

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE100819\
 Data File : BE100612.D
 Acq On : 8 Oct 2019 17:16
 Operator : JU
 Sample : K5109-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 09 01:46:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE100319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 09 01:42:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	3880	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	18887	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	11582	0.40	ng	0.00
19) Phenanthrene-d10	17.17	188	25726	0.40	ng	0.00
27) Chrysene-d12	21.33	240	30944	0.40	ng	0.00
34) Perylene-d12	23.78	264	35564	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.40	112	3128	0.30	ng	0.00
5) Phenol-d6	6.98	99	3179	0.24	ng	0.00
8) Nitrobenzene-d5	8.96	82	4483	0.38	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	10222	0.36	ng	-0.02
14) 2,4,6-Tribromophenol	15.93	330	1539	0.58	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	13908	0.33	ng	0.00
25) Fluoranthene-d10	19.19	212	128025	0.40	ng	0.00
29) Terphenyl-d14	19.79	244	37802	0.55	ng	0.00

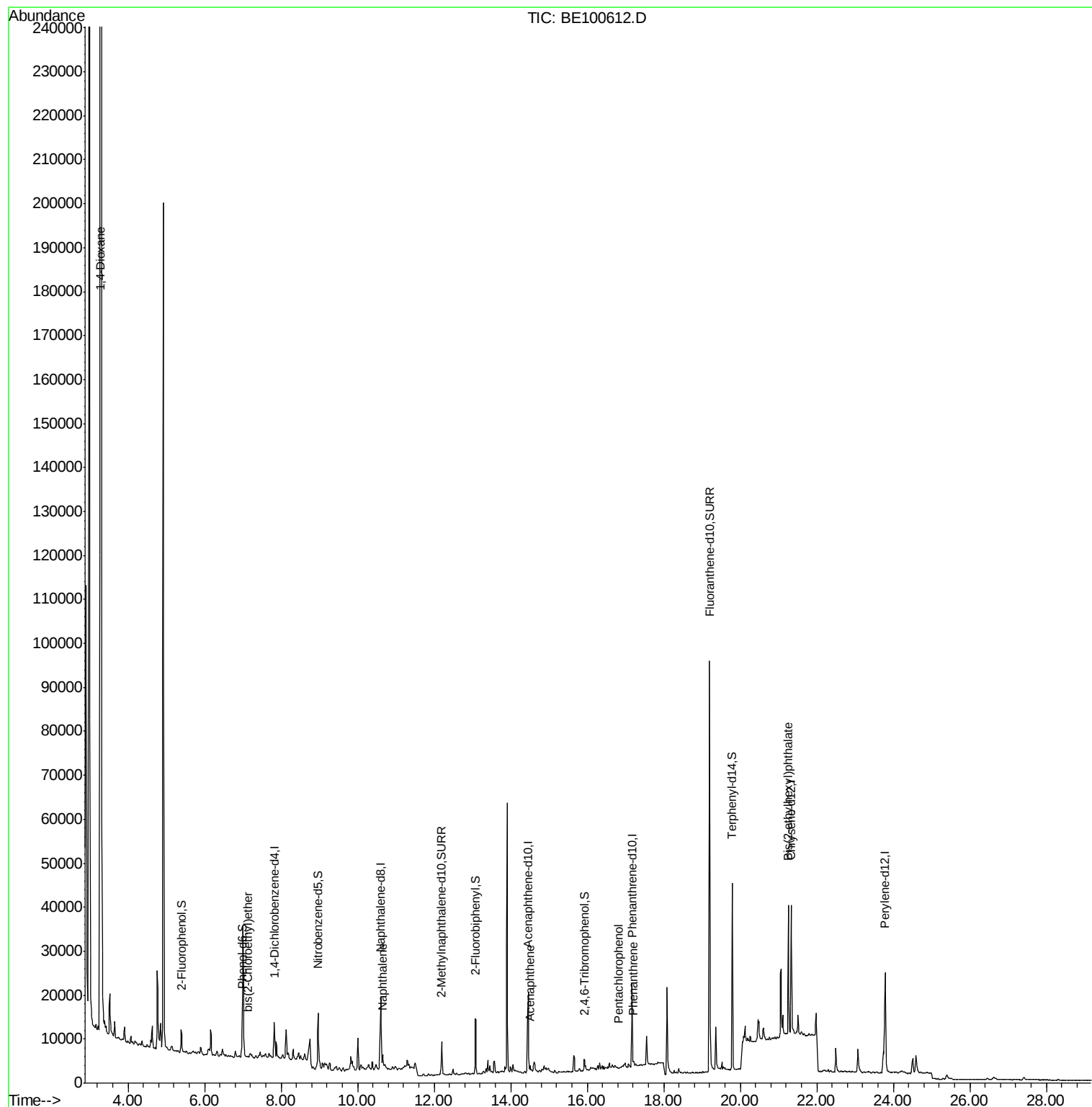
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.28	88	1969422	301.364	ng	# 85
6) bis(2-Chloroethyl)ether	7.14	93	269	0.022	ng	# 1
9) Naphthalene	10.65	128	4502	0.023	ng	# 88
17) Acenaphthene	14.51	154	752	0.023	ng	92
22) Pentachlorophenol	16.83	266	31	0.344	ng	# 82
23) Phenanthrene	17.22	178	1617	0.022	ng	# 89
32) Bis(2-ethylhexyl)phthalate	21.26	149	31524	0.191	ng	99

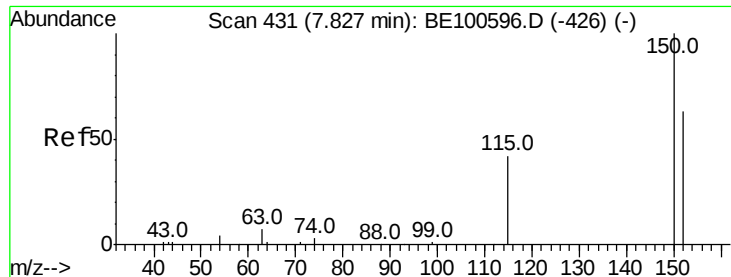
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE100819\
Data File : BE100612.D
Acq On : 8 Oct 2019 17:16
Operator : JU
Sample : K5109-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Oct 09 01:46:01 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE100319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 09 01:42:20 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.82 min Scan# 430

Delta R.T. 0.00 min

Lab File: BE100612.D

Acq: 8 Oct 2019 17:16

Instrument :

BNA_E

ClientSampleId :

