

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050319\
 Data File : BE099542.D
 Acq On : 3 May 2019 22:32
 Operator : JU/SJ
 Sample : K2568-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-025-SW028-042219

Quant Time: May 03 23:38:05 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	2251	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	8910	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	7208	0.40	ng	0.00
19) Phenanthrene-d10	17.20	188	20291	0.40	ng	0.01
27) Chrysene-d12	21.38	240	23924	0.40	ng	0.01
34) Perylene-d12	23.88	264	28102	0.40	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.39	112	1777	0.29	ng	0.00
5) Phenol-d6	6.97	99	2479	0.30	ng	0.00
8) Nitrobenzene-d5	8.97	82	2142	0.26	ng	0.00
11) 2-Methylnaphthalene-d10	12.21	152	4162	0.26	ng	0.01
14) 2,4,6-Tribromophenol	15.94	330	1401	0.31	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	6264	0.23	ng	0.00
25) Fluoranthene-d10	19.23	212	59230	0.22	ng	0.01
29) Terphenyl-d14	19.82	244	13353	0.30	ng	0.00

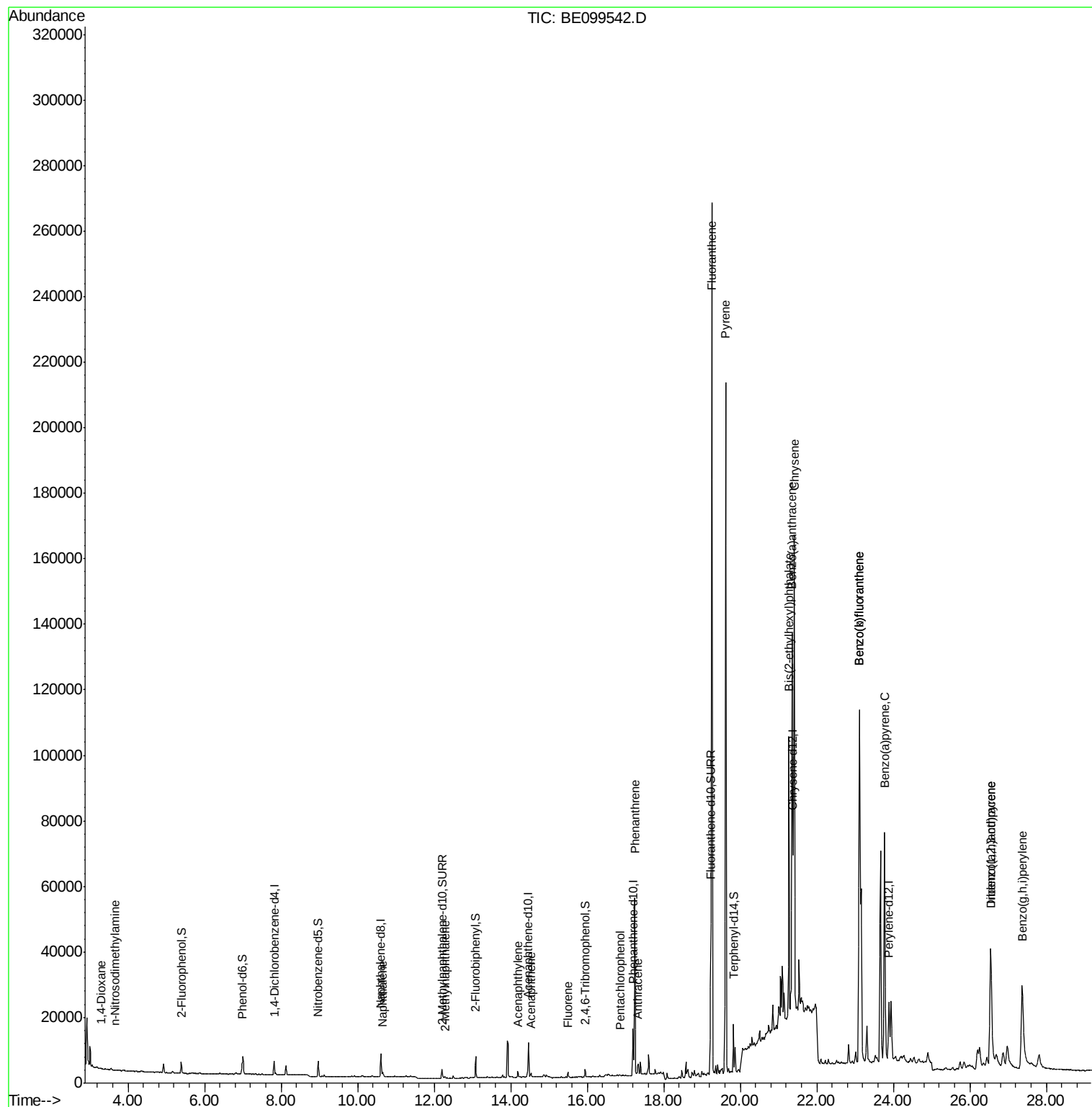
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.30	88	66	0.021	ng	# 27
3) n-Nitrosodimethylamine	3.66	42	53	0.028	ng	# 6
9) Naphthalene	10.65	128	2112	0.022	ng	# 91
12) 2-Methylnaphthalene	12.28	142	442	0.026	ng	# 80
16) Acenaphthylene	14.18	152	2577	0.073	ng	97
17) Acenaphthene	14.53	154	567	0.028	ng	93
18) Fluorene	15.50	166	1695	0.057	ng	# 95
22) Pentachlorophenol	16.85	266	103	0.231	ng	# 69
23) Phenanthrene	17.24	178	54626	1.043	ng	99
24) Anthracene	17.33	178	3704	0.074	ng	# 87
26) Fluoranthene	19.26	202	236209	3.012	ng	99
28) Pyrene	19.62	202	203967	3.271	ng	# 95
30) Benzo(a)anthracene	21.35	228	106655	1.399	ng	97
31) Chrysene	21.41	228	150225	2.014	ng	97
32) Bis(2-ethylhexyl)phthalate	21.27	149	88146	0.748	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.54	276	85933	0.975	ng	# 94
35) Benzo(b)fluoranthene	23.11	252	204624	2.525	ng	98
36) Benzo(k)fluoranthene	23.11	252	204624	2.619	ng	98
37) Benzo(a)pyrene	23.77	252	115209	1.504	ng	99
38) Dibenzo(a,h)anthracene	26.56	278	17898	0.228	ng	# 75
39) Benzo(g,h,i)perylene	27.37	276	82557	1.052	ng	96

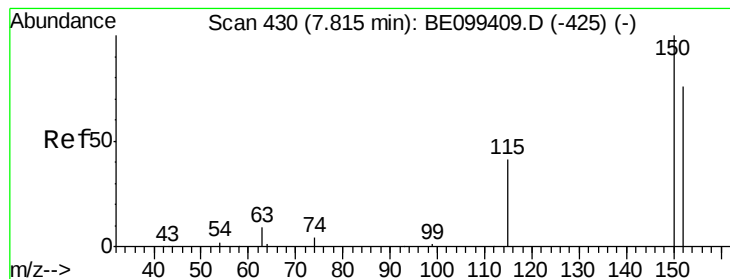
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE099542.D

Acq: 3 May 2019 22:32

Instrument :

BNA_E

ClientSampleId :

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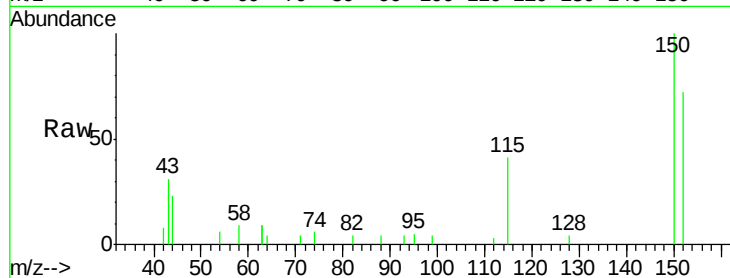
Tot Ion:152 Resp: 2251

Ion Ratio Lower Upper

152 100

150 138.8 104.8 157.2

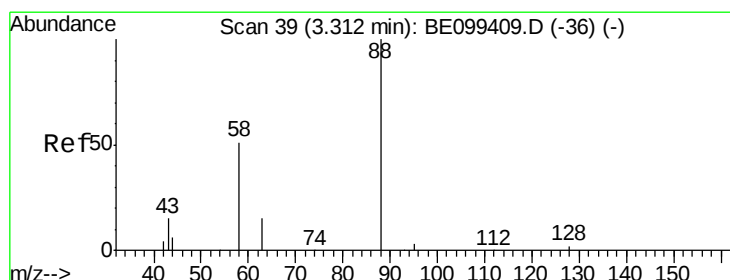
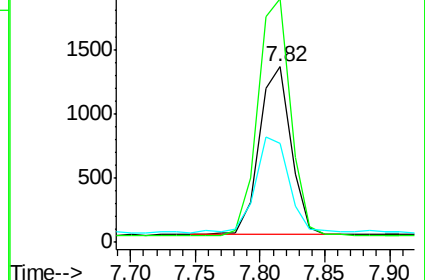
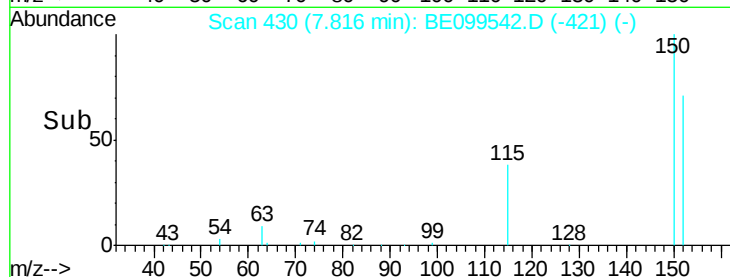
115 56.5 46.6 69.8



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: 0.021 ng

RT: 3.30 min Scan# 38

Delta R.T. -0.01 min

Lab File: BE099542.D

Acq: 3 May 2019 22:32

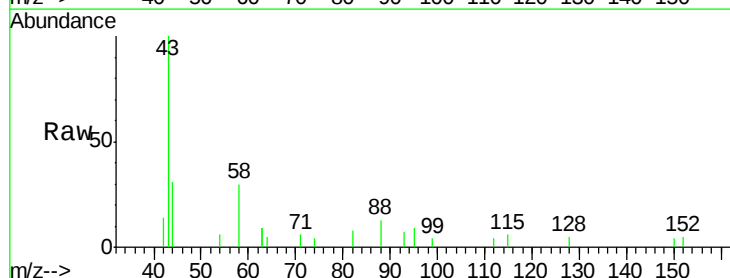
Tgt Ion: 88 Resp: 66

Ion Ratio Lower Upper

88 100

58 0.0 51.0 76.6#

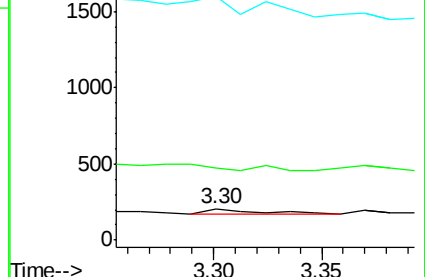
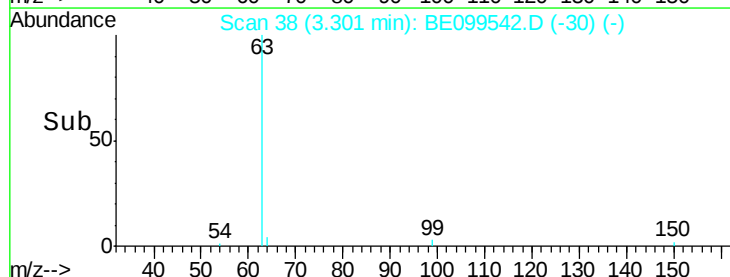
43 0.0 20.6 30.8#

