

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032919\
 Data File : BE099254.D
 Acq On : 29 Mar 2019 14:37
 Operator : JU/SJ
 Sample : K1982-06MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-028-SW009-032519MSD

Quant Time: Apr 10 01:28:58 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 07:02:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	3177	0.40	ng	-0.01
7) Naphthalene-d8	10.63	136	12307	0.40	ng	0.00
13) Acenaphthene-d10	14.47	164	8700	0.40	ng	-0.01
19) Phenanthrene-d10	17.20	188	27911	0.40	ng	-0.01
27) Chrysene-d12	21.38	240	35524	0.40	ng	-0.01
34) Perylene-d12	23.89	264	34139	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.41	112	3316	0.35	ng	0.00
5) Phenol-d6	6.99	99	4781	0.33	ng	0.00
8) Nitrobenzene-d5	8.98	82	3477	0.35	ng	-0.01
11) 2-Methylnaphthalene-d10	12.21	152	12131	0.51	ng	-0.01
14) 2,4,6-Tribromophenol	15.96	330	1397	0.51	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	12185	0.34	ng	0.00
25) Fluoranthene-d10	19.24	212	133975	0.40	ng	0.00
29) Terphenyl-d14	19.83	244	22372	0.29	ng	0.00

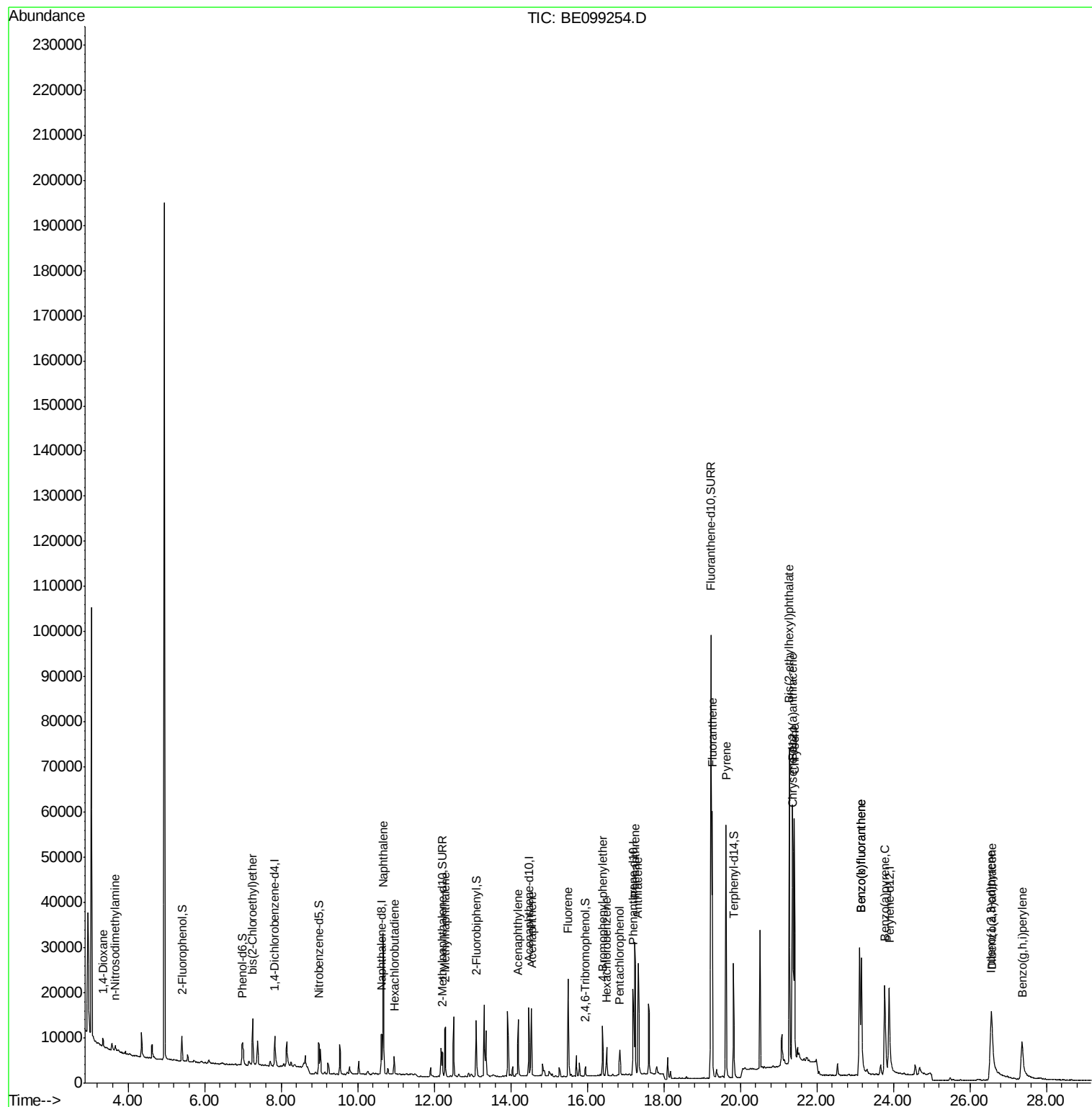
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.34	88	1280	0.306	ng	# 70
3) n-Nitrosodimethylamine	3.66	42	908	0.387	ng	# 88
6) bis(2-Chloroethyl)ether	7.25	93	3915	0.344	ng	97
9) Naphthalene	10.67	128	51450	0.354	ng	99
10) Hexachlorobutadiene	10.95	225	2738	0.354	ng	96
12) 2-Methylnaphthalene	12.30	142	8996	0.347	ng	99
16) Acenaphthylene	14.20	152	14914	0.336	ng	99
17) Acenaphthene	14.54	154	9194	0.347	ng	99
18) Fluorene	15.50	166	13842	0.371	ng	99
20) 4-Bromophenyl-phenylether	16.40	248	5618	0.312	ng	# 81
21) Hexachlorobenzene	16.50	284	4992	0.287	ng	99
22) Pentachlorophenol	16.85	266	3173	1.323	ng	89
23) Phenanthrene	17.24	178	35224	0.430	ng	100
24) Anthracene	17.33	178	26179	0.353	ng	100
26) Fluoranthene	19.26	202	54797	0.524	ng	99
28) Pyrene	19.63	202	54886	0.465	ng	99
30) Benzo(a)anthracene	21.37	228	49188	0.420	ng	98
31) Chrysene	21.41	228	47397	0.378	ng	99
32) Bis(2-ethylhexyl)phthalate	21.28	149	70612	0.505	ng	100
33) Indeno(1,2,3-cd)pyrene	26.55	276	34024	0.287	ng	# 90
35) Benzo(b)fluoranthene	23.16	252	42798	0.381	ng	100
36) Benzo(k)fluoranthene	23.16	252	42798	0.360	ng	99
37) Benzo(a)pyrene	23.77	252	39529	0.377	ng	# 95
38) Dibenzo(a,h)anthracene	26.58	278	27357	0.294	ng	# 95
39) Benzo(g,h,i)perylene	27.37	276	30340	0.325	ng	98

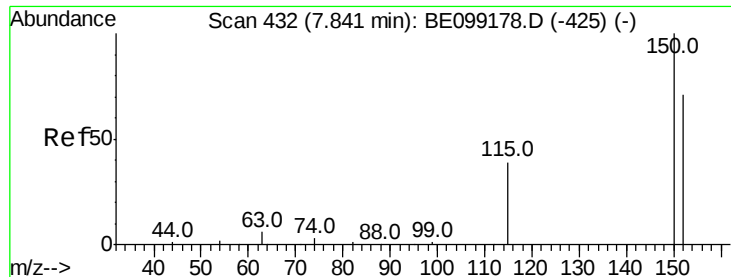
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.83 min Scan# 431

Delta R.T. -0.01 min

Lab File: BE099254.D

Acq: 29 Mar 2019 14:37

Instrument :

BNA_E

ClientSampleId :

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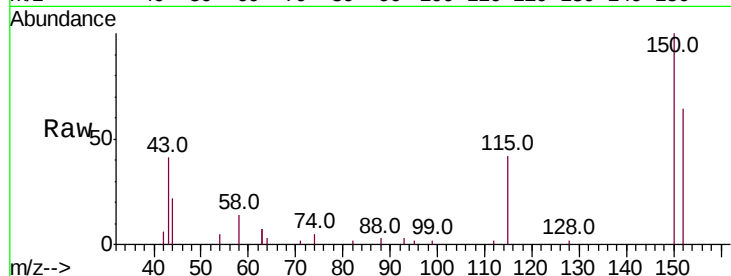
Tot Ion:152 Resp: 3177

Ion Ratio Lower Upper

152 100

150 156.3 112.8 169.2

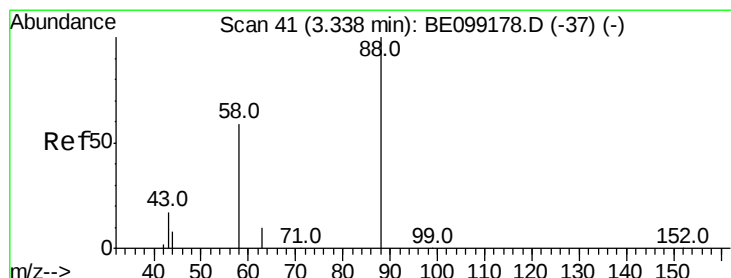
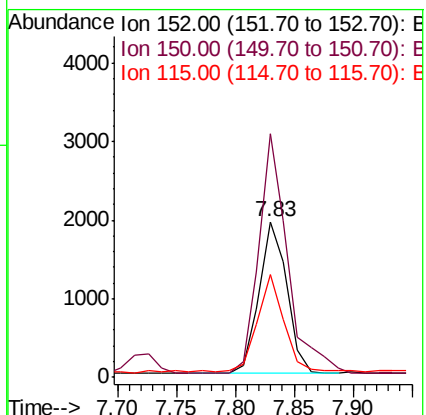
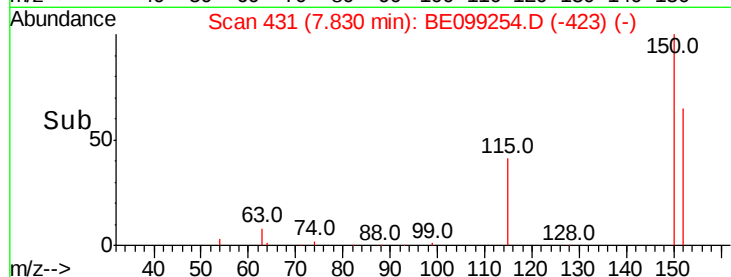
115 66.0 45.1 67.7



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: 0.306 ng

RT: 3.34 min Scan# 41

Delta R.T. 0.00 min

Lab File: BE099254.D

Acq: 29 Mar 2019 14:37

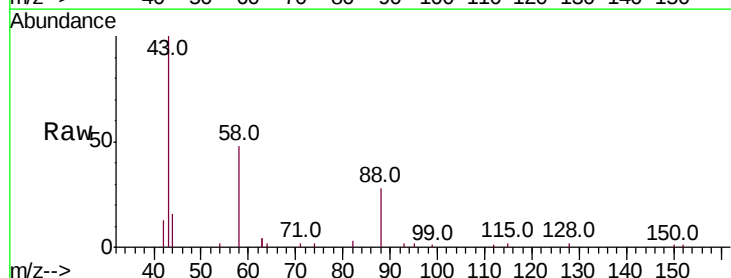
Tgt Ion: 88 Resp: 1280

Ion Ratio Lower Upper

88 100

58 78.3 47.4 71.0#

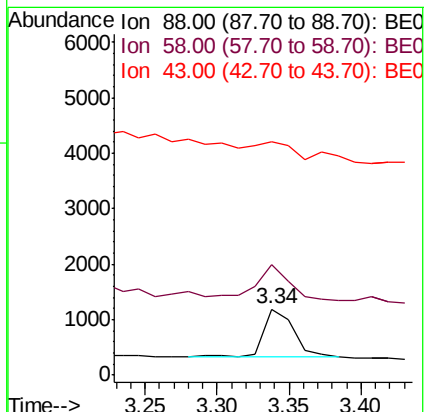
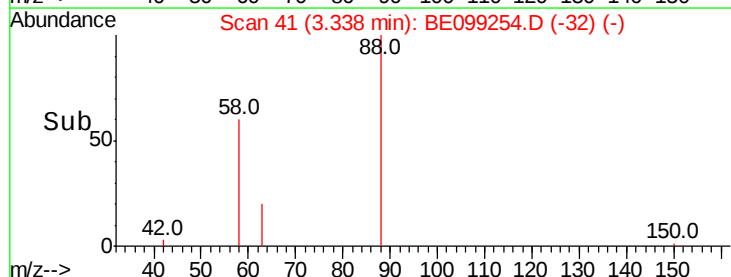
43 0.0 15.6 23.4#

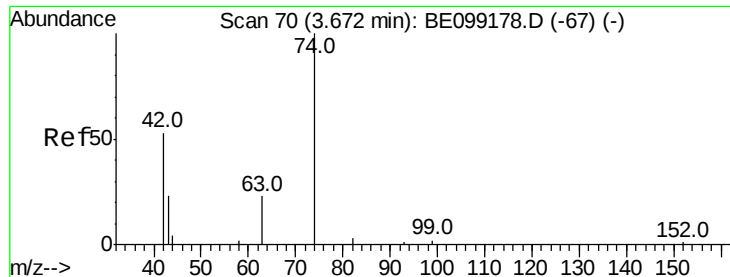


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.387 ng

RT: 3.66 min Scan# 69

Delta R.T. -0.01 min

Lab File: BE099254.D

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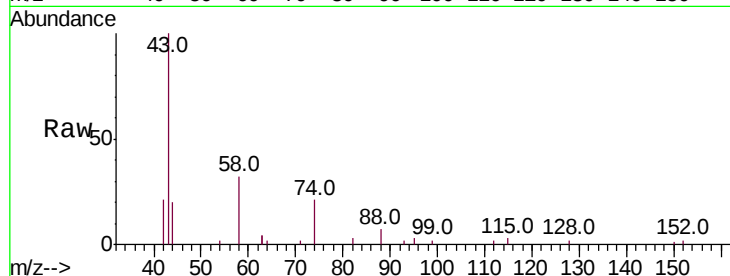
Tot Ion: 42 Resp: 908

