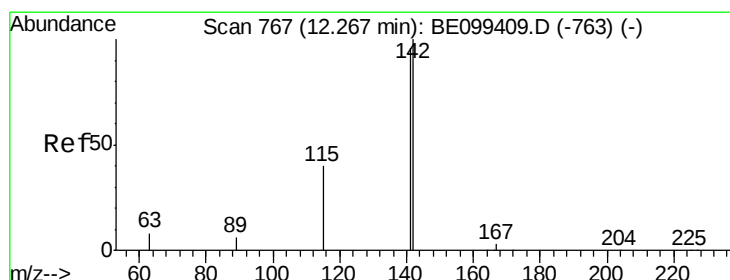
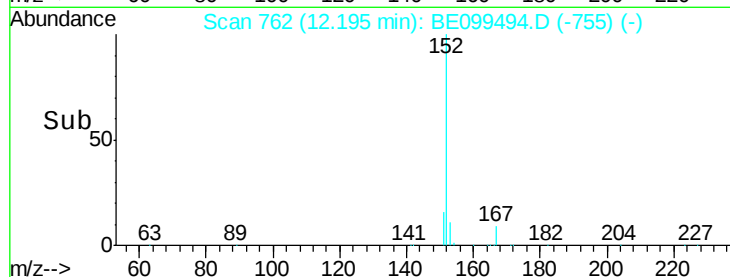
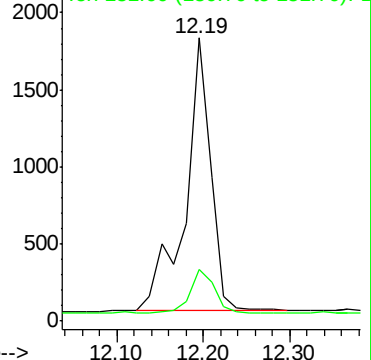
152 100

151 15.3 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: 0.264 ng

RT: 12.27 min Scan# 767

Delta R.T. -0.00 min

Lab File: BE099494.D

Acq: 2 May 2019 15:42

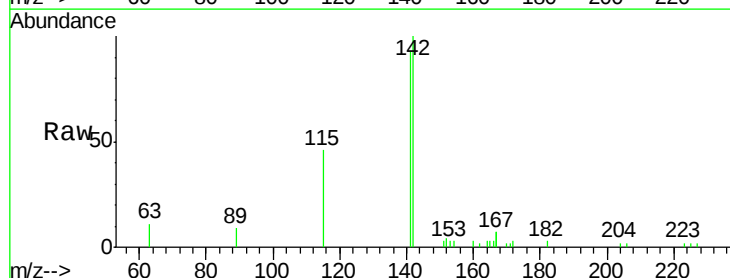
Tgt Ion:142 Resp: 3404

Ion Ratio Lower Upper

142 100

141 92.6 77.0 115.4

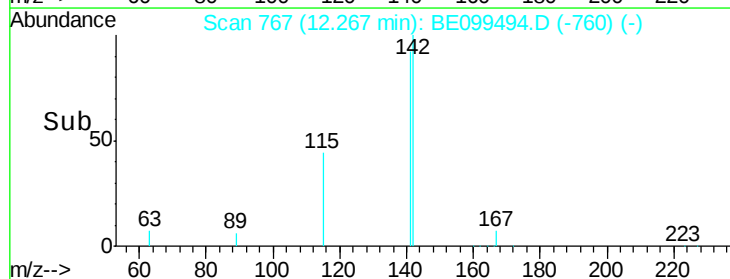
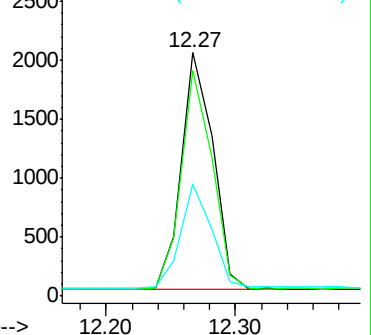
115 46.0 33.4 50.0

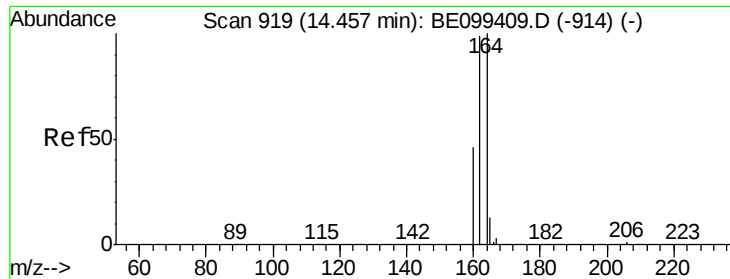


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

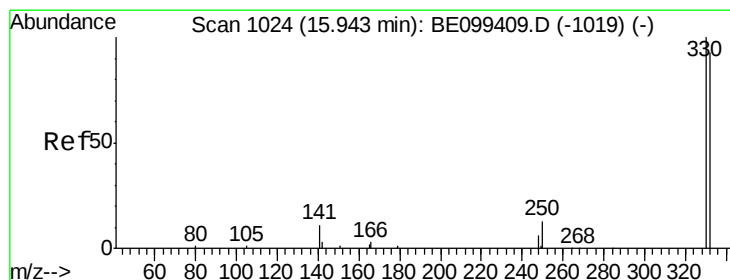
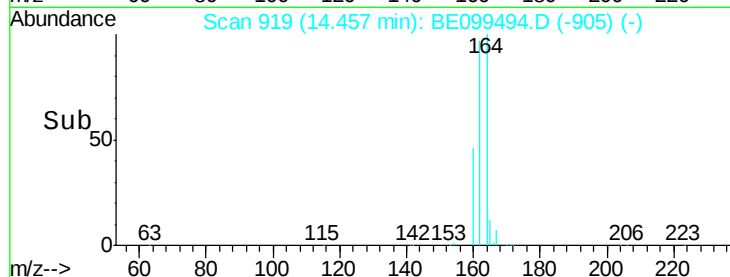
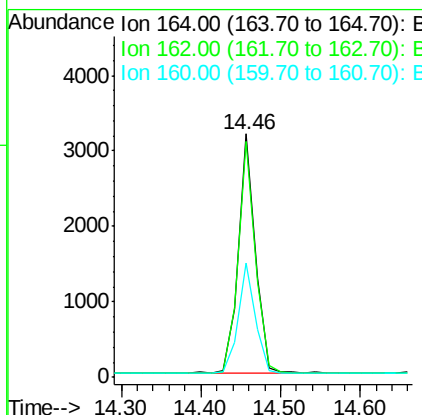
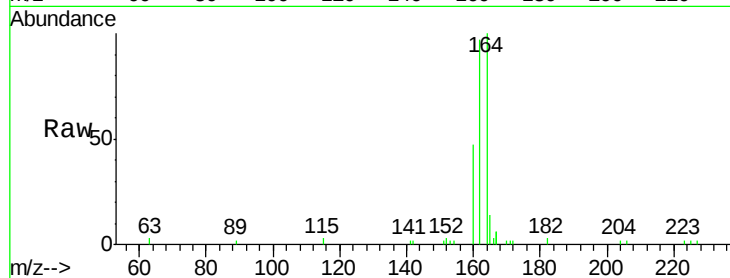




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.46 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: BE099494.D
 Acq: 2 May 2019 15:42

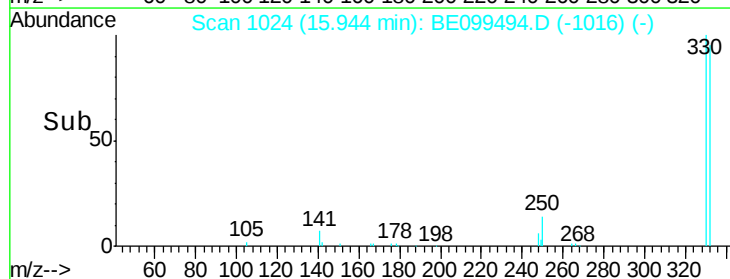
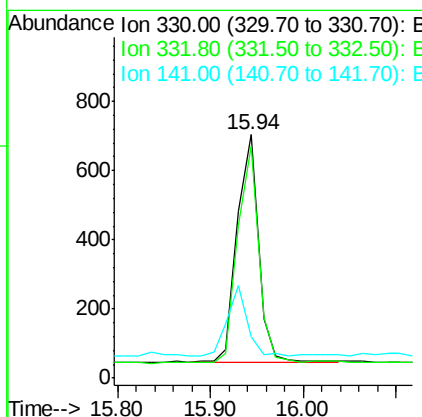
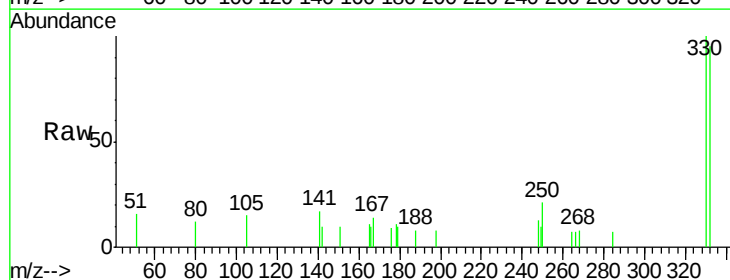
Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B186-042419MSD

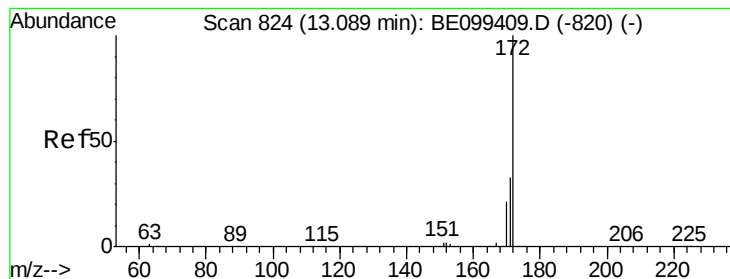
Tot Ion:164 Resp: 4673
 Ion Ratio Lower Upper
 164 100
 162 96.8 79.0 118.4
 160 47.1 37.0 55.4



