

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE043019\
 Data File : BE099447.D
 Acq On : 1 May 2019 4:14
 Operator : JU/SJ
 Sample : K2568-08MSD
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-026-SW045-042219MSD

Quant Time: May 01 06:56:17 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	2345	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	8674	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	6324	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	20522	0.40	ng	0.00
27) Chrysene-d12	21.37	240	28346	0.40	ng	0.00
34) Perylene-d12	23.86	264	33182	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	2450	0.38	ng	0.00
5) Phenol-d6	6.97	99	3589	0.42	ng	0.00
8) Nitrobenzene-d5	8.96	82	2860	0.35	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	6949	0.44	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1766	0.44	ng	0.00
15) 2-Fluorobiphenyl	13.07	172	8183	0.34	ng	-0.01
25) Fluoranthene-d10	19.22	212	104706	0.38	ng	0.00
29) Terphenyl-d14	19.82	244	22601	0.44	ng	0.00

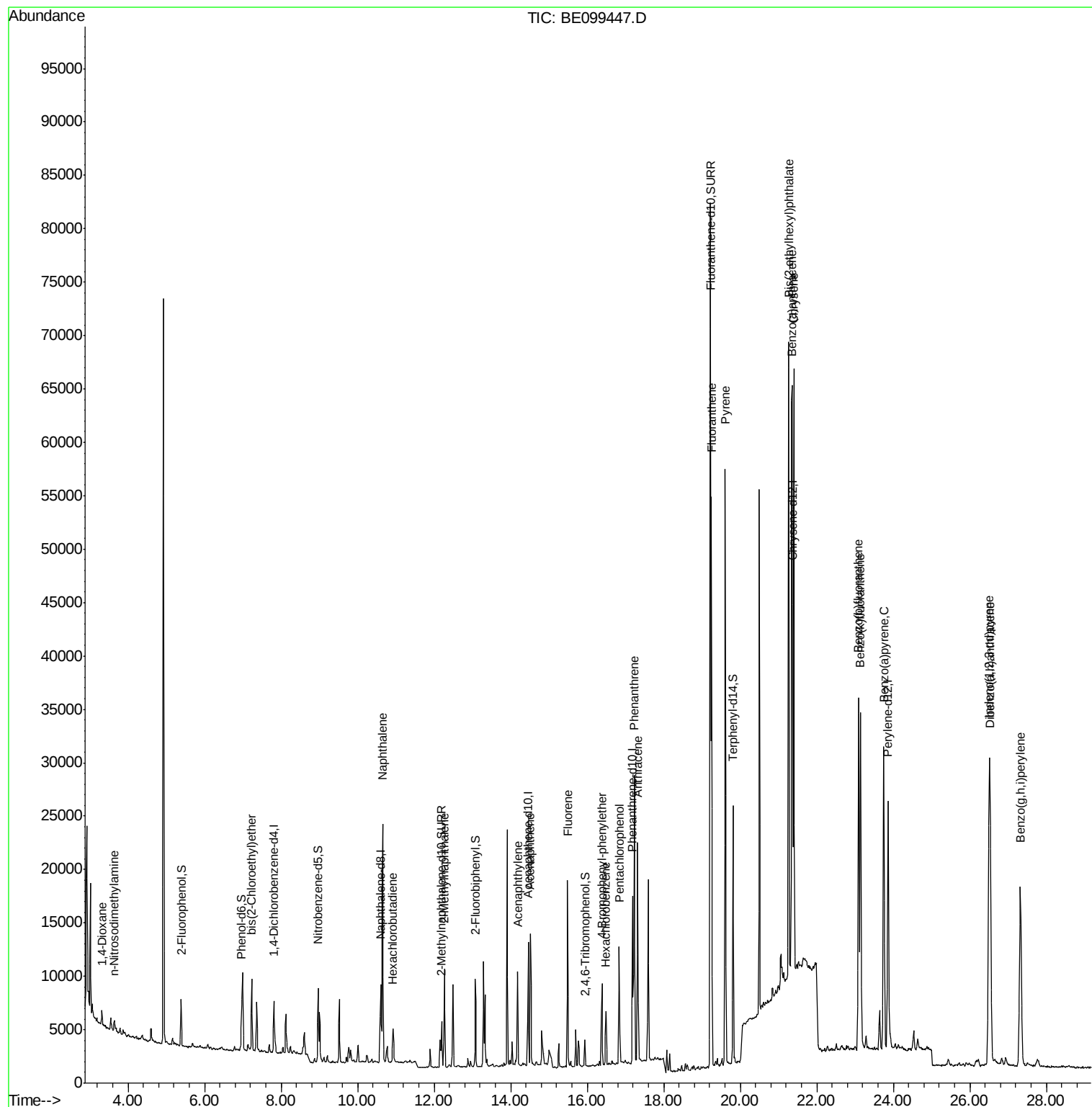
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.32	88	862	0.267	ng	# 53
3) n-Nitrosodimethylamine	3.64	42	596	0.307	ng	# 81
6) bis(2-Chloroethyl)ether	7.23	93	2574	0.346	ng	98
9) Naphthalene	10.65	128	35104	0.371	ng	100
10) Hexachlorobutadiene	10.93	225	2100	0.319	ng	99
12) 2-Methylnaphthalene	12.27	142	6223	0.379	ng	98
16) Acenaphthylene	14.18	152	12126	0.392	ng	98
17) Acenaphthene	14.51	154	6504	0.368	ng	97
18) Fluorene	15.49	166	10000	0.384	ng	100
20) 4-Bromophenyl-phenylether	16.39	248	4059	0.340	ng	# 90
21) Hexachlorobenzene	16.49	284	4123	0.362	ng	99
22) Pentachlorophenol	16.84	266	5820	1.065	ng	98
23) Phenanthrene	17.23	178	26537	0.501	ng	99
24) Anthracene	17.32	178	21167	0.419	ng	99
26) Fluoranthene	19.25	202	48181	0.607	ng	99
28) Pyrene	19.61	202	50587	0.685	ng	98
30) Benzo(a)anthracene	21.34	228	51553	0.571	ng	96
31) Chrysene	21.40	228	47356	0.536	ng	98
32) Bis(2-ethylhexyl)phthalate	21.27	149	83243	0.582	ng	100
33) Indeno(1,2,3-cd)pyrene	26.50	276	50516	0.484	ng	99
35) Benzo(b)fluoranthene	23.09	252	48323	0.505	ng	# 95
36) Benzo(k)fluoranthene	23.14	252	43124	0.467	ng	# 92
37) Benzo(a)pyrene	23.75	252	44546	0.492	ng	# 98
38) Dibenzo(a,h)anthracene	26.53	278	38316	0.414	ng	98
39) Benzo(g,h,i)perylene	27.32	276	43531	0.470	ng	98

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

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QLast Update : Mon Apr 29 18:36:43 2019
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.81 min Scan# 429

Delta R.T. -0.01 min

Lab File: BE099447.D

Acq: 1 May 2019 4:14

Instrument :

BNA_E

ClientSampleId :

EXT-026-SW045-042219MSD

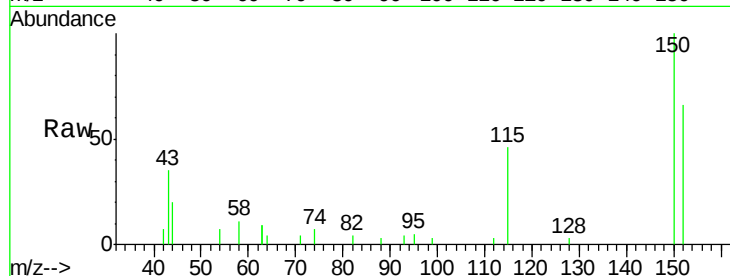
Tot Ion:152 Resp: 2345

Ion Ratio Lower Upper

152 100

150 152.6 104.8 157.2

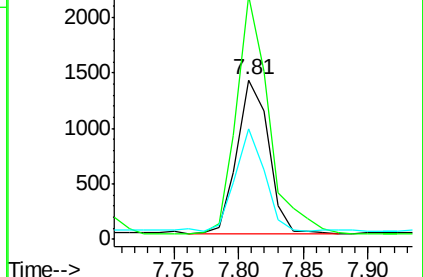
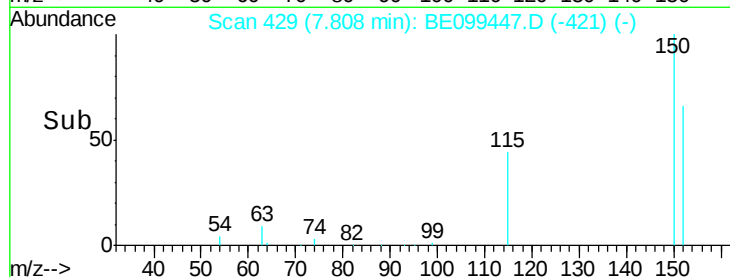
115 69.5 46.6 69.8



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: 0.267 ng

RT: 3.32 min Scan# 39

Delta R.T. 0.00 min

Lab File: BE099447.D

Acq: 1 May 2019 4:14

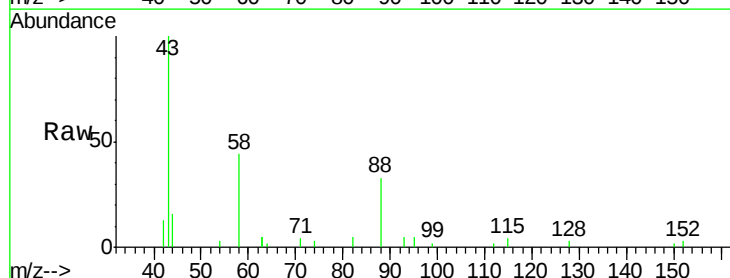
Tgt Ion: 88 Resp: 862

Ion Ratio Lower Upper

88 100

58 68.1 51.0 76.6

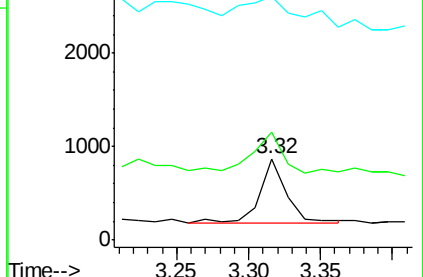
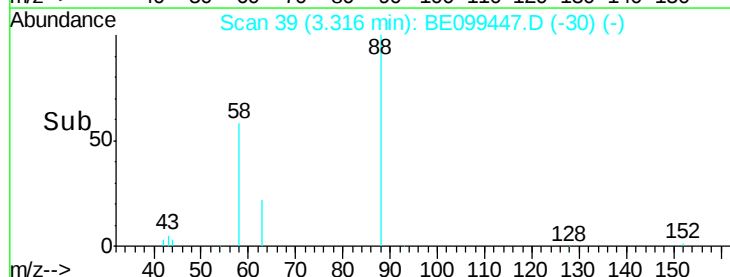
43 101.7 20.6 30.8#



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: 0.307 ng

RT: 3.64 min Scan# 67

Delta R.T. -0.01 min

Lab File: BE099447.D

Acq: 1 May 2019 4:14

Instrument :

BNA_E

ClientSampleId :

EXT-026-SW045-042219MSD

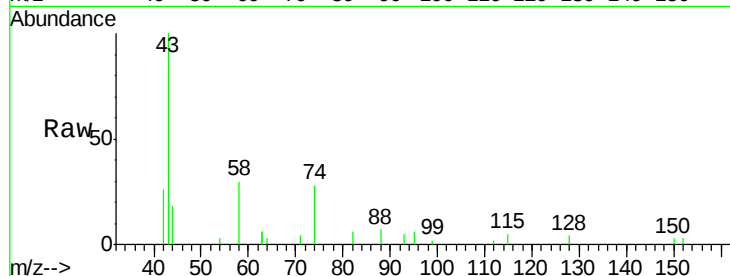
Tot Ion: 42 Resp: 596

Ion Ratio Lower Upper

42 100

74 203.0 141.6 212.4

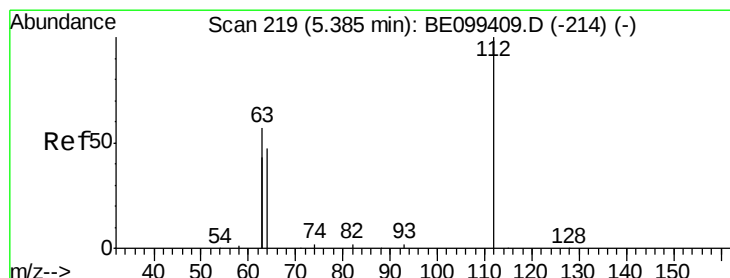
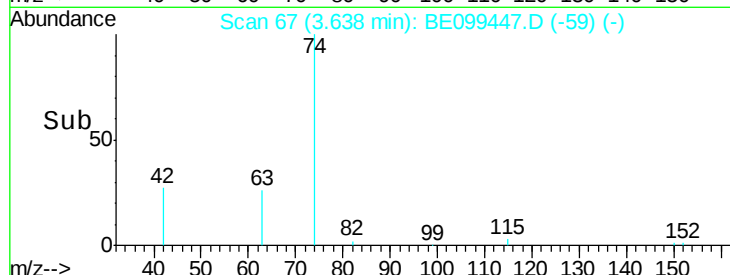
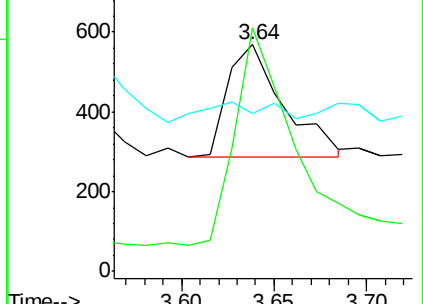
44 22.7 0.0 0.0#