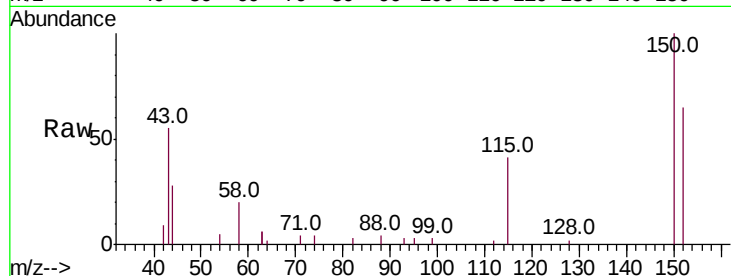
Tot Ion:152 Resp: 3880

Ion Ratio Lower Upper

152 100

150 153.8 126.5 189.7

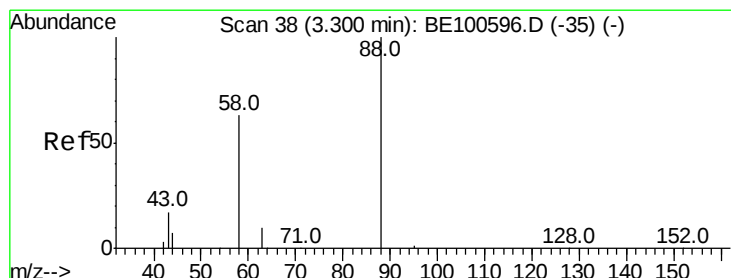
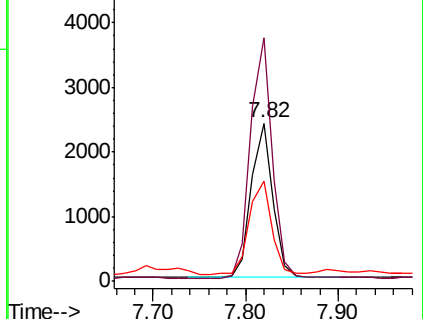
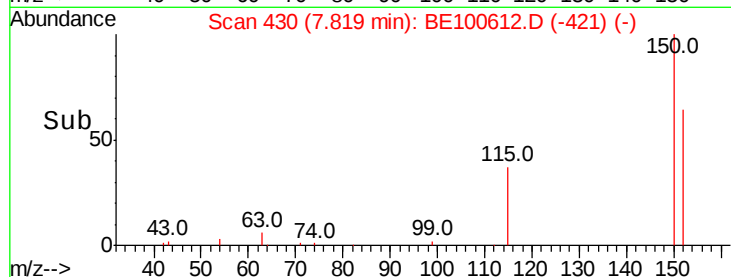
115 63.0 54.6 81.8



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: 301.364 ng

RT: 3.28 min Scan# 36

Delta R.T. -0.01 min

Lab File: BE100612.D

Acq: 8 Oct 2019 17:16

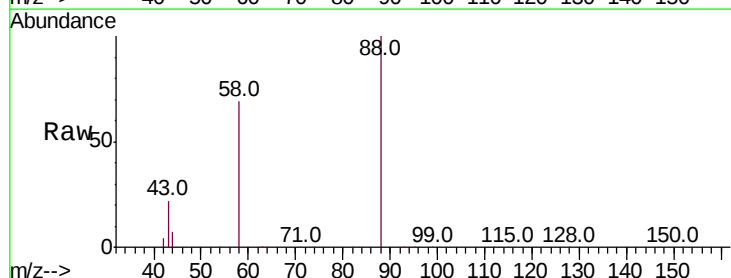
Tgt Ion: 88 Resp: 1969422

Ion Ratio Lower Upper

88 100

58 72.1 48.1 72.1

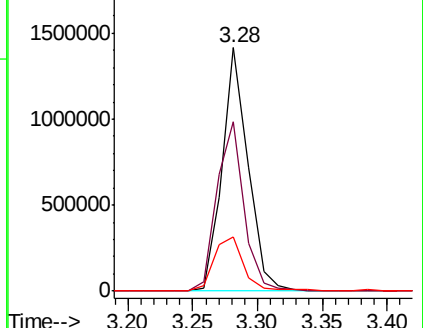
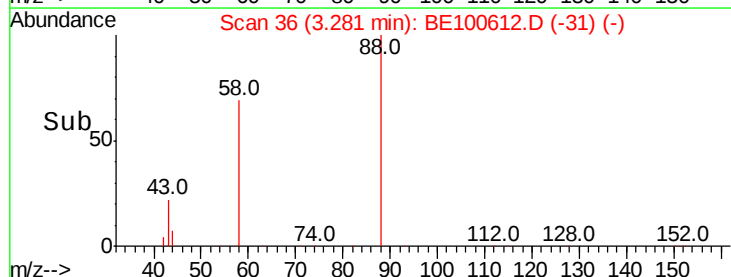
43 24.2 14.4 21.6#

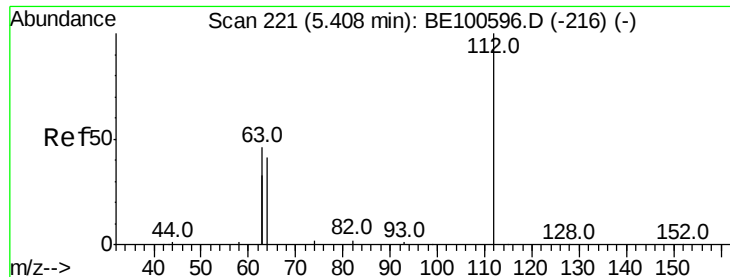


Abundance Ion 88.00 (87.70 to 88.70): BE1

Ion 58.00 (57.70 to 58.70): BE1

Ion 43.00 (42.70 to 43.70): BE1





#4

2-Fluorophenol

Concen: 0.299 ng

RT: 5.40 min Scan# 220

Delta R.T. 0.00 min

Lab File: BE100612.D

Acq: 8 Oct 2019 17:16

Instrument :

BNA_E

ClientSampleId :

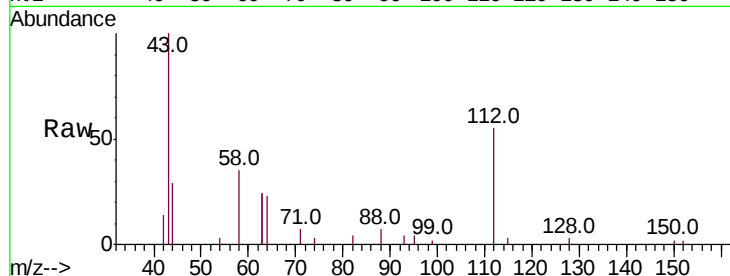
Tot Ion:112 Resp: 3128

Ion Ratio Lower Upper

112 100

64 56.2 43.7 65.5

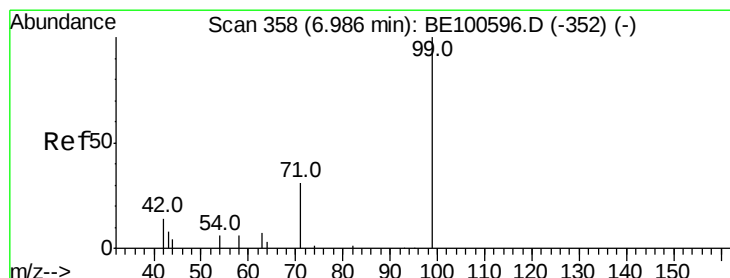
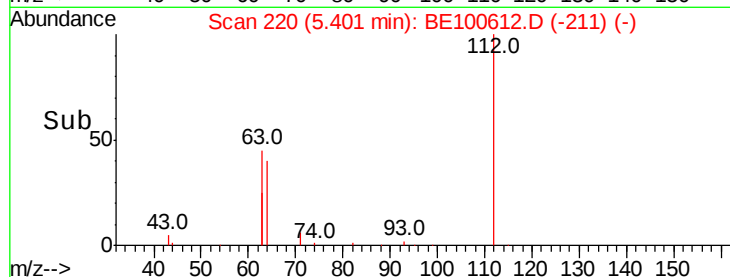
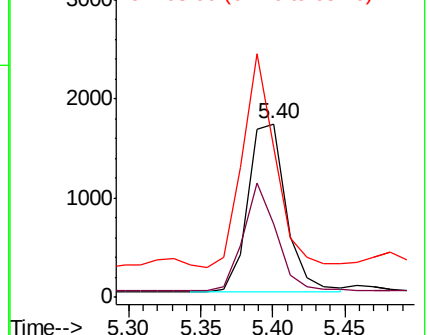
63 108.9 84.5 126.7



