

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052819\
 Data File : BE099759.D
 Acq On : 28 May 2019 16:29
 Operator : JU/SJ
 Sample : K3037-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 28 17:19:25 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE052019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 20 19:29:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	1208	0.40	ng	-0.02
7) Naphthalene-d8	10.60	136	4253	0.40	ng	-0.01
13) Acenaphthene-d10	14.47	164	3210	0.40	ng	-0.02
19) Phenanthrene-d10	17.21	188	10299	0.40	ng	-0.01
27) Chrysene-d12	21.40	240	15205	0.40	ng	-0.01
34) Perylene-d12	23.94	264	17928	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.37	112	694	0.23	ng	0.00
5) Phenol-d6	6.97	99	580	0.14	ng	0.00
8) Nitrobenzene-d5	8.96	82	1558	0.42	ng	-0.01
11) 2-Methylnaphthalene-d10	12.21	152	3048	0.42	ng	-0.02
14) 2,4,6-Tribromophenol	15.97	330	1123	0.58	ng	-0.01
15) 2-Fluorobiphenyl	13.10	172	6581	0.54	ng	0.00
25) Fluoranthene-d10	19.25	212	65496	0.47	ng	-0.01
29) Terphenyl-d14	19.85	244	21638	0.80	ng	-0.02

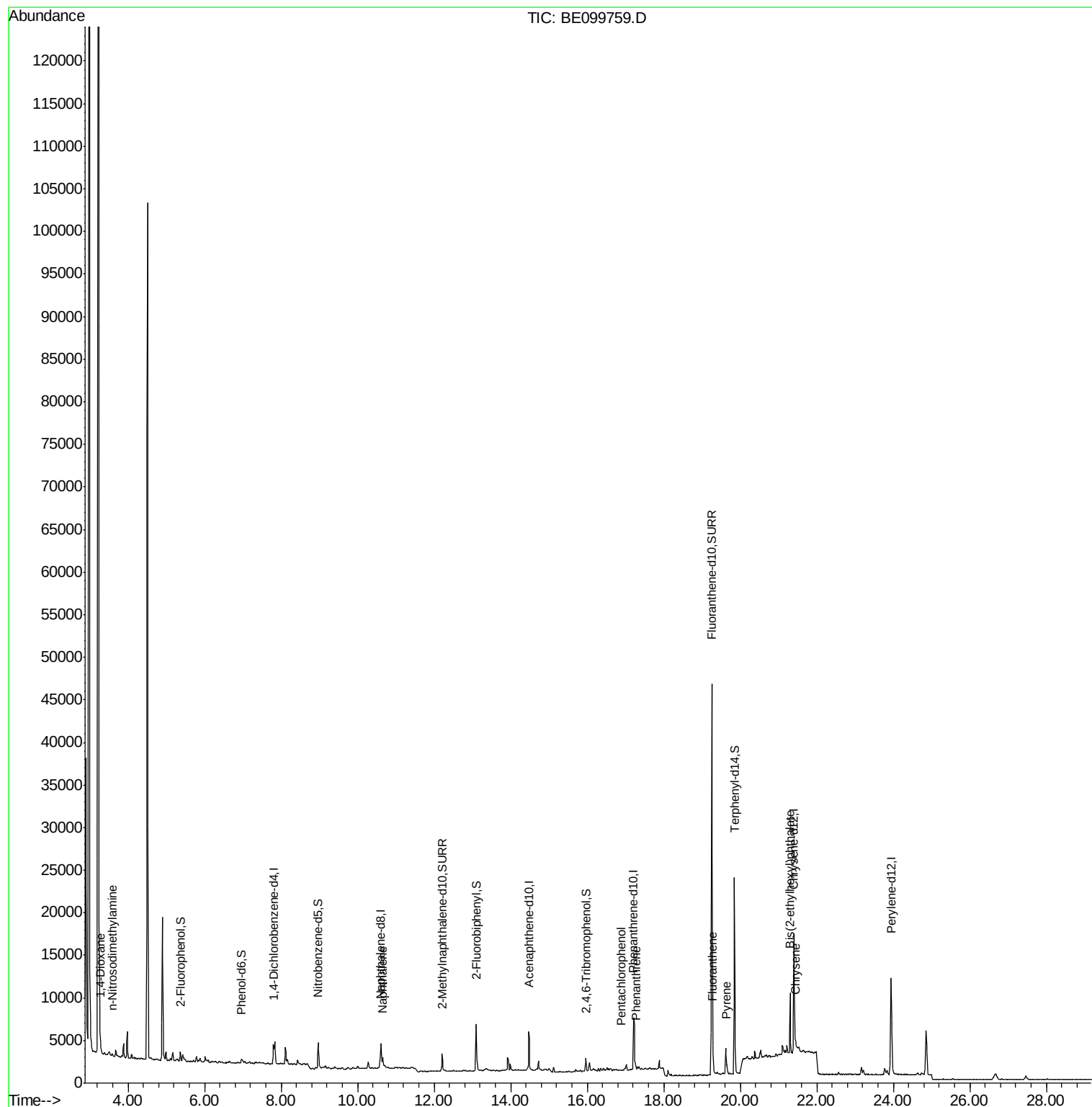
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.28	88	121	0.068	ng	# 1
3) n-Nitrosodimethylamine	3.59	42	44	0.045	ng	# 1
9) Naphthalene	10.65	128	1967	0.043	ng	# 84
22) Pentachlorophenol	16.88	266	22	0.193	ng	# 75
23) Phenanthrene	17.27	178	575	0.023	ng	# 93
26) Fluoranthene	19.29	202	1335	0.034	ng	# 87
28) Pyrene	19.65	202	1032	0.027	ng	# 94
31) Chrysene	21.44	228	955	0.021	ng	# 70
32) Bis(2-ethylhexyl)phthalate	21.31	149	7404	0.149	ng	# 99

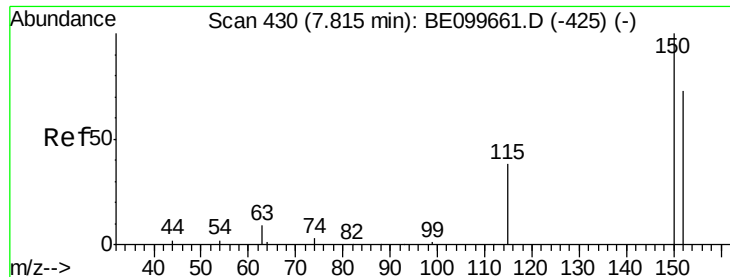
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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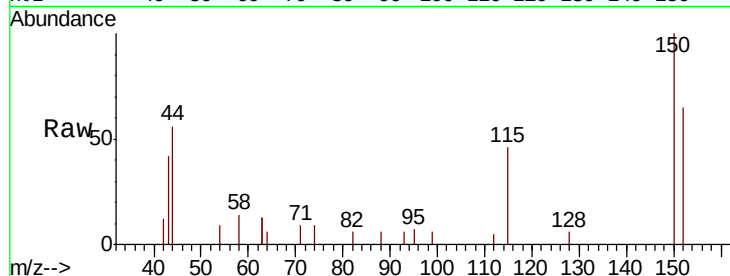


#1

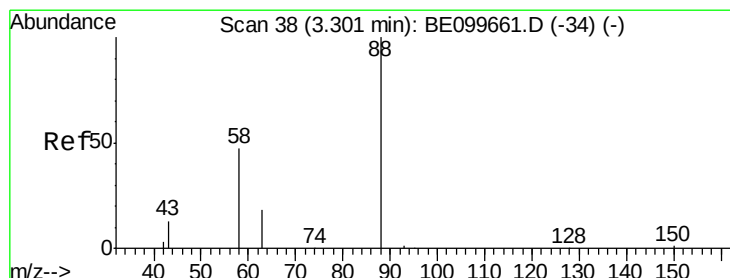
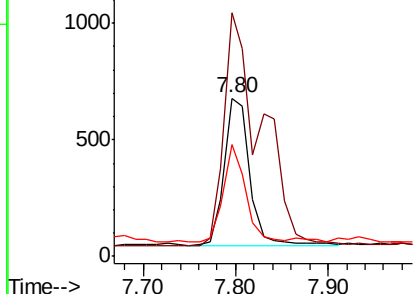
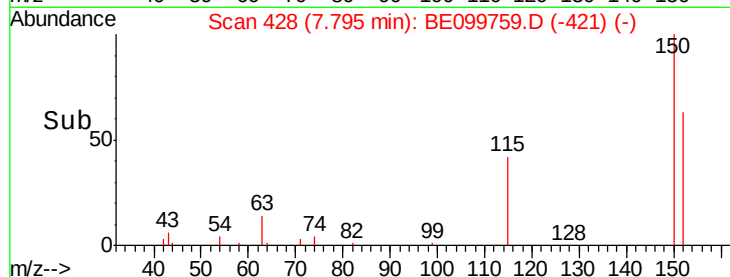
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 428
Delta R.T. -0.02 min
Lab File: BE099759.D
Acq: 28 May 2019 16:29

