

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE043019\
 Data File : BE099424.D
 Acq On : 30 Apr 2019 13:46
 Operator : JU/SJ
 Sample : PB119230BS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB119230BS

Quant Time: Apr 30 23:57:48 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	7.82	152	2853	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	9812	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	6049	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	14902	0.40	ng	0.00
27) Chrysene-d12	21.37	240	18418	0.40	ng	0.00
34) Perylene-d12	23.86	264	22719	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.39	112	2105	0.27	ng	0.00
5) Phenol-d6	6.97	99	2847	0.27	ng	0.00
8) Nitrobenzene-d5	8.96	82	2326	0.25	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	6833	0.39	ng	0.00
14) 2,4,6-Tribromophenol	15.93	330	724	0.19	ng	-0.01
15) 2-Fluorobiphenyl	13.07	172	6298	0.27	ng	-0.01
25) Fluoranthene-d10	19.22	212	48628	0.24	ng	0.00
29) Terphenyl-d14	19.81	244	10496	0.31	ng	0.00

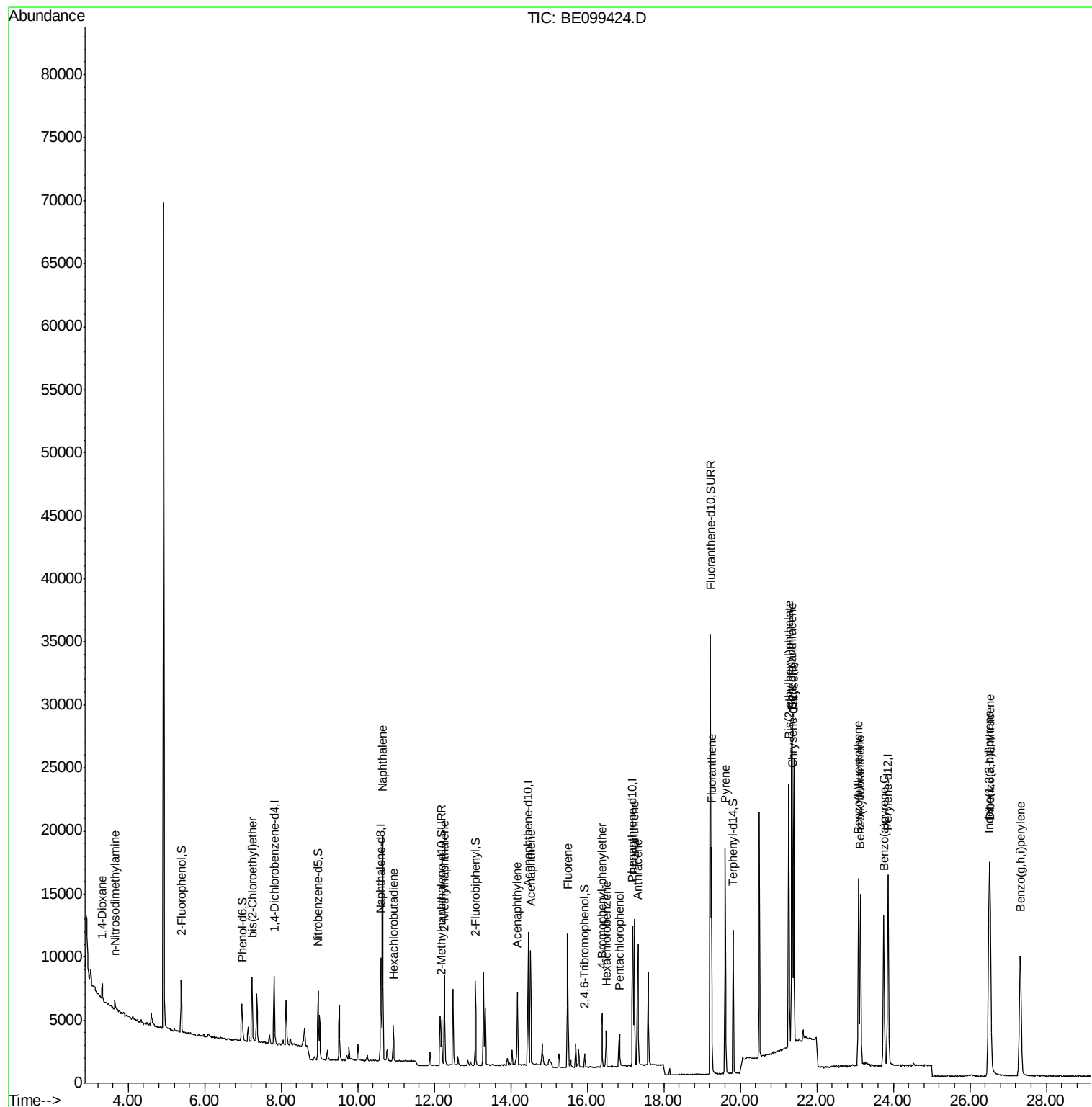
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.32	88	897	0.229	ng	# 65
3) n-Nitrosodimethylamine	3.65	42	583	0.246	ng	# 89
6) bis(2-Chloroethyl)ether	7.24	93	2271	0.251	ng	95
9) Naphthalene	10.65	128	28506	0.267	ng	100
10) Hexachlorobutadiene	10.93	225	2023	0.272	ng	95
12) 2-Methylnaphthalene	12.27	142	4885	0.263	ng	96
16) Acenaphthylene	14.17	152	7657	0.259	ng	99
17) Acenaphthene	14.51	154	4415	0.261	ng	99
18) Fluorene	15.49	166	6114	0.245	ng	97
20) 4-Bromophenyl-phenylether	16.39	248	2518	0.290	ng	# 90
21) Hexachlorobenzene	16.49	284	2429	0.294	ng	98
22) Pentachlorophenol	16.84	266	1595	0.536	ng	97
23) Phenanthrene	17.23	178	11449	0.298	ng	98
24) Anthracene	17.32	178	10662	0.291	ng	99
26) Fluoranthene	19.25	202	16136	0.280	ng	100
28) Pyrene	19.61	202	16828	0.351	ng	99
30) Benzo(a)anthracene	21.34	228	20211	0.344	ng	97
31) Chrysene	21.40	228	19208	0.334	ng	98
32) Bis(2-ethylhexyl)phthalate	21.27	149	26674	0.250	ng	99
33) Indeno(1,2,3-cd)pyrene	26.50	276	29341	0.432	ng	99
35) Benzo(b)fluoranthene	23.09	252	20288	0.310	ng	99
36) Benzo(k)fluoranthene	23.14	252	20713	0.328	ng	98
37) Benzo(a)pyrene	23.75	252	20591	0.332	ng	99
38) Dibenzo(a,h)anthracene	26.53	278	24539	0.387	ng	99
39) Benzo(g,h,i)perylene	27.32	276	25585	0.403	ng	100

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.82 min Scan# 430

Delta R.T. -0.00 min

Lab File: BE099424.D

Acq: 30 Apr 2019 13:46

Instrument :

BNA_E

ClientSampleId :

PB119230BS

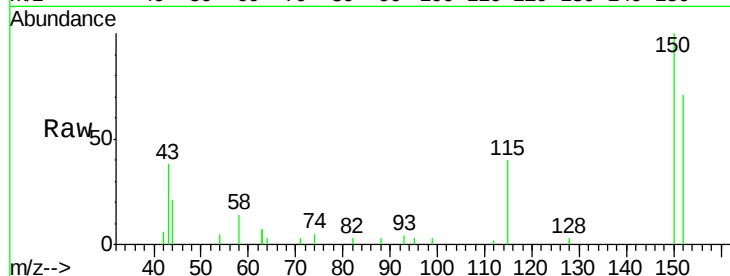
Tot Ion:152 Resp: 2853

Ion Ratio Lower Upper

152 100

150 141.1 104.8 157.2

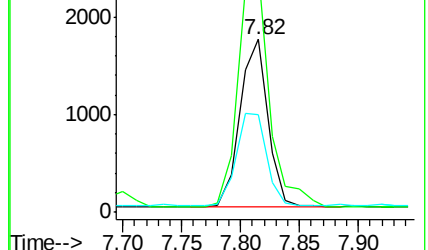
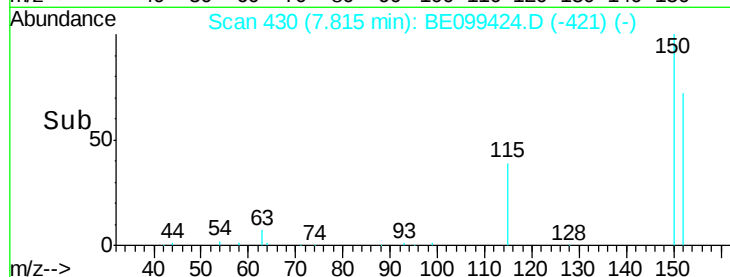
115 56.8 46.6 69.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.229 ng

RT: 3.32 min Scan# 40

Delta R.T. 0.01 min

Lab File: BE099424.D

Acq: 30 Apr 2019 13:46

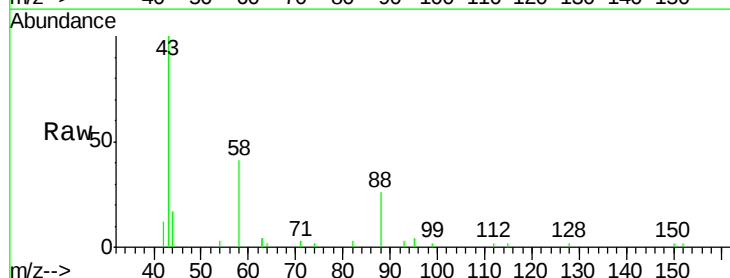
Tgt Ion: 88 Resp: 897

Ion Ratio Lower Upper

88 100

58 78.7 51.0 76.6#

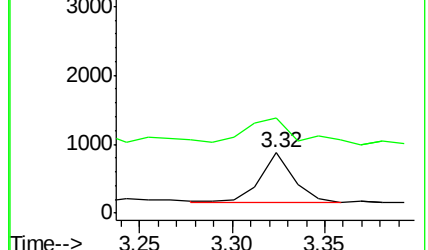
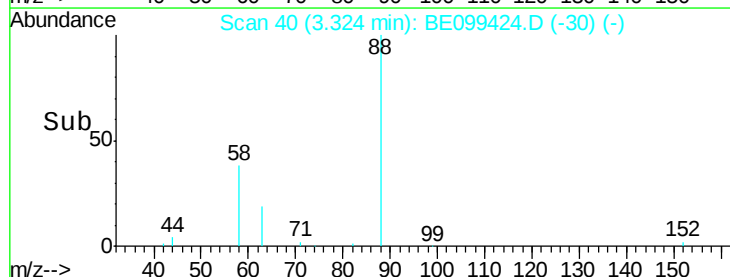
43 63.3 20.6 30.8#



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



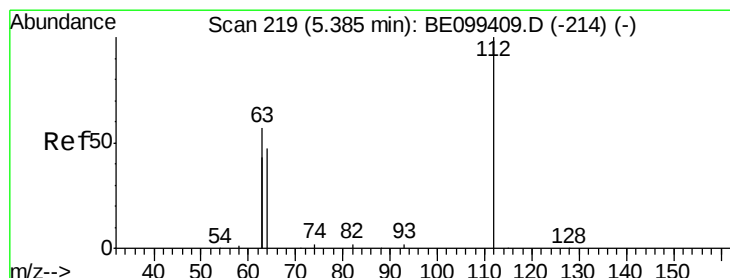
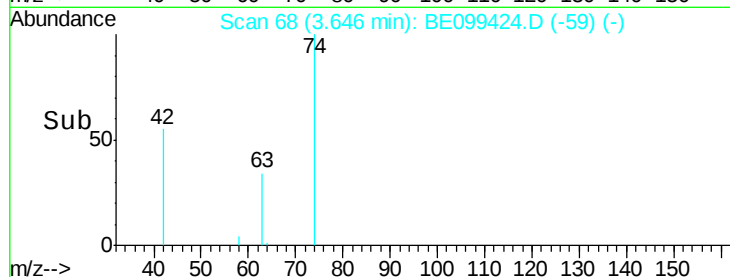
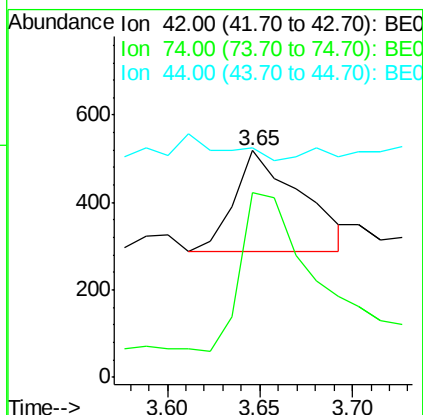
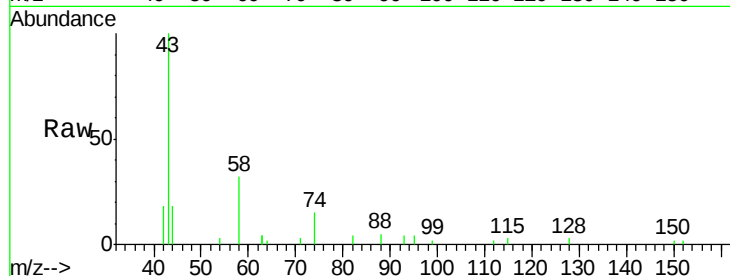


#3

n-Nitrosodimethylamine
 Concen: 0.246 ng
 RT: 3.65 min Scan# 68
 Delta R.T. -0.00 min
 Lab File: BE099424.D
 Acq: 30 Apr 2019 13:46