Abundance Ion 112.00 (111.70 to 112.70): BE1

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1



#5

Phenol-d6

Concen: 0.242 ng

RT: 6.98 min Scan# 357

Delta R.T. -0.01 min

Lab File: BE100612.D

Acq: 8 Oct 2019 17:16

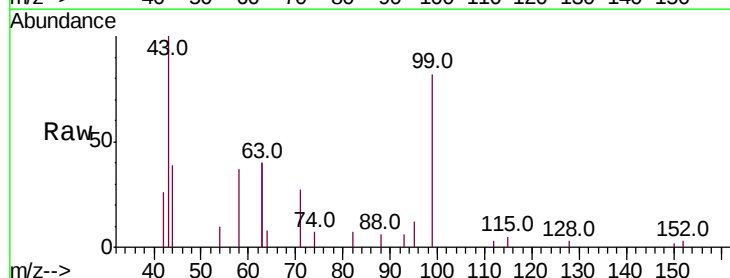
Tgt Ion: 99 Resp: 3179

Ion Ratio Lower Upper

99 100

42 0.0 11.7 17.5#

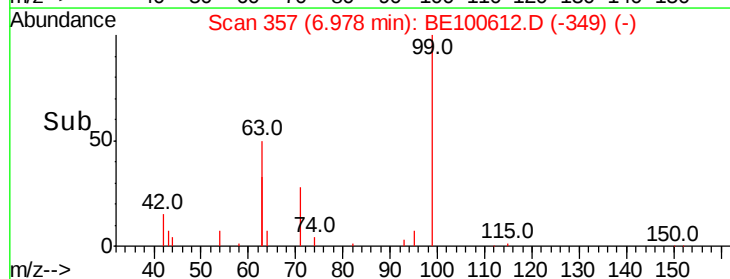
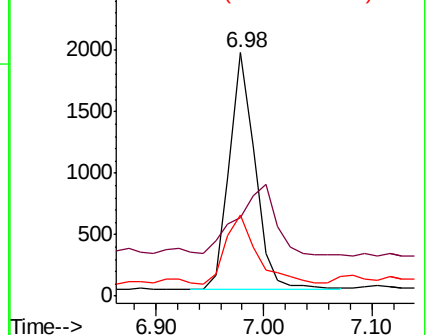
71 36.6 23.0 34.4#

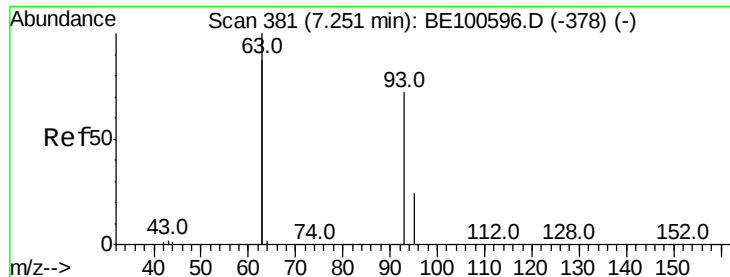


Abundance Ion 99.00 (98.70 to 99.70): BE1

Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1





#6

bis(2-Chloroethyl)ether

Concen: 0.022 ng

RT: 7.14 min Scan# 371

Delta R.T. -0.10 min

Lab File: BE100612.D

Acq: 8 Oct 2019 17:16

Instrument :

BNA_E

ClientSampleId :

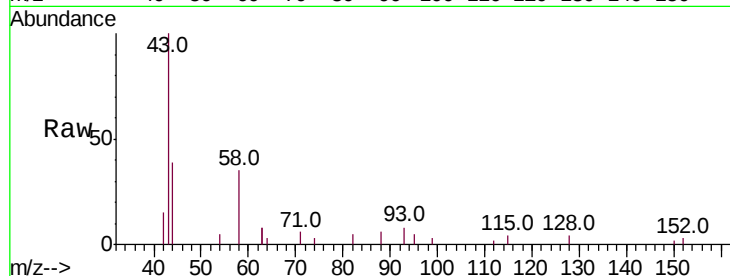
Tot Ion: 93 Resp: 269

Ion Ratio Lower Upper

93 100

63 0.0 221.0 331.4#

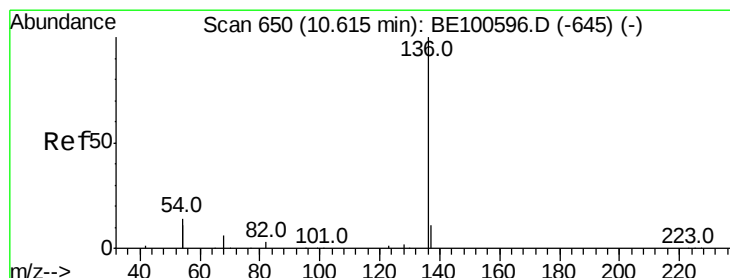
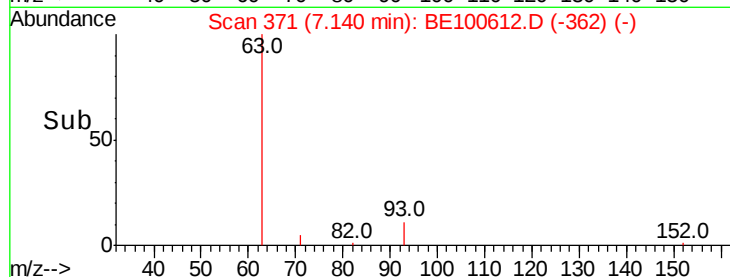
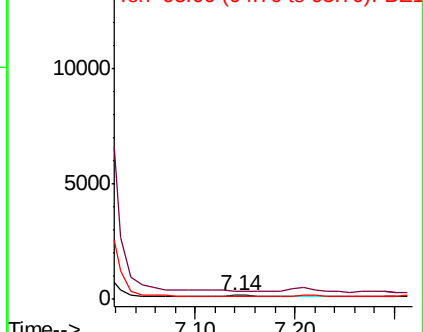
95 0.0 25.4 38.0#



