

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050219\
 Data File : BE099495.D
 Acq On : 2 May 2019 16:18
 Operator : JU/SJ
 Sample : K2588-10MS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: May 03 02:09:54 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	2096	0.40	ng	-0.01
7) Naphthalene-d8	10.60	136	7123	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	4896	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	15824	0.40	ng	0.00
27) Chrysene-d12	21.37	240	24844	0.40	ng	0.00
34) Perylene-d12	23.87	264	28845	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.38	112	2330	0.40	ng	0.00
5) Phenol-d6	6.96	99	3326	0.43	ng	-0.01
8) Nitrobenzene-d5	8.96	82	2688	0.40	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	5184	0.40	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1632	0.53	ng	0.00
15) 2-Fluorobiphenyl	13.07	172	6896	0.37	ng	-0.01
25) Fluoranthene-d10	19.22	212	85785	0.40	ng	0.00
29) Terphenyl-d14	19.82	244	18773	0.41	ng	0.00

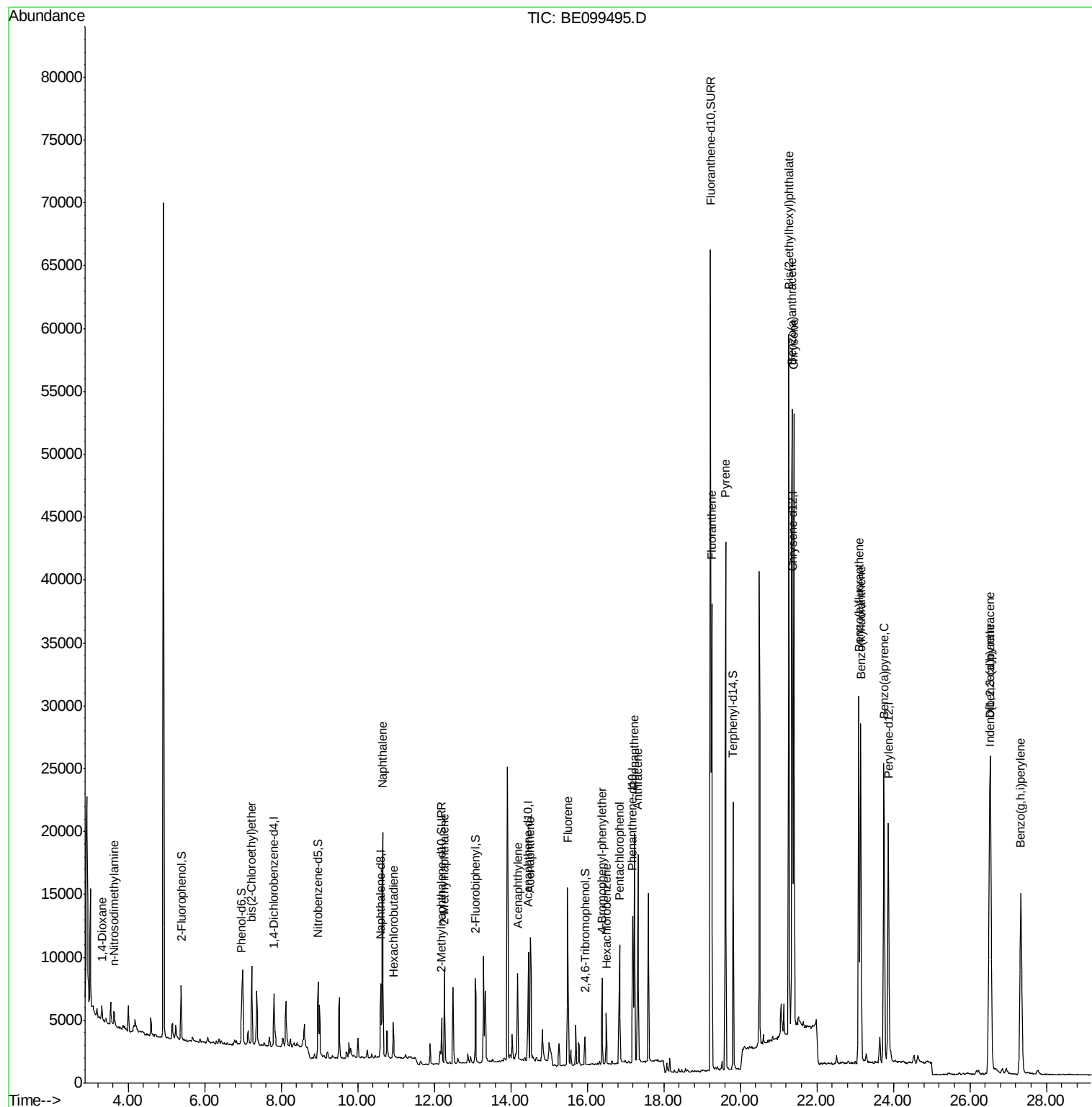
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.31	88	813	0.282	ng	# 55
3) n-Nitrosodimethylamine	3.62	42	748	0.430	ng	# 98
6) bis(2-Chloroethyl)ether	7.23	93	2363	0.355	ng	97
9) Naphthalene	10.65	128	29264	0.377	ng	99
10) Hexachlorobutadiene	10.93	225	1885	0.349	ng	97
12) 2-Methylnaphthalene	12.27	142	5039	0.373	ng	97
16) Acenaphthylene	14.18	152	9396	0.392	ng	98
17) Acenaphthene	14.51	154	5341	0.390	ng	98
18) Fluorene	15.49	166	8132	0.403	ng	96
20) 4-Bromophenyl-phenylether	16.39	248	3442	0.374	ng	96
21) Hexachlorobenzene	16.49	284	3121	0.355	ng	99
22) Pentachlorophenol	16.84	266	5136	1.188	ng	99
23) Phenanthrene	17.23	178	18973	0.465	ng	99
24) Anthracene	17.32	178	16772	0.431	ng	99
26) Fluoranthene	19.25	202	36150	0.591	ng	100
28) Pyrene	19.61	202	38462	0.594	ng	99
30) Benzo(a)anthracene	21.35	228	43387	0.548	ng	99
31) Chrysene	21.40	228	40254	0.520	ng	98
32) Bis(2-ethylhexyl)phthalate	21.27	149	61902	0.483	ng	99
33) Indeno(1,2,3-cd)pyrene	26.51	276	43941	0.480	ng	99
35) Benzo(b)fluoranthene	23.10	252	41029	0.493	ng	98
36) Benzo(k)fluoranthene	23.15	252	39502	0.493	ng	99
37) Benzo(a)pyrene	23.76	252	39167	0.498	ng	99
38) Dibenzo(a,h)anthracene	26.54	278	34425	0.428	ng	99
39) Benzo(g,h,i)perylene	27.33	276	37509	0.465	ng	99

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

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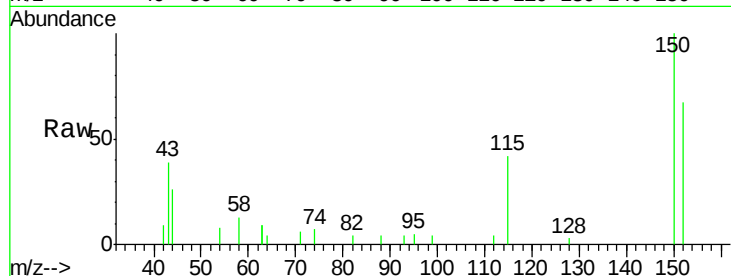


#1

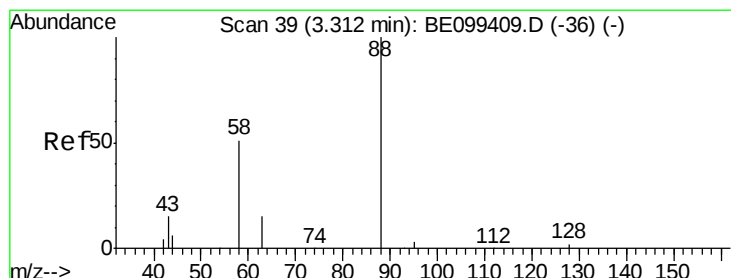
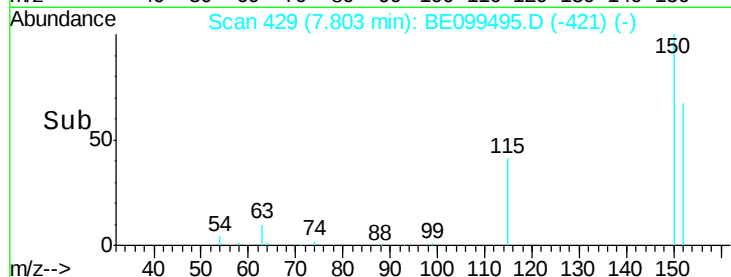
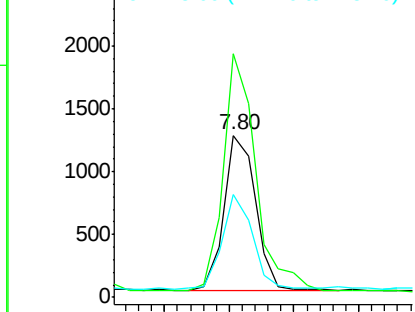
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099495.D
Acq: 2 May 2019 16:18

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

Tot Ion:152 Resp: 2096
Ion Ratio Lower Upper
152 100
150 150.2 104.8 157.2
115 63.6 46.6 69.8



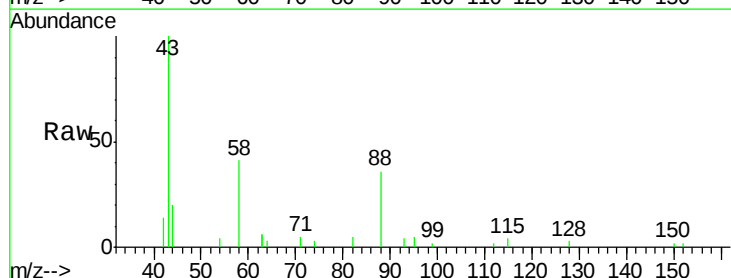
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



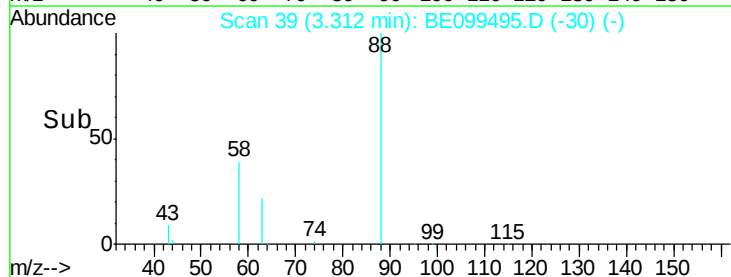
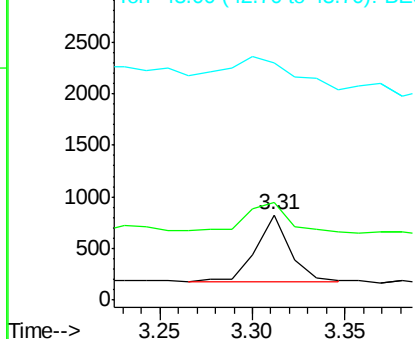
#2

1,4-Dioxane
Concen: 0.282 ng
RT: 3.31 min Scan# 39
Delta R.T. -0.00 min
Lab File: BE099495.D
Acq: 2 May 2019 16:18

Tgt Ion: 88 Resp: 813
Ion Ratio Lower Upper
88 100
58 60.9 51.0 76.6
43 101.1 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: 0.430 ng

RT: 3.62 min Scan# 66

Delta R.T. -0.02 min

Lab File: BE099495.D

Acq: 2 May 2019 16:18

Instrument :

BNA_E

ClientSampleId :

PST-001-B194-042519MS

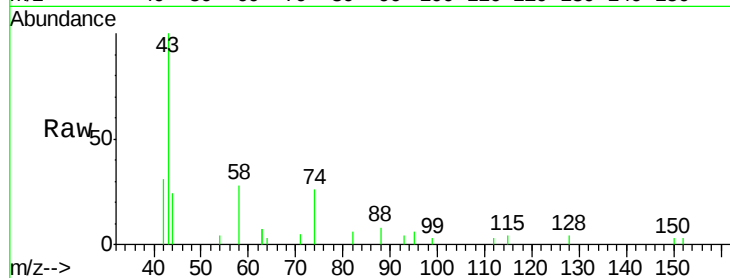
Tot Ion: 42 Resp: 748

Ion Ratio Lower Upper

42 100

74 174.3 141.6 212.4

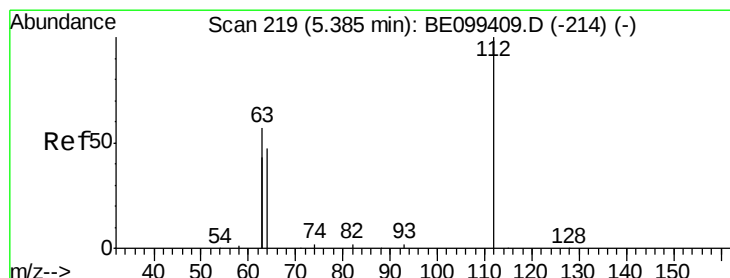
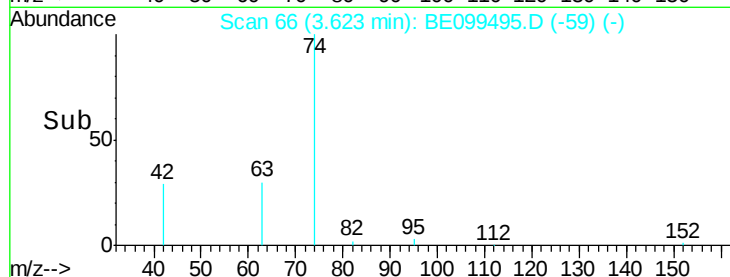
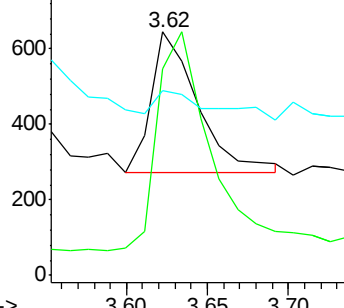
44 25.3 0.0 0.0#