Instrument :
 BNA_E
 ClientSampleId :
 PB119230BS

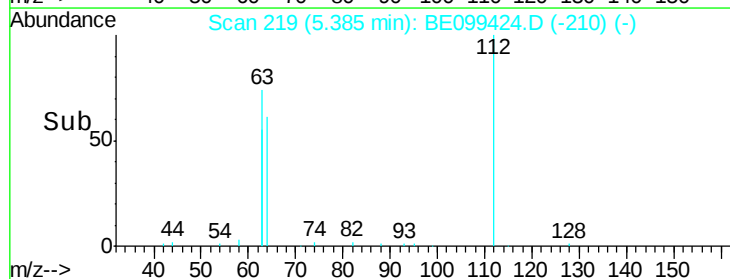
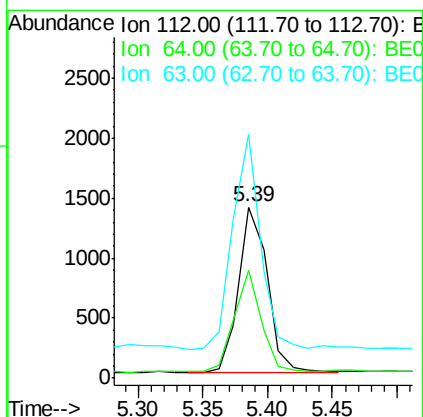
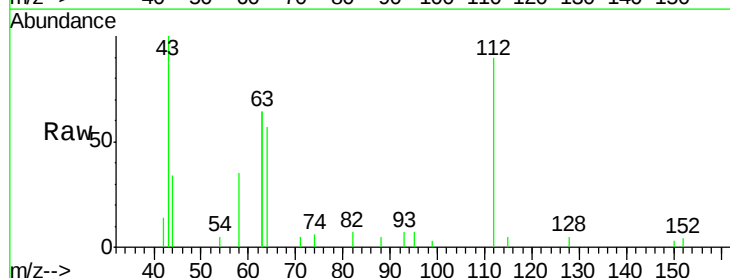
Tot Ion: 42 Resp: 583
 Ion Ratio Lower Upper
 42 100
 74 161.2 141.6 212.4
 44 0.0 0.0 0.0



#4

2-Fluorophenol
 Concen: 0.267 ng
 RT: 5.39 min Scan# 219
 Delta R.T. -0.00 min
 Lab File: BE099424.D
 Acq: 30 Apr 2019 13:46

Tgt Ion: 112 Resp: 2105
 Ion Ratio Lower Upper
 112 100
 64 57.2 47.4 71.0
 63 126.0 104.3 156.5





#5

Phenol-d6

Concen: 0.271 ng

RT: 6.97 min Scan# 357

Delta R.T. -0.00 min

Lab File: BE099424.D

Acq: 30 Apr 2019 13:46

Instrument :

BNA_E

ClientSampleId :

PB119230BS

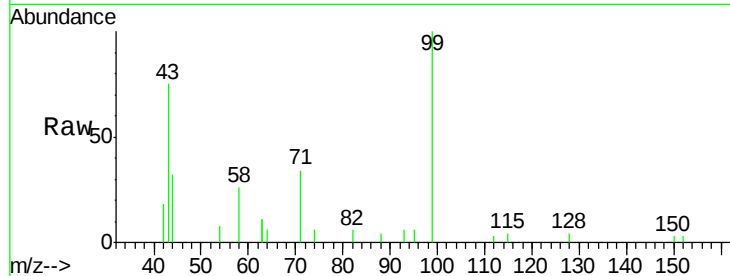
Tot Ion: 99 Resp: 2847

Ion Ratio Lower Upper

99 100

42 16.5 14.9 22.3

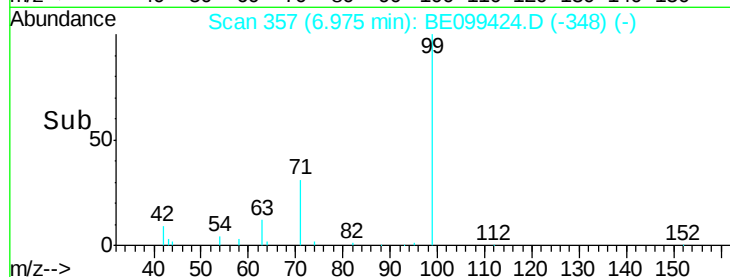
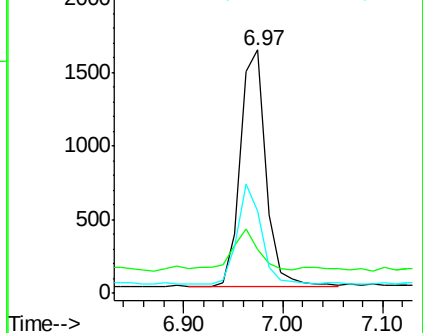
71 40.7 33.0 49.6



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.251 ng

RT: 7.24 min Scan# 380

Delta R.T. -0.00 min

Lab File: BE099424.D

Acq: 30 Apr 2019 13:46

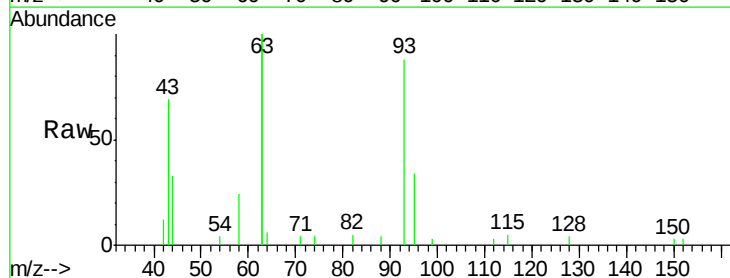
Tgt Ion: 93 Resp: 2271

Ion Ratio Lower Upper

93 100

63 278.0 215.6 323.4

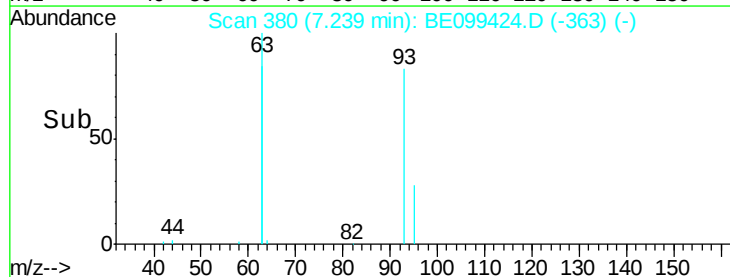
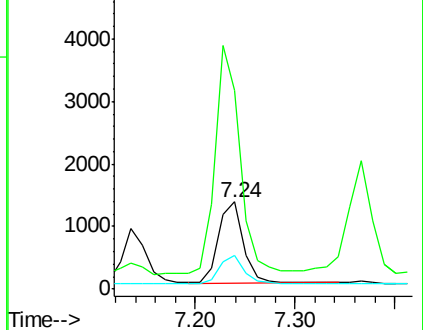
95 35.5 26.2 39.2

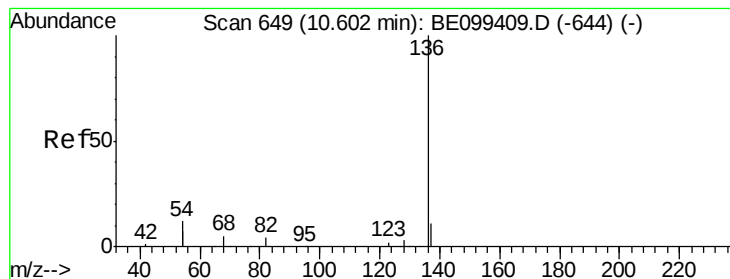


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE099424.D

Acq: 30 Apr 2019 13:46

Instrument :

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ClientSampleId :

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Tot Ion:136 Resp: 9812

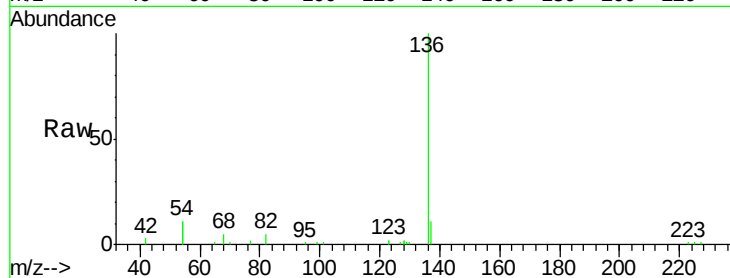
Ion Ratio Lower Upper

136 100

137 11.1 9.8 14.8

54 21.7 18.5 27.7

68 5.4 4.7 7.1

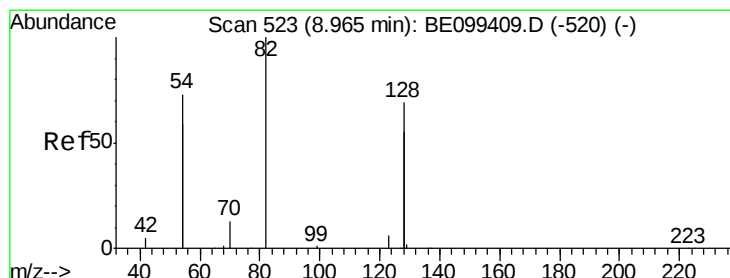
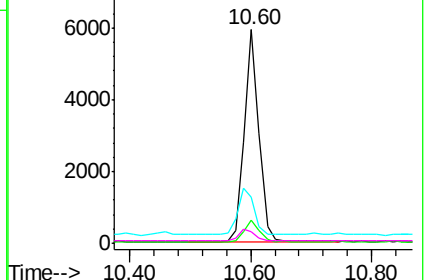
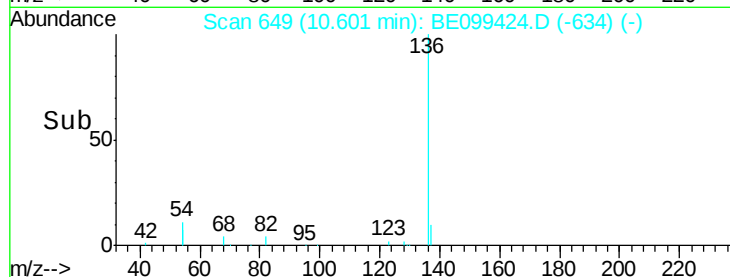


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.253 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099424.D

Acq: 30 Apr 2019 13:46

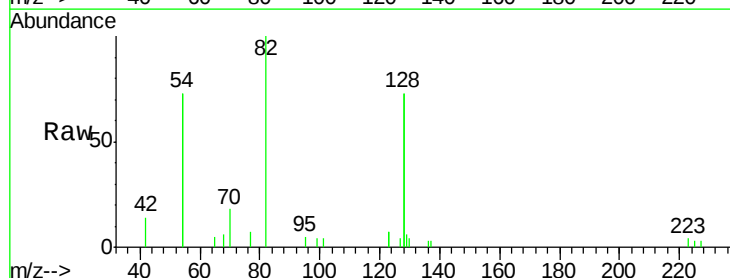
Tgt Ion: 82 Resp: 2326

Ion Ratio Lower Upper

82 100

128 146.4 107.0 160.4

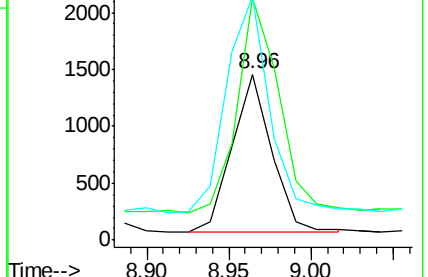
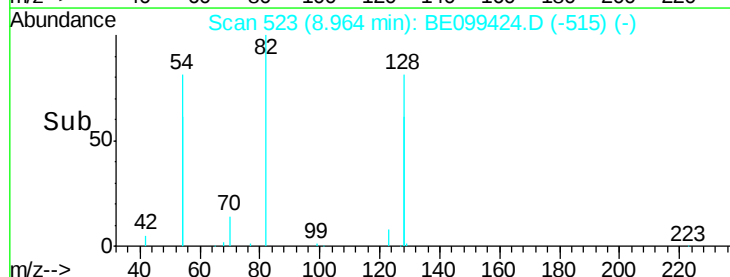
54 146.8 113.1 169.7

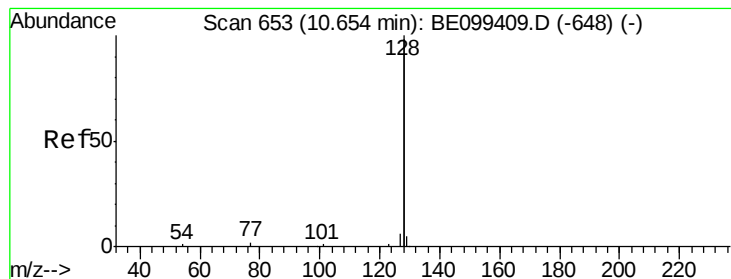


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.267 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BE099424.D

Acq: 30 Apr 2019 13:46

Instrument :