Abundance Ion 93.00 (92.70 to 93.70): BE1

Ion 63.00 (62.70 to 63.70): BE1

Ion 95.00 (94.70 to 95.70): BE1



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

Delta R.T. -0.00 min

Lab File: BE100612.D

Acq: 8 Oct 2019 17:16

Tgt Ion:136 Resp: 18887

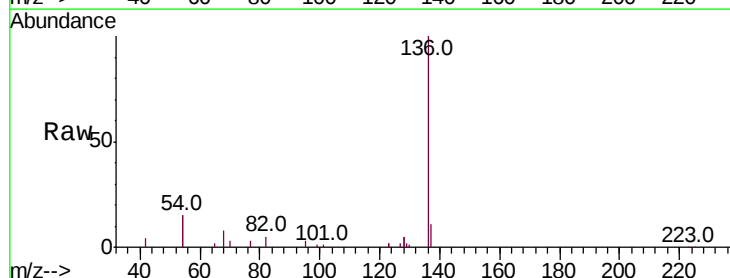
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 30.3 22.4 33.6

68 7.7 5.2 7.8

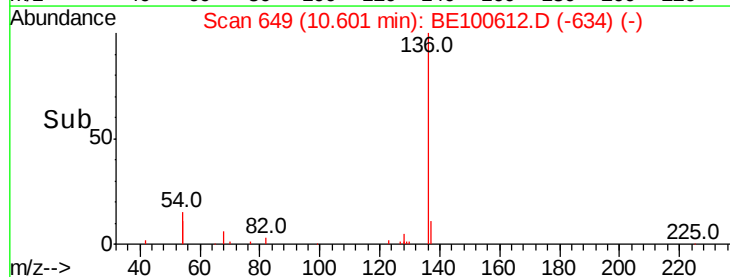
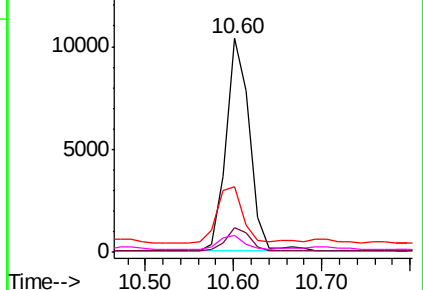


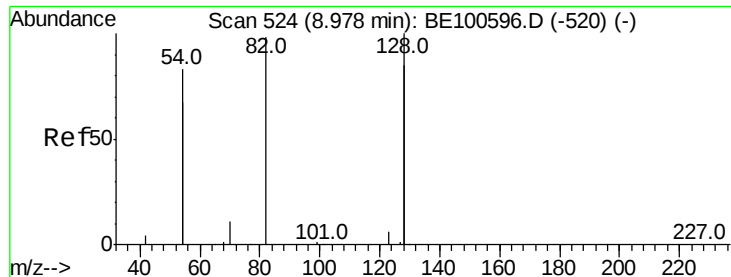
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1





#8

Nitrobenzene-d5

Concen: 0.380 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE100612.D

Acq: 8 Oct 2019 17:16

Instrument :

BNA_E

ClientSampled :

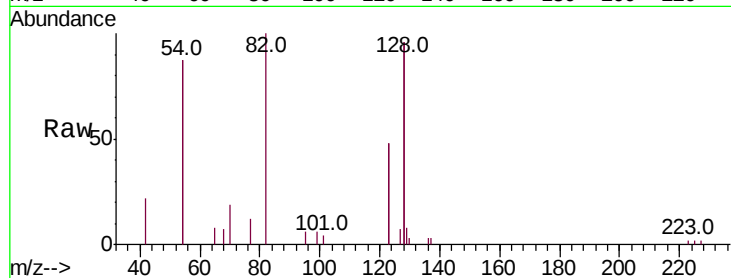
Tot Ion: 82 Resp: 4483

Ion Ratio Lower Upper

82 100

128 192.5 154.7 232.1

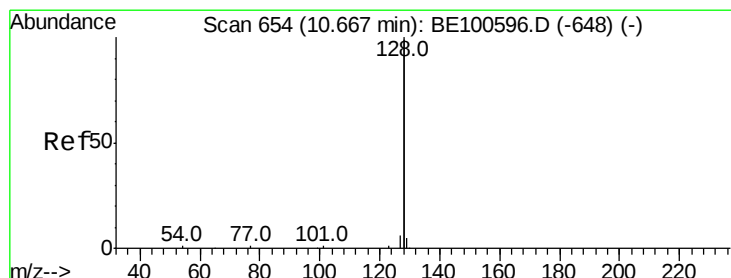
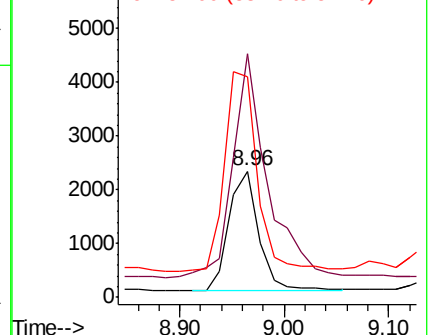
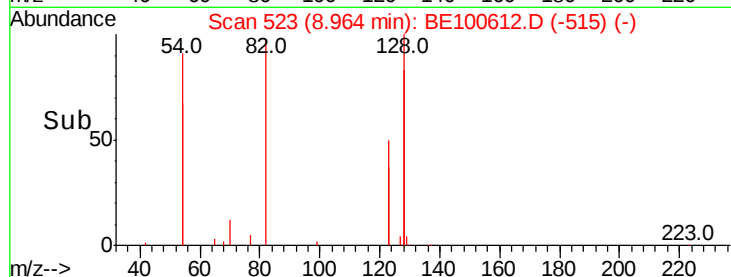
54 174.4 128.5 192.7



Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): BE1

Ion 54.00 (53.70 to 54.70): BE1



#9

Naphthalene

Concen: 0.023 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BE100612.D

Acq: 8 Oct 2019 17:16

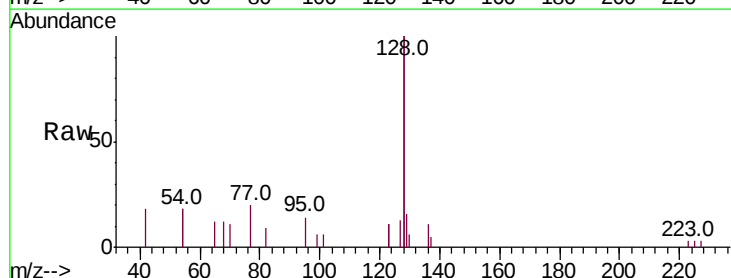
Tgt Ion: 128 Resp: 4502

Ion Ratio Lower Upper

128 100

129 7.8 2.2 3.4#

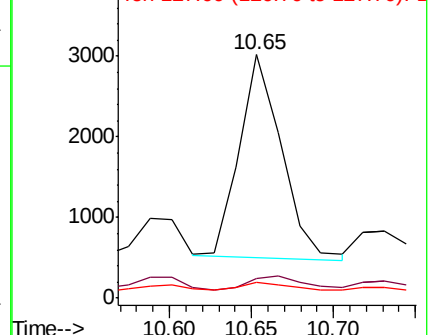
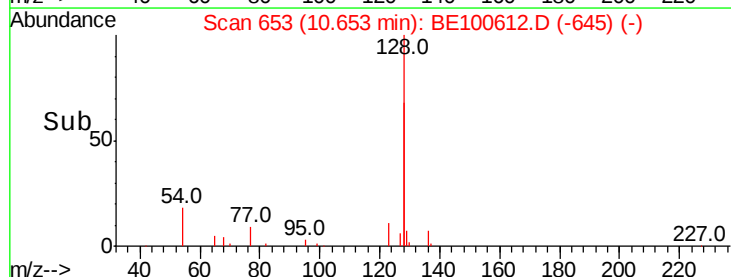
127 6.4 2.6 4.0#

