

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050319\
 Data File : BE099543.D
 Acq On : 3 May 2019 23:08
 Operator : JU/SJ
 Sample : K2587-20
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-004-SW068-042319

Quant Time: May 04 01:05:23 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE042919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 29 18:36:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	2294	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	9105	0.40	ng	0.00
13) Acenaphthene-d10	14.47	164	7718	0.40	ng	0.01
19) Phenanthrene-d10	17.20	188	20344	0.40	ng	0.01
27) Chrysene-d12	21.39	240	33123	0.40	ng	0.02
34) Perylene-d12	23.91	264	32789	0.40	ng	0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.39	112	2291	0.36	ng	0.00
5) Phenol-d6	6.98	99	3313	0.39	ng	0.00
8) Nitrobenzene-d5	8.96	82	2856	0.33	ng	0.00
11) 2-Methylnaphthalene-d10	12.21	152	5439	0.33	ng	0.01
14) 2,4,6-Tribromophenol	15.94	330	1659	0.34	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	8109	0.28	ng	0.00
25) Fluoranthene-d10	19.24	212	72926	0.27	ng	0.02
29) Terphenyl-d14	19.82	244	22939	0.38	ng	0.00

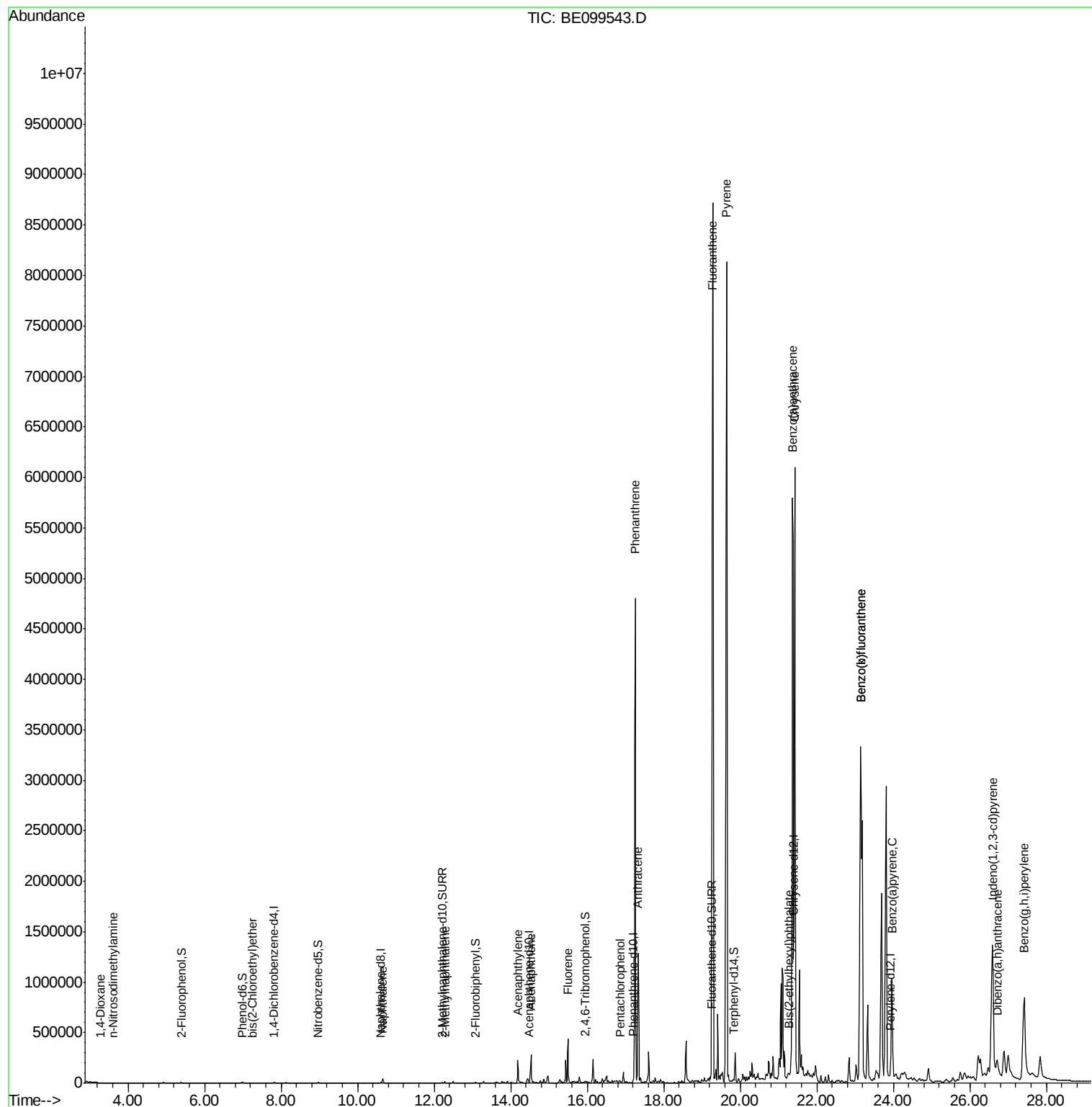
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.28	88	88	0.028	ng	# 27
3) n-Nitrosodimethylamine	3.60	42	78	0.041	ng	# 1
6) bis(2-Chloroethyl)ether	7.24	93	201	0.028	ng	# 1
9) Naphthalene	10.65	128	76354	0.770	ng	100
12) 2-Methylnaphthalene	12.28	142	11380	0.660	ng	95
16) Acenaphthylene	14.18	152	295599	7.827	ng	98
17) Acenaphthene	14.53	154	135407	6.278	ng	99
18) Fluorene	15.50	166	308613	9.699	ng	99
22) Pentachlorophenol	16.87	266	70	0.226	ng	# 71
23) Phenanthrene	17.25	178	5226185	99.555	ng	94
24) Anthracene	17.34	178	1224734	24.477	ng	98
26) Fluoranthene	19.28	202	10716801	136.290	ng	# 88
28) Pyrene	19.64	202	9765673	113.105	ng	# 81
30) Benzo(a)anthracene	21.37	228	6453518	61.151	ng	# 87
31) Chrysene	21.43	228	5346448	51.770	ng	# 87
32) Bis(2-ethylhexyl)phthalate	21.27	149	16996	0.042	ng	# 98
33) Indeno(1,2,3-cd)pyrene	26.59	276	3148008	25.791	ng	# 94
35) Benzo(b)fluoranthene	23.15	252	7623177	80.628	ng	# 95
36) Benzo(k)fluoranthene	23.15	252	7623177	83.615	ng	96
37) Benzo(a)pyrene	23.97	252	1481809	16.578	ng	98
38) Dibenzo(a,h)anthracene	26.72	278	211929	2.318	ng	92
39) Benzo(g,h,i)perylene	27.42	276	2711550	29.600	ng	# 97

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.81 min Scan# 429

Delta R.T. -0.01 min

Lab File: BE099543.D

Acq: 3 May 2019 23:08

Instrument :

BNA_E

ClientSampleId :

EXT-004-SW068-042319

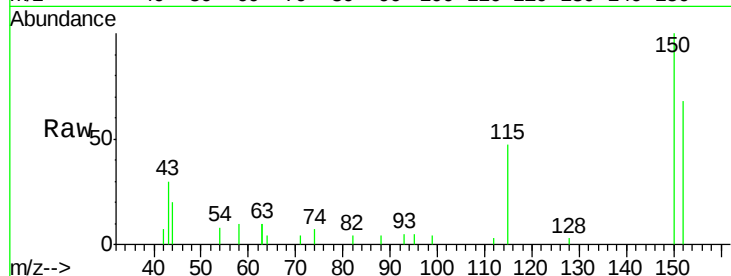
Tot Ion:152 Resp: 2294

Ion Ratio Lower Upper

152 100

150 146.5 104.8 157.2

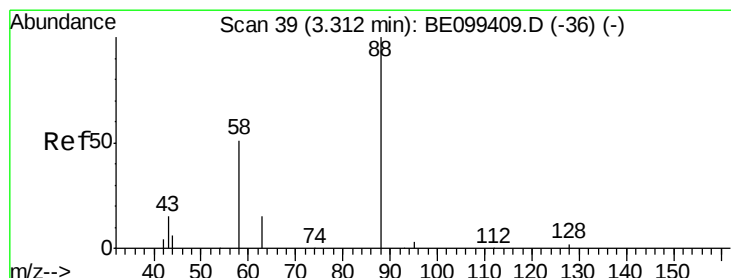
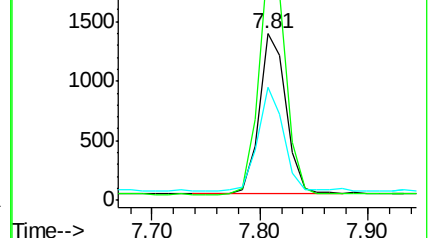
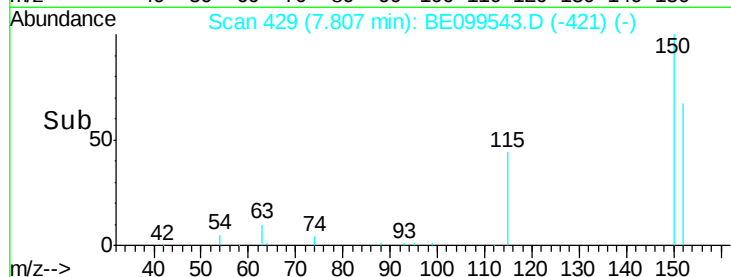
115 68.1 46.6 69.8



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: 0.028 ng

RT: 3.28 min Scan# 36

Delta R.T. -0.03 min

Lab File: BE099543.D

Acq: 3 May 2019 23:08

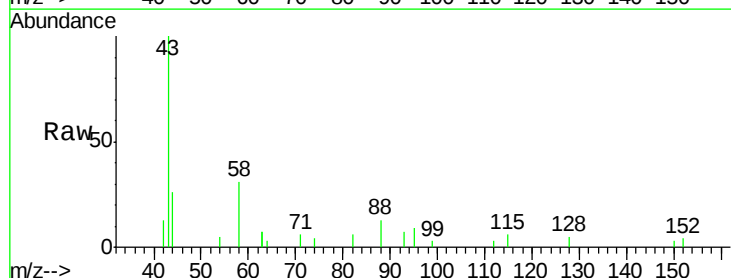
Tgt Ion: 88 Resp: 88

Ion Ratio Lower Upper

88 100

58 0.0 51.0 76.6#

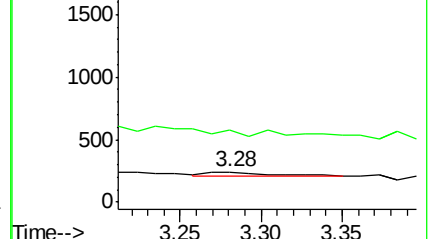
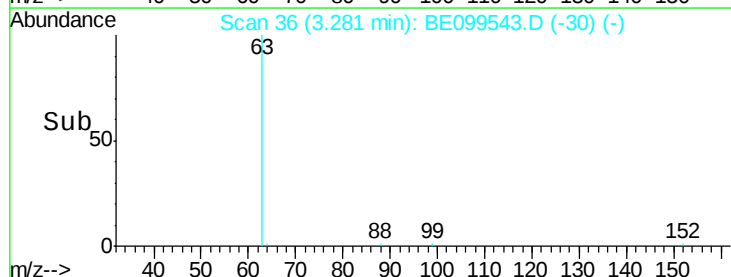
43 0.0 20.6 30.8#



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: 0.041 ng

RT: 3.60 min Scan# 64

Delta R.T. -0.04 min

Lab File: BE099543.D

Acq: 3 May 2019 23:08

Instrument :

BNA_E

ClientSampleId :