Instrument :
BNA_E
ClientSampled :

Tot Ion:152 Resp: 1208
Ion Ratio Lower Upper
152 100
150 154.0 109.2 163.8
115 70.8 43.7 65.5#



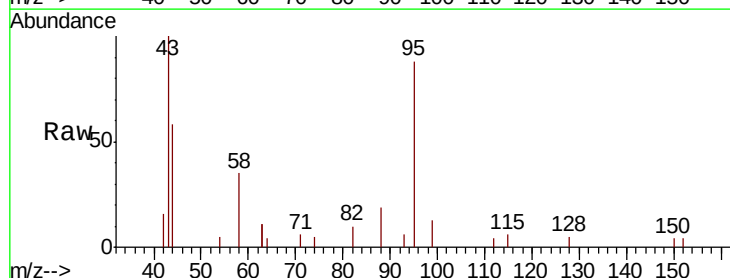
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



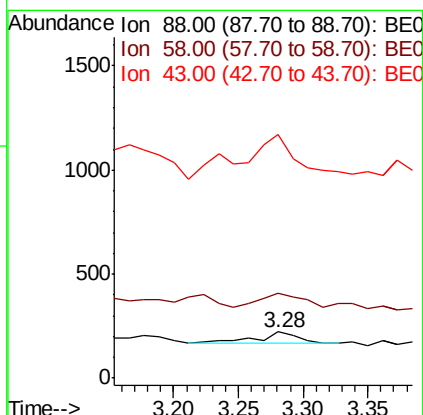
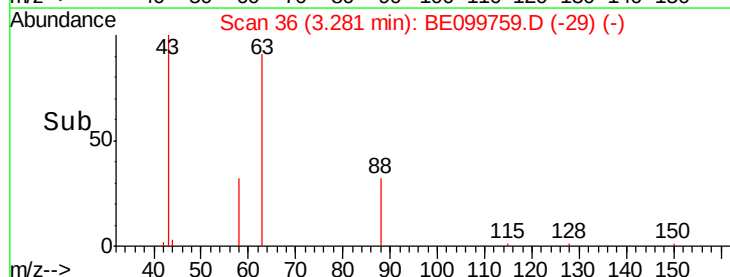
#2

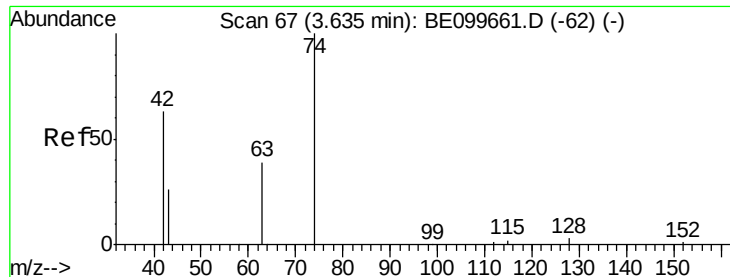
1,4-Dioxane
Concen: 0.068 ng
RT: 3.28 min Scan# 36
Delta R.T. -0.02 min
Lab File: BE099759.D
Acq: 28 May 2019 16:29

Tgt Ion: 88 Resp: 121
Ion Ratio Lower Upper
88 100
58 155.4 41.8 62.8#
43 553.7 15.0 22.4#



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: 0.045 ng

RT: 3.59 min Scan# 63

Delta R.T. -0.04 min

Lab File: BE099759.D

Acq: 28 May 2019 16:29

Instrument :

BNA_E

ClientSampleId :

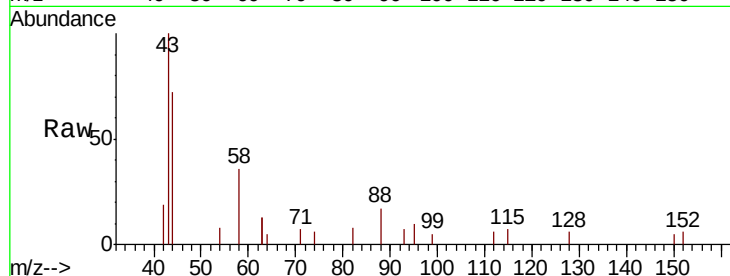
Tot Ion: 42 Resp: 44

Ion Ratio Lower Upper

42 100

74 0.0 129.2 193.8#

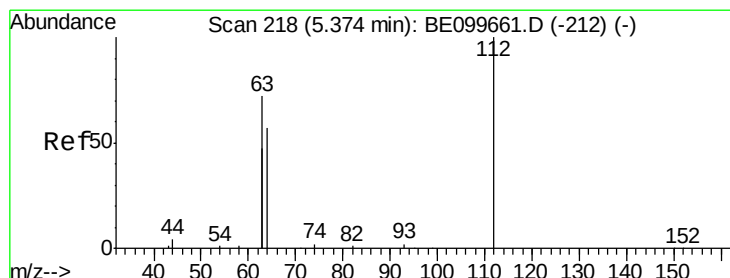
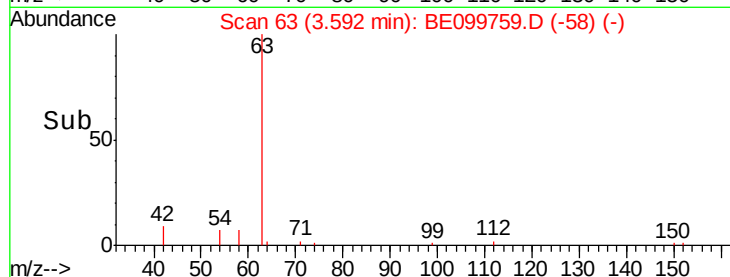
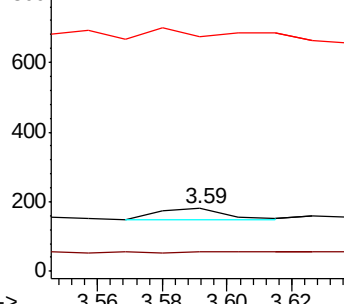
44 0.0 0.0 0.0



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: 0.227 ng

RT: 5.37 min Scan# 217

Delta R.T. -0.01 min

Lab File: BE099759.D

Acq: 28 May 2019 16:29

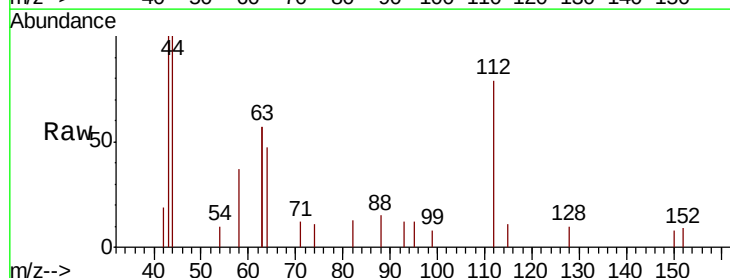
Tgt Ion: 112 Resp: 694

Ion Ratio Lower Upper

112 100

64 52.3 43.4 65.2

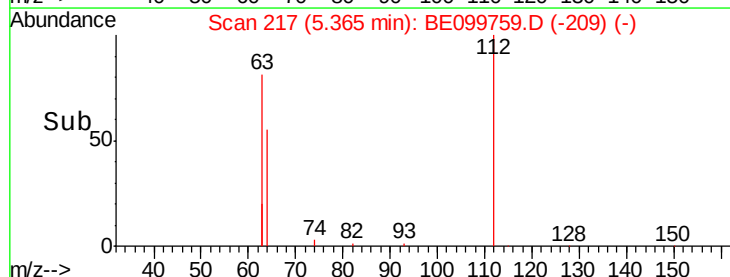
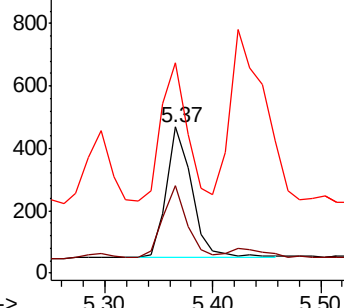
63 107.3 96.9 145.3

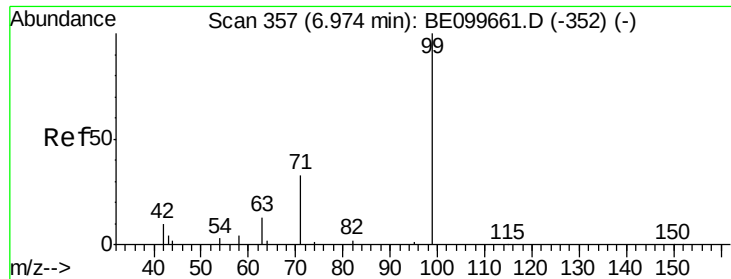


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.144 ng

RT: 6.97 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099759.D

Acq: 28 May 2019 16:29

Instrument :