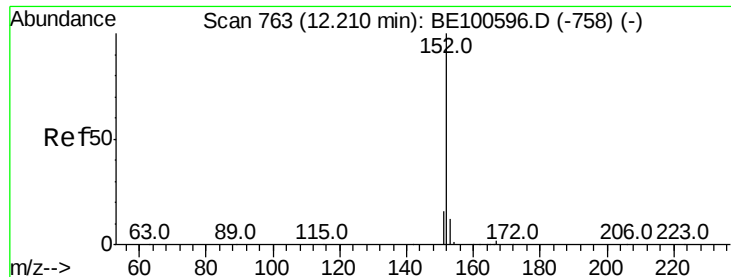


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

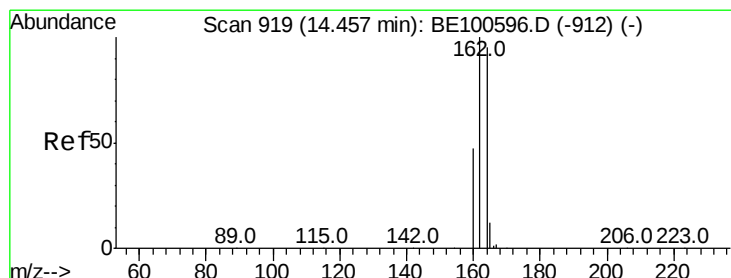
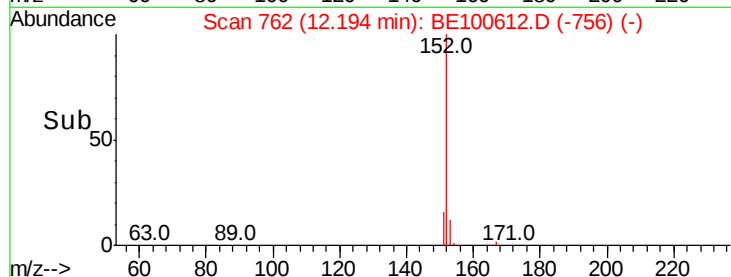
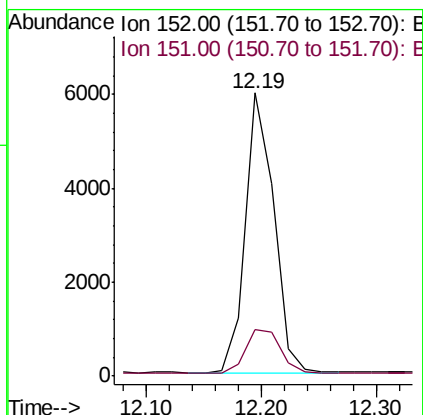
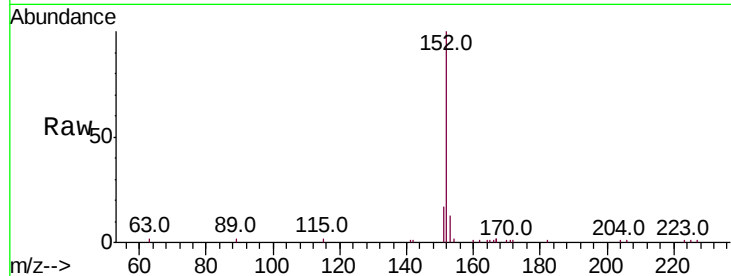




#11
 2-Methylnaphthalene-d10
 Concen: 0.362 ng
 RT: 12.19 min Scan# 762
 Delta R.T. -0.02 min
 Lab File: BE100612.D
 Acq: 8 Oct 2019 17:16

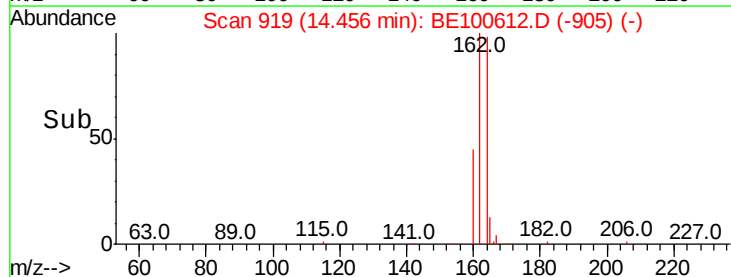
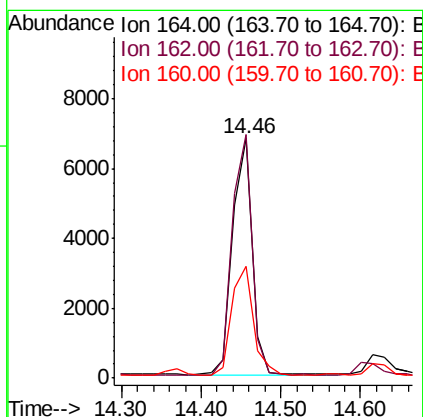
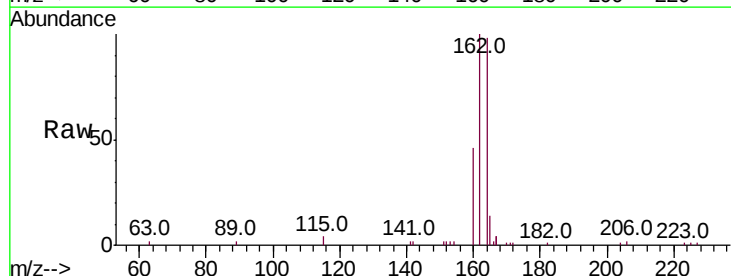
Instrument :
 BNA_E
 ClientSampleId :

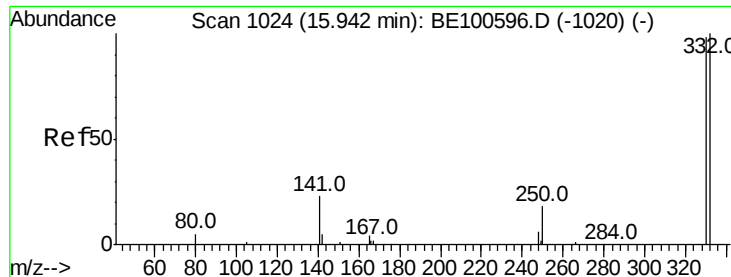
Tot Ion:152 Resp: 10222
 Ion Ratio Lower Upper
 152 100
 151 19.9 15.2 22.8



#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.46 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: BE100612.D
 Acq: 8 Oct 2019 17:16

Tgt Ion:164 Resp: 11582
 Ion Ratio Lower Upper
 164 100
 162 101.6 84.2 126.4
 160 46.9 40.2 60.4





#14

2,4,6-Tribromophenol

Concen: 0.582 ng

RT: 15.93 min Scan# 1023

Delta R.T. 0.00 min

Lab File: BE100612.D

Acq: 8 Oct 2019 17:16

Instrument :