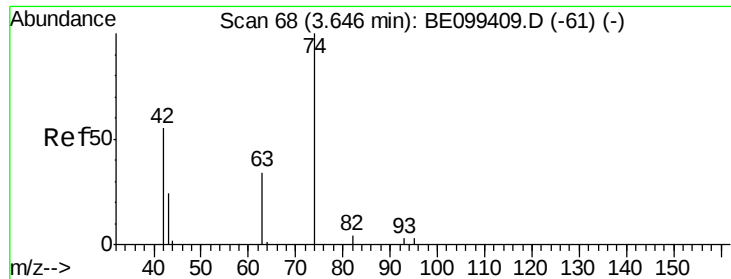


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.028 ng

RT: 3.66 min Scan# 69

Delta R.T. 0.01 min

Lab File: BE099542.D

Acq: 3 May 2019 22:32

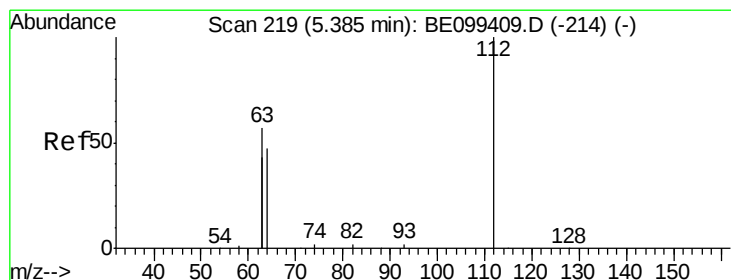
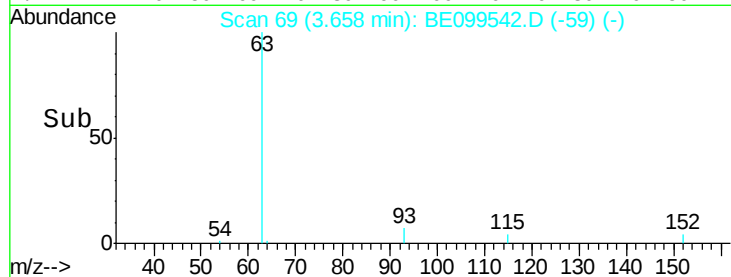
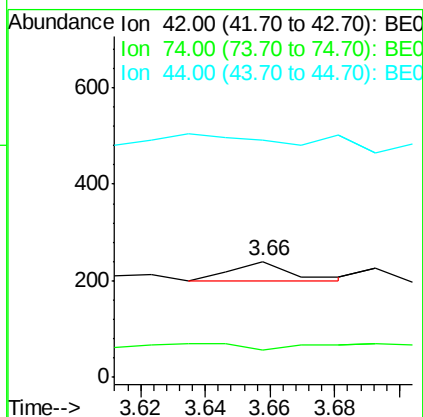
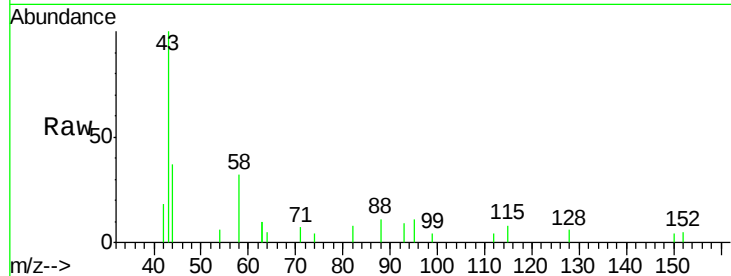
Instrument :

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EXT-025-SW028-042219

Tot Ion:	42	Resp:	53
Ion	Ratio	Lower	Upper
42	100		
74	45.3	141.6	212.4#
44	0.0	0.0	0.0



#4

2-Fluorophenol

Concen: 0.286 ng

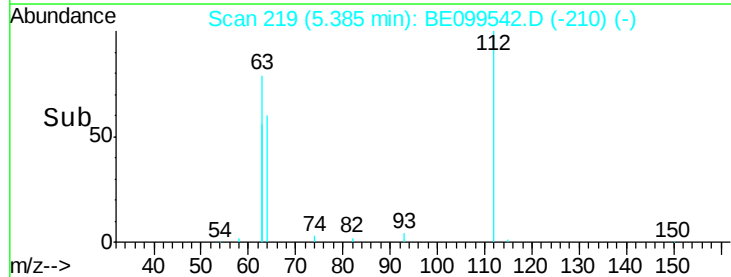
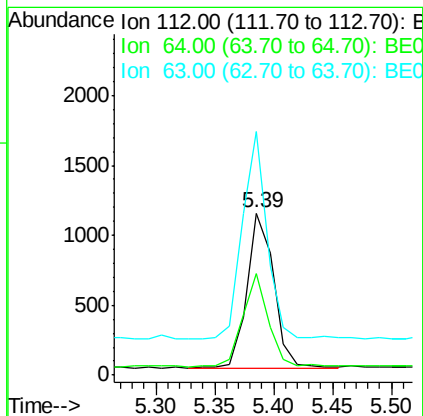
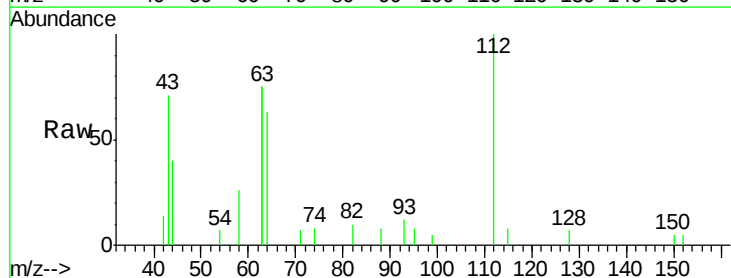
RT: 5.39 min Scan# 219

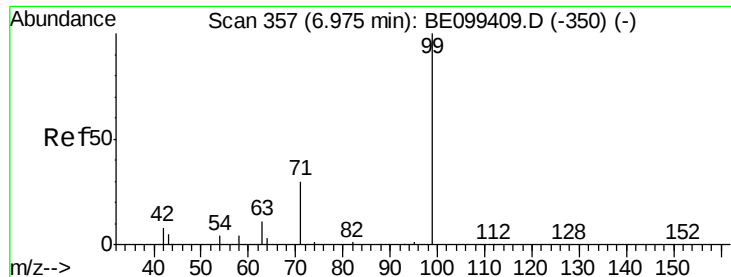
Delta R.T. 0.00 min

Lab File: BE099542.D

Acq: 3 May 2019 22:32

Tgt Ion:	112	Resp:	1777
Ion	Ratio	Lower	Upper
112	100		
64	57.7	47.4	71.0
63	120.8	104.3	156.5





#5

Phenol-d6

Concen: 0.299 ng

RT: 6.97 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099542.D

Acq: 3 May 2019 22:32

Instrument :

BNA_E

ClientSampleId :

EXT-025-SW028-042219

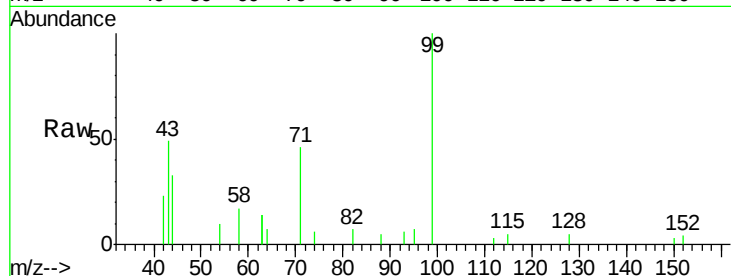
Tot Ion: 99 Resp: 2479

Ion Ratio Lower Upper

99 100

42 29.7 14.9 22.3#

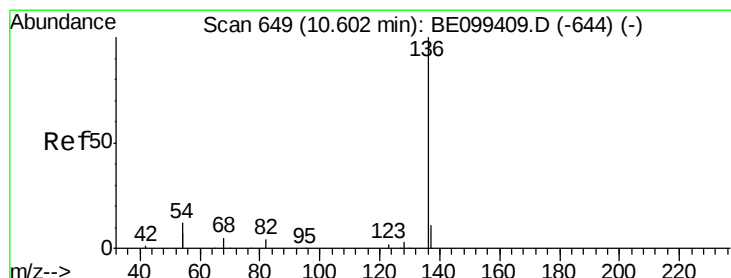
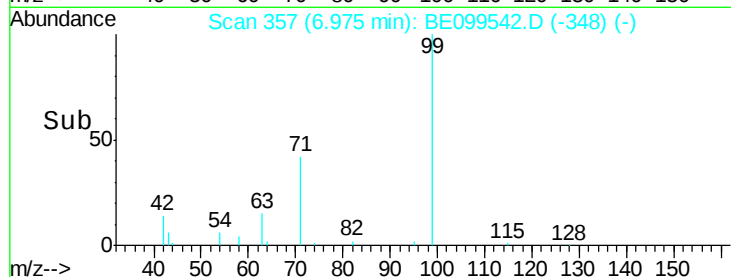
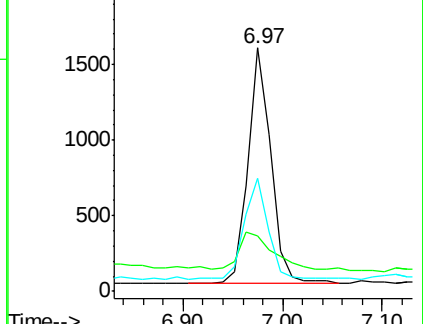
71 45.2 33.0 49.6



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



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

Delta R.T. 0.00 min

Lab File: BE099542.D

Acq: 3 May 2019 22:32

Tgt Ion: 136 Resp: 8910

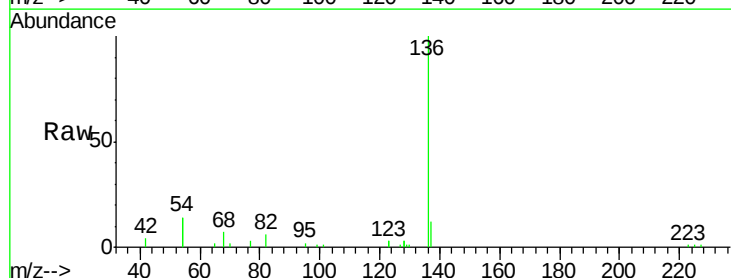
Ion Ratio Lower Upper

136 100

137 12.1 9.8 14.8

54 28.6 18.5 27.7#

68 7.3 4.7 7.1#

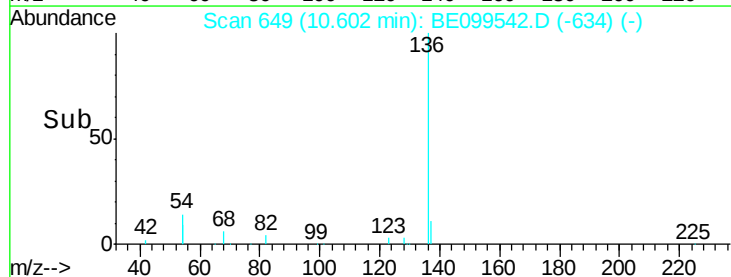
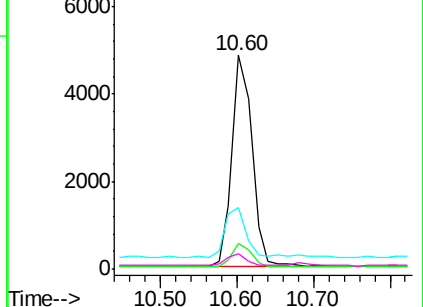


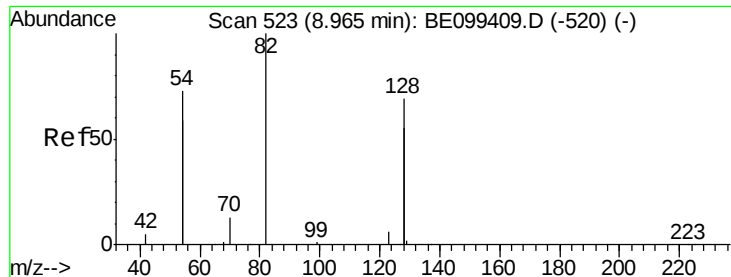
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.256 ng

RT: 8.97 min Scan# 523

Delta R.T. 0.00 min

Lab File: BE099542.D

Acq: 3 May 2019 22:32

Instrument :

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ClientSampleId :

EXT-025-SW028-042219

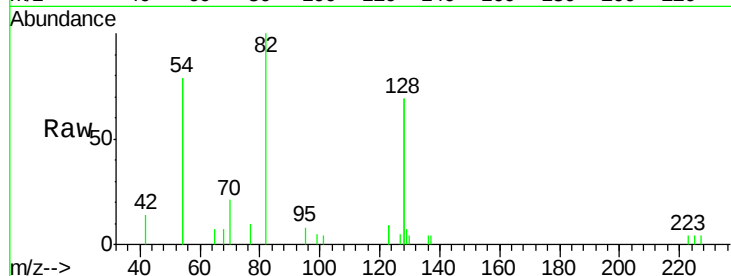
Tot Ion: 82 Resp: 2142

Ion Ratio Lower Upper

82 100

128 138.2 107.0 160.4

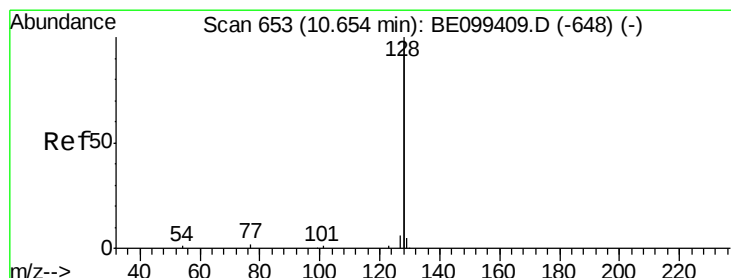
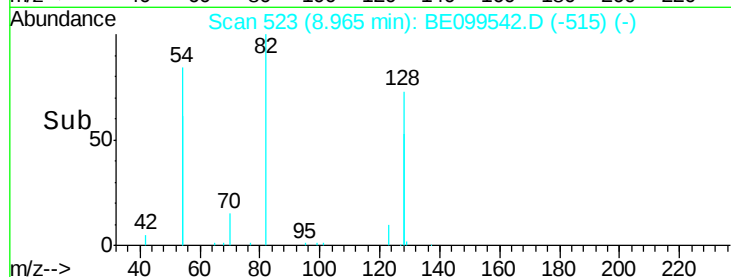
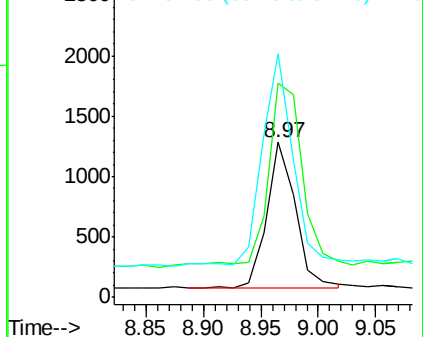
54 157.4 113.1 169.7