EXT-004-SW068-042319

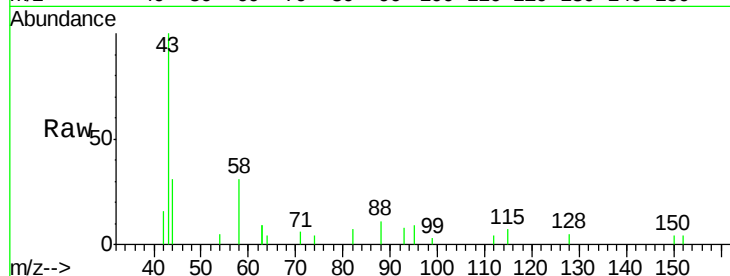
Tot Ion: 42 Resp: 78

Ion Ratio Lower Upper

42 100

74 0.0 141.6 212.4#

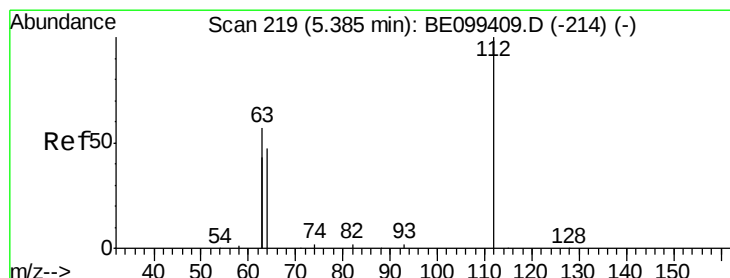
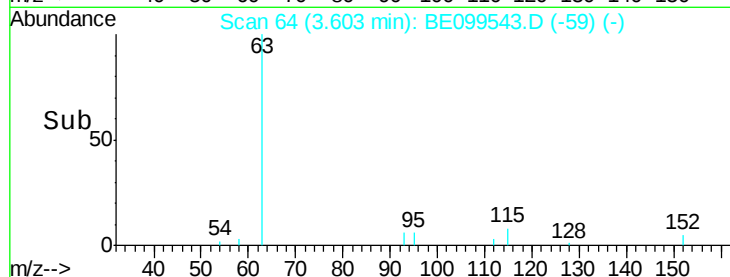
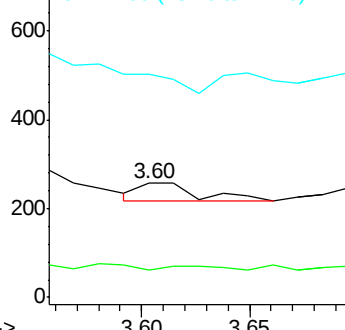
44 0.0 0.0 0.0



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: 0.361 ng

RT: 5.39 min Scan# 219

Delta R.T. 0.00 min

Lab File: BE099543.D

Acq: 3 May 2019 23:08

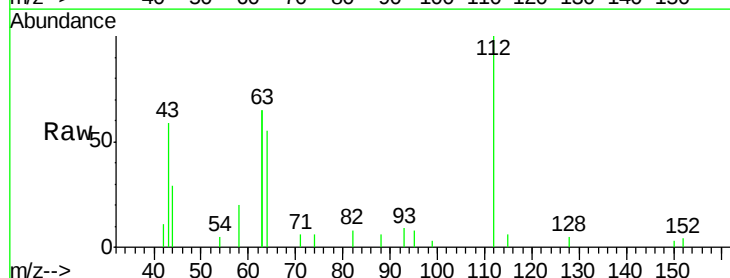
Tgt Ion: 112 Resp: 2291

Ion Ratio Lower Upper

112 100

64 56.5 47.4 71.0

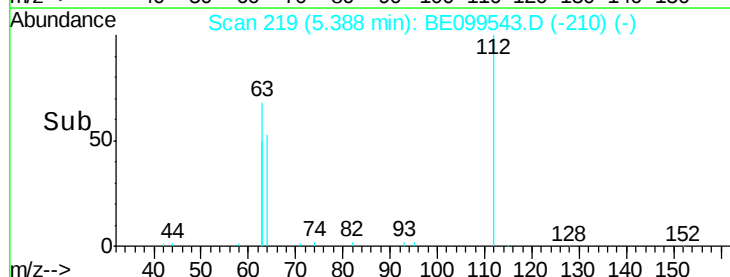
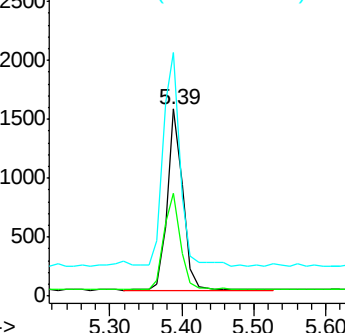
63 127.3 104.3 156.5



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: 0.393 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099543.D

Acq: 3 May 2019 23:08

Instrument :

BNA_E

ClientSampleId :

EXT-004-SW068-042319

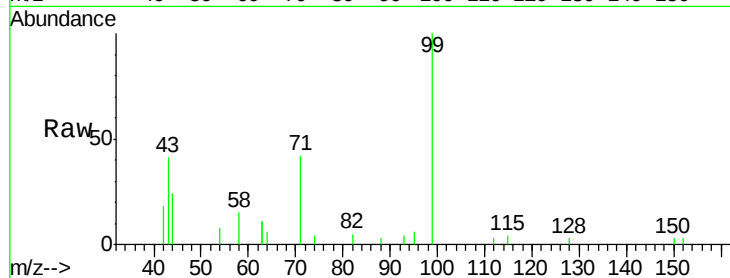
Tot Ion: 99 Resp: 3313

Ion Ratio Lower Upper

99 100

42 17.1 14.9 22.3

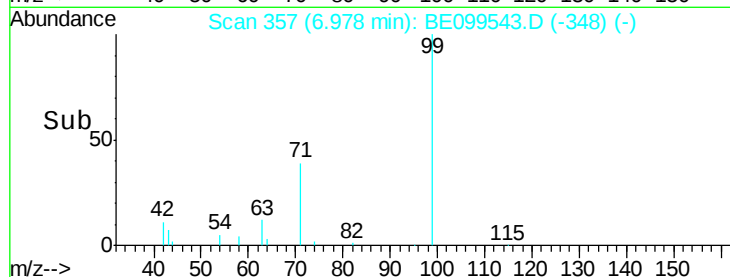
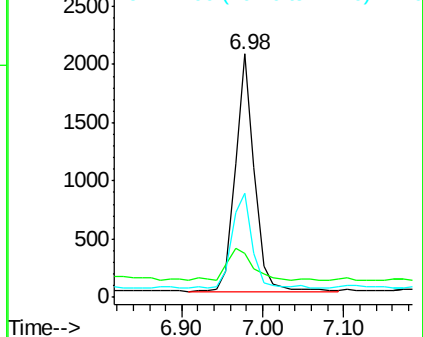
71 42.4 33.0 49.6



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: 0.028 ng

RT: 7.24 min Scan# 380

Delta R.T. 0.00 min

Lab File: BE099543.D

Acq: 3 May 2019 23:08

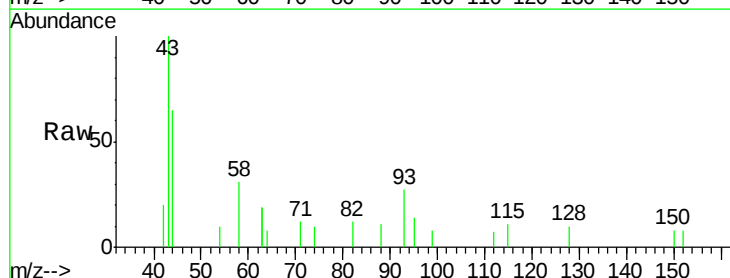
Tgt Ion: 93 Resp: 201

Ion Ratio Lower Upper

93 100

63 0.0 215.6 323.4#

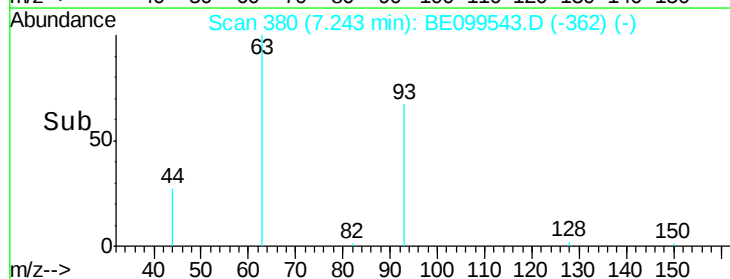
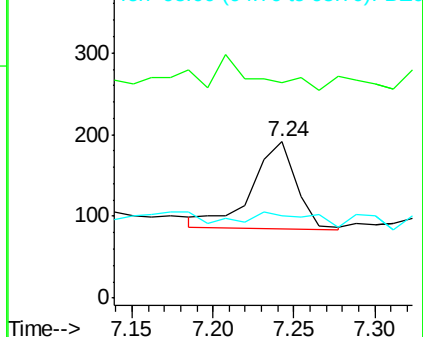
95 21.4 26.2 39.2#



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: BE099543.D

Acq: 3 May 2019 23:08

Instrument :

BNA_E

ClientSampleId :

EXT-004-SW068-042319

Tot Ion:136 Resp: 9105

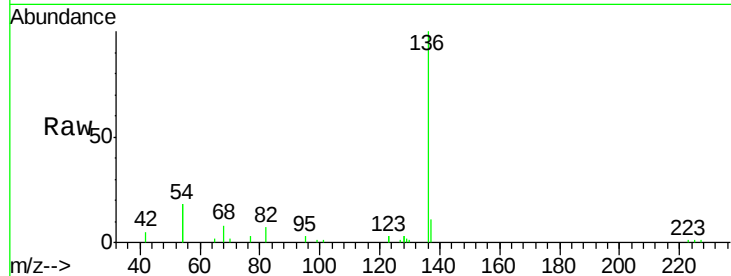
Ion Ratio Lower Upper

136 100

137 11.3 9.8 14.8

54 35.1 18.5 27.7#

68 8.1 4.7 7.1#

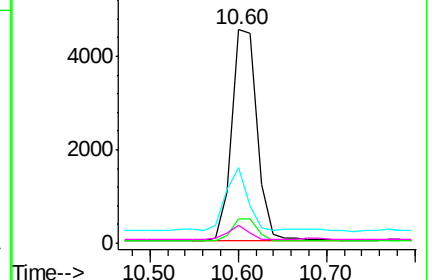
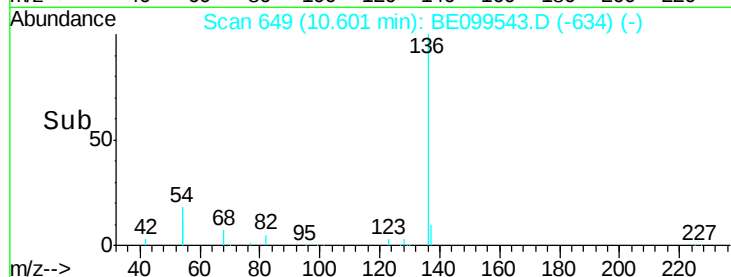


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.335 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099543.D

Acq: 3 May 2019 23:08

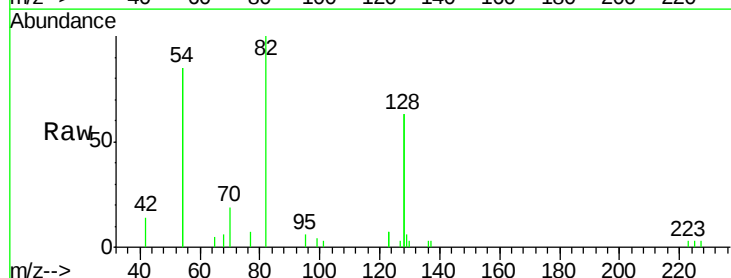
Tgt Ion: 82 Resp: 2856

Ion Ratio Lower Upper

82 100

128 126.5 107.0 160.4

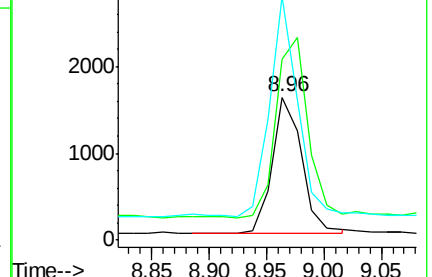
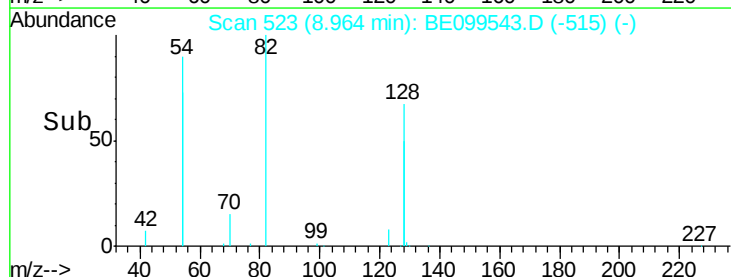
54 170.2 113.1 169.7#

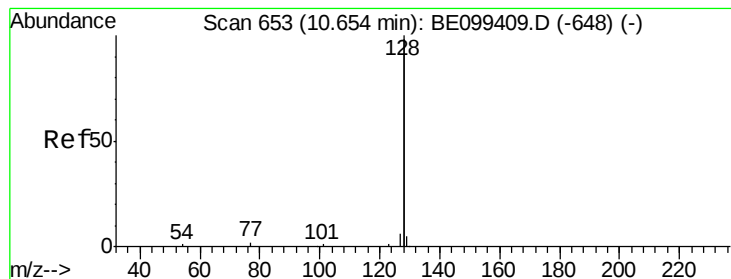


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.770 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BE099543.D

Acq: 3 May 2019 23:08

Instrument :

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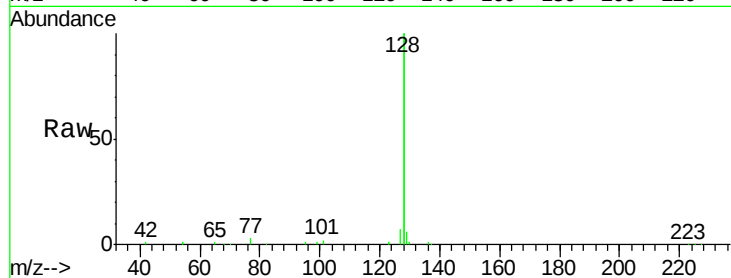
Tot Ion:128 Resp: 76354