#14
 2,4,6-Tribromophenol
 Concen: 0.352 ng
 RT: 15.94 min Scan# 1024
 Delta R.T. 0.00 min
 Lab File: BE099494.D
 Acq: 2 May 2019 15:42

Tgt Ion:330 Resp: 1035
 Ion Ratio Lower Upper
 330 100
 332 94.6 71.5 107.3
 141 30.7 24.0 36.0





#15

2-Fluorobiphenyl

Concen: 0.247 ng

RT: 13.07 min Scan# 823

Delta R.T. -0.01 min

Lab File: BE099494.D

Acq: 2 May 2019 15:42

Instrument :

BNA_E

ClientSampleId :

PST-001-B186-042419MSD

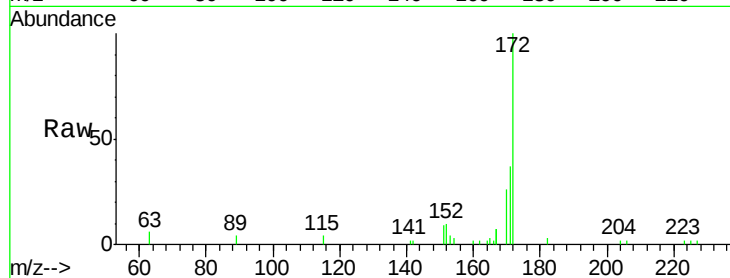
Tot Ion:172 Resp: 4395

Ion Ratio Lower Upper

172 100

171 36.9 26.6 39.8

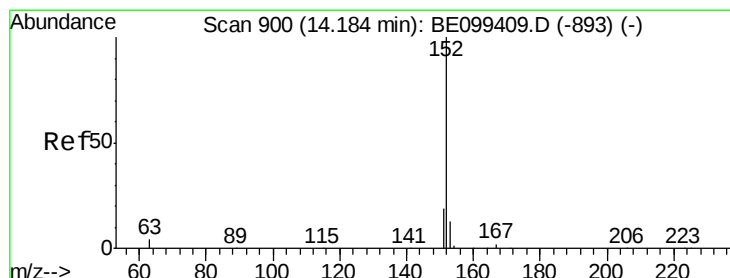
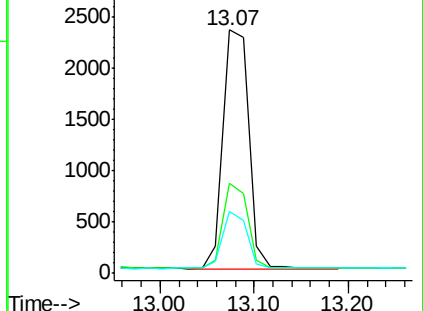
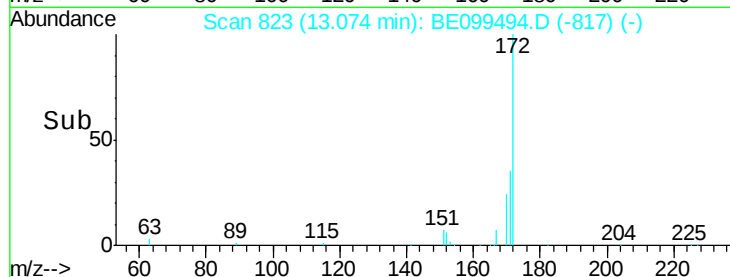
170 25.6 17.0 25.6#



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: 0.276 ng

RT: 14.18 min Scan# 900

Delta R.T. -0.00 min

Lab File: BE099494.D

Acq: 2 May 2019 15:42

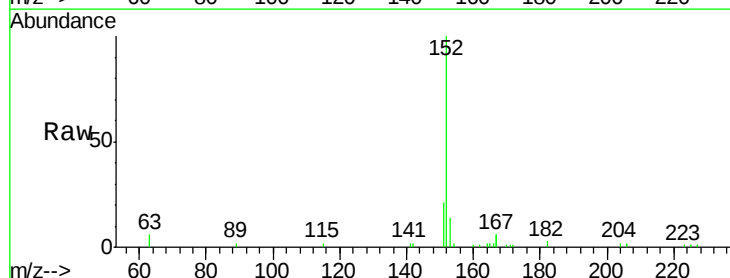
Tgt Ion:152 Resp: 6313

Ion Ratio Lower Upper

152 100

151 20.7 15.4 23.2

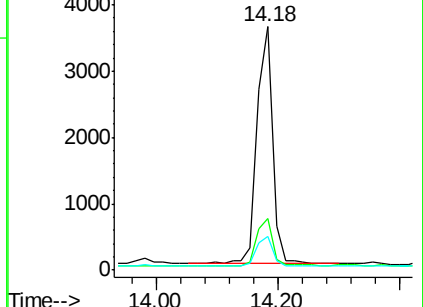
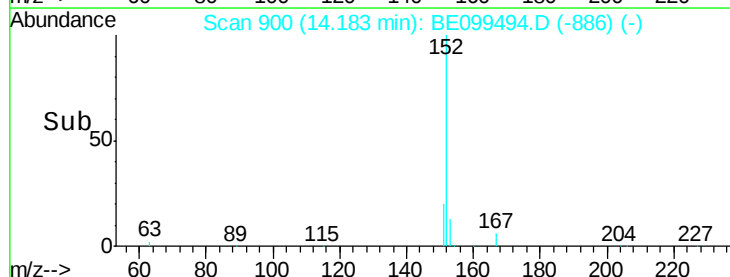
153 13.2 9.8 14.6

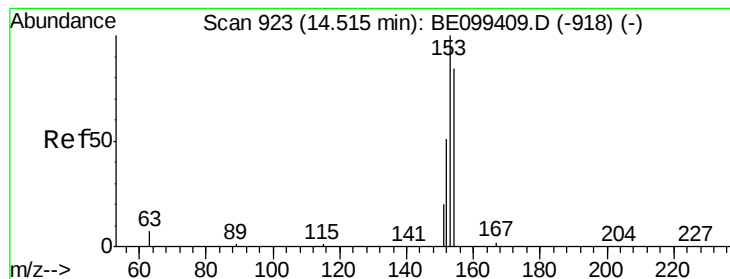


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.260 ng

RT: 14.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: BE099494.D

Acq: 2 May 2019 15:42

Instrument :

BNA_E

ClientSampleId :

PST-001-B186-042419MSD

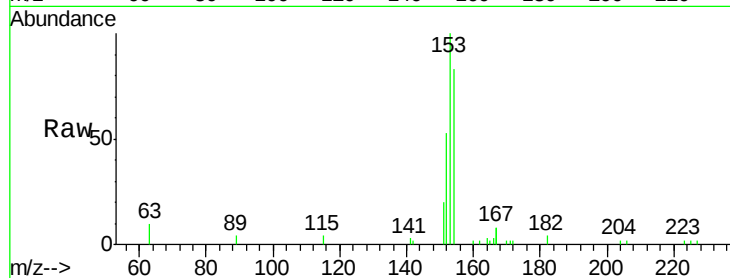
Tot Ion:154 Resp: 3398

Ion Ratio Lower Upper

154 100

153 118.6 92.6 138.8

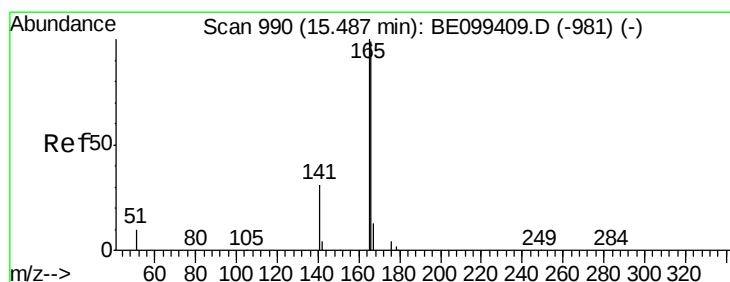
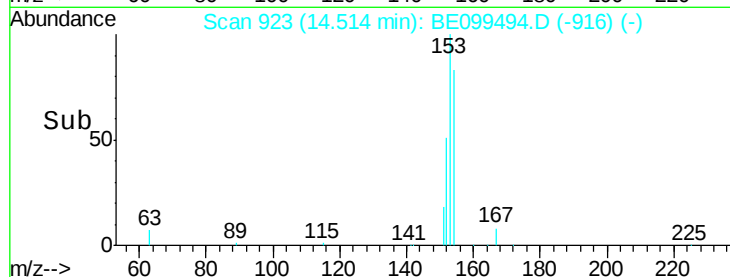
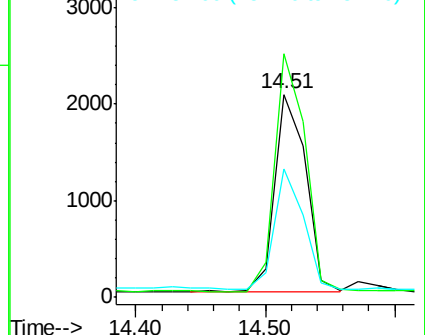
152 57.2 45.8 68.8