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#9

Naphthalene

Concen: 0.022 ng

RT: 10.65 min Scan# 653

Delta R.T. 0.00 min

Lab File: BE099542.D

Acq: 3 May 2019 22:32

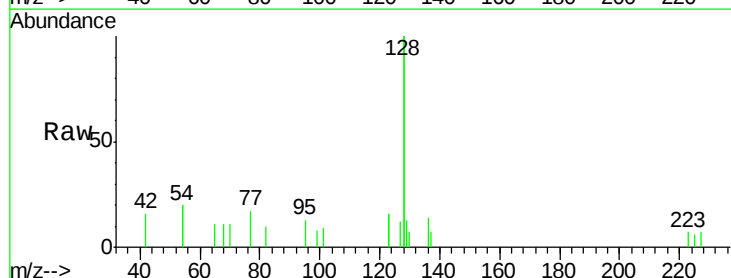
Tgt Ion: 128 Resp: 2112

Ion Ratio Lower Upper

128 100

129 6.7 2.4 3.6#

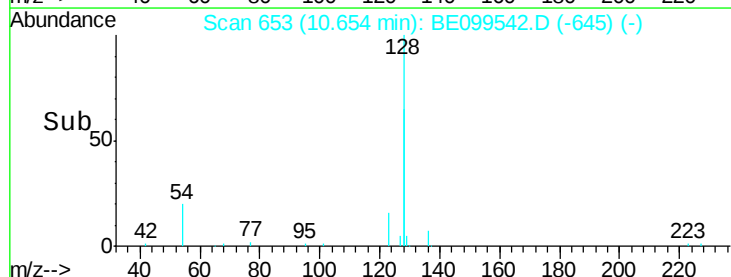
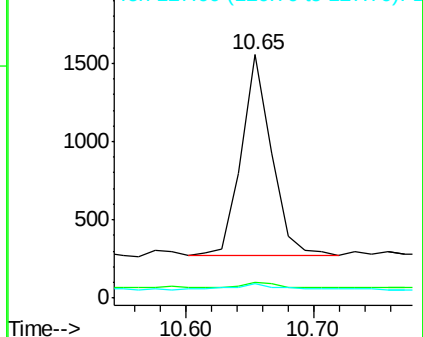
127 6.0 2.8 4.2#

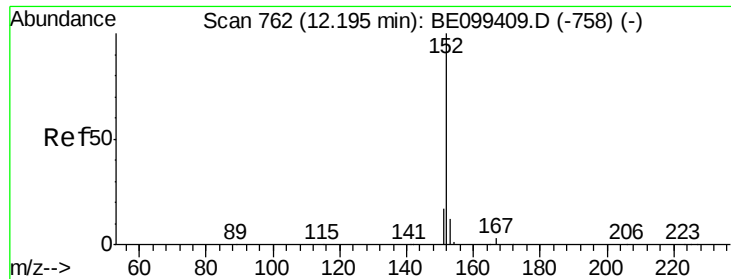


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

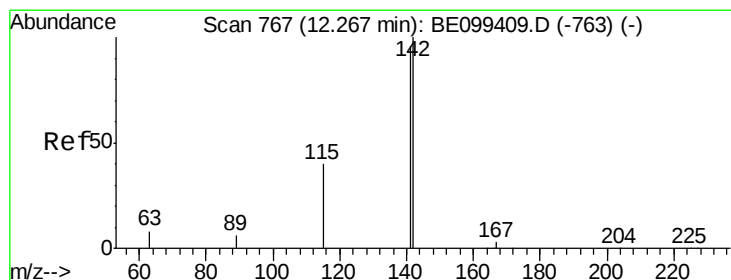
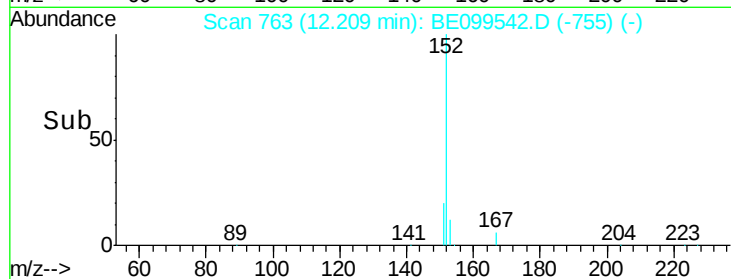
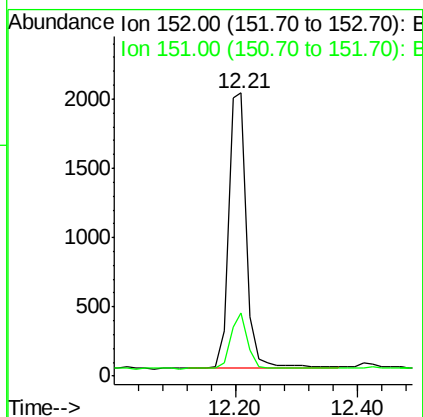
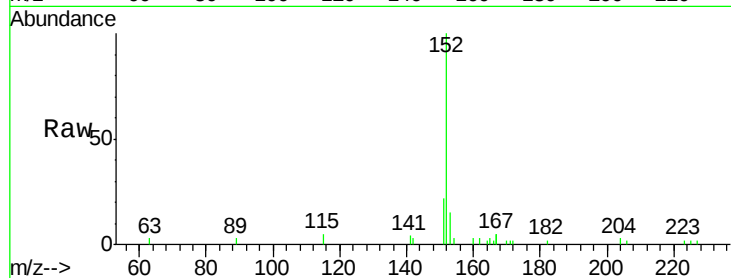




#11
2-Methylnaphthalene-d10
Concen: 0.259 ng
RT: 12.21 min Scan# 763
Delta R.T. 0.01 min
Lab File: BE099542.D
Acq: 3 May 2019 22:32

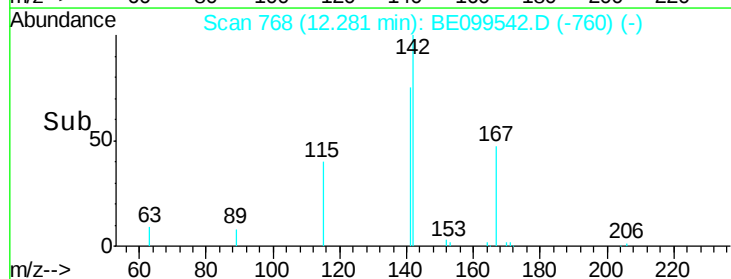
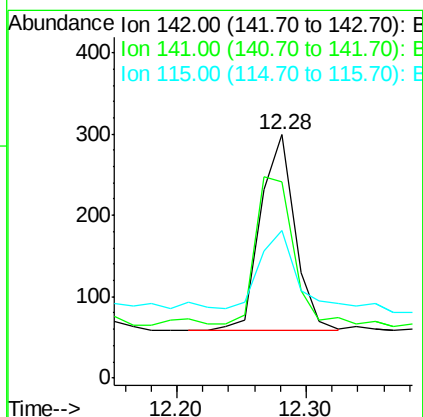
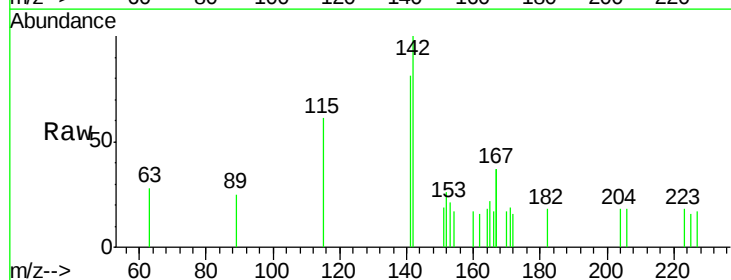
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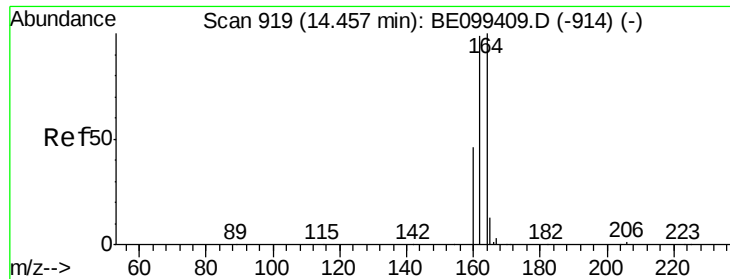
Tot Ion:152 Resp: 4162
Ion Ratio Lower Upper
152 100
151 18.6 15.5 23.3



#12
2-Methylnaphthalene
Concen: 0.026 ng
RT: 12.28 min Scan# 768
Delta R.T. 0.01 min
Lab File: BE099542.D
Acq: 3 May 2019 22:32

Tgt Ion:142 Resp: 442
Ion Ratio Lower Upper
142 100
141 80.9 77.0 115.4
115 60.9 33.4 50.0#

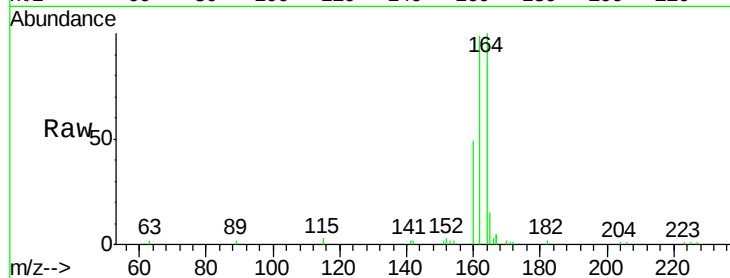




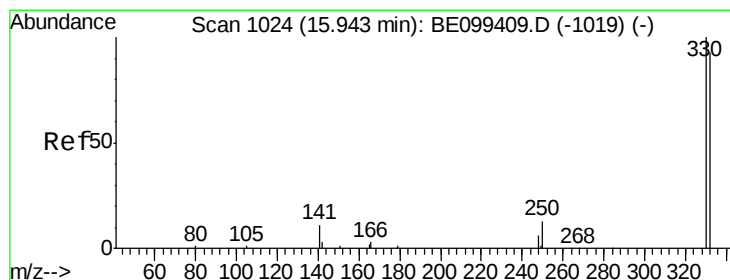
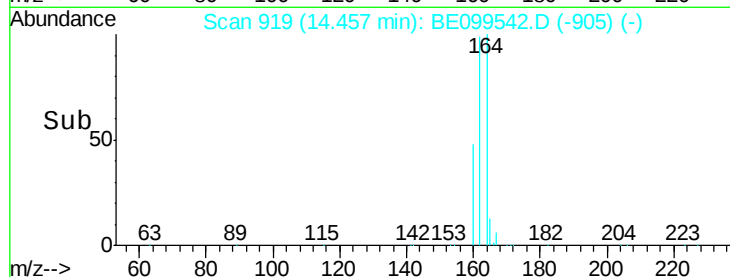
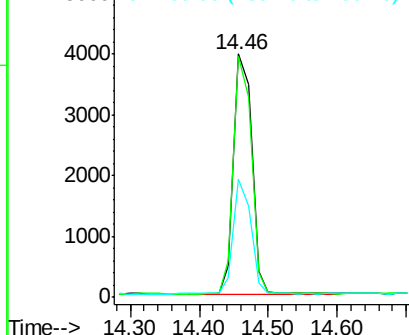
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.00 min
Lab File: BE099542.D
Acq: 3 May 2019 22:32

Instrument :
BNA_E
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EXT-025-SW028-042219

Tot Ion:164 Resp: 7208
Ion Ratio Lower Upper
164 100
162 99.1 79.0 118.4
160 48.5 37.0 55.4

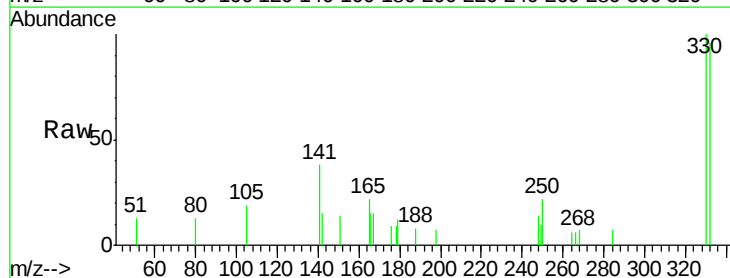


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

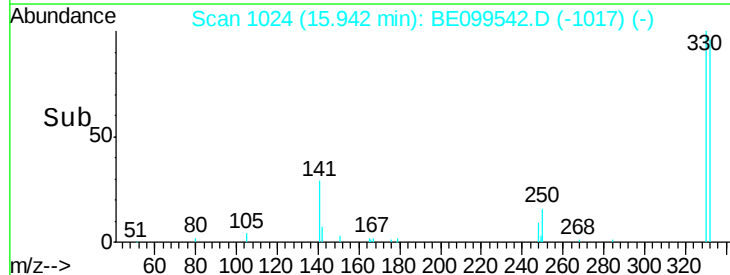
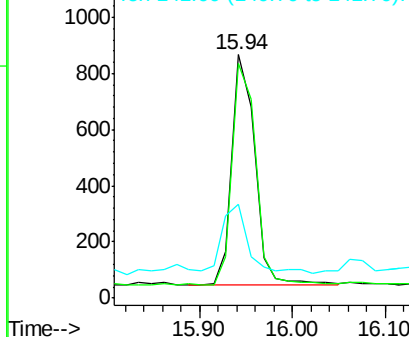