Ion Ratio Lower Upper

128 100

129 2.8 2.4 3.6

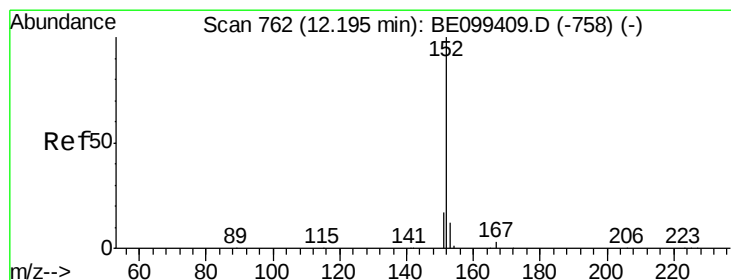
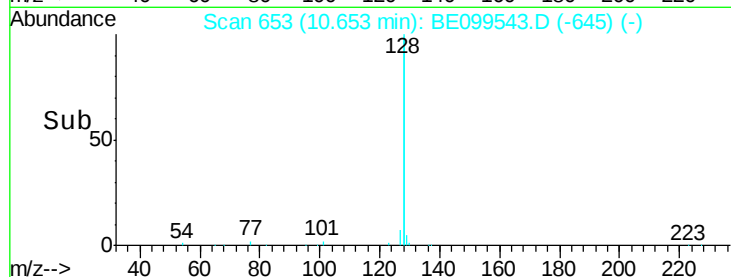
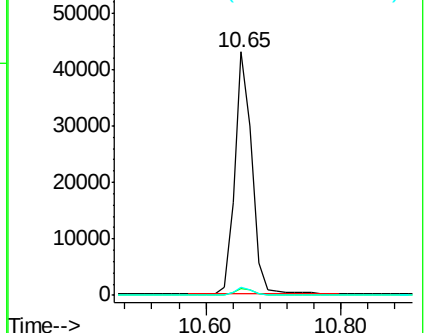
127 3.4 2.8 4.2



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: 0.332 ng

RT: 12.21 min Scan# 763

Delta R.T. 0.01 min

Lab File: BE099543.D

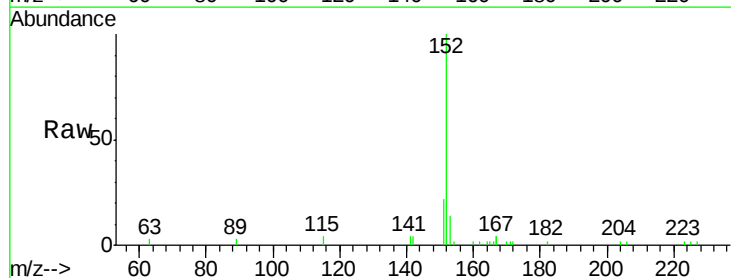
Acq: 3 May 2019 23:08

Tgt Ion:152 Resp: 5439

Ion Ratio Lower Upper

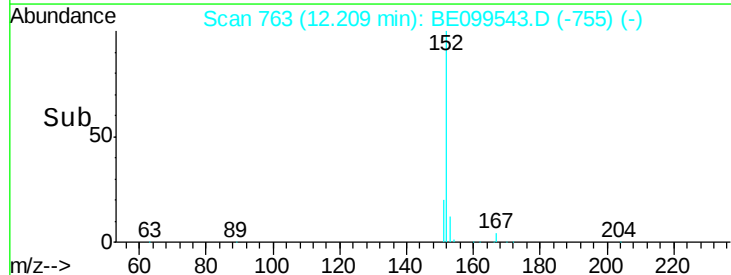
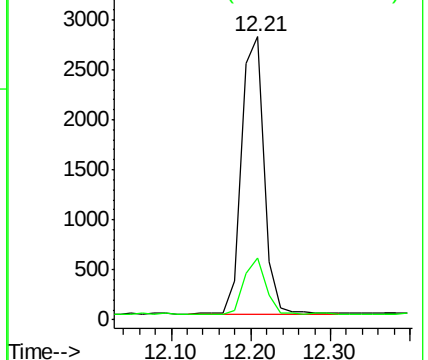
152 100

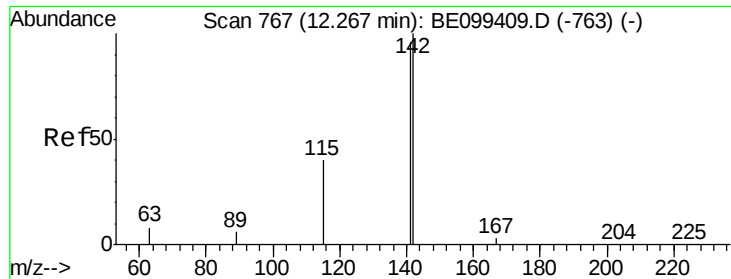
151 19.4 15.5 23.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 0.660 ng

RT: 12.28 min Scan# 768

Delta R.T. 0.01 min

Lab File: BE099543.D

Acq: 3 May 2019 23:08

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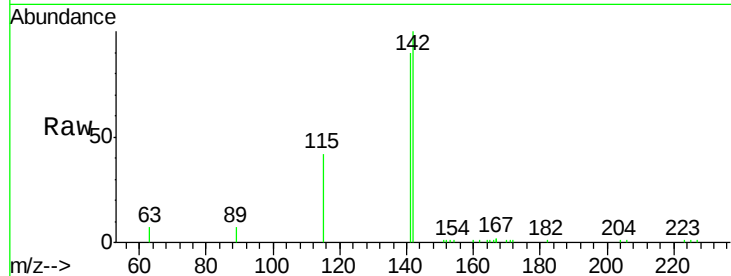
Tot Ion:142 Resp: 11380

Ion Ratio Lower Upper

142 100

141 89.6 77.0 115.4

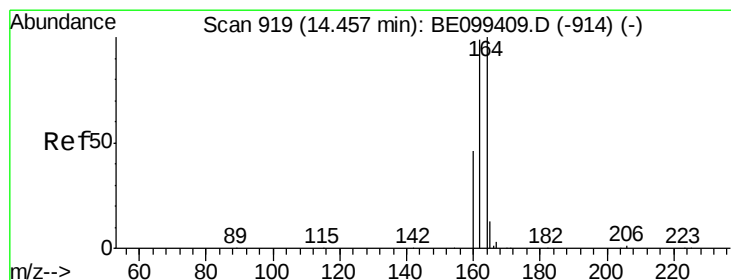
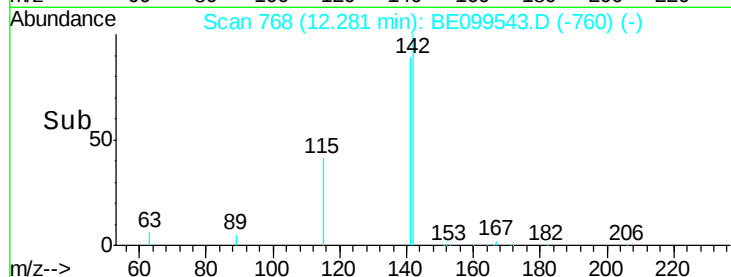
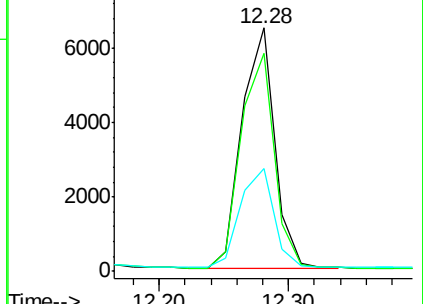
115 42.5 33.4 50.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.47 min Scan# 920

Delta R.T. 0.01 min

Lab File: BE099543.D

Acq: 3 May 2019 23:08

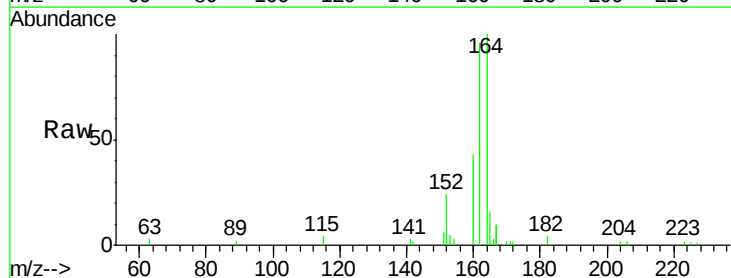
Tgt Ion:164 Resp: 7718

Ion Ratio Lower Upper

164 100

162 95.9 79.0 118.4

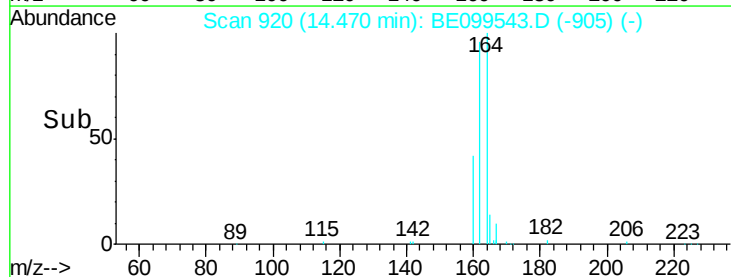
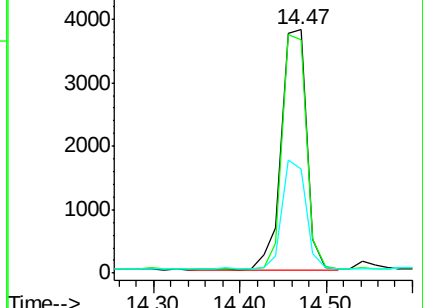
160 42.8 37.0 55.4

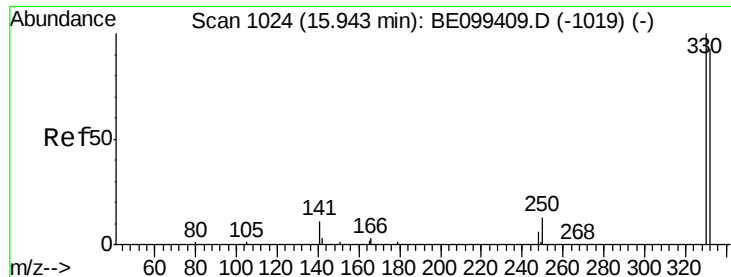


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

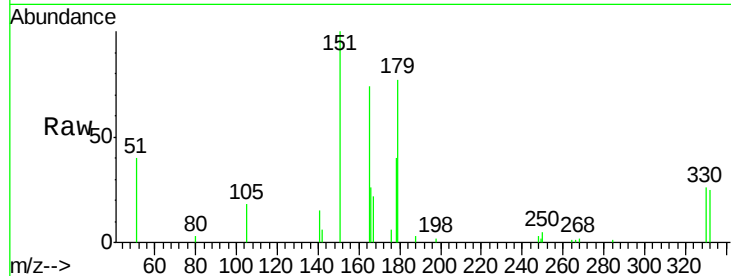




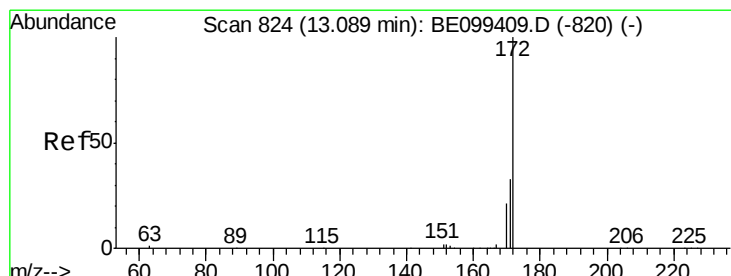
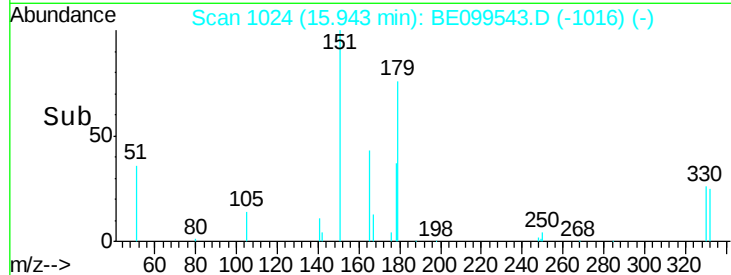
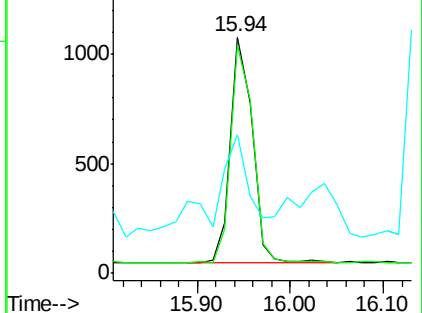
#14
 2,4,6-Tribromophenol
 Concen: 0.341 ng
 RT: 15.94 min Scan# 1024
 Delta R.T. 0.00 min
 Lab File: BE099543.D
 Acq: 3 May 2019 23:08