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



#4

2-Fluorophenol

Concen: 0.402 ng

RT: 5.38 min Scan# 219

Delta R.T. -0.00 min

Lab File: BE099495.D

Acq: 2 May 2019 16:18

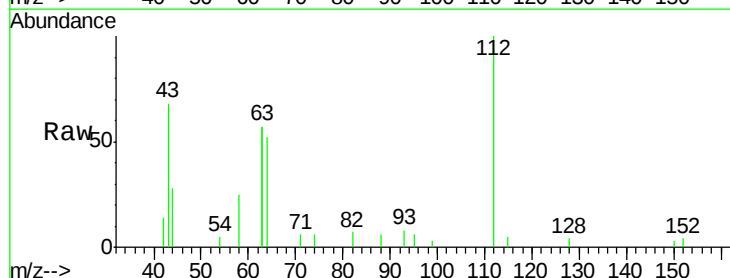
Tgt Ion: 112 Resp: 2330

Ion Ratio Lower Upper

112 100

64 60.0 47.4 71.0

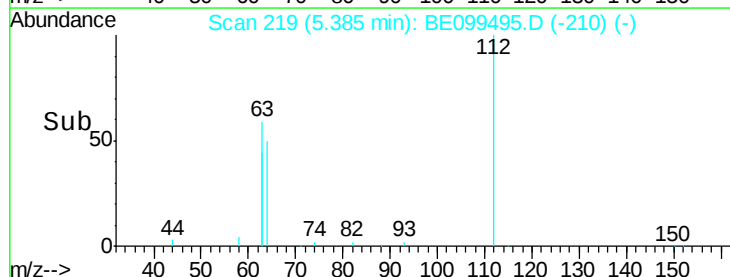
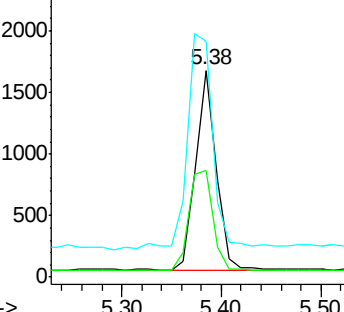
63 132.6 104.3 156.5

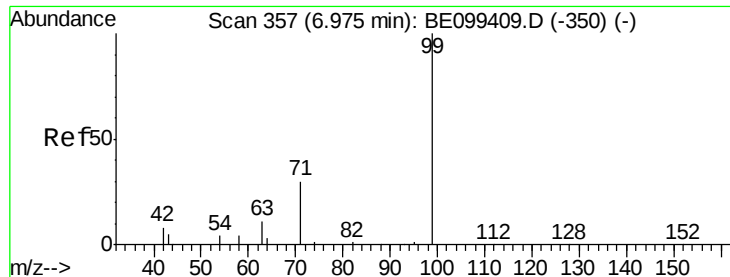


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.431 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099495.D

Acq: 2 May 2019 16:18

Instrument :

BNA_E

ClientSampleId :

PST-001-B194-042519MS

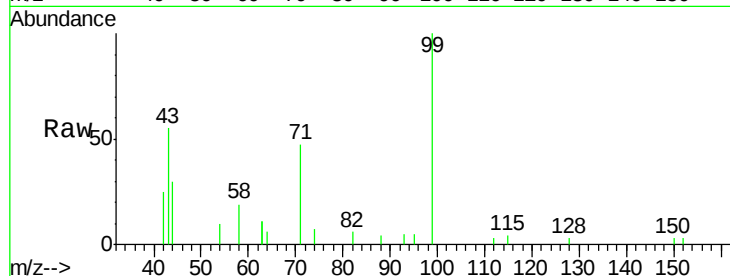
Tot Ion: 99 Resp: 3326

Ion Ratio Lower Upper

99 100

42 20.0 14.9 22.3

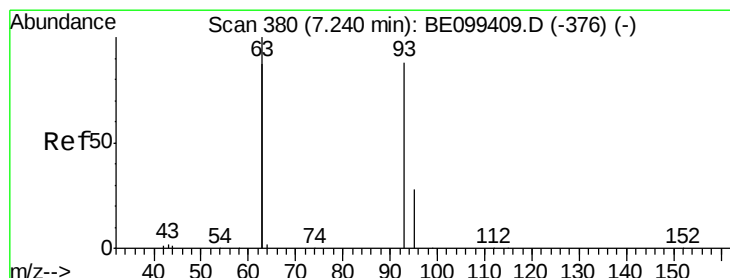
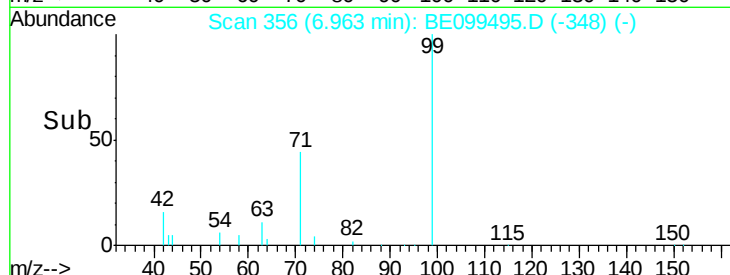
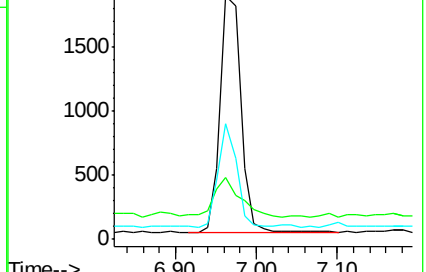
71 38.9 33.0 49.6



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: 0.355 ng

RT: 7.23 min Scan# 379

Delta R.T. -0.01 min

Lab File: BE099495.D

Acq: 2 May 2019 16:18

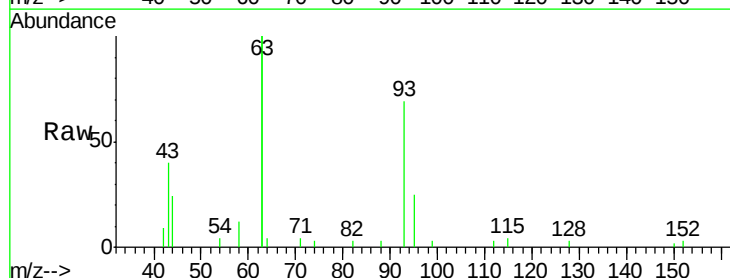
Tgt Ion: 93 Resp: 2363

Ion Ratio Lower Upper

93 100

63 264.4 215.6 323.4

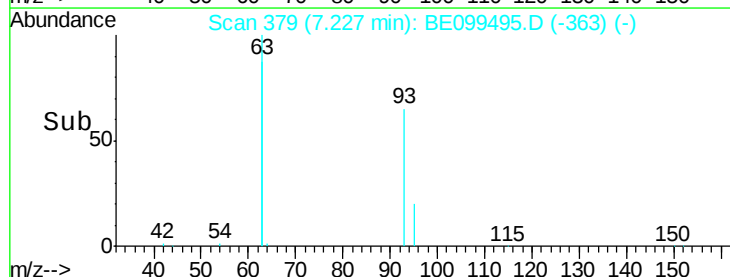
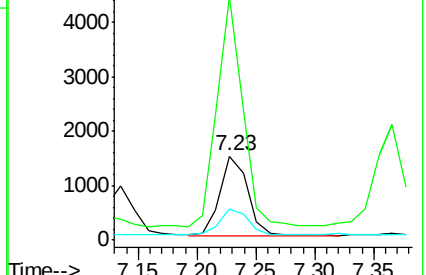
95 37.2 26.2 39.2



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: BE099495.D

Acq: 2 May 2019 16:18

Instrument :

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ClientSampleId :

PST-001-B194-042519MS

Tot Ion:136 Resp: 7123

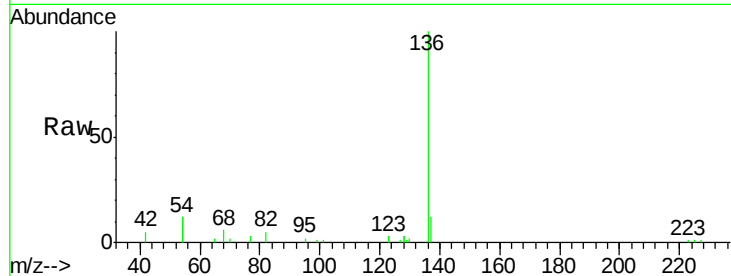
Ion Ratio Lower Upper

136 100

137 11.9 9.8 14.8

54 23.9 18.5 27.7

68 6.3 4.7 7.1

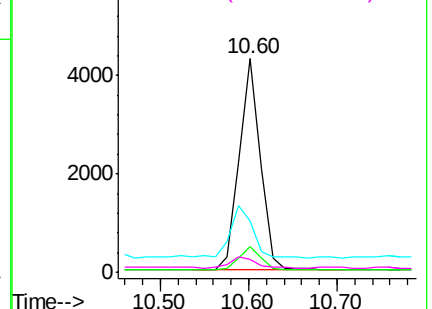
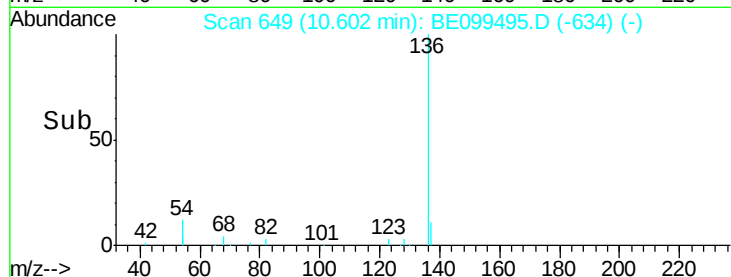


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.403 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099495.D

Acq: 2 May 2019 16:18

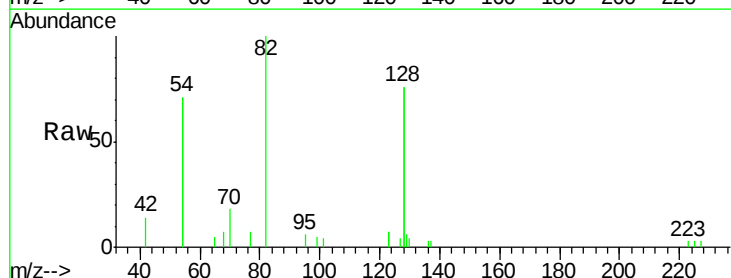
Tgt Ion: 82 Resp: 2688

Ion Ratio Lower Upper

82 100

128 151.9 107.0 160.4

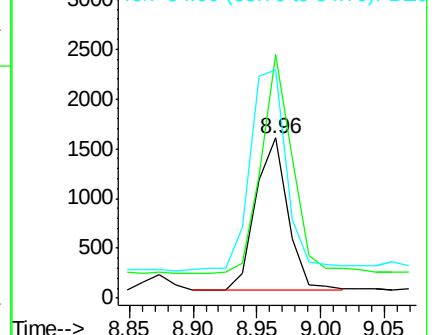
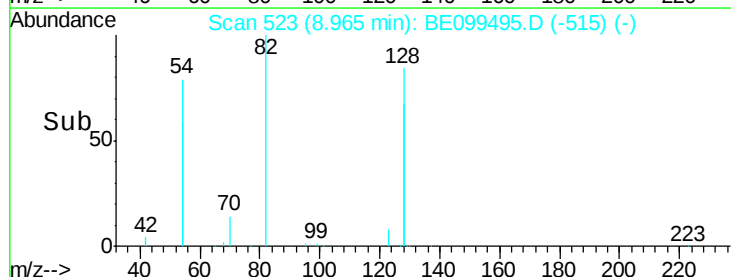
54 142.4 113.1 169.7

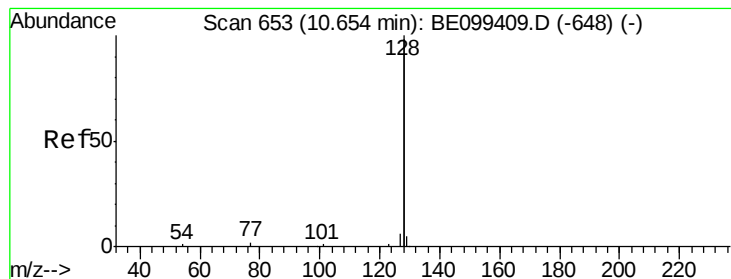


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.377 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

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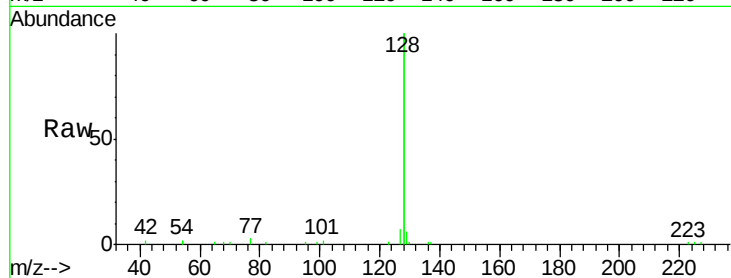
Tot Ion:128 Resp: 29264