BNA_E

ClientSampleId :

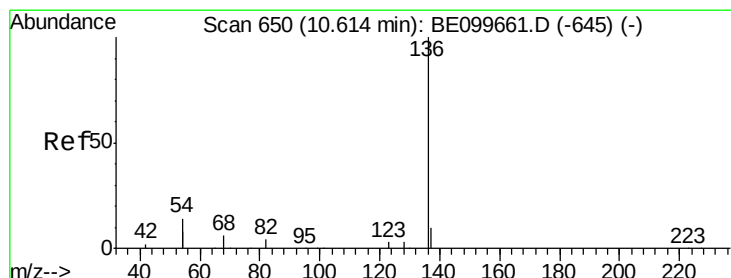
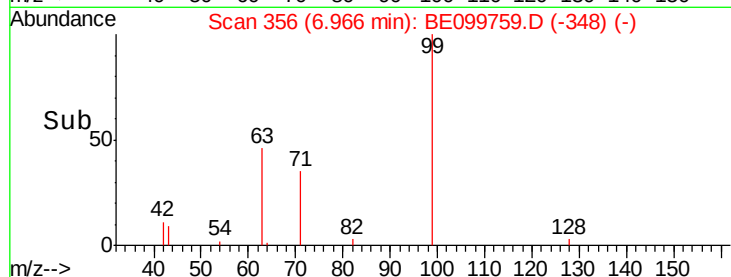
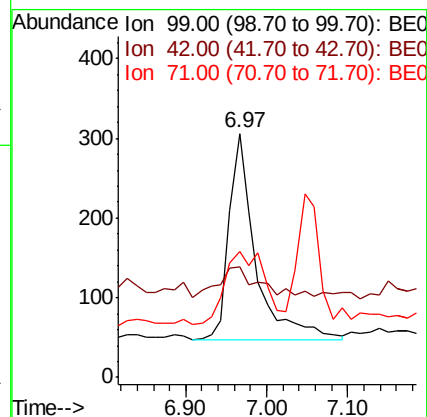
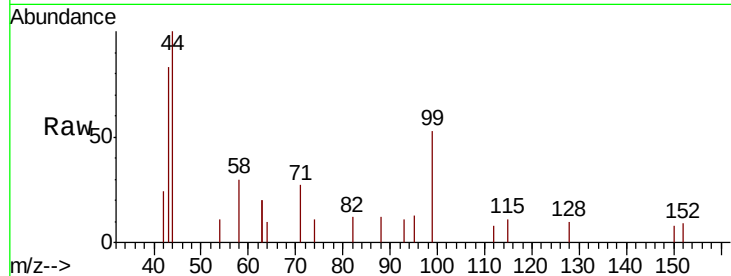
Tot Ion: 99 Resp: 580

Ion Ratio Lower Upper

99 100

42 22.4 12.2 18.2#

71 53.6 28.9 43.3#



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

Delta R.T. -0.01 min

Lab File: BE099759.D

Acq: 28 May 2019 16:29

Tgt Ion: 136 Resp: 4253

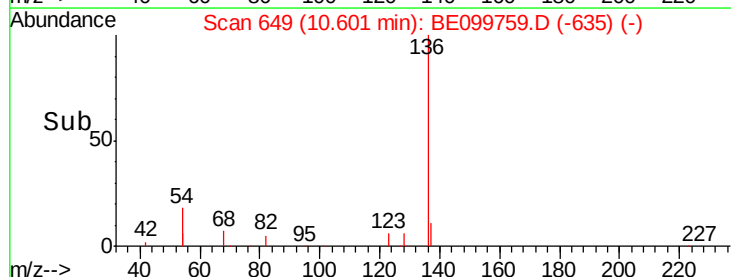
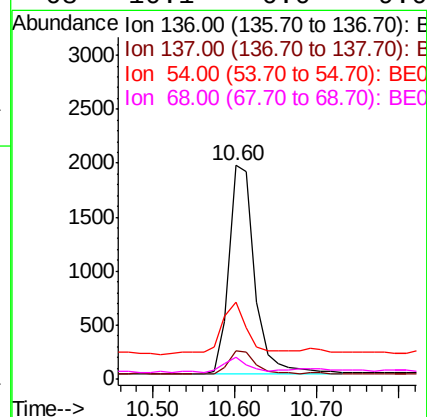
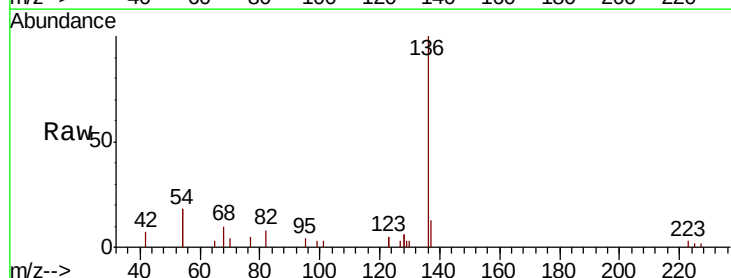
Ion Ratio Lower Upper

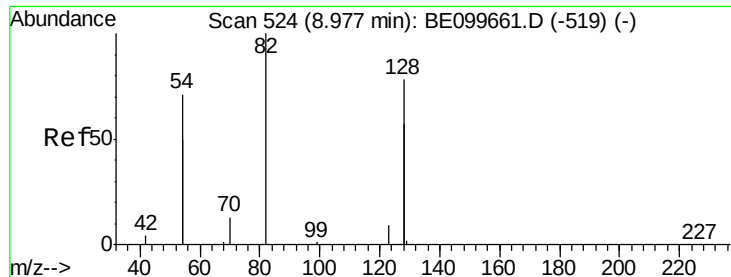
136 100

137 13.0 9.0 13.6

54 36.1 22.3 33.5#

68 10.1 6.0 9.0#





#8

Nitrobenzene-d5

Concen: 0.423 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.01 min

Lab File: BE099759.D

Acq: 28 May 2019 16:29

Instrument :

BNA_E

ClientSampleId :

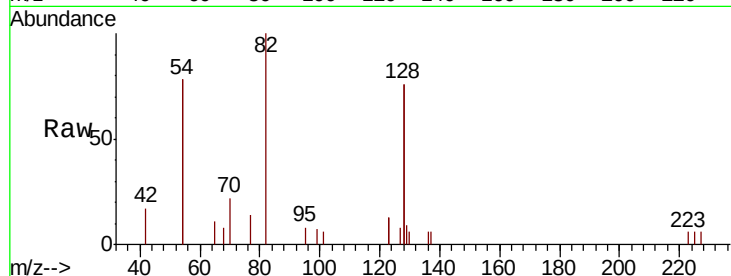
Tot Ion: 82 Resp: 1558

Ion Ratio Lower Upper

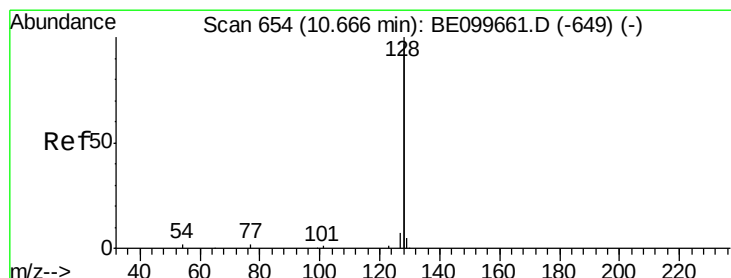
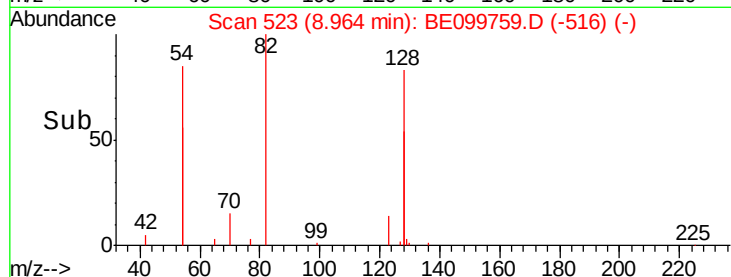
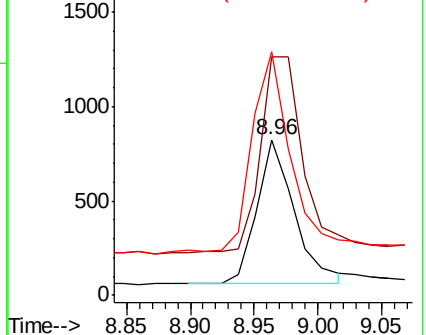
82 100