Instrument :
 BNA_E
 ClientSampleId :
 EXT-004-SW068-042319

Tot Ion:330 Resp: 1659
 Ion Ratio Lower Upper
 330 100
 332 97.1 71.5 107.3
 141 42.0 24.0 36.0#

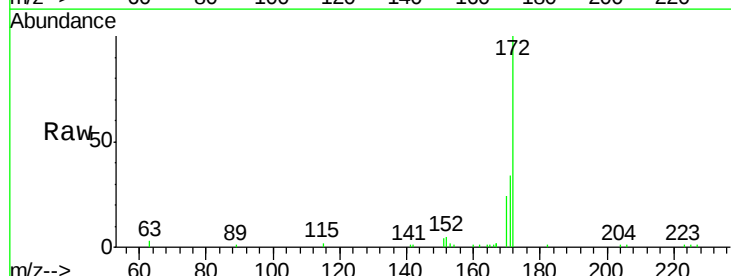


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

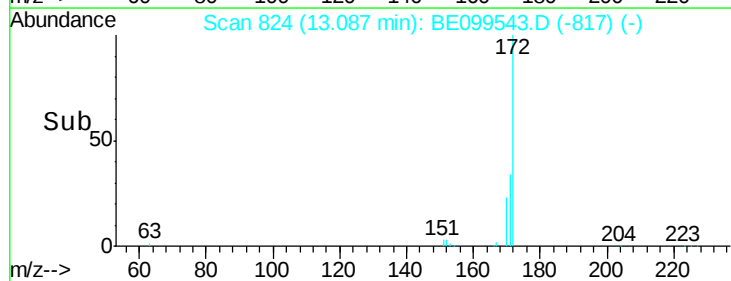
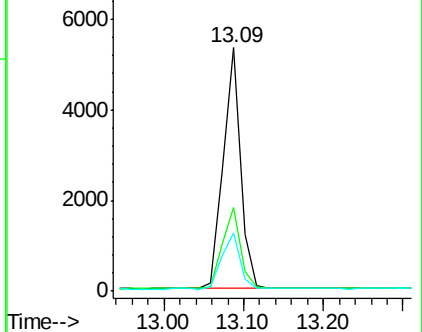


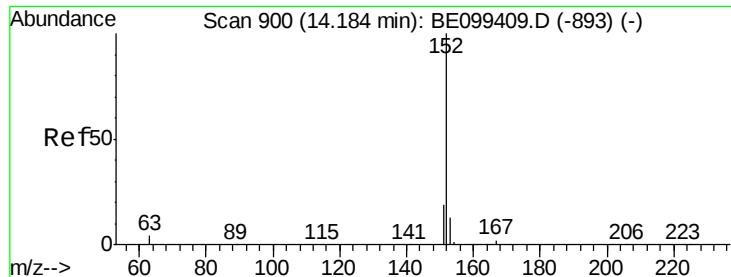
#15
 2-Fluorobiphenyl
 Concen: 0.275 ng
 RT: 13.09 min Scan# 824
 Delta R.T. -0.00 min
 Lab File: BE099543.D
 Acq: 3 May 2019 23:08

Tgt Ion:172 Resp: 8109
 Ion Ratio Lower Upper
 172 100
 171 34.2 26.6 39.8
 170 23.8 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

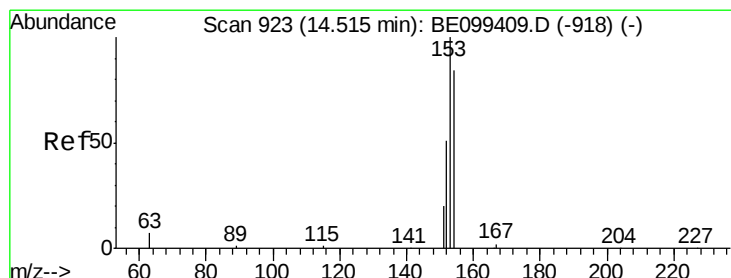
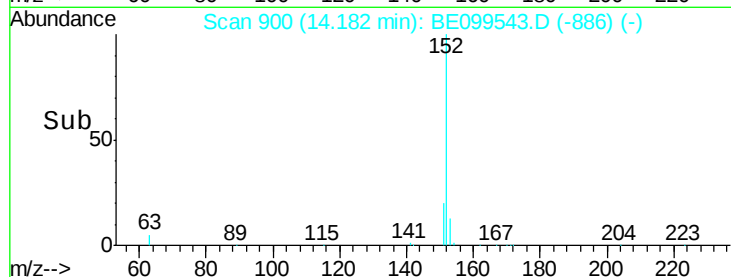
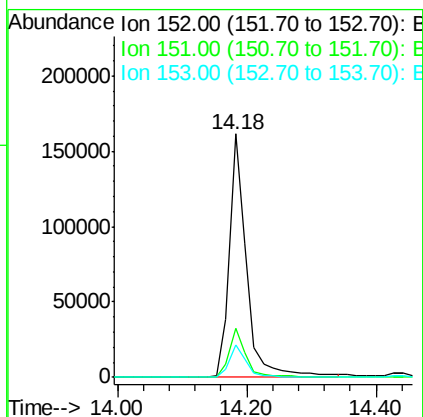
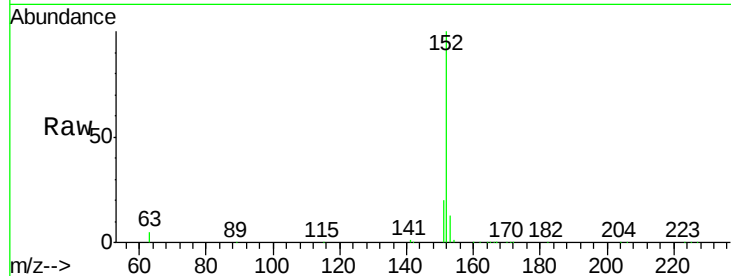




#16
Acenaphthylene
Concen: 7.827 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE099543.D
Acq: 3 May 2019 23:08

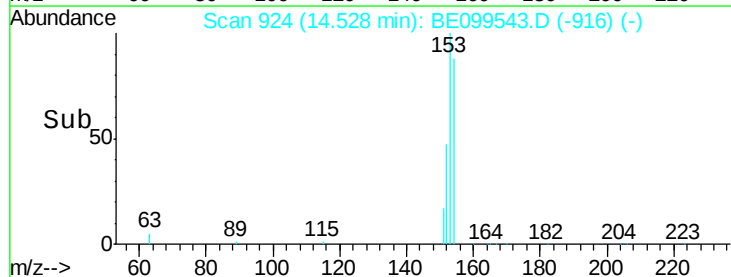
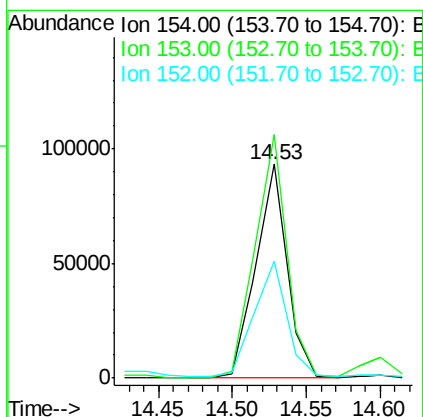
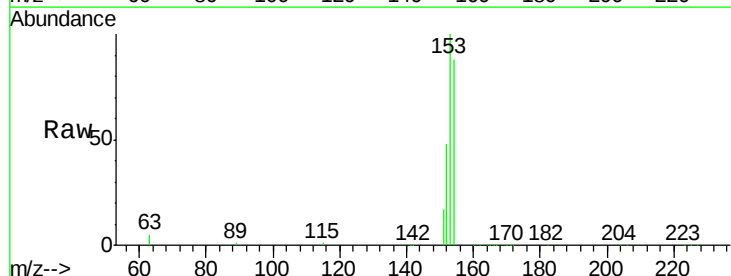
Instrument :
BNA_E
ClientSampleId :
EXT-004-SW068-042319

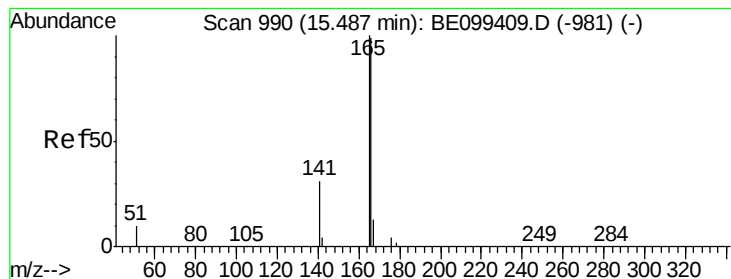
Tot Ion:152 Resp: 295599
Ion Ratio Lower Upper
152 100
151 19.9 15.4 23.2
153 13.3 9.8 14.6



#17
Acenaphthene
Concen: 6.278 ng
RT: 14.53 min Scan# 924
Delta R.T. 0.01 min
Lab File: BE099543.D
Acq: 3 May 2019 23:08

Tgt Ion:154 Resp: 135407
Ion Ratio Lower Upper
154 100
153 115.8 92.6 138.8
152 56.0 45.8 68.8





#18

Fluorene

Concen: 9.699 ng

RT: 15.50 min Scan# 991

Delta R.T. 0.01 min

Lab File: BE099543.D

Acq: 3 May 2019 23:08

Instrument :

BNA_E

ClientSampleId :

EXT-004-SW068-042319

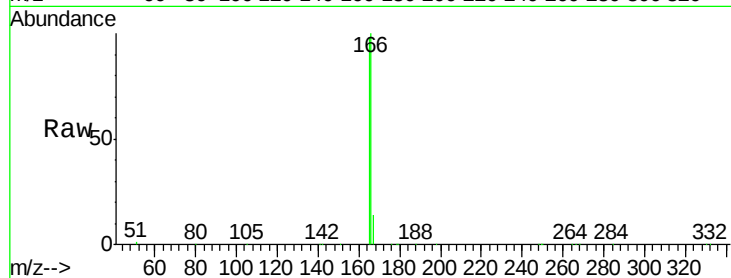
Tot Ion:166 Resp: 308613

Ion Ratio Lower Upper

166 100

165 101.1 80.3 120.5

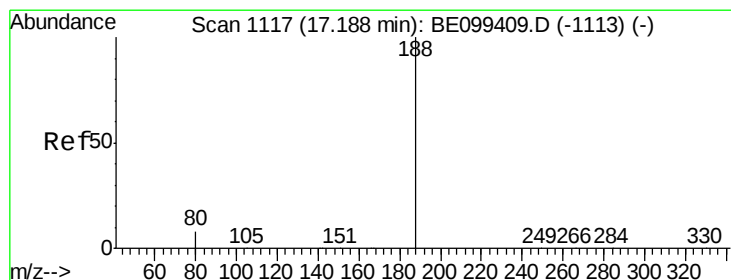
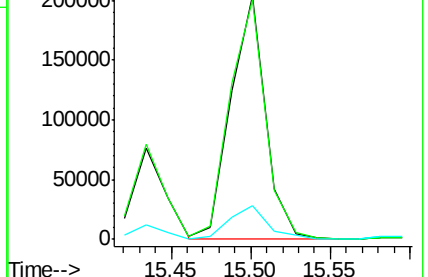
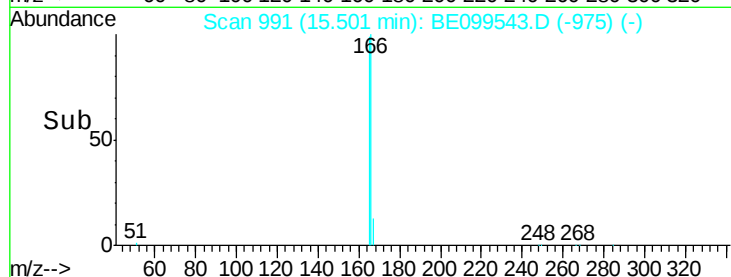
167 15.5 10.7 16.1