Ion Ratio Lower Upper

128 100

129 3.2 2.4 3.6

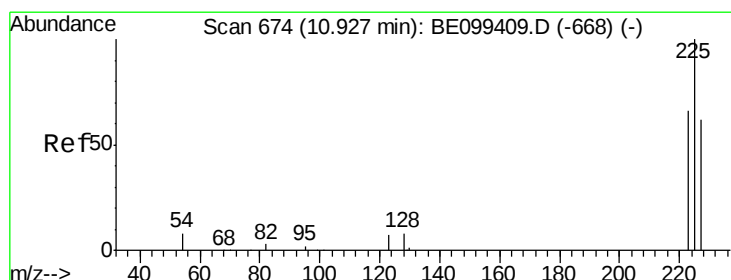
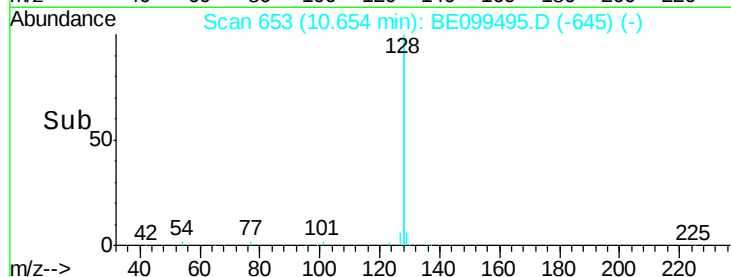
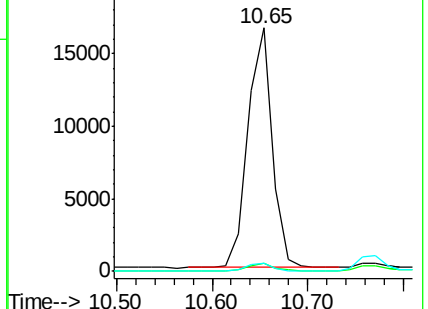
127 3.3 2.8 4.2



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: 0.349 ng

RT: 10.93 min Scan# 674

Delta R.T. -0.00 min

Lab File: BE099495.D

Acq: 2 May 2019 16:18

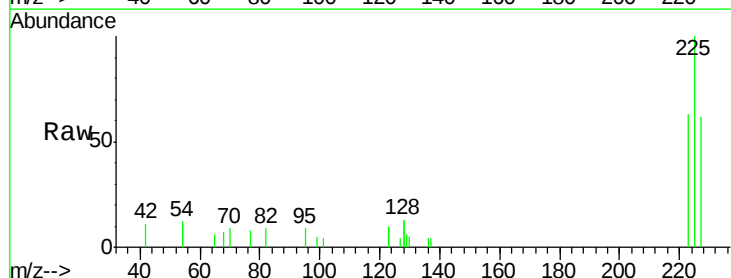
Tgt Ion:225 Resp: 1885

Ion Ratio Lower Upper

225 100

223 61.3 51.0 76.6

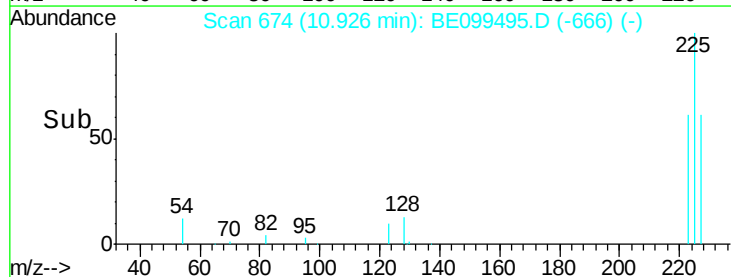
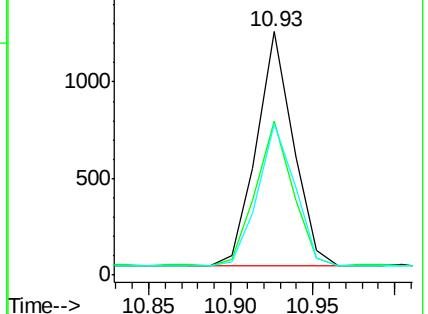
227 60.9 50.9 76.3

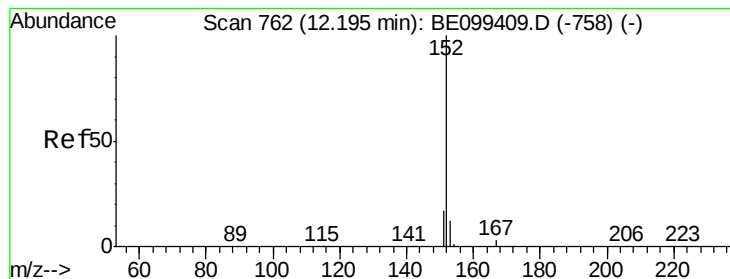


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.404 ng

RT: 12.19 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE099495.D

Acq: 2 May 2019 16:18

Instrument :

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ClientSampleId :

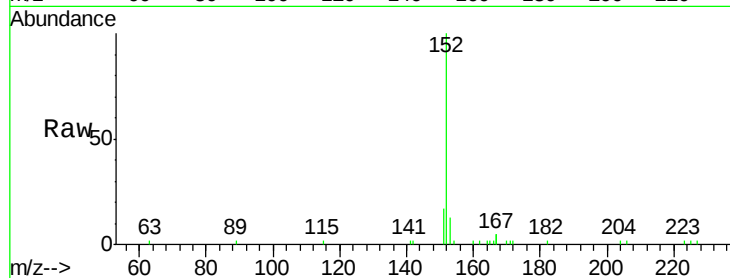
PST-001-B194-042519MS

Tot Ion:152 Resp: 5184

Ion Ratio Lower Upper

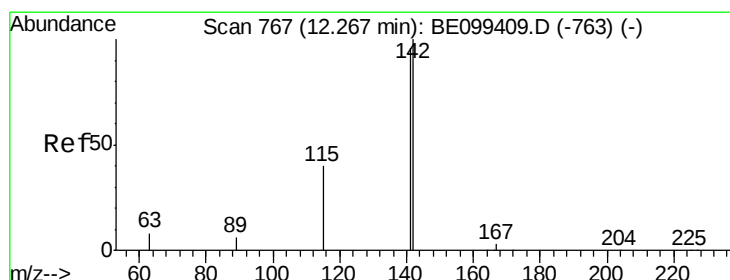
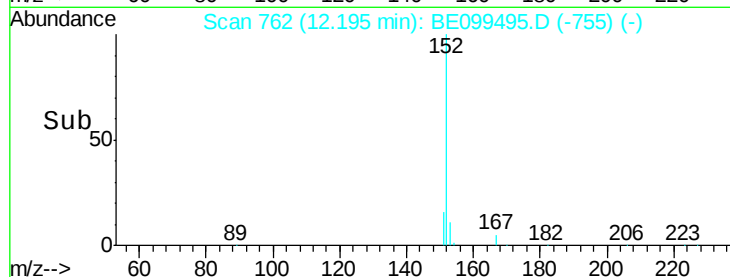
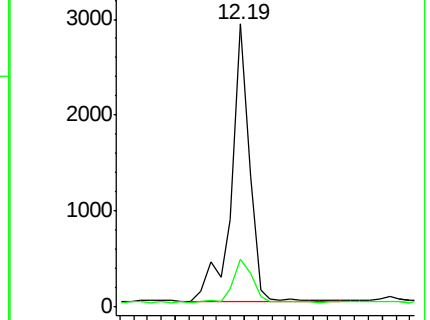
152 100

151 17.3 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: 0.373 ng

RT: 12.27 min Scan# 767

Delta R.T. -0.00 min

Lab File: BE099495.D

Acq: 2 May 2019 16:18

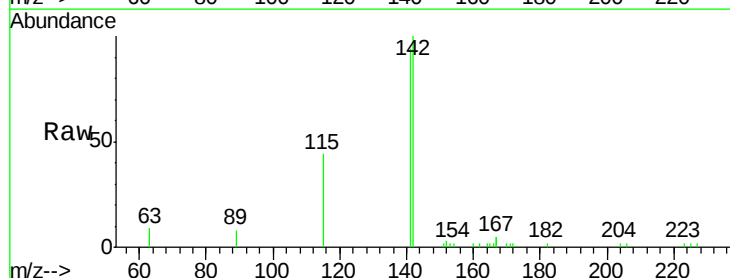
Tgt Ion:142 Resp: 5039

Ion Ratio Lower Upper

142 100

141 93.7 77.0 115.4

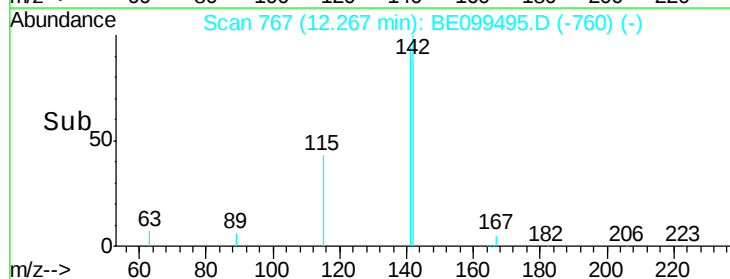
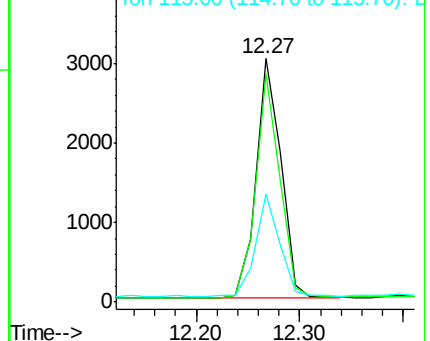
115 44.2 33.4 50.0



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

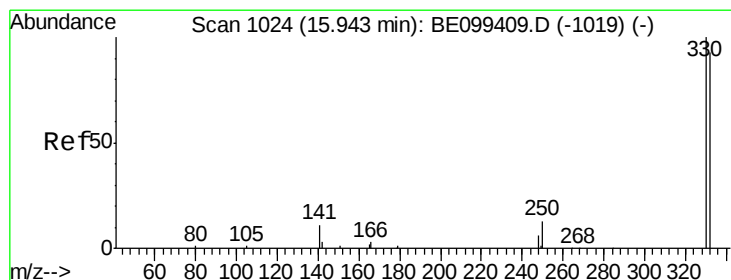
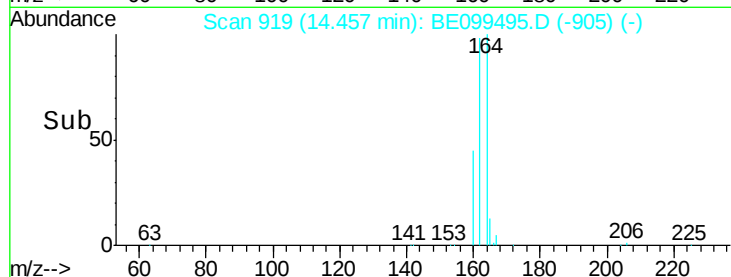
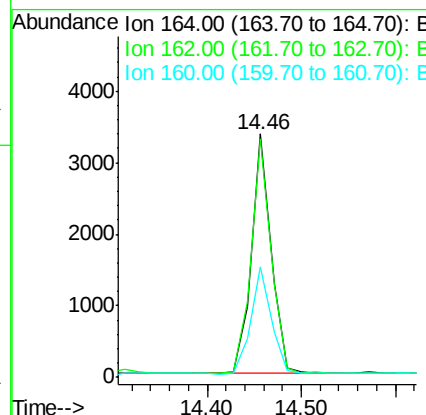
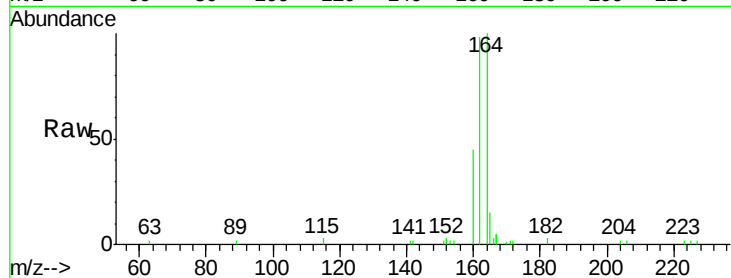




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.46 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: BE099495.D
 Acq: 2 May 2019 16:18

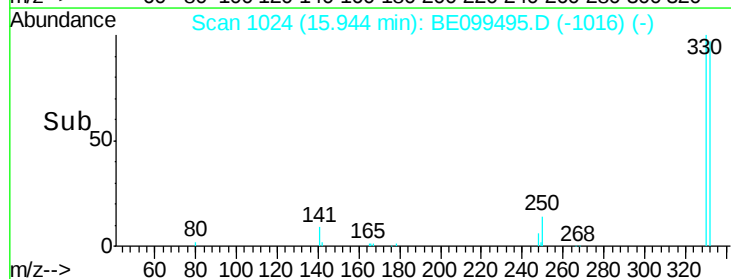
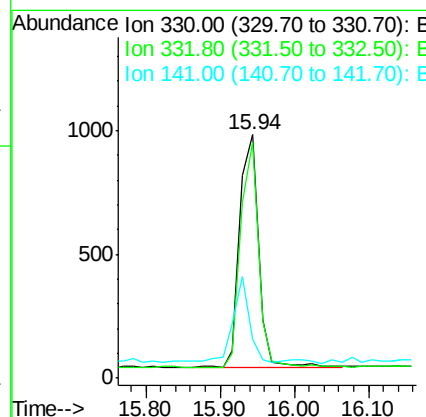
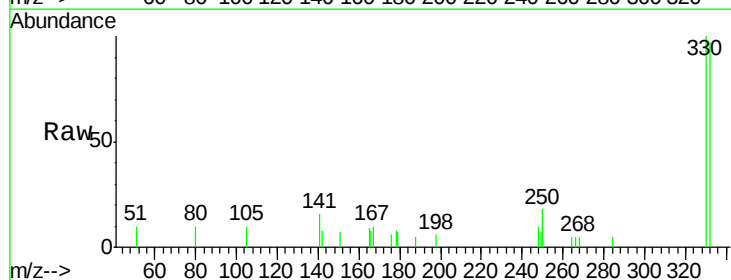
Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B194-042519MS