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: 0.378 ng

RT: 5.39 min Scan# 219

Delta R.T. 0.00 min

Lab File: BE099447.D

Acq: 1 May 2019 4:14

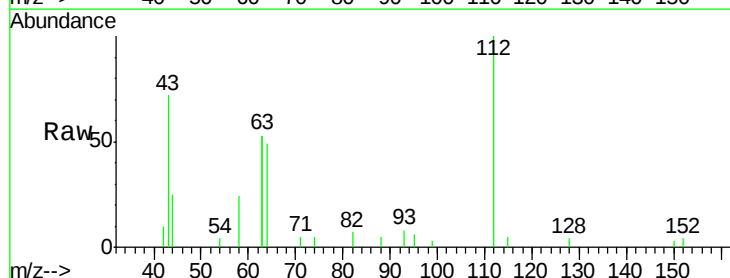
Tgt Ion: 112 Resp: 2450

Ion Ratio Lower Upper

112 100

64 57.3 47.4 71.0

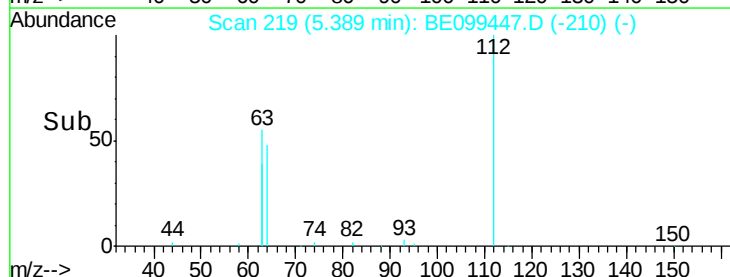
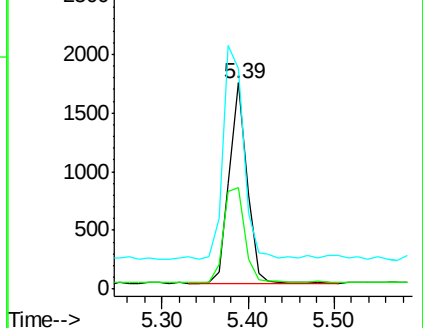
63 124.4 104.3 156.5



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: 0.416 ng

RT: 6.97 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099447.D

Acq: 1 May 2019 4:14

Instrument :

BNA_E

ClientSampleId :

EXT-026-SW045-042219MSD

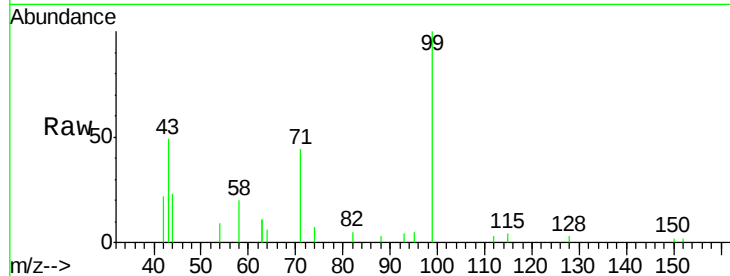
Tot Ion: 99 Resp: 3589

Ion Ratio Lower Upper

99 100

42 20.6 14.9 22.3

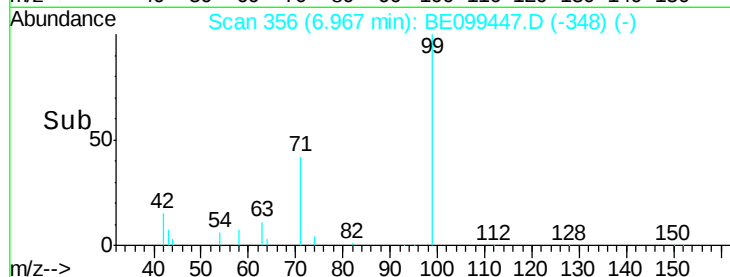
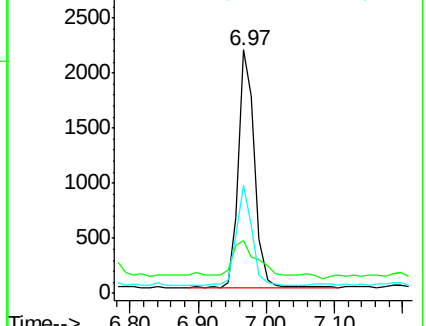
71 40.2 33.0 49.6



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



#6

bis(2-Chloroethyl)ether

Concen: 0.346 ng

RT: 7.23 min Scan# 379

Delta R.T. -0.01 min

Lab File: BE099447.D

Acq: 1 May 2019 4:14

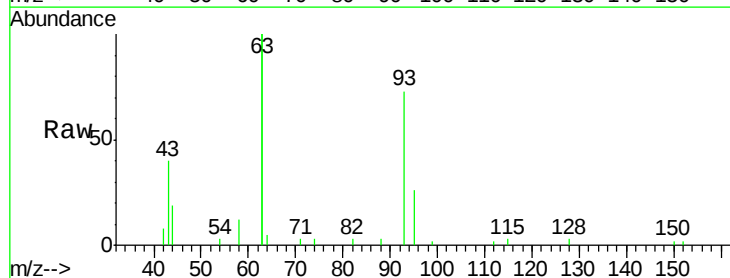
Tgt Ion: 93 Resp: 2574

Ion Ratio Lower Upper

93 100

63 266.1 215.6 323.4

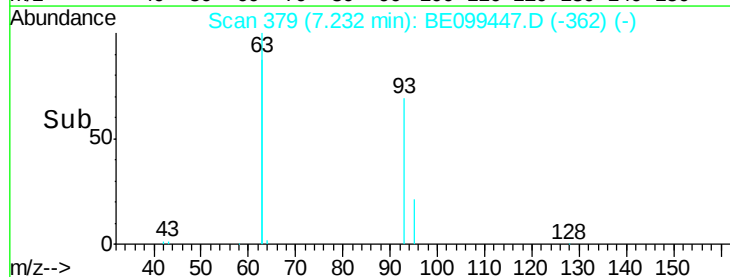
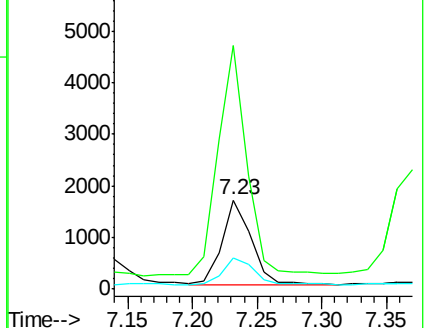
95 34.5 26.2 39.2



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: BE099447.D

Acq: 1 May 2019 4:14

Instrument :

BNA_E

ClientSampleId :

EXT-026-SW045-042219MSD

Tot Ion:136 Resp: 8674

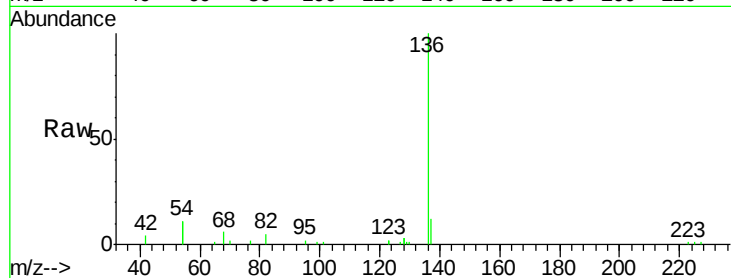
Ion Ratio Lower Upper

136 100

137 12.0 9.8 14.8

54 22.5 18.5 27.7

68 6.4 4.7 7.1

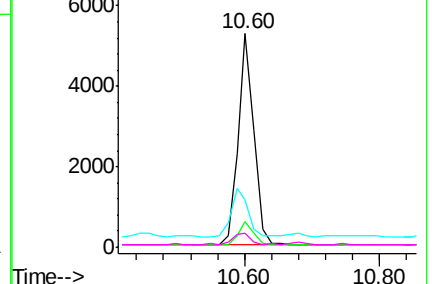
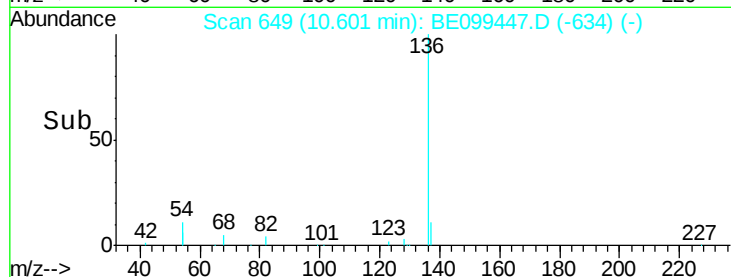


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.352 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099447.D

Acq: 1 May 2019 4:14

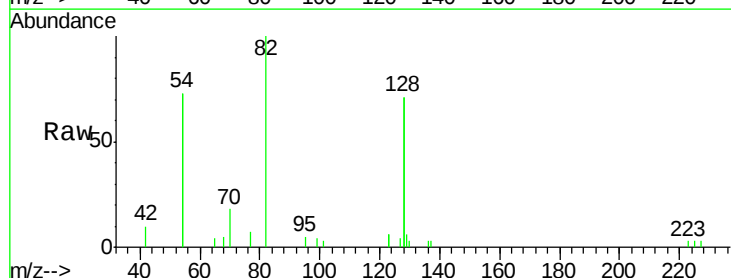
Tgt Ion: 82 Resp: 2860

Ion Ratio Lower Upper

82 100

128 141.7 107.0 160.4

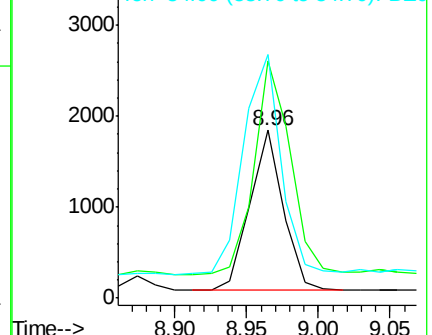
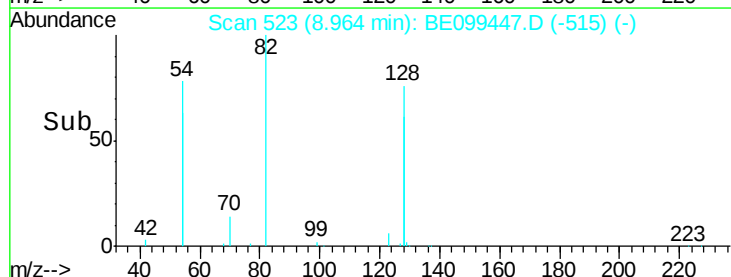
54 145.4 113.1 169.7

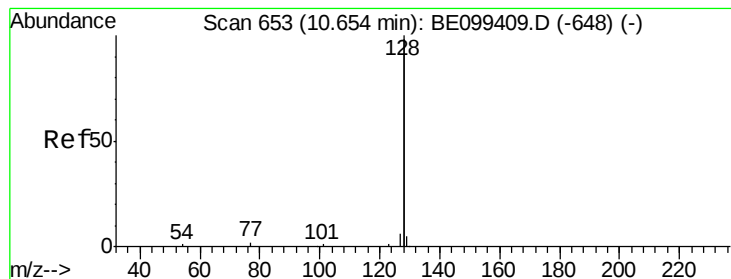


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.371 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BE099447.D

Acq: 1 May 2019 4:14

Instrument :

BNA_E

ClientSampleId :

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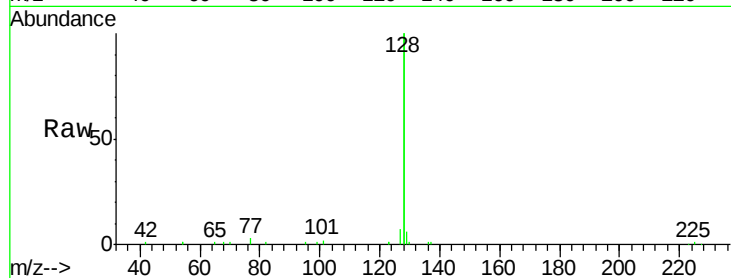
Tot Ion:128 Resp: 35104