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: 0.268 ng

RT: 15.49 min Scan# 990

Delta R.T. 0.00 min

Lab File: BE099494.D

Acq: 2 May 2019 15:42

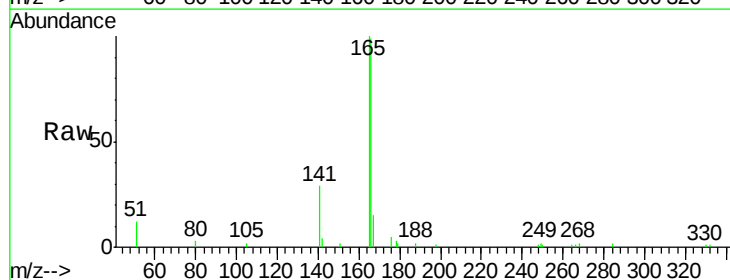
Tgt Ion:166 Resp: 5158

Ion Ratio Lower Upper

166 100

165 100.0 80.3 120.5

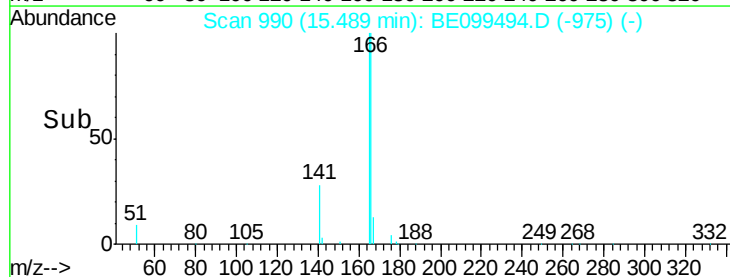
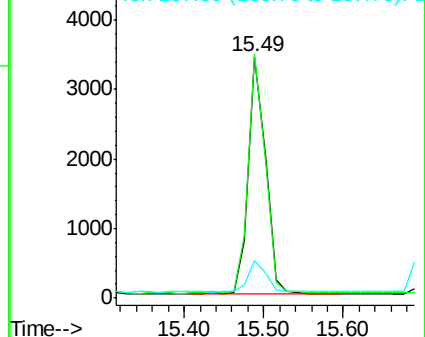
167 14.3 10.7 16.1

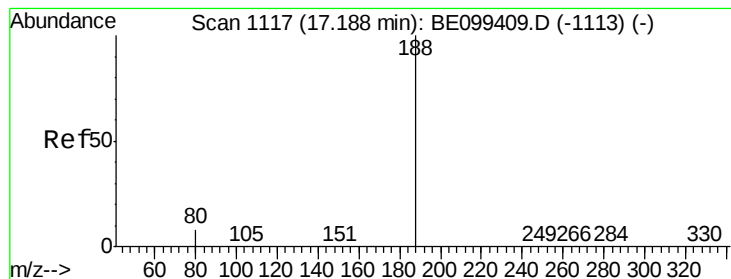


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.19 min Scan# 1117

Delta R.T. 0.00 min

Lab File: BE099494.D

Acq: 2 May 2019 15:42

Instrument :

BNA_E

ClientSampleId :

PST-001-B186-042419MSD

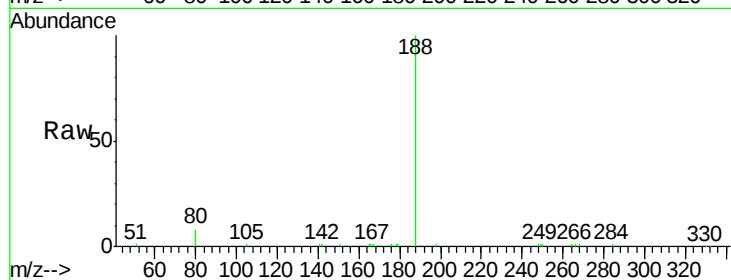
Tot Ion:188 Resp: 14721

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

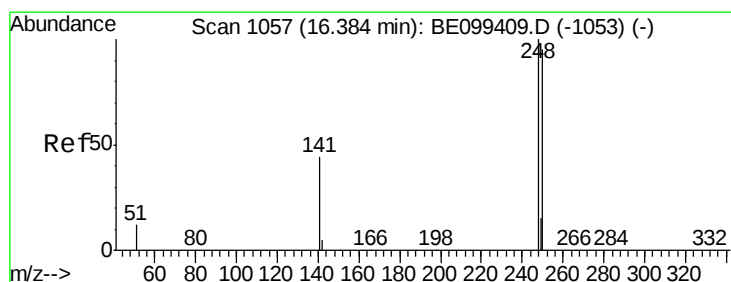
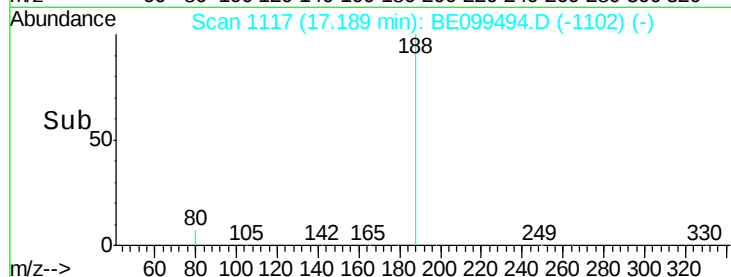
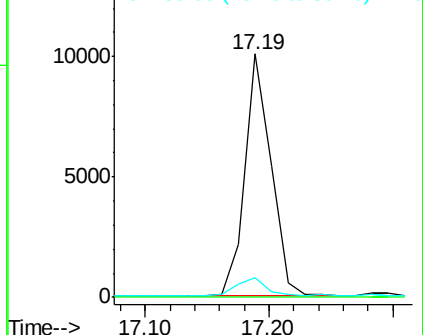
80 7.8 6.7 10.1



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: 0.252 ng

RT: 16.39 min Scan# 1057

Delta R.T. 0.00 min

Lab File: BE099494.D

Acq: 2 May 2019 15:42

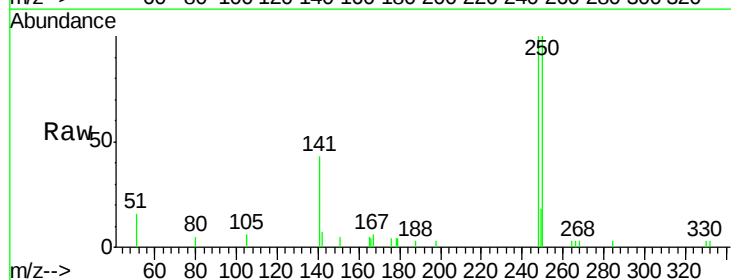
Tgt Ion:248 Resp: 2156

Ion Ratio Lower Upper

248 100

250 100.3 75.8 113.8

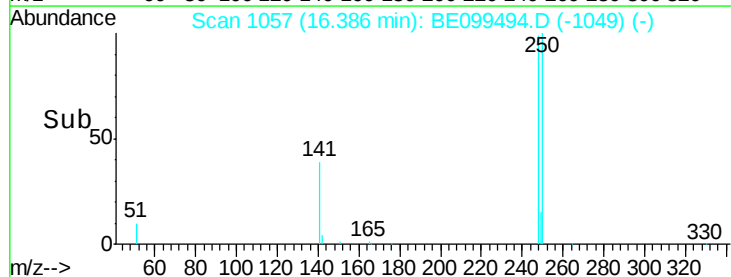
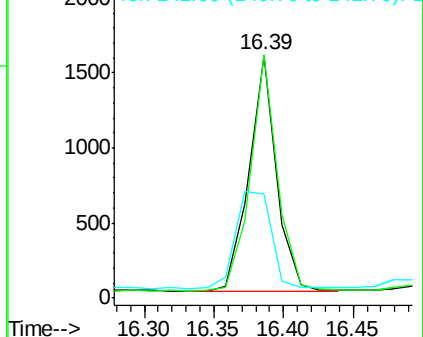
141 42.7 35.7 53.5

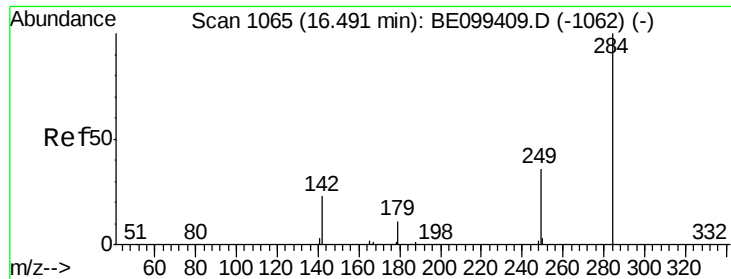


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

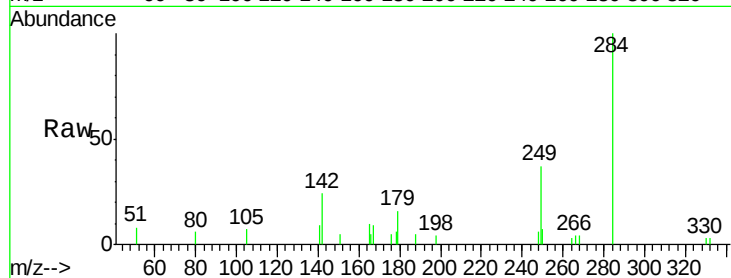




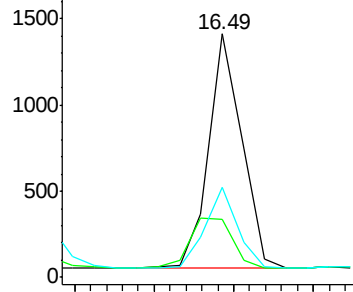
#21
Hexachlorobenzene
Concen: 0.238 ng
RT: 16.49 min Scan# 1065
Delta R.T. 0.00 min
Lab File: BE099494.D
Acq: 2 May 2019 15:42