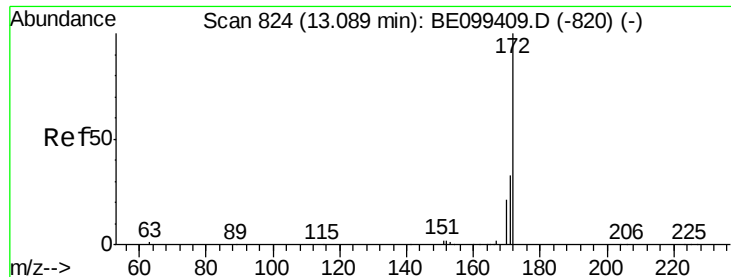
Tot Ion:164 Resp: 4896
 Ion Ratio Lower Upper
 164 100
 162 98.1 79.0 118.4
 160 45.4 37.0 55.4



#14
 2,4,6-Tribromophenol
 Concen: 0.529 ng
 RT: 15.94 min Scan# 1024
 Delta R.T. 0.00 min
 Lab File: BE099495.D
 Acq: 2 May 2019 16:18

Tgt Ion:330 Resp: 1632
 Ion Ratio Lower Upper
 330 100
 332 93.0 71.5 107.3
 141 31.4 24.0 36.0

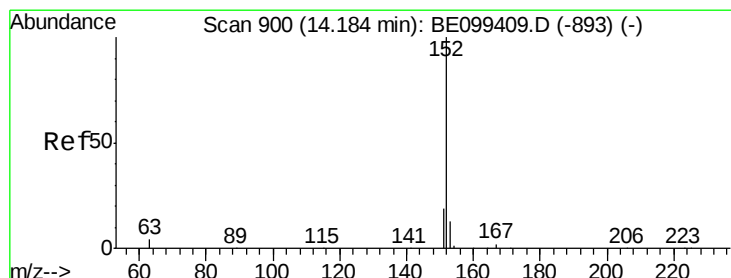
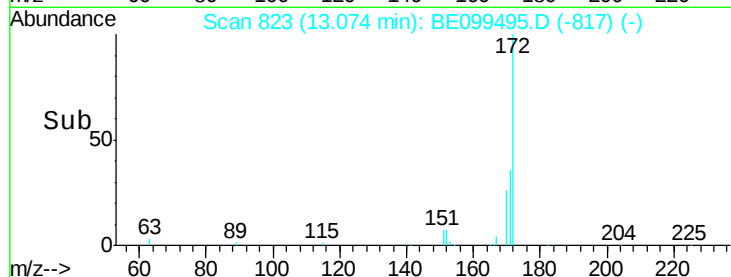
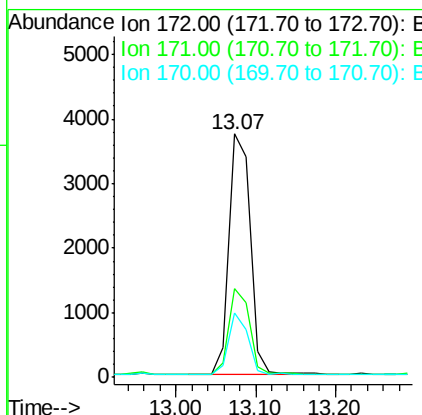
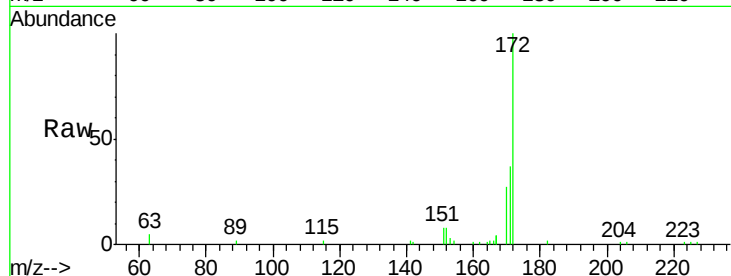




#15
2-Fluorobiphenyl
Concen: 0.369 ng
RT: 13.07 min Scan# 823
Delta R.T. -0.01 min
Lab File: BE099495.D
Acq: 2 May 2019 16:18

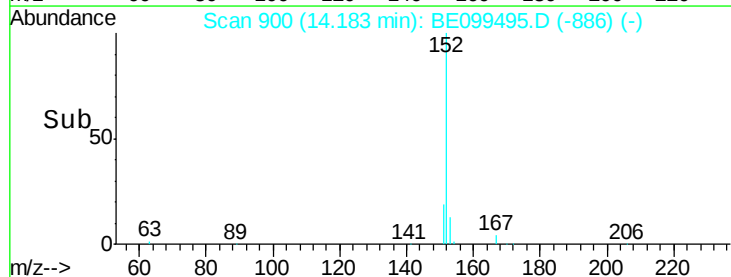
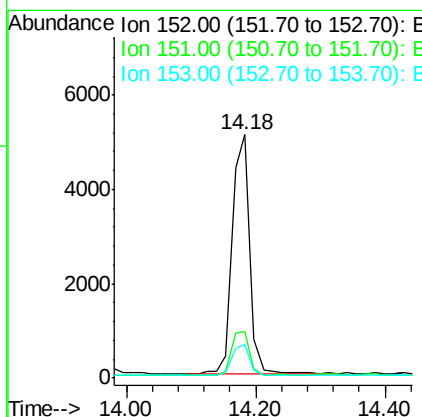
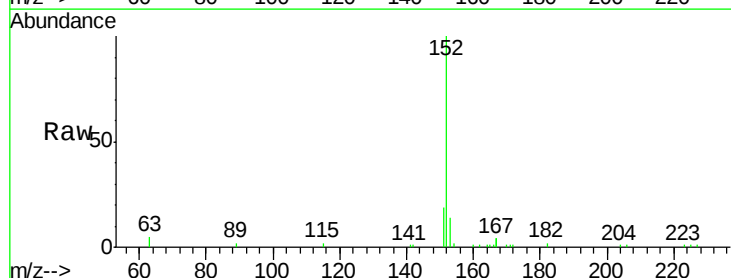
Instrument :
BNA_E
ClientSampleId :
PST-001-B194-042519MS

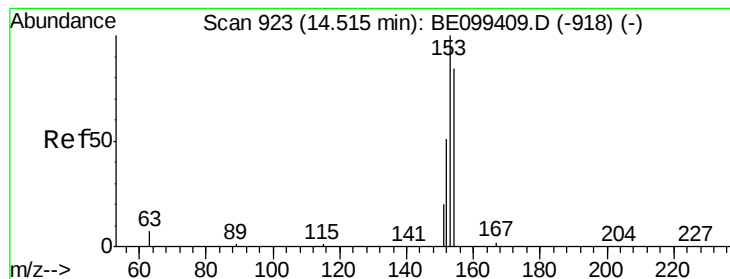
Tot Ion:172 Resp: 6896
Ion Ratio Lower Upper
172 100
171 36.7 26.6 39.8
170 26.6 17.0 25.6#



#16
Acenaphthylene
Concen: 0.392 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE099495.D
Acq: 2 May 2019 16:18

Tgt Ion:152 Resp: 9396
Ion Ratio Lower Upper
152 100
151 19.5 15.4 23.2
153 13.5 9.8 14.6





#17

Acenaphthene

Concen: 0.390 ng

RT: 14.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: BE099495.D

Acq: 2 May 2019 16:18

Instrument :

BNA_E

ClientSampleId :

PST-001-B194-042519MS

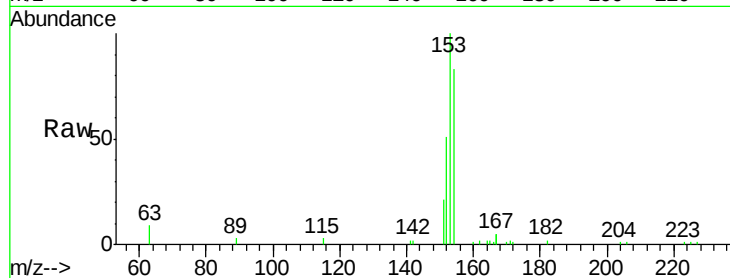
Tot Ion:154 Resp: 5341

Ion Ratio Lower Upper

154 100

153 114.2 92.6 138.8

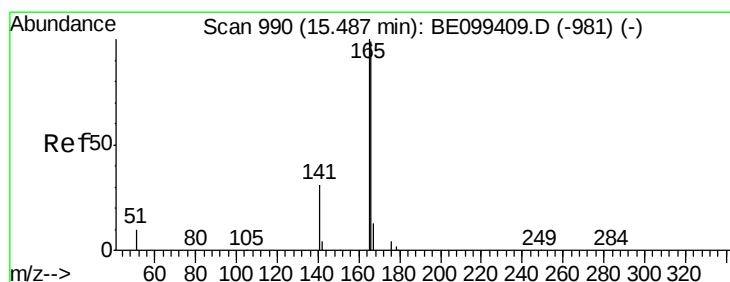
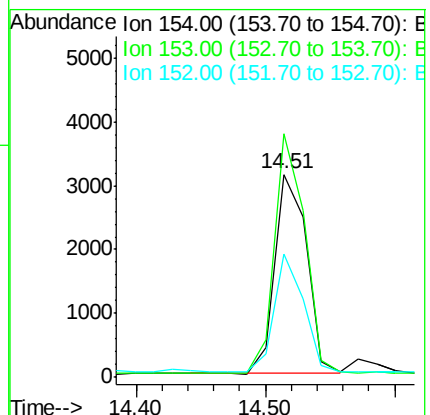
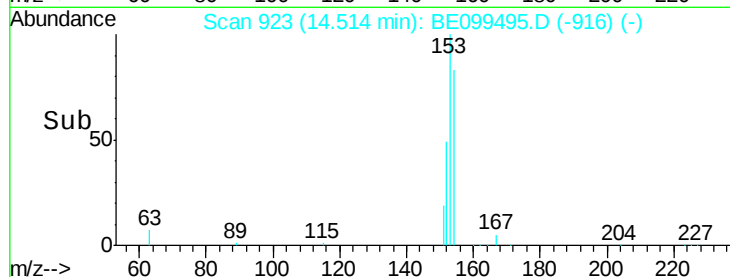
152 54.8 45.8 68.8



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: 0.403 ng

RT: 15.49 min Scan# 990

Delta R.T. 0.00 min

Lab File: BE099495.D

Acq: 2 May 2019 16:18

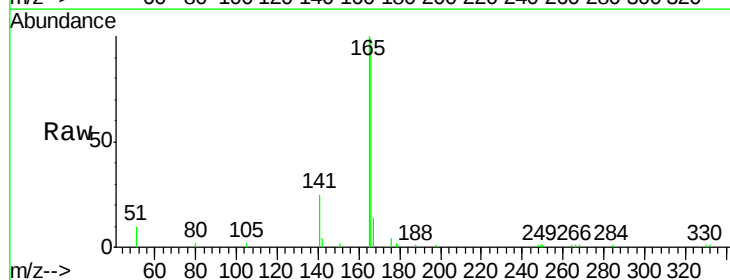
Tgt Ion:166 Resp: 8132

Ion Ratio Lower Upper

166 100

165 96.5 80.3 120.5

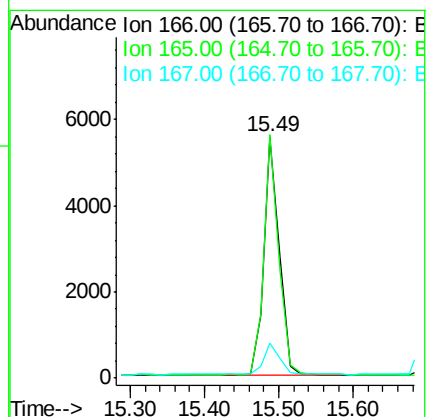
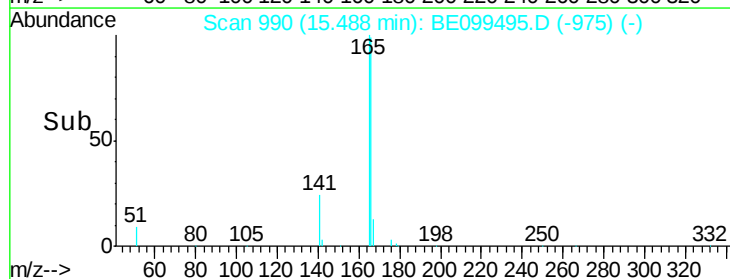
167 13.8 10.7 16.1

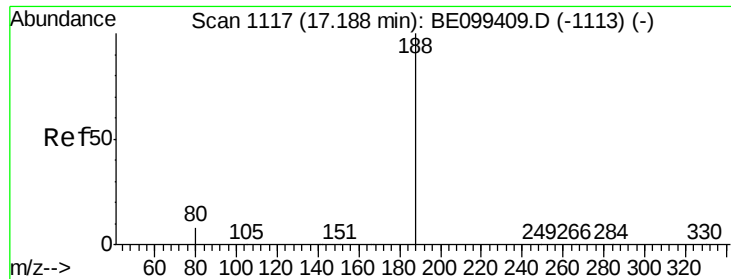


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE099495.D

Acq: 2 May 2019 16:18

Instrument :