BNA_E

ClientSampleId :

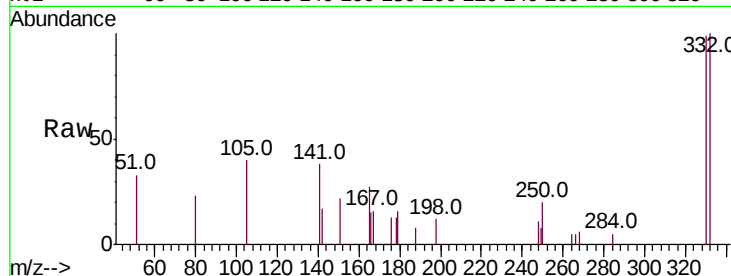
Tot Ion:330 Resp: 1539

Ion Ratio Lower Upper

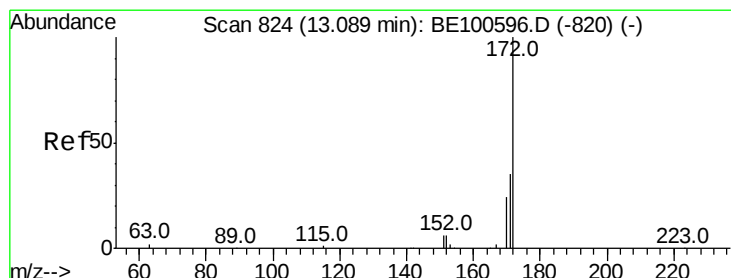
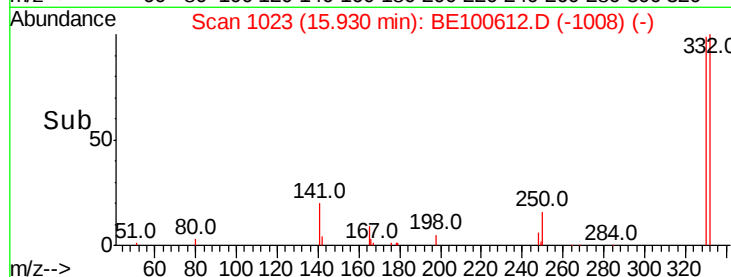
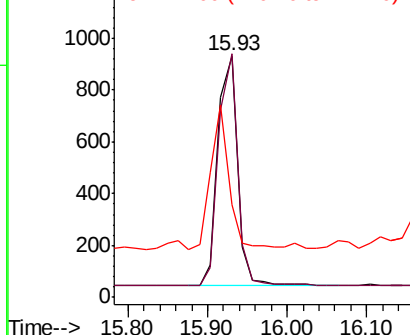
330 100

332 97.7 78.5 117.7

141 62.4 39.4 59.0#



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



#15

2-Fluorobiphenyl

Concen: 0.331 ng

RT: 13.09 min Scan# 824

Delta R.T. -0.00 min

Lab File: BE100612.D

Acq: 8 Oct 2019 17:16

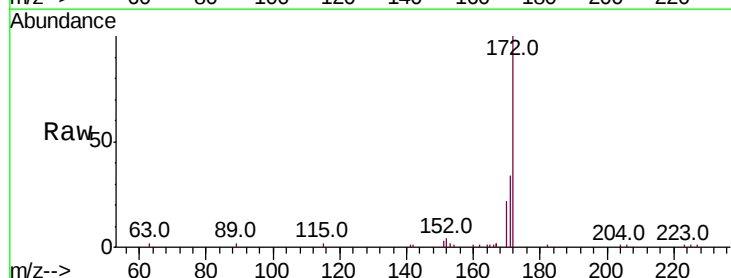
Tgt Ion:172 Resp: 13908

Ion Ratio Lower Upper

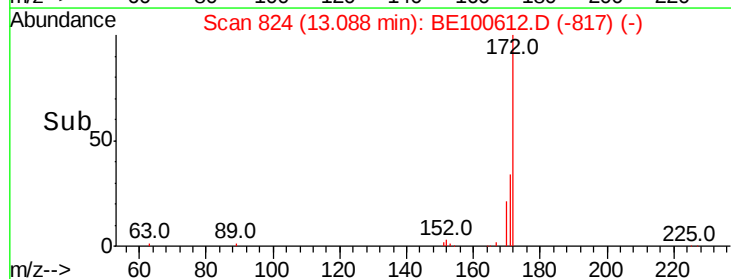
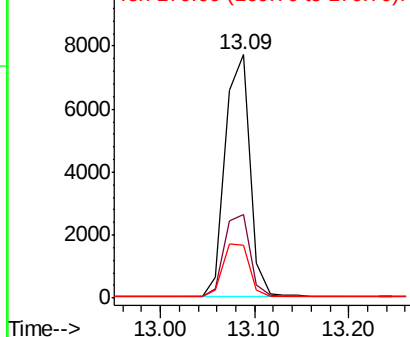
172 100

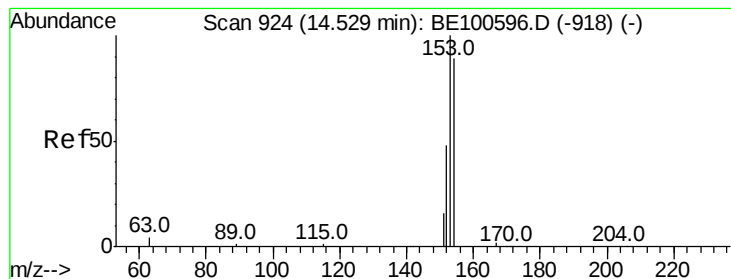
171 34.5 28.7 43.1

170 21.8 19.8 29.8



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





#17

Acenaphthene

Concen: 0.023 ng

RT: 14.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: BE100612.D

Acq: 8 Oct 2019 17:16

Instrument :

BNA_E

ClientSampleId :