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

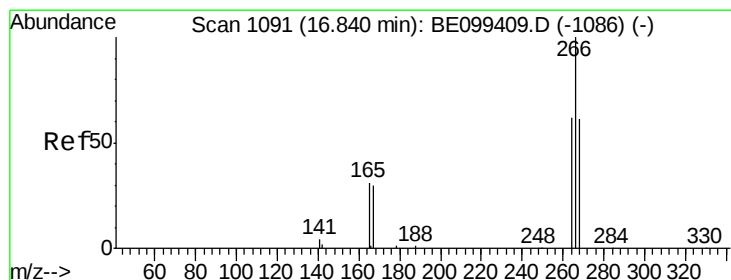
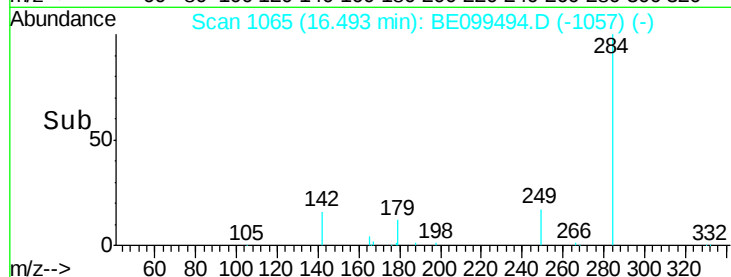
Tot Ion:284 Resp: 1947
Ion Ratio Lower Upper
284 100
142 27.3 21.0 31.6
249 34.5 26.7 40.1



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

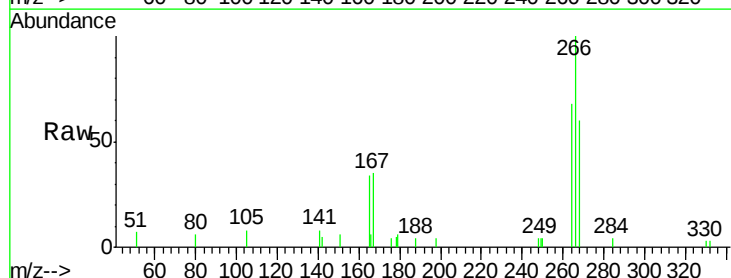


Time-->

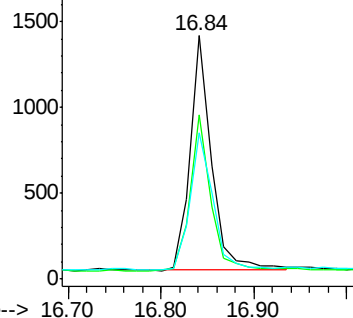


#22
Pentachlorophenol
Concen: 0.659 ng
RT: 16.84 min Scan# 1091
Delta R.T. 0.00 min
Lab File: BE099494.D
Acq: 2 May 2019 15:42

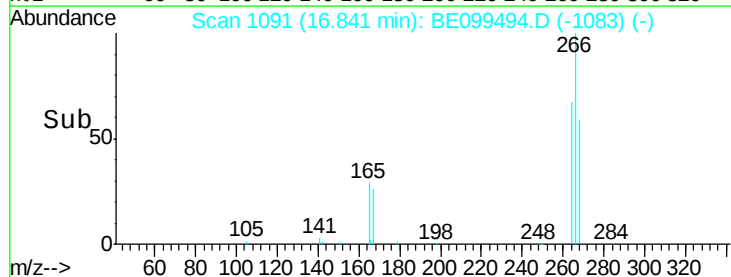
Tgt Ion:266 Resp: 2177
Ion Ratio Lower Upper
266 100
264 67.7 50.8 76.2
268 60.2 50.5 75.7

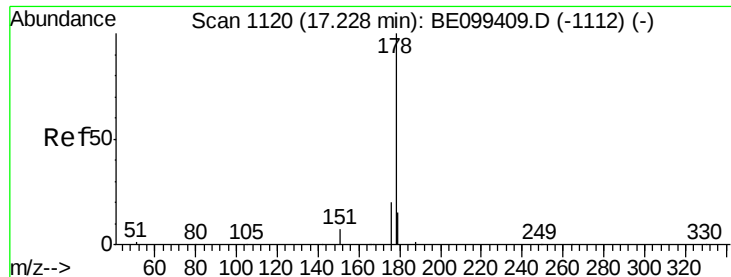


Abundance Ion 266.00 (265.70 to 266.70): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E



Time-->





#23

Phenanthrene

Concen: 0.322 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099494.D

Acq: 2 May 2019 15:42

Instrument :

BNA_E

ClientSampleId :

PST-001-B186-042419MSD

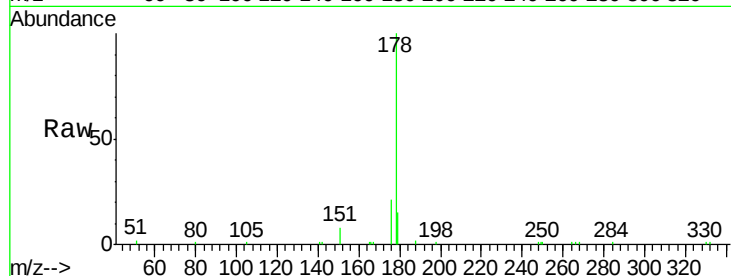
Tot Ion:178 Resp: 12222

Ion Ratio Lower Upper

178 100

176 20.3 15.6 23.4

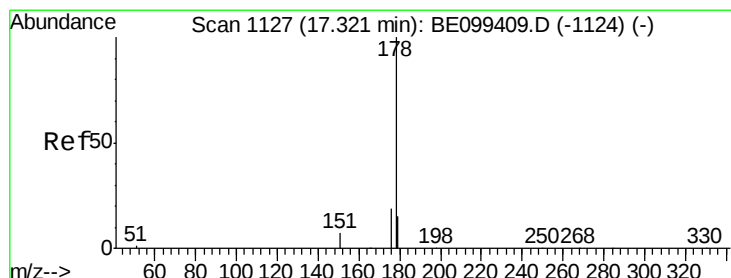
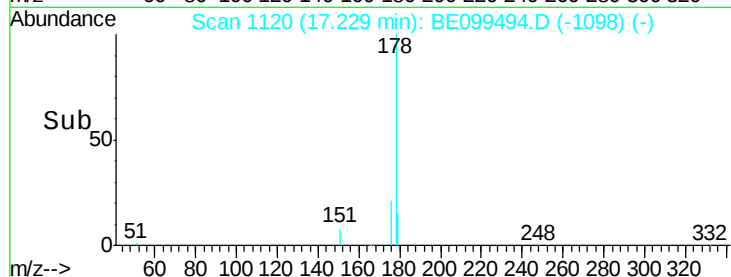
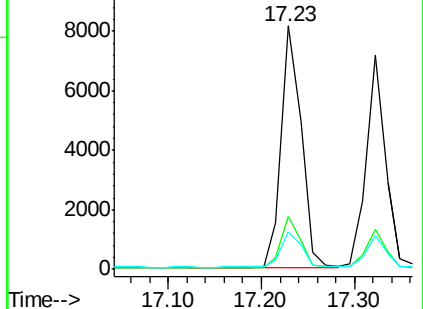
179 15.3 12.0 18.0



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: 0.282 ng

RT: 17.32 min Scan# 1127

Delta R.T. 0.00 min

Lab File: BE099494.D

Acq: 2 May 2019 15:42

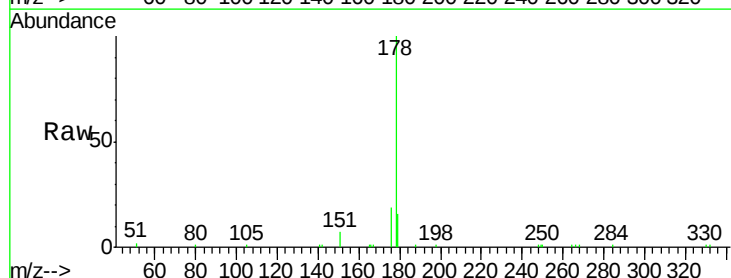
Tgt Ion:178 Resp: 10201

Ion Ratio Lower Upper

178 100

176 18.1 14.9 22.3

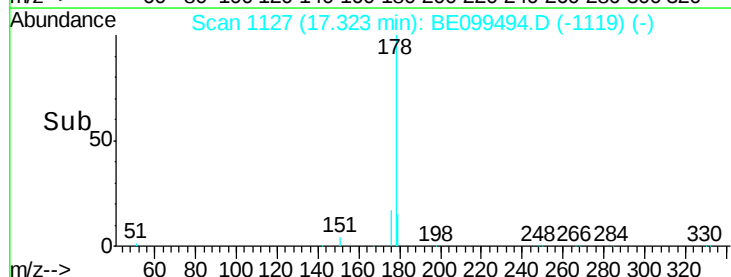
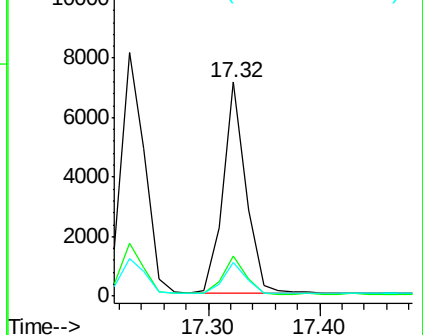
179 14.9 11.9 17.9

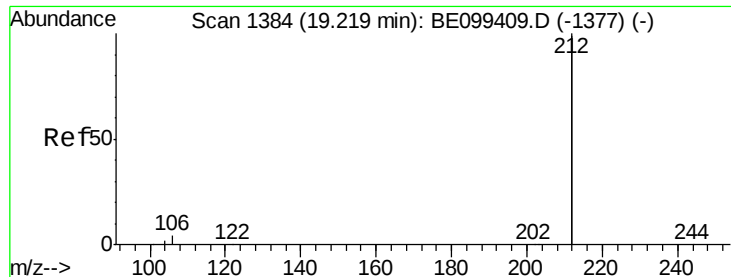


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.267 ng

RT: 19.22 min Scan# 1385

Delta R.T. 0.01 min

Lab File: BE099494.D

Acq: 2 May 2019 15:42

Instrument :