128 153.0 117.7 176.5

54 156.4 106.6 160.0



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: 0.043 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.01 min

Lab File: BE099759.D

Acq: 28 May 2019 16:29

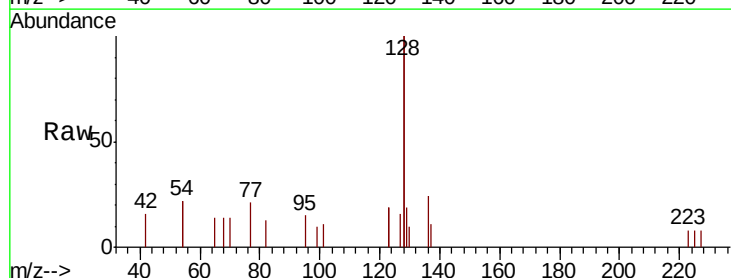
Tgt Ion: 128 Resp: 1967

Ion Ratio Lower Upper

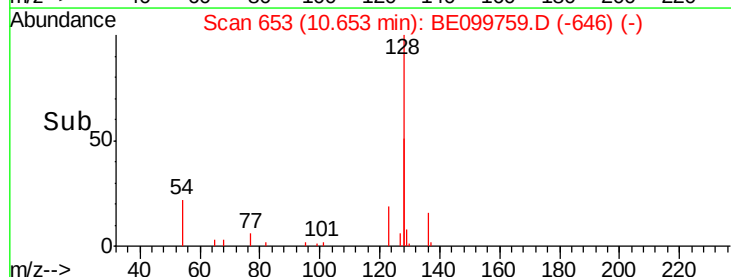
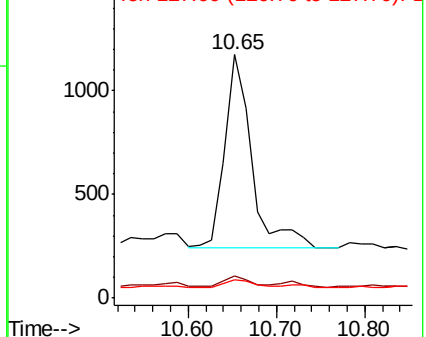
128 100

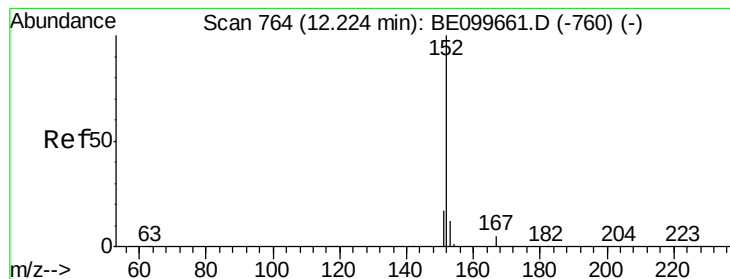
129 9.4 2.4 3.6#

127 7.8 2.9 4.3#



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: 0.415 ng

RT: 12.21 min Scan# 763

Delta R.T. -0.02 min

Lab File: BE099759.D

Acq: 28 May 2019 16:29

Instrument :

BNA_E

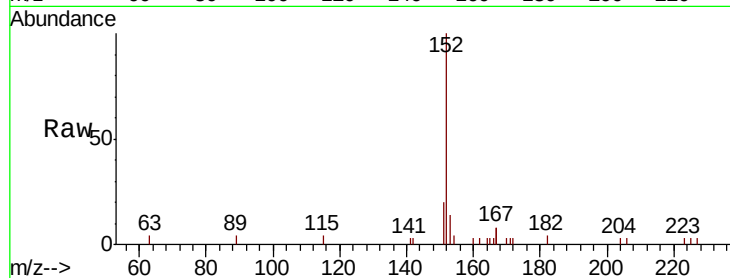
ClientSampleId :

Tot Ion:152 Resp: 3048

Ion Ratio Lower Upper

152 100

151 20.6 15.0 22.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.21

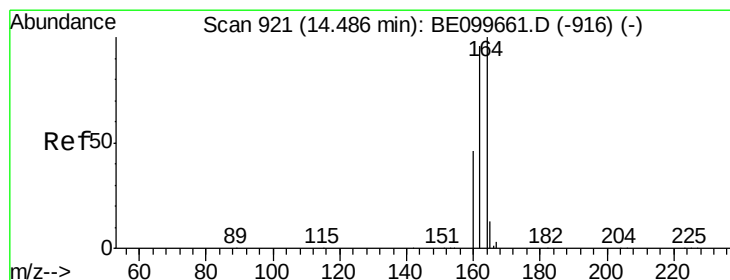
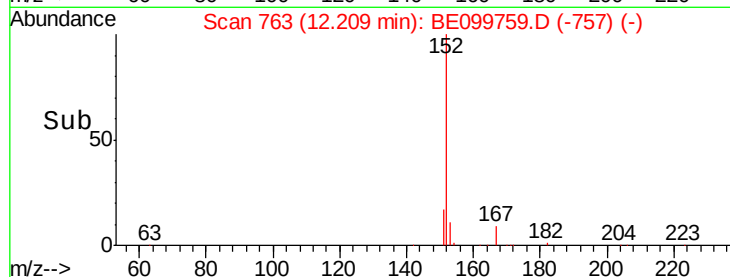
1500

1000

500

0

Time--> 12.10 12.20 12.30 12.40



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.47 min Scan# 920

Delta R.T. -0.02 min

Lab File: BE099759.D

Acq: 28 May 2019 16:29

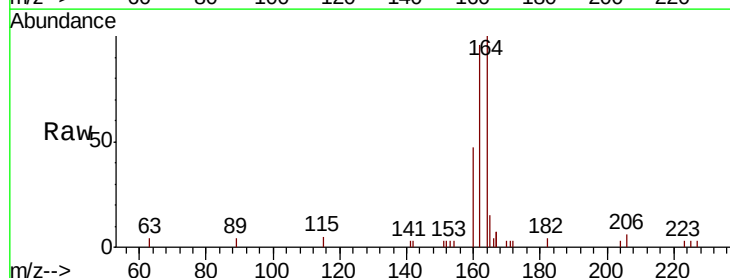
Tgt Ion:164 Resp: 3210

Ion Ratio Lower Upper

164 100

162 96.4 76.5 114.7

160 47.3 37.4 56.2



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

14.47

2500

2000

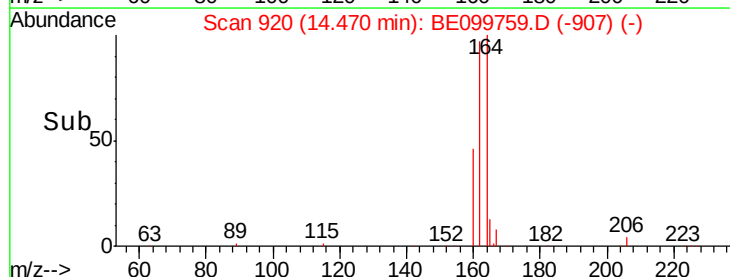
1500

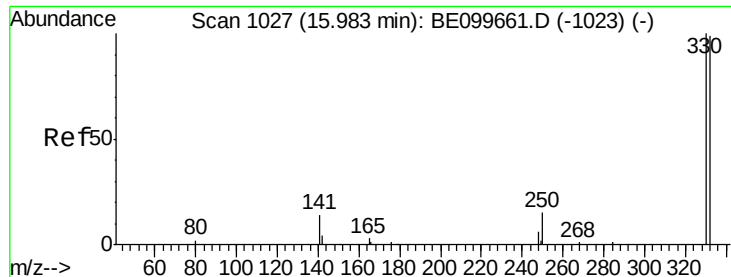
1000

500

0

Time--> 14.30 14.40 14.50 14.60





#14

2,4,6-Tribromophenol

Concen: 0.582 ng

RT: 15.97 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BE099759.D

Acq: 28 May 2019 16:29

Instrument :

BNA_E

ClientSampleId :