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PB119230BS

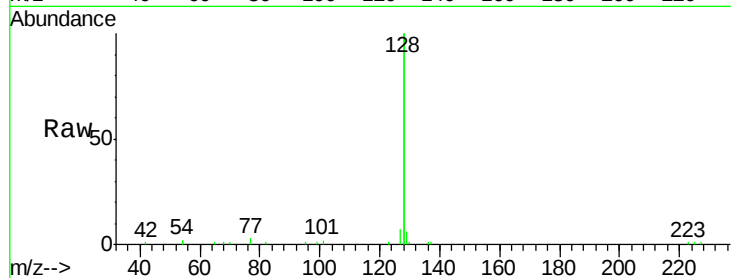
Tot Ion:128 Resp: 28506

Ion Ratio Lower Upper

128 100

129 3.2 2.4 3.6

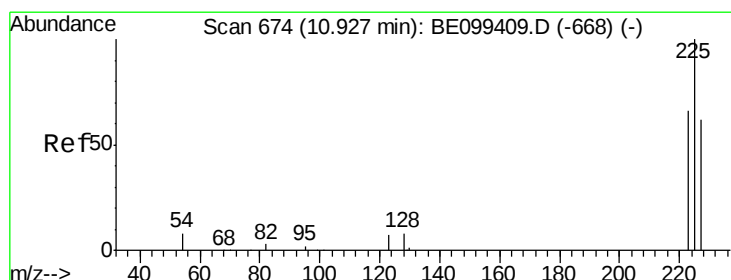
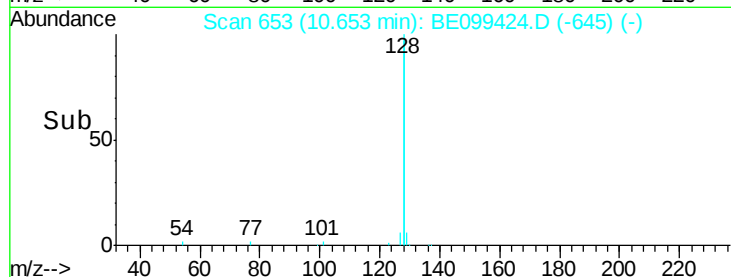
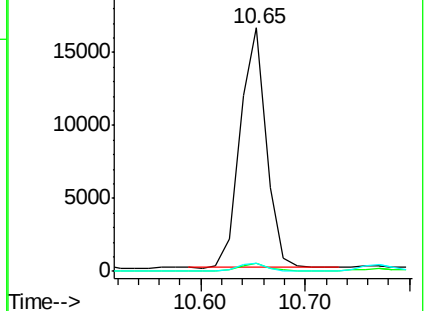
127 3.5 2.8 4.2



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: 0.272 ng

RT: 10.93 min Scan# 674

Delta R.T. -0.00 min

Lab File: BE099424.D

Acq: 30 Apr 2019 13:46

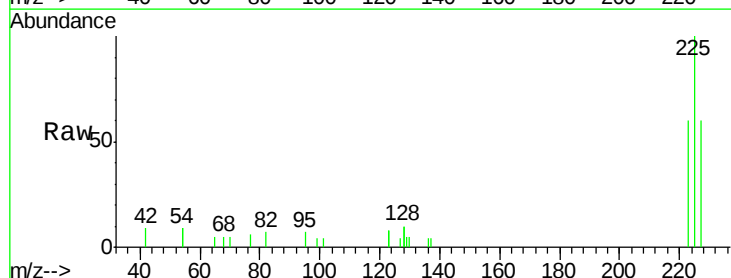
Tgt Ion:225 Resp: 2023

Ion Ratio Lower Upper

225 100

223 59.1 51.0 76.6

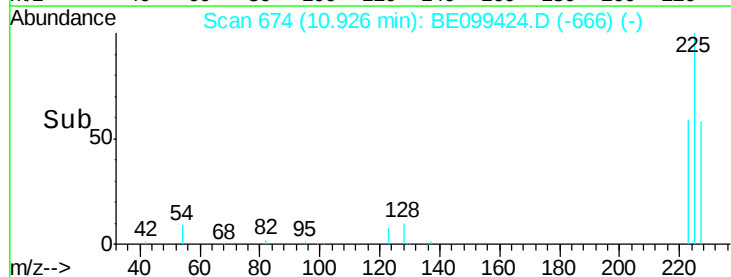
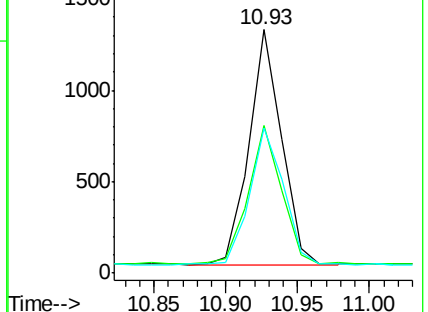
227 60.9 50.9 76.3

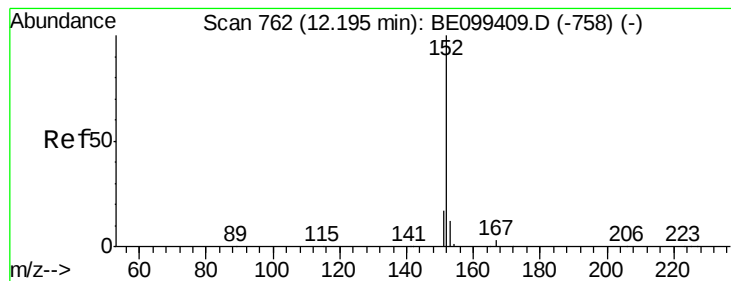


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.387 ng

RT: 12.19 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE099424.D

Acq: 30 Apr 2019 13:46

Instrument :

BNA_E

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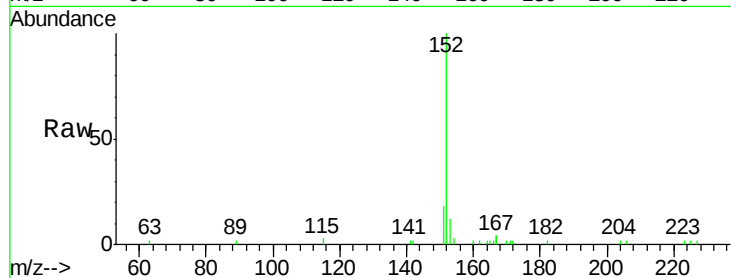
PB119230BS

Tot Ion:152 Resp: 6833

Ion Ratio Lower Upper

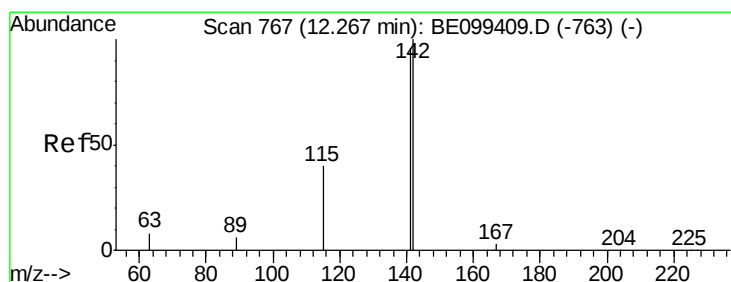
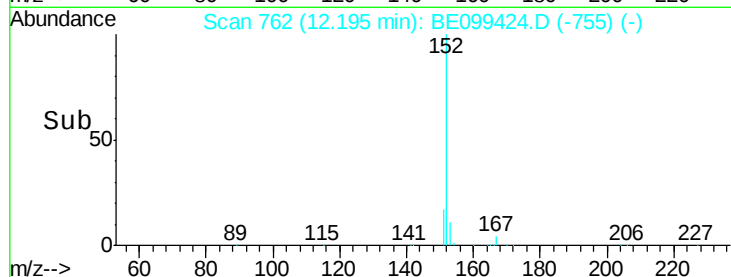
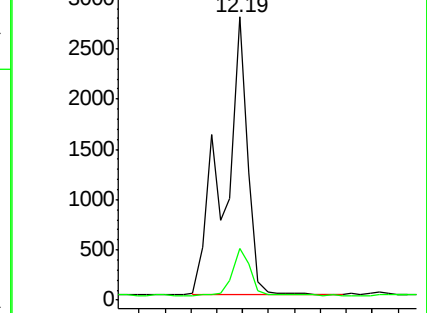
152 100

151 13.0 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: 0.263 ng

RT: 12.27 min Scan# 767

Delta R.T. -0.00 min

Lab File: BE099424.D

Acq: 30 Apr 2019 13:46

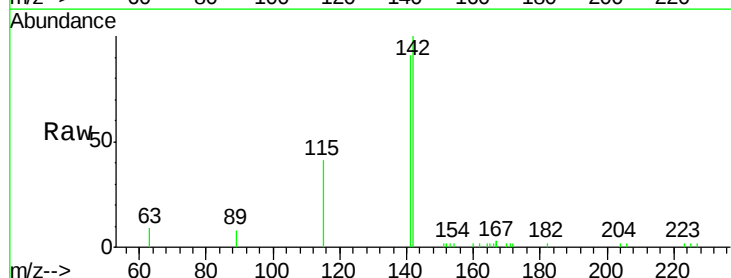
Tgt Ion:142 Resp: 4885

Ion Ratio Lower Upper

142 100

141 91.0 77.0 115.4

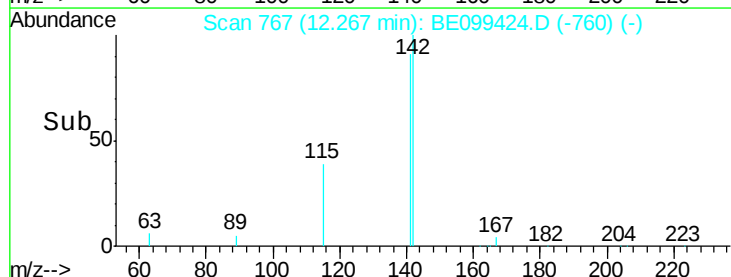
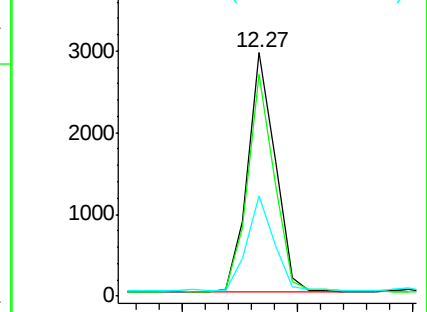
115 41.0 33.4 50.0



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

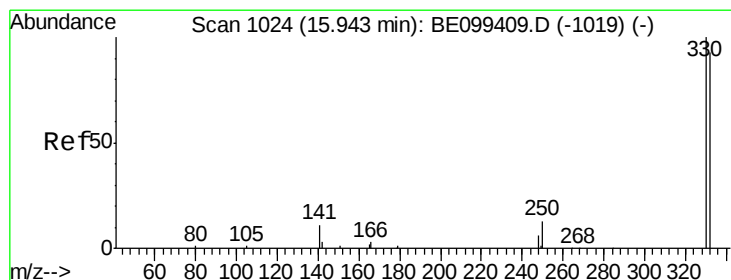
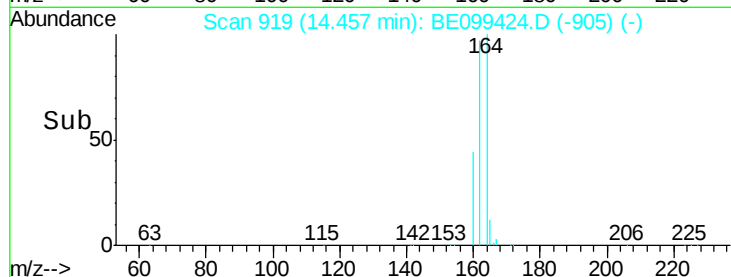
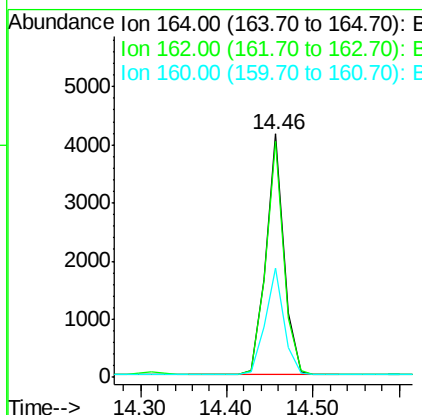
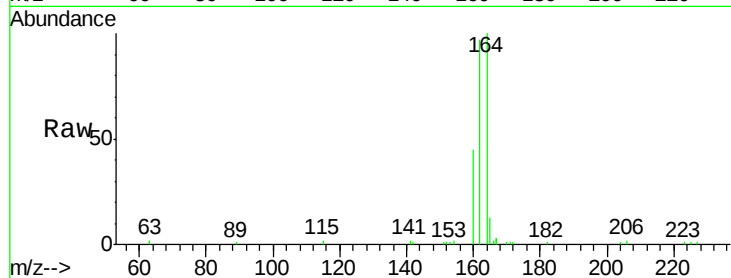




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.00 min
Lab File: BE099424.D
Acq: 30 Apr 2019 13:46