BNA_E

ClientSampleId :

PST-001-B186-042419MSD

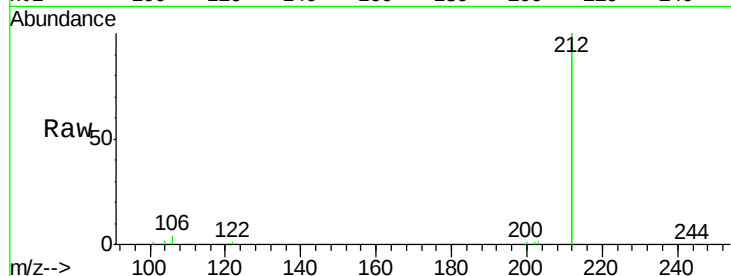
Tot Ion:212 Resp: 52989

Ion Ratio Lower Upper

212 100

106 1.8 1.5 2.3

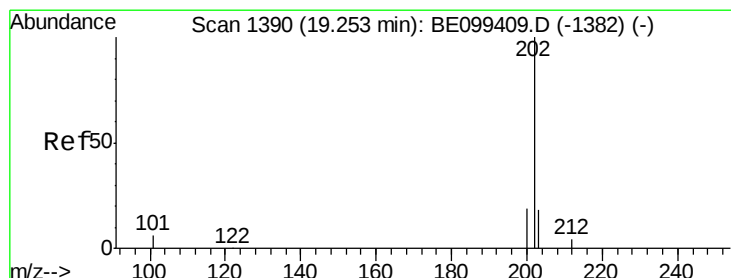
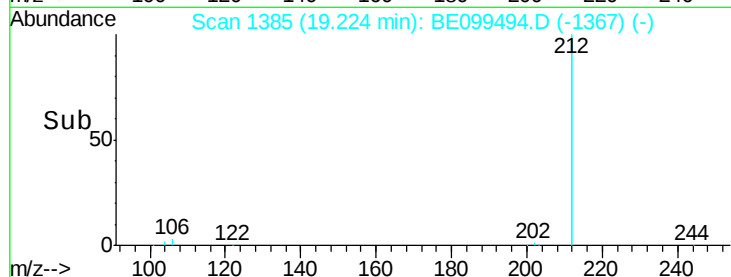
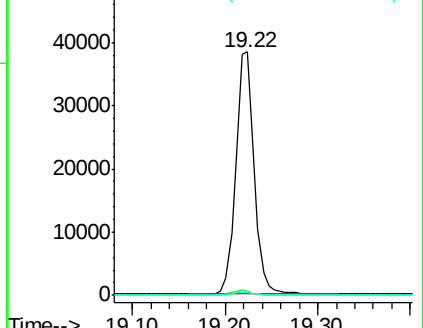
104 1.2 0.9 1.3



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: 0.336 ng

RT: 19.25 min Scan# 1390

Delta R.T. -0.00 min

Lab File: BE099494.D

Acq: 2 May 2019 15:42

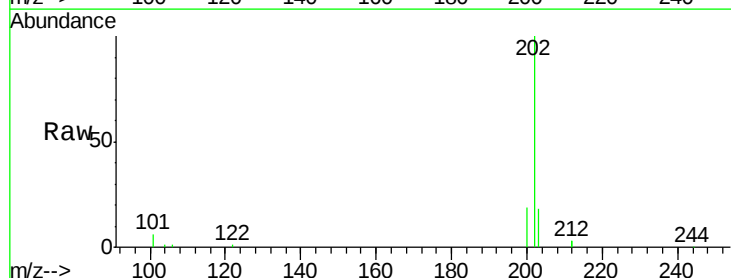
Tgt Ion:202 Resp: 19100

Ion Ratio Lower Upper

202 100

101 6.7 5.4 8.0

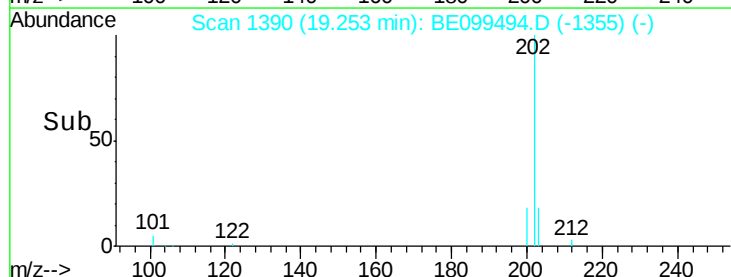
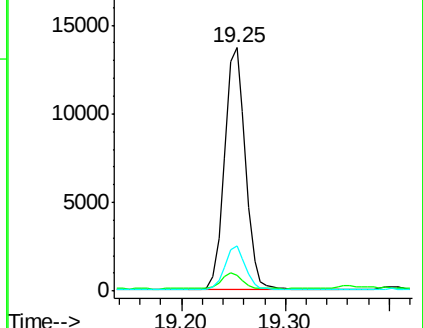
203 17.2 13.9 20.9



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

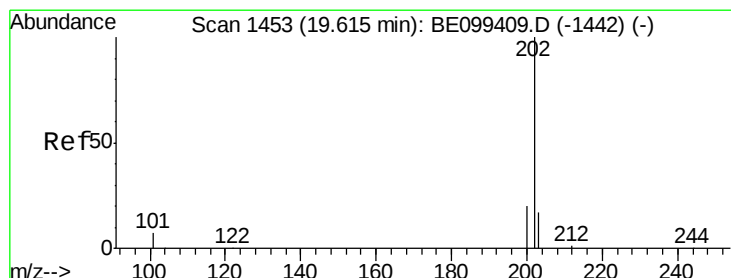
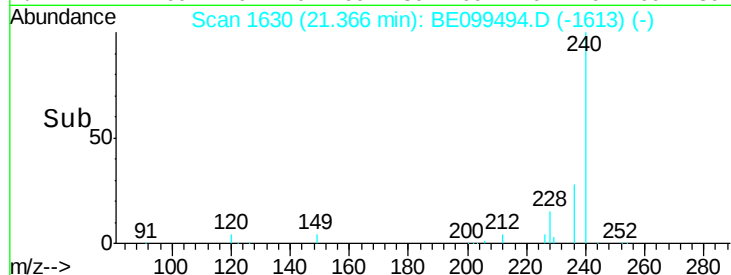
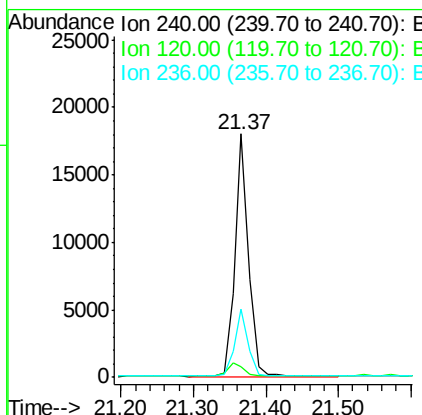
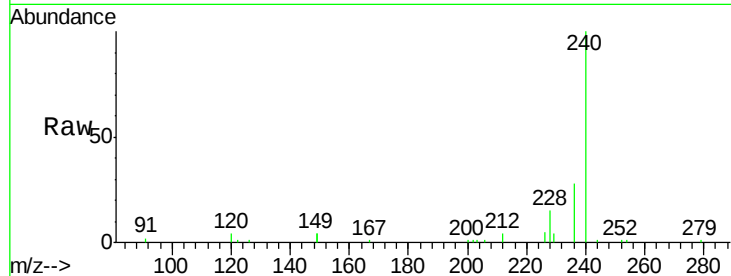




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.37 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: BE099494.D
 Acq: 2 May 2019 15:42

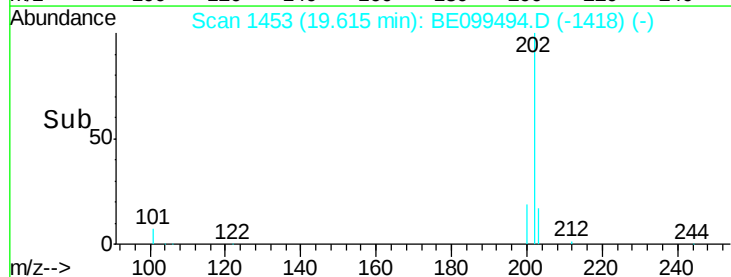
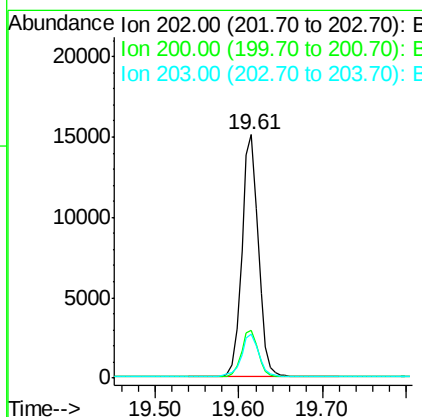
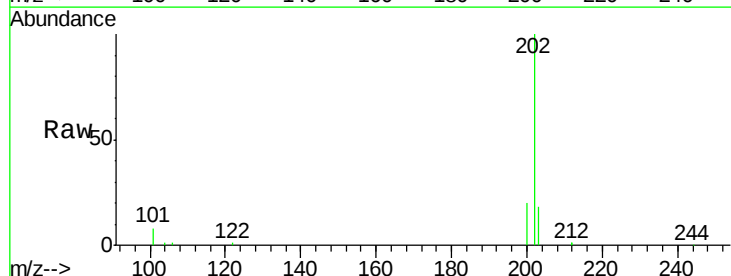
Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B186-042419MSD