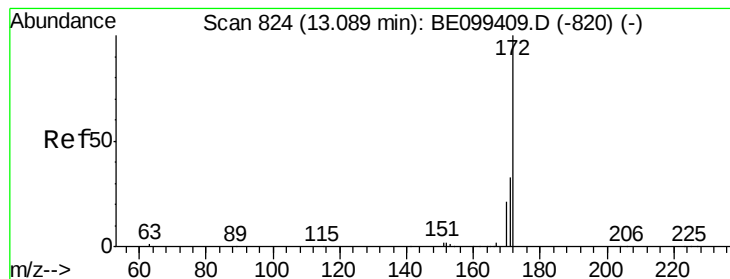
#14
2,4,6-Tribromophenol
Concen: 0.309 ng
RT: 15.94 min Scan# 1024
Delta R.T. -0.00 min
Lab File: BE099542.D
Acq: 3 May 2019 22:32

Tgt Ion:330 Resp: 1401
Ion Ratio Lower Upper
330 100
332 98.6 71.5 107.3
141 34.0 24.0 36.0



Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.228 ng

RT: 13.09 min Scan# 824

Delta R.T. -0.00 min

Lab File: BE099542.D

Acq: 3 May 2019 22:32

Instrument :

BNA_E

ClientSampleId :

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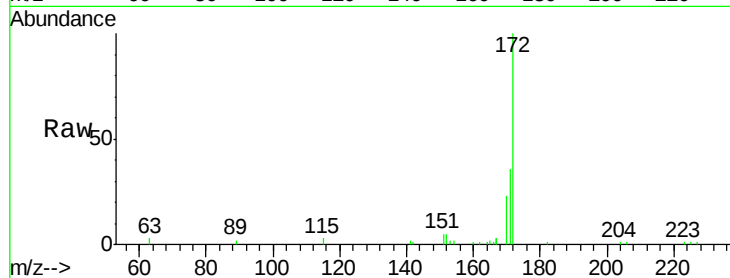
Tot Ion:172 Resp: 6264

Ion Ratio Lower Upper

172 100

171 35.6 26.6 39.8

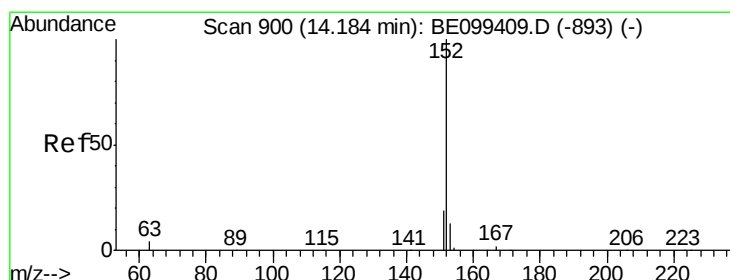
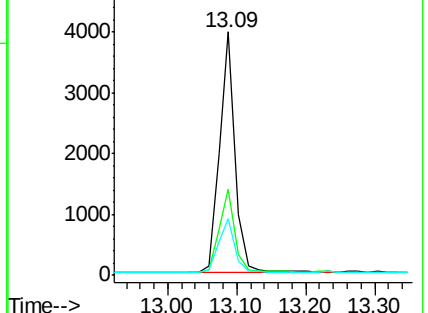
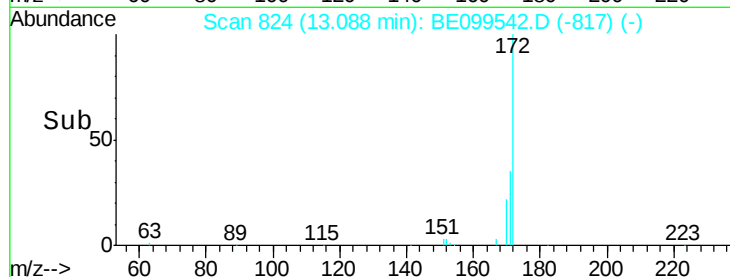
170 23.2 17.0 25.6



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: 0.073 ng

RT: 14.18 min Scan# 900

Delta R.T. -0.00 min

Lab File: BE099542.D

Acq: 3 May 2019 22:32

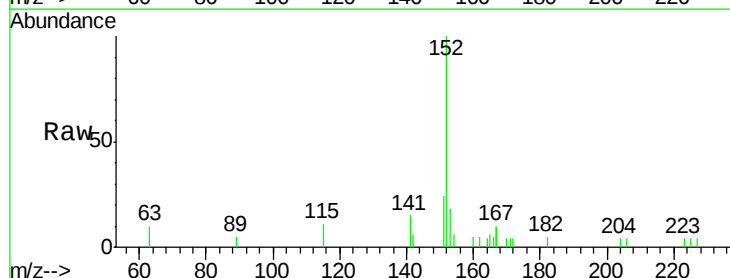
Tgt Ion:152 Resp: 2577

Ion Ratio Lower Upper

152 100

151 20.4 15.4 23.2

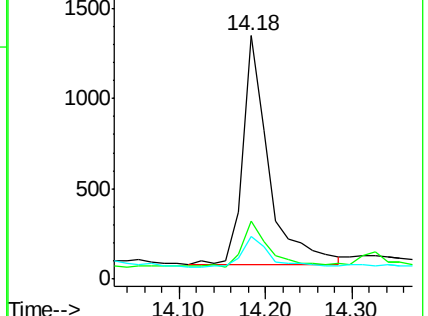
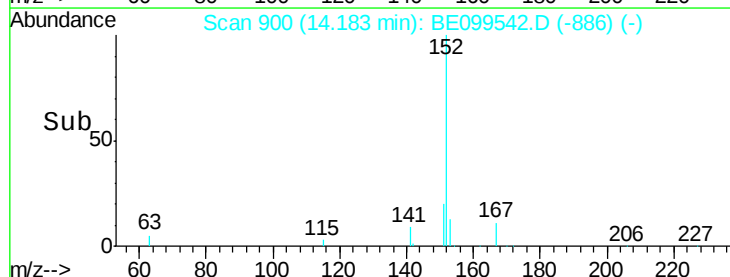
153 14.1 9.8 14.6

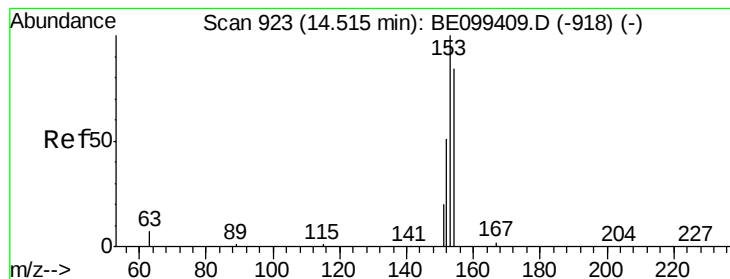


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.028 ng

RT: 14.53 min Scan# 924

Delta R.T. 0.01 min

Lab File: BE099542.D

Acq: 3 May 2019 22:32

Instrument :

BNA_E

ClientSampleId :

EXT-025-SW028-042219

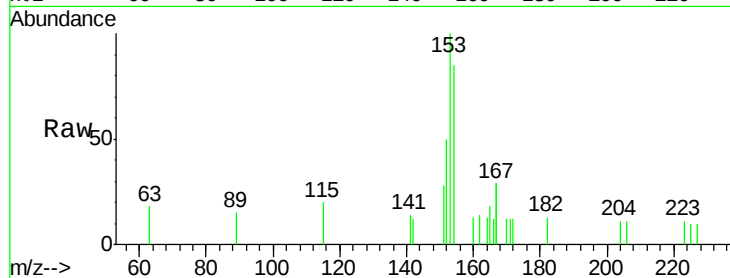
Tot Ion:154 Resp: 567

Ion Ratio Lower Upper

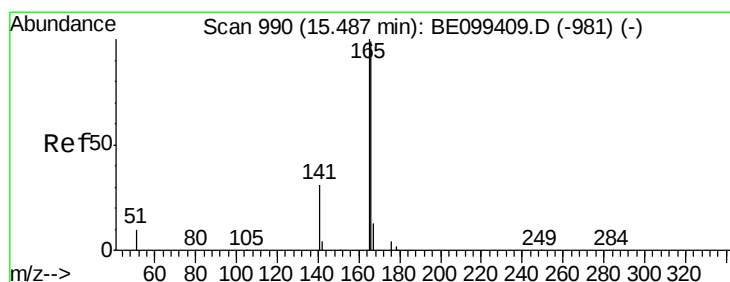
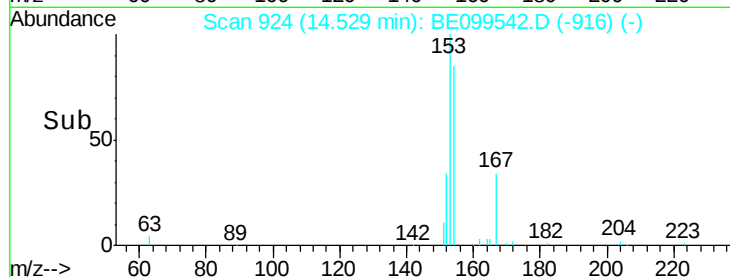
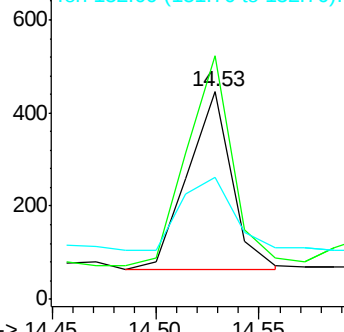
154 100

153 121.5 92.6 138.8

152 49.4 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: 0.057 ng

RT: 15.50 min Scan# 991

Delta R.T. 0.01 min

Lab File: BE099542.D

Acq: 3 May 2019 22:32

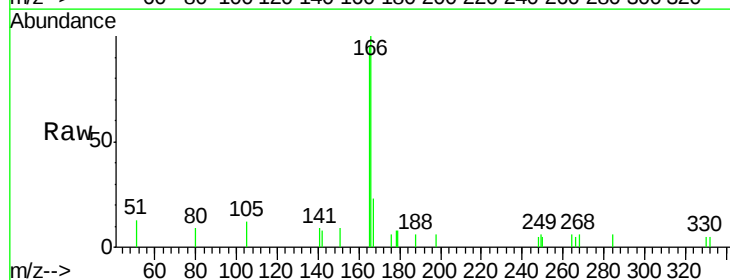
Tgt Ion:166 Resp: 1695

Ion Ratio Lower Upper

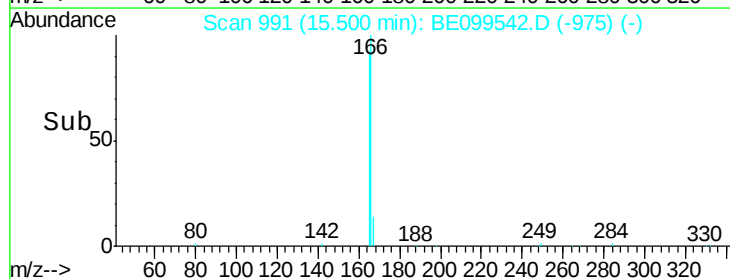
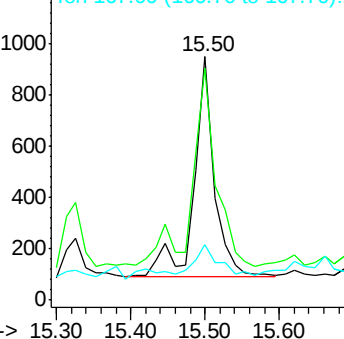
166 100

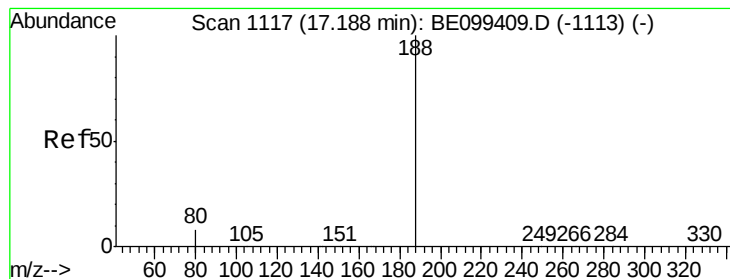
165 104.9 80.3 120.5

167 16.4 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: 17.20 min Scan# 1118

Delta R.T. 0.01 min

Lab File: BE099542.D

Acq: 3 May 2019 22:32

Instrument :

BNA_E

ClientSampleId :