BNA_E

ClientSampleId :

PST-001-B194-042519MS

Tot Ion:188 Resp: 15824

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

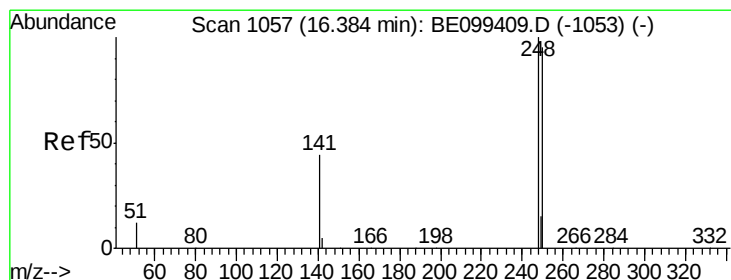
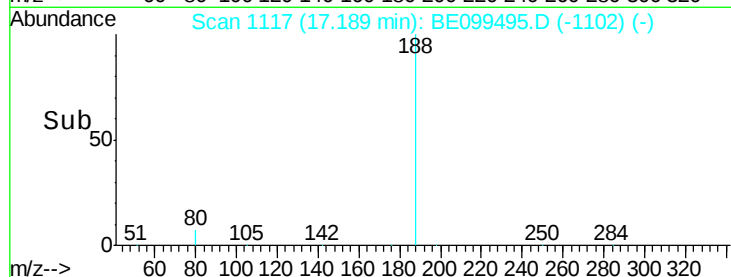
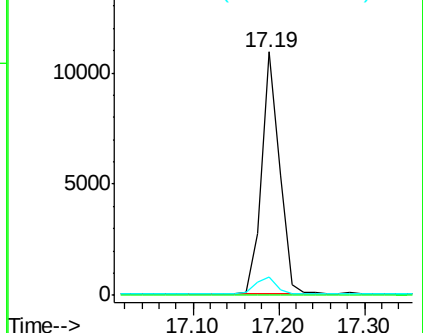
80 7.7 6.7 10.1



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: 0.374 ng

RT: 16.39 min Scan# 1057

Delta R.T. 0.00 min

Lab File: BE099495.D

Acq: 2 May 2019 16:18

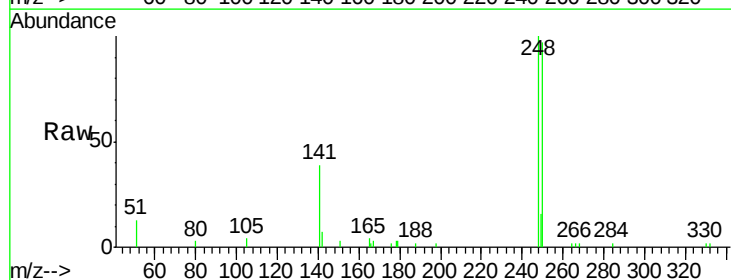
Tgt Ion:248 Resp: 3442

Ion Ratio Lower Upper

248 100

250 97.0 75.8 113.8

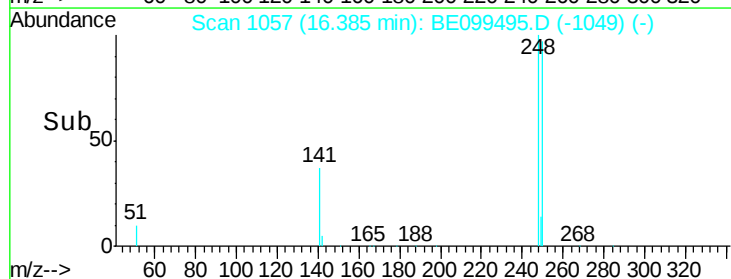
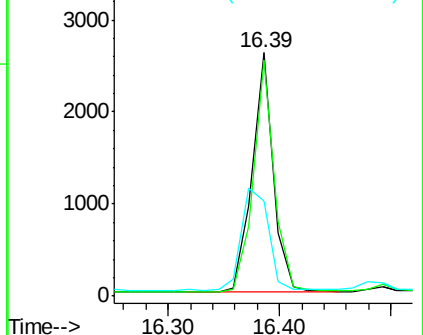
141 39.2 35.7 53.5

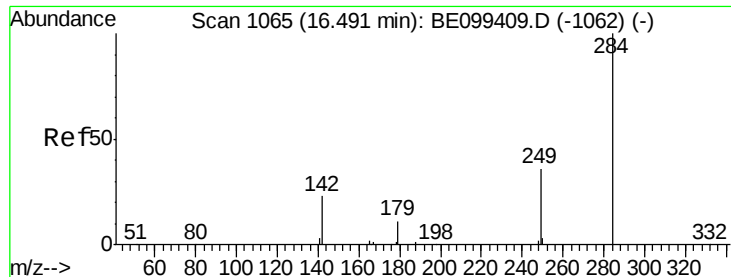


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

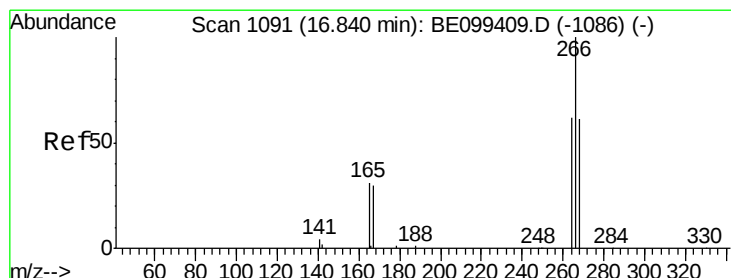
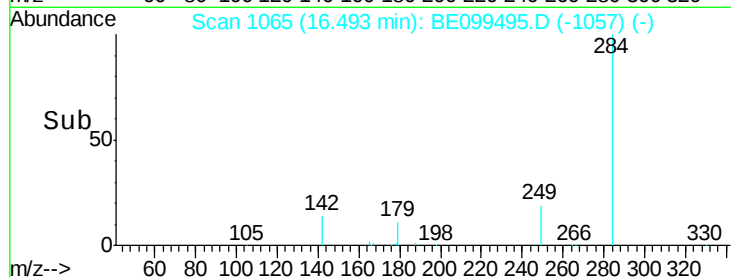
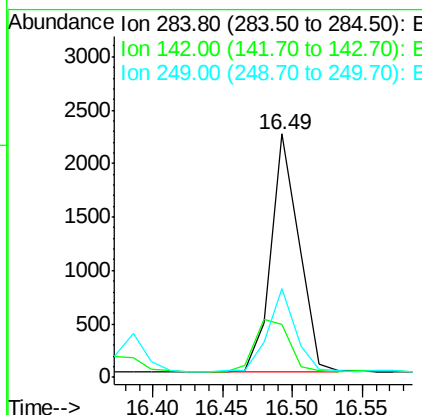
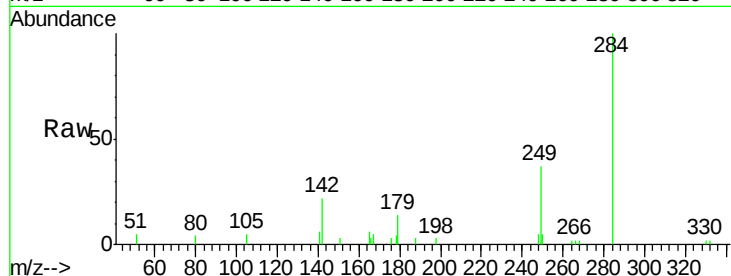




#21
Hexachlorobenzene
Concen: 0.355 ng
RT: 16.49 min Scan# 1065
Delta R.T. 0.00 min
Lab File: BE099495.D
Acq: 2 May 2019 16:18

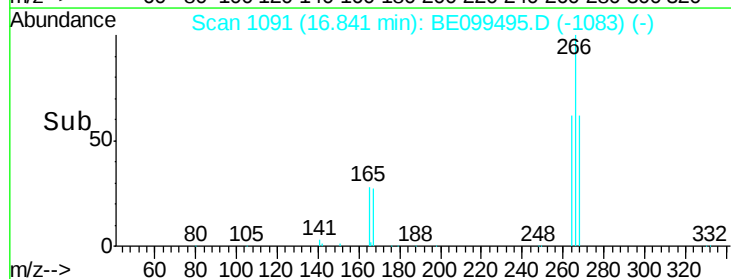
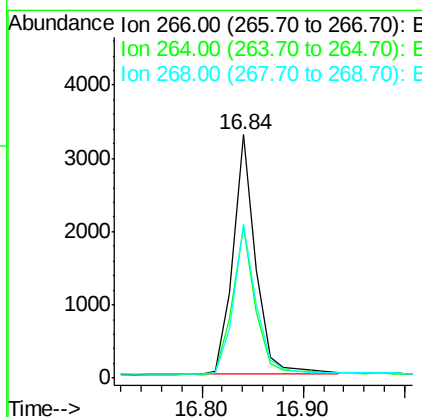
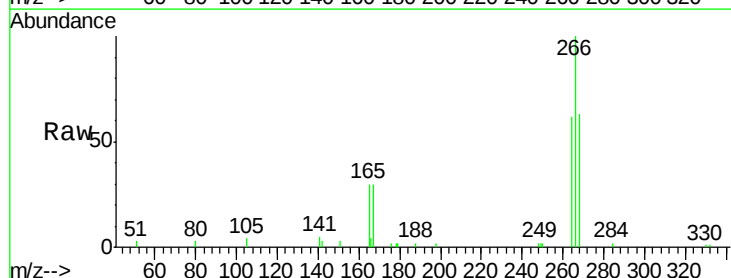
Instrument :
BNA_E
ClientSampleId :
PST-001-B194-042519MS

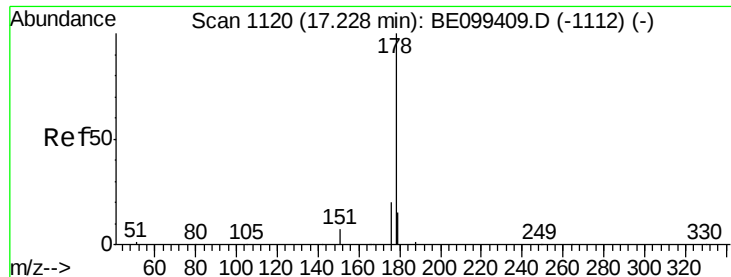
Tot Ion	Ratio	Lower	Upper
284	100		
142	26.7	21.0	31.6
249	34.3	26.7	40.1



#22
Pentachlorophenol
Concen: 1.188 ng
RT: 16.84 min Scan# 1091
Delta R.T. 0.00 min
Lab File: BE099495.D
Acq: 2 May 2019 16:18

Tgt Ion	Ratio	Lower	Upper
266	100		
264	62.2	50.8	76.2
268	63.1	50.5	75.7





#23

Phenanthrene

Concen: 0.465 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099495.D

Acq: 2 May 2019 16:18

Instrument :

BNA_E

ClientSampleId :

PST-001-B194-042519MS

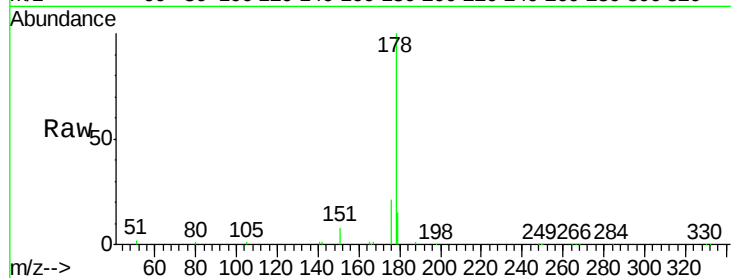
Tot Ion:178 Resp: 18973

Ion Ratio Lower Upper

178 100

176 19.8 15.6 23.4

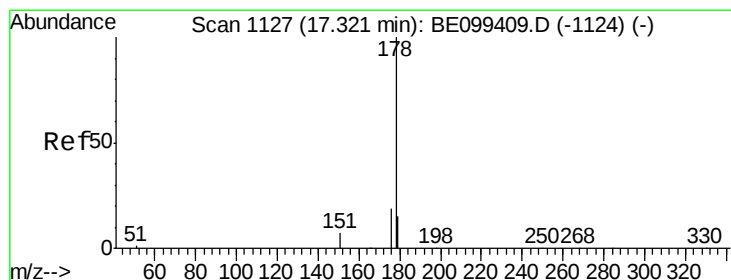
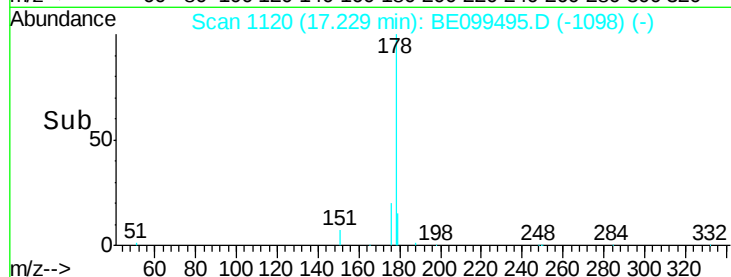
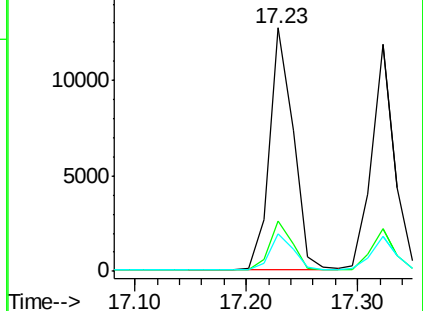
179 15.2 12.0 18.0