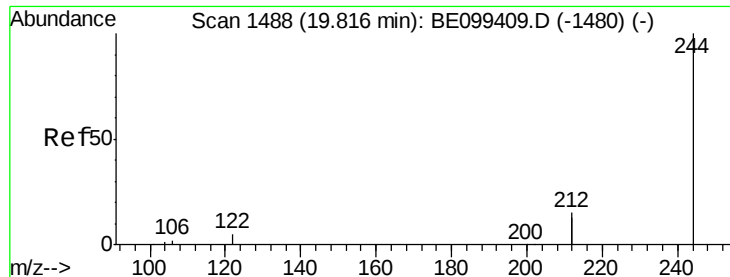
Tot Ion:240 Resp: 23901
 Ion Ratio Lower Upper
 240 100
 120 4.4 4.0 6.0
 236 28.1 22.0 33.0



#28
 Pyrene
 Concen: 0.331 ng
 RT: 19.61 min Scan# 1453
 Delta R.T. -0.00 min
 Lab File: BE099494.D
 Acq: 2 May 2019 15:42

Tgt Ion:202 Resp: 20591
 Ion Ratio Lower Upper
 202 100
 200 19.7 15.7 23.5
 203 18.1 13.9 20.9





#29

Terphenyl-d14

Concen: 0.261 ng

RT: 19.82 min Scan# 1488

Delta R.T. -0.00 min

Lab File: BE099494.D

Acq: 2 May 2019 15:42

Instrument :

BNA_E

ClientSampleId :

PST-001-B186-042419MSD

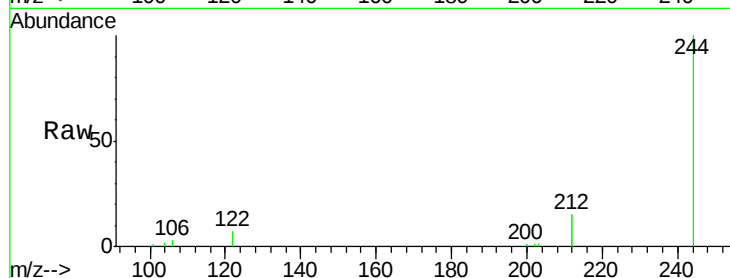
Tot Ion:244 Resp: 11436

Ion Ratio Lower Upper

244 100

212 30.4 23.2 34.8

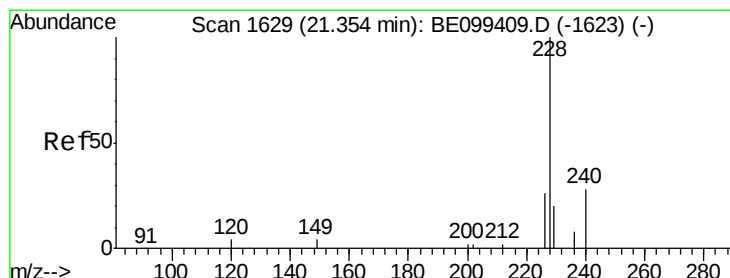
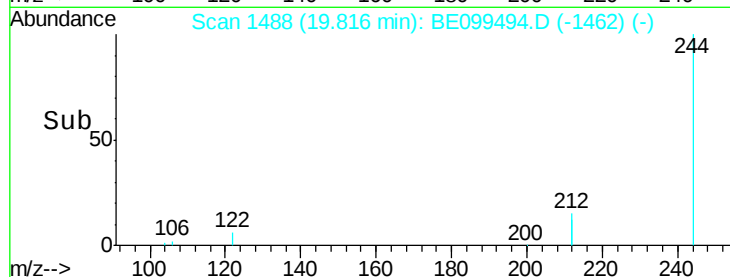
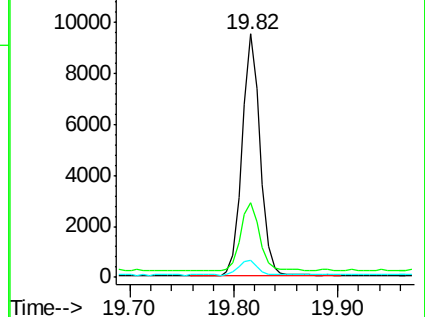
122 6.9 4.2 6.4#



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: 0.316 ng

RT: 21.35 min Scan# 1629

Delta R.T. -0.00 min

Lab File: BE099494.D

Acq: 2 May 2019 15:42

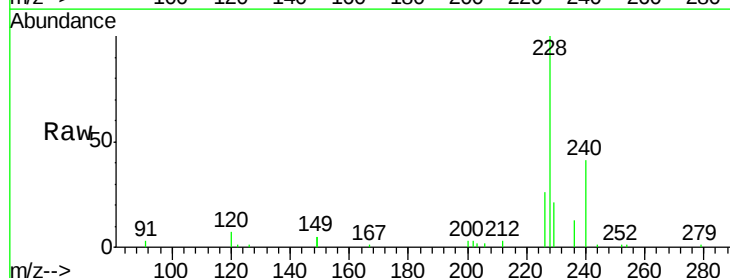
Tgt Ion:228 Resp: 24085

Ion Ratio Lower Upper

228 100

226 26.4 21.0 31.6

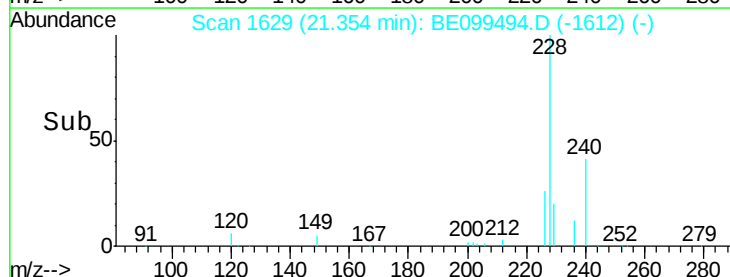
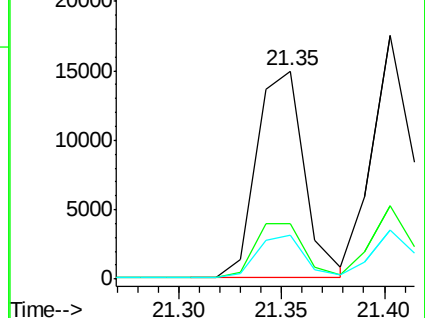
229 21.1 16.6 25.0

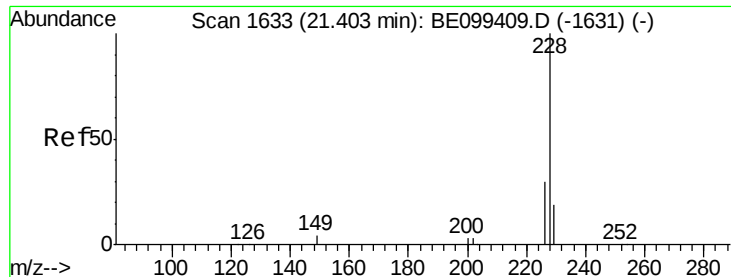


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.317 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.00 min

Lab File: BE099494.D

Acq: 2 May 2019 15:42

Instrument :

BNA_E

ClientSampleId :

PST-001-B186-042419MSD

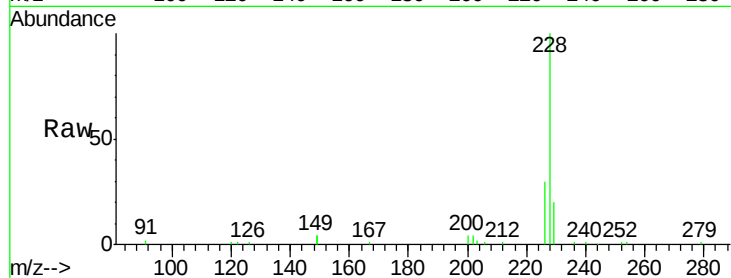
Tot Ion:228 Resp: 23641

Ion Ratio Lower Upper

228 100

226 30.1 24.0 36.0

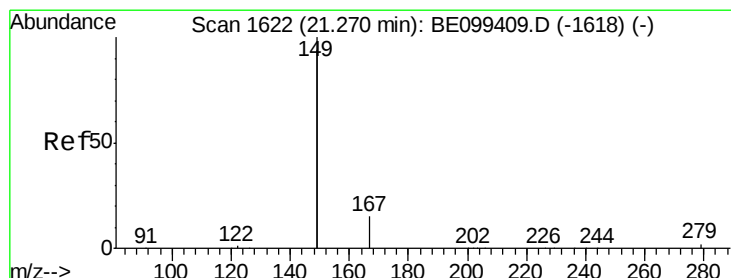
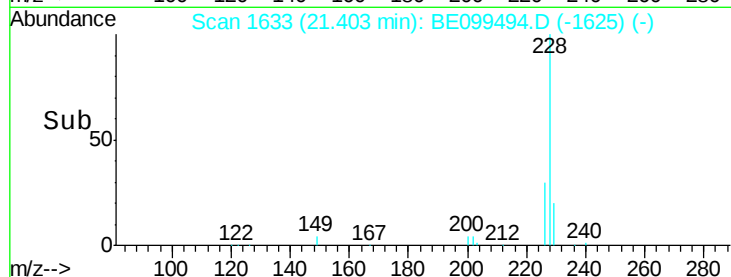
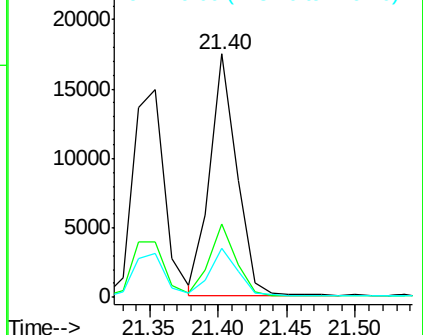
229 20.3 15.8 23.8