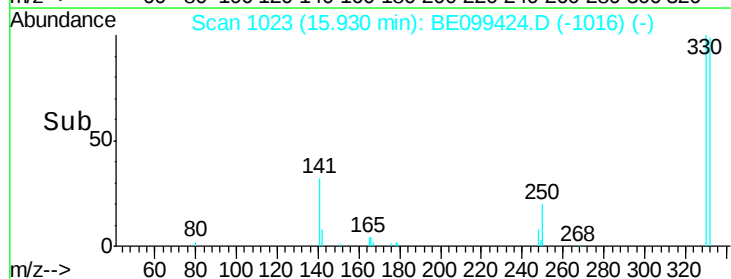
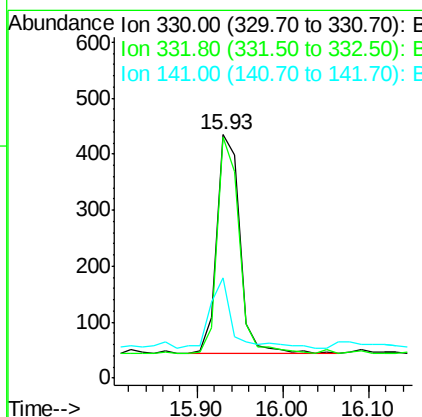
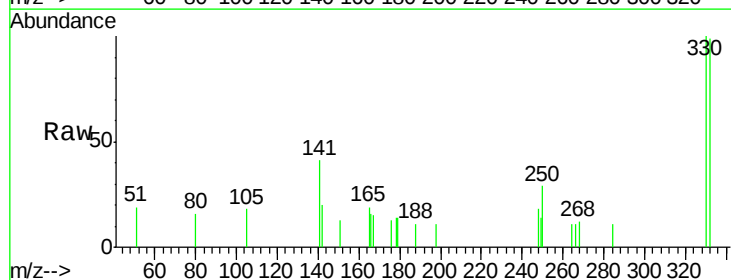
Instrument :
BNA_E
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PB119230BS

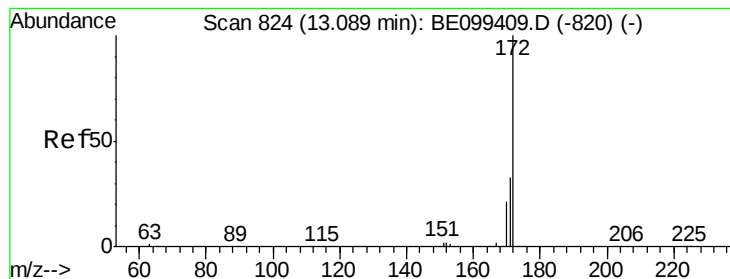
Tot Ion:164 Resp: 6049
Ion Ratio Lower Upper
164 100
162 97.0 79.0 118.4
160 44.9 37.0 55.4



#14
2,4,6-Tribromophenol
Concen: 0.190 ng
RT: 15.93 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BE099424.D
Acq: 30 Apr 2019 13:46

Tgt Ion:330 Resp: 724
Ion Ratio Lower Upper
330 100
332 94.1 71.5 107.3
141 31.6 24.0 36.0





#15

2-Fluorobiphenyl

Concen: 0.273 ng

RT: 13.07 min Scan# 823

Delta R.T. -0.01 min

Lab File: BE099424.D

Acq: 30 Apr 2019 13:46

Instrument :

BNA_E

ClientSampleId :

PB119230BS

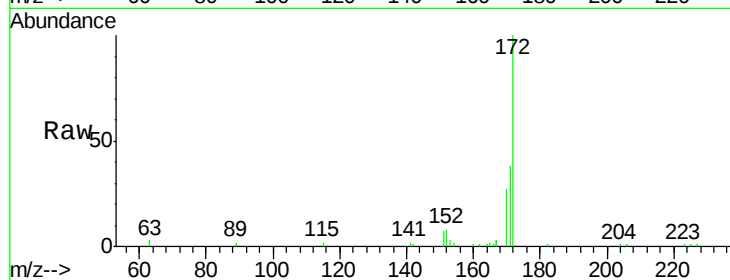
Tot Ion:172 Resp: 6298

Ion Ratio Lower Upper

172 100

171 38.3 26.6 39.8

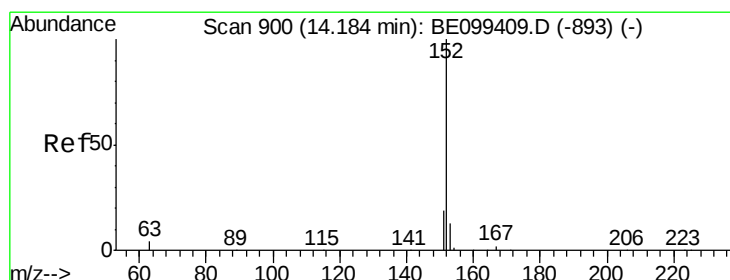
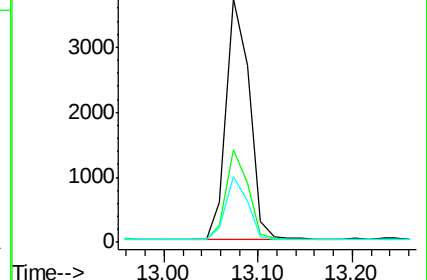
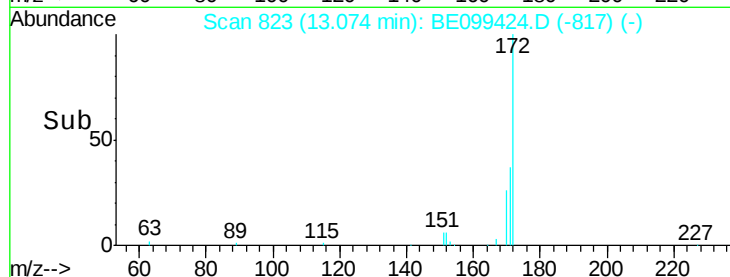
170 27.0 17.0 25.6#



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: 0.259 ng

RT: 14.17 min Scan# 899

Delta R.T. -0.01 min

Lab File: BE099424.D

Acq: 30 Apr 2019 13:46

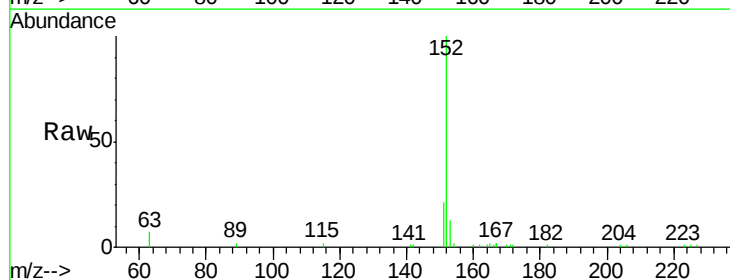
Tgt Ion:152 Resp: 7657

Ion Ratio Lower Upper

152 100

151 19.6 15.4 23.2

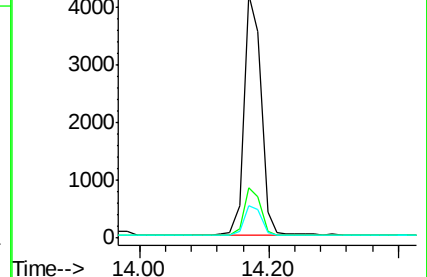
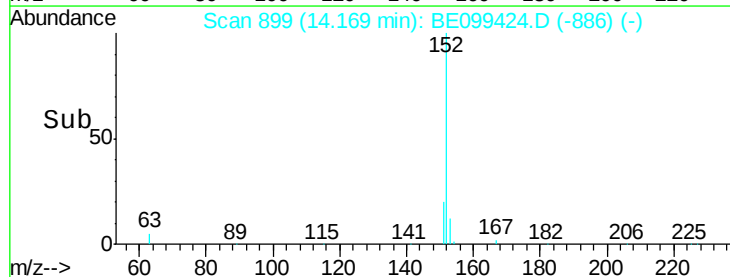
153 12.4 9.8 14.6

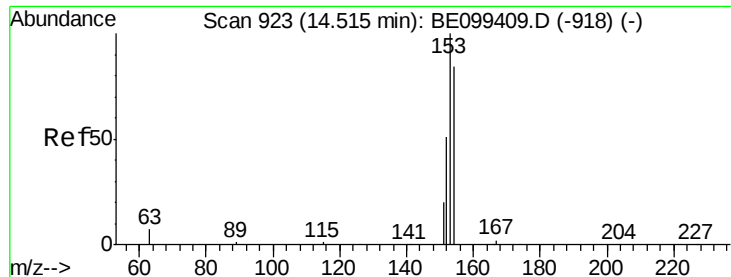


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.261 ng

RT: 14.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: BE099424.D

Acq: 30 Apr 2019 13:46

Instrument :

BNA_E

ClientSampleId :

PB119230BS

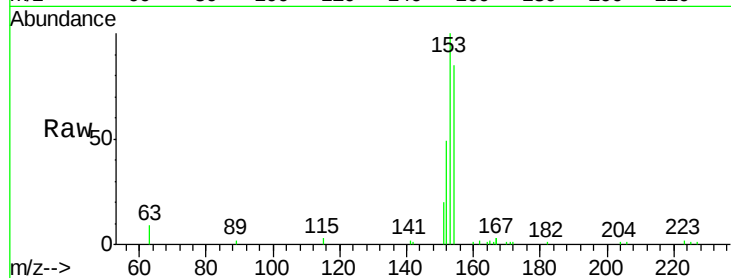
Tot Ion:154 Resp: 4415

Ion Ratio Lower Upper

154 100

153 116.3 92.6 138.8

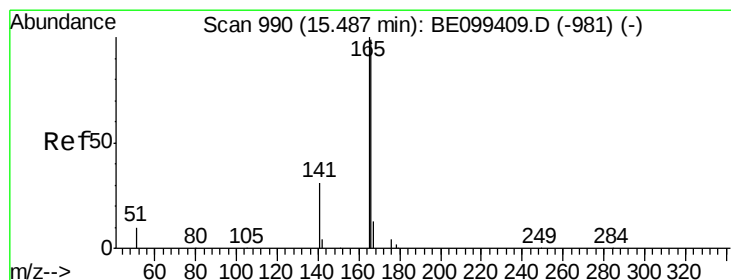
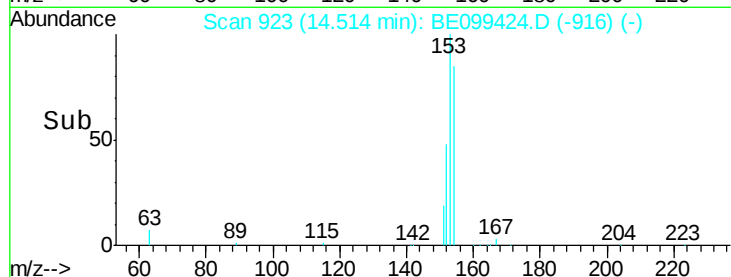
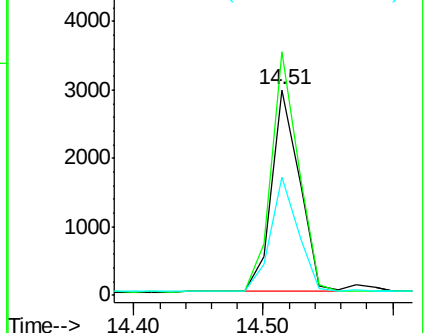
152 56.8 45.8 68.8



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: 0.245 ng

RT: 15.49 min Scan# 990

Delta R.T. 0.00 min

Lab File: BE099424.D

Acq: 30 Apr 2019 13:46

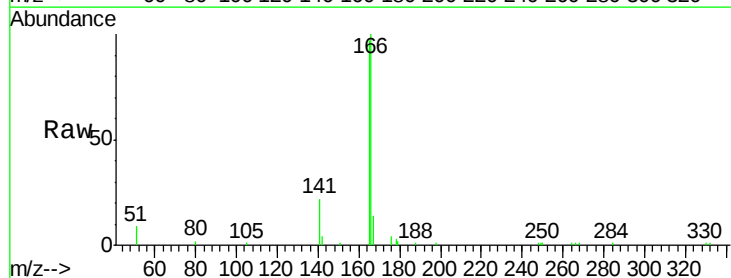
Tgt Ion:166 Resp: 6114

Ion Ratio Lower Upper

166 100

165 97.2 80.3 120.5

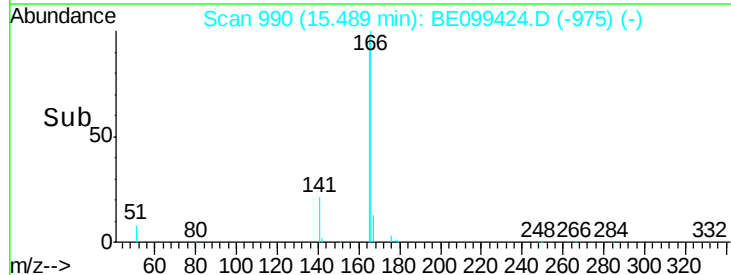
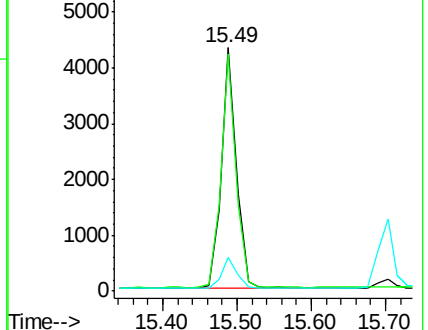
167 13.3 10.7 16.1

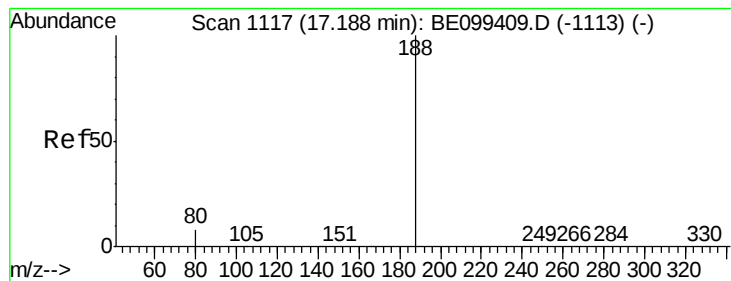


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE099424.D

Acq: 30 Apr 2019 13:46

Instrument :