Ion Ratio Lower Upper

128 100

129 2.9 2.4 3.6

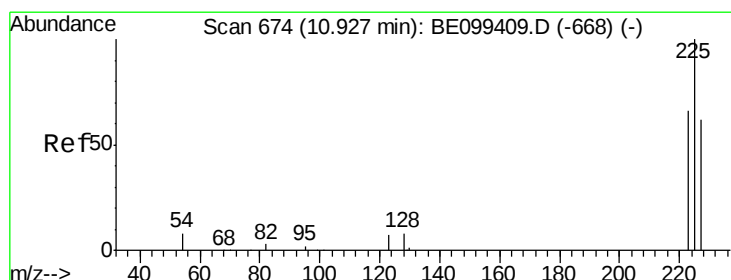
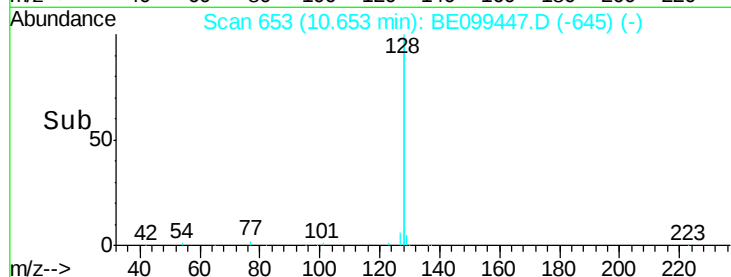
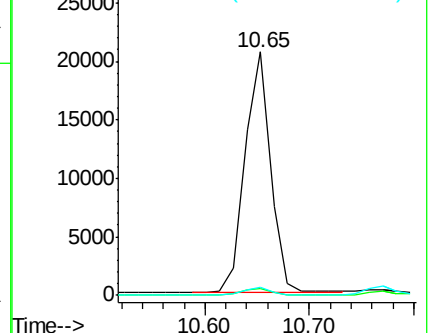
127 3.4 2.8 4.2



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



#10

Hexachlorobutadiene

Concen: 0.319 ng

RT: 10.93 min Scan# 674

Delta R.T. -0.00 min

Lab File: BE099447.D

Acq: 1 May 2019 4:14

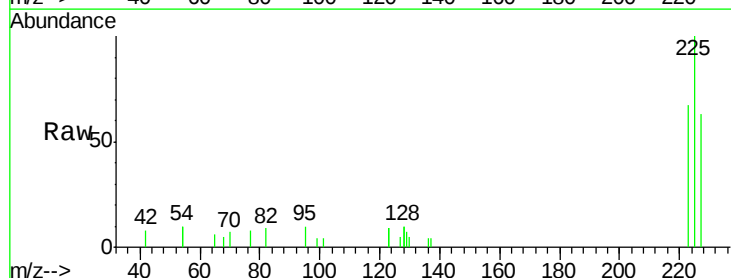
Tgt Ion:225 Resp: 2100

Ion Ratio Lower Upper

225 100

223 65.1 51.0 76.6

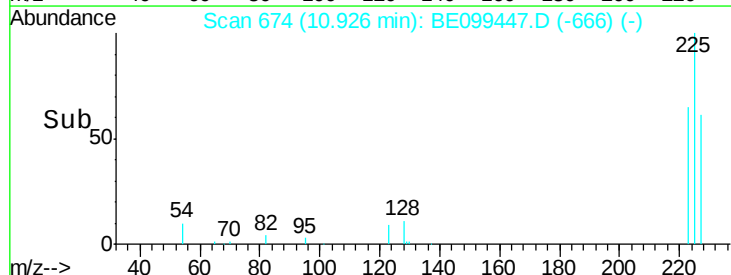
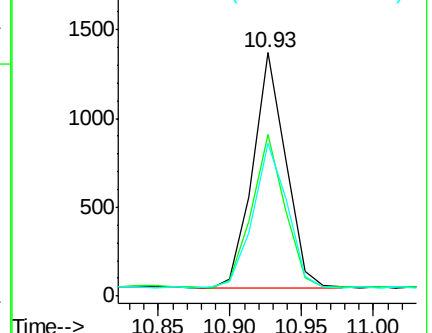
227 64.1 50.9 76.3

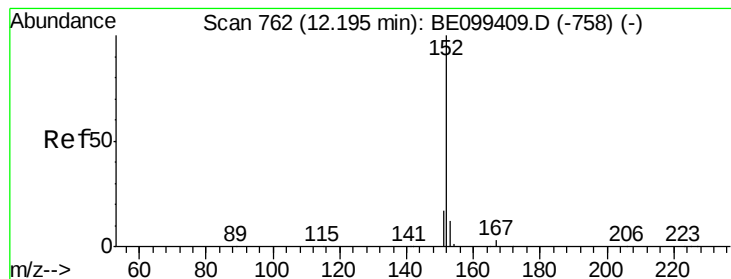


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

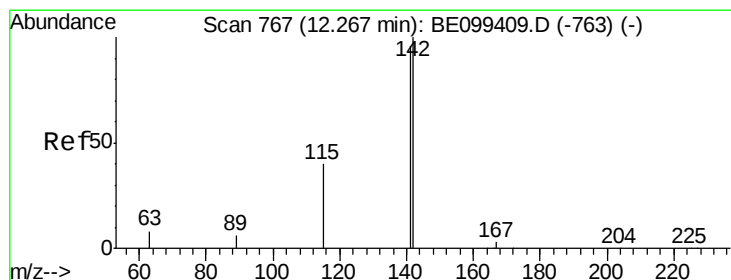
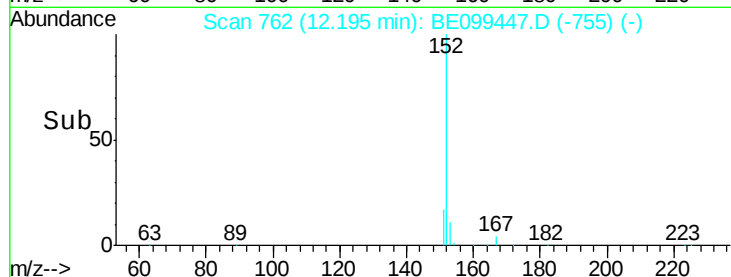
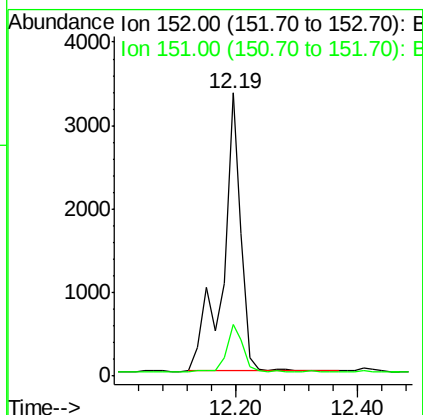
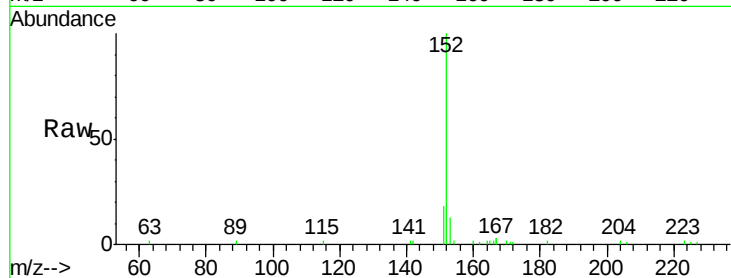




#11
 2-Methylnaphthalene-d10
 Concen: 0.445 ng
 RT: 12.19 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: BE099447.D
 Acq: 1 May 2019 4:14

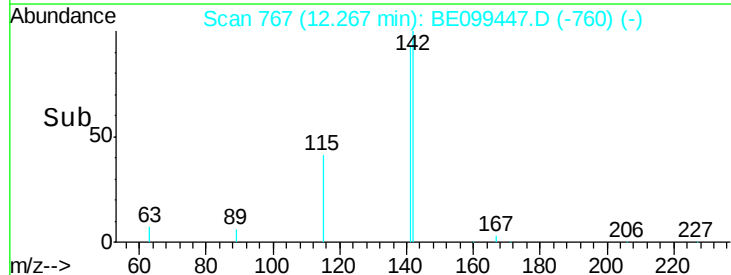
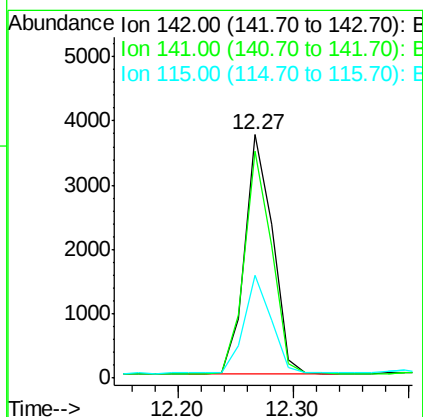
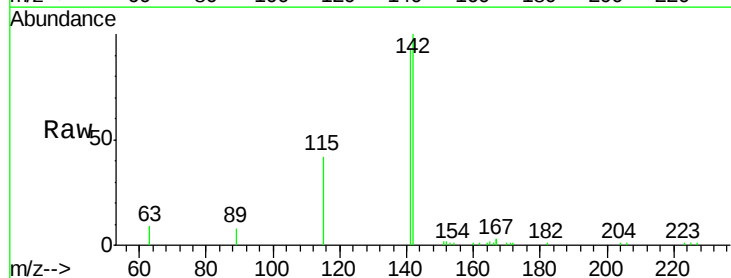
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 BNA_E
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 EXT-026-SW045-042219MSD

Tot Ion:152 Resp: 6949
 Ion Ratio Lower Upper
 152 100
 151 15.5 15.5 23.3#



#12
 2-Methylnaphthalene
 Concen: 0.379 ng
 RT: 12.27 min Scan# 767
 Delta R.T. -0.00 min
 Lab File: BE099447.D
 Acq: 1 May 2019 4:14

Tgt Ion:142 Resp: 6223
 Ion Ratio Lower Upper
 142 100
 141 93.4 77.0 115.4
 115 42.0 33.4 50.0

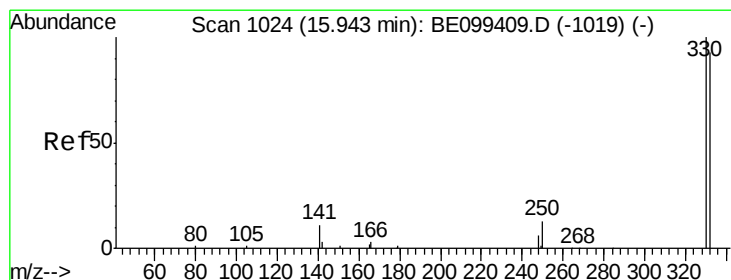
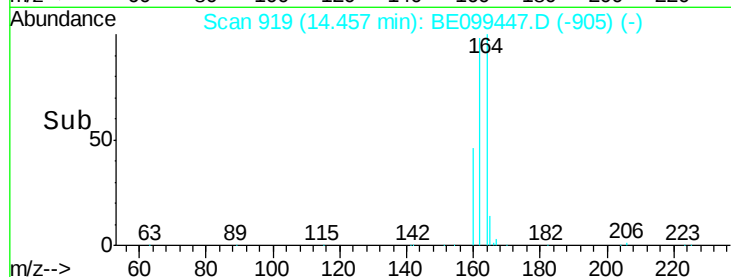
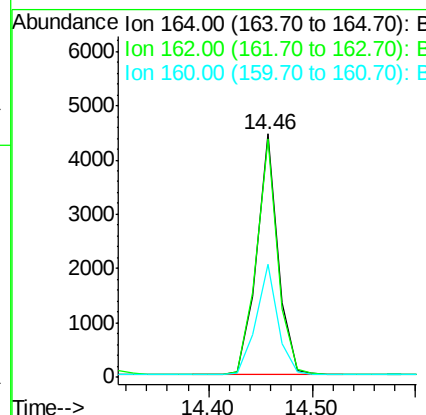
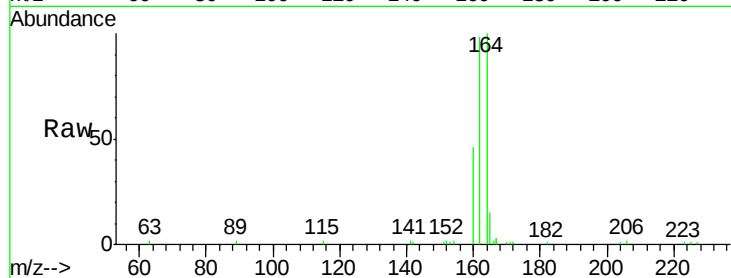




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.00 min
Lab File: BE099447.D
Acq: 1 May 2019 4:14

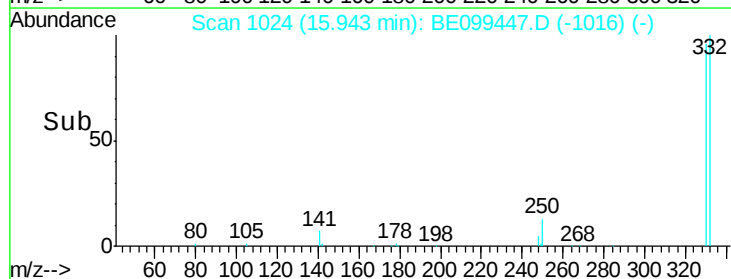
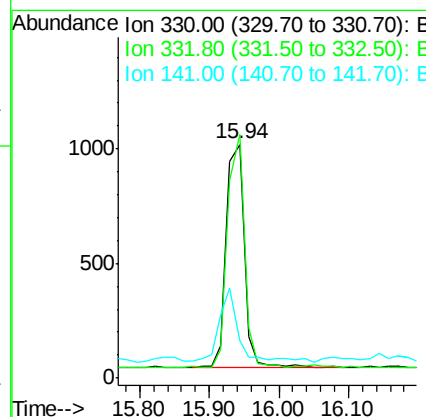
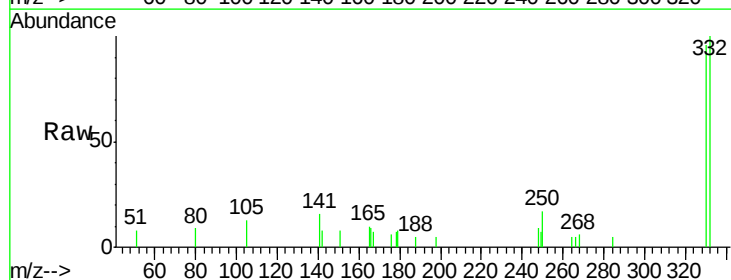
Instrument :
BNA_E
ClientSampleId :
EXT-026-SW045-042219MSD