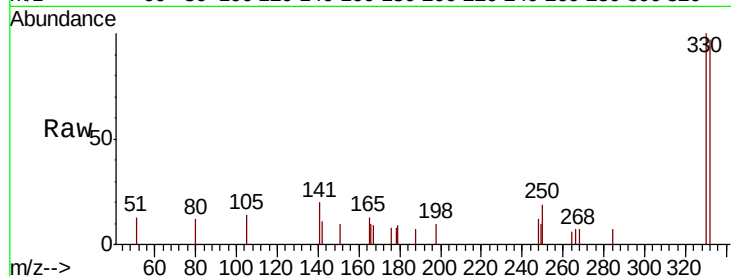
Tot Ion:330 Resp: 1123

Ion Ratio Lower Upper

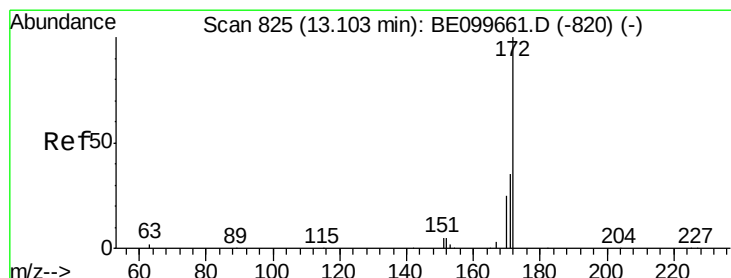
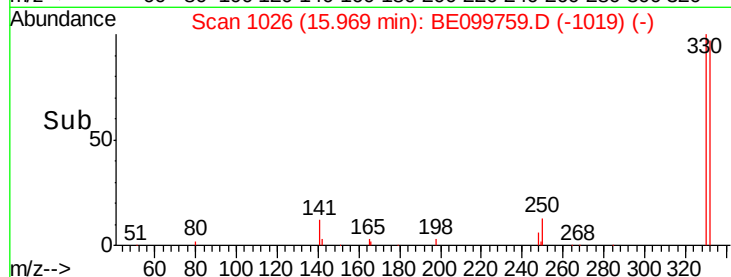
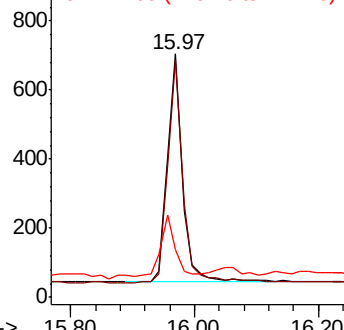
330 100

332 99.1 77.3 115.9

141 24.8 18.9 28.3



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: 0.540 ng

RT: 13.10 min Scan# 825

Delta R.T. -0.00 min

Lab File: BE099759.D

Acq: 28 May 2019 16:29

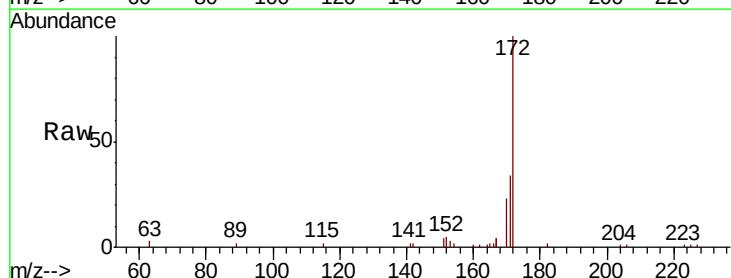
Tgt Ion:172 Resp: 6581

Ion Ratio Lower Upper

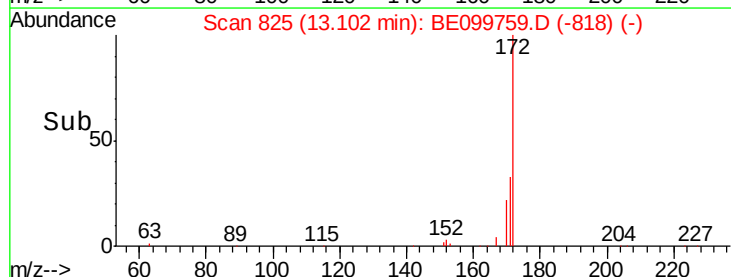
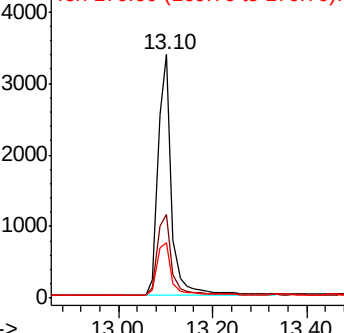
172 100

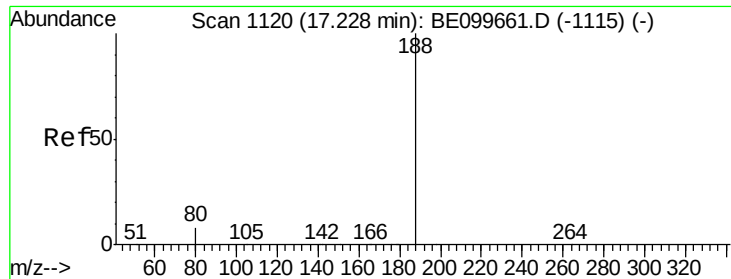
171 34.1 28.7 43.1

170 22.9 20.9 31.3



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





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.21 min Scan# 1119

Delta R.T. -0.01 min

Lab File: BE099759.D

Acq: 28 May 2019 16:29

Instrument :

BNA_E

ClientSampleId :

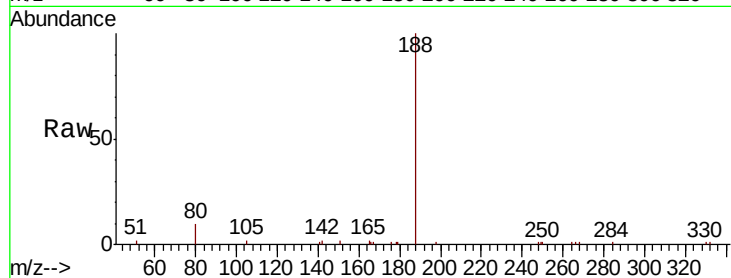
Tot Ion:188 Resp: 10299

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

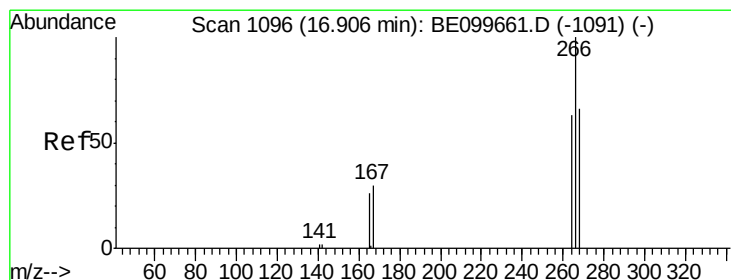
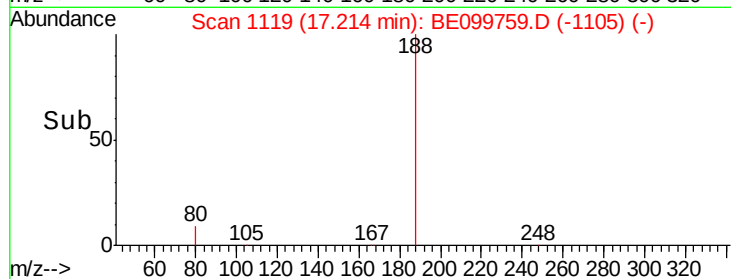
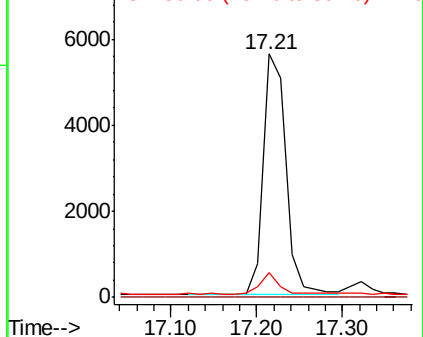
80 10.2 6.7 10.1#



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: 0.193 ng

RT: 16.88 min Scan# 1094

Delta R.T. -0.03 min

Lab File: BE099759.D

Acq: 28 May 2019 16:29

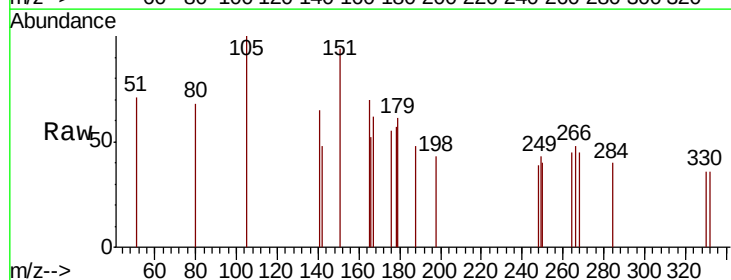
Tgt Ion:266 Resp: 22

Ion Ratio Lower Upper

266 100

264 94.8 57.2 85.8#

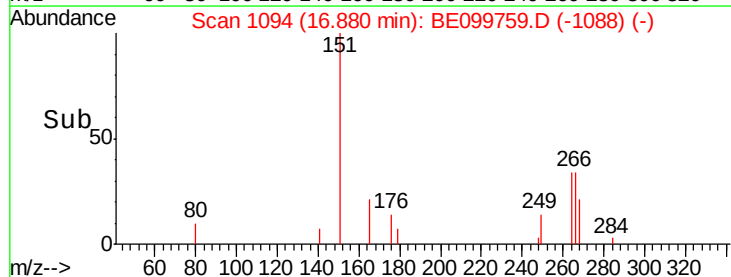
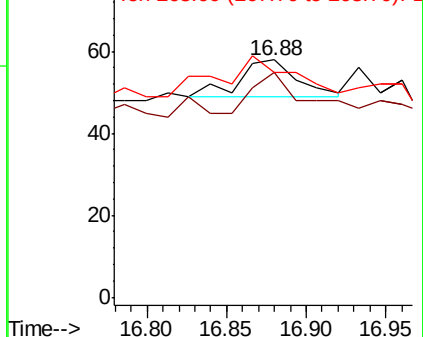
268 94.8 60.5 90.7#