EXT-025-SW028-042219

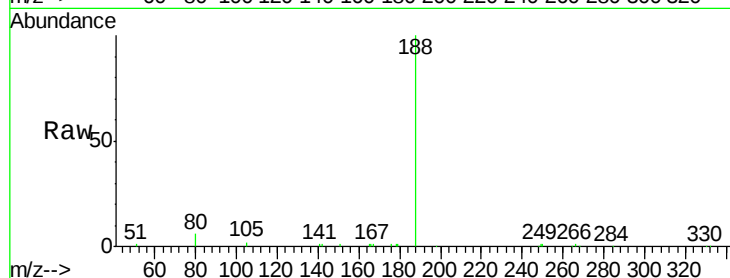
Tot Ion:188 Resp: 20291

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

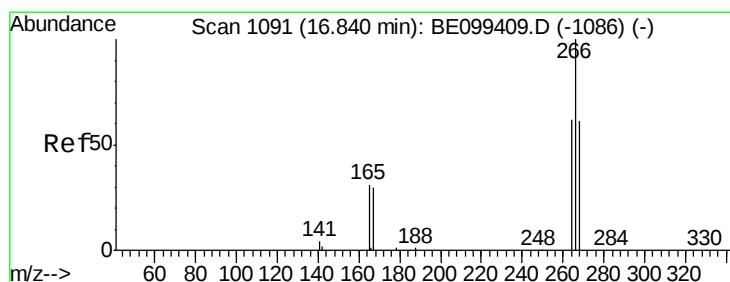
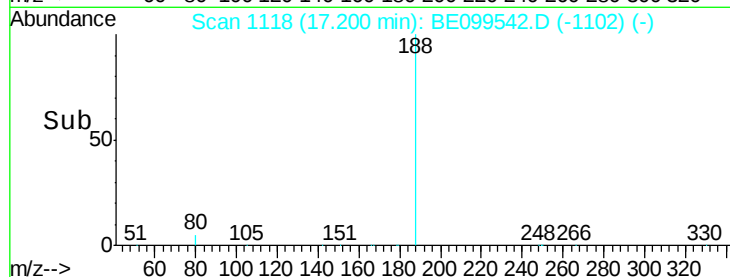
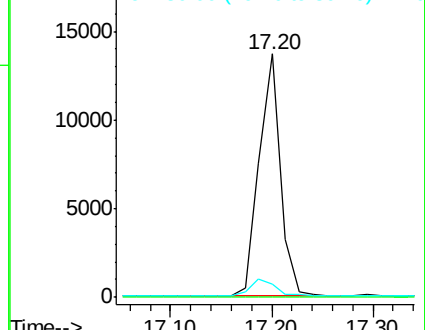
80 5.5 6.7 10.1#



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



#22

Pentachlorophenol

Concen: 0.231 ng

RT: 16.85 min Scan# 1092

Delta R.T. 0.01 min

Lab File: BE099542.D

Acq: 3 May 2019 22:32

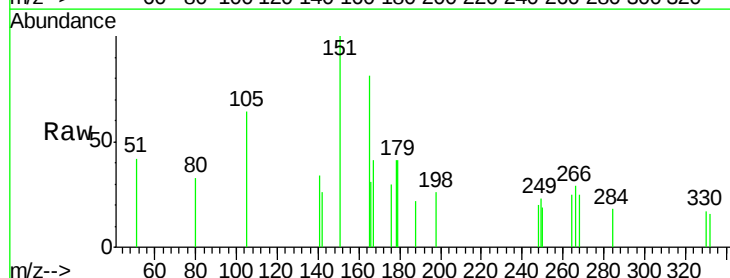
Tgt Ion:266 Resp: 103

Ion Ratio Lower Upper

266 100

264 86.2 50.8 76.2#

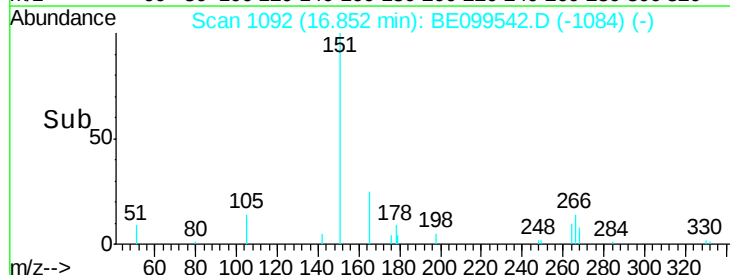
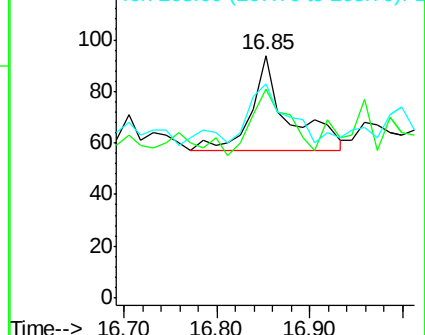
268 88.3 50.5 75.7#

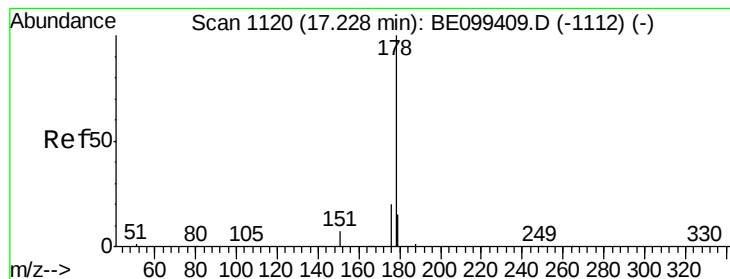


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 1.043 ng

RT: 17.24 min Scan# 1121

Delta R.T. 0.01 min

Lab File: BE099542.D

Acq: 3 May 2019 22:32

Instrument :

BNA_E

ClientSampleId :

EXT-025-SW028-042219

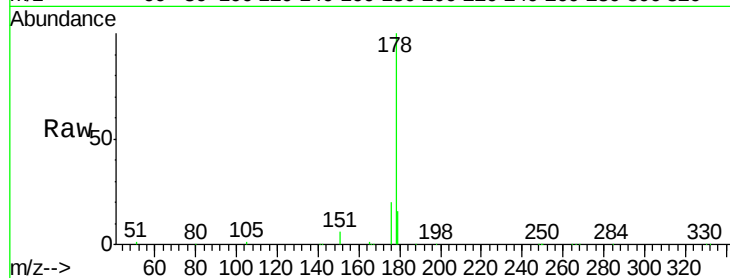
Tot Ion:178 Resp: 54626

Ion Ratio Lower Upper

178 100

176 19.8 15.6 23.4

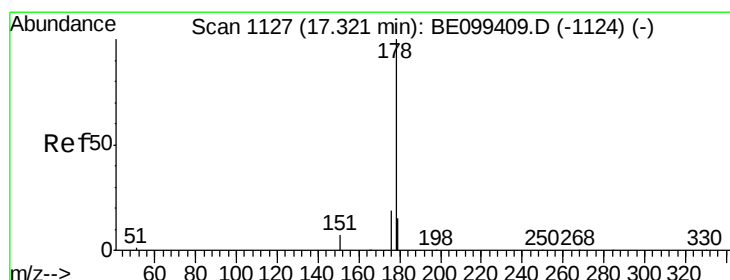
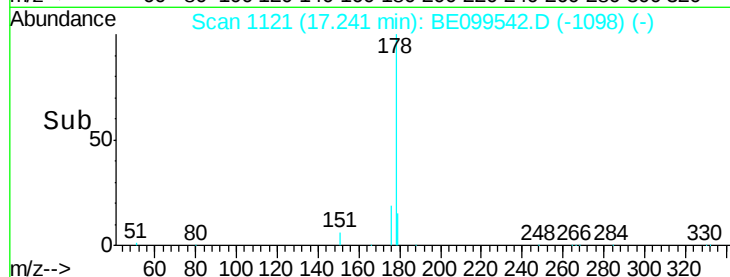
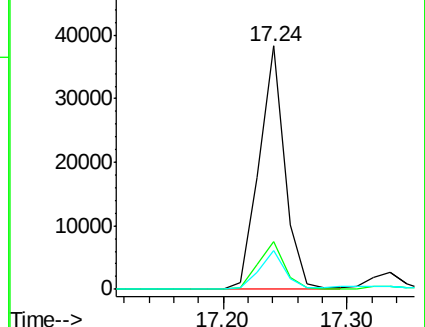
179 15.4 12.0 18.0



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: 0.074 ng

RT: 17.33 min Scan# 1128

Delta R.T. 0.01 min

Lab File: BE099542.D

Acq: 3 May 2019 22:32

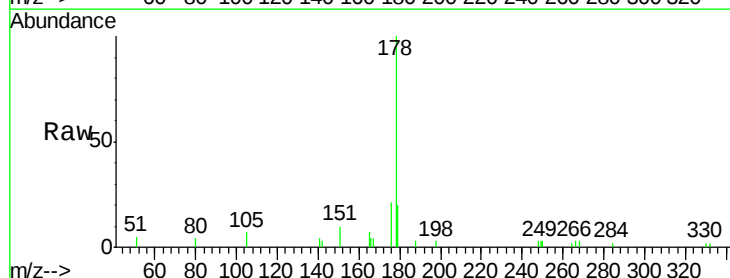
Tgt Ion:178 Resp: 3704

Ion Ratio Lower Upper

178 100

176 19.4 14.9 22.3

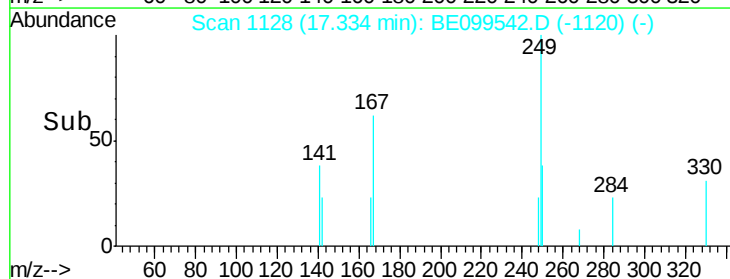
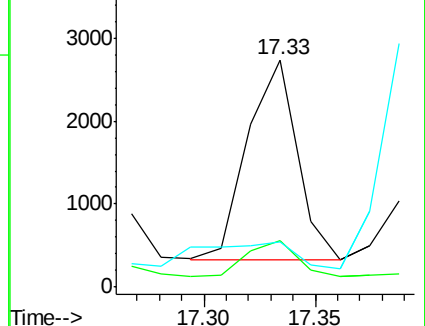
179 25.8 11.9 17.9#

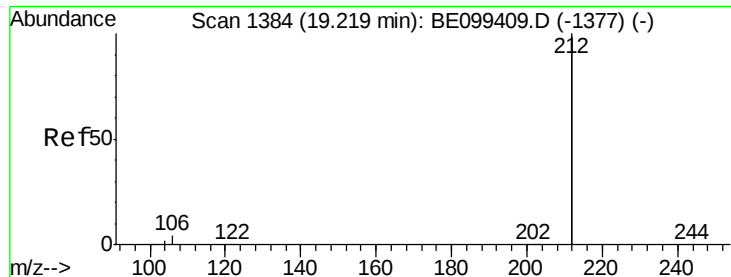


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.217 ng

RT: 19.23 min Scan# 1386

Delta R.T. 0.01 min

Lab File: BE099542.D

Acq: 3 May 2019 22:32

Instrument :

BNA_E

ClientSampleId :

EXT-025-SW028-042219

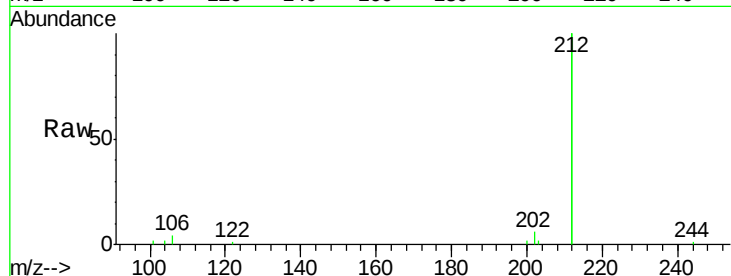
Tot Ion:212 Resp: 59230

Ion Ratio Lower Upper

212 100

106 1.8 1.5 2.3

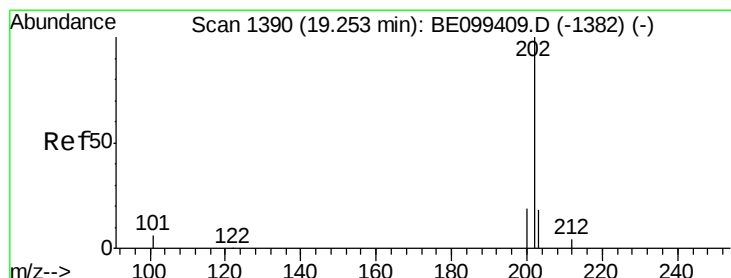
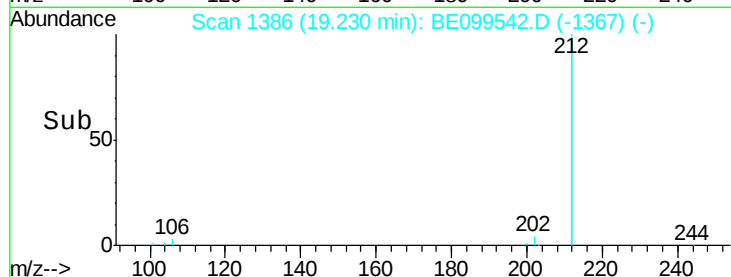
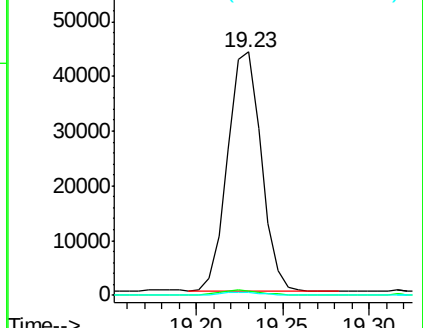
104 1.1 0.9 1.3