Ion Ratio Lower Upper

42 100

74 188.3 138.6 207.8

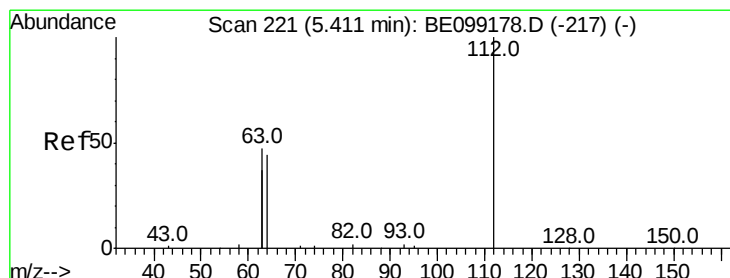
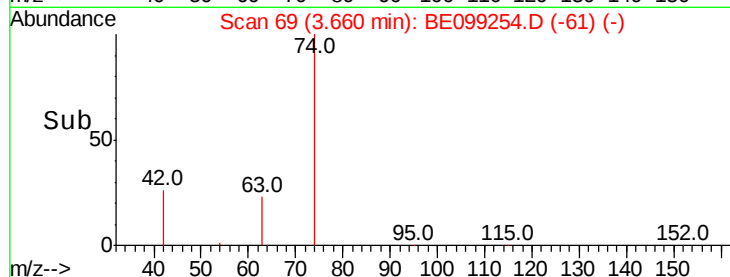
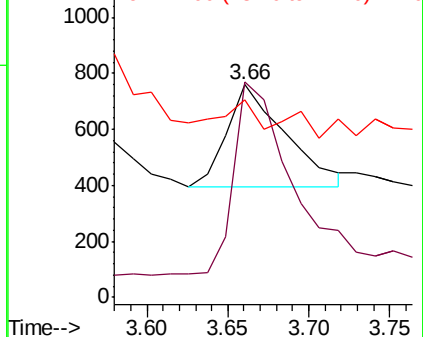
44 7.5 15.0 22.6#



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: 0.350 ng

RT: 5.41 min Scan# 221

Delta R.T. 0.00 min

Lab File: BE099254.D

Acq: 29 Mar 2019 14:37

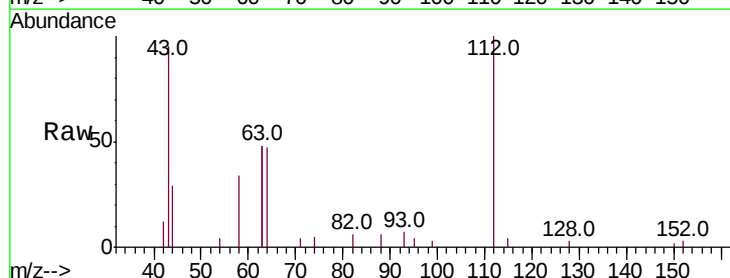
Tgt Ion: 112 Resp: 3316

Ion Ratio Lower Upper

112 100

64 59.3 46.2 69.2

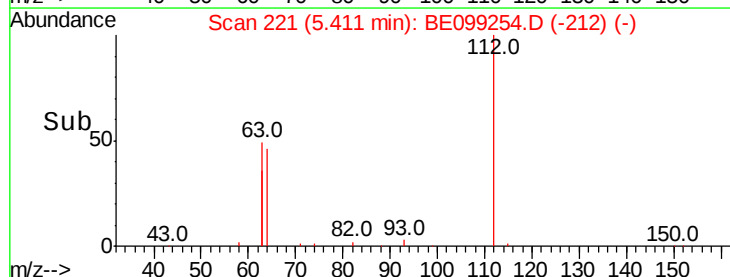
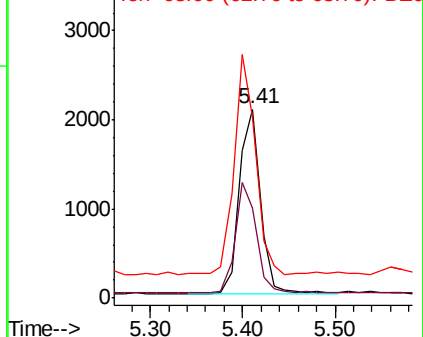
63 121.7 89.9 134.9

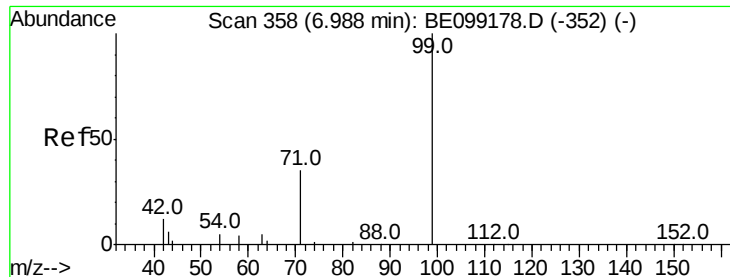


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.330 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.00 min

Lab File: BE099254.D

Acq: 29 Mar 2019 14:37

Instrument :

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EXT-028-SW009-032519MSD

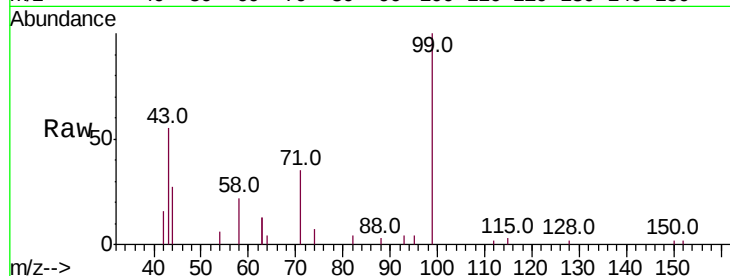
Tot Ion: 99 Resp: 4781

Ion Ratio Lower Upper

99 100

42 15.5 12.4 18.6

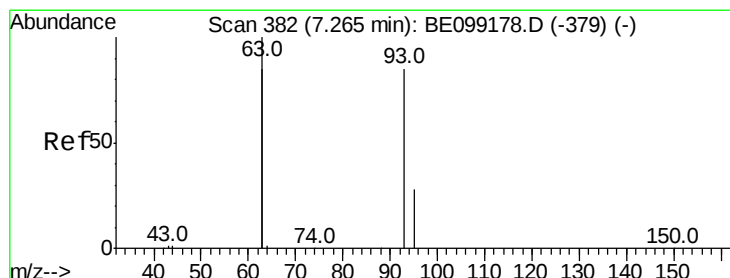
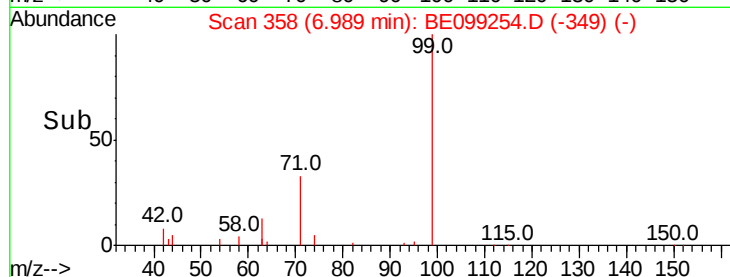
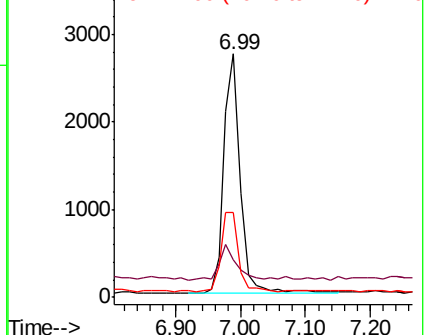
71 34.9 28.4 42.6



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: 0.344 ng

RT: 7.25 min Scan# 381

Delta R.T. -0.01 min

Lab File: BE099254.D

Acq: 29 Mar 2019 14:37

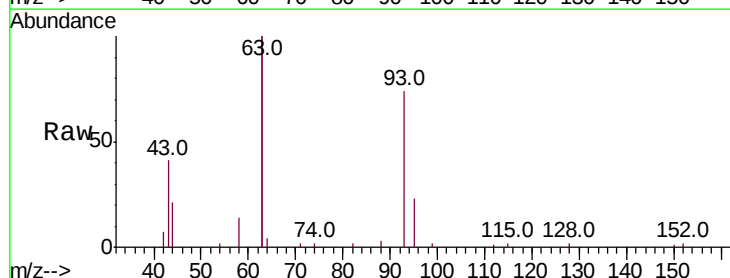
Tgt Ion: 93 Resp: 3915

Ion Ratio Lower Upper

93 100

63 271.6 221.4 332.0

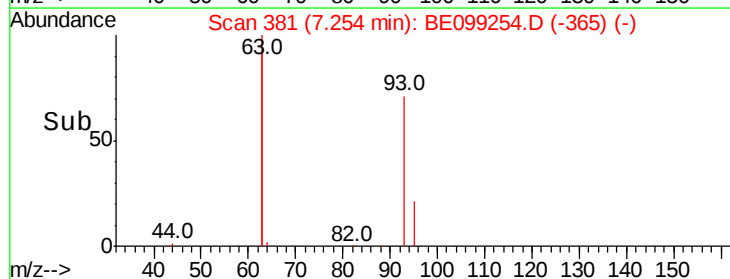
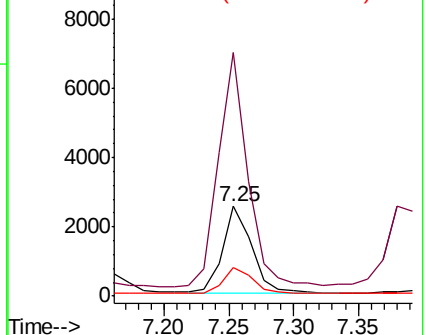
95 33.0 25.8 38.8

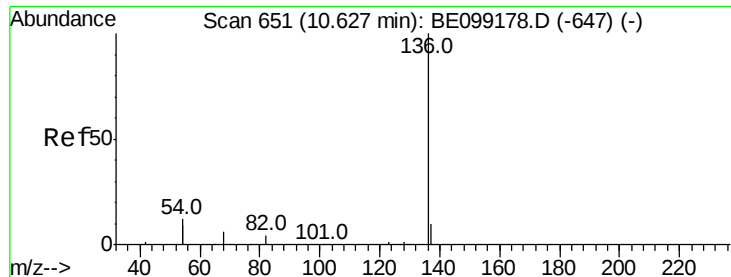


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.63 min Scan# 651

Delta R.T. 0.00 min

Lab File: BE099254.D

Acq: 29 Mar 2019 14:37

Instrument :

BNA_E

ClientSampleId :

EXT-028-SW009-032519MSD

Tot Ion:136 Resp: 12307

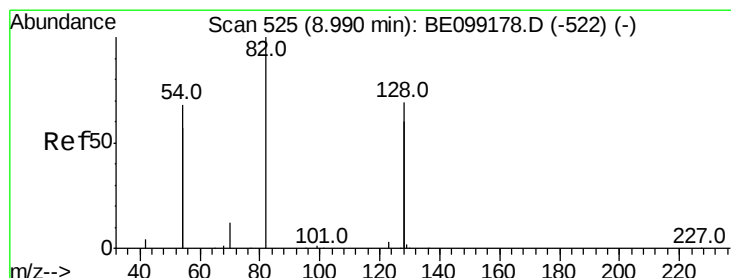
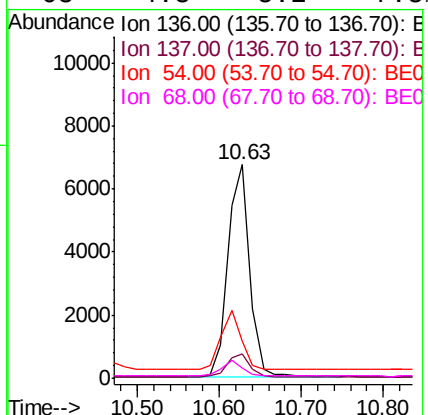
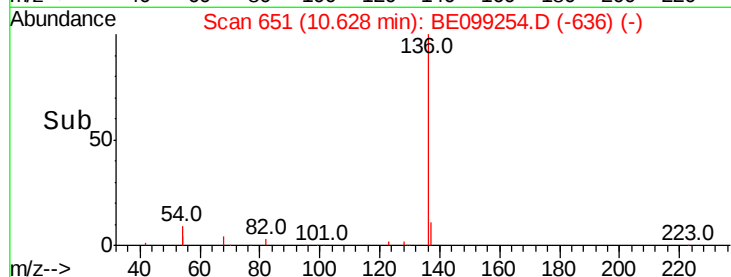
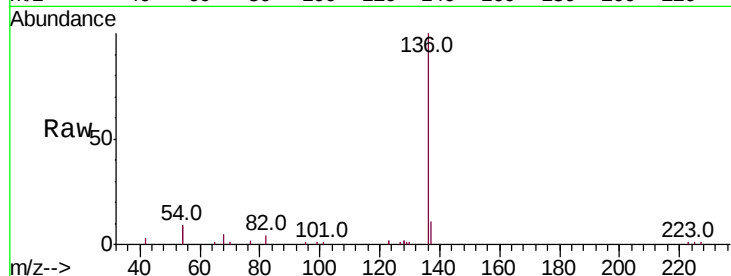
Ion Ratio Lower Upper

136 100

137 11.5 8.7 13.1

54 17.2 18.7 28.1#

68 4.8 5.2 7.8#



#8

Nitrobenzene-d5

Concen: 0.346 ng

RT: 8.98 min Scan# 524

Delta R.T. -0.01 min

Lab File: BE099254.D

Acq: 29 Mar 2019 14:37

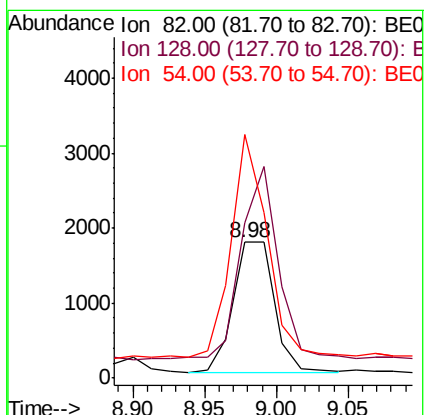
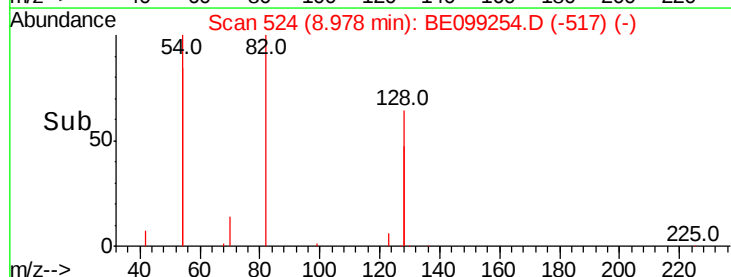
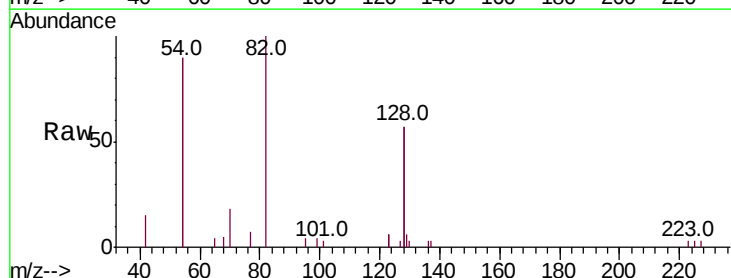
Tgt Ion: 82 Resp: 3477