BNA_E

ClientSampleId :

PB119230BS

Tot Ion:188 Resp: 14902

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

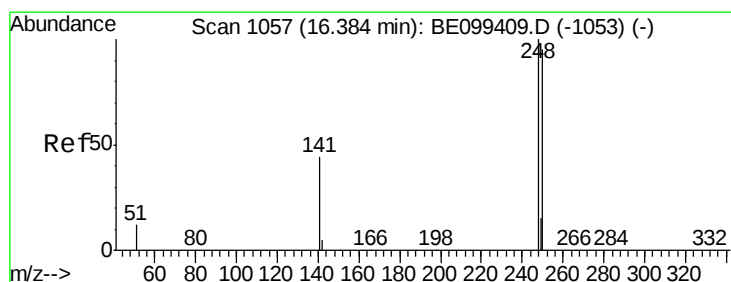
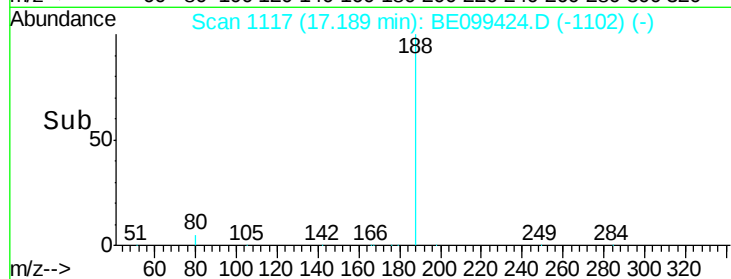
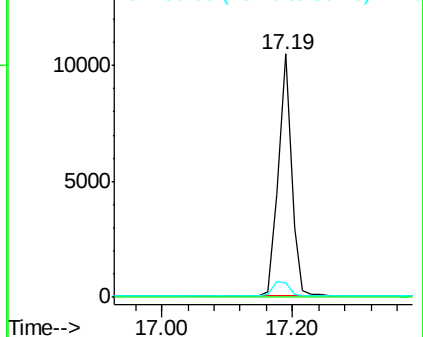
80 6.0 6.7 10.1#



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: 0.290 ng

RT: 16.39 min Scan# 1057

Delta R.T. 0.00 min

Lab File: BE099424.D

Acq: 30 Apr 2019 13:46

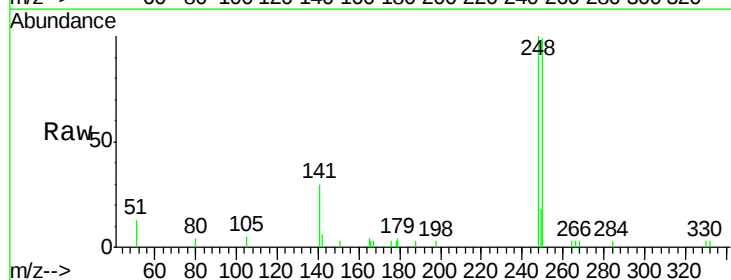
Tgt Ion:248 Resp: 2518

Ion Ratio Lower Upper

248 100

250 98.8 75.8 113.8

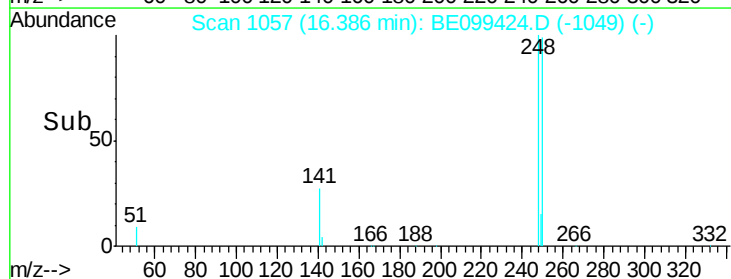
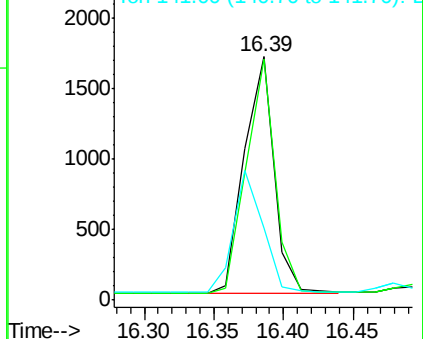
141 29.7 35.7 53.5#

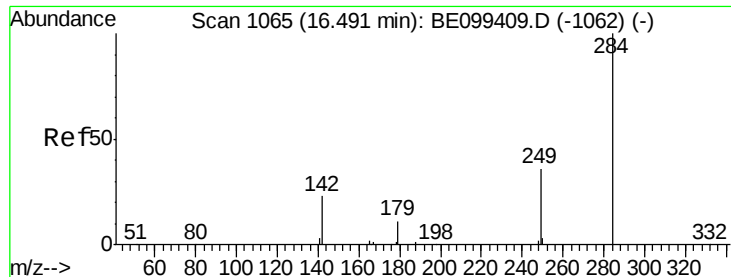


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

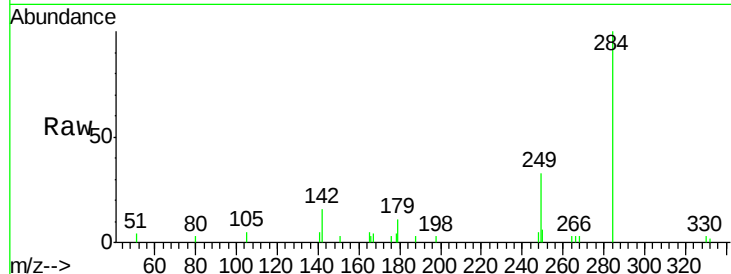




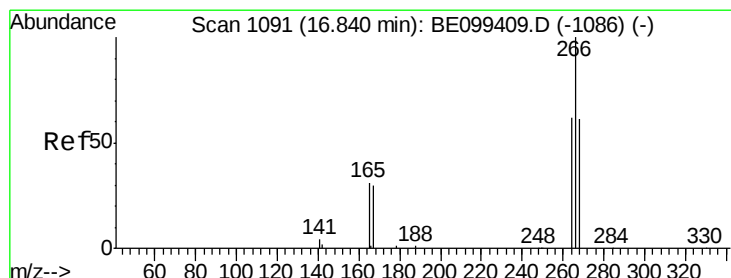
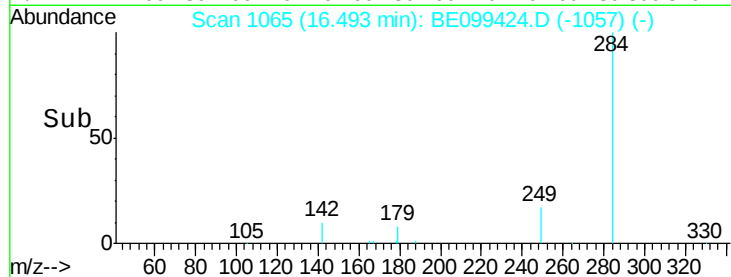
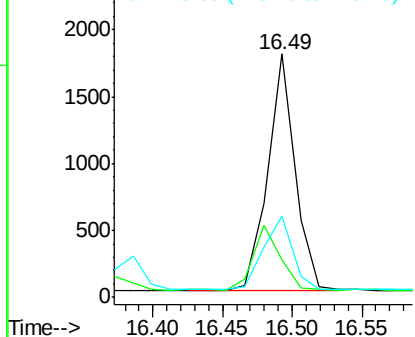
#21
Hexachlorobenzene
Concen: 0.294 ng
RT: 16.49 min Scan# 1065
Delta R.T. 0.00 min
Lab File: BE099424.D
Acq: 30 Apr 2019 13:46

Instrument :
BNA_E
ClientSampleId :
PB119230BS

Tot Ion	Ratio	Lower	Upper
284	100		
142	26.6	21.0	31.6
249	32.1	26.7	40.1

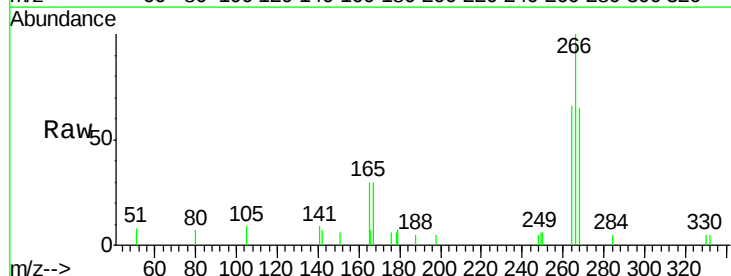


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

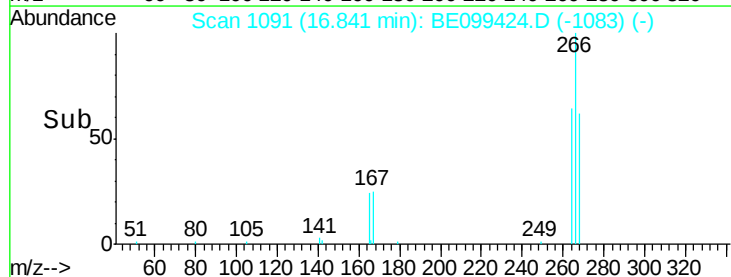
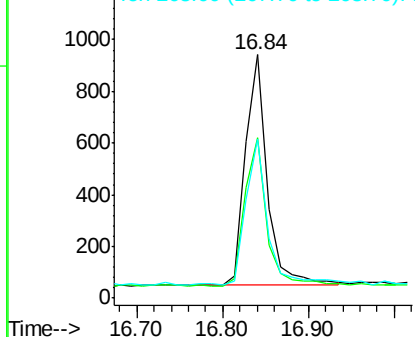


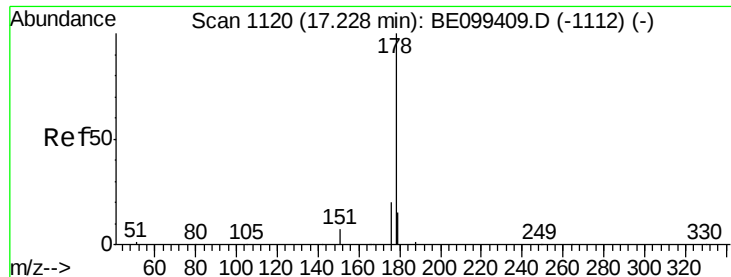
#22
Pentachlorophenol
Concen: 0.536 ng
RT: 16.84 min Scan# 1091
Delta R.T. 0.00 min
Lab File: BE099424.D
Acq: 30 Apr 2019 13:46

Tgt Ion	Ratio	Lower	Upper
266	100		
264	65.9	50.8	76.2
268	65.4	50.5	75.7



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

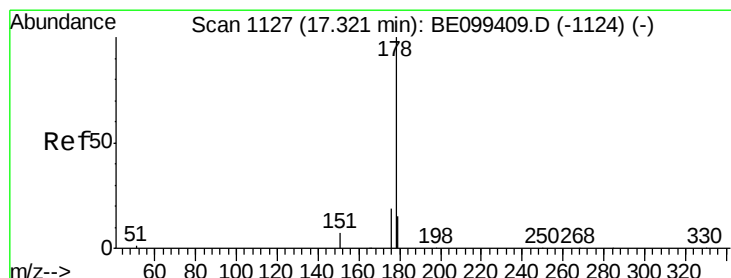
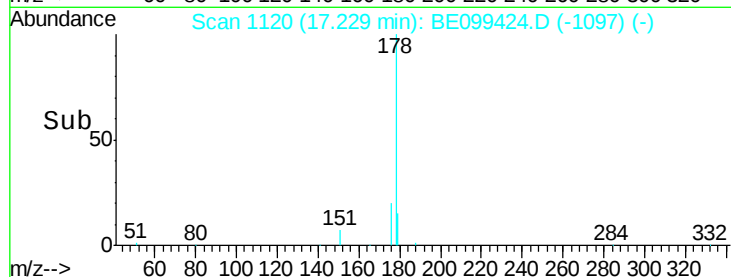
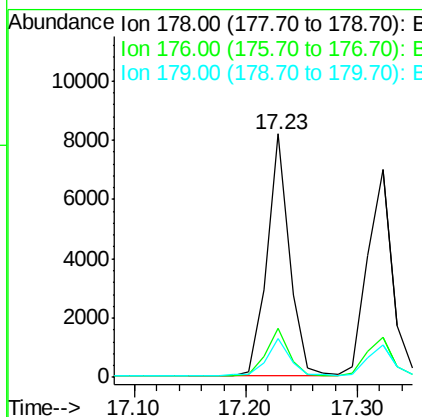
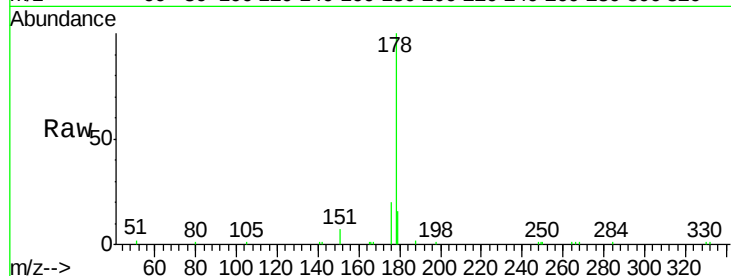




#23
Phenanthrene
Concen: 0.298 ng
RT: 17.23 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE099424.D
Acq: 30 Apr 2019 13:46