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: 3.012 ng

RT: 19.26 min Scan# 1391

Delta R.T. 0.01 min

Lab File: BE099542.D

Acq: 3 May 2019 22:32

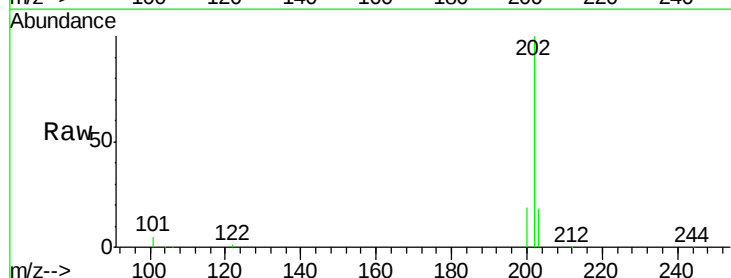
Tgt Ion:202 Resp: 236209

Ion Ratio Lower Upper

202 100

101 6.1 5.4 8.0

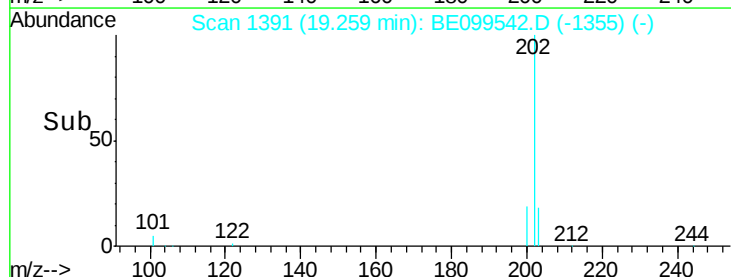
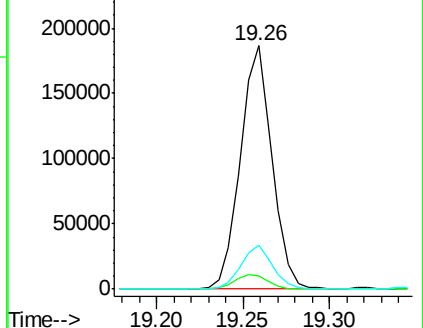
203 17.5 13.9 20.9

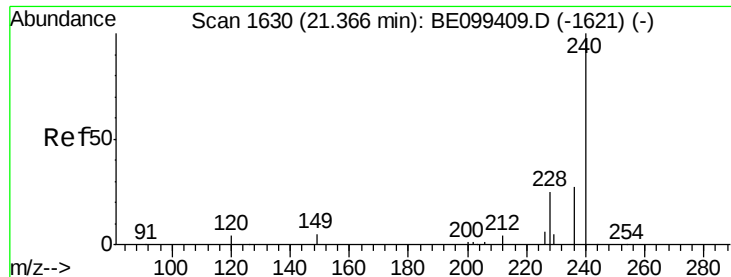


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

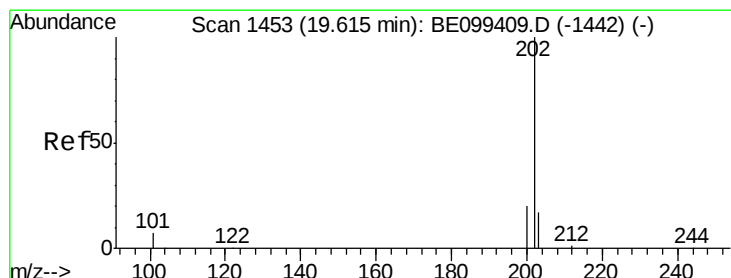
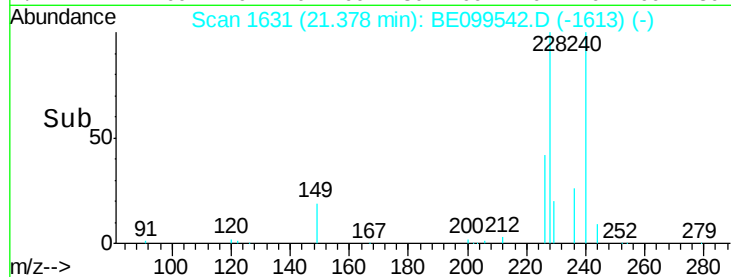
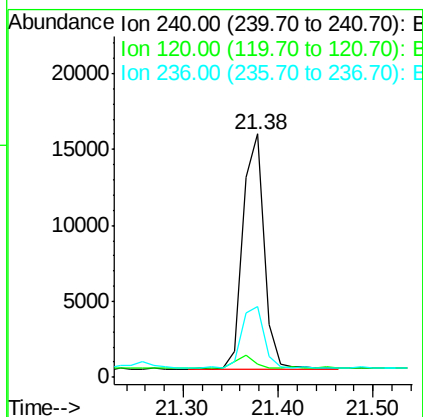
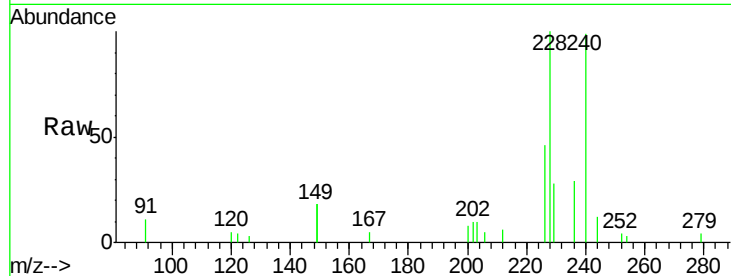




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.38 min Scan# 1631
 Delta R.T. 0.01 min
 Lab File: BE099542.D
 Acq: 3 May 2019 22:32

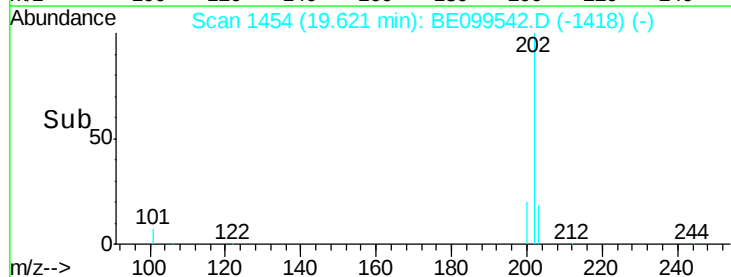
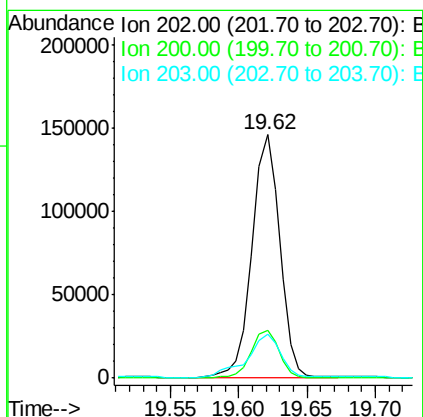
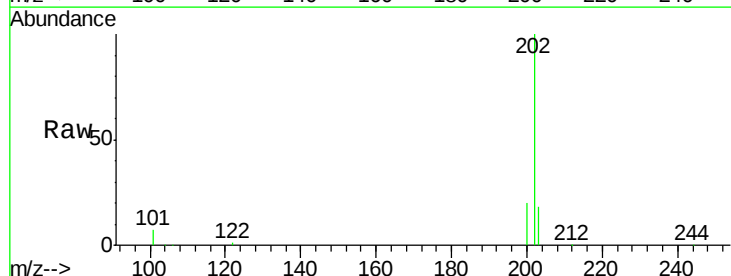
Instrument :
 BNA_E
 ClientSampleId :
 EXT-025-SW028-042219

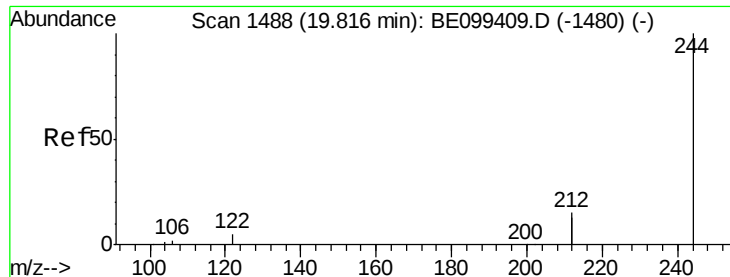
Tot Ion:240 Resp: 23924
 Ion Ratio Lower Upper
 240 100
 120 5.4 4.0 6.0
 236 29.2 22.0 33.0



#28
 Pyrene
 Concen: 3.271 ng
 RT: 19.62 min Scan# 1454
 Delta R.T. 0.01 min
 Lab File: BE099542.D
 Acq: 3 May 2019 22:32

Tgt Ion:202 Resp: 203967
 Ion Ratio Lower Upper
 202 100
 200 20.1 15.7 23.5
 203 21.5 13.9 20.9#





#29

Terphenyl-d14

Concen: 0.305 ng

RT: 19.82 min Scan# 1489

Delta R.T. 0.01 min

Lab File: BE099542.D

Acq: 3 May 2019 22:32

Instrument :

BNA_E

ClientSampleId :

EXT-025-SW028-042219

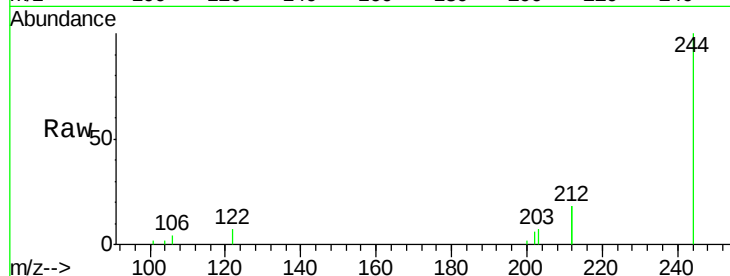
Tot Ion:244 Resp: 13353

Ion Ratio Lower Upper

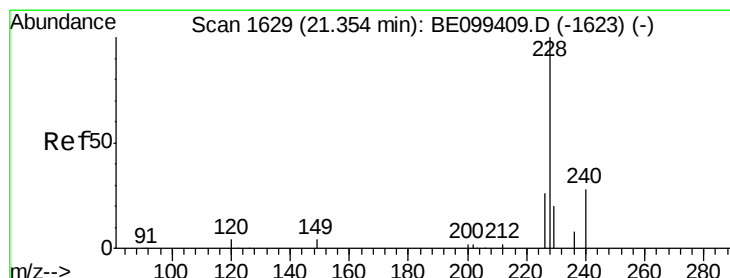
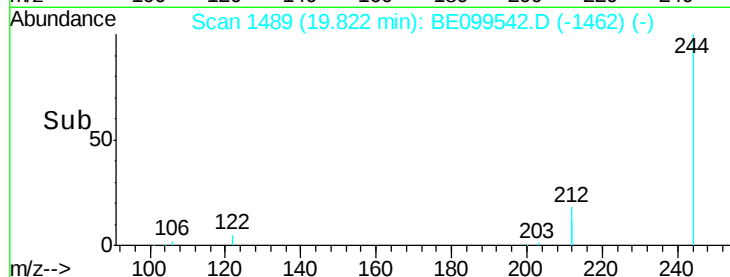
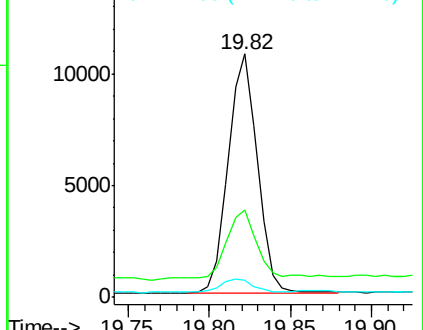
244 100