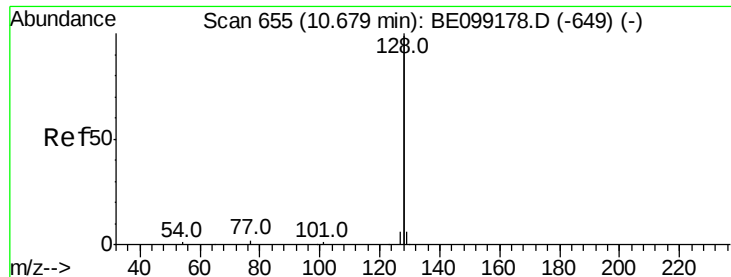
Ion Ratio Lower Upper

82 100

128 114.8 107.5 161.3

54 179.2 106.3 159.5#





#9

Naphthalene

Concen: 0.354 ng

RT: 10.67 min Scan# 654

Delta R.T. -0.01 min

Lab File: BE099254.D

Acq: 29 Mar 2019 14:37

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BNA_E

ClientSampleId :

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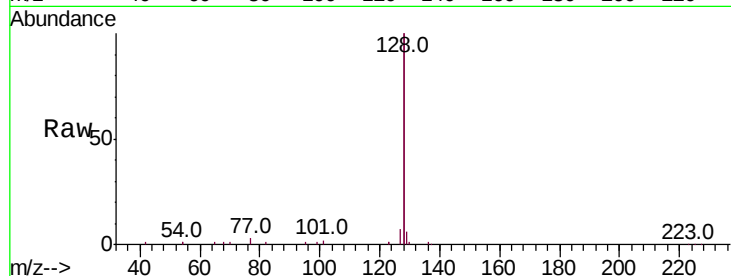
Tot Ion:128 Resp: 51450

Ion Ratio Lower Upper

128 100

129 3.1 2.3 3.5

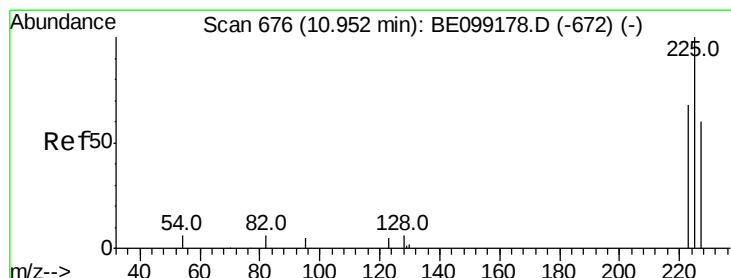
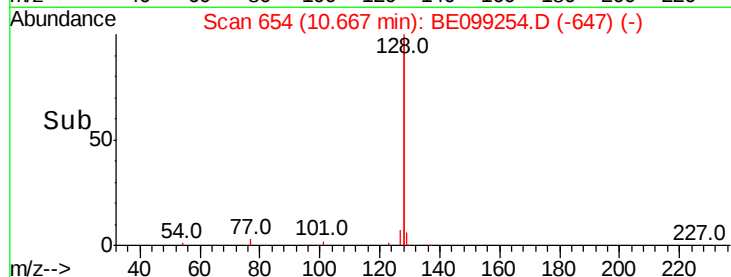
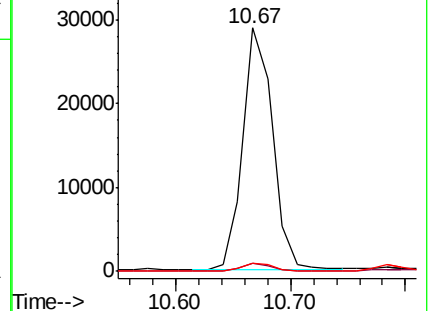
127 3.5 2.6 3.8



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: 0.354 ng

RT: 10.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: BE099254.D

Acq: 29 Mar 2019 14:37

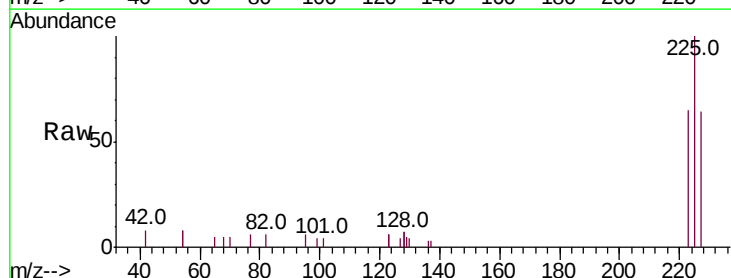
Tgt Ion:225 Resp: 2738

Ion Ratio Lower Upper

225 100

223 66.7 51.3 76.9

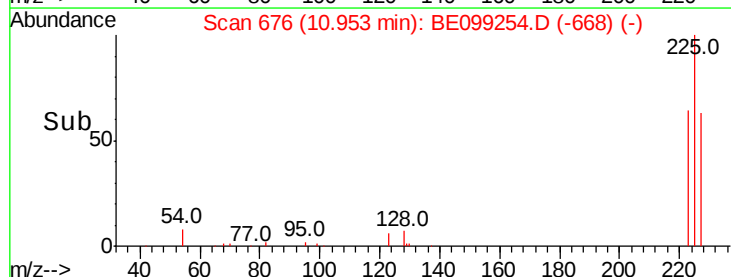
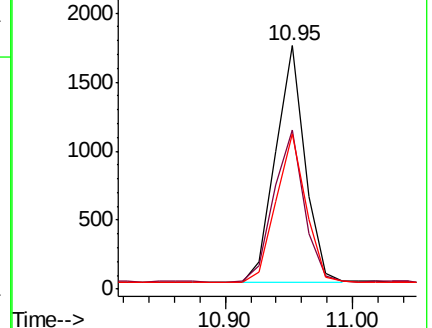
227 64.1 48.6 73.0

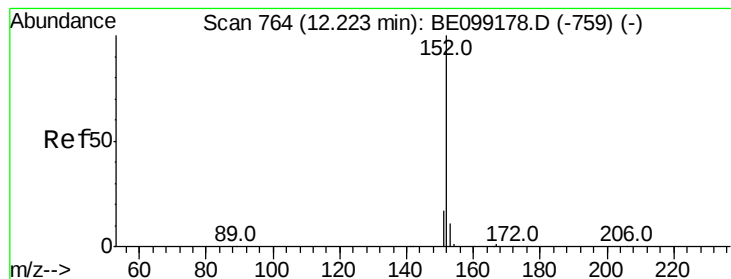


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.512 ng

RT: 12.21 min Scan# 763

Delta R.T. -0.01 min

Lab File: BE099254.D

Acq: 29 Mar 2019 14:37

Instrument :

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ClientSampleId :

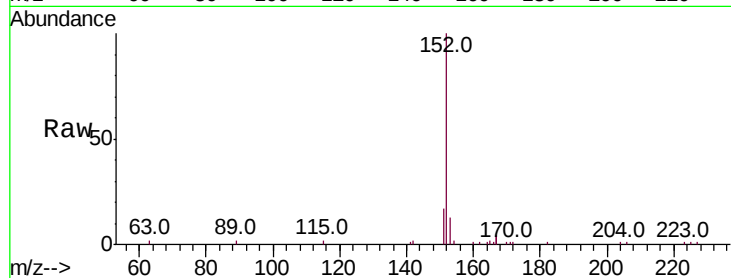
EXT-028-SW009-032519MSD

Tot Ion:152 Resp: 12131

Ion Ratio Lower Upper

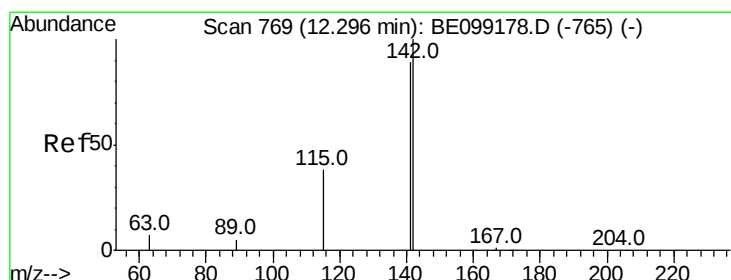
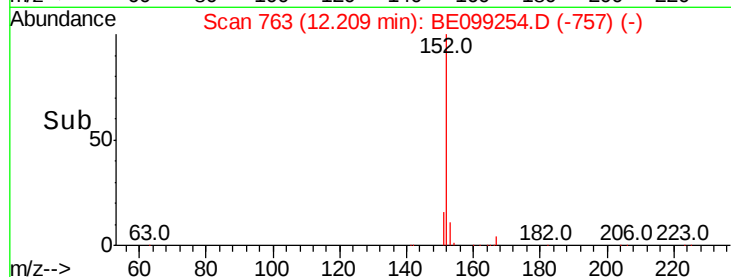
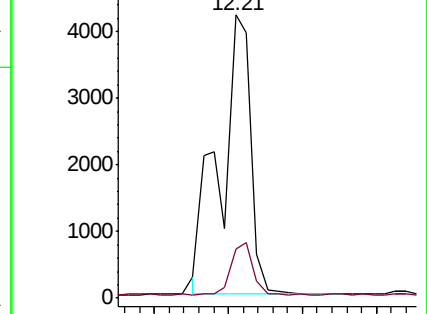
152 100

151 12.9 15.0 22.6#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.347 ng

RT: 12.30 min Scan# 769

Delta R.T. 0.00 min

Lab File: BE099254.D

Acq: 29 Mar 2019 14:37

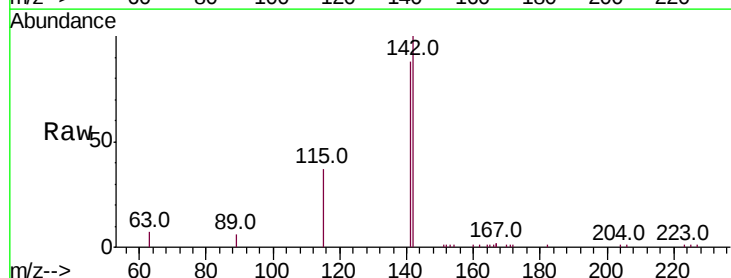
Tgt Ion:142 Resp: 8996

Ion Ratio Lower Upper

142 100

141 87.9 71.3 106.9

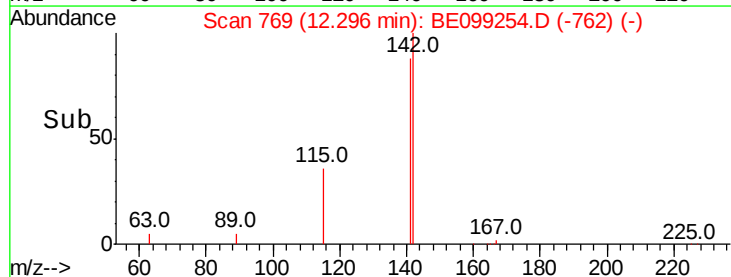
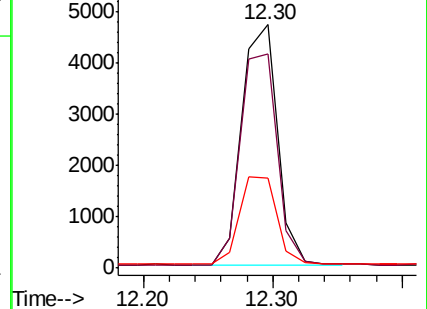
115 37.1 30.4 45.6

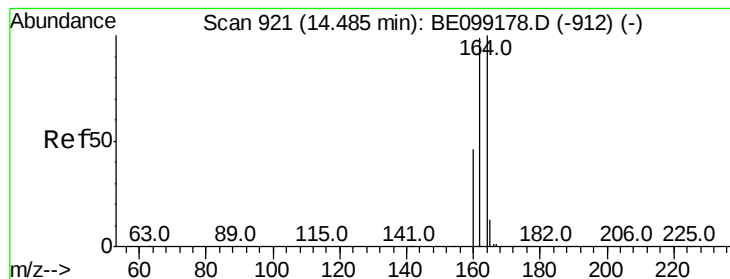


Abundance Ion 142.00 (141.70 to 142.70): E

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: BE099254.D

Acq: 29 Mar 2019 14:37

Instrument :

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ClientSampleId :

EXT-028-SW009-032519MSD

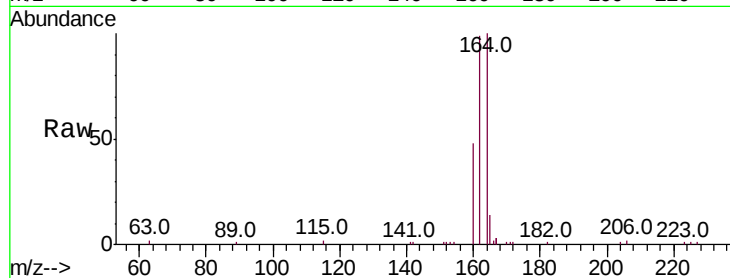
Tot Ion:164 Resp: 8700

Ion Ratio Lower Upper

164 100

162 98.9 79.2 118.8

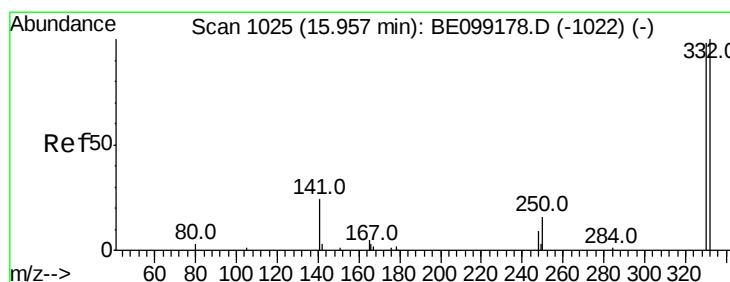
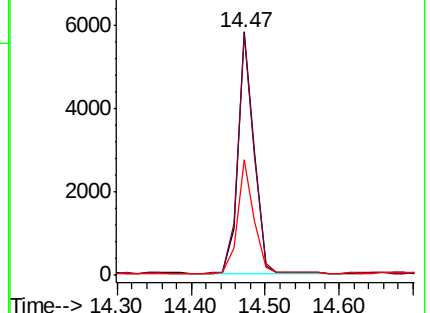
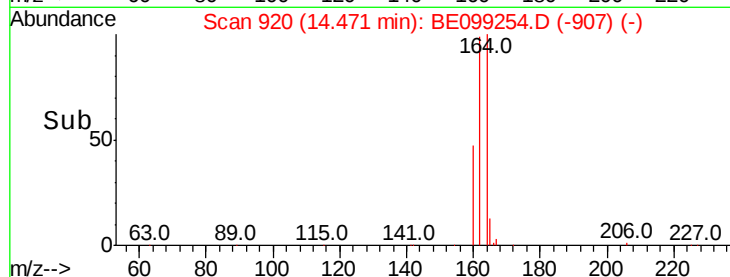
160 47.8 36.7 55.1