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: 0.363 ng

RT: 21.27 min Scan# 1622

Delta R.T. 0.00 min

Lab File: BE099494.D

Acq: 2 May 2019 15:42

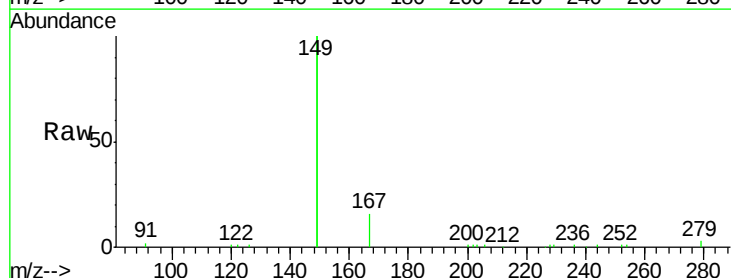
Tgt Ion:149 Resp: 46734

Ion Ratio Lower Upper

149 100

167 7.5 5.8 8.6

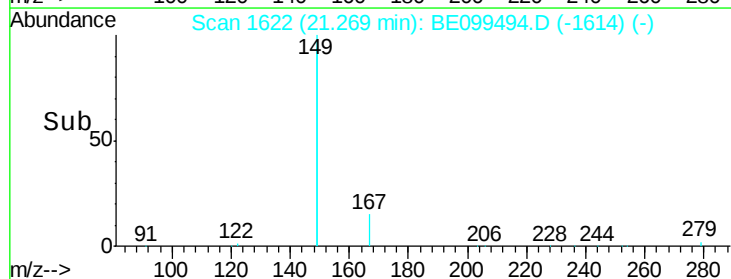
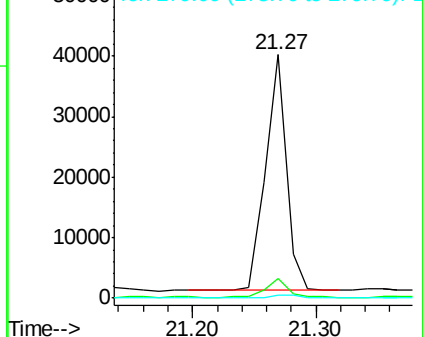
279 1.5 1.0 1.6



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: 0.311 ng

RT: 26.52 min Scan# 2938

Delta R.T. -0.00 min

Lab File: BE099494.D

Acq: 2 May 2019 15:42

Instrument :

BNA_E

ClientSampleId :

PST-001-B186-042419MSD

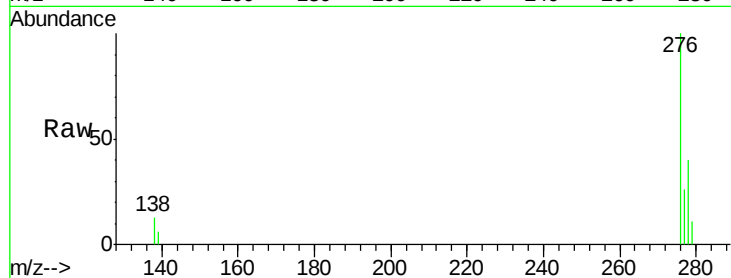
Tot Ion:276 Resp: 27363

Ion Ratio Lower Upper

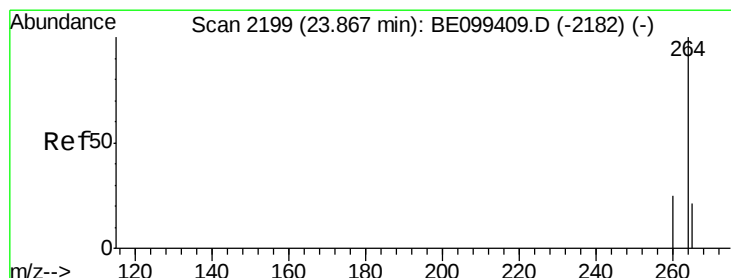
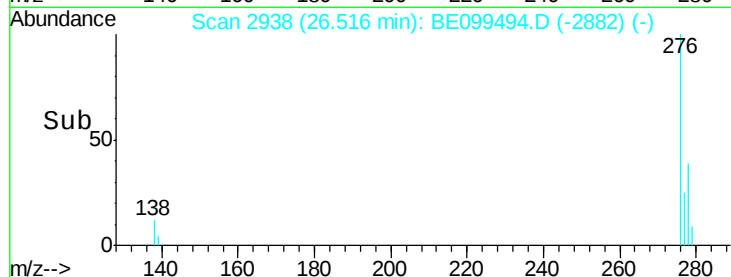
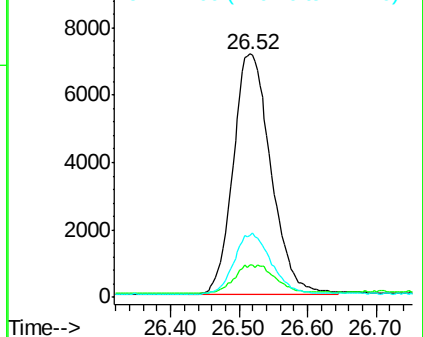
276 100

138 6.5 10.2 15.2#

277 24.7 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# 2201

Delta R.T. 0.01 min

Lab File: BE099494.D

Acq: 2 May 2019 15:42

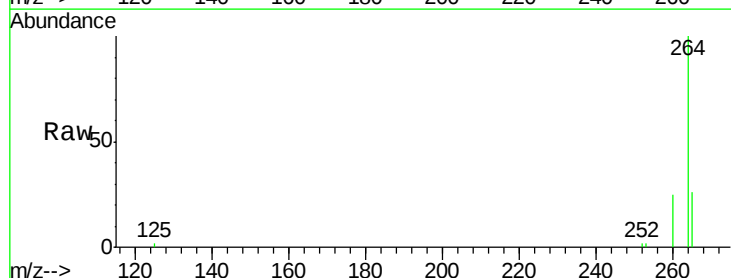
Tgt Ion:264 Resp: 27575

Ion Ratio Lower Upper

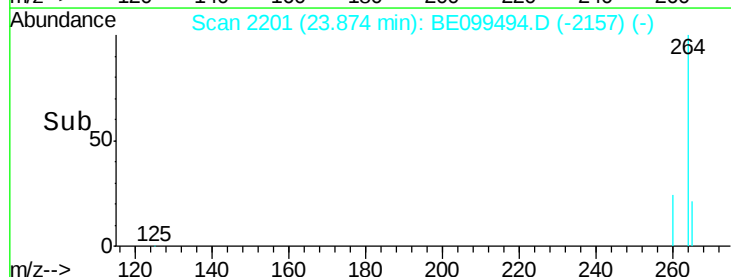
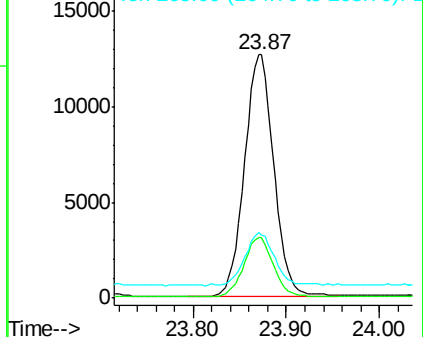
264 100

260 24.7 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: 0.298 ng

RT: 23.15 min Scan# 1997

Delta R.T. 0.05 min

Lab File: BE099494.D

Acq: 2 May 2019 15:42

Instrument :

BNA_E

ClientSampleId :

PST-001-B186-042419MSD

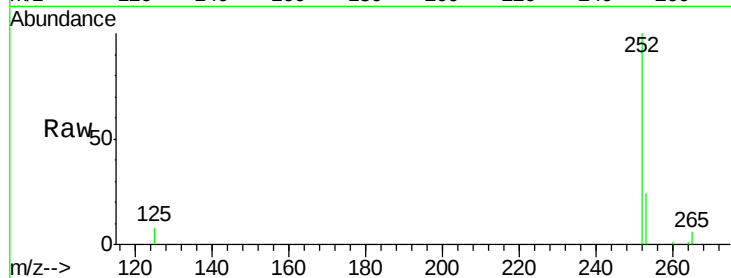
Tot Ion:252 Resp: 23701

Ion Ratio Lower Upper

252 100

253 23.7 18.1 27.1

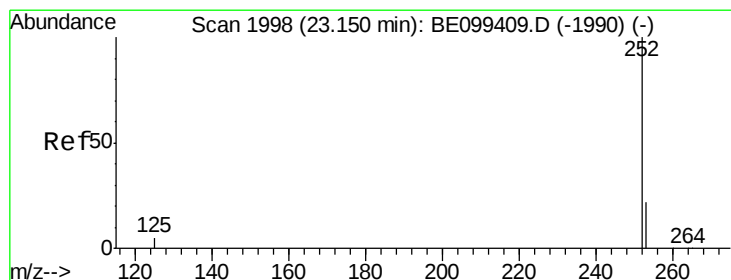
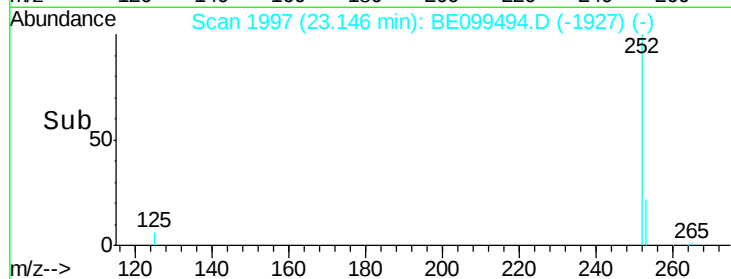
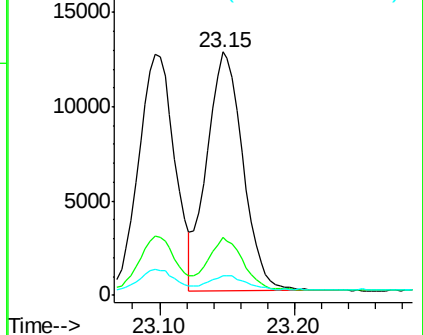
125 8.0 5.6 8.4