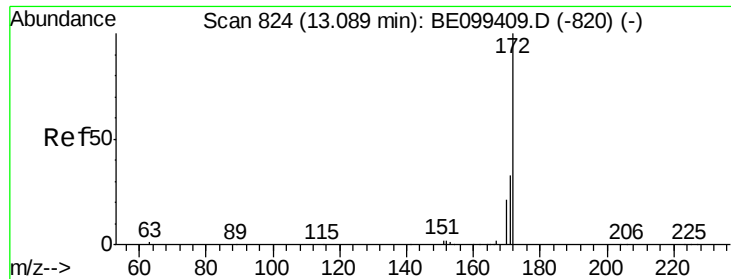
Tot Ion:164 Resp: 6324
Ion Ratio Lower Upper
164 100
162 97.9 79.0 118.4
160 46.2 37.0 55.4



#14
2,4,6-Tribromophenol
Concen: 0.443 ng
RT: 15.94 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BE099447.D
Acq: 1 May 2019 4:14

Tgt Ion:330 Resp: 1766
Ion Ratio Lower Upper
330 100
332 96.9 71.5 107.3
141 34.9 24.0 36.0

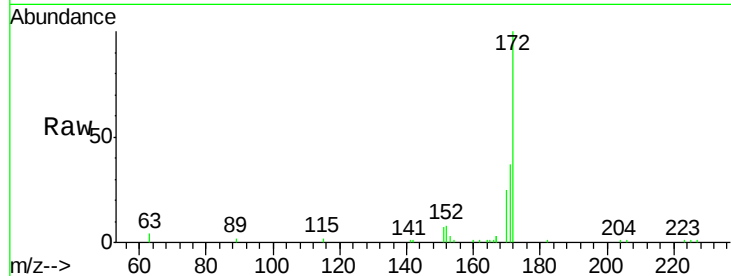




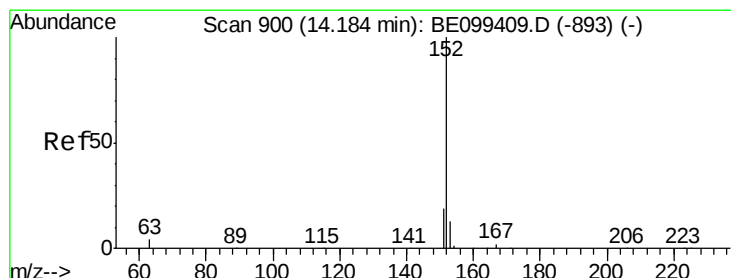
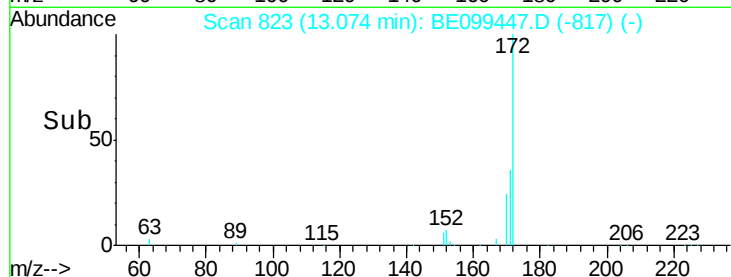
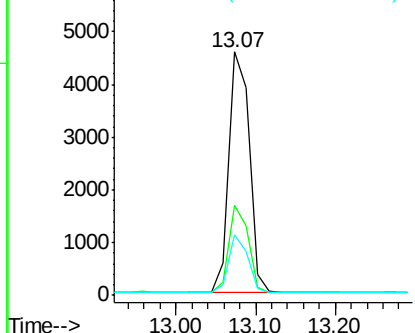
#15
2-Fluorobiphenyl
Concen: 0.339 ng
RT: 13.07 min Scan# 823
Delta R.T. -0.01 min
Lab File: BE099447.D
Acq: 1 May 2019 4:14

Instrument :
BNA_E
ClientSampleId :
EXT-026-SW045-042219MSD

Tot Ion:172 Resp: 8183
Ion Ratio Lower Upper
172 100
171 36.8 26.6 39.8
170 25.0 17.0 25.6

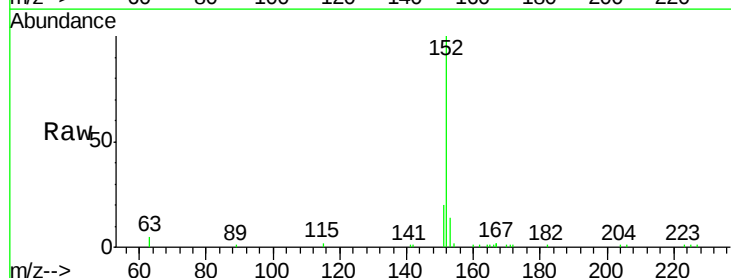


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

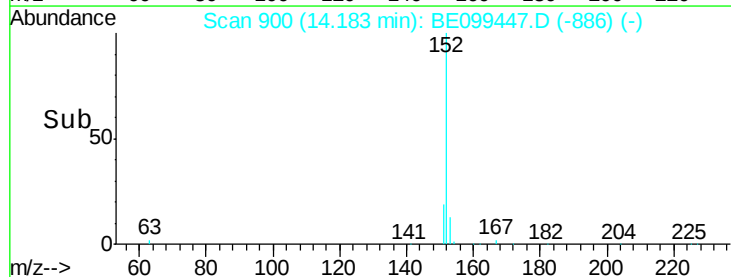
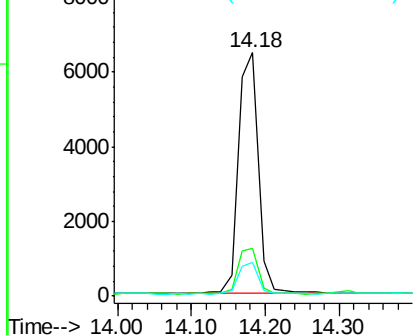


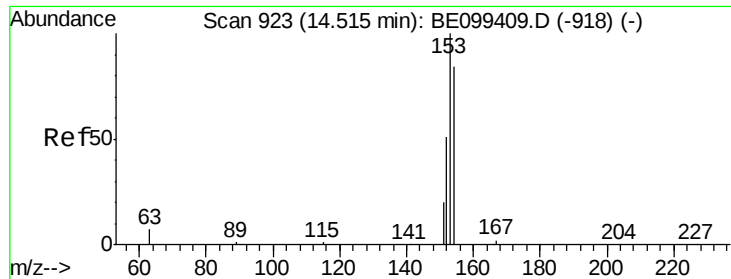
#16
Acenaphthylene
Concen: 0.392 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE099447.D
Acq: 1 May 2019 4:14

Tgt Ion:152 Resp: 12126
Ion Ratio Lower Upper
152 100
151 19.5 15.4 23.2
153 13.5 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: 0.368 ng

RT: 14.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: BE099447.D

Acq: 1 May 2019 4:14

Instrument :

BNA_E

ClientSampleId :

EXT-026-SW045-042219MSD

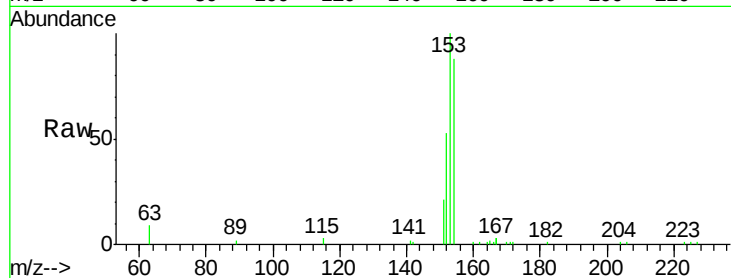
Tot Ion:154 Resp: 6504

Ion Ratio Lower Upper

154 100

153 111.8 92.6 138.8

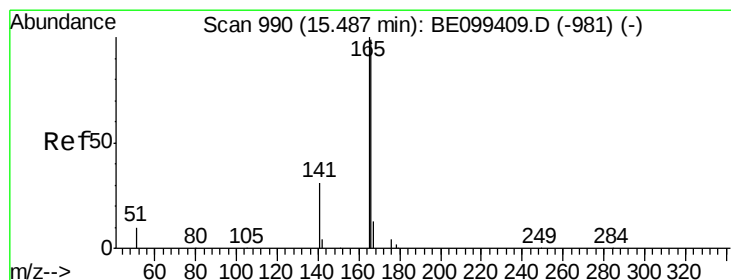
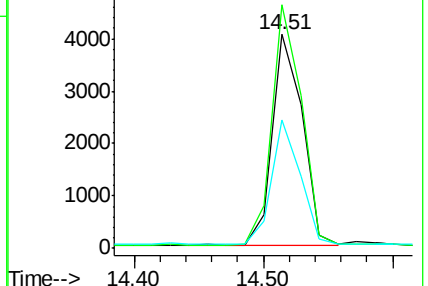
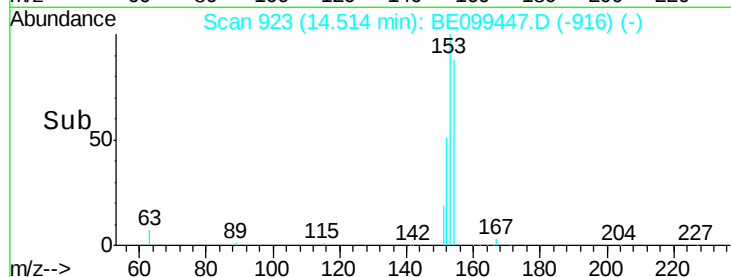
152 56.2 45.8 68.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.384 ng

RT: 15.49 min Scan# 990

Delta R.T. 0.00 min

Lab File: BE099447.D

Acq: 1 May 2019 4:14

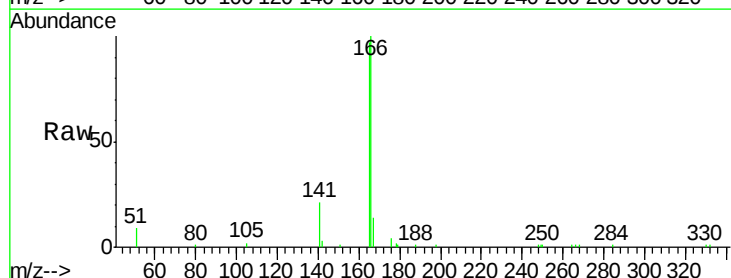
Tgt Ion:166 Resp: 10000

Ion Ratio Lower Upper

166 100

165 100.0 80.3 120.5

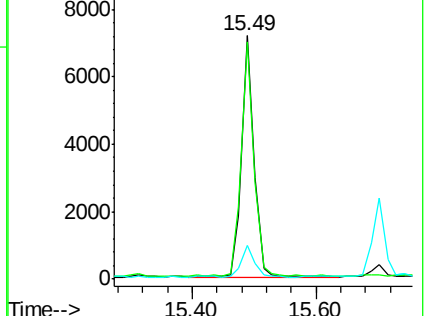
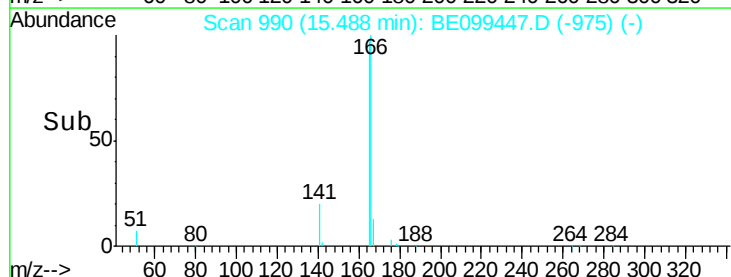
167 13.4 10.7 16.1

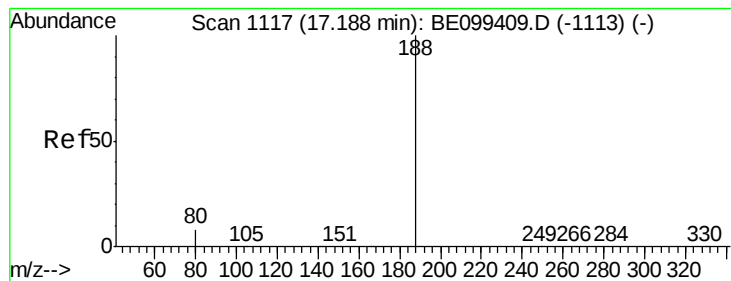


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.19 min Scan# 1117

Delta R.T. 0.00 min

Lab File: BE099447.D

Acq: 1 May 2019 4:14

Instrument :

BNA_E

ClientSampleId :