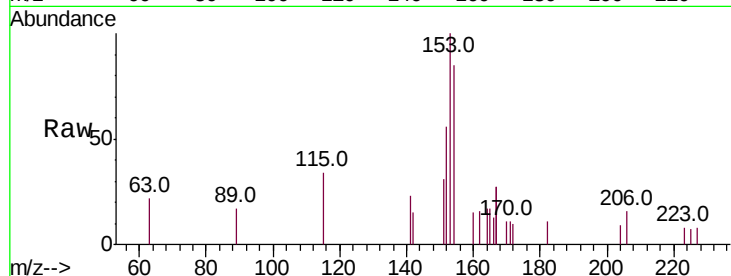
Tot Ion:154 Resp: 752

Ion Ratio Lower Upper

154 100

153 125.9 92.3 138.5

152 60.1 46.2 69.2



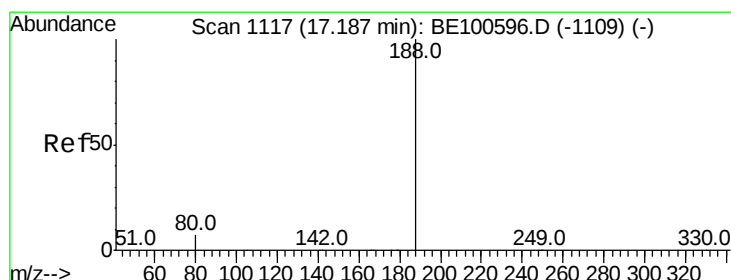
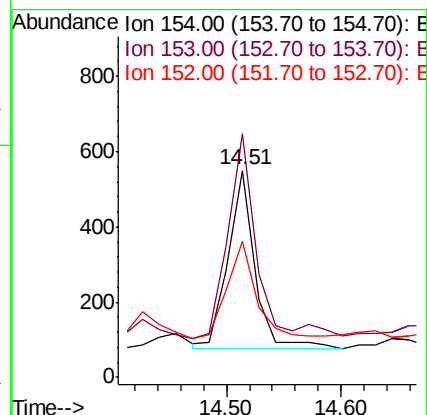
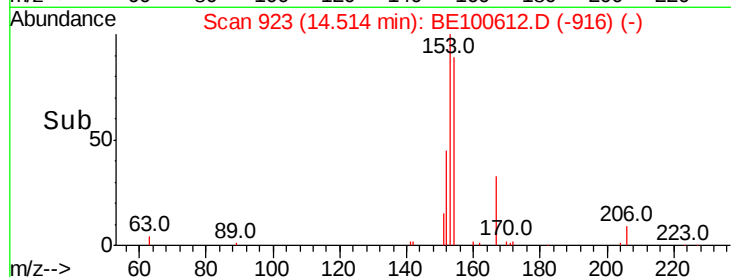
Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

14.51

Time-->



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.17 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BE100612.D

Acq: 8 Oct 2019 17:16

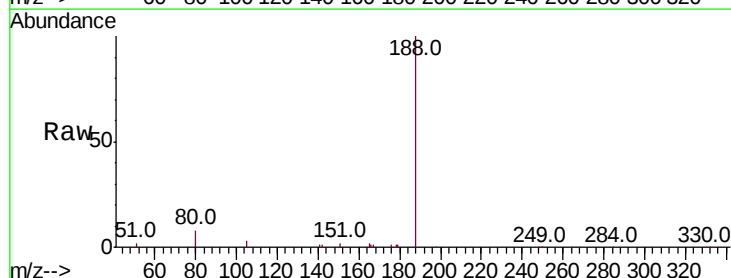
Tgt Ion:188 Resp: 25726

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 8.0 6.2 9.2



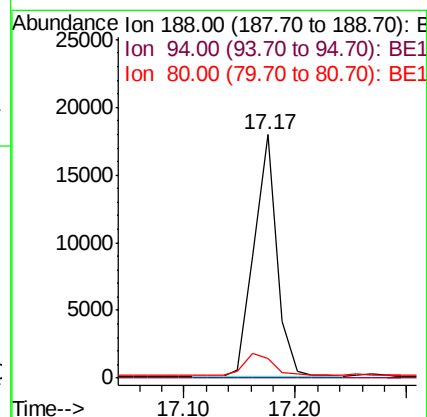
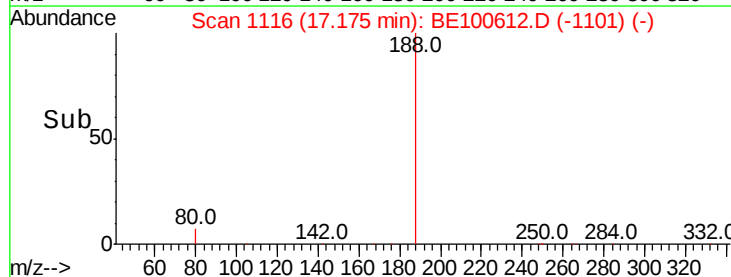
Abundance Ion 188.00 (187.70 to 188.70): E

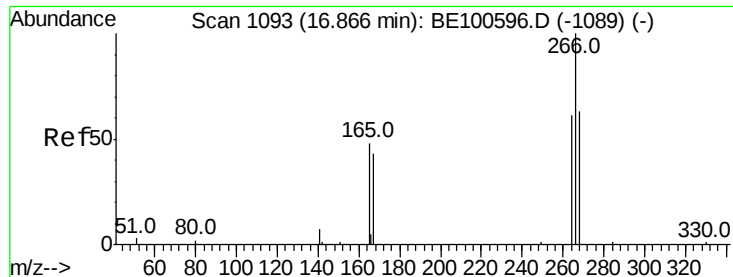
Ion 94.00 (93.70 to 94.70): BE1

Ion 80.00 (79.70 to 80.70): BE1

17.17

Time-->





#22

Pentachlorophenol

Concen: 0.344 ng

RT: 16.83 min Scan# 1090

Delta R.T. -0.03 min

Lab File: BE100612.D

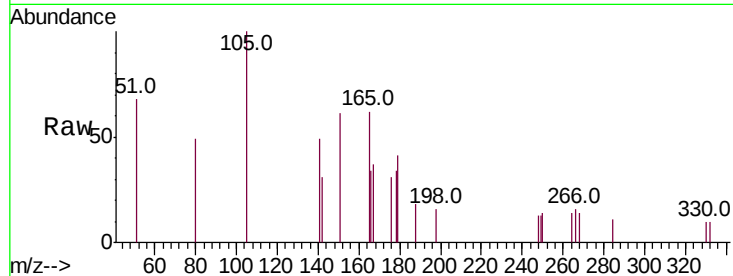
Acq: 8 Oct 2019 17:16

Instrument :

BNA_E

ClientSampled :

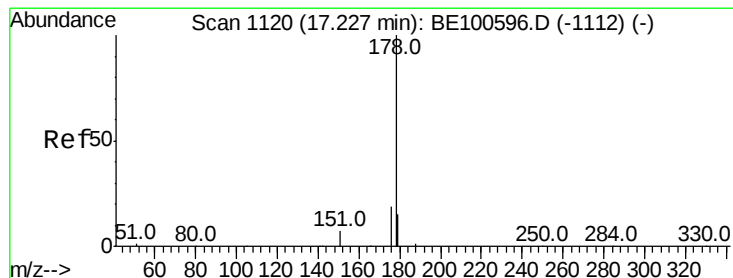
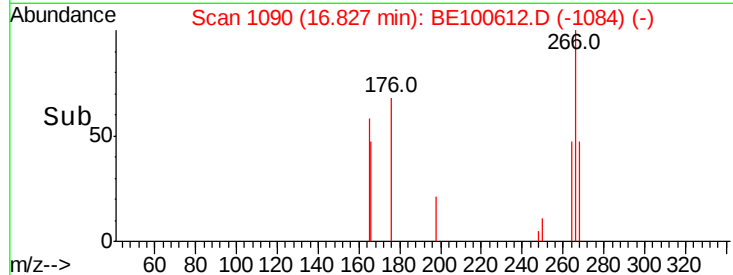
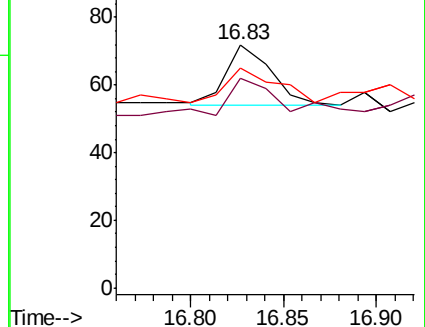
Tot Ion:	266	Resp:	31
Ion	Ratio	Lower	Upper
266	100		
264	86.1	56.3	84.5#
268	90.3	60.3	90.5