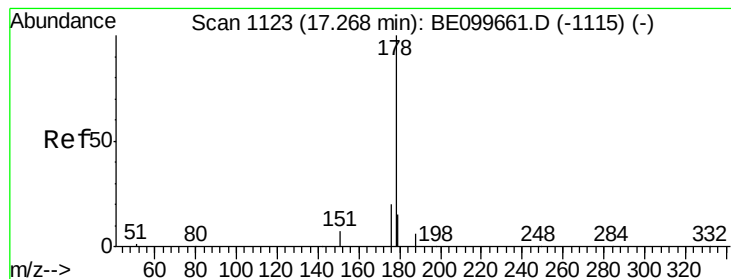


Abundance Ion 266.00 (265.70 to 266.70): E

80 Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.023 ng

RT: 17.27 min Scan# 1123

Delta R.T. 0.00 min

Lab File: BE099759.D

Acq: 28 May 2019 16:29

Instrument :

BNA_E

ClientSampled :

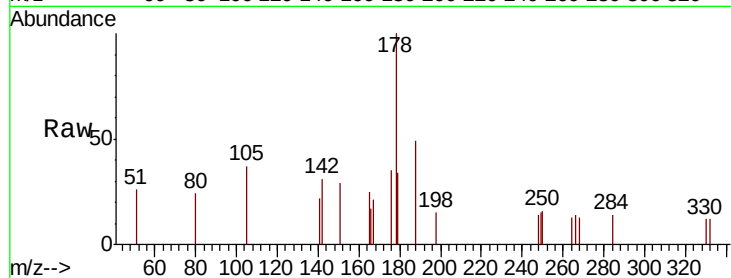
Tot Ion:178 Resp: 575

Ion Ratio Lower Upper

178 100

176 23.0 15.6 23.4

179 18.1 12.2 18.4

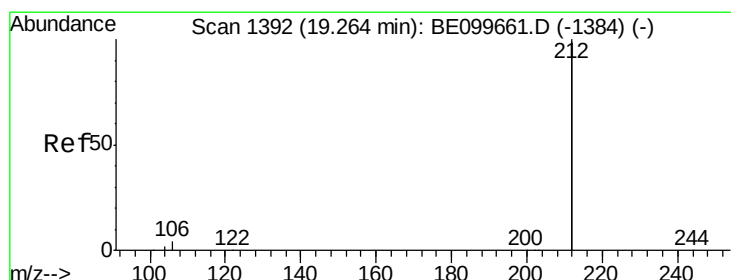
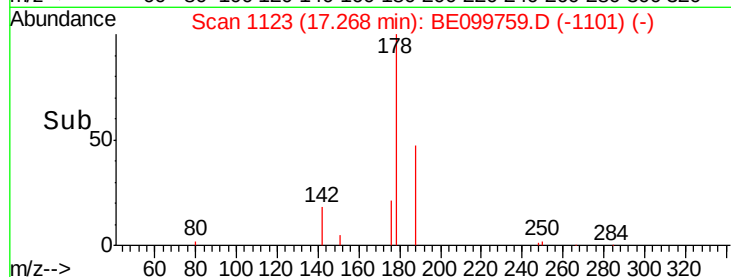
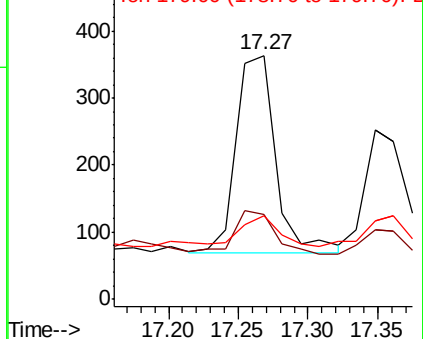


Abundance

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: 0.465 ng

RT: 19.25 min Scan# 1390

Delta R.T. -0.01 min

Lab File: BE099759.D

Acq: 28 May 2019 16:29

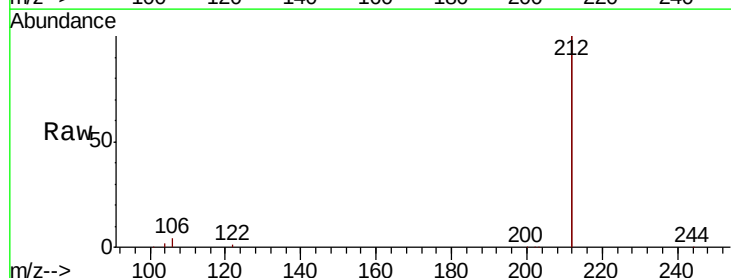
Tgt Ion:212 Resp: 65496

Ion Ratio Lower Upper

212 100

106 1.9 1.4 2.2

104 1.1 0.8 1.2

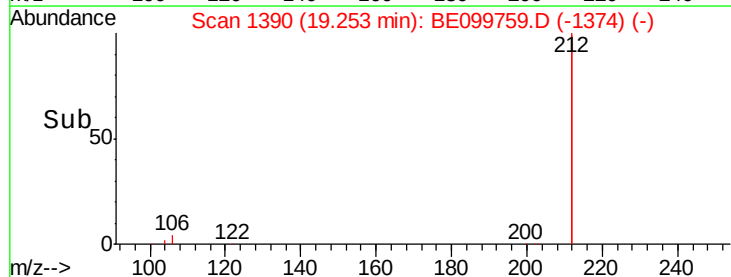
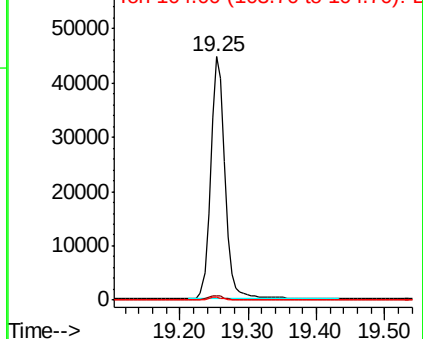


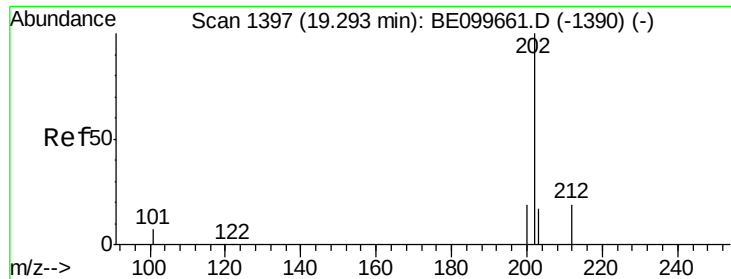
Abundance

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

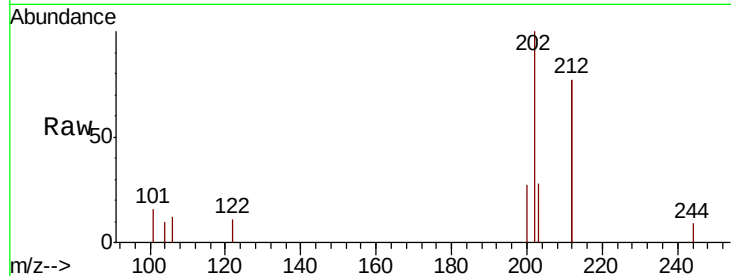




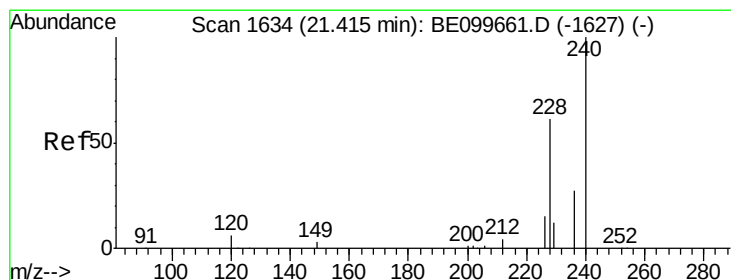
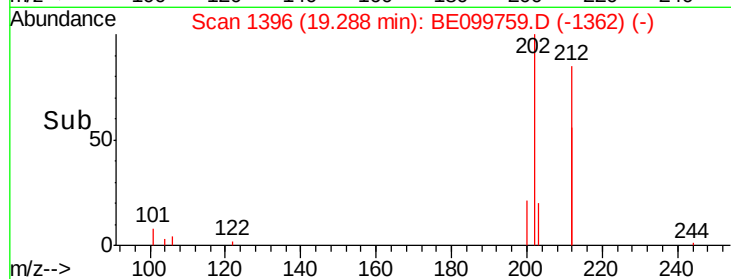
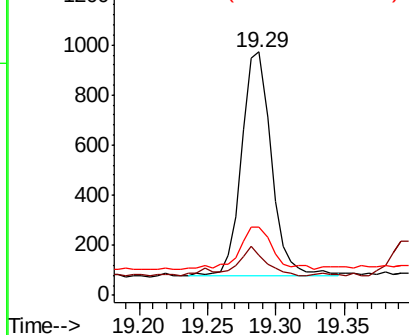
#26
Fluoranthene
Concen: 0.034 ng
RT: 19.29 min Scan# 1396
Delta R.T. -0.01 min
Lab File: BE099759.D
Acq: 28 May 2019 16:29