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: 0.431 ng

RT: 17.32 min Scan# 1127

Delta R.T. 0.00 min

Lab File: BE099495.D

Acq: 2 May 2019 16:18

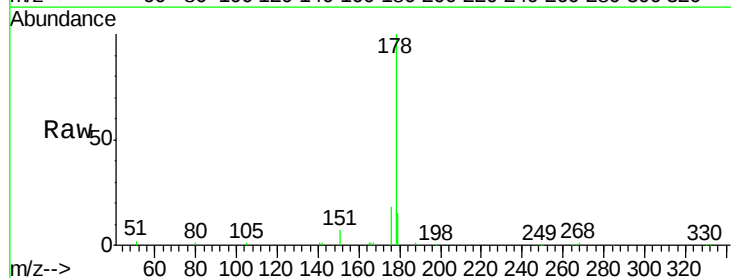
Tgt Ion:178 Resp: 16772

Ion Ratio Lower Upper

178 100

176 18.8 14.9 22.3

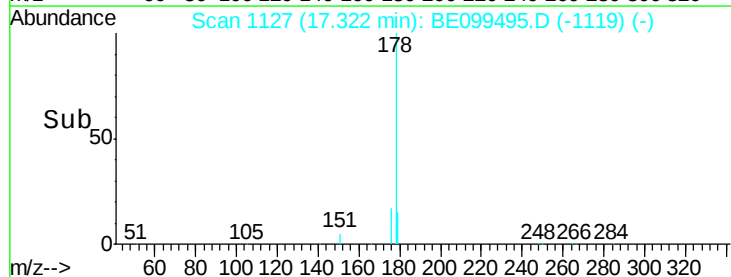
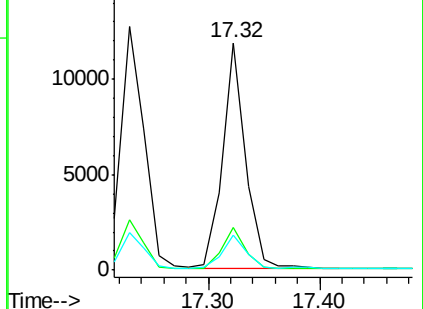
179 15.8 11.9 17.9

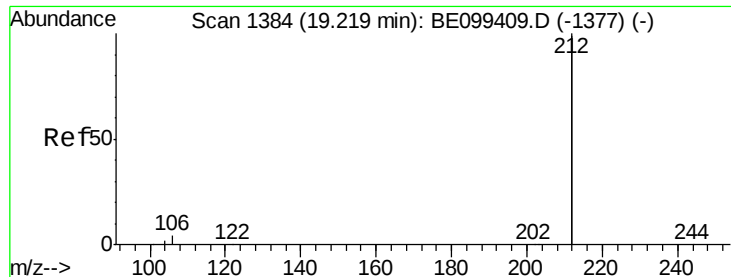


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.402 ng

RT: 19.22 min Scan# 1384

Delta R.T. -0.00 min

Lab File: BE099495.D

Acq: 2 May 2019 16:18

Instrument :

BNA_E

ClientSampleId :

PST-001-B194-042519MS

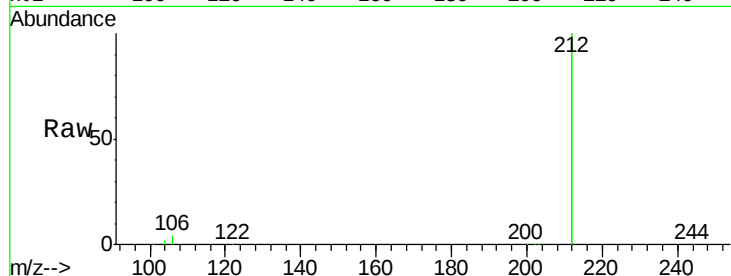
Tot Ion:212 Resp: 85785

Ion Ratio Lower Upper

212 100

106 1.8 1.5 2.3

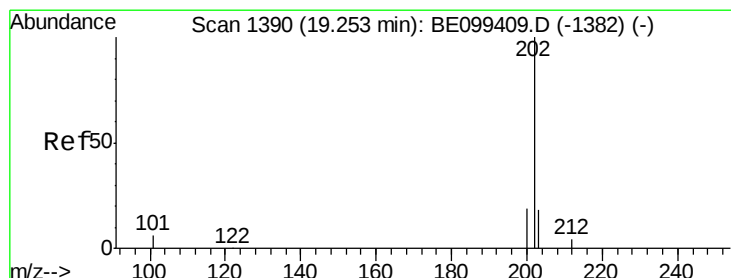
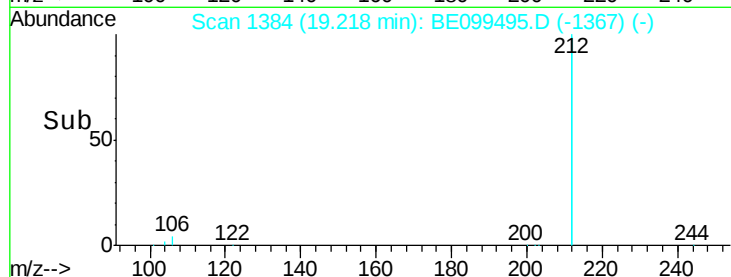
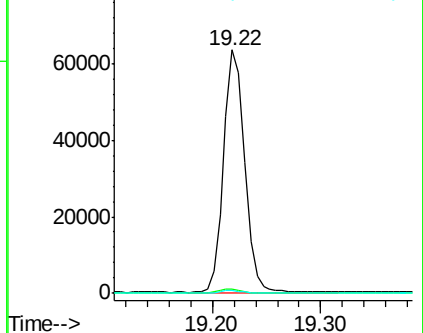
104 1.1 0.9 1.3



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: 0.591 ng

RT: 19.25 min Scan# 1390

Delta R.T. -0.00 min

Lab File: BE099495.D

Acq: 2 May 2019 16:18

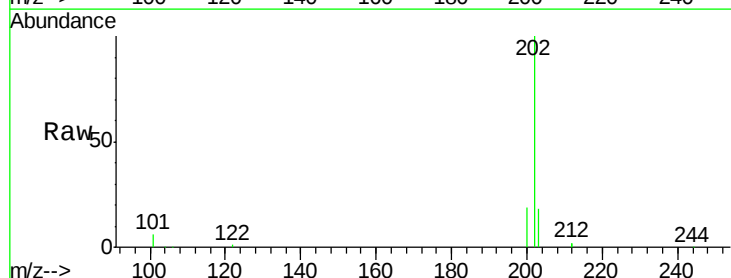
Tgt Ion:202 Resp: 36150

Ion Ratio Lower Upper

202 100

101 6.8 5.4 8.0

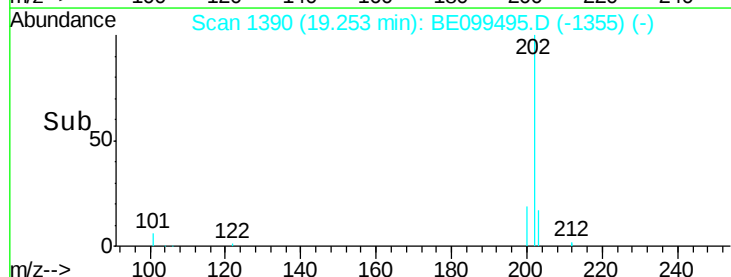
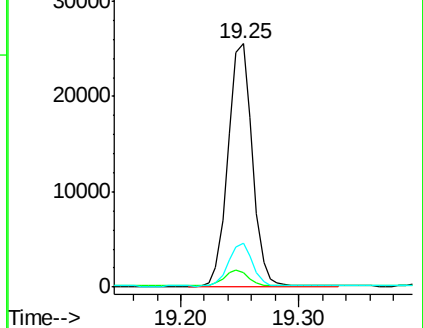
203 17.2 13.9 20.9



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

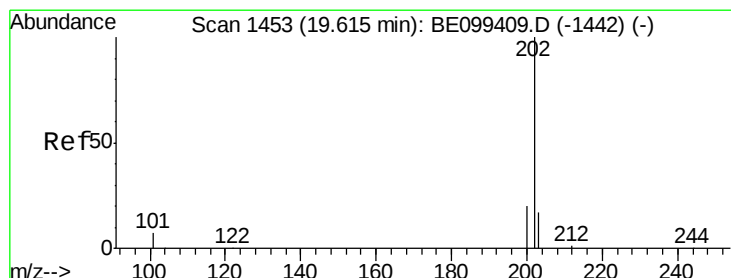
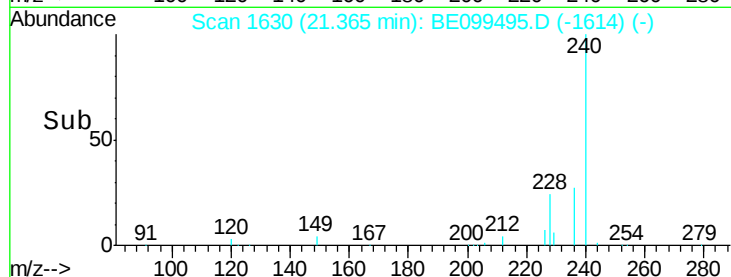
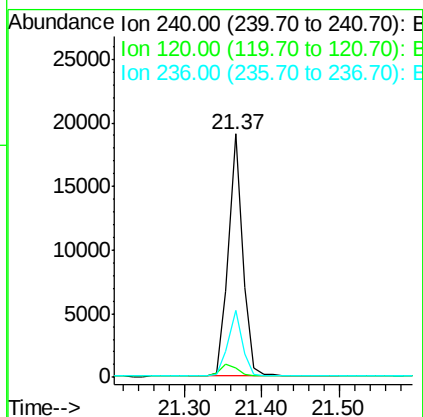
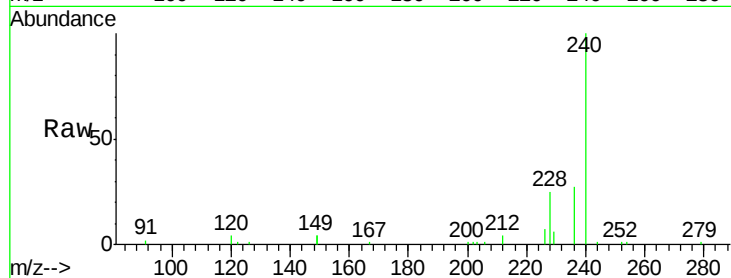




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.37 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: BE099495.D
 Acq: 2 May 2019 16:18

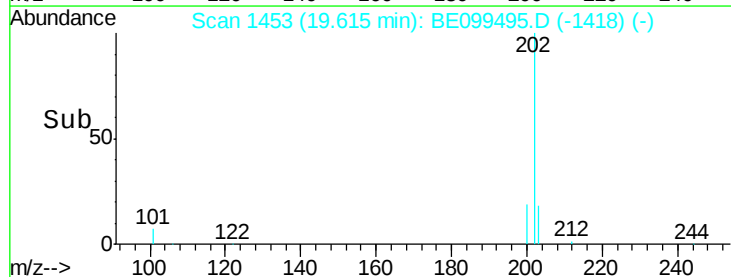
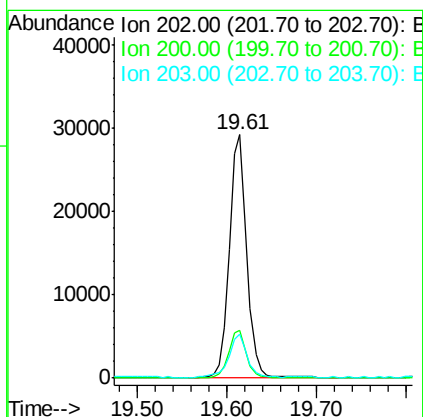
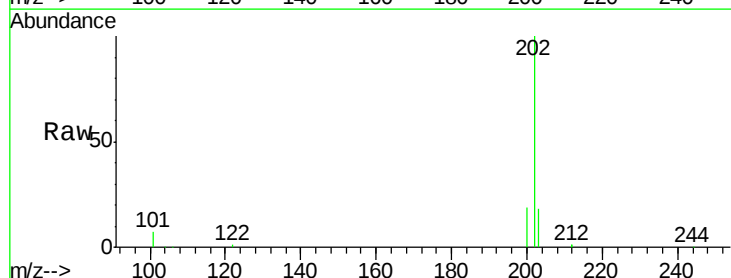
Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B194-042519MS

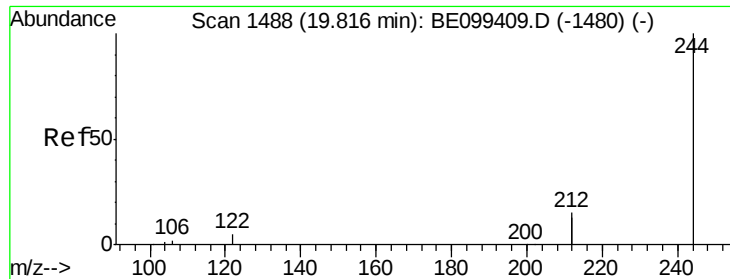
Tot Ion:240 Resp: 24844
 Ion Ratio Lower Upper
 240 100
 120 4.0 4.0 6.0#
 236 27.5 22.0 33.0



#28
 Pyrene
 Concen: 0.594 ng
 RT: 19.61 min Scan# 1453
 Delta R.T. -0.00 min
 Lab File: BE099495.D
 Acq: 2 May 2019 16:18

Tgt Ion:202 Resp: 38462
 Ion Ratio Lower Upper
 202 100
 200 19.5 15.7 23.5
 203 18.4 13.9 20.9