EXT-026-SW045-042219MSD

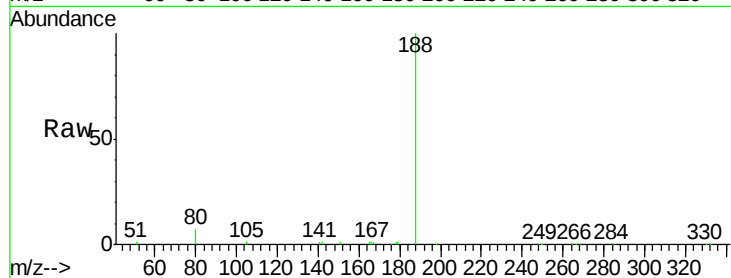
Tot Ion:188 Resp: 20522

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

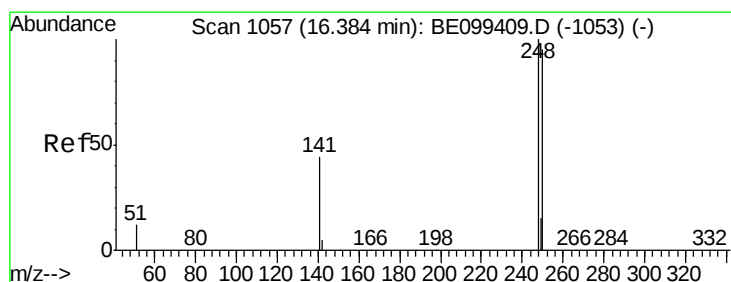
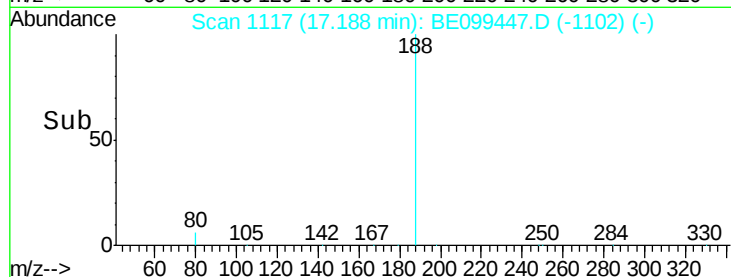
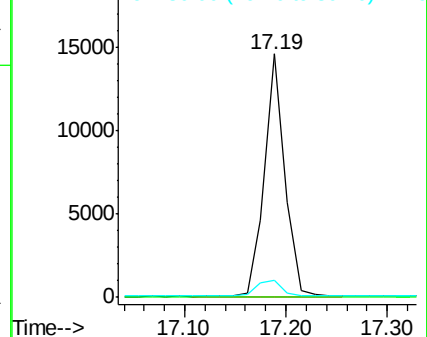
80 6.9 6.7 10.1



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: 0.340 ng

RT: 16.39 min Scan# 1057

Delta R.T. 0.00 min

Lab File: BE099447.D

Acq: 1 May 2019 4:14

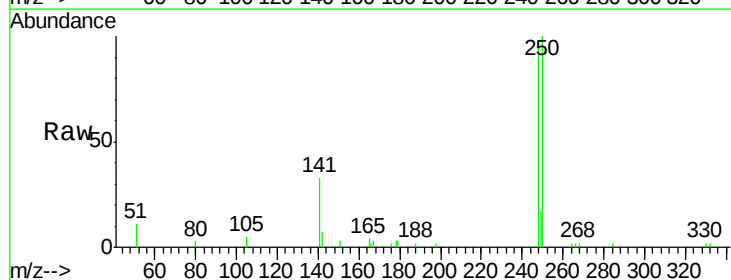
Tgt Ion:248 Resp: 4059

Ion Ratio Lower Upper

248 100

250 101.8 75.8 113.8

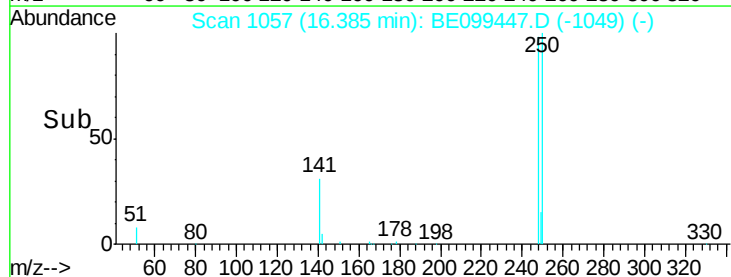
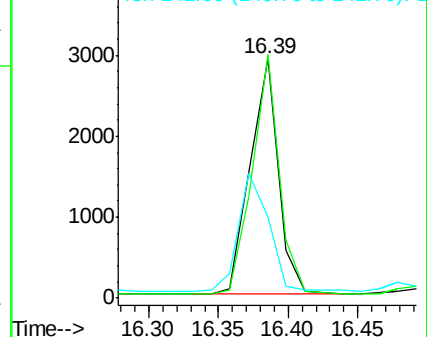
141 33.9 35.7 53.5#

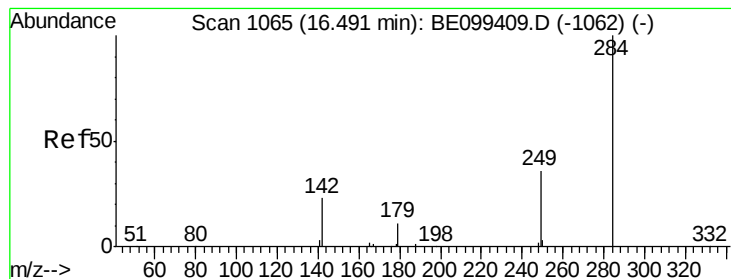


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.362 ng

RT: 16.49 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BE099447.D

Acq: 1 May 2019 4:14

Instrument :

BNA_E

ClientSampleId :

EXT-026-SW045-042219MSD

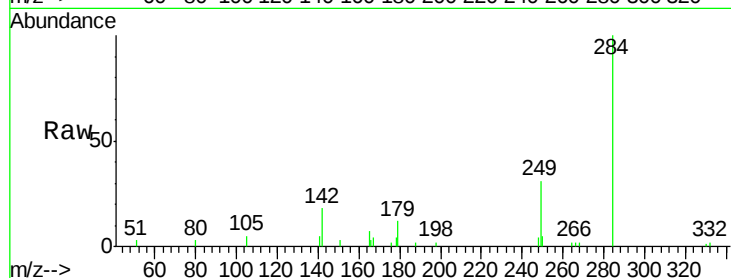
Tot Ion:284 Resp: 4123

Ion Ratio Lower Upper

284 100

142 26.0 21.0 31.6

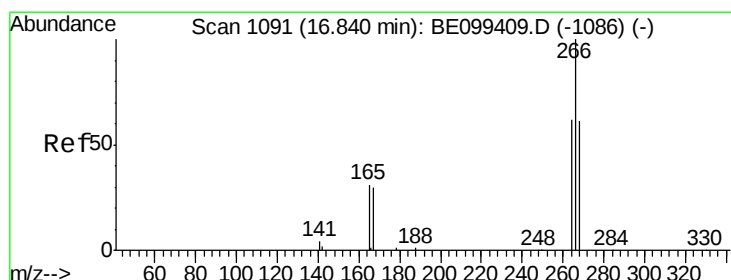
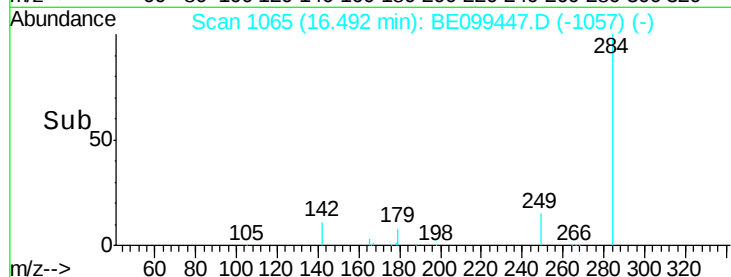
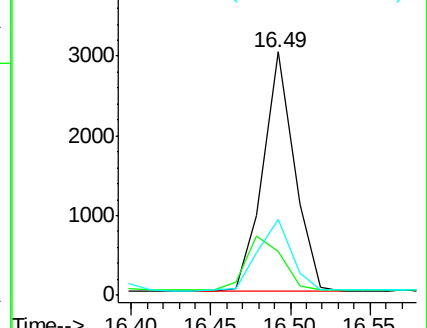
249 32.4 26.7 40.1



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: 1.065 ng

RT: 16.84 min Scan# 1091

Delta R.T. 0.00 min

Lab File: BE099447.D

Acq: 1 May 2019 4:14

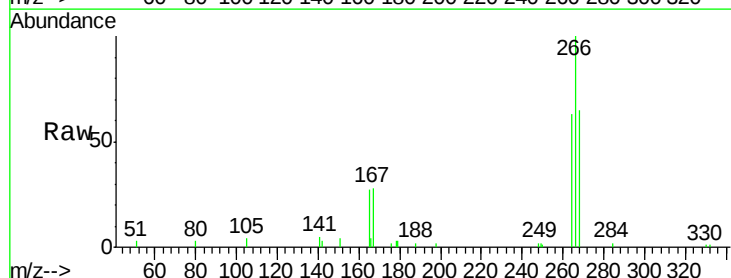
Tgt Ion:266 Resp: 5820

Ion Ratio Lower Upper

266 100

264 62.7 50.8 76.2

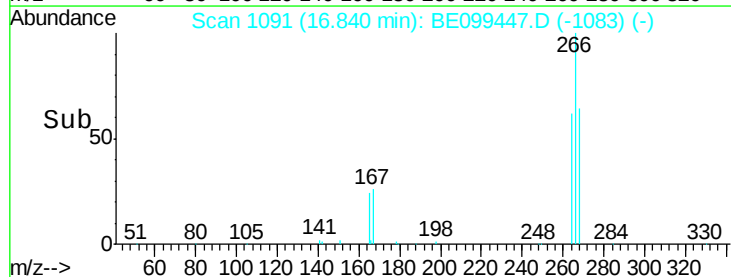
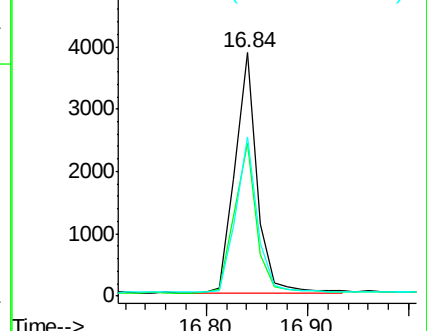
268 65.1 50.5 75.7

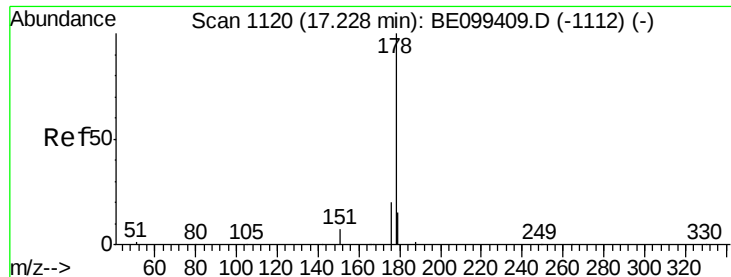


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.501 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099447.D

Acq: 1 May 2019 4:14

Instrument :

BNA_E

ClientSampleId :

EXT-026-SW045-042219MSD

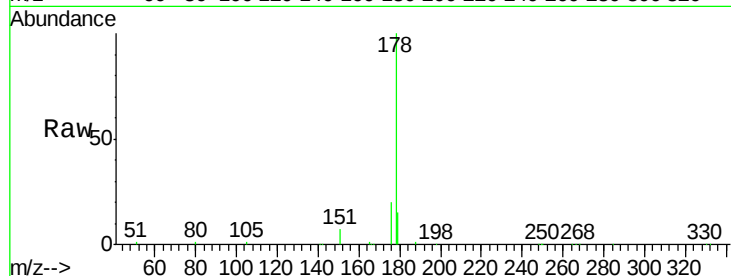
Tot Ion:178 Resp: 26537

Ion Ratio Lower Upper

178 100

176 19.6 15.6 23.4

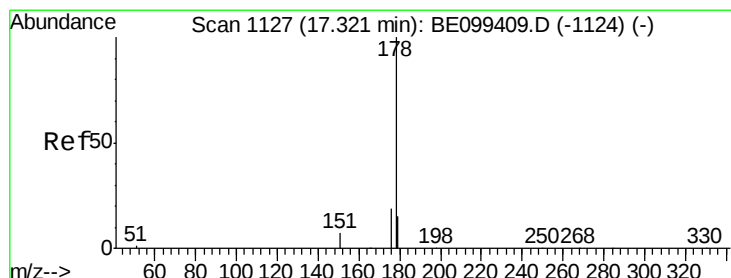
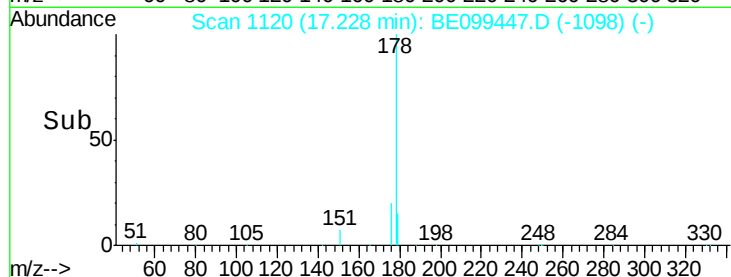
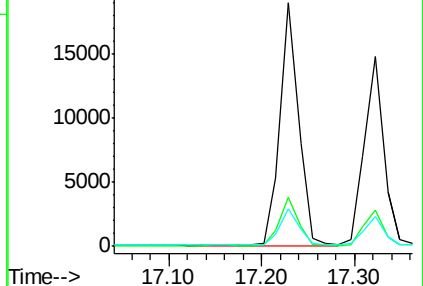
179 15.4 12.0 18.0