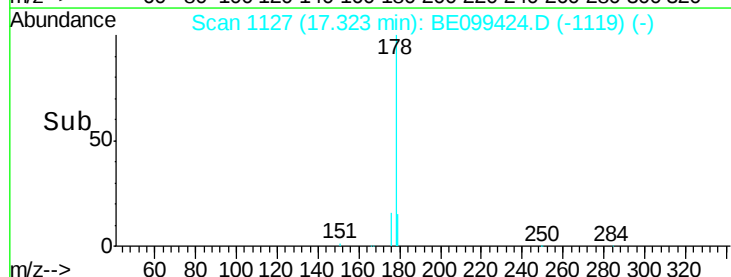
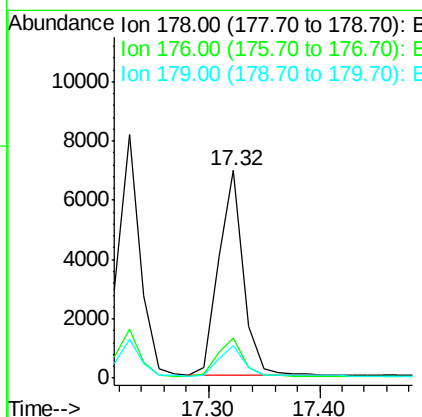
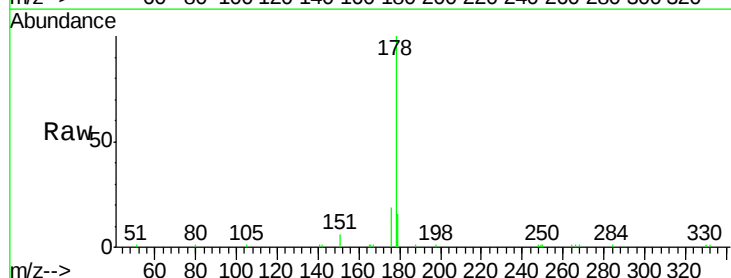
Instrument :
BNA_E
ClientSampleId :
PB119230BS

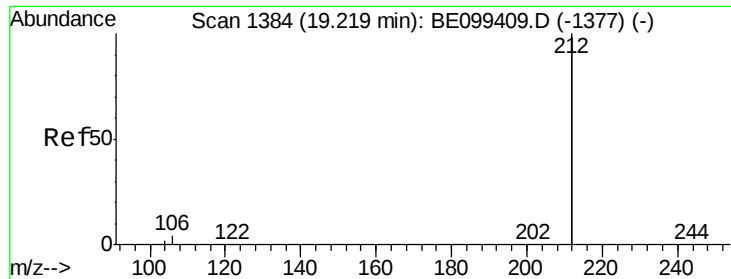
Tot Ion:178 Resp: 11449
Ion Ratio Lower Upper
178 100
176 19.9 15.6 23.4
179 16.0 12.0 18.0



#24
Anthracene
Concen: 0.291 ng
RT: 17.32 min Scan# 1127
Delta R.T. 0.00 min
Lab File: BE099424.D
Acq: 30 Apr 2019 13:46

Tgt Ion:178 Resp: 10662
Ion Ratio Lower Upper
178 100
176 19.2 14.9 22.3
179 15.0 11.9 17.9





#25

Fluoranthene-d10

Concen: 0.242 ng

RT: 19.22 min Scan# 1384

Delta R.T. -0.00 min

Lab File: BE099424.D

Acq: 30 Apr 2019 13:46

Instrument :

BNA_E

ClientSampleId :

PB119230BS

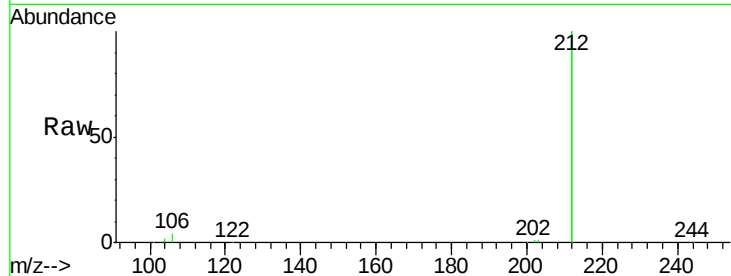
Tot Ion:212 Resp: 48628

Ion Ratio Lower Upper

212 100

106 1.9 1.5 2.3

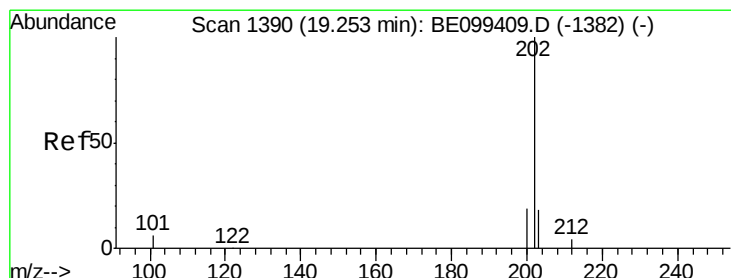
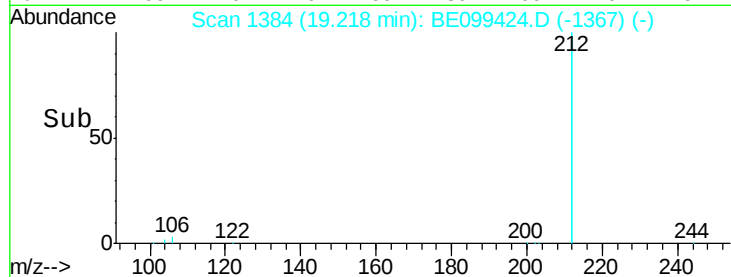
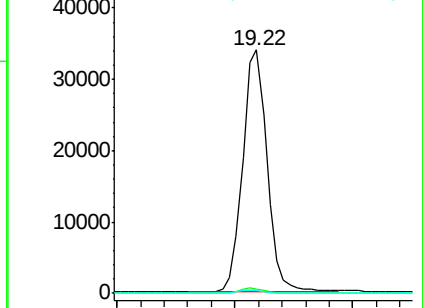
104 1.1 0.9 1.3



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: 0.280 ng

RT: 19.25 min Scan# 1389

Delta R.T. -0.01 min

Lab File: BE099424.D

Acq: 30 Apr 2019 13:46

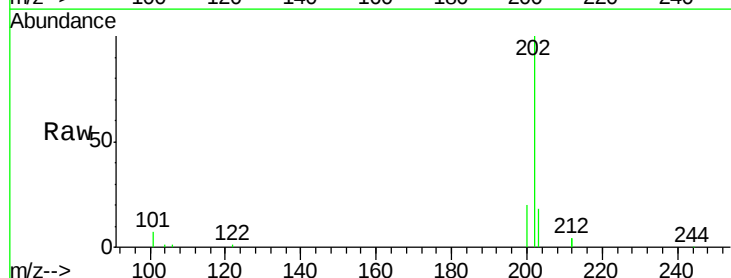
Tgt Ion:202 Resp: 16136

Ion Ratio Lower Upper

202 100

101 6.9 5.4 8.0

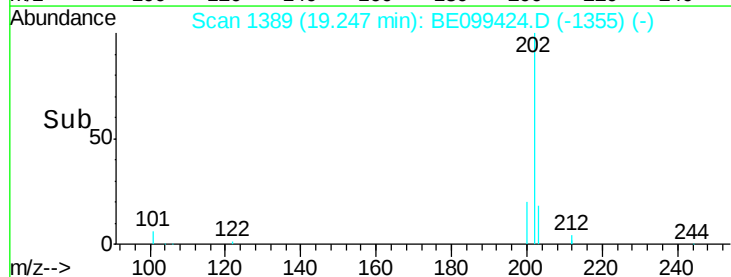
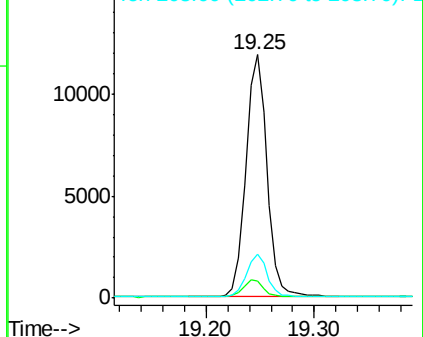
203 17.2 13.9 20.9



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

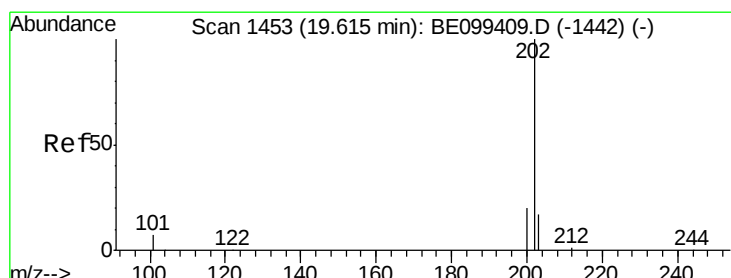
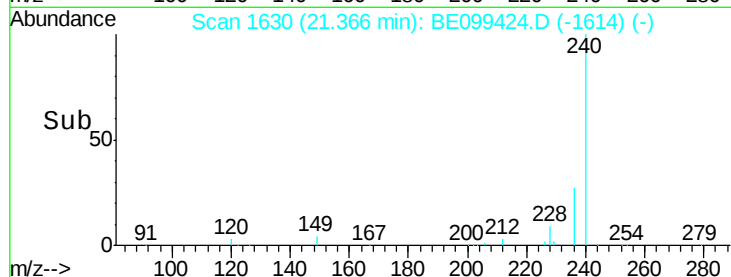
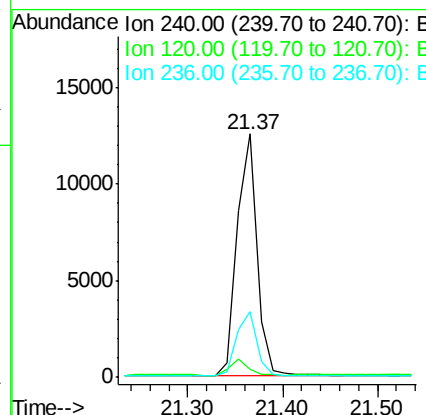
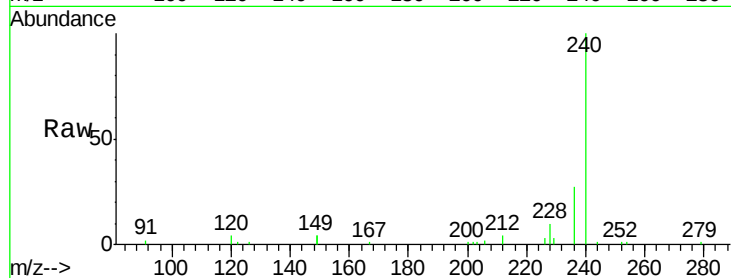




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.37 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: BE099424.D
 Acq: 30 Apr 2019 13:46

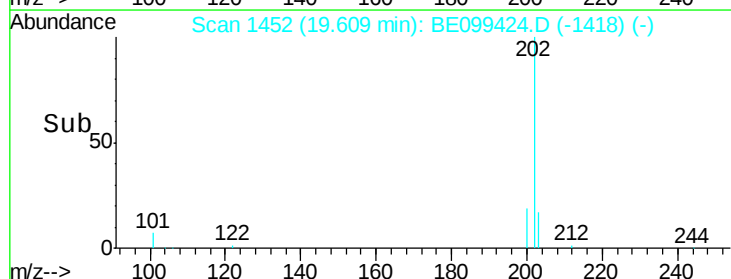
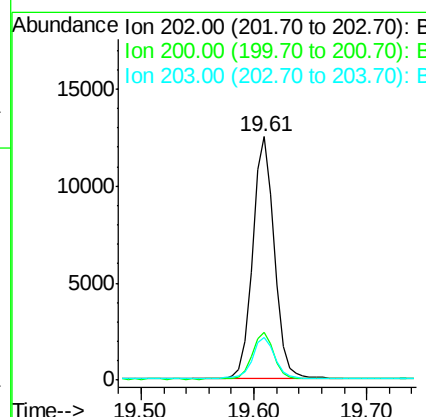
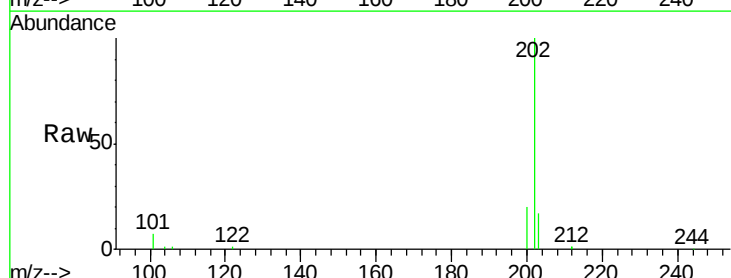
Instrument :
 BNA_E
 ClientSampleId :
 PB119230BS

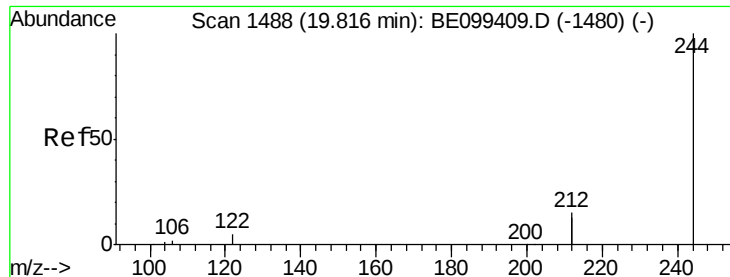
Tot Ion:240 Resp: 18418
 Ion Ratio Lower Upper
 240 100
 120 3.5 4.0 6.0#
 236 27.2 22.0 33.0