#29

Terphenyl-d14

Concen: 0.413 ng

RT: 19.82 min Scan# 1488

Delta R.T. -0.00 min

Lab File: BE099495.D

Acq: 2 May 2019 16:18

Instrument :

BNA_E

ClientSampleId :

PST-001-B194-042519MS

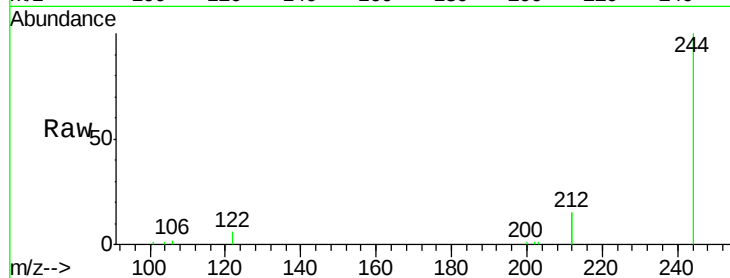
Tot Ion:244 Resp: 18773

Ion Ratio Lower Upper

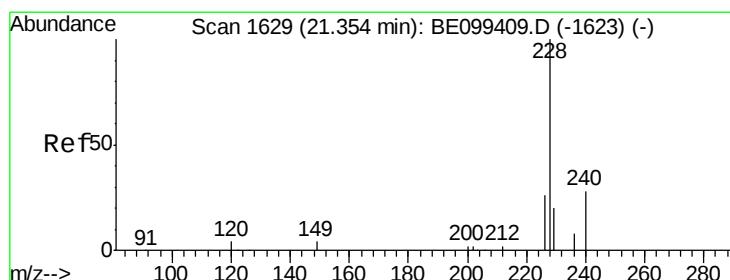
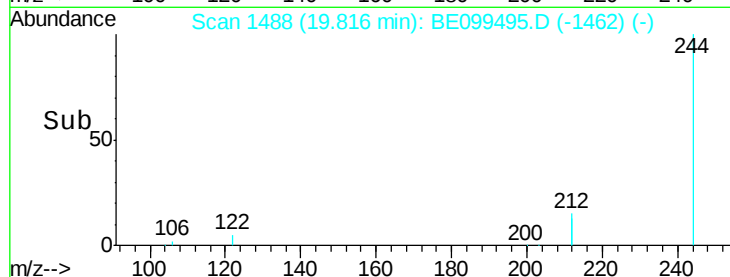
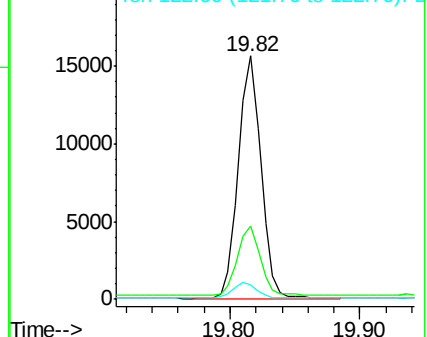
244 100

212 29.9 23.2 34.8

122 6.0 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: 0.548 ng

RT: 21.35 min Scan# 1629

Delta R.T. -0.00 min

Lab File: BE099495.D

Acq: 2 May 2019 16:18

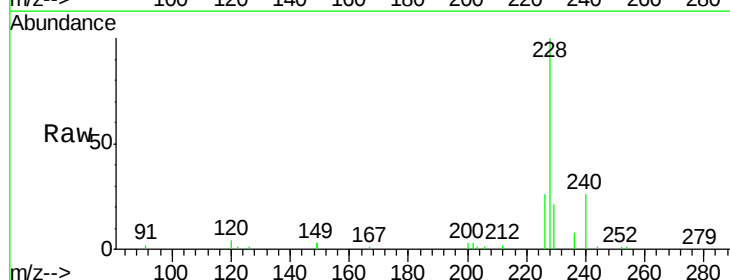
Tgt Ion:228 Resp: 43387

Ion Ratio Lower Upper

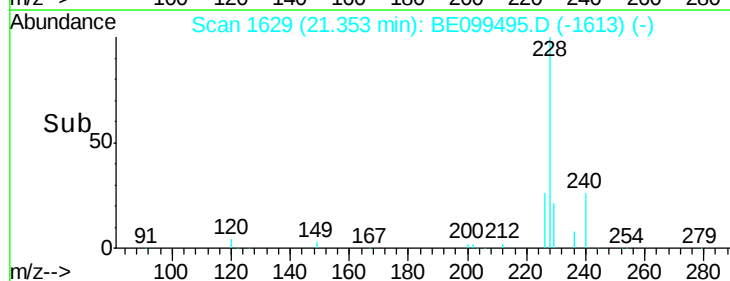
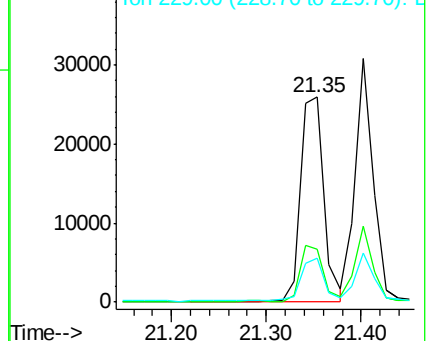
228 100

226 26.0 21.0 31.6

229 21.2 16.6 25.0



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.520 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.00 min

Lab File: BE099495.D

Acq: 2 May 2019 16:18

Instrument :

BNA_E

ClientSampleId :

PST-001-B194-042519MS

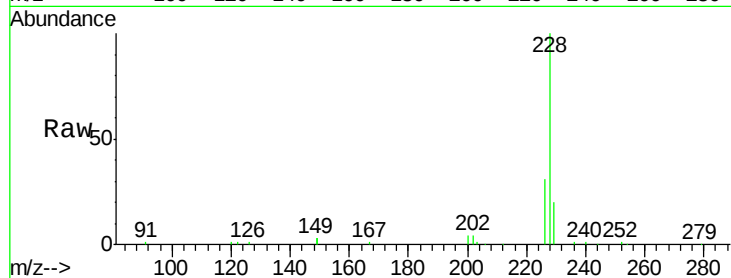
Tot Ion:228 Resp: 40254

Ion Ratio Lower Upper

228 100

226 31.0 24.0 36.0

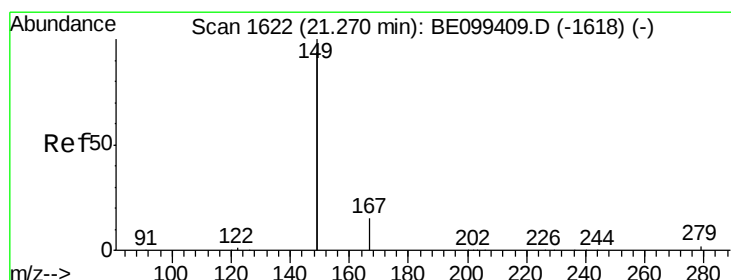
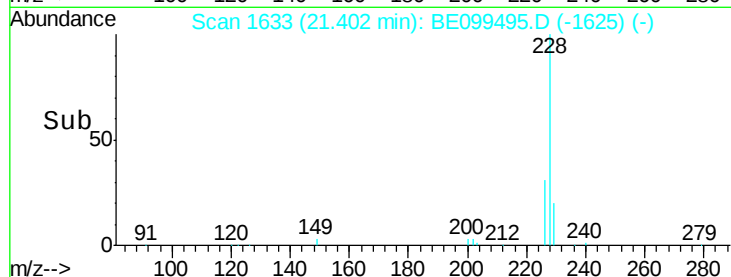
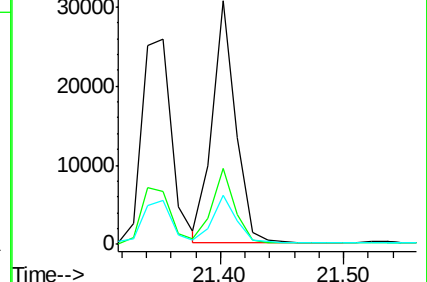
229 20.3 15.8 23.8



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: 0.483 ng

RT: 21.27 min Scan# 1622

Delta R.T. -0.00 min

Lab File: BE099495.D

Acq: 2 May 2019 16:18

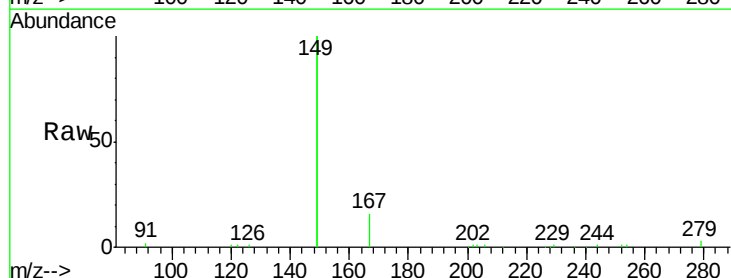
Tgt Ion:149 Resp: 61902

Ion Ratio Lower Upper

149 100

167 7.5 5.8 8.6

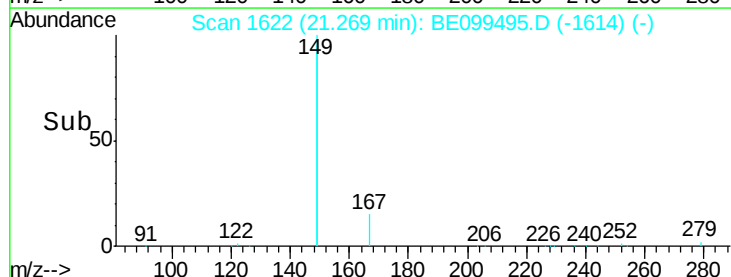
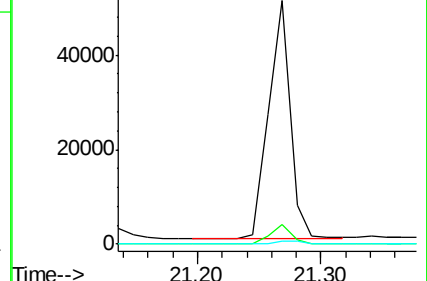
279 1.4 1.0 1.6

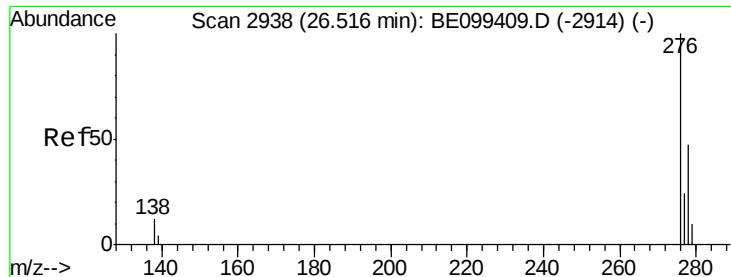


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.480 ng

RT: 26.51 min Scan# 2936

Delta R.T. -0.01 min

Lab File: BE099495.D

Acq: 2 May 2019 16:18

Instrument :

BNA_E

ClientSampleId :

PST-001-B194-042519MS

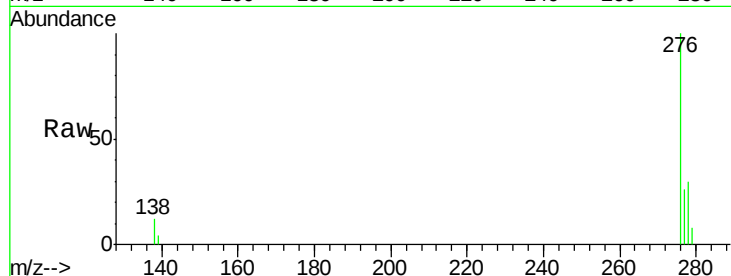
Tot Ion:276 Resp: 43941

Ion Ratio Lower Upper

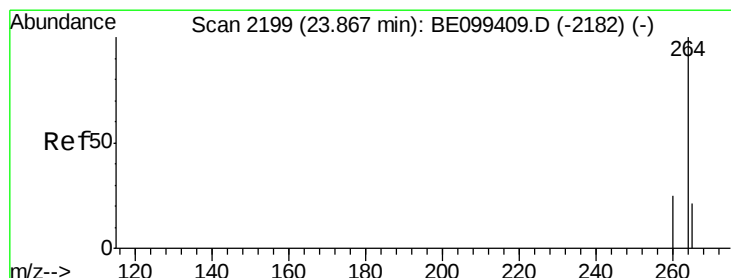
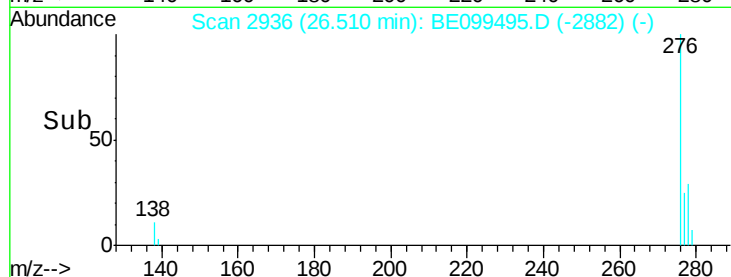
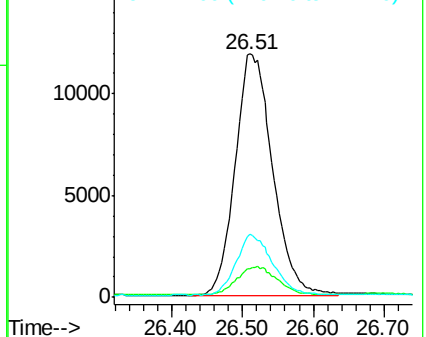
276 100