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: BE099543.D

Acq: 3 May 2019 23:08

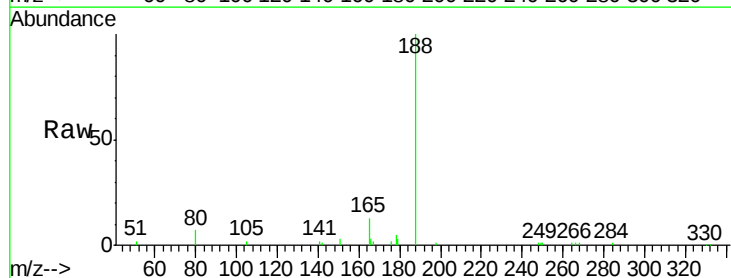
Tgt Ion:188 Resp: 20344

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

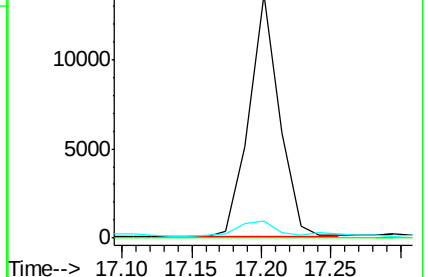
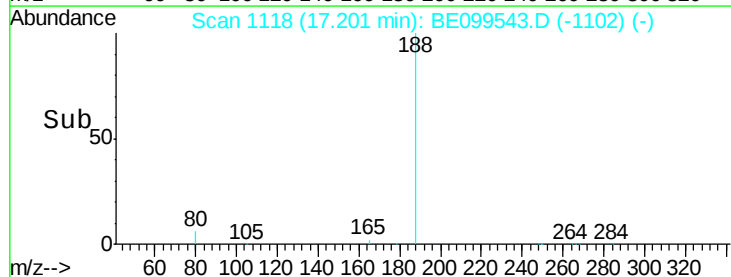
80 6.8 6.7 10.1

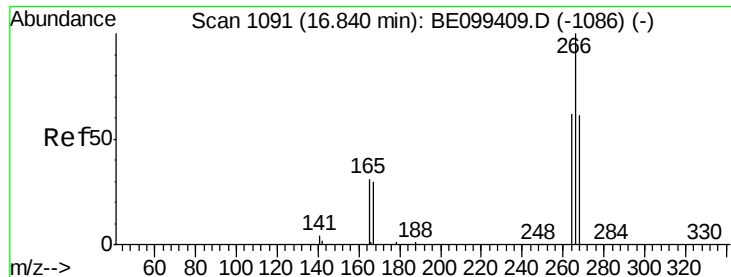


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

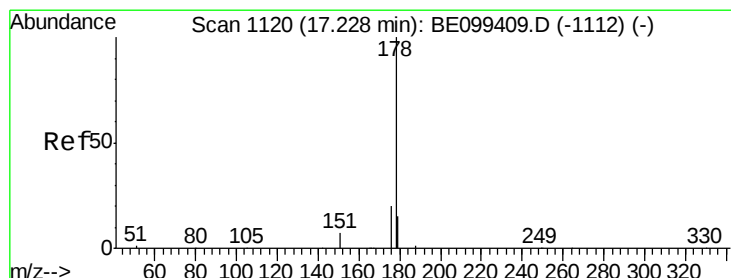
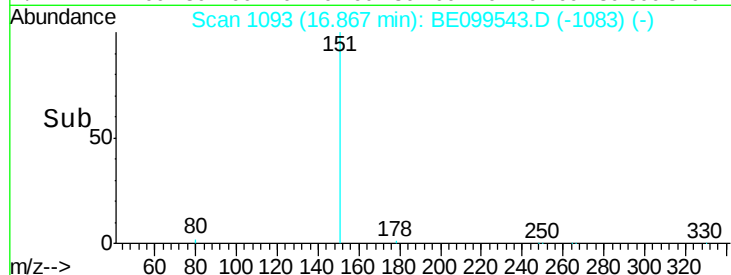
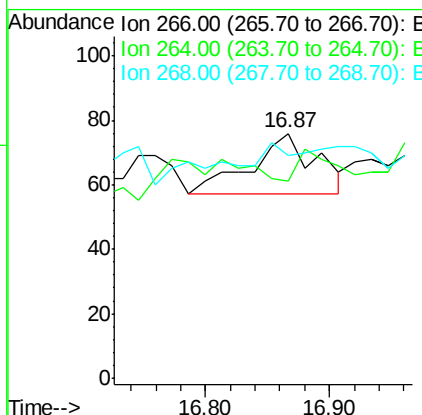
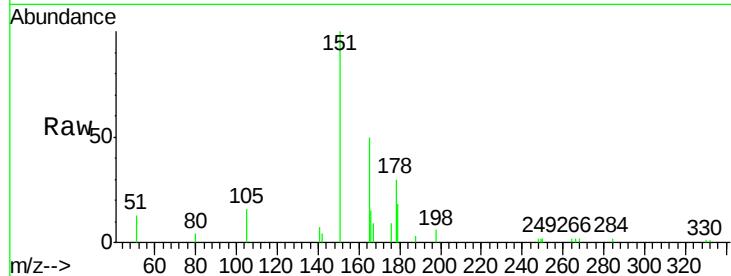




#22
 Pentachlorophenol
 Concen: 0.226 ng
 RT: 16.87 min Scan# 1093
 Delta R.T. 0.03 min
 Lab File: BE099543.D
 Acq: 3 May 2019 23:08

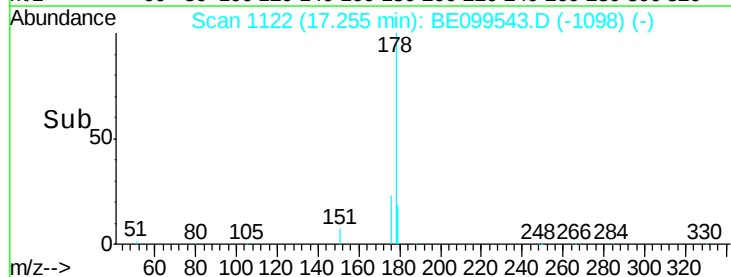
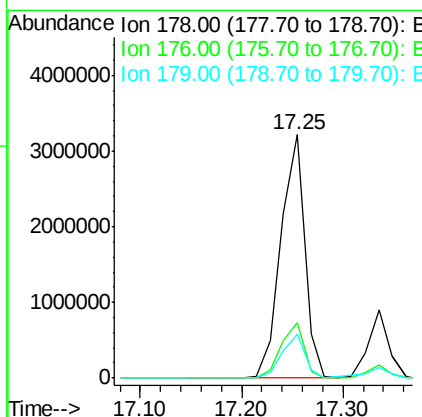
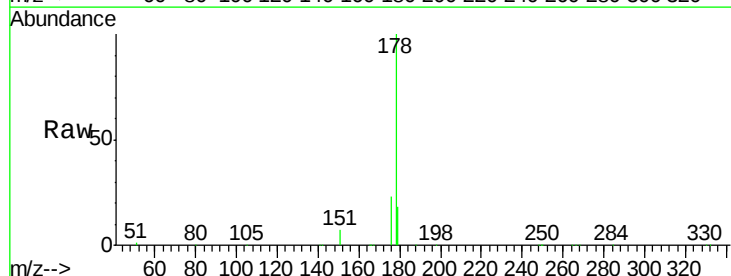
Instrument :
 BNA_E
 ClientSampleId :
 EXT-004-SW068-042319

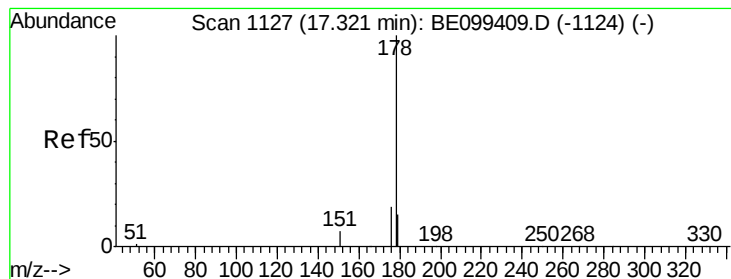
Tot Ion:266 Resp: 70
 Ion Ratio Lower Upper
 266 100
 264 80.3 50.8 76.2#
 268 90.8 50.5 75.7#



#23
 Phenanthrene
 Concen: 99.555 ng
 RT: 17.25 min Scan# 1122
 Delta R.T. 0.03 min
 Lab File: BE099543.D
 Acq: 3 May 2019 23:08

Tgt Ion:178 Resp: 5226185
 Ion Ratio Lower Upper
 178 100
 176 22.2 15.6 23.4
 179 17.6 12.0 18.0





#24

Anthracene

Concen: 24.477 ng

RT: 17.34 min Scan# 1128

Delta R.T. 0.01 min

Lab File: BE099543.D

Acq: 3 May 2019 23:08

Instrument :

BNA_E

ClientSampleId :

EXT-004-SW068-042319

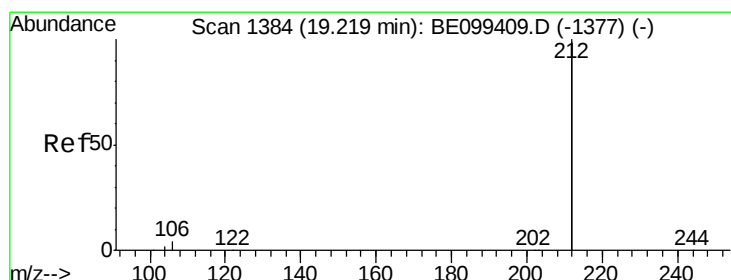
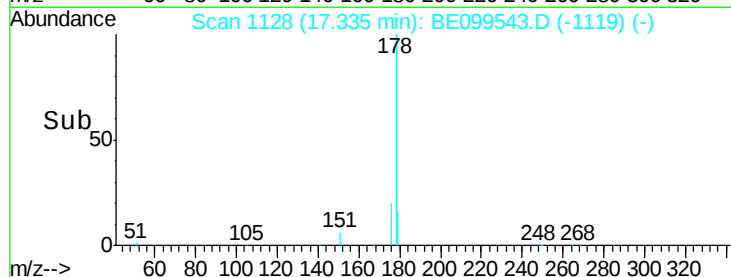
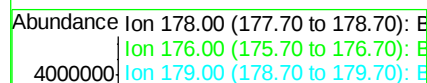
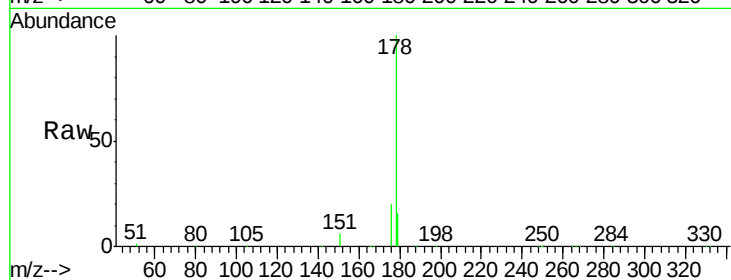
Tot Ion:178 Resp: 1224734

Ion Ratio Lower Upper

178 100

176 19.9 14.9 22.3

179 15.5 11.9 17.9



#25

Fluoranthene-d10

Concen: 0.266 ng

RT: 19.24 min Scan# 1387

Delta R.T. 0.02 min

Lab File: BE099543.D

Acq: 3 May 2019 23:08

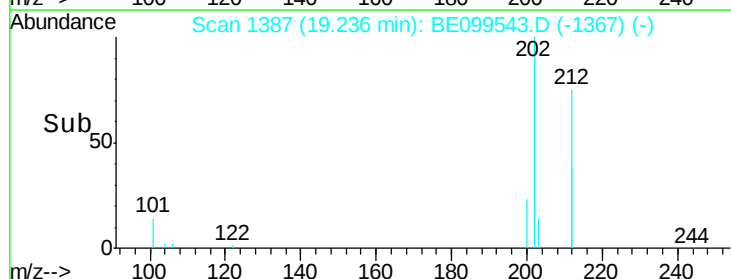
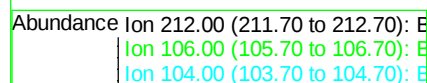
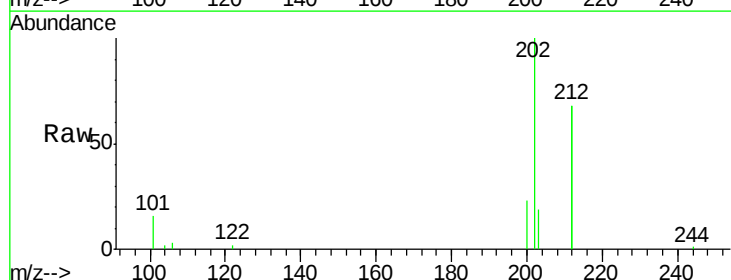
Tgt Ion:212 Resp: 72926

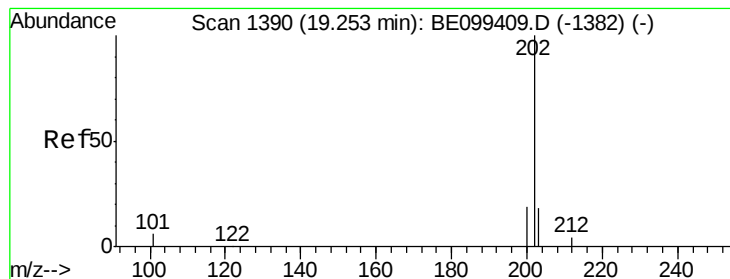
Ion Ratio Lower Upper

212 100

106 2.3 1.5 2.3

104 1.7 0.9 1.3#





#26

Fluoranthene

Concen: 136.290 ng

RT: 19.28 min Scan# 1395

Delta R.T. 0.03 min

Lab File: BE099543.D

Acq: 3 May 2019 23:08

Instrument :