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: 0.419 ng

RT: 17.32 min Scan# 1127

Delta R.T. 0.00 min

Lab File: BE099447.D

Acq: 1 May 2019 4:14

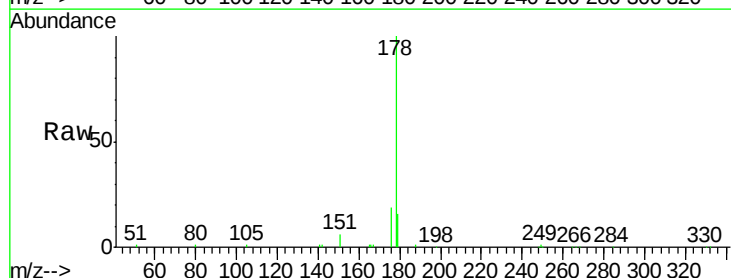
Tgt Ion:178 Resp: 21167

Ion Ratio Lower Upper

178 100

176 19.2 14.9 22.3

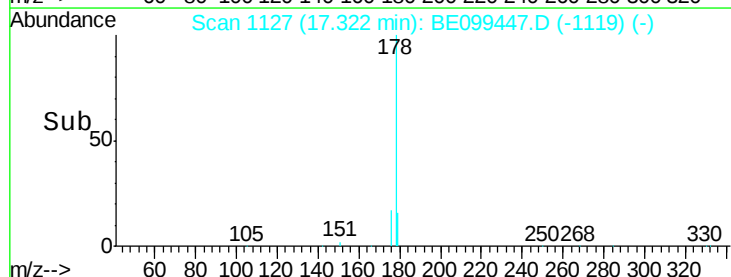
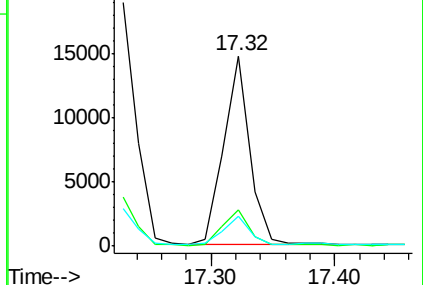
179 15.3 11.9 17.9

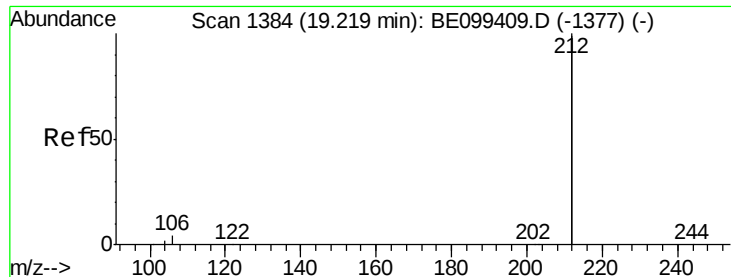


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.379 ng

RT: 19.22 min Scan# 1384

Delta R.T. -0.00 min

Lab File: BE099447.D

Acq: 1 May 2019 4:14

Instrument :

BNA_E

ClientSampleId :

EXT-026-SW045-042219MSD

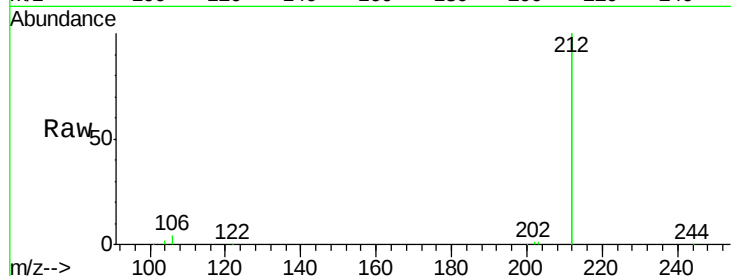
Tot Ion:212 Resp: 104706

Ion Ratio Lower Upper

212 100

106 1.8 1.5 2.3

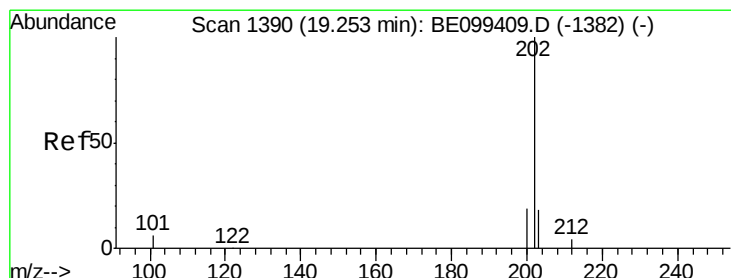
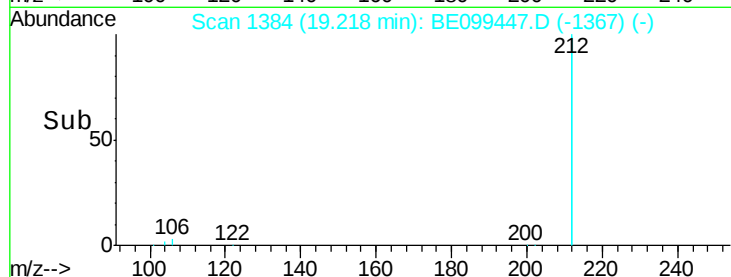
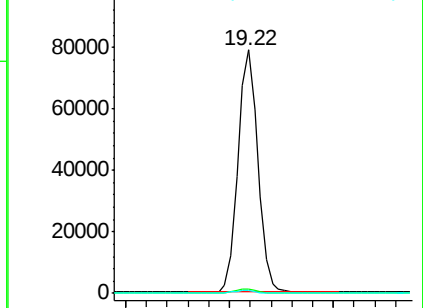
104 1.1 0.9 1.3



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.607 ng

RT: 19.25 min Scan# 1389

Delta R.T. -0.01 min

Lab File: BE099447.D

Acq: 1 May 2019 4:14

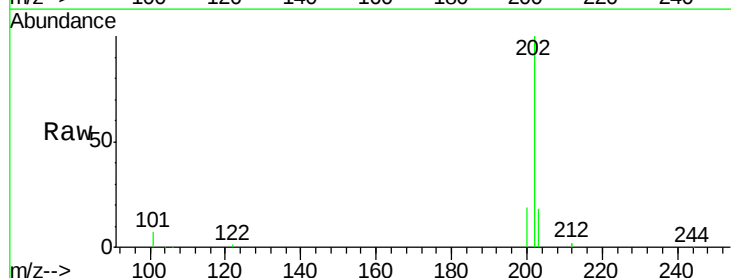
Tgt Ion:202 Resp: 48181

Ion Ratio Lower Upper

202 100

101 6.9 5.4 8.0

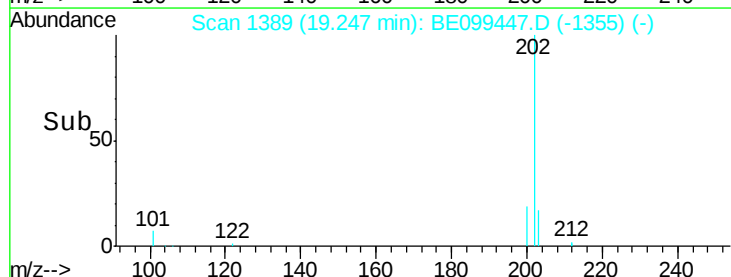
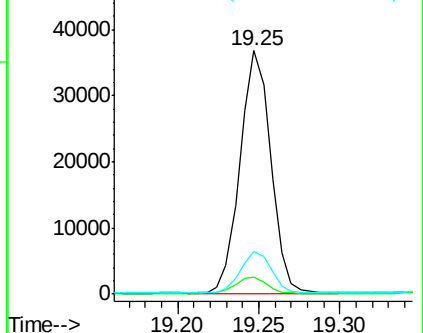
203 17.2 13.9 20.9



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: BE099447.D

Acq: 1 May 2019 4:14

Instrument :

BNA_E

ClientSampleId :

EXT-026-SW045-042219MSD

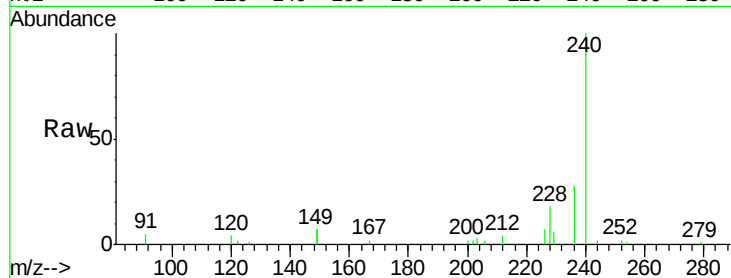
Tot Ion:240 Resp: 28346

Ion Ratio Lower Upper

240 100

120 4.3 4.0 6.0

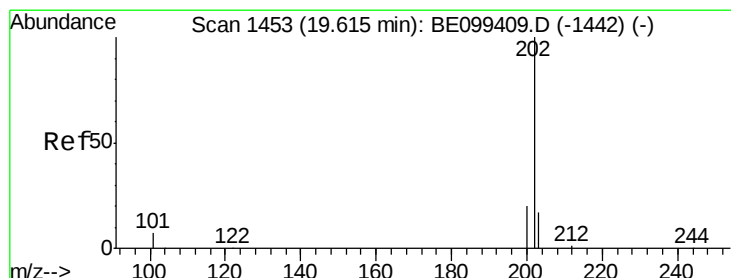
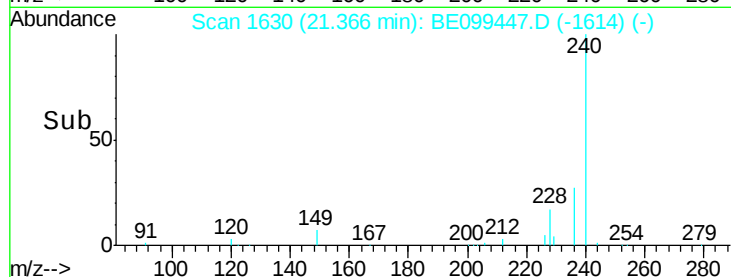
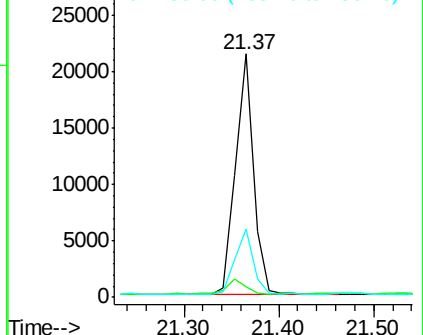
236 28.0 22.0 33.0



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

Pyrene

Concen: 0.685 ng

RT: 19.61 min Scan# 1452

Delta R.T. -0.01 min

Lab File: BE099447.D

Acq: 1 May 2019 4:14

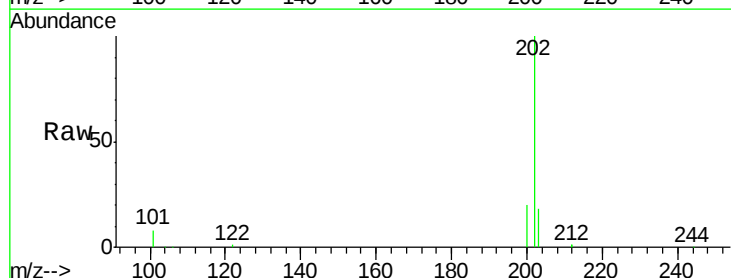
Tgt Ion:202 Resp: 50587

Ion Ratio Lower Upper

202 100

200 19.7 15.7 23.5

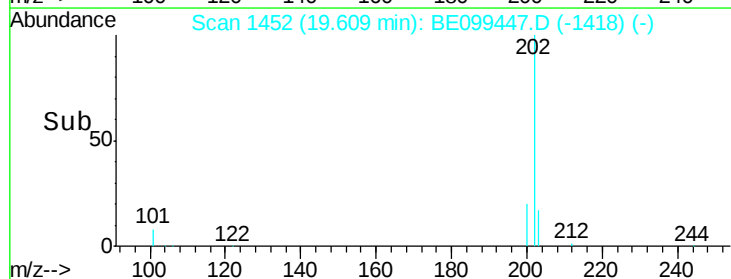
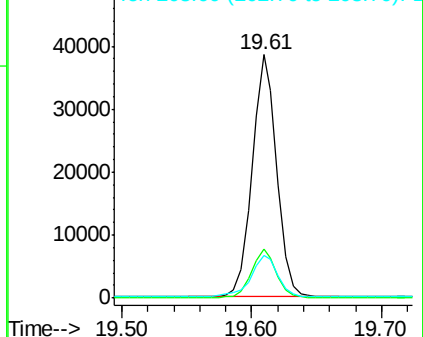
203 18.9 13.9 20.9

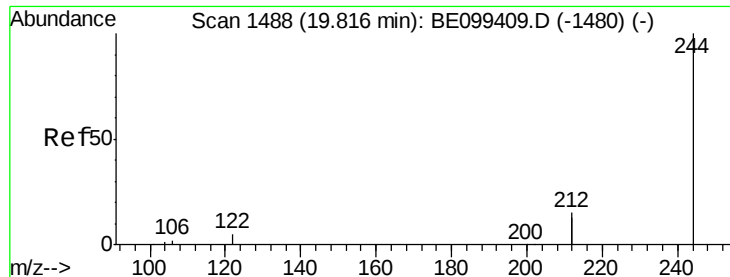


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.435 ng

RT: 19.82 min Scan# 1488

Delta R.T. -0.00 min

Lab File: BE099447.D

Acq: 1 May 2019 4:14

Instrument :