212 36.1 23.2 34.8#

122 7.0 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: 1.399 ng

RT: 21.35 min Scan# 1629

Delta R.T. -0.00 min

Lab File: BE099542.D

Acq: 3 May 2019 22:32

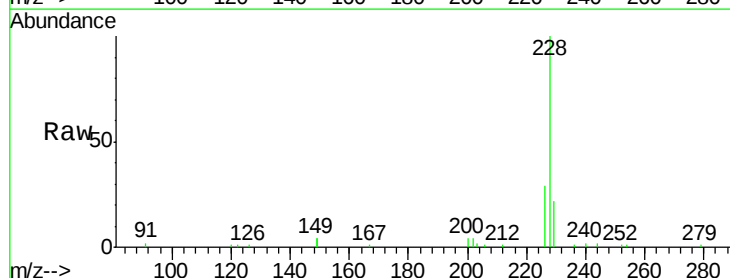
Tgt Ion:228 Resp: 106655

Ion Ratio Lower Upper

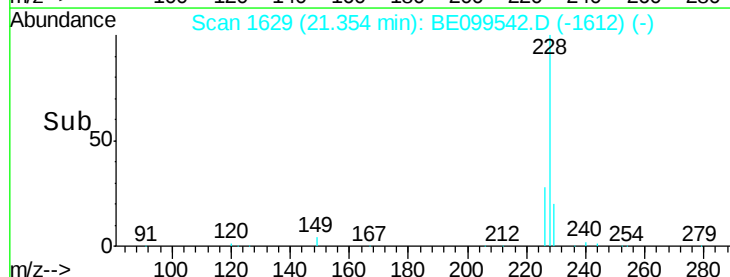
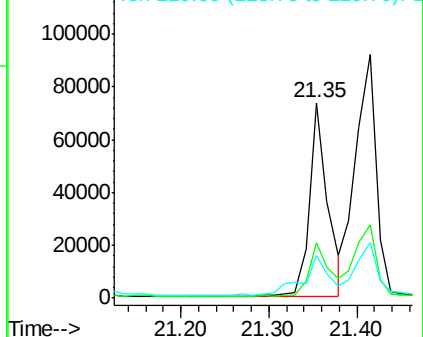
228 100

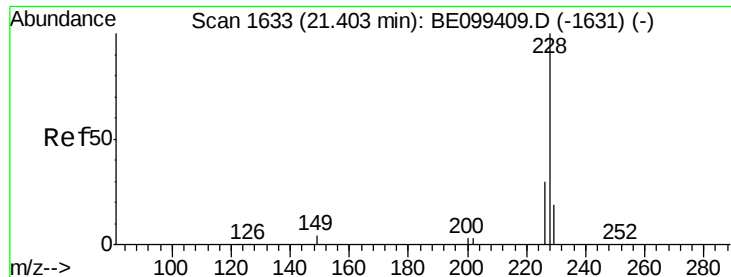
226 28.5 21.0 31.6

229 21.6 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: 2.014 ng

RT: 21.41 min Scan# 1634

Delta R.T. 0.01 min

Lab File: BE099542.D

Acq: 3 May 2019 22:32

Instrument :

BNA_E

ClientSampleId :

EXT-025-SW028-042219

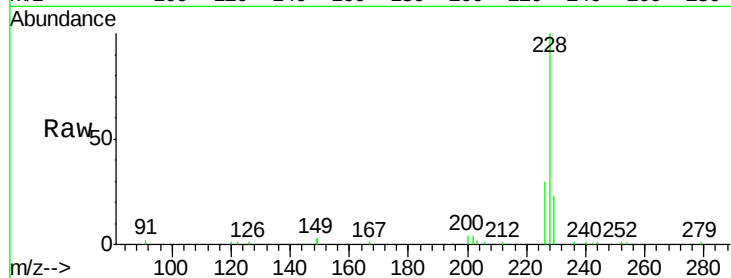
Tot Ion:228 Resp: 150225

Ion Ratio Lower Upper

228 100

226 30.2 24.0 36.0

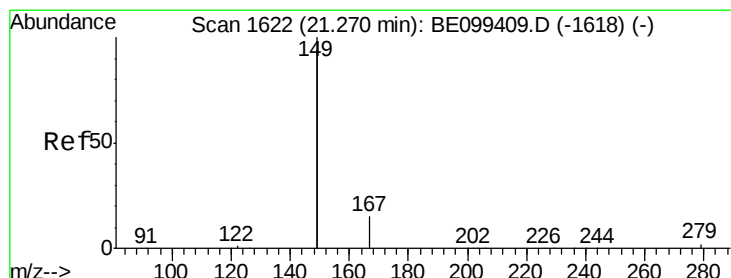
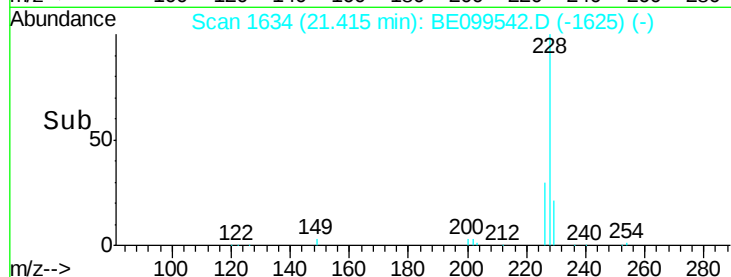
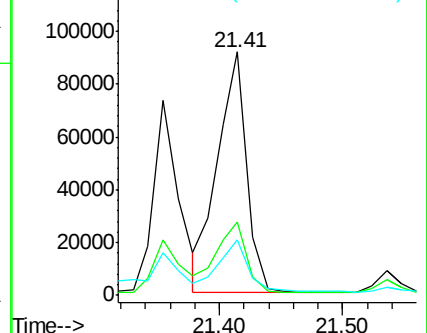
229 22.8 15.8 23.8



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: 0.748 ng

RT: 21.27 min Scan# 1622

Delta R.T. 0.00 min

Lab File: BE099542.D

Acq: 3 May 2019 22:32

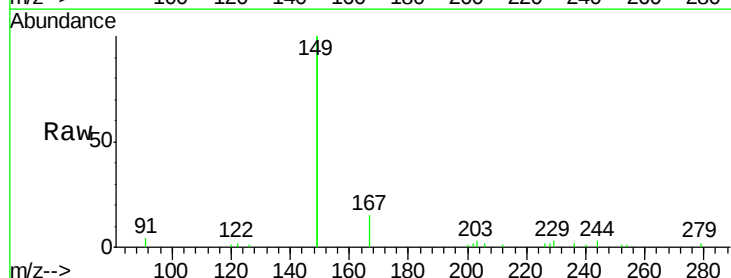
Tgt Ion:149 Resp: 88146

Ion Ratio Lower Upper

149 100

167 7.5 5.8 8.6

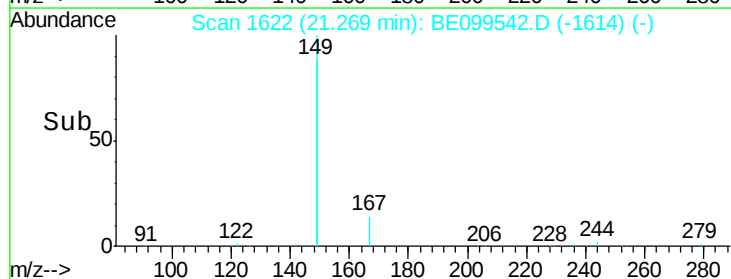
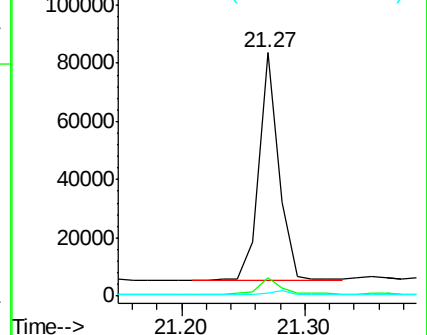
279 1.8 1.0 1.6#

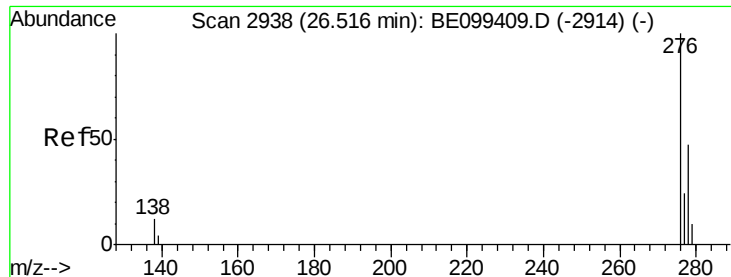


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

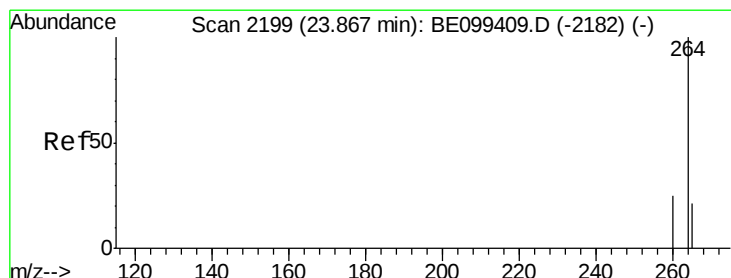
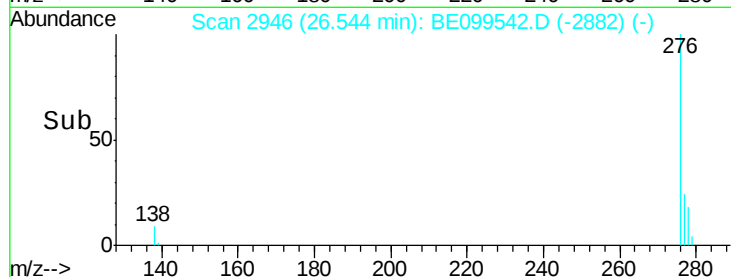
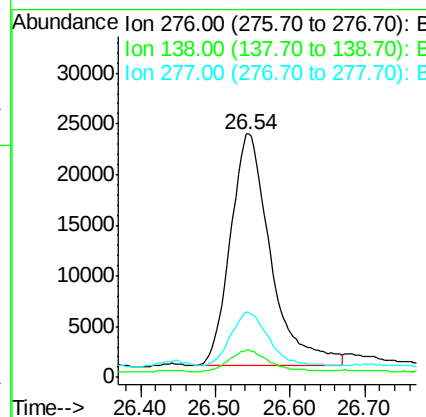
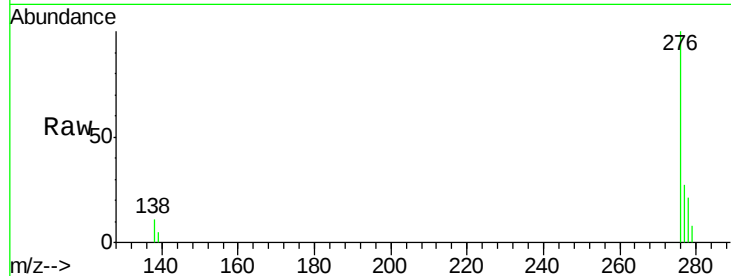




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.975 ng
 RT: 26.54 min Scan# 2946
 Delta R.T. 0.03 min
 Lab File: BE099542.D
 Acq: 3 May 2019 22:32

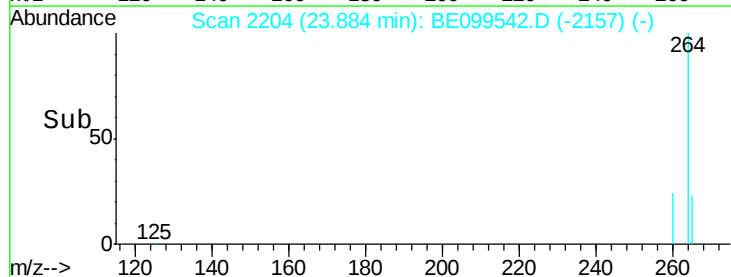
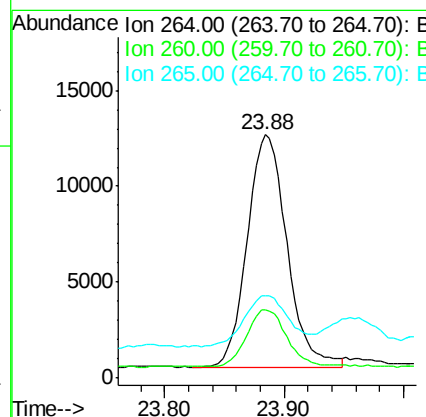
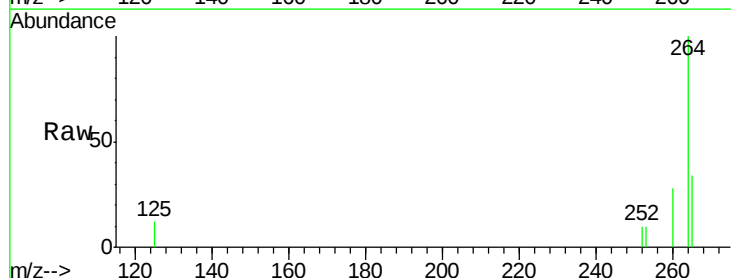
Instrument :
 BNA_E
 ClientSampleId :
 EXT-025-SW028-042219

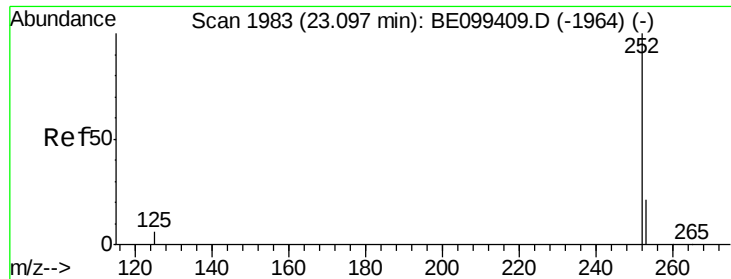
Tot Ion:276 Resp: 85933
 Ion Ratio Lower Upper
 276 100
 138 9.2 10.2 15.2#
 277 21.9 19.2 28.8