#28
 Pyrene
 Concen: 0.351 ng
 RT: 19.61 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BE099424.D
 Acq: 30 Apr 2019 13:46

Tgt Ion:202 Resp: 16828
 Ion Ratio Lower Upper
 202 100
 200 19.4 15.7 23.5
 203 18.0 13.9 20.9





#29

Terphenyl-d14

Concen: 0.311 ng

RT: 19.81 min Scan# 1487

Delta R.T. -0.01 min

Lab File: BE099424.D

Acq: 30 Apr 2019 13:46

Instrument :

BNA_E

ClientSampled :

PB119230BS

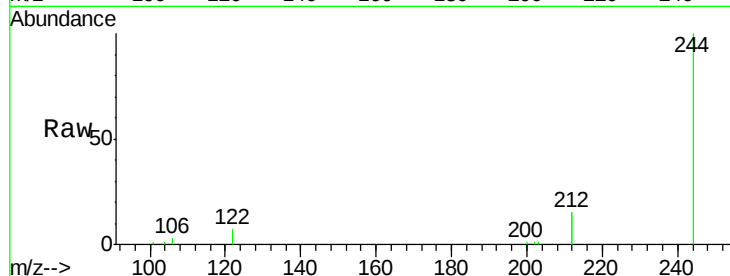
Tot Ion:244 Resp: 10496

Ion Ratio Lower Upper

244 100

212 30.4 23.2 34.8

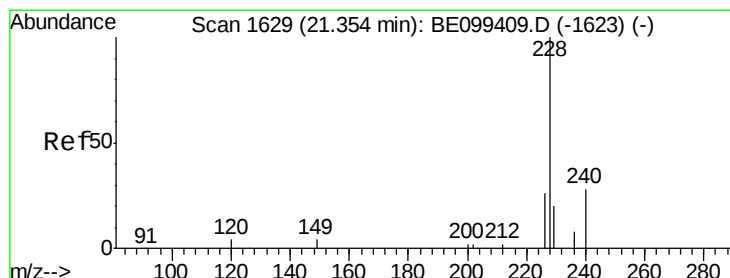
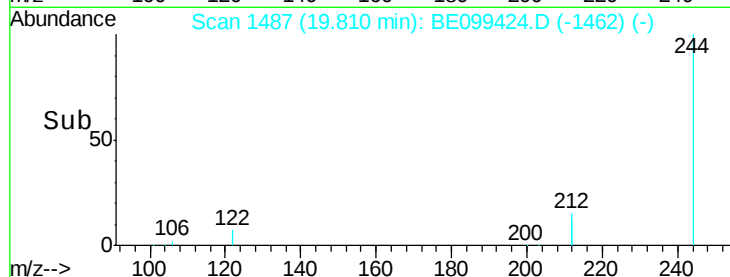
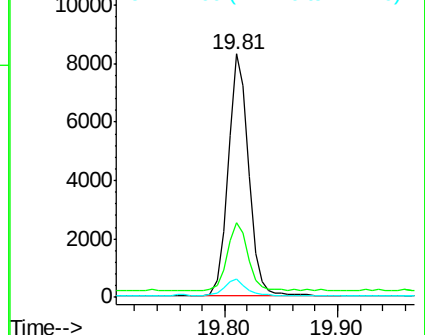
122 7.4 4.2 6.4#



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: 0.344 ng

RT: 21.34 min Scan# 1628

Delta R.T. -0.01 min

Lab File: BE099424.D

Acq: 30 Apr 2019 13:46

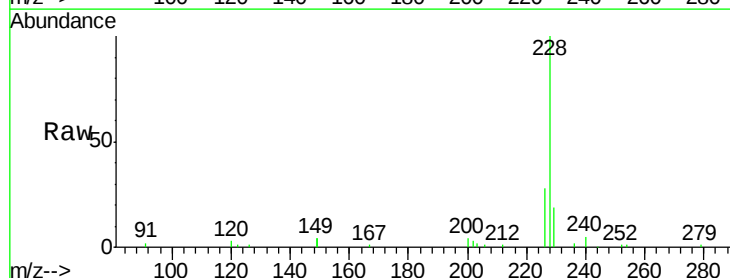
Tgt Ion:228 Resp: 20211

Ion Ratio Lower Upper

228 100

226 28.1 21.0 31.6

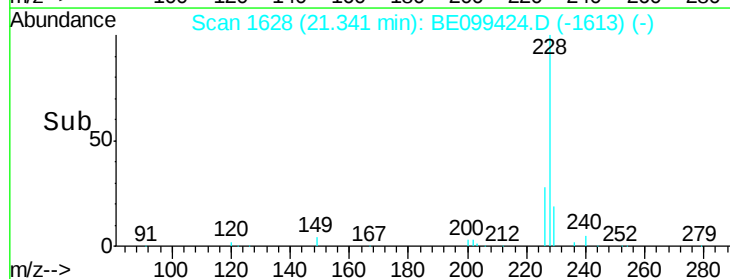
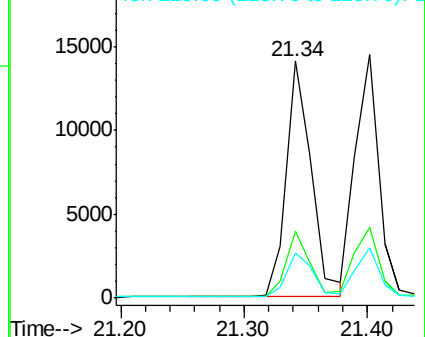
229 19.3 16.6 25.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.334 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.00 min

Lab File: BE099424.D

Acq: 30 Apr 2019 13:46

Instrument :

BNA_E

ClientSampleId :

PB119230BS

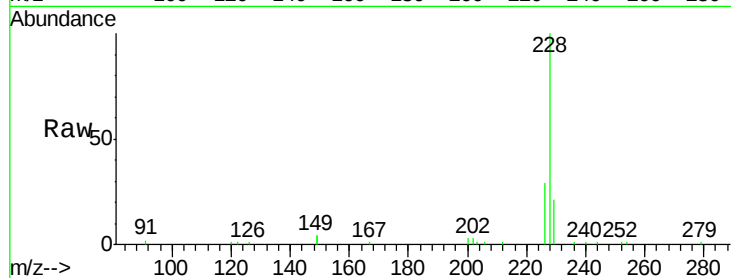
Tot Ion:228 Resp: 19208

Ion Ratio Lower Upper

228 100

226 29.0 24.0 36.0

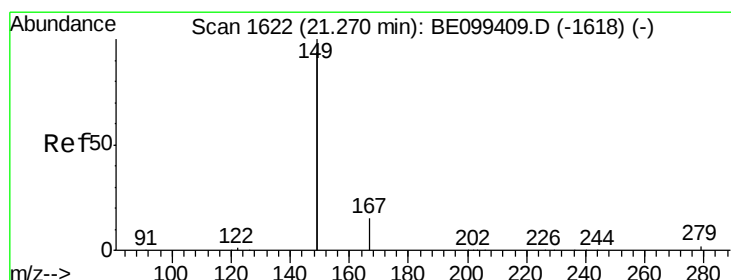
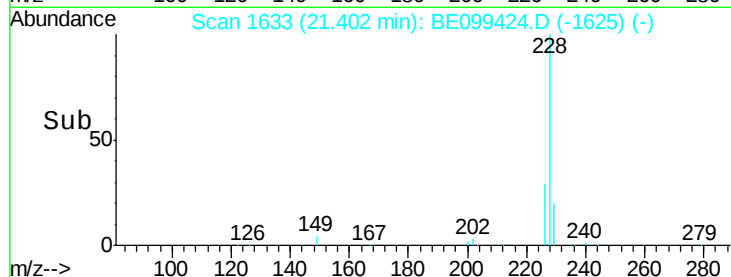
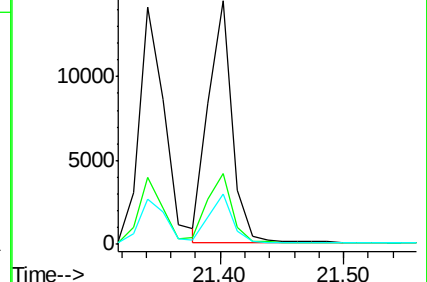
229 20.9 15.8 23.8



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: 0.250 ng

RT: 21.27 min Scan# 1622

Delta R.T. -0.00 min

Lab File: BE099424.D

Acq: 30 Apr 2019 13:46

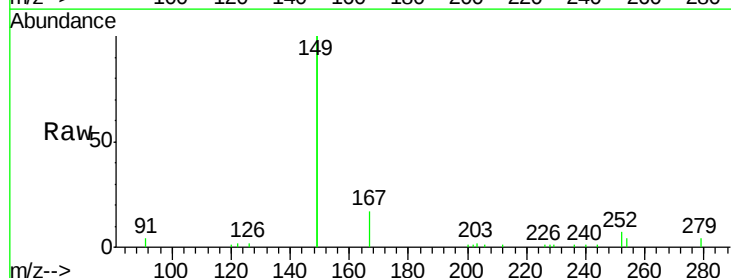
Tgt Ion:149 Resp: 26674

Ion Ratio Lower Upper

149 100

167 7.6 5.8 8.6

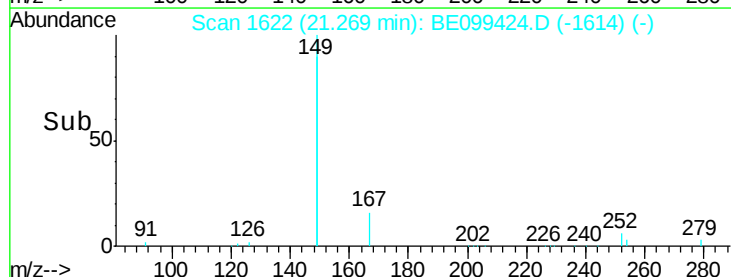
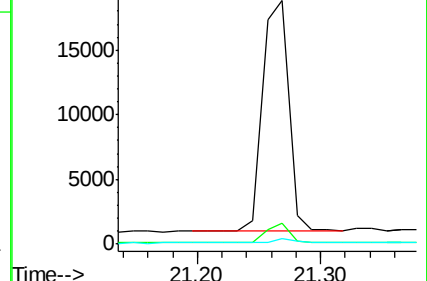
279 1.4 1.0 1.6



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: 0.432 ng

RT: 26.50 min Scan# 2933

Delta R.T. -0.02 min

Lab File: BE099424.D

Acq: 30 Apr 2019 13:46

Instrument :

BNA_E

ClientSampleId :

PB119230BS

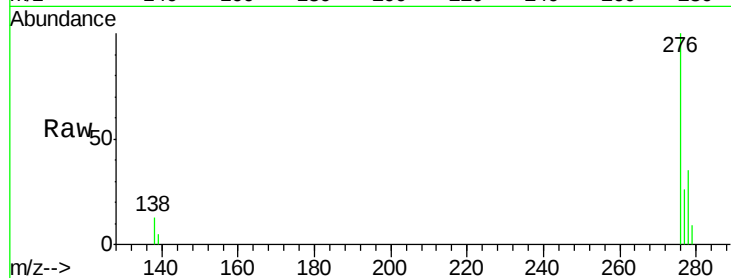
Tot Ion:276 Resp: 29341

Ion Ratio Lower Upper

276 100

138 13.2 10.2 15.2

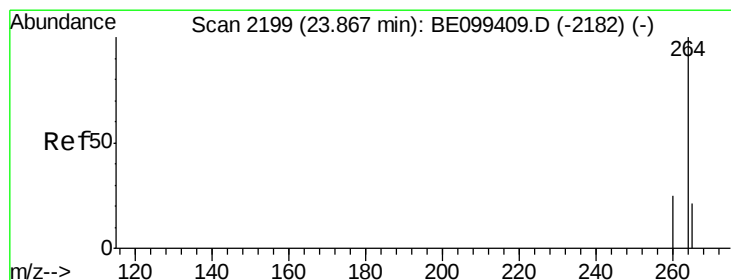
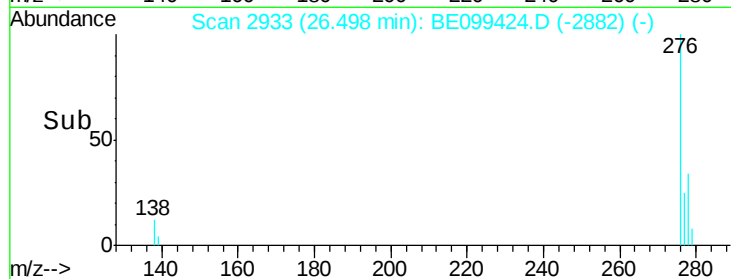
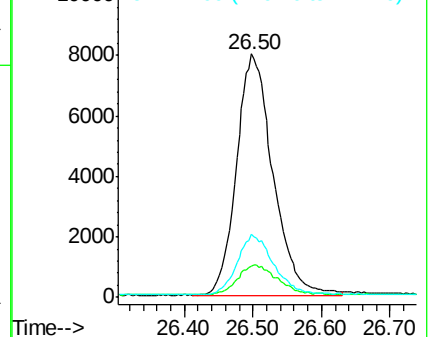
277 24.7 19.2 28.8