BNA_E

ClientSampleId :

EXT-026-SW045-042219MSD

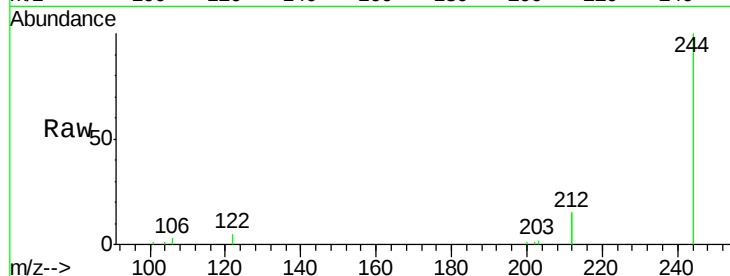
Tot Ion:244 Resp: 22601

Ion Ratio Lower Upper

244 100

212 29.3 23.2 34.8

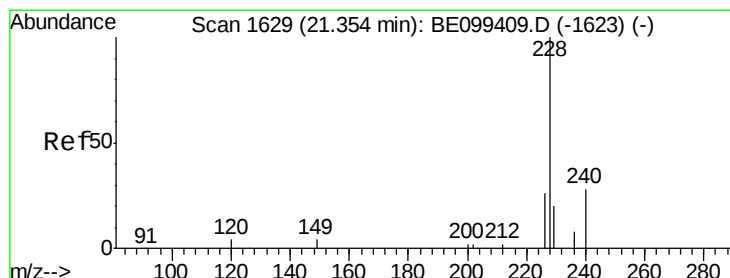
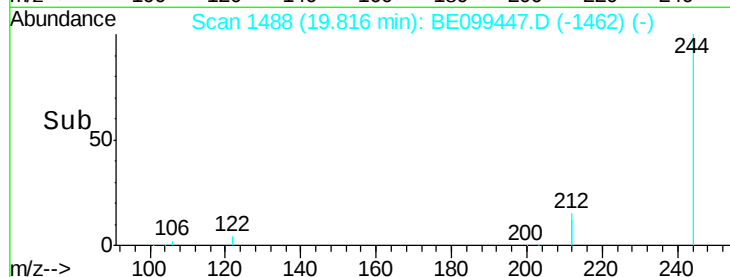
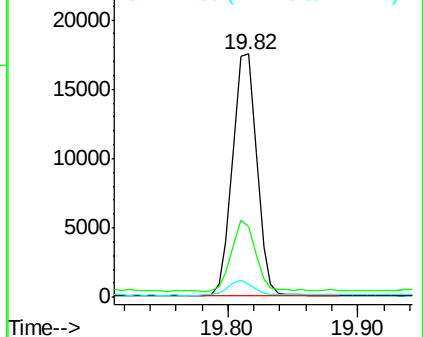
122 5.4 4.2 6.4



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: 0.571 ng

RT: 21.34 min Scan# 1628

Delta R.T. -0.01 min

Lab File: BE099447.D

Acq: 1 May 2019 4:14

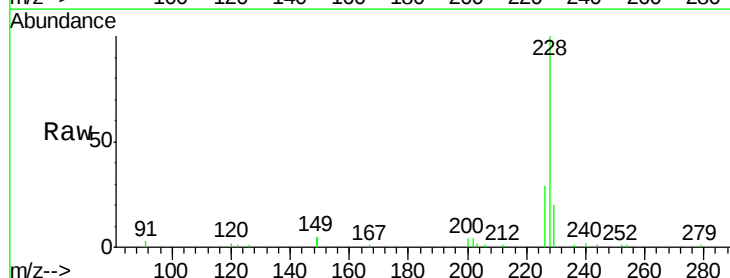
Tgt Ion:228 Resp: 51553

Ion Ratio Lower Upper

228 100

226 29.3 21.0 31.6

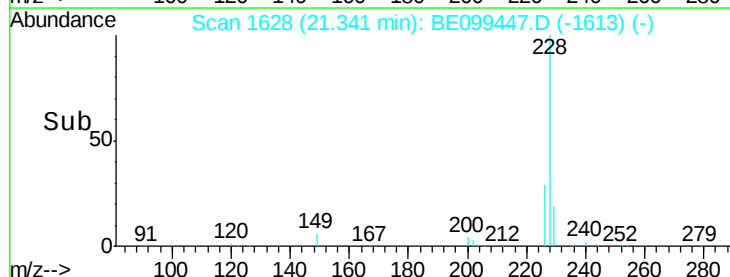
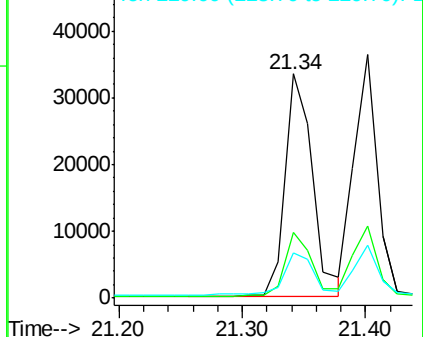
229 20.4 16.6 25.0



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: 0.536 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.00 min

Lab File: BE099447.D

Acq: 1 May 2019 4:14

Instrument :

BNA_E

ClientSampleId :

EXT-026-SW045-042219MSD

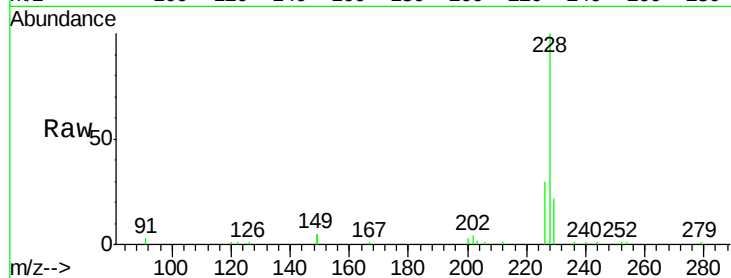
Tot Ion:228 Resp: 47356

Ion Ratio Lower Upper

228 100

226 29.5 24.0 36.0

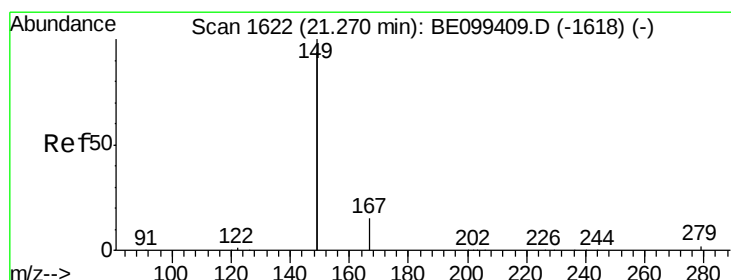
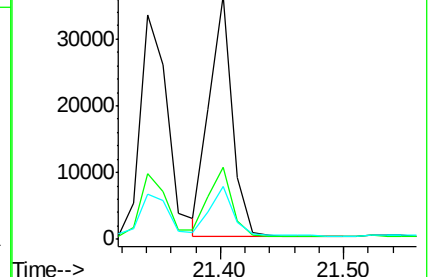
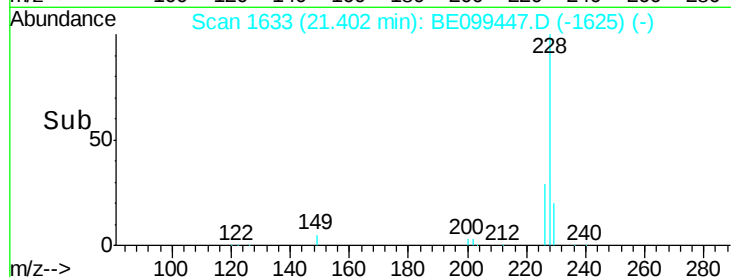
229 21.6 15.8 23.8



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: 0.582 ng

RT: 21.27 min Scan# 1622

Delta R.T. -0.00 min

Lab File: BE099447.D

Acq: 1 May 2019 4:14

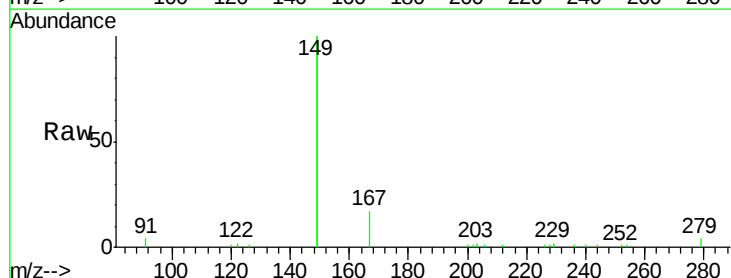
Tgt Ion:149 Resp: 83243

Ion Ratio Lower Upper

149 100

167 7.4 5.8 8.6

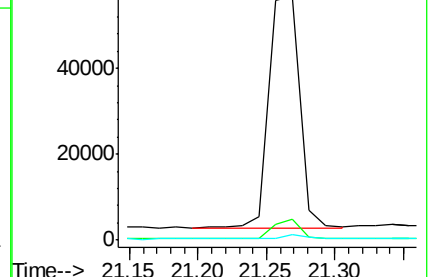
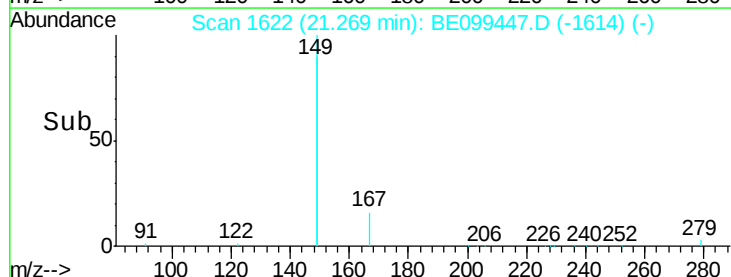
279 1.4 1.0 1.6



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: 0.484 ng

RT: 26.50 min Scan# 2934

Delta R.T. -0.01 min

Lab File: BE099447.D

Acq: 1 May 2019 4:14

Instrument :

BNA_E

ClientSampleId :

EXT-026-SW045-042219MSD

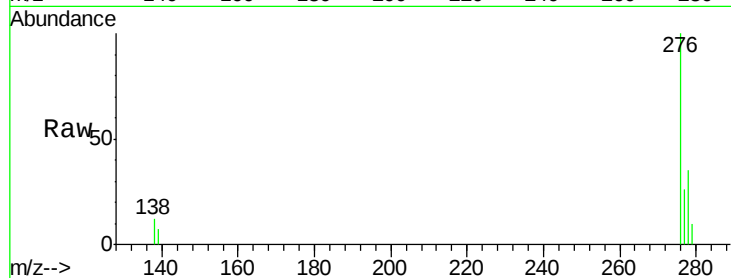
Tot Ion:276 Resp: 50516

Ion Ratio Lower Upper

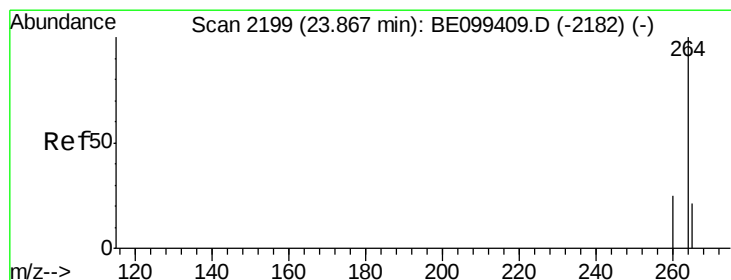
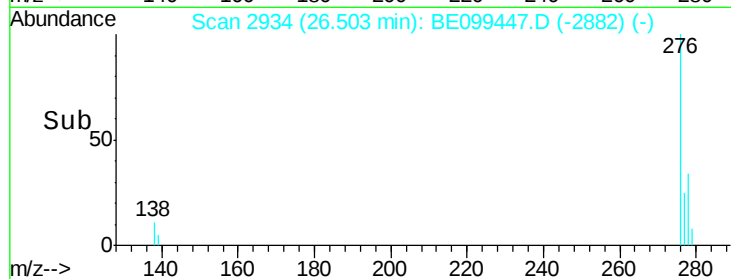
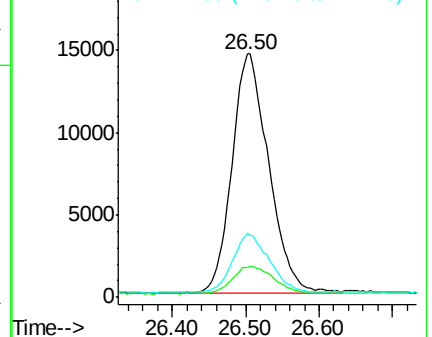
276 100