Instrument :
BNA_E
ClientSampleId :

Tot Ion:202 Resp: 1335
Ion Ratio Lower Upper
202 100
101 11.7 5.2 7.8#
203 22.2 13.8 20.6#

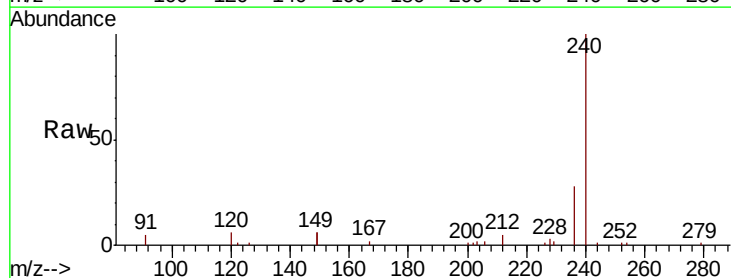


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

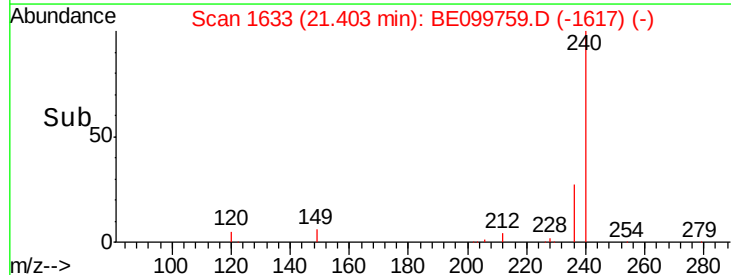
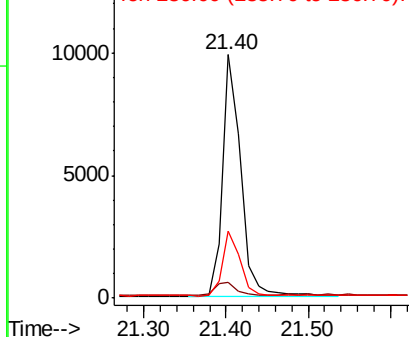


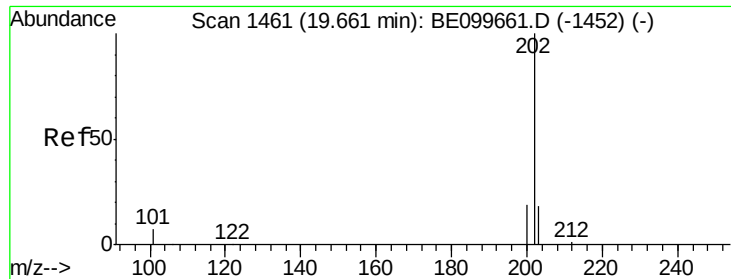
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.40 min Scan# 1633
Delta R.T. -0.01 min
Lab File: BE099759.D
Acq: 28 May 2019 16:29

Tgt Ion:240 Resp: 15205
Ion Ratio Lower Upper
240 100
120 6.4 5.4 8.0
236 27.8 21.7 32.5



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

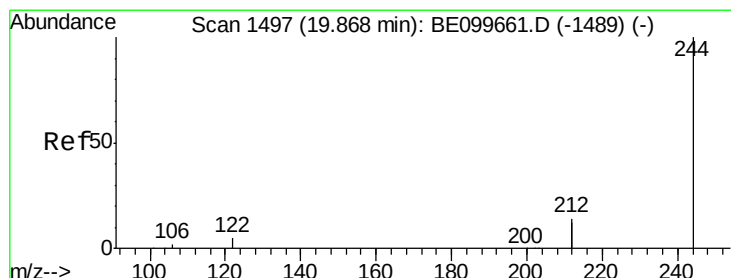
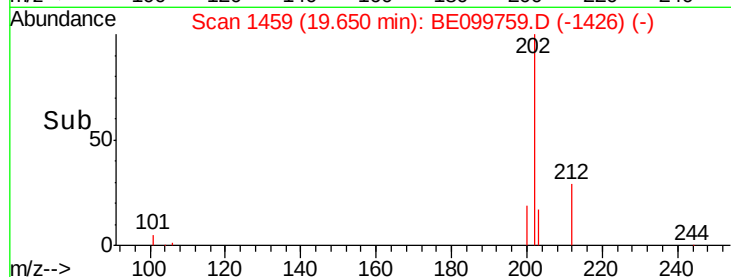
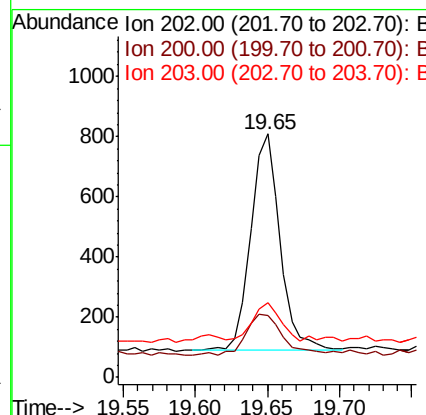
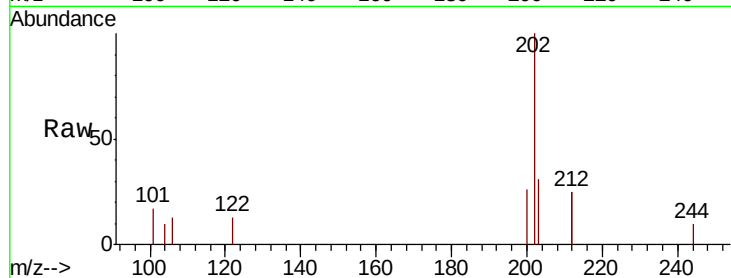




#28
Pvrene
Concen: 0.027 ng
RT: 19.65 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BE099759.D
Acq: 28 May 2019 16:29

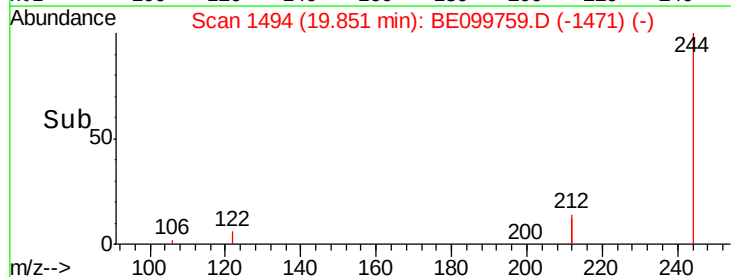
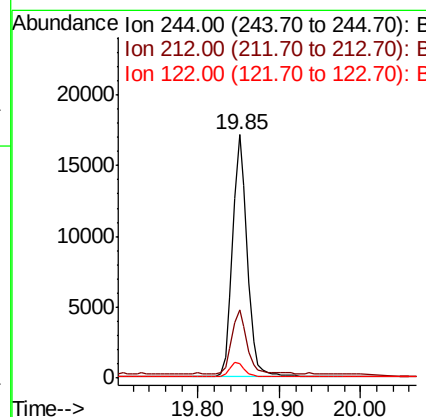
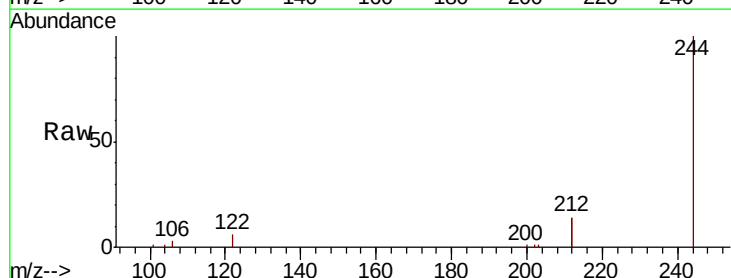
Instrument :
BNA_E
ClientSampled :