BNA_E

ClientSampleId :

EXT-004-SW068-042319

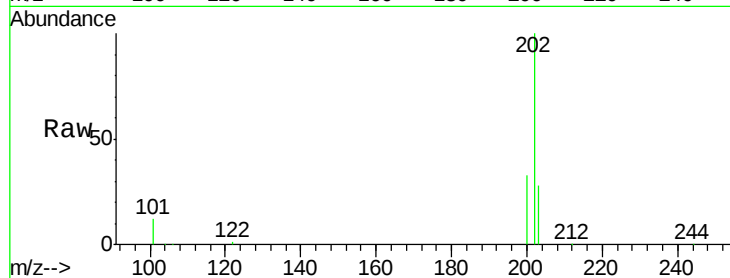
Tot Ion:202 Resp:10716801

Ion Ratio Lower Upper

202 100

101 8.9 5.4 8.0#

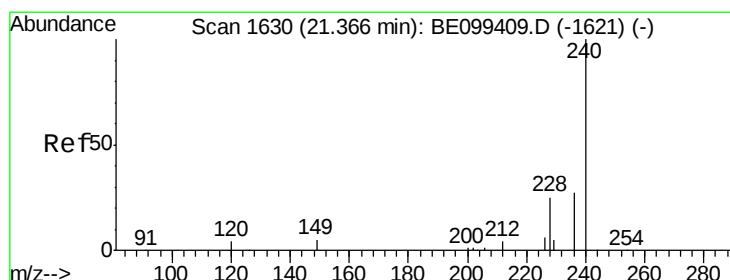
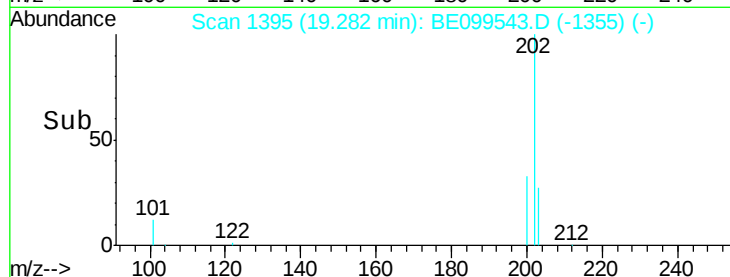
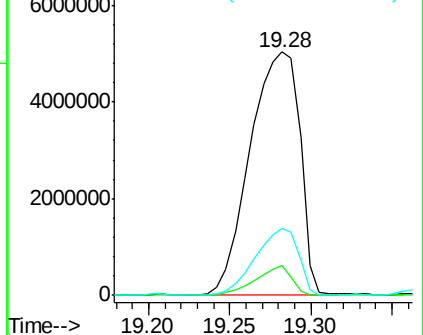
203 23.8 13.9 20.9#



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: 21.39 min Scan# 1632

Delta R.T. 0.02 min

Lab File: BE099543.D

Acq: 3 May 2019 23:08

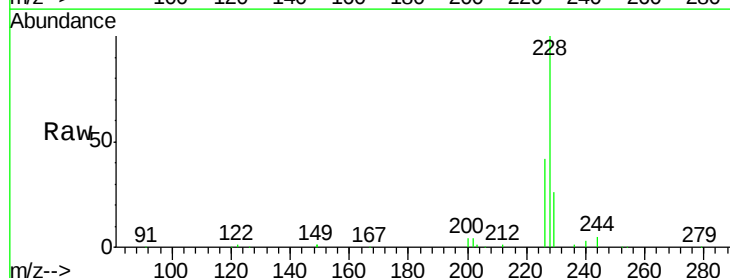
Tgt Ion:240 Resp: 33123

Ion Ratio Lower Upper

240 100

120 8.0 4.0 6.0#

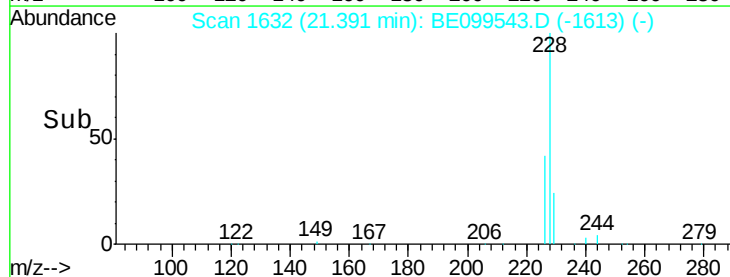
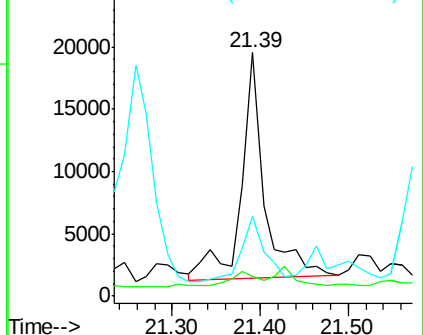
236 32.7 22.0 33.0

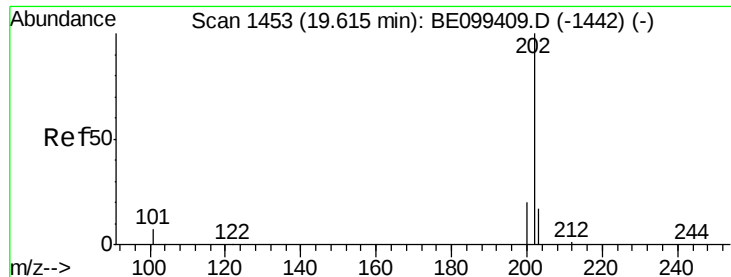


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#28

Pvrene

Concen: 113.105 ng

RT: 19.64 min Scan# 1458

Delta R.T. 0.03 min

Lab File: BE099543.D

Acq: 3 May 2019 23:08

Instrument :

BNA_E

ClientSampleId :

EXT-004-SW068-042319

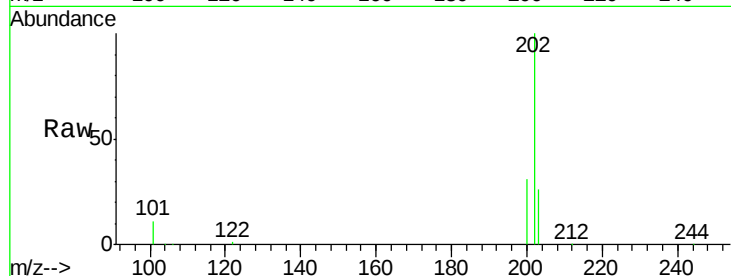
Tot Ion:202 Resp: 9765673

Ion Ratio Lower Upper

202 100

200 26.3 15.7 23.5#

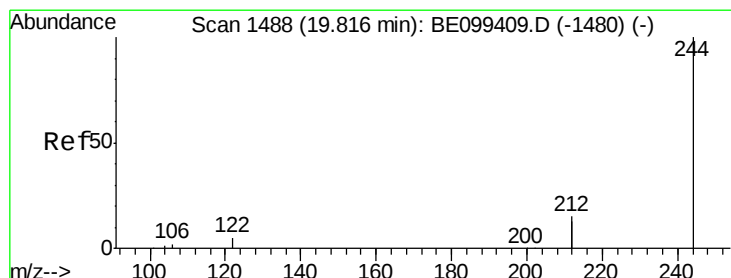
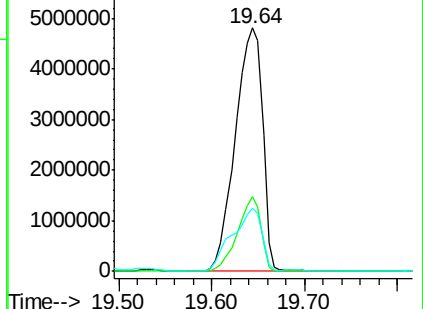
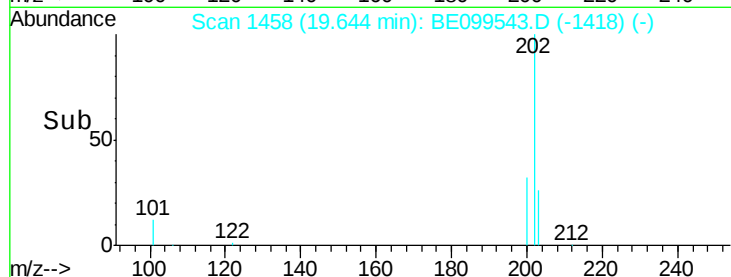
203 28.3 13.9 20.9#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#29

Terphenyl-d14

Concen: 0.378 ng

RT: 19.82 min Scan# 1489

Delta R.T. 0.01 min

Lab File: BE099543.D

Acq: 3 May 2019 23:08

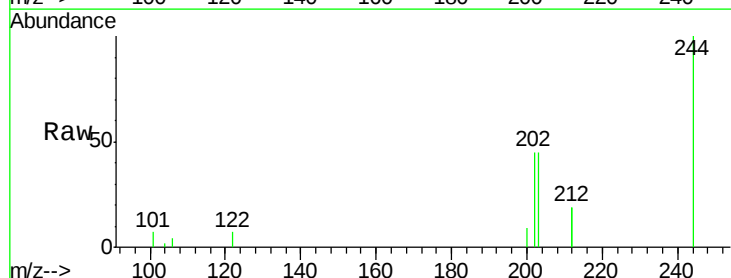
Tgt Ion:244 Resp: 22939

Ion Ratio Lower Upper

244 100

212 37.2 23.2 34.8#

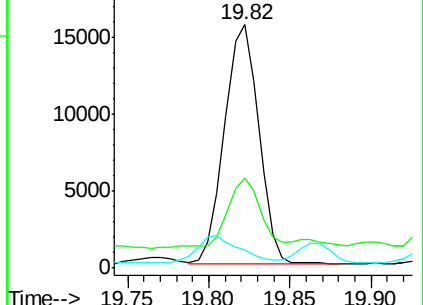
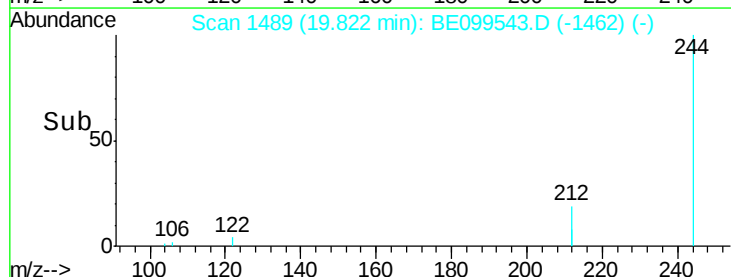
122 7.4 4.2 6.4#

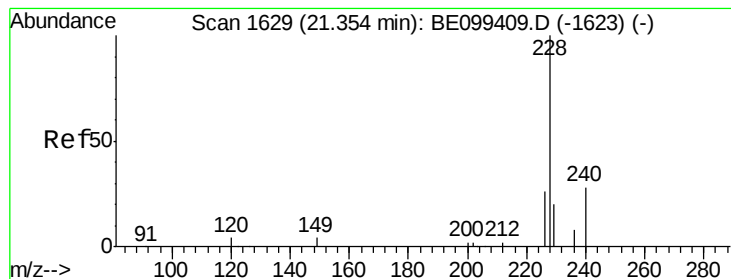


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 61.151 ng

RT: 21.37 min Scan# 1630

Delta R.T. 0.01 min

Lab File: BE099543.D

Acq: 3 May 2019 23:08

Instrument :

BNA_E

ClientSampleId :

EXT-004-SW068-042319

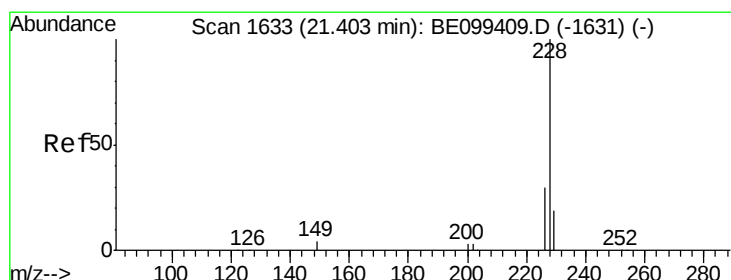
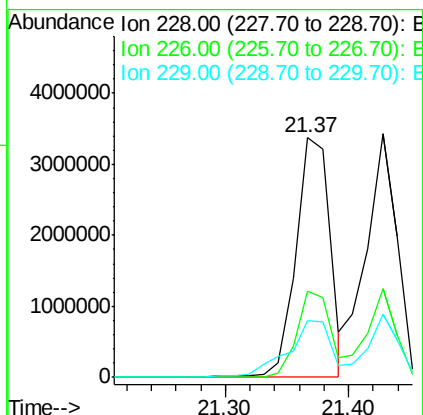
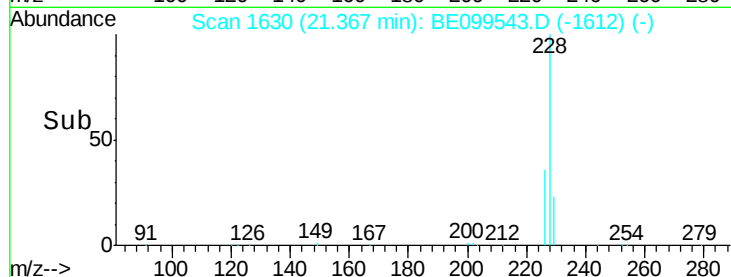
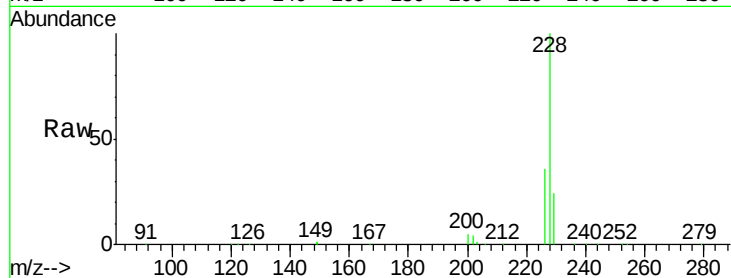
Tot Ion:228 Resp: 6453518