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: 0.510 ng

RT: 15.96 min Scan# 1025

Delta R.T. -0.00 min

Lab File: BE099254.D

Acq: 29 Mar 2019 14:37

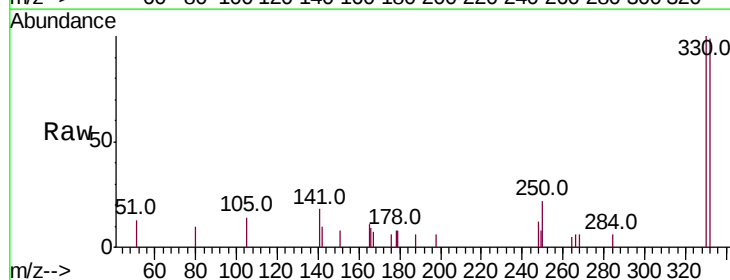
Tgt Ion:330 Resp: 1397

Ion Ratio Lower Upper

330 100

332 98.6 71.3 106.9

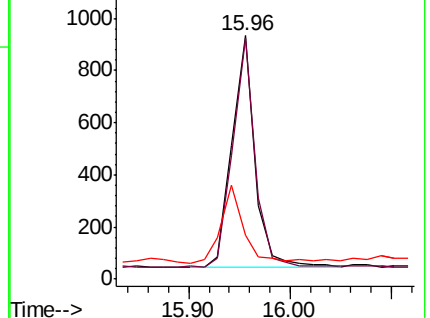
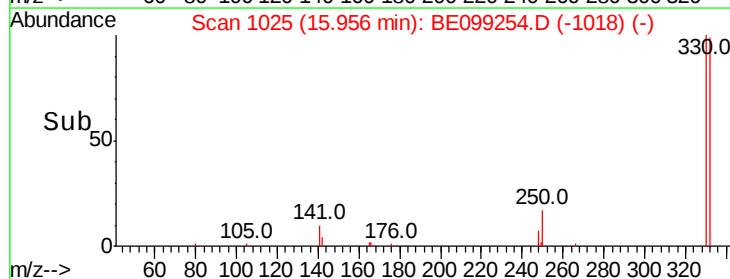
141 33.1 21.7 32.5#

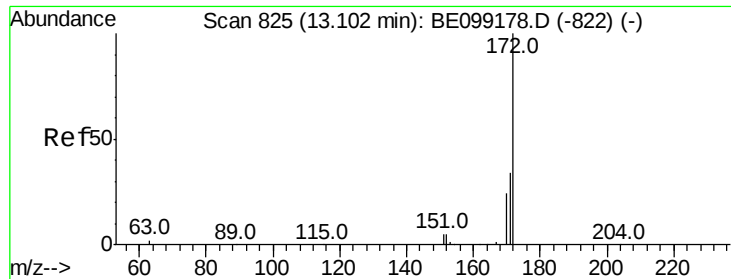


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

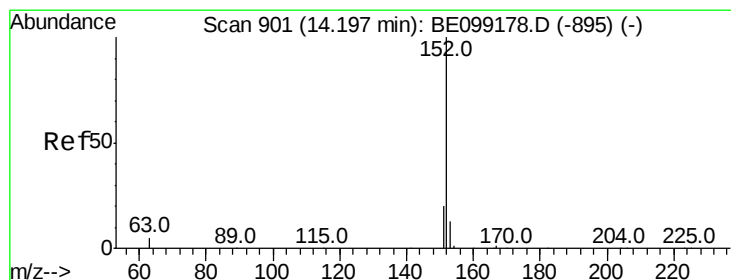
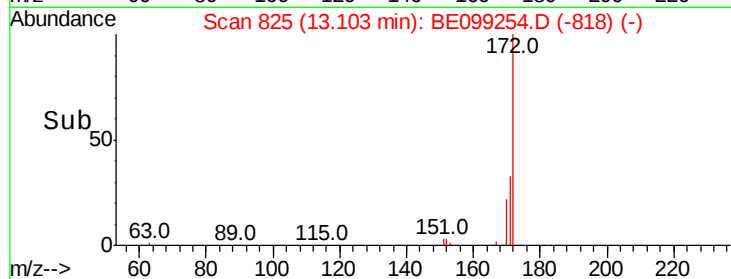
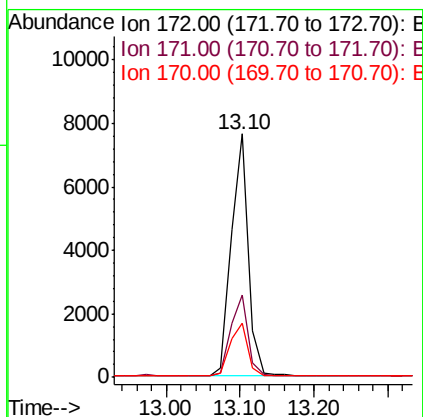
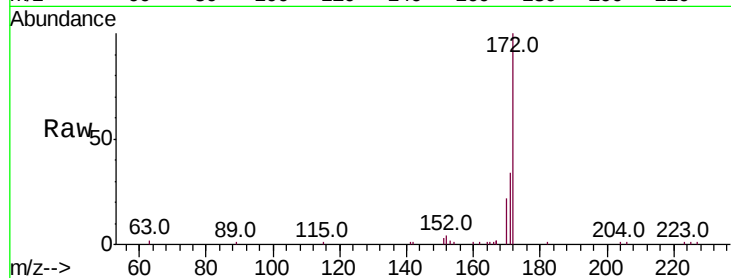




#15
2-Fluorobiphenyl
Concen: 0.344 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.00 min
Lab File: BE099254.D
Acq: 29 Mar 2019 14:37

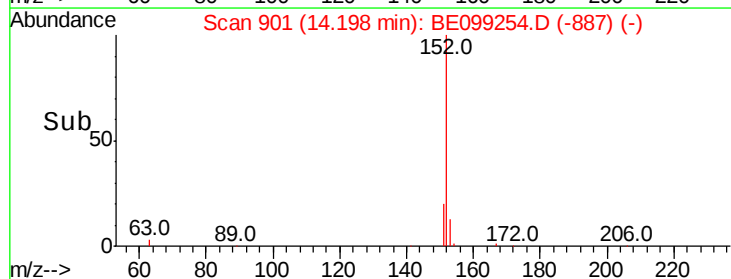
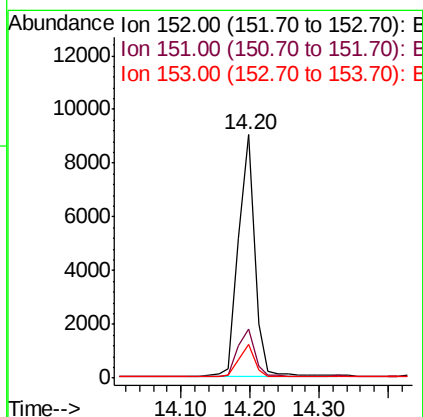
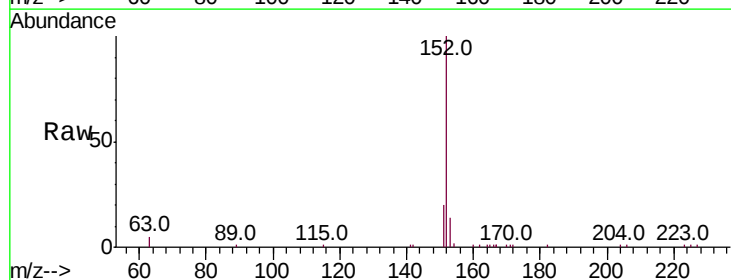
Instrument :
BNA_E
ClientSampleId :
EXT-028-SW009-032519MSD

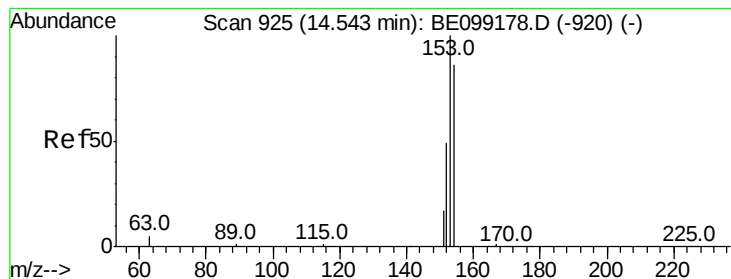
Tot Ion:172 Resp: 12185
Ion Ratio Lower Upper
172 100
171 33.6 27.4 41.0
170 22.4 19.1 28.7



#16
Acenaphthylene
Concen: 0.336 ng
RT: 14.20 min Scan# 901
Delta R.T. 0.00 min
Lab File: BE099254.D
Acq: 29 Mar 2019 14:37

Tgt Ion:152 Resp: 14914
Ion Ratio Lower Upper
152 100
151 20.3 15.7 23.5
153 13.0 10.6 15.8





#17

Acenaphthene

Concen: 0.347 ng

RT: 14.54 min Scan# 925

Delta R.T. 0.00 min

Lab File: BE099254.D

Acq: 29 Mar 2019 14:37

Instrument :

BNA_E

ClientSampleId :

EXT-028-SW009-032519MSD

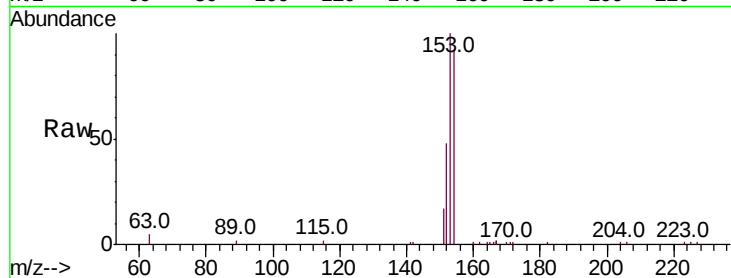
Tot Ion:154 Resp: 9194

Ion Ratio Lower Upper

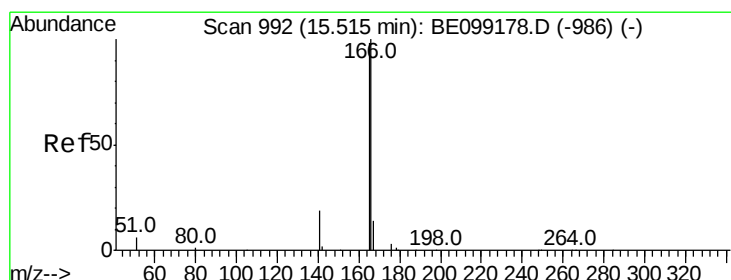
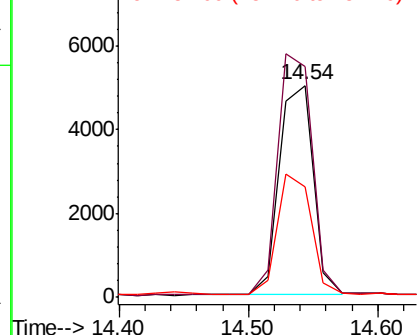
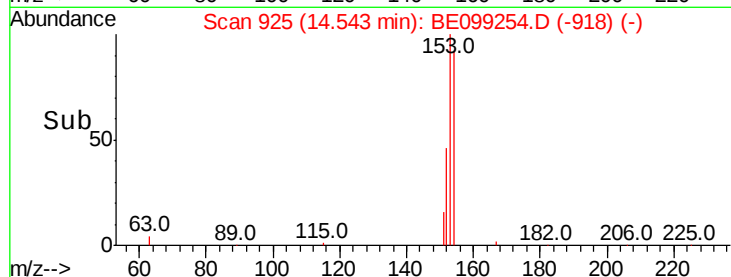
154 100

153 116.8 93.4 140.0

152 57.0 46.6 69.8



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: 0.371 ng

RT: 15.50 min Scan# 991

Delta R.T. -0.01 min

Lab File: BE099254.D

Acq: 29 Mar 2019 14:37

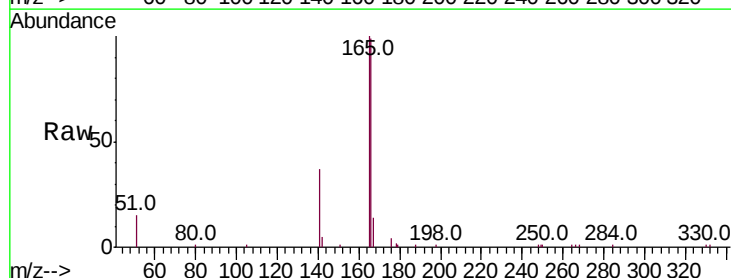
Tgt Ion:166 Resp: 13842

Ion Ratio Lower Upper

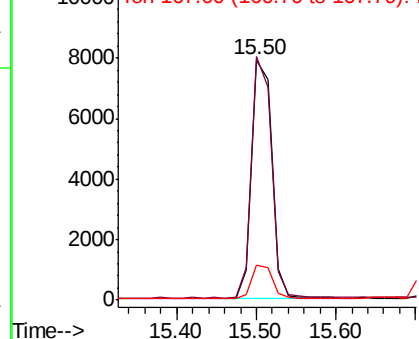
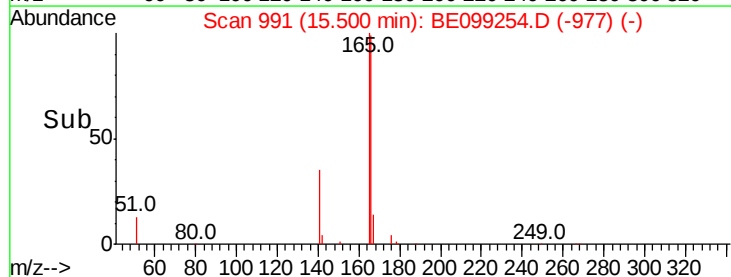
166 100