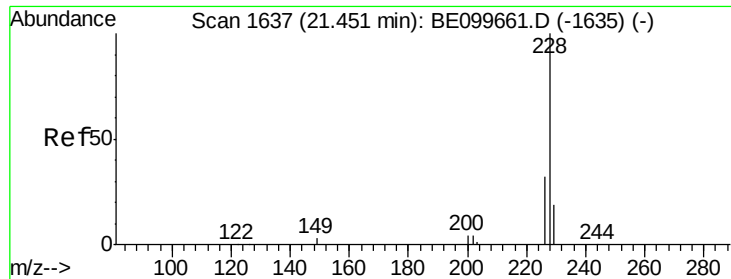
Tot Ion:202 Resp: 1032
Ion Ratio Lower Upper
202 100
200 24.4 15.4 23.2#
203 17.0 13.8 20.8



#29
Terphenyl-d14
Concen: 0.797 ng
RT: 19.85 min Scan# 1494
Delta R.T. -0.02 min
Lab File: BE099759.D
Acq: 28 May 2019 16:29

Tgt Ion:244 Resp: 21638
Ion Ratio Lower Upper
244 100
212 28.1 22.5 33.7
122 6.1 4.3 6.5





#31

Chrysene

Concen: 0.021 ng

RT: 21.44 min Scan# 1636

Delta R.T. -0.01 min

Lab File: BE099759.D

Acq: 28 May 2019 16:29

Instrument :

BNA_E

ClientSampled :

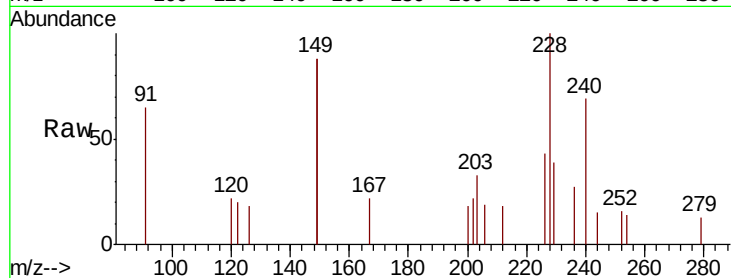
Tot Ion:228 Resp: 955

Ion Ratio Lower Upper

228 100

226 42.6 24.7 37.1#

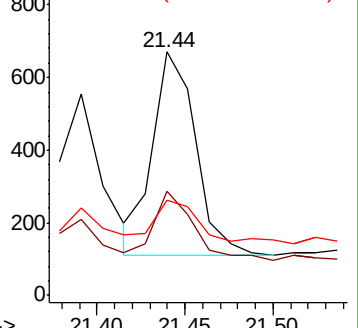
229 39.0 15.8 23.6#



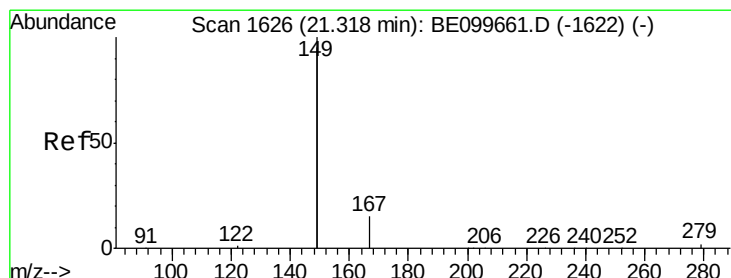
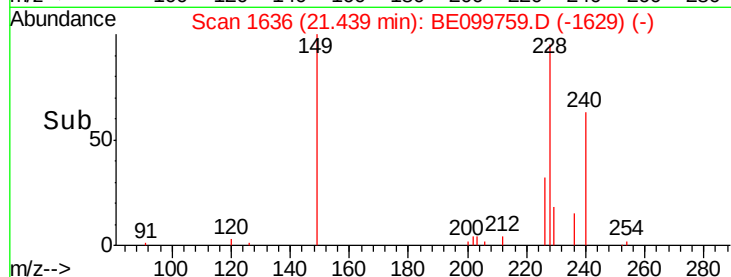
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.149 ng

RT: 21.31 min Scan# 1625

Delta R.T. -0.01 min

Lab File: BE099759.D

Acq: 28 May 2019 16:29

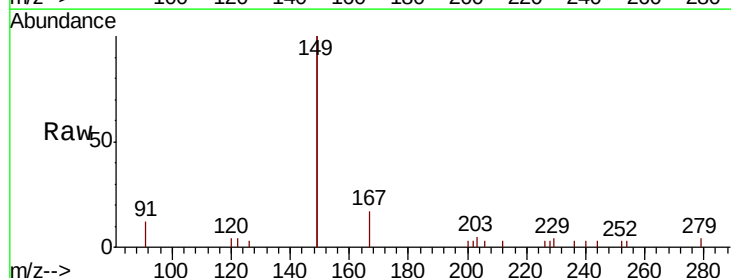
Tgt Ion:149 Resp: 7404

Ion Ratio Lower Upper

149 100

167 8.3 6.2 9.4

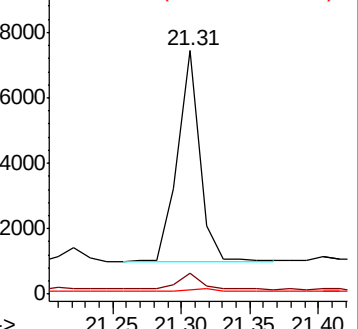
279 1.7 1.2 1.8



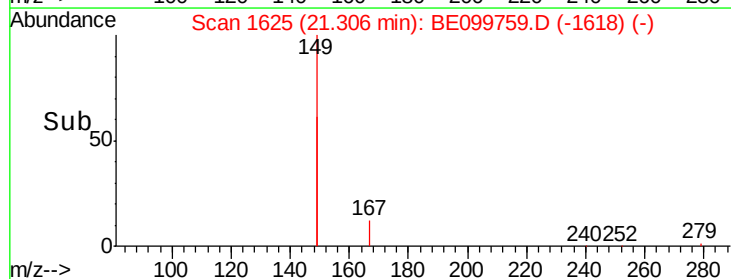
Abundance Ion 149.00 (148.70 to 149.70): E

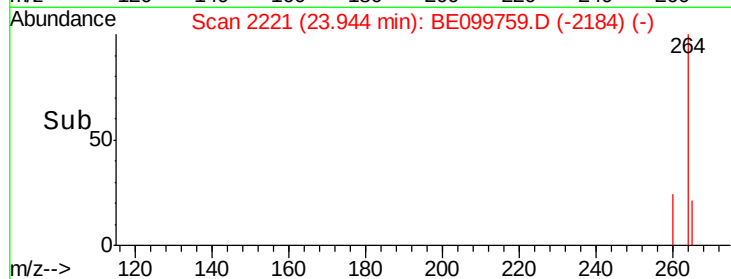
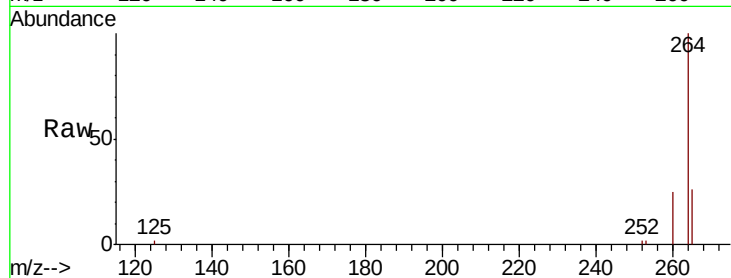
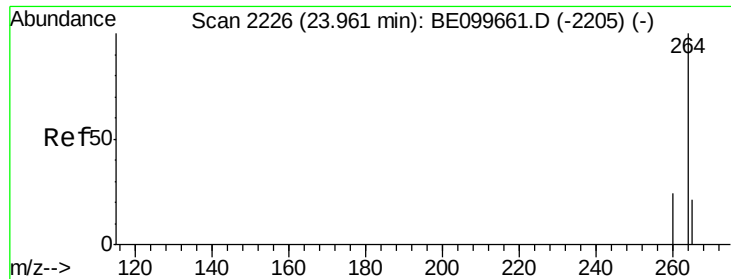
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->





#34

Pervlene-d12

Concen: 0.400 ng

RT: 23.94 min Scan# 2221

Delta R.T. -0.02 min

Lab File: BE099759.D

Acq: 28 May 2019 16:29

Instrument :

BNA_E

ClientSampleId :

Tot Ion:264 Resp: 17928

Ion Ratio Lower Upper

264 100

260 25.1 19.6 29.4

265 26.2 19.1 28.7