Ion Ratio Lower Upper

228 100

226 36.0 21.0 31.6#

229 23.7 16.6 25.0



#31

Chrysene

Concen: 51.770 ng

RT: 21.43 min Scan# 1635

Delta R.T. 0.02 min

Lab File: BE099543.D

Acq: 3 May 2019 23:08

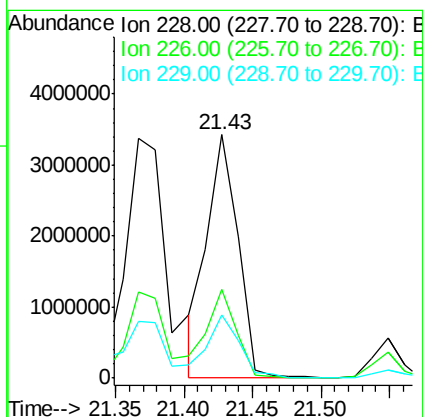
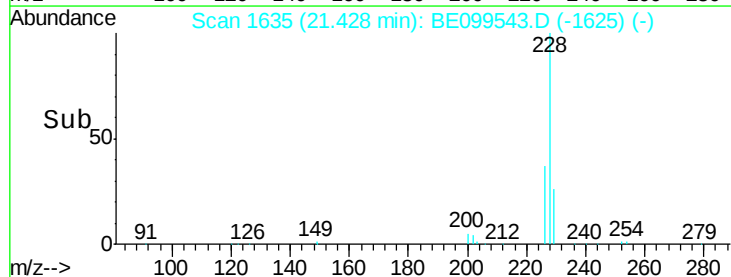
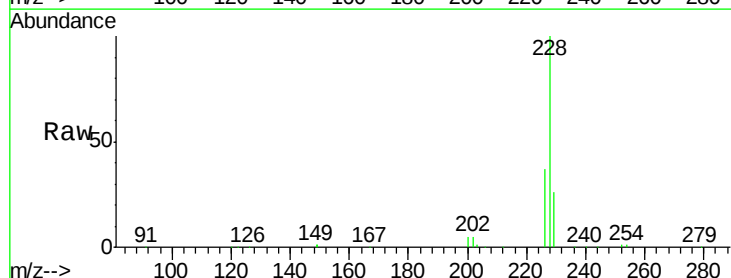
Tgt Ion:228 Resp: 5346448

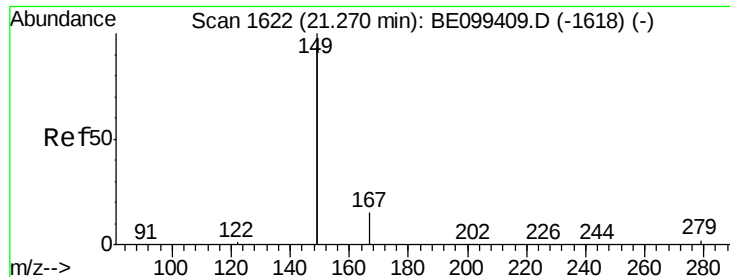
Ion Ratio Lower Upper

228 100

226 36.6 24.0 36.0#

229 26.1 15.8 23.8#





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.042 ng

RT: 21.27 min Scan# 1622

Delta R.T. 0.00 min

Lab File: BE099543.D

Acq: 3 May 2019 23:08

Instrument :

BNA_E

ClientSampleId :

EXT-004-SW068-042319

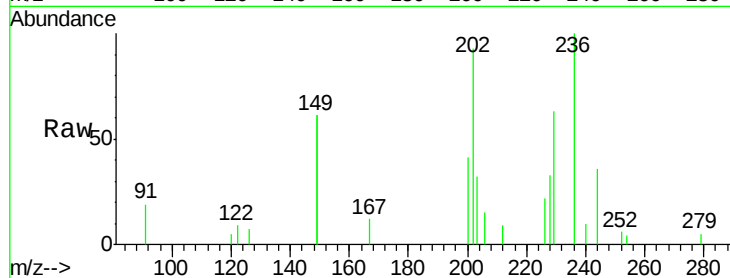
Tot Ion:149 Resp: 16996

Ion Ratio Lower Upper

149 100

167 6.8 5.8 8.6

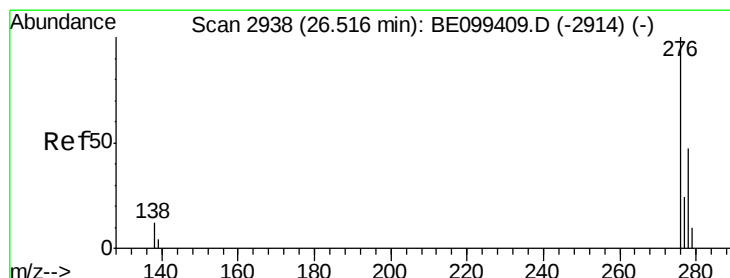
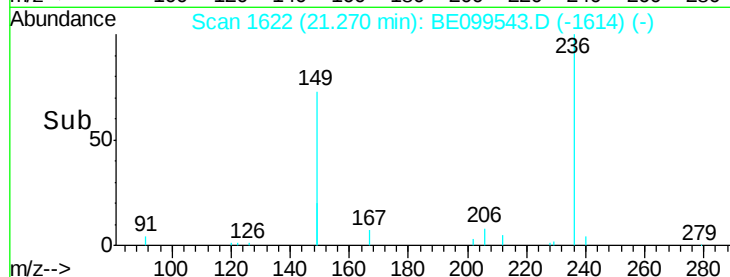
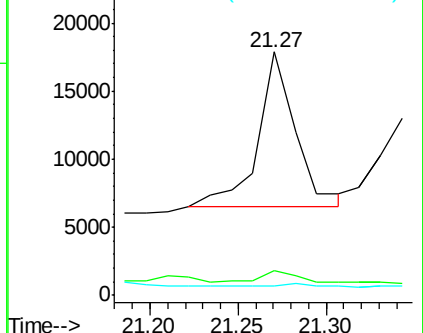
279 2.7 1.0 1.6#



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: 25.791 ng

RT: 26.59 min Scan# 2960

Delta R.T. 0.08 min

Lab File: BE099543.D

Acq: 3 May 2019 23:08

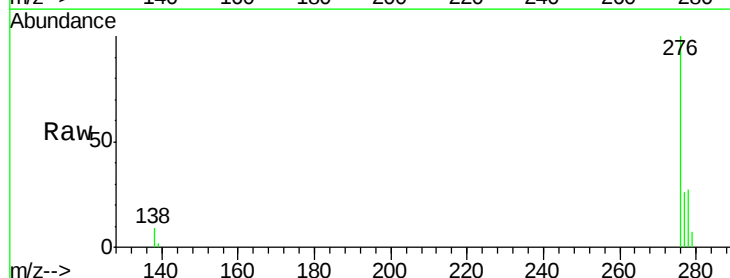
Tgt Ion:276 Resp: 3148008

Ion Ratio Lower Upper

276 100

138 8.6 10.2 15.2#

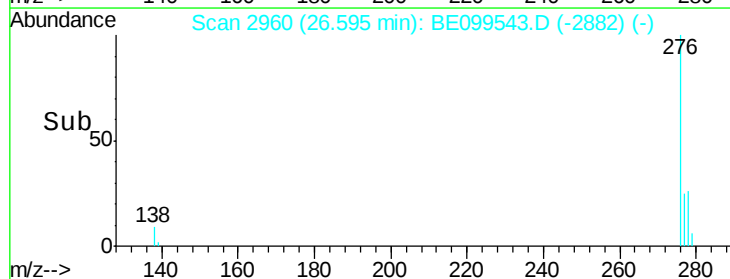
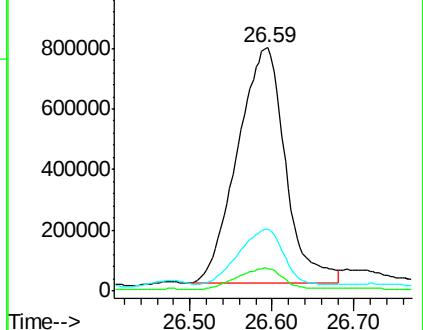
277 22.4 19.2 28.8

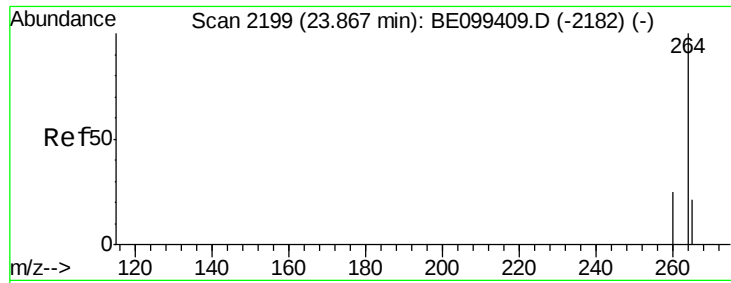


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

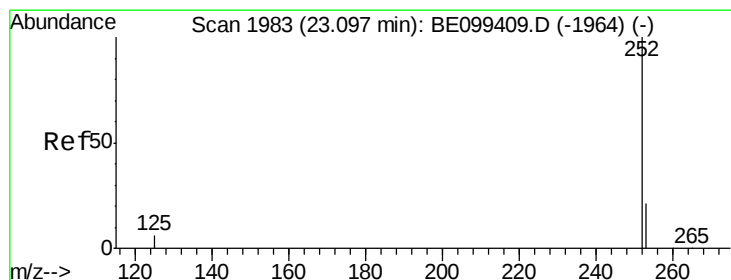
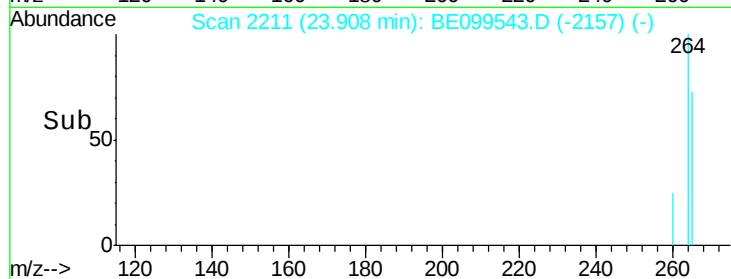
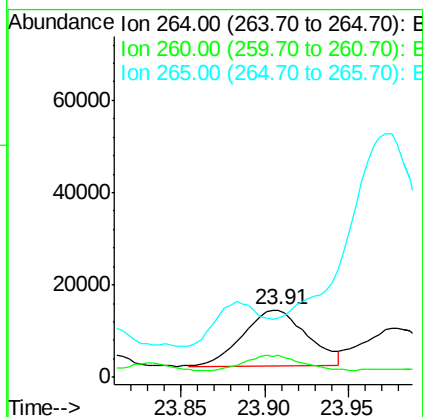
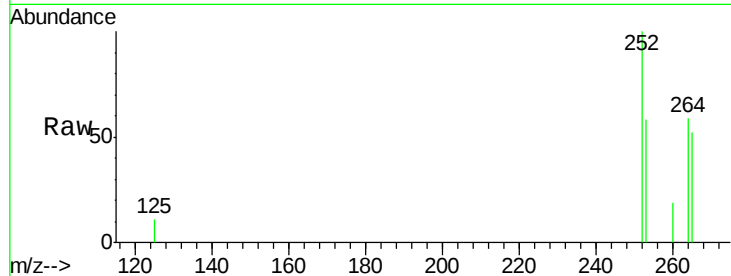




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.91 min Scan# 2211
Delta R.T. 0.04 min
Lab File: BE099543.D
Acq: 3 May 2019 23:08