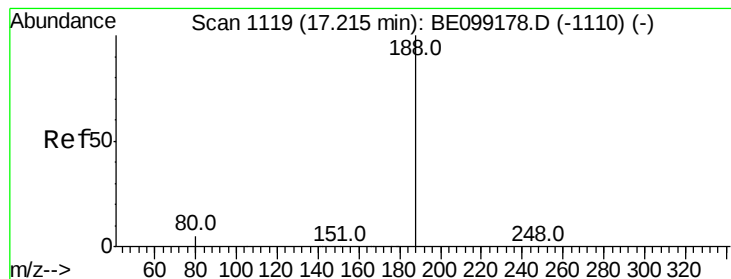
165 99.1 78.9 118.3

167 14.3 10.9 16.3



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: BE099254.D

Acq: 29 Mar 2019 14:37

Instrument :

BNA_E

ClientSampleId :

EXT-028-SW009-032519MSD

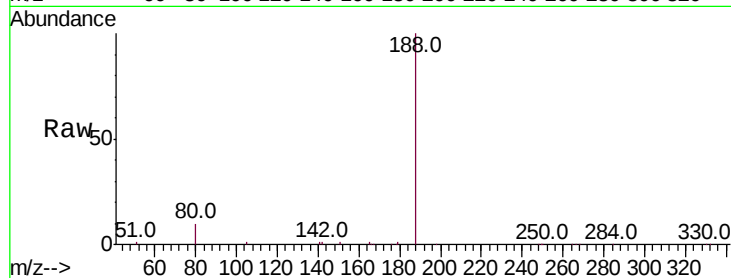
Tot Ion:188 Resp: 27911

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

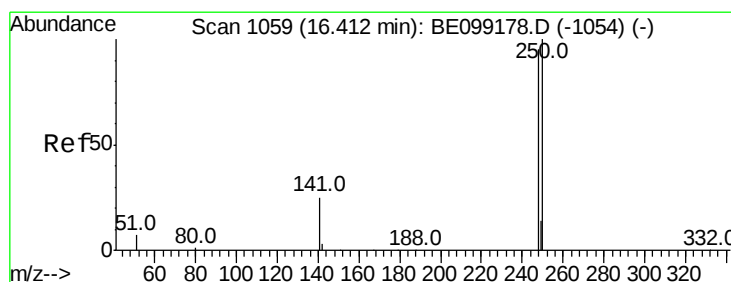
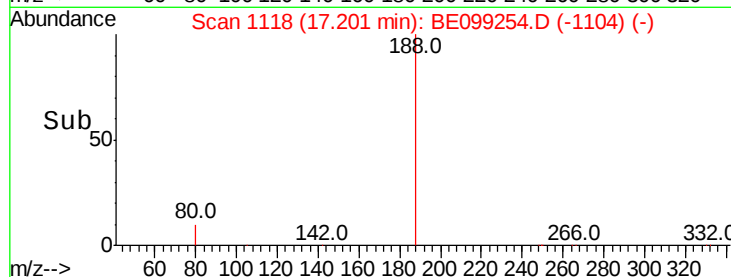
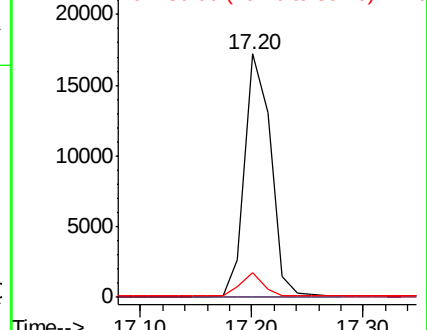
80 10.3 4.5 6.7#



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: 0.312 ng

RT: 16.40 min Scan# 1058

Delta R.T. -0.01 min

Lab File: BE099254.D

Acq: 29 Mar 2019 14:37

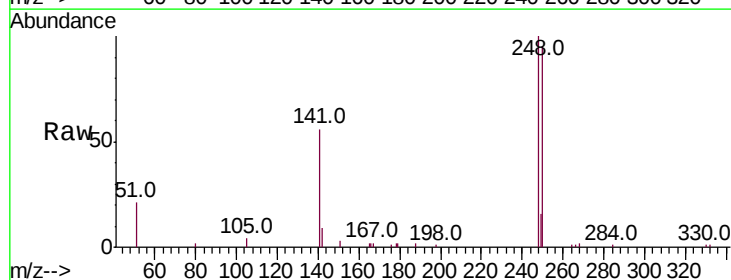
Tgt Ion:248 Resp: 5618

Ion Ratio Lower Upper

248 100

250 95.0 84.2 126.2

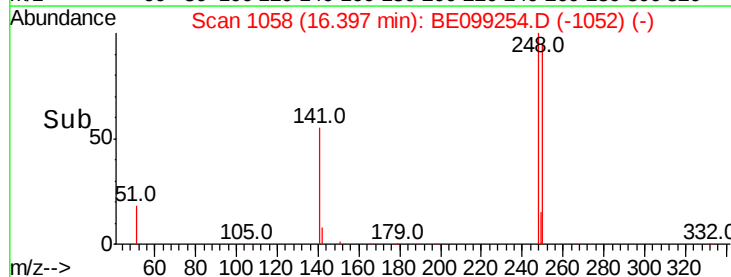
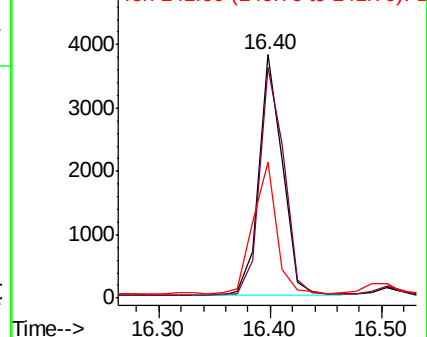
141 55.9 21.8 32.6#

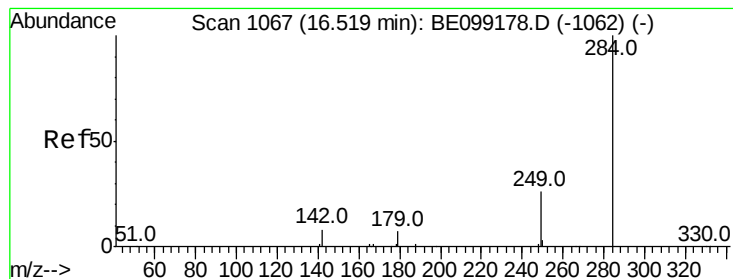


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.287 ng

RT: 16.50 min Scan# 1066

Delta R.T. -0.01 min

Lab File: BE099254.D

Acq: 29 Mar 2019 14:37

Instrument :

BNA_E

ClientSampleId :

EXT-028-SW009-032519MSD

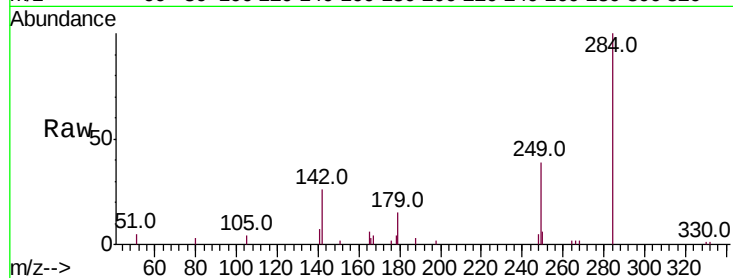
Tot Ion:284 Resp: 4992

Ion Ratio Lower Upper

284 100

142 28.6 22.7 34.1

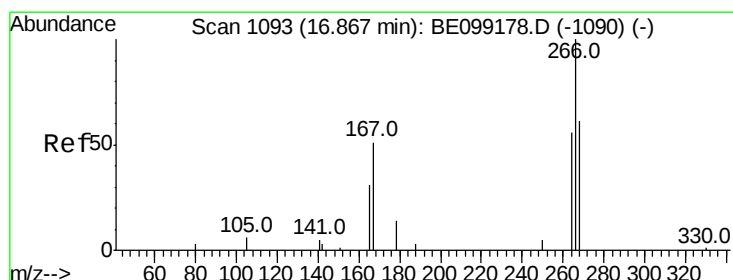
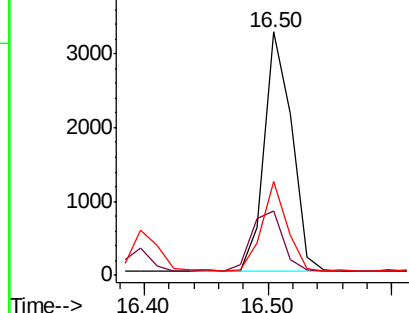
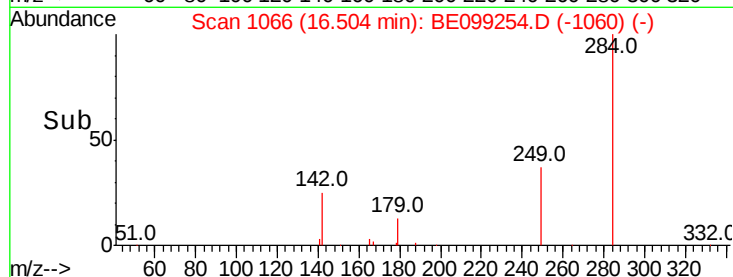
249 34.2 26.9 40.3



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: 1.323 ng

RT: 16.85 min Scan# 1092

Delta R.T. -0.01 min

Lab File: BE099254.D

Acq: 29 Mar 2019 14:37

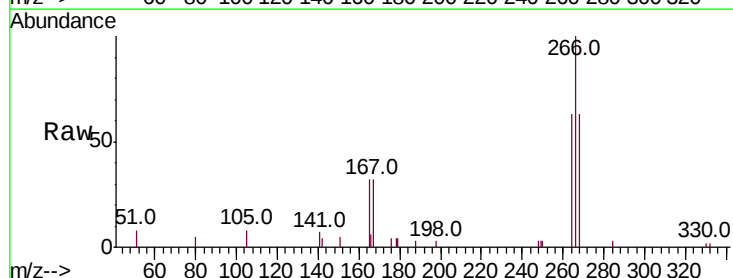
Tgt Ion:266 Resp: 3173

Ion Ratio Lower Upper

266 100

264 63.2 54.4 81.6

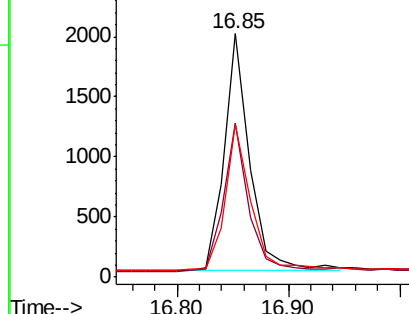
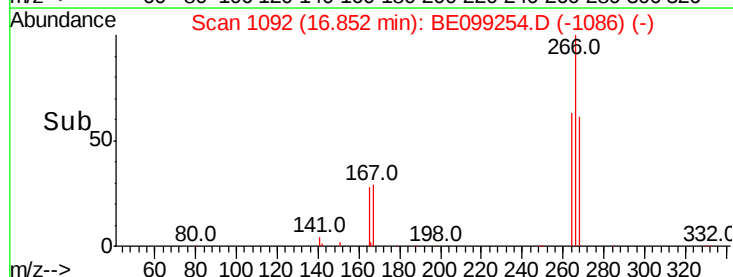
268 62.5 61.3 91.9

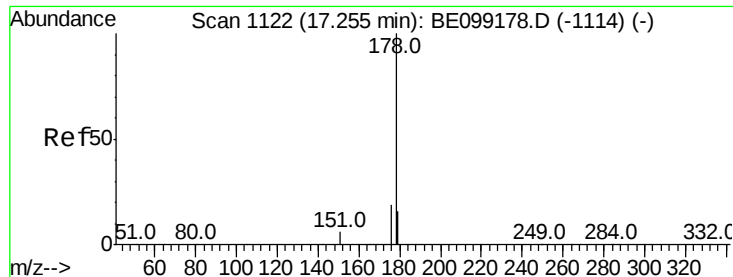


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

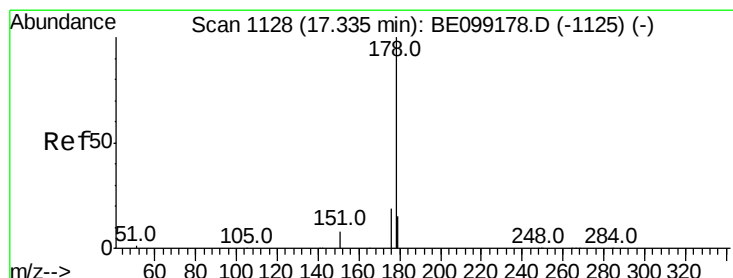
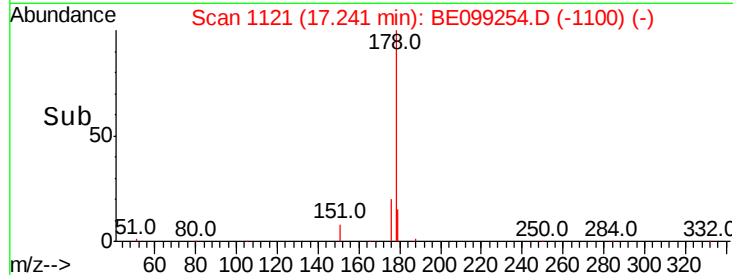
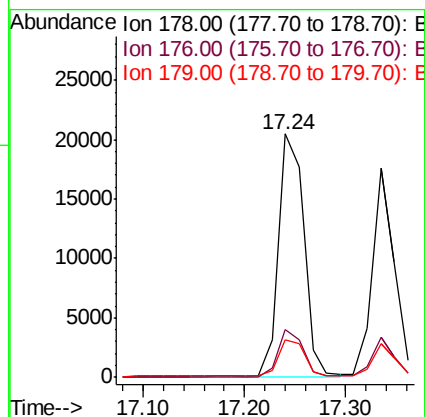
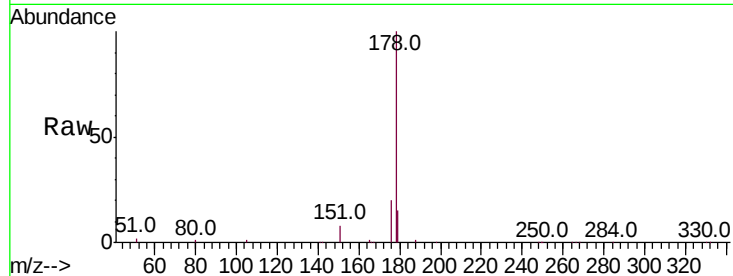




#23
Phenanthrene
Concen: 0.430 ng
RT: 17.24 min Scan# 1121
Delta R.T. -0.01 min
Lab File: BE099254.D
Acq: 29 Mar 2019 14:37