138 12.4 10.2 15.2

277 24.3 19.2 28.8



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.87 min Scan# 2200

Delta R.T. 0.00 min

Lab File: BE099495.D

Acq: 2 May 2019 16:18

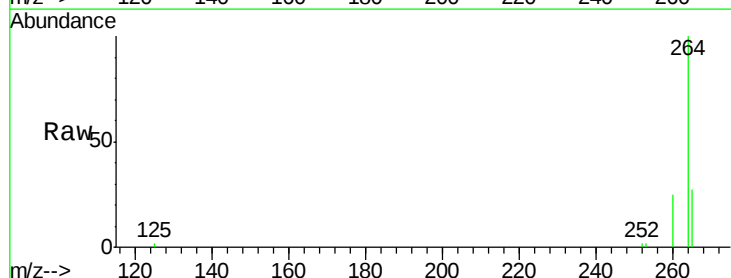
Tgt Ion:264 Resp: 28845

Ion Ratio Lower Upper

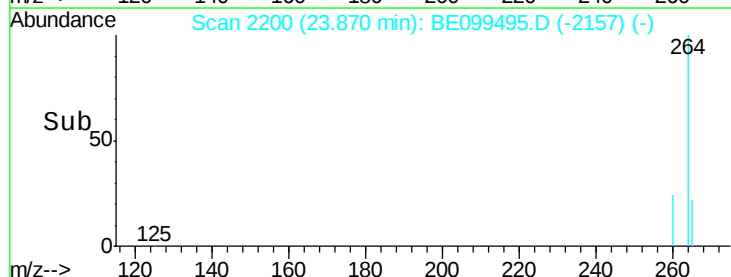
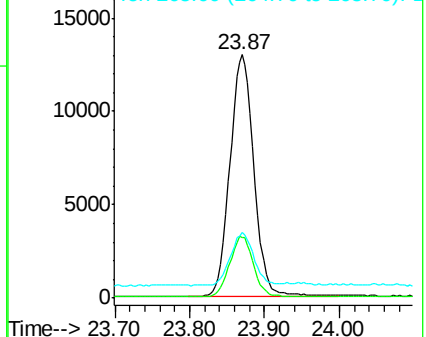
264 100

260 24.7 20.2 30.2

265 26.8 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: 0.493 ng

RT: 23.10 min Scan# 1983

Delta R.T. -0.00 min

Lab File: BE099495.D

Acq: 2 May 2019 16:18

Instrument :

BNA_E

ClientSampleId :

PST-001-B194-042519MS

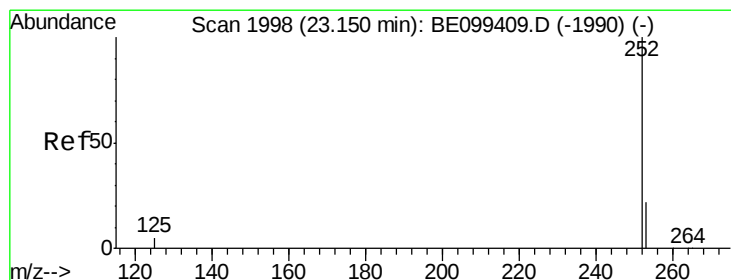
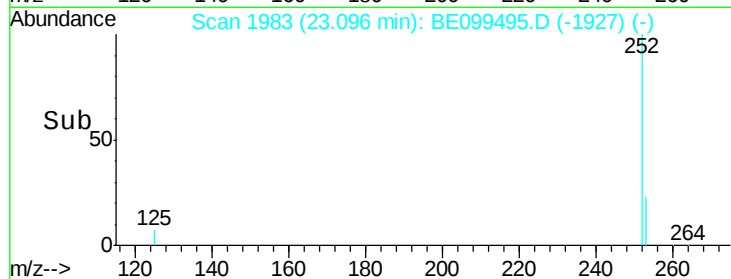
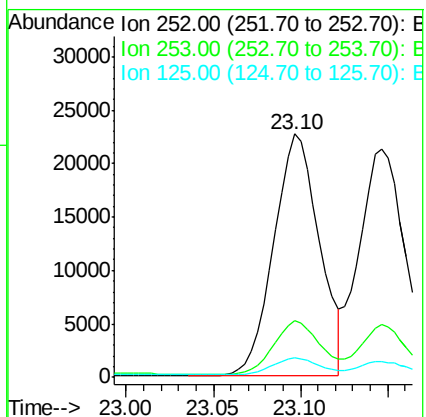
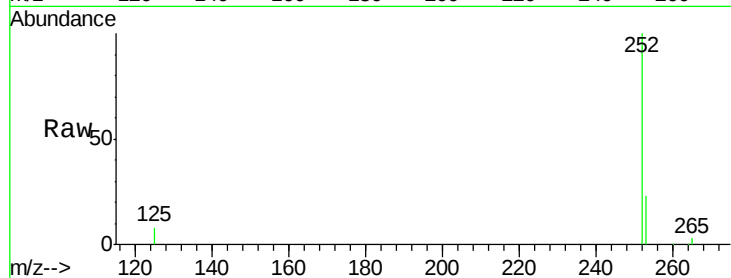
Tot Ion:252 Resp: 41029

Ion Ratio Lower Upper

252 100

253 23.5 18.1 27.1

125 8.1 5.6 8.4



#36

Benzo(k)fluoranthene

Concen: 0.493 ng

RT: 23.15 min Scan# 1997

Delta R.T. -0.00 min

Lab File: BE099495.D

Acq: 2 May 2019 16:18

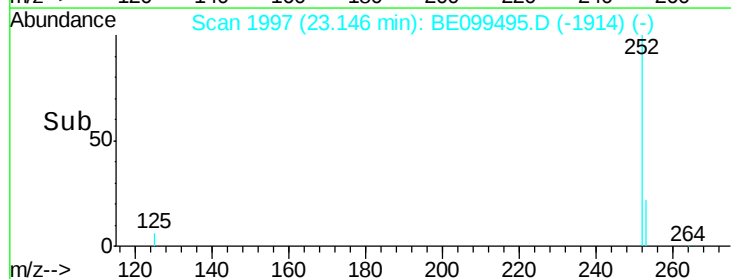
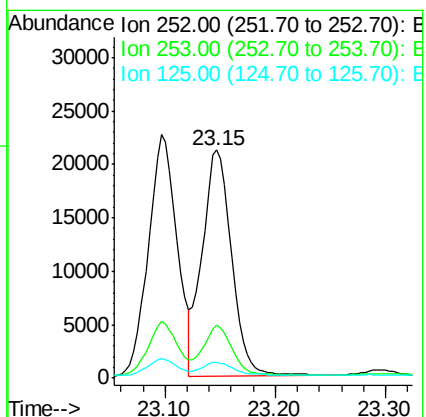
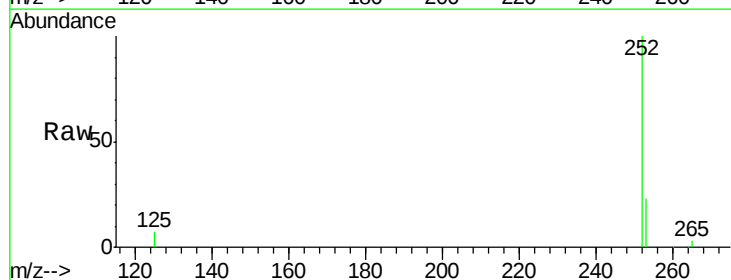
Tgt Ion:252 Resp: 39502

Ion Ratio Lower Upper

252 100

253 22.9 18.4 27.6

125 7.0 5.0 7.4





#37

Benzo(a)pyrene

Concen: 0.498 ng

RT: 23.76 min Scan# 2168

Delta R.T. -0.00 min

Lab File: BE099495.D

Acq: 2 May 2019 16:18

Instrument :

BNA_E

ClientSampleId :

PST-001-B194-042519MS

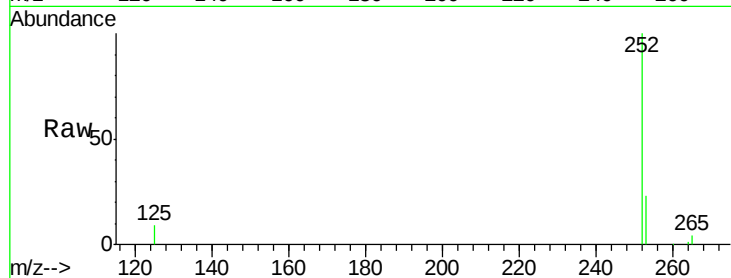
Tot Ion:252 Resp: 39167

Ion Ratio Lower Upper

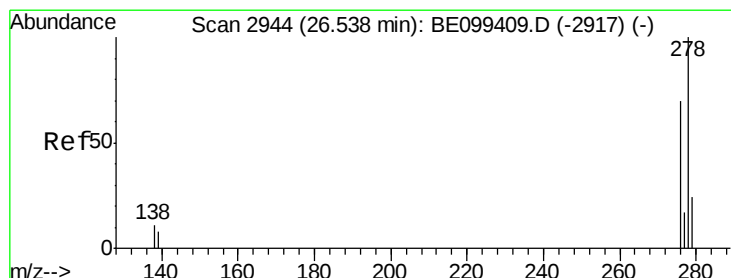
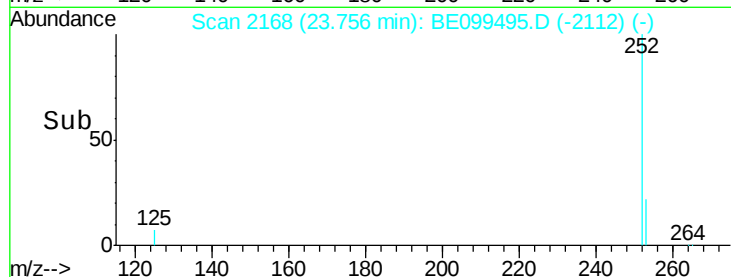
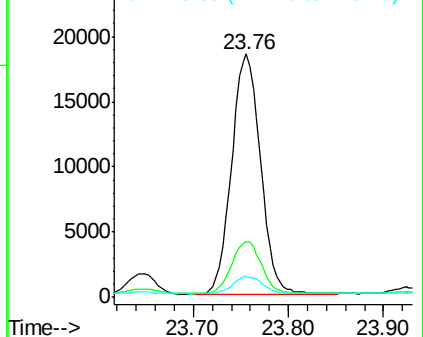
252 100

253 23.0 18.9 28.3

125 8.6 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: 0.428 ng

RT: 26.54 min Scan# 2945

Delta R.T. 0.00 min

Lab File: BE099495.D

Acq: 2 May 2019 16:18

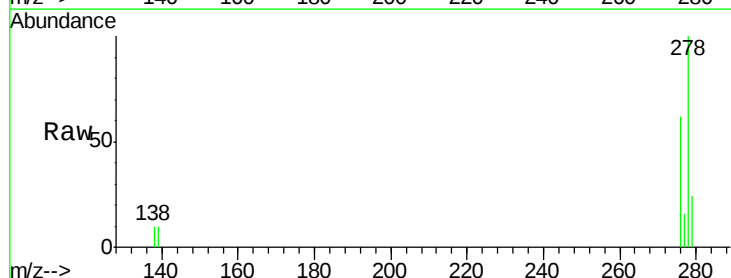
Tgt Ion:278 Resp: 34425

Ion Ratio Lower Upper

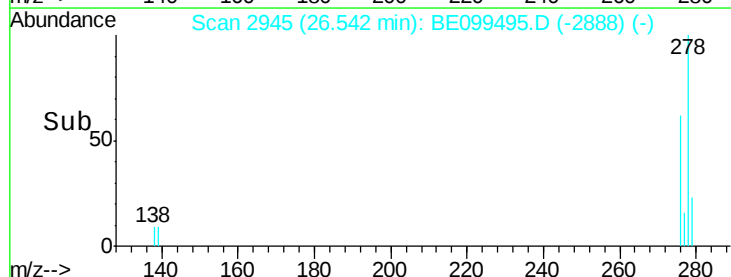
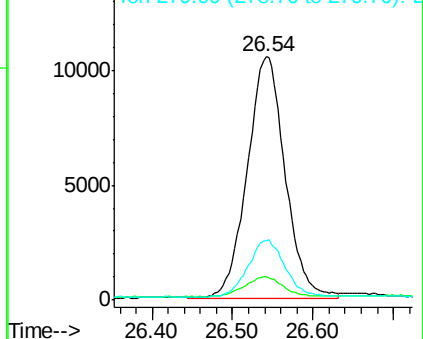
278 100

139 9.9 7.7 11.5

279 24.4 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: 0.465 ng

RT: 27.33 min Scan# 3167

Delta R.T. 0.00 min

Lab File: BE099495.D

Acq: 2 May 2019 16:18

Instrument :

BNA_E

ClientSampleId :

PST-001-B194-042519MS

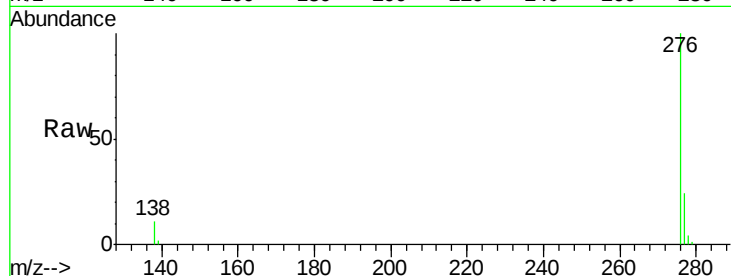
Tot Ion:276 Resp: 37509

Ion Ratio Lower Upper

276 100

277 24.5 19.5 29.3

138 11.5 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