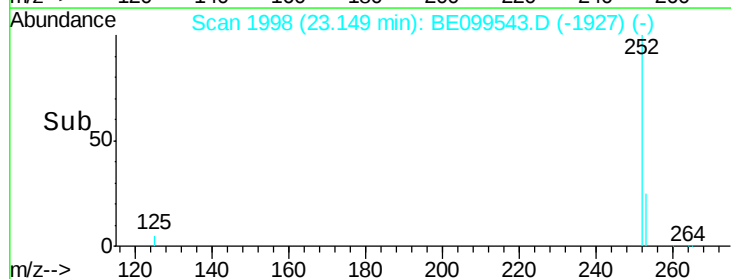
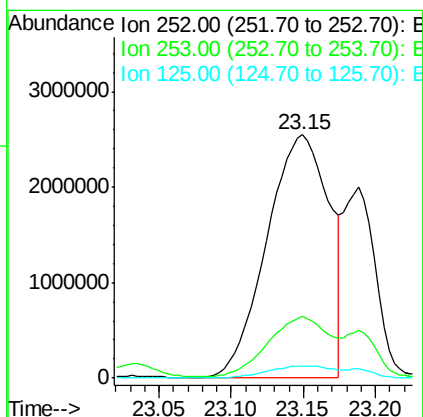
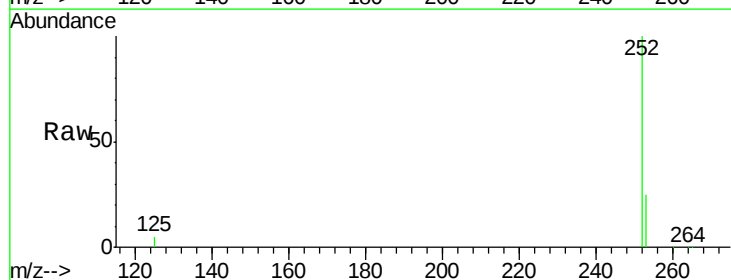
Instrument :
BNA_E
ClientSampleId :
EXT-004-SW068-042319

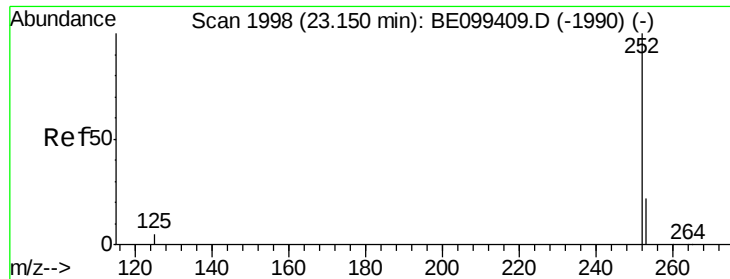
Tot Ion:264 Resp: 32789
Ion Ratio Lower Upper
264 100
260 32.1 20.2 30.2#
265 88.4 21.3 31.9#



#35
Benzo(b)fluoranthene
Concen: 80.628 ng
RT: 23.15 min Scan# 1998
Delta R.T. 0.05 min
Lab File: BE099543.D
Acq: 3 May 2019 23:08

Tgt Ion:252 Resp: 7623177
Ion Ratio Lower Upper
252 100
253 25.2 18.1 27.1
125 5.2 5.6 8.4#

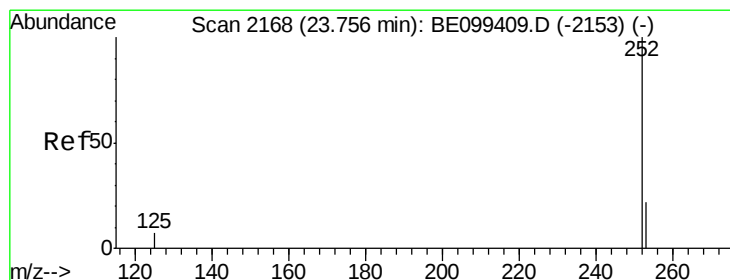
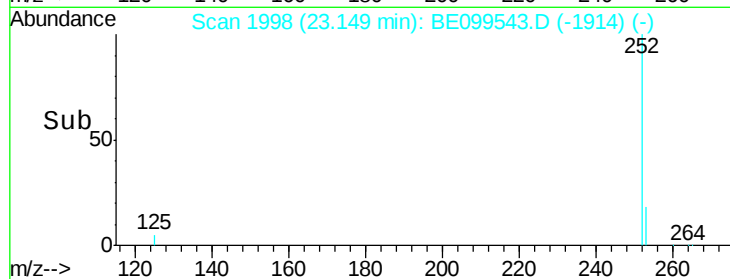
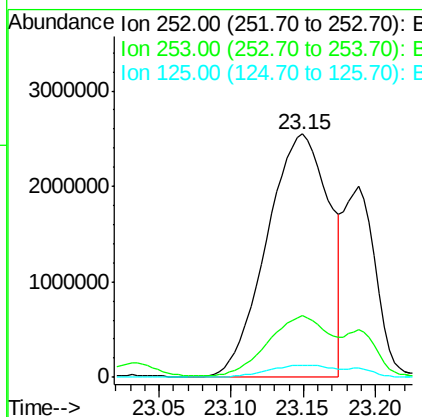
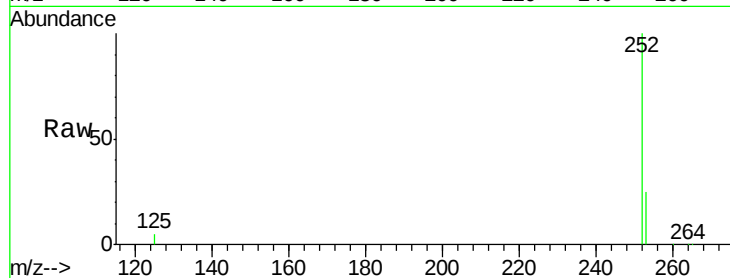




#36
Benzo(k)fluoranthene
Concen: 83.615 ng
RT: 23.15 min Scan# 1998
Delta R.T. -0.00 min
Lab File: BE099543.D
Acq: 3 May 2019 23:08

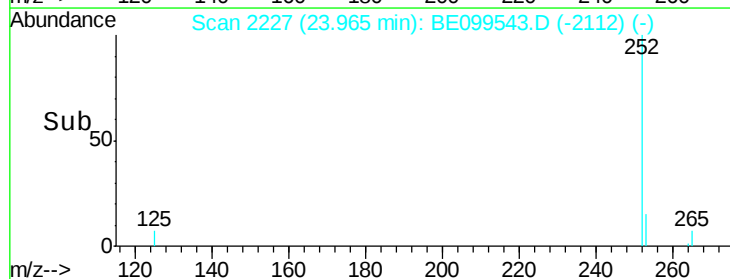
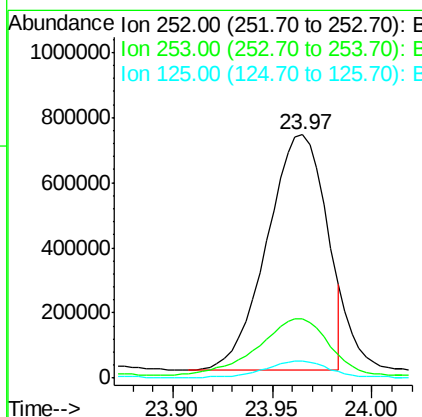
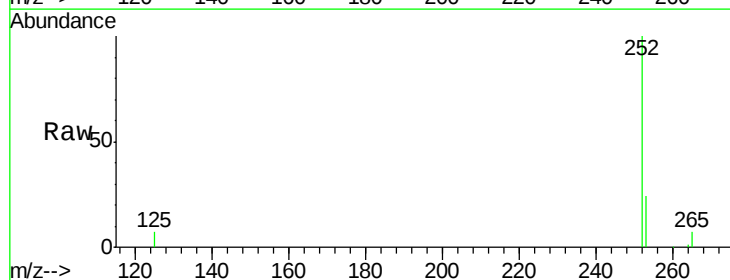
Instrument :
BNA_E
ClientSampleId :
EXT-004-SW068-042319

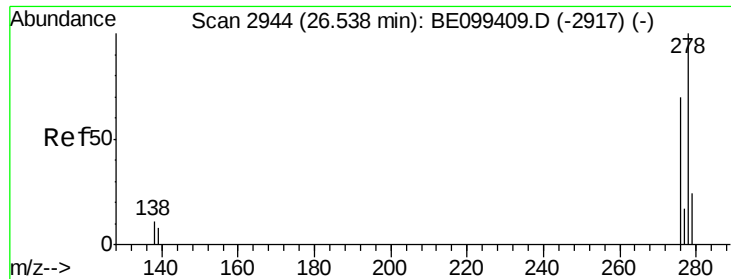
Tot Ion:252 Resp: 7623177
Ion Ratio Lower Upper
252 100
253 25.2 18.4 27.6
125 5.2 5.0 7.4



#37
Benzo(a)pyrene
Concen: 16.578 ng
RT: 23.97 min Scan# 2227
Delta R.T. 0.21 min
Lab File: BE099543.D
Acq: 3 May 2019 23:08

Tgt Ion:252 Resp: 1481809
Ion Ratio Lower Upper
252 100
253 24.3 18.9 28.3
125 6.8 6.7 10.1





#38

Dibenzo(a,h)anthracene

Concen: 2.318 ng

RT: 26.72 min Scan# 2994

Delta R.T. 0.18 min

Lab File: BE099543.D

Acq: 3 May 2019 23:08

Instrument :

BNA_E

ClientSampleId :

EXT-004-SW068-042319

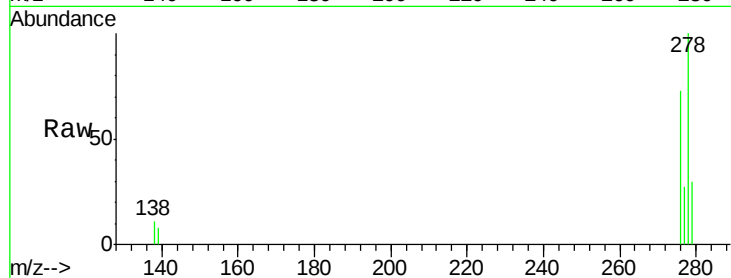
Tot Ion:278 Resp: 211929

Ion Ratio Lower Upper

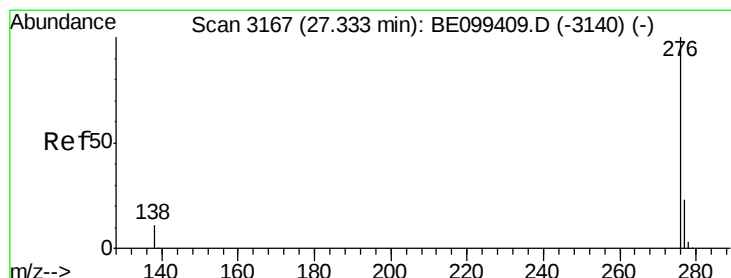
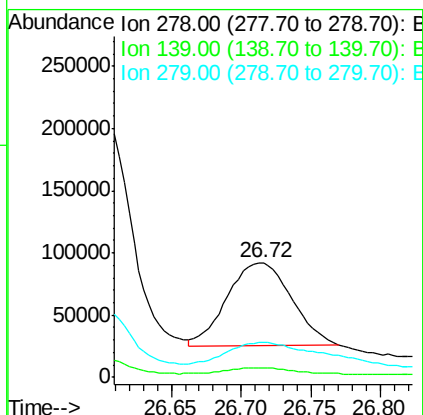
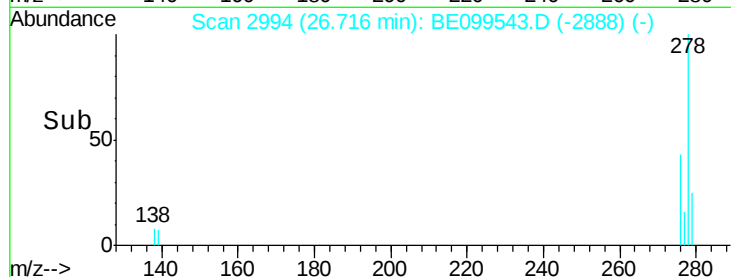
278 100

139 8.2 7.7 11.5

279 30.2 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(g,h,i)perylene

Concen: 29.600 ng

RT: 27.42 min Scan# 3191

Delta R.T. 0.09 min

Lab File: BE099543.D

Acq: 3 May 2019 23:08

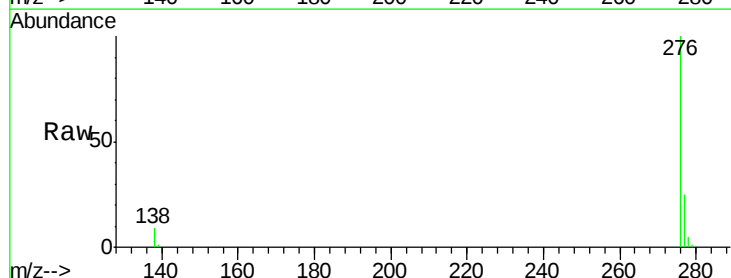
Tgt Ion:276 Resp: 2711550

Ion Ratio Lower Upper

276 100

277 25.0 19.5 29.3

138 9.5 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