138 12.7 10.2 15.2

277 24.4 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

Perylene-d12

Concen: 0.400 ng

RT: 23.86 min Scan# 2198

Delta R.T. -0.00 min

Lab File: BE099447.D

Acq: 1 May 2019 4:14

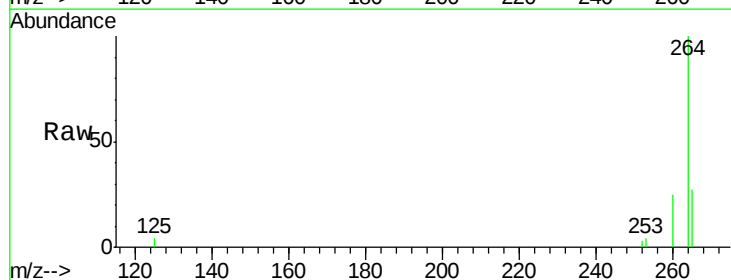
Tgt Ion:264 Resp: 33182

Ion Ratio Lower Upper

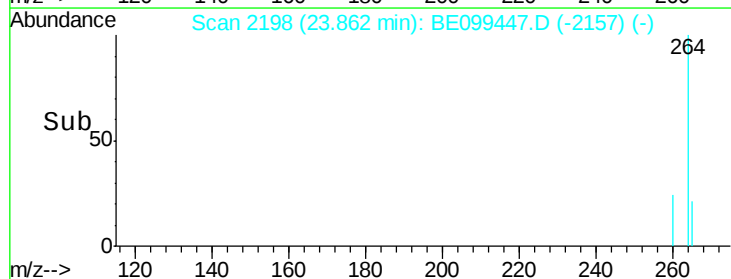
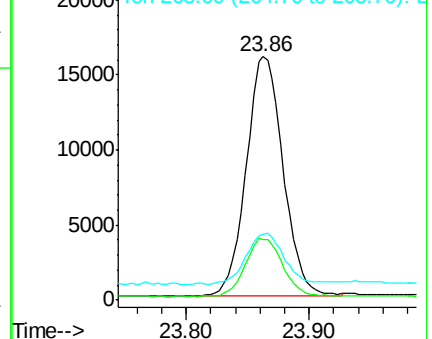
264 100

260 25.1 20.2 30.2

265 27.0 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: 0.505 ng

RT: 23.09 min Scan# 1982

Delta R.T. -0.00 min

Lab File: BE099447.D

Acq: 1 May 2019 4:14

Instrument :

BNA_E

ClientSampleId :

EXT-026-SW045-042219MSD

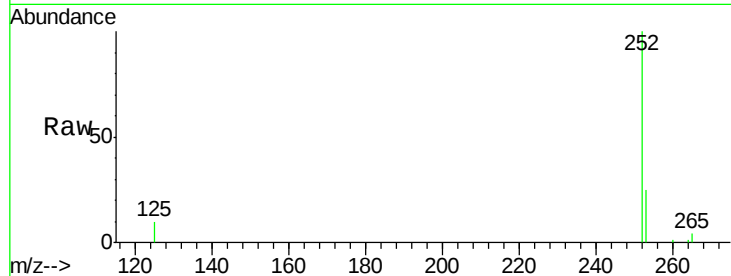
Tot Ion:252 Resp: 48323

Ion Ratio Lower Upper

252 100

253 24.7 18.1 27.1

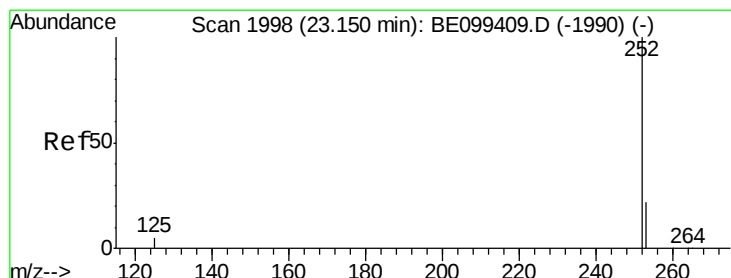
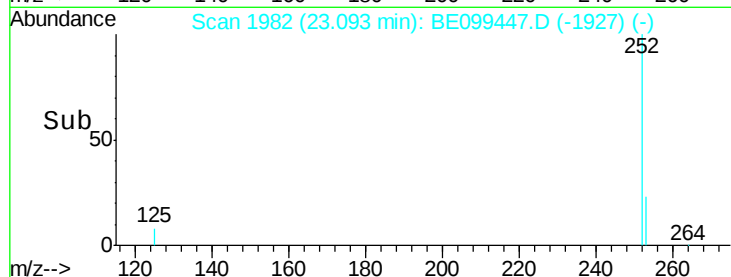
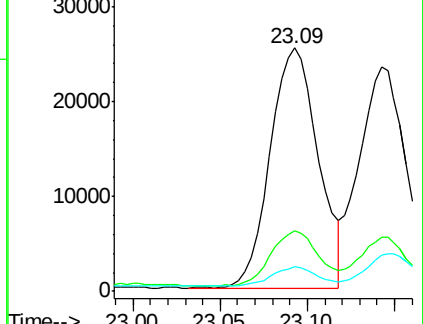
125 9.9 5.6 8.4#



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: 0.467 ng

RT: 23.14 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BE099447.D

Acq: 1 May 2019 4:14

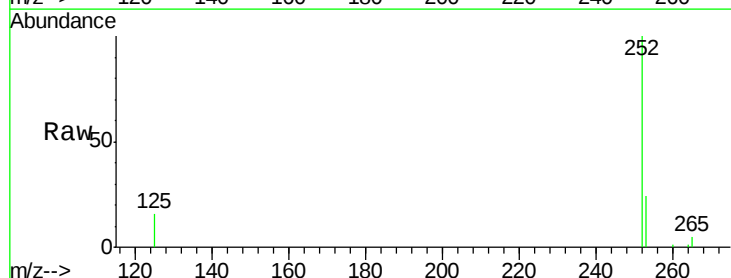
Tgt Ion:252 Resp: 43124

Ion Ratio Lower Upper

252 100

253 23.9 18.4 27.6

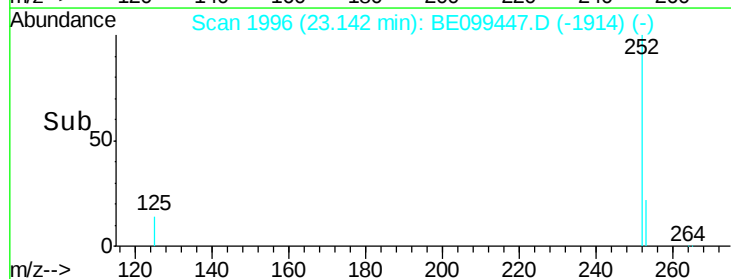
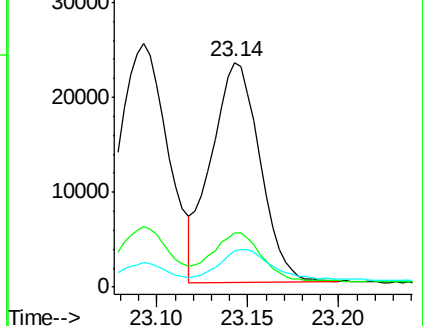
125 15.9 5.0 7.4#



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

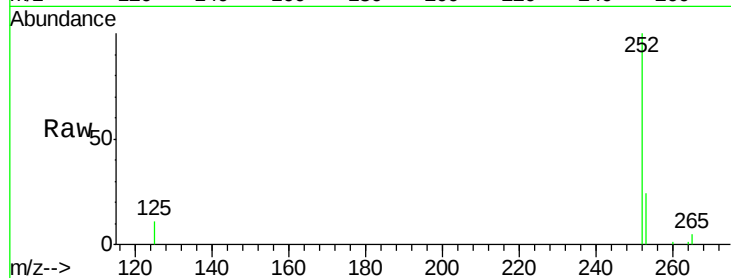




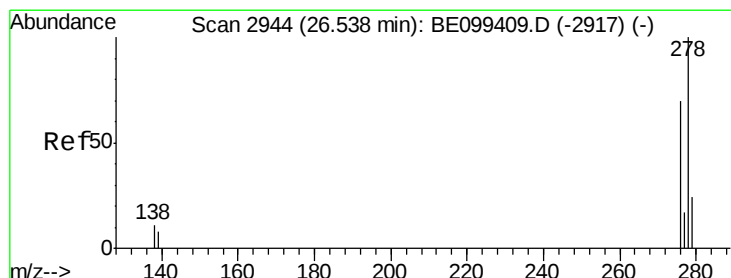
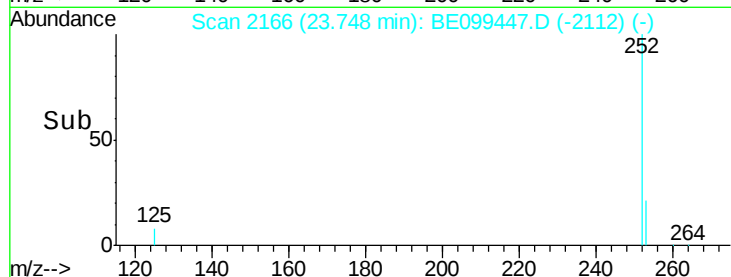
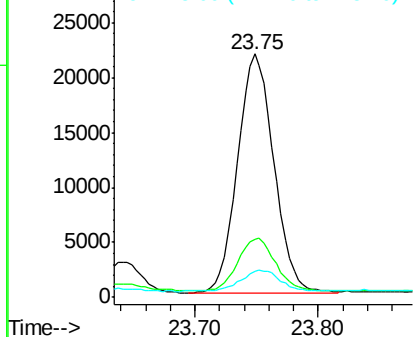
#37
Benzo(a)pyrene
Concen: 0.492 ng
RT: 23.75 min Scan# 2166
Delta R.T. -0.01 min
Lab File: BE099447.D
Acq: 1 May 2019 4:14

Instrument :
BNA_E
ClientSampleId :
EXT-026-SW045-042219MSD

Tot Ion:252 Resp: 44546
Ion Ratio Lower Upper
252 100
253 23.9 18.9 28.3
125 10.8 6.7 10.1#

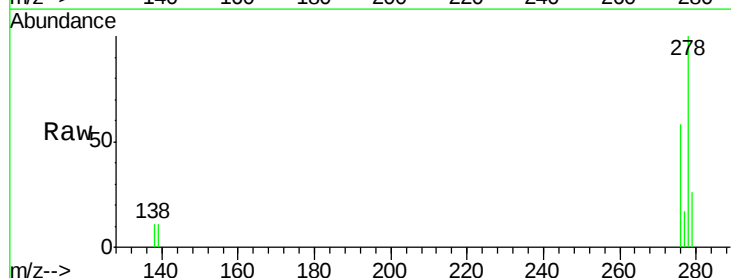


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

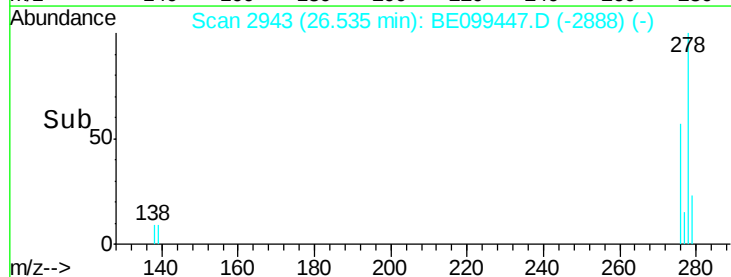
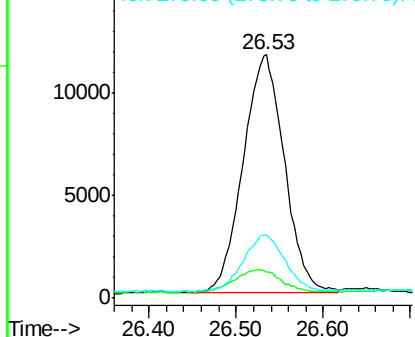


#38
Dibenzo(a,h)anthracene
Concen: 0.414 ng
RT: 26.53 min Scan# 2943
Delta R.T. -0.00 min
Lab File: BE099447.D
Acq: 1 May 2019 4:14

Tgt Ion:278 Resp: 38316
Ion Ratio Lower Upper
278 100
139 10.9 7.7 11.5
279 25.8 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: 0.470 ng

RT: 27.32 min Scan# 3164

Delta R.T. -0.01 min

Lab File: BE099447.D

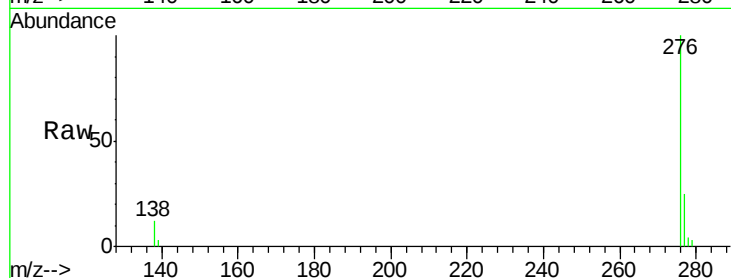
Acq: 1 May 2019 4:14

Instrument :

BNA_E

ClientSampleId :

EXT-026-SW045-042219MSD



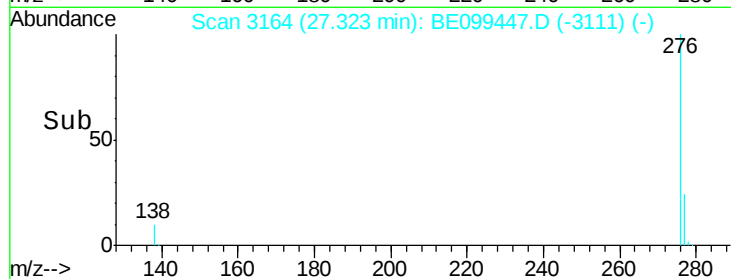
Tot Ion: 276 Resp: 43531

Ion Ratio Lower Upper

276 100

277 25.4 19.5 29.3

138 11.5 9.6 14.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