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: 0.309 ng

RT: 23.15 min Scan# 1997

Delta R.T. -0.00 min

Lab File: BE099494.D

Acq: 2 May 2019 15:42

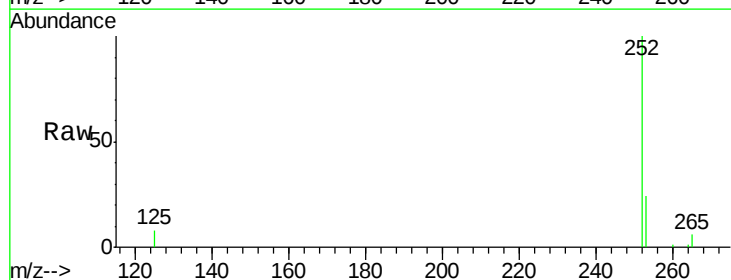
Tgt Ion:252 Resp: 23701

Ion Ratio Lower Upper

252 100

253 23.7 18.4 27.6

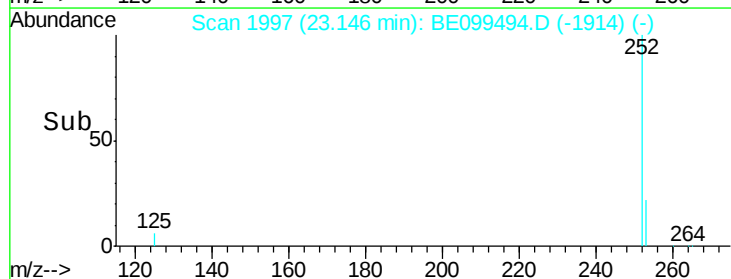
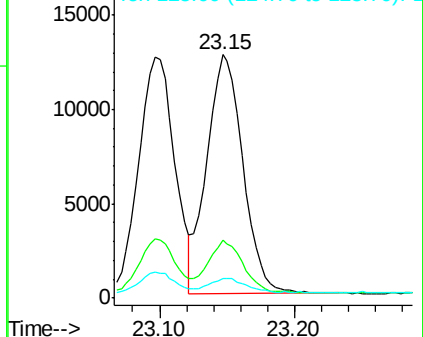
125 8.0 5.0 7.4#

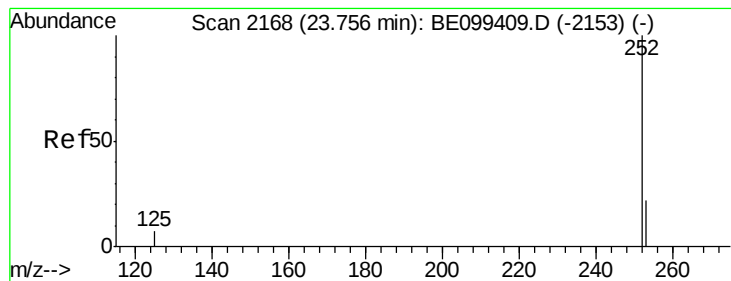


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.303 ng

RT: 23.76 min Scan# 2168

Delta R.T. -0.00 min

Lab File: BE099494.D

Acq: 2 May 2019 15:42

Instrument :

BNA_E

ClientSampleId :

PST-001-B186-042419MSD

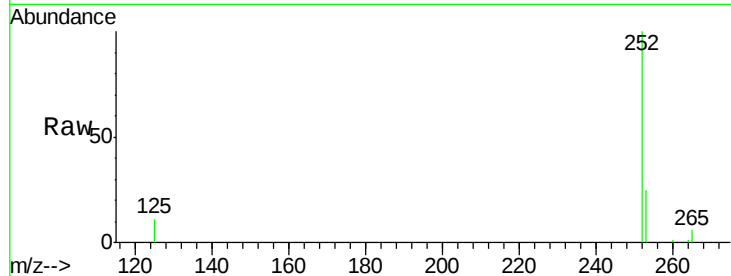
Tot Ion:252 Resp: 22801

Ion Ratio Lower Upper

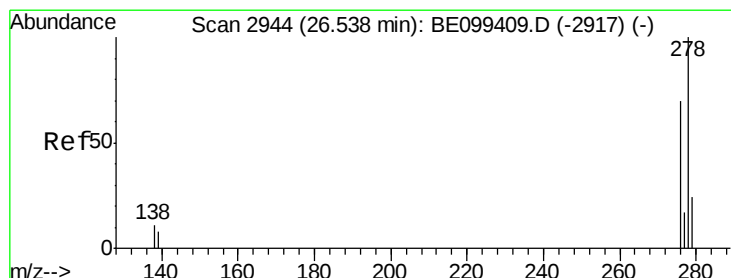
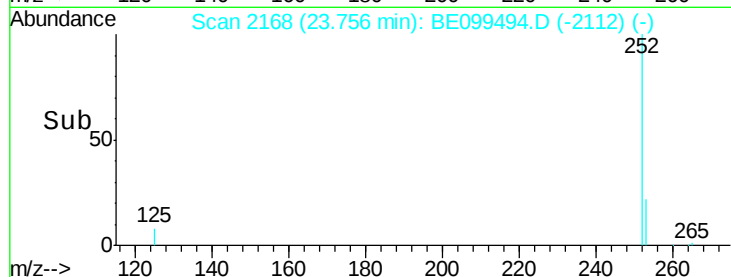
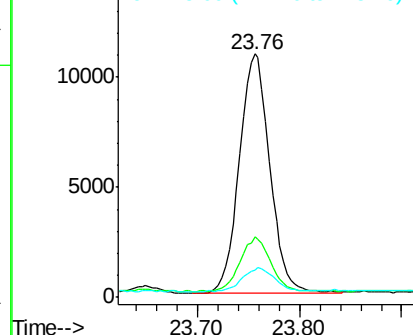
252 100

253 24.7 18.9 28.3

125 11.1 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: 0.294 ng

RT: 26.54 min Scan# 2946

Delta R.T. 0.01 min

Lab File: BE099494.D

Acq: 2 May 2019 15:42

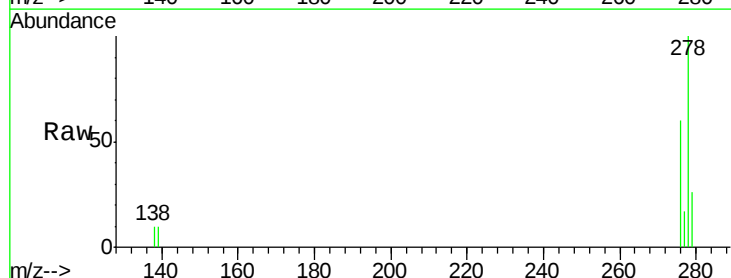
Tgt Ion:278 Resp: 22601

Ion Ratio Lower Upper

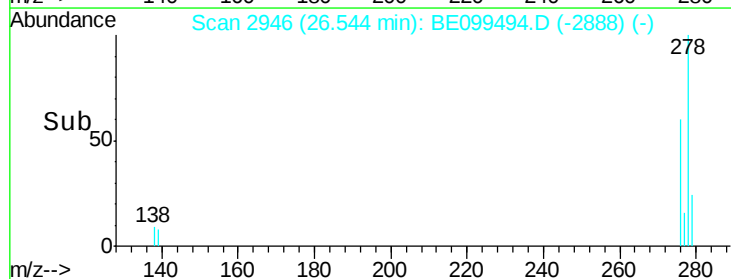
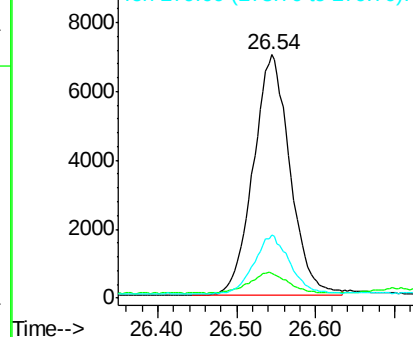
278 100

139 10.2 7.7 11.5

279 25.7 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: 0.304 ng

RT: 27.34 min Scan# 3169

Delta R.T. 0.01 min

Lab File: BE099494.D

Acq: 2 May 2019 15:42

Instrument :

BNA_E

ClientSampleId :

PST-001-B186-042419MSD

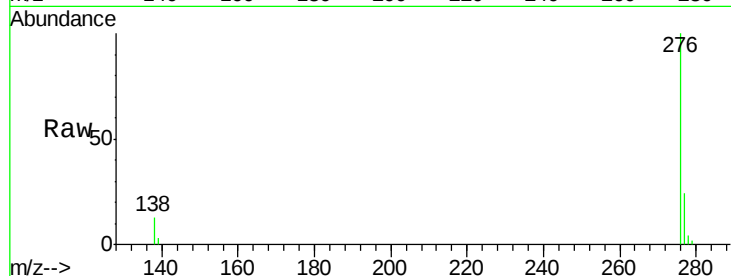
Tot Ion: 276 Resp: 23455

Ion Ratio Lower Upper

276 100

277 24.1 19.5 29.3

138 13.0 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