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.88 min Scan# 2204
 Delta R.T. 0.02 min
 Lab File: BE099542.D
 Acq: 3 May 2019 22:32

Tgt Ion:264 Resp: 28102
 Ion Ratio Lower Upper
 264 100
 260 27.8 20.2 30.2
 265 33.9 21.3 31.9#





#35

Benzo(b)fluoranthene

Concen: 2.525 ng

RT: 23.11 min Scan# 1987

Delta R.T. 0.01 min

Lab File: BE099542.D

Acq: 3 May 2019 22:32

Instrument :

BNA_E

ClientSampleId :

EXT-025-SW028-042219

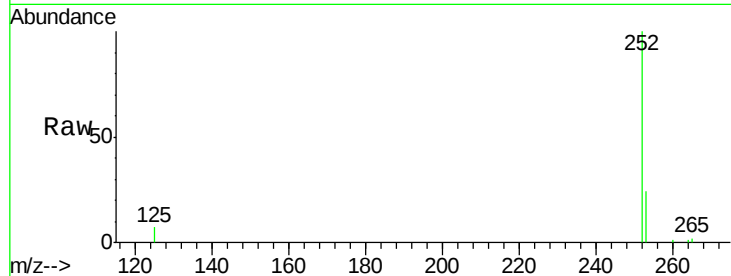
Tot Ion:252 Resp: 204624

Ion Ratio Lower Upper

252 100

253 23.8 18.1 27.1

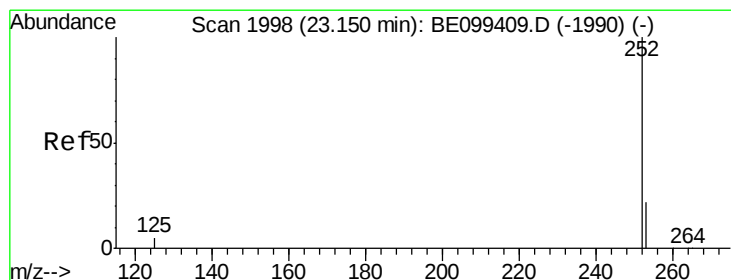
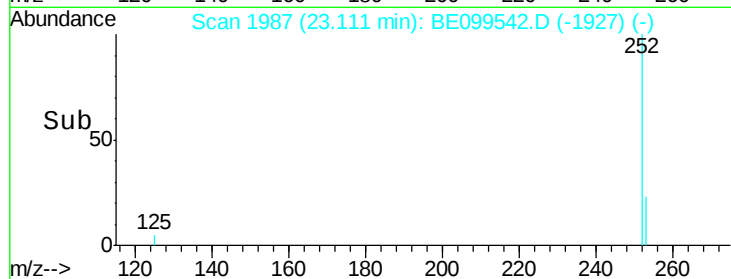
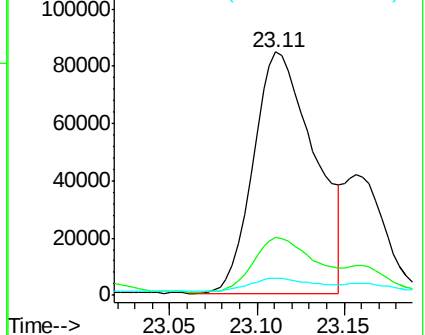
125 7.1 5.6 8.4



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: 2.619 ng

RT: 23.11 min Scan# 1987

Delta R.T. -0.04 min

Lab File: BE099542.D

Acq: 3 May 2019 22:32

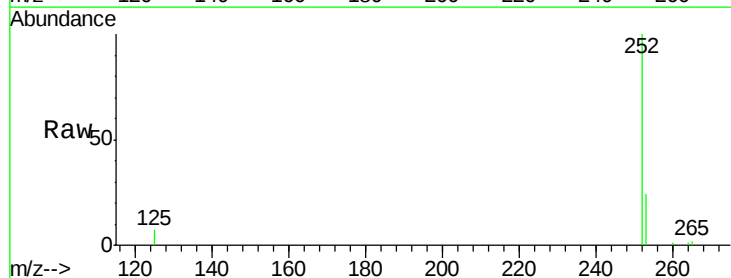
Tgt Ion:252 Resp: 204624

Ion Ratio Lower Upper

252 100

253 23.8 18.4 27.6

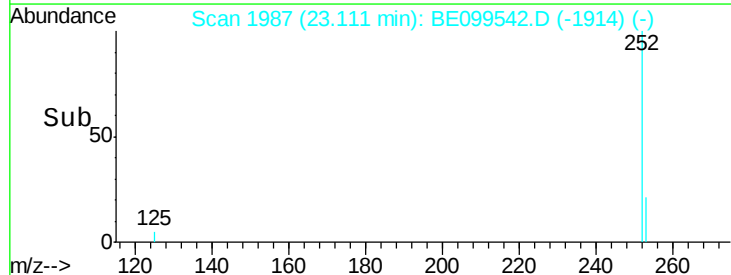
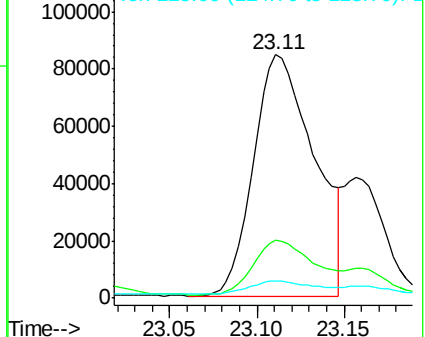
125 7.1 5.0 7.4

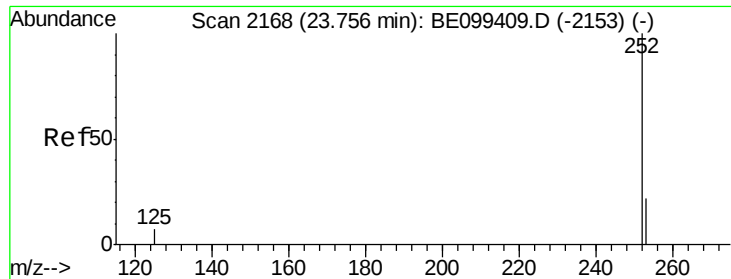


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 1.504 ng

RT: 23.77 min Scan# 2172

Delta R.T. 0.01 min

Lab File: BE099542.D

Acq: 3 May 2019 22:32

Instrument :

BNA_E

ClientSampleId :

EXT-025-SW028-042219

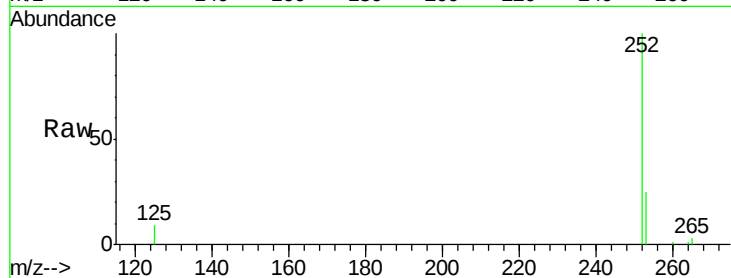
Tot Ion:252 Resp: 115209

Ion Ratio Lower Upper

252 100

253 24.5 18.9 28.3

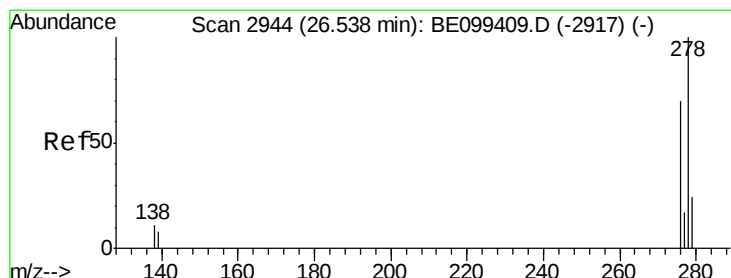
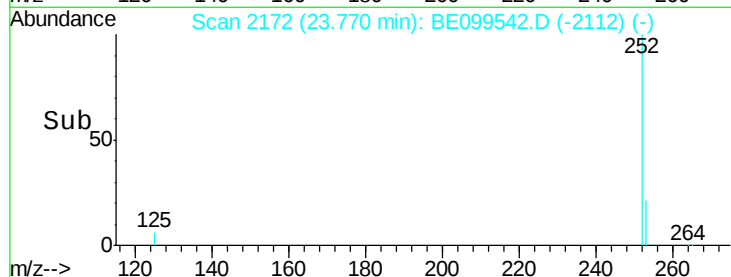
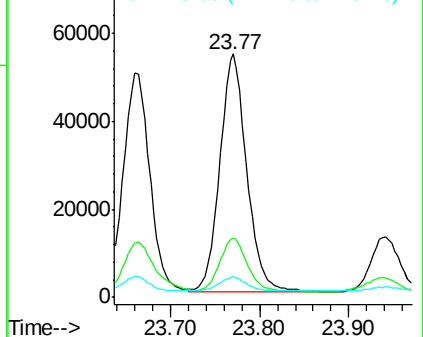
125 8.5 6.7 10.1



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: 0.228 ng

RT: 26.56 min Scan# 2950

Delta R.T. 0.02 min

Lab File: BE099542.D

Acq: 3 May 2019 22:32

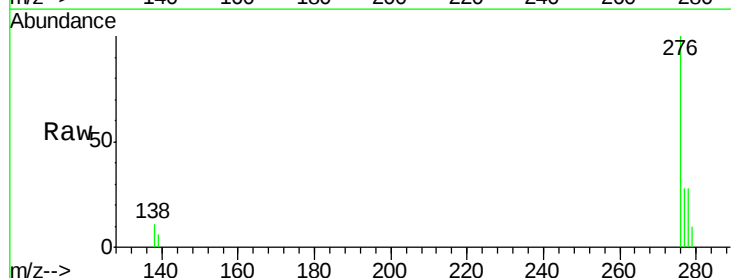
Tgt Ion:278 Resp: 17898

Ion Ratio Lower Upper

278 100

139 21.1 7.7 11.5#

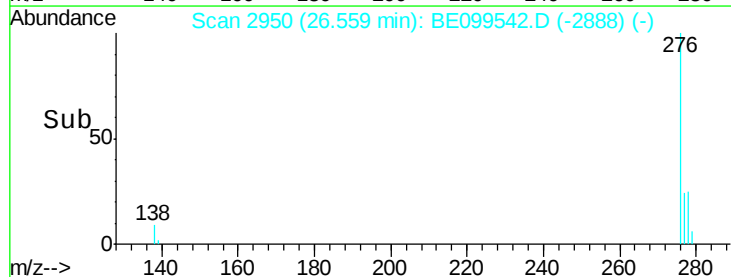
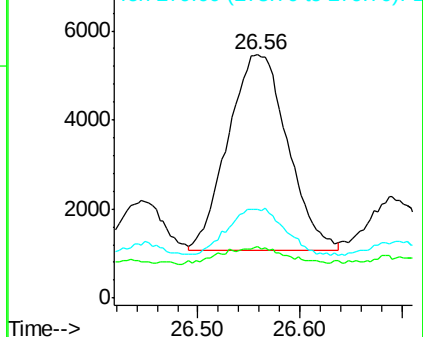
279 36.4 20.2 30.2#

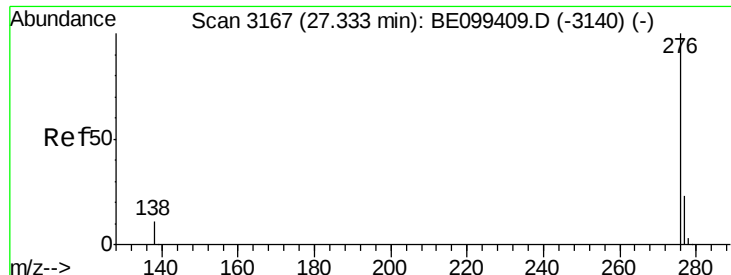


Abundance Ion 278.00 (277.70 to 278.70): E

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: 1.052 ng

RT: 27.37 min Scan# 3177

Delta R.T. 0.04 min

Lab File: BE099542.D

Acq: 3 May 2019 22:32

Instrument :

BNA_E

ClientSampleId :

EXT-025-SW028-042219

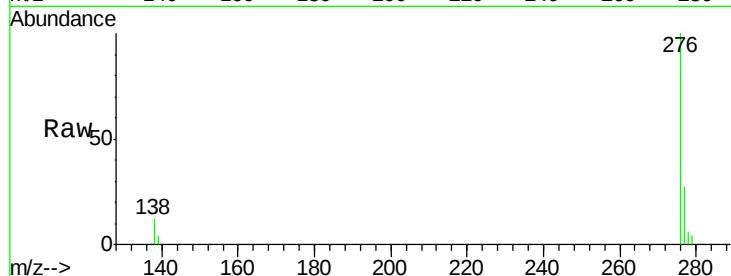
Tot Ion:276 Resp: 82557

Ion Ratio Lower Upper

276 100

277 27.0 19.5 29.3

138 11.7 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