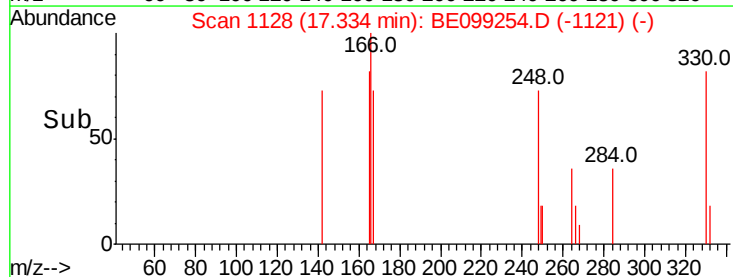
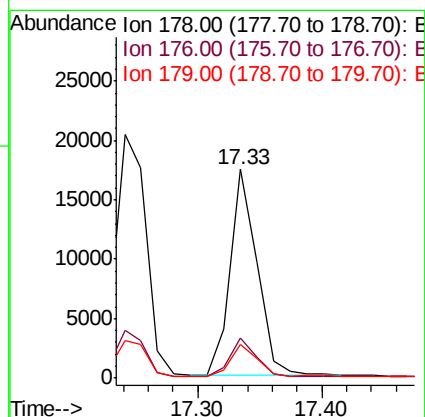
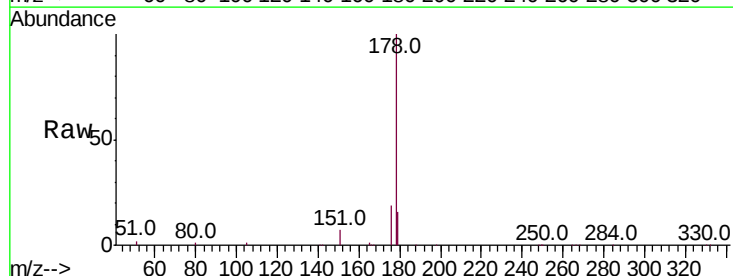
Instrument :
BNA_E
ClientSampleId :
EXT-028-SW009-032519MSD

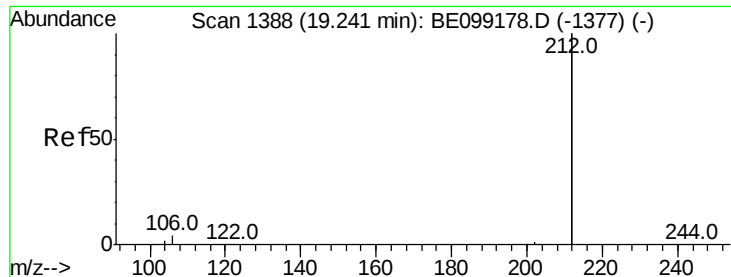
Tot Ion:178 Resp: 35224
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 15.4 12.3 18.5



#24
Anthracene
Concen: 0.353 ng
RT: 17.33 min Scan# 1128
Delta R.T. -0.00 min
Lab File: BE099254.D
Acq: 29 Mar 2019 14:37

Tgt Ion:178 Resp: 26179
Ion Ratio Lower Upper
178 100
176 18.9 15.1 22.7
179 15.7 12.4 18.6





#25

Fluoranthene-d10

Concen: 0.396 ng

RT: 19.24 min Scan# 1387

Delta R.T. -0.01 min

Lab File: BE099254.D

Acq: 29 Mar 2019 14:37

Instrument :

BNA_E

ClientSampleId :

EXT-028-SW009-032519MSD

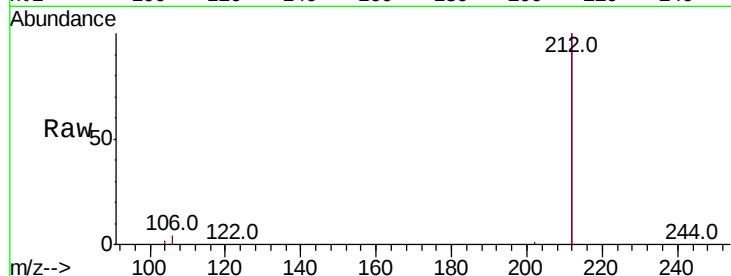
Tot Ion:212 Resp: 133975

Ion Ratio Lower Upper

212 100

106 2.3 1.8 2.8

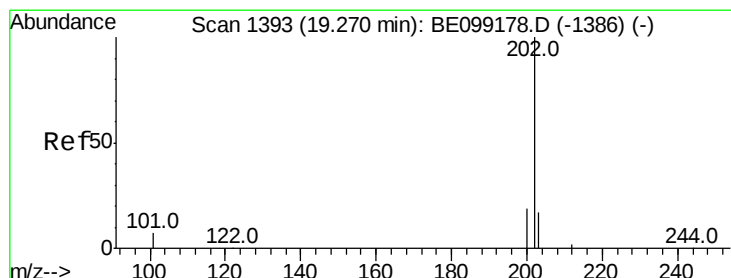
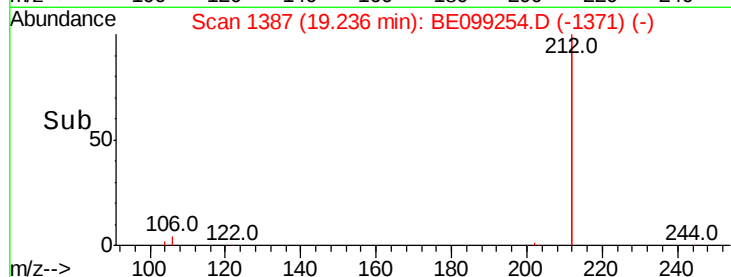
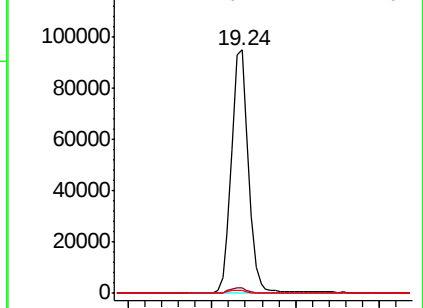
104 1.3 1.1 1.7



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: 0.524 ng

RT: 19.26 min Scan# 1392

Delta R.T. -0.01 min

Lab File: BE099254.D

Acq: 29 Mar 2019 14:37

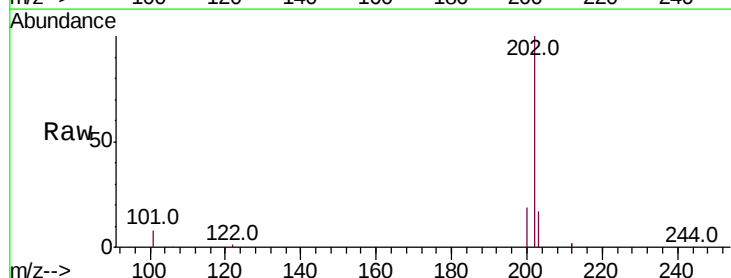
Tgt Ion:202 Resp: 54797

Ion Ratio Lower Upper

202 100

101 8.4 7.0 10.4

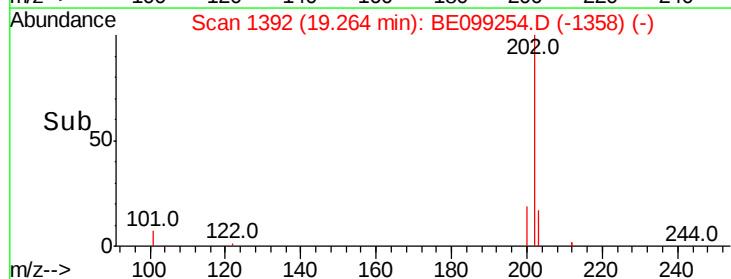
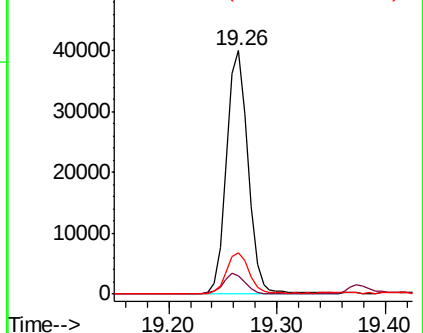
203 17.1 13.8 20.6

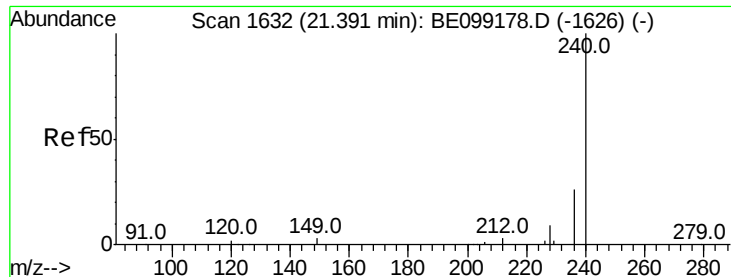


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE099254.D

Acq: 29 Mar 2019 14:37

Instrument :

BNA_E

ClientSampleId :

EXT-028-SW009-032519MSD

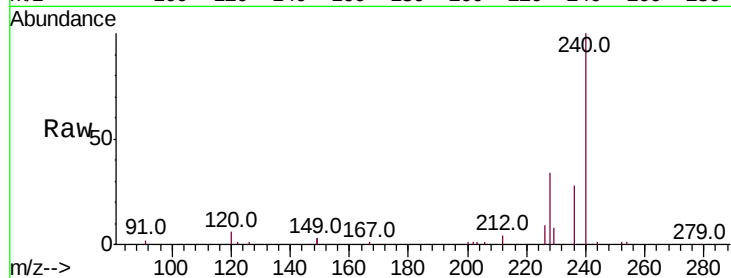
Tot Ion:240 Resp: 35524

Ion Ratio Lower Upper

240 100

120 5.8 2.6 3.8#

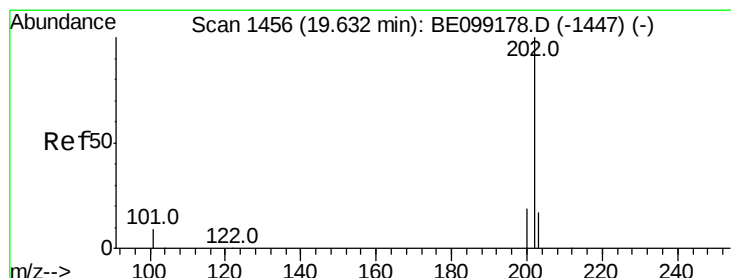
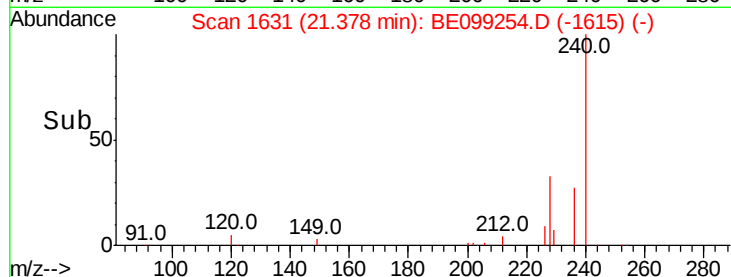
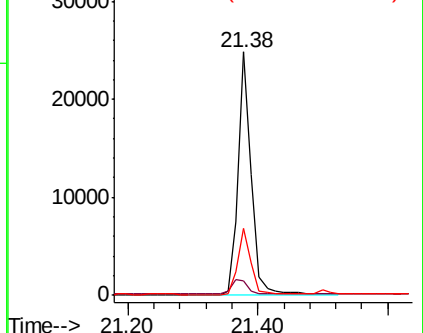
236 27.7 20.9 31.3



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: 0.465 ng

RT: 19.63 min Scan# 1455

Delta R.T. -0.01 min

Lab File: BE099254.D

Acq: 29 Mar 2019 14:37

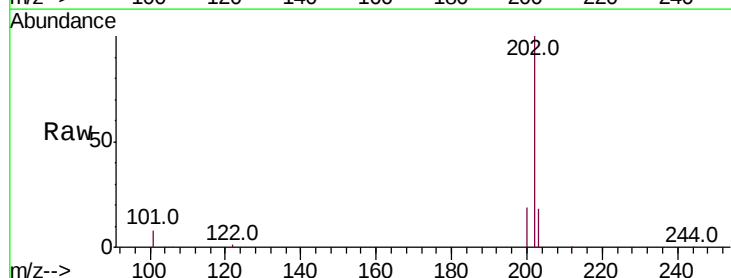
Tgt Ion:202 Resp: 54886

Ion Ratio Lower Upper

202 100

200 19.7 15.8 23.8

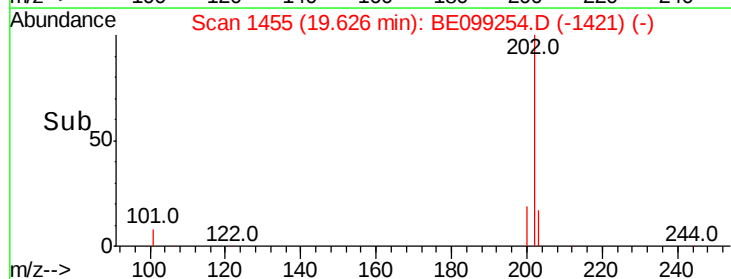
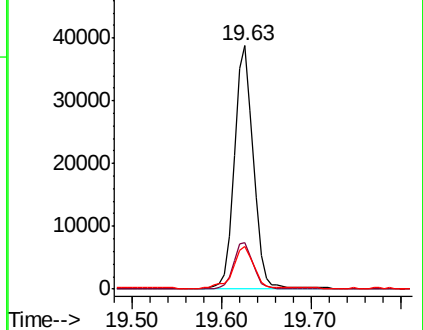
203 18.6 14.1 21.1

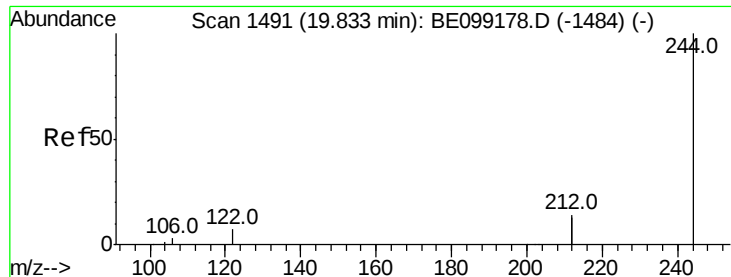


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.290 ng

RT: 19.83 min Scan# 1490

Delta R.T. -0.01 min

Lab File: BE099254.D

Acq: 29 Mar 2019 14:37

Instrument :

BNA_E

ClientSampleId :