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: 23.86 min Scan# 2198

Delta R.T. -0.00 min

Lab File: BE099424.D

Acq: 30 Apr 2019 13:46

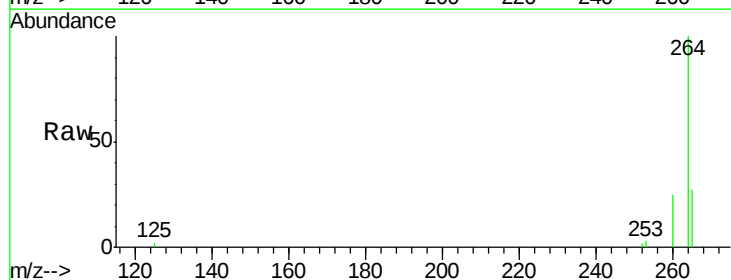
Tgt Ion:264 Resp: 22719

Ion Ratio Lower Upper

264 100

260 24.9 20.2 30.2

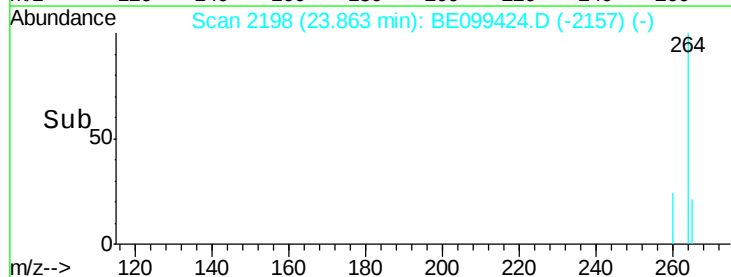
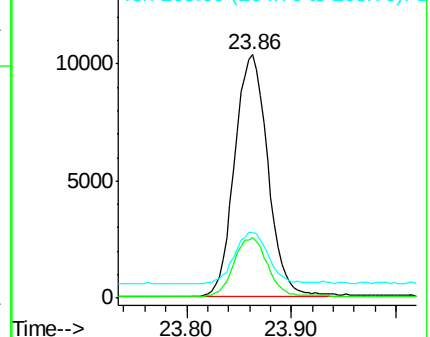
265 27.1 21.3 31.9



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: 0.310 ng

RT: 23.09 min Scan# 1981

Delta R.T. -0.01 min

Lab File: BE099424.D

Acq: 30 Apr 2019 13:46

Instrument :

BNA_E

ClientSampleId :

PB119230BS

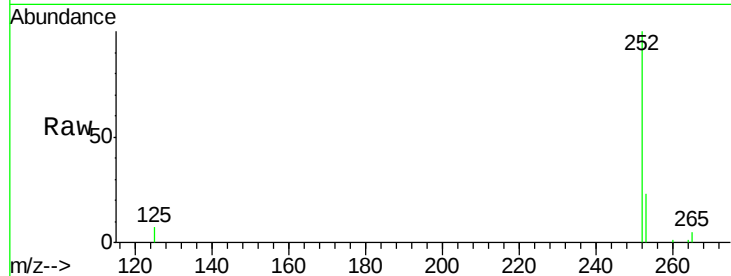
Tot Ion:252 Resp: 20288

Ion Ratio Lower Upper

252 100

253 23.3 18.1 27.1

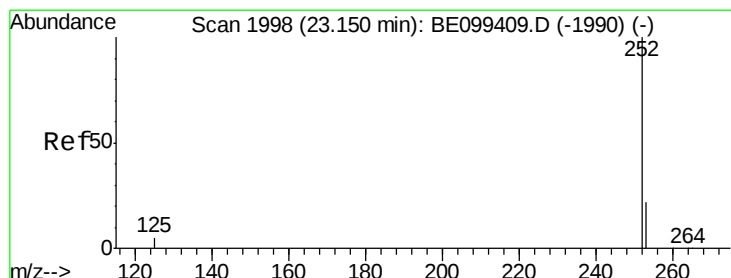
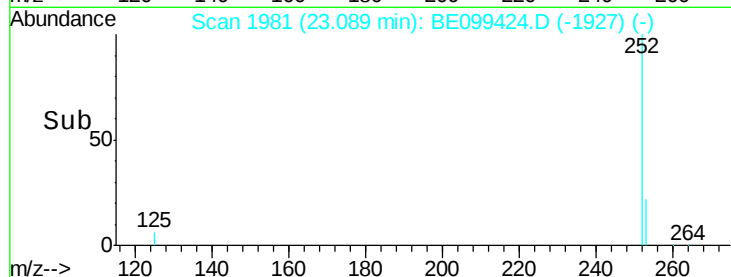
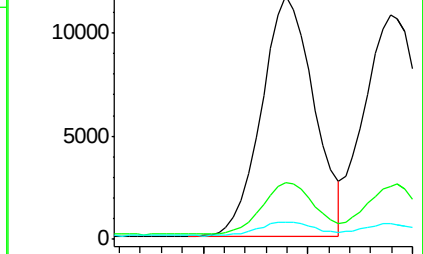
125 7.2 5.6 8.4



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: 0.328 ng

RT: 23.14 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BE099424.D

Acq: 30 Apr 2019 13:46

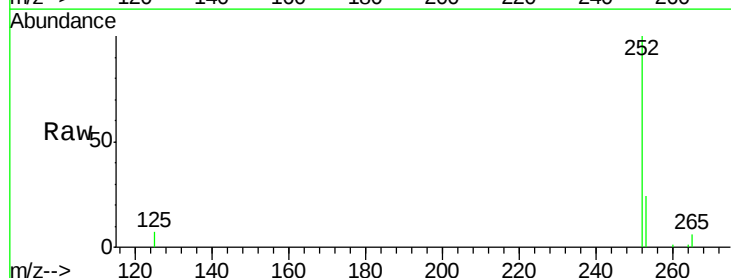
Tgt Ion:252 Resp: 20713

Ion Ratio Lower Upper

252 100

253 23.7 18.4 27.6

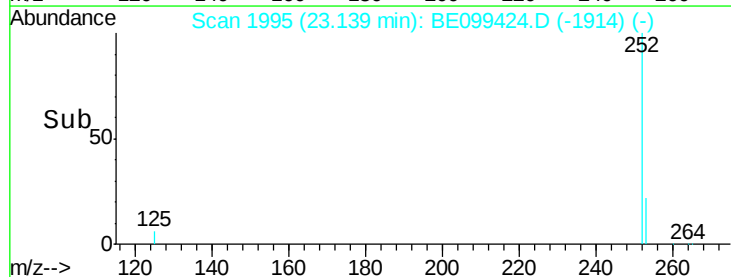
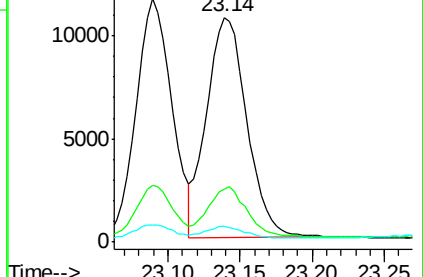
125 7.1 5.0 7.4



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: 0.332 ng

RT: 23.75 min Scan# 2165

Delta R.T. -0.01 min

Lab File: BE099424.D

Acq: 30 Apr 2019 13:46

Instrument :

BNA_E

ClientSampleId :

PB119230BS

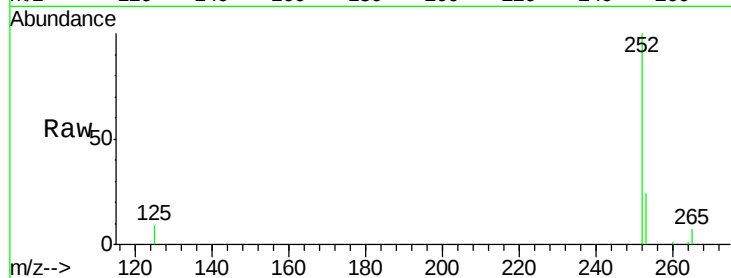
Tot Ion:252 Resp: 20591

Ion Ratio Lower Upper

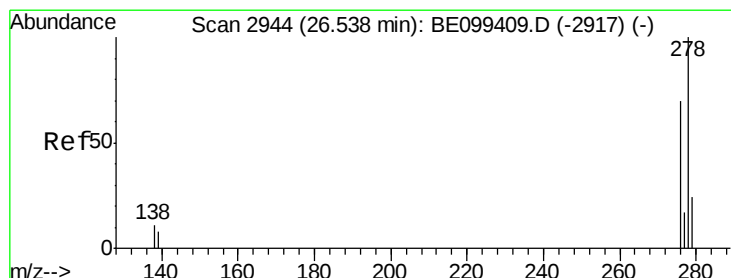
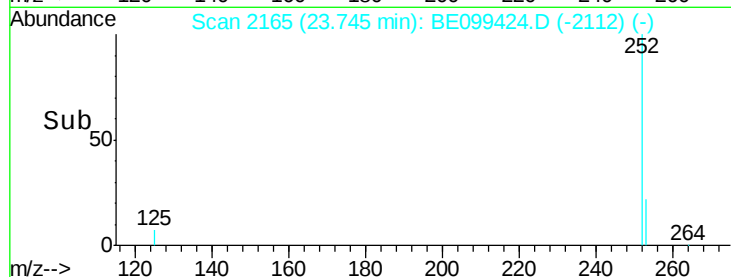
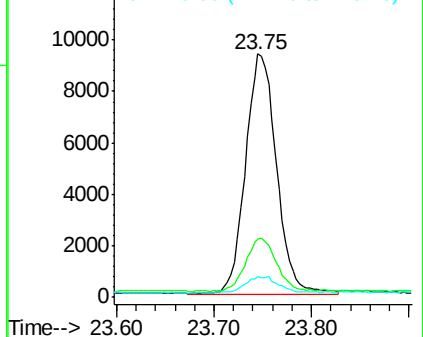
252 100

253 23.9 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: 0.387 ng

RT: 26.53 min Scan# 2941

Delta R.T. -0.01 min

Lab File: BE099424.D

Acq: 30 Apr 2019 13:46

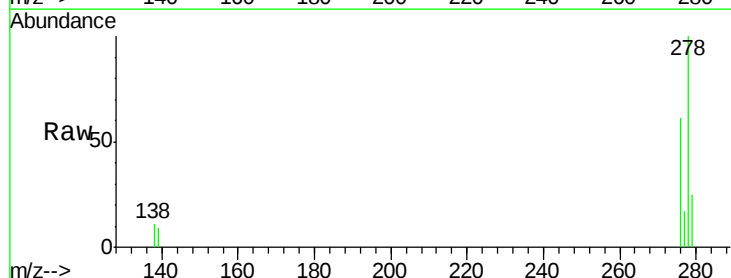
Tgt Ion:278 Resp: 24539

Ion Ratio Lower Upper

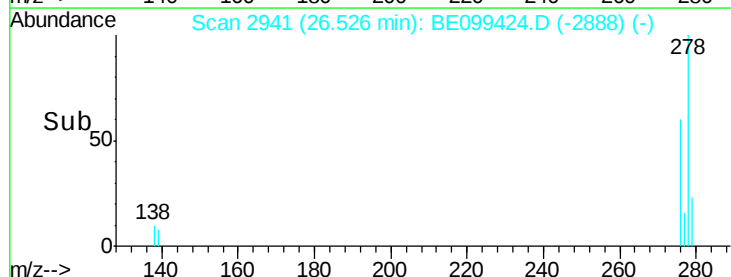
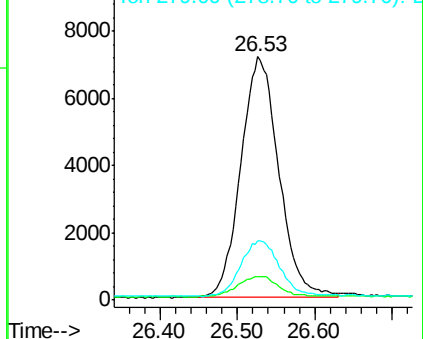
278 100

139 9.4 7.7 11.5

279 24.6 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: 0.403 ng

RT: 27.32 min Scan# 3163

Delta R.T. -0.01 min

Lab File: BE099424.D

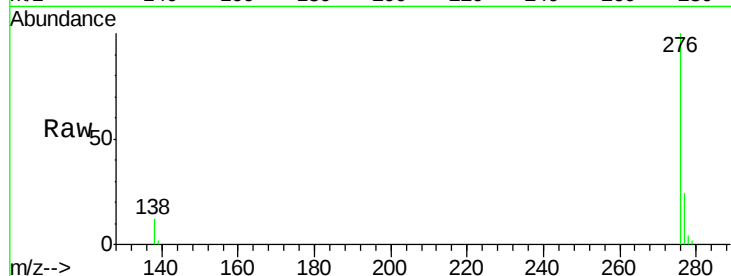
Acq: 30 Apr 2019 13:46

Instrument :

BNA_E

ClientSampleId :

PB119230BS



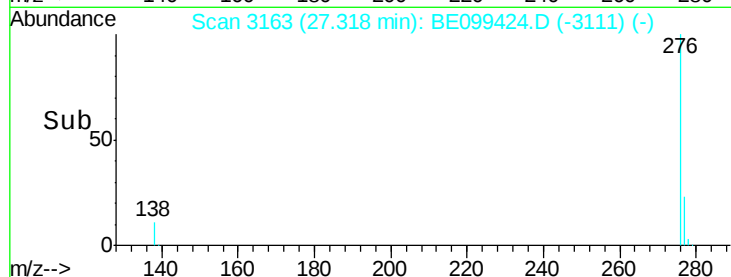
Tot Ion: 276 Resp: 25585

Ion Ratio Lower Upper

276 100

277 24.4 19.5 29.3

138 12.2 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