EXT-028-SW009-032519MSD

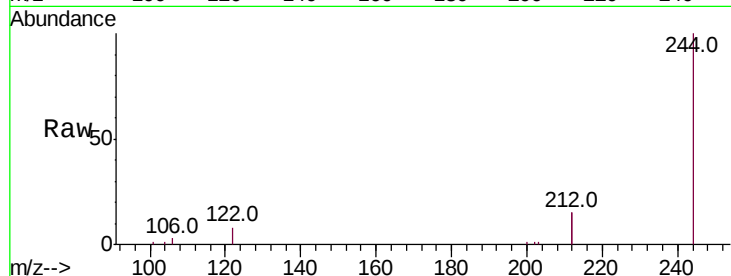
Tot Ion:244 Resp: 22372

Ion Ratio Lower Upper

244 100

212 30.8 22.7 34.1

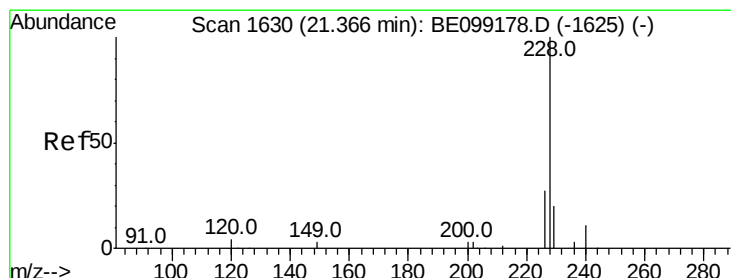
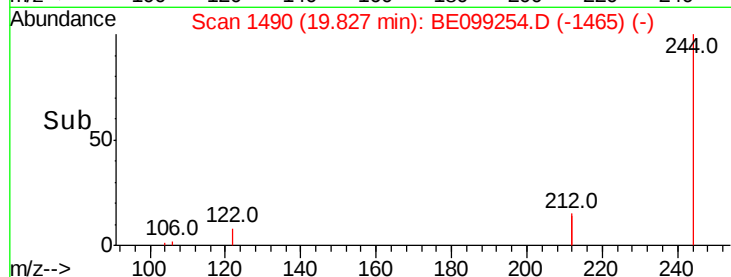
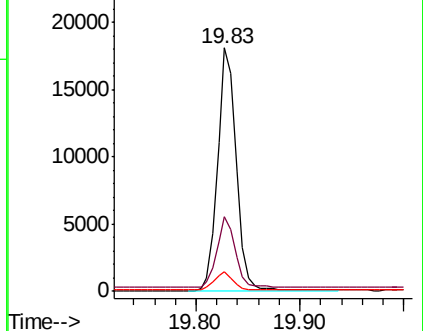
122 8.2 5.8 8.6



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: 0.420 ng

RT: 21.37 min Scan# 1630

Delta R.T. -0.00 min

Lab File: BE099254.D

Acq: 29 Mar 2019 14:37

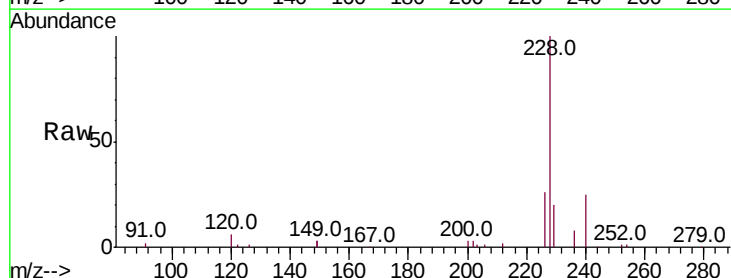
Tgt Ion:228 Resp: 49188

Ion Ratio Lower Upper

228 100

226 26.2 21.7 32.5

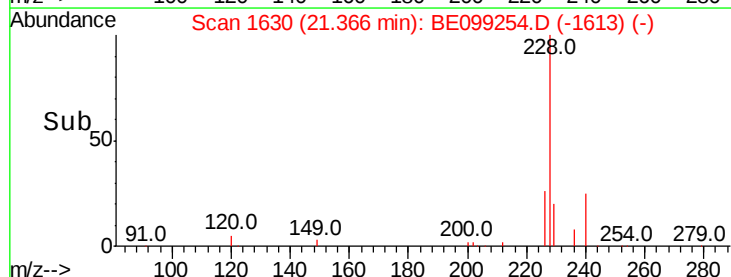
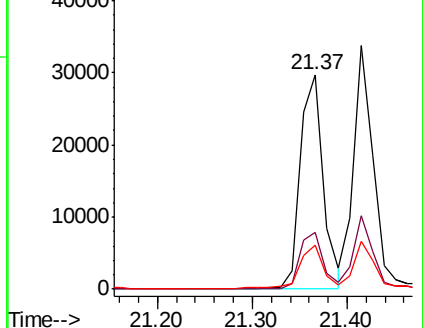
229 20.5 15.9 23.9

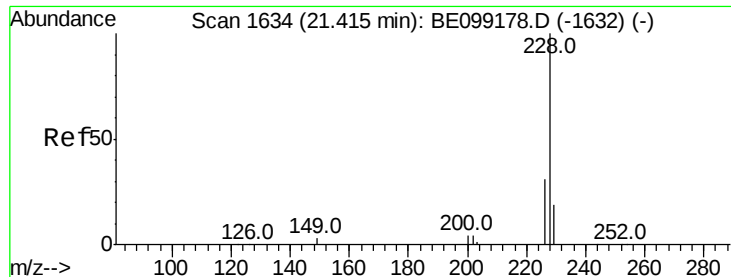


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.378 ng

RT: 21.41 min Scan# 1634

Delta R.T. -0.00 min

Lab File: BE099254.D

Acq: 29 Mar 2019 14:37

Instrument :

BNA_E

ClientSampleId :

EXT-028-SW009-032519MSD

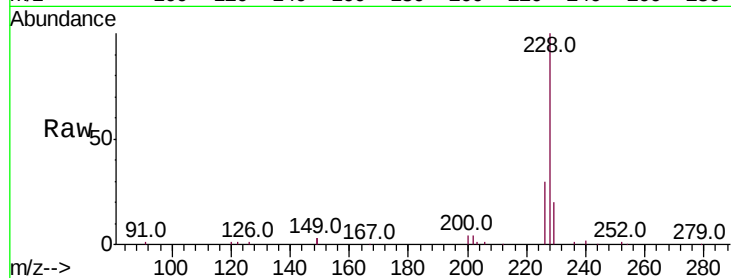
Tot Ion:228 Resp: 47397

Ion Ratio Lower Upper

228 100

226 30.0 24.8 37.2

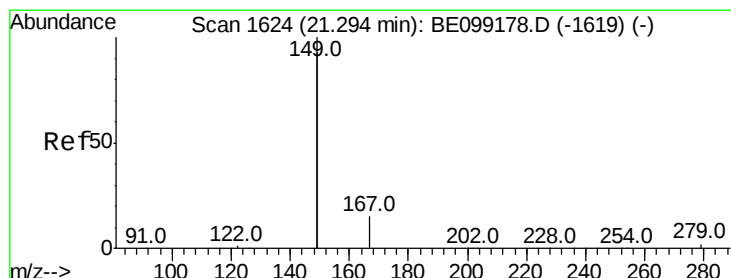
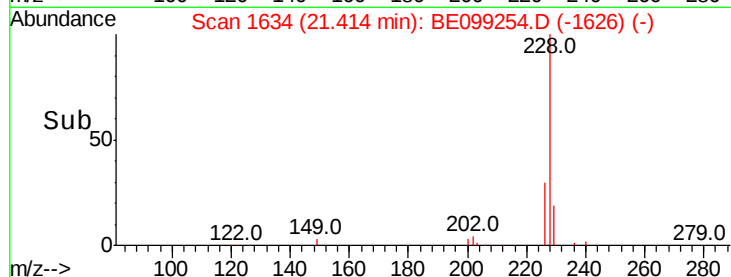
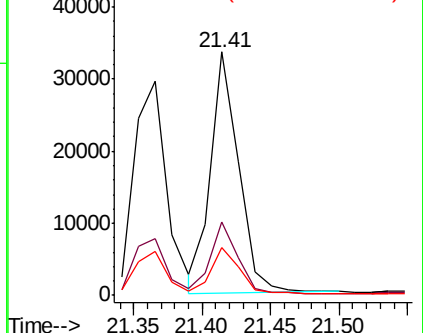
229 19.6 15.4 23.0



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.505 ng

RT: 21.28 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BE099254.D

Acq: 29 Mar 2019 14:37

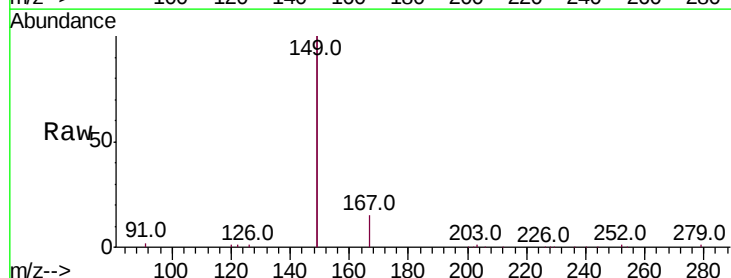
Tgt Ion:149 Resp: 70612

Ion Ratio Lower Upper

149 100

167 7.4 5.9 8.9

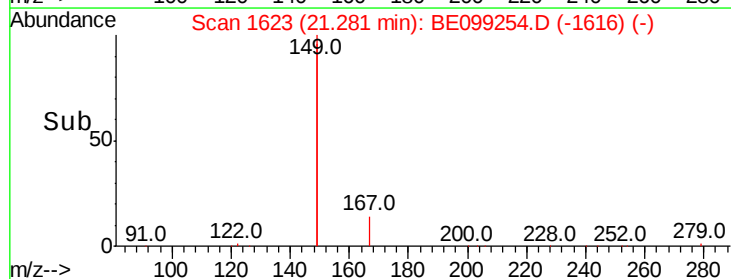
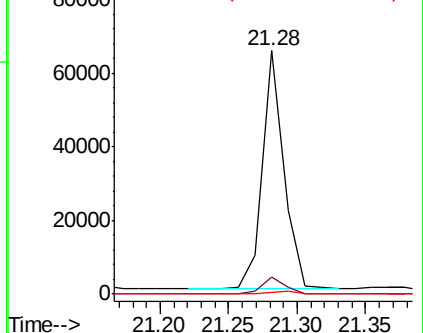
279 1.1 1.0 1.6

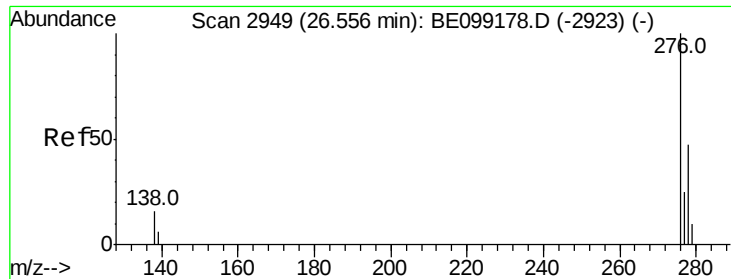


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.287 ng

RT: 26.55 min Scan# 2947

Delta R.T. -0.01 min

Lab File: BE099254.D

Acq: 29 Mar 2019 14:37

Instrument :

BNA_E

ClientSampleId :

EXT-028-SW009-032519MSD

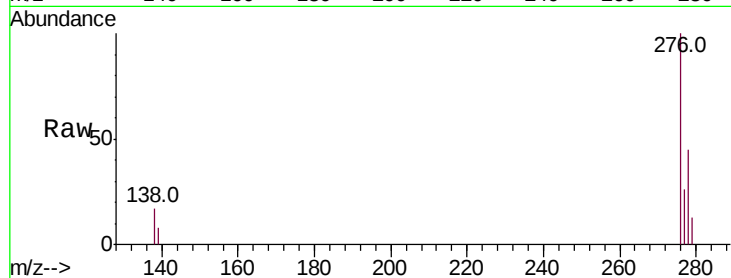
Tot Ion:276 Resp: 34024

Ion Ratio Lower Upper

276 100

138 6.8 12.9 19.3#

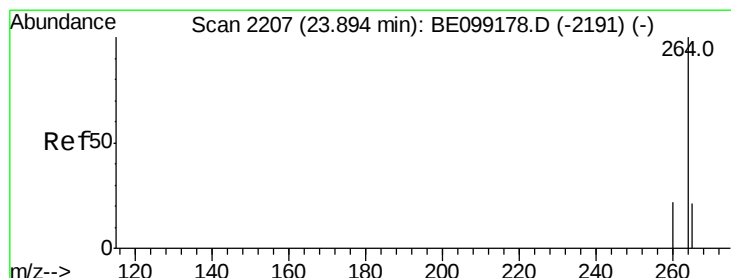
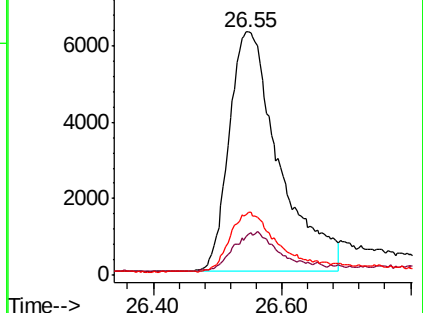
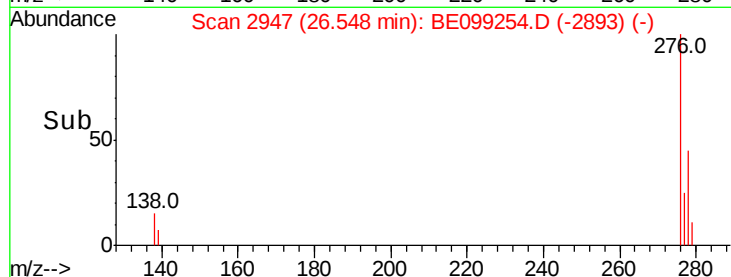
277 23.4 18.3 27.5



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: 23.89 min Scan# 2206

Delta R.T. -0.00 min

Lab File: BE099254.D

Acq: 29 Mar 2019 14:37

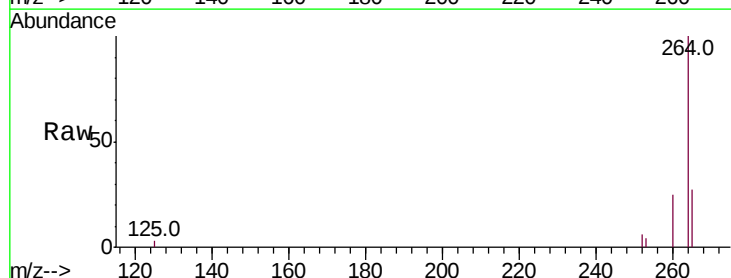
Tgt Ion:264 Resp: 34139

Ion Ratio Lower Upper

264 100

260 24.8 18.2 27.2

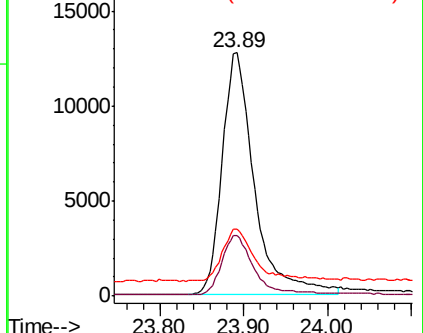
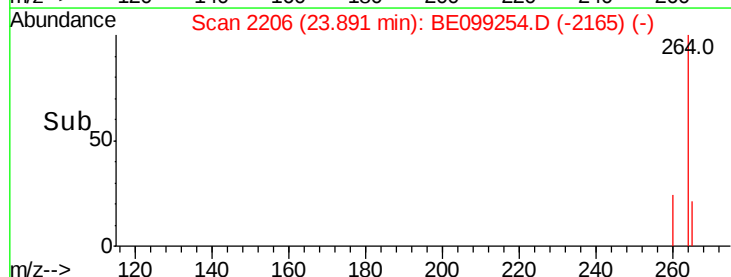
265 27.5 21.8 32.8

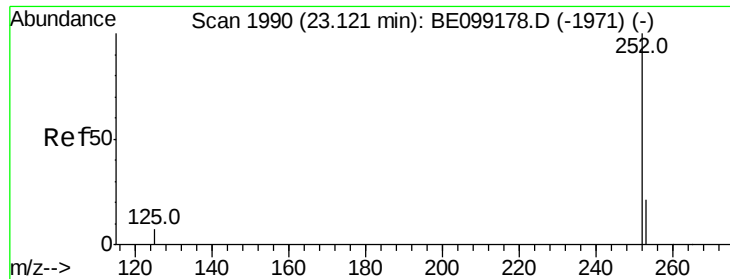


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.381 ng

RT: 23.16 min Scan# 2002

Delta R.T. 0.04 min

Lab File: BE099254.D

Acq: 29 Mar 2019 14:37

Instrument :

BNA_E

ClientSampleId :

EXT-028-SW009-032519MSD

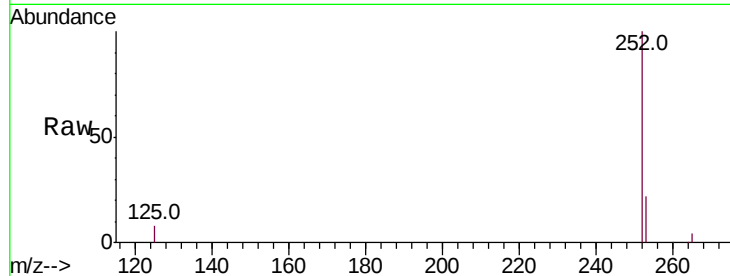
Tot Ion:252 Resp: 42798

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.8

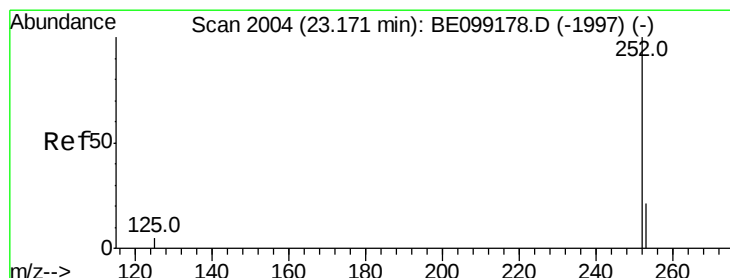
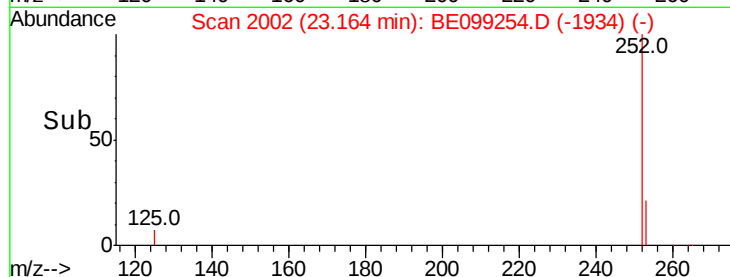
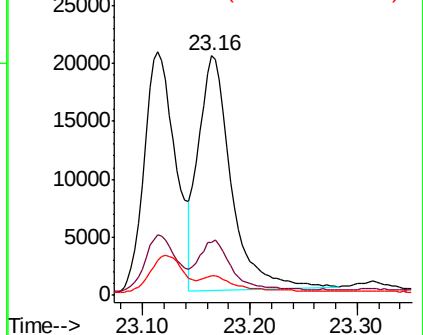
125 8.1 6.1 9.1



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



#36

Benzo(k)fluoranthene

Concen: 0.360 ng

RT: 23.16 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BE099254.D

Acq: 29 Mar 2019 14:37

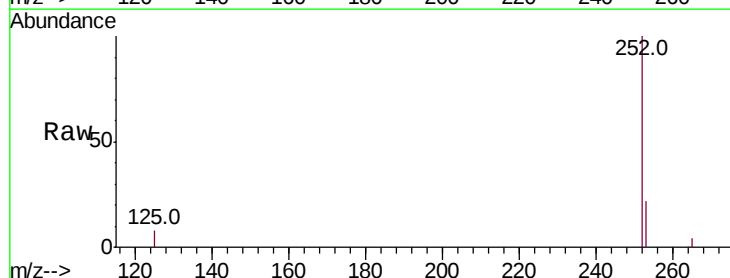
Tgt Ion:252 Resp: 42798

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.6

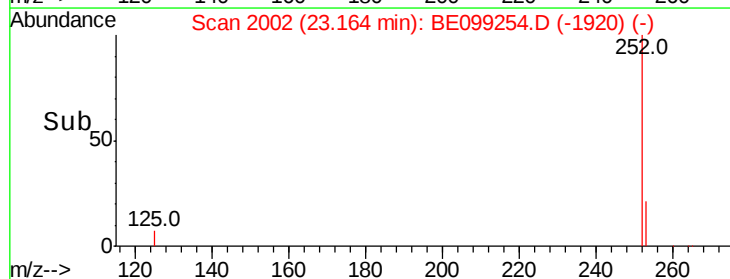
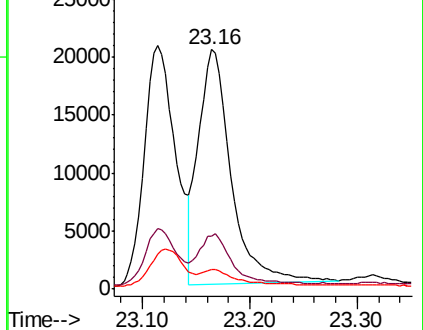
125 8.1 5.9 8.9

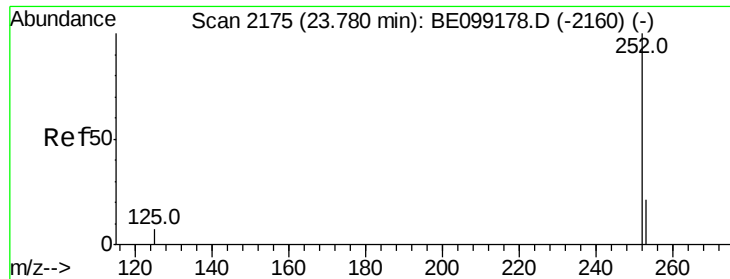


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

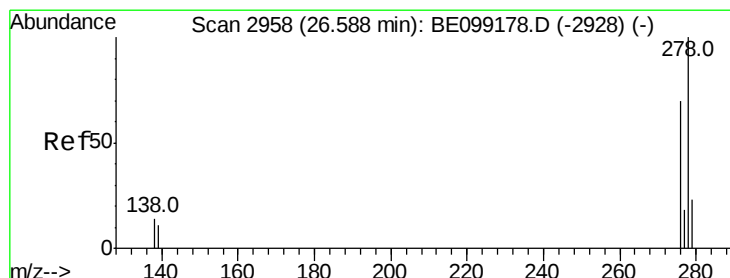
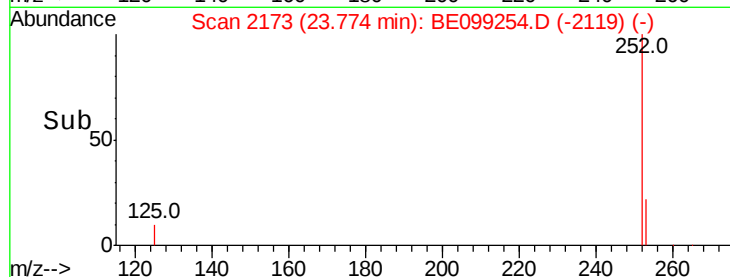
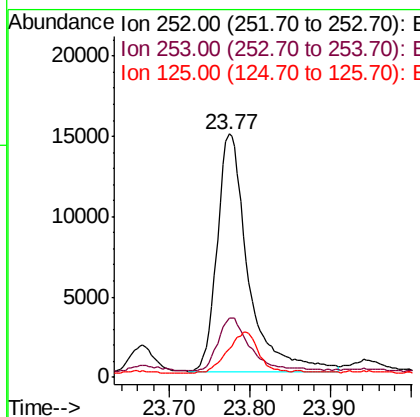
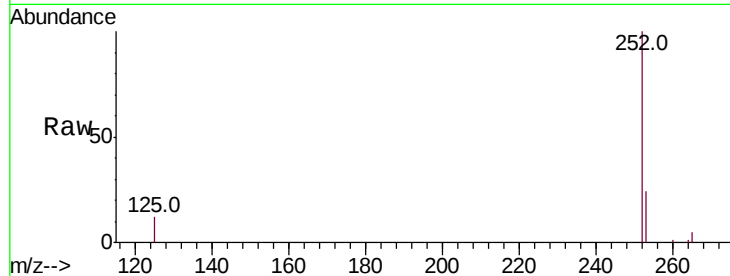




#37
Benzo(a)pyrene
Concen: 0.377 ng
RT: 23.77 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BE099254.D
Acq: 29 Mar 2019 14:37

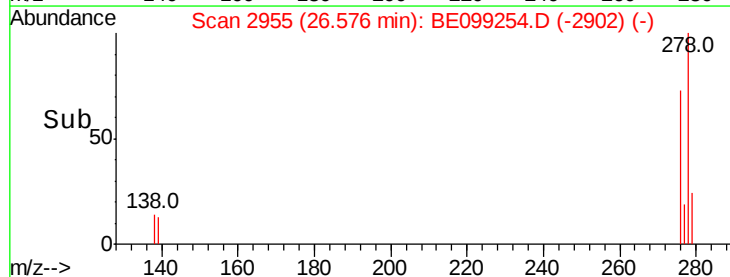
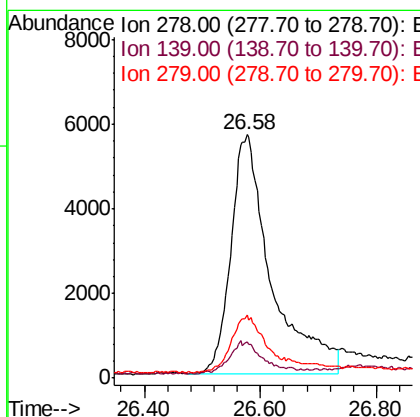
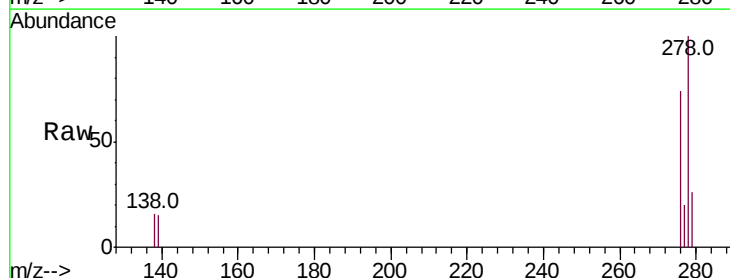
Instrument :
BNA_E
ClientSampleId :
EXT-028-SW009-032519MSD

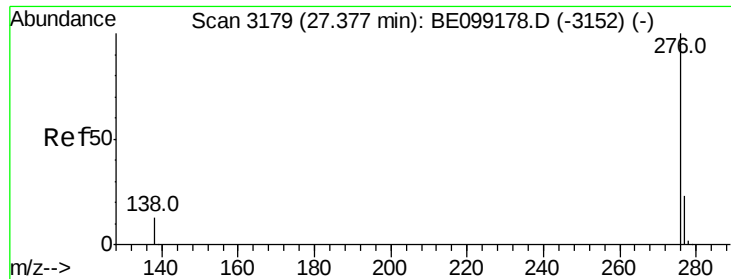
Tot Ion:252 Resp: 39529
Ion Ratio Lower Upper
252 100
253 24.1 18.1 27.1
125 11.5 6.8 10.2#



#38
Dibenzo(a,h)anthracene
Concen: 0.294 ng
RT: 26.58 min Scan# 2955
Delta R.T. -0.01 min
Lab File: BE099254.D
Acq: 29 Mar 2019 14:37

Tgt Ion:278 Resp: 27357
Ion Ratio Lower Upper
278 100
139 14.8 9.5 14.3#
279 25.9 19.1 28.7





#39

Benzo(a,h,i)perylene

Concen: 0.325 ng

RT: 27.37 min Scan# 3177

Delta R.T. -0.01 min

Lab File: BE099254.D

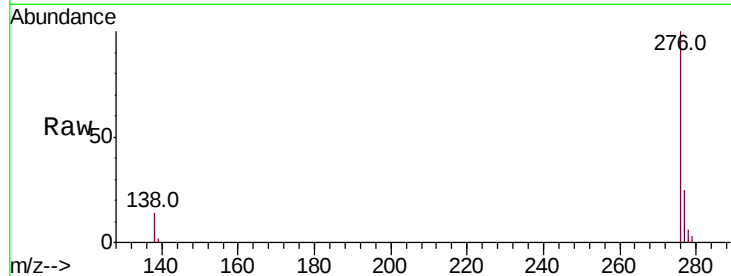
Acq: 29 Mar 2019 14:37

Instrument :

BNA_E

ClientSampleId :

EXT-028-SW009-032519MSD



Tot Ion:276 Resp: 30340

Ion Ratio Lower Upper

276 100

277 25.0 19.0 28.4

138 14.5 11.1 16.7