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: 0.022 ng

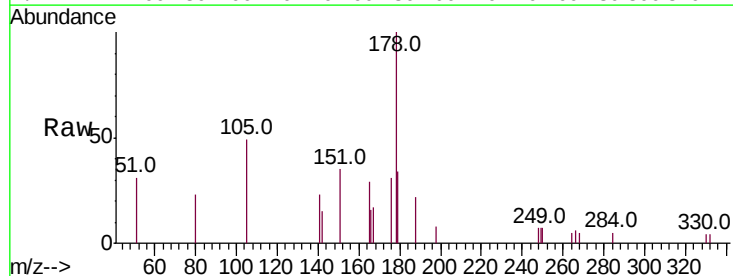
RT: 17.22 min Scan# 1119

Delta R.T. 0.00 min

Lab File: BE100612.D

Acq: 8 Oct 2019 17:16

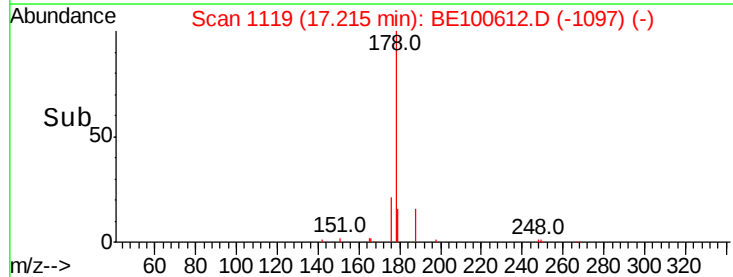
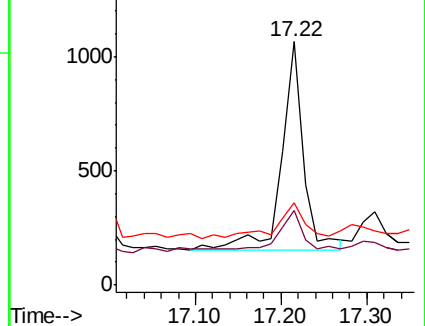
Tgt Ion:	178	Resp:	1617
Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	24.2	12.3	18.5#

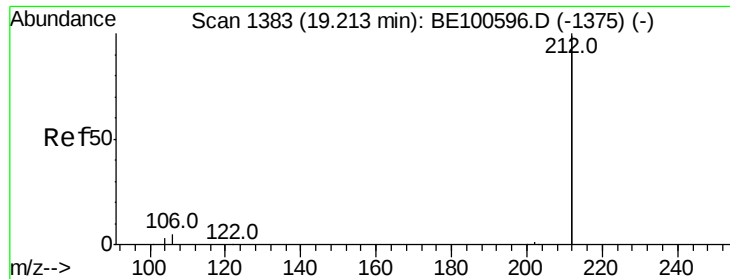


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

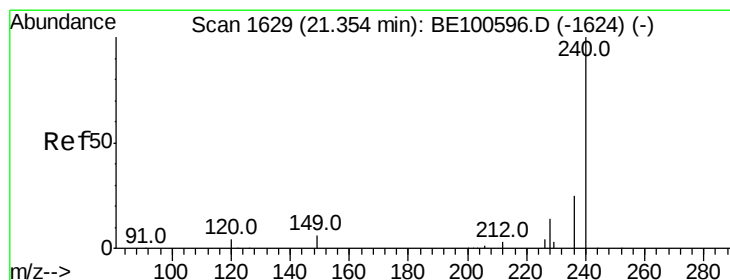
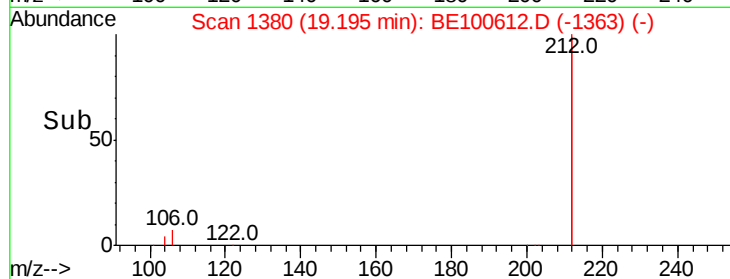
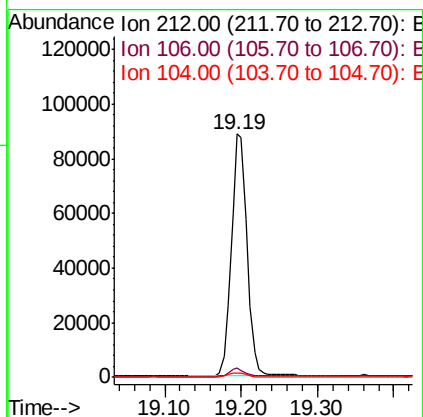
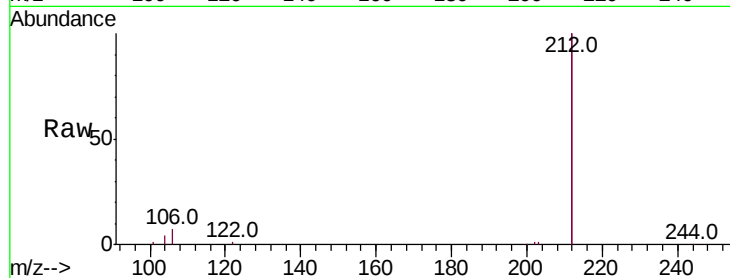




#25
 Fluoranthene-d10
 Concen: 0.403 ng
 RT: 19.19 min Scan# 1380
 Delta R.T. -0.00 min
 Lab File: BE100612.D
 Acq: 8 Oct 2019 17:16

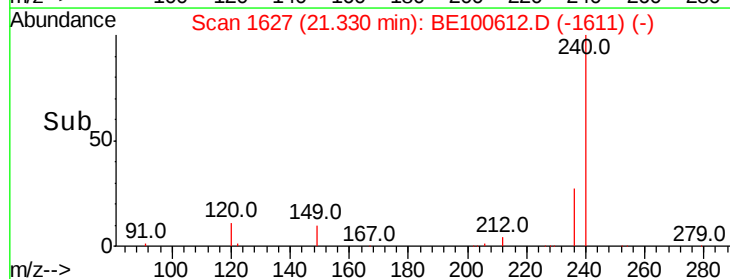
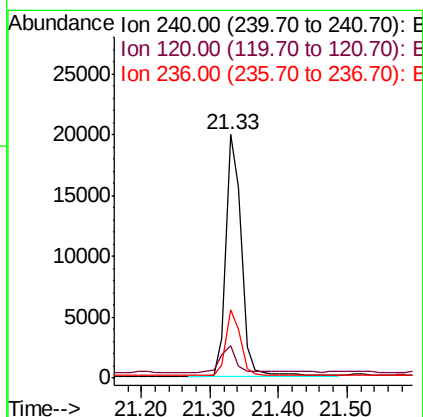
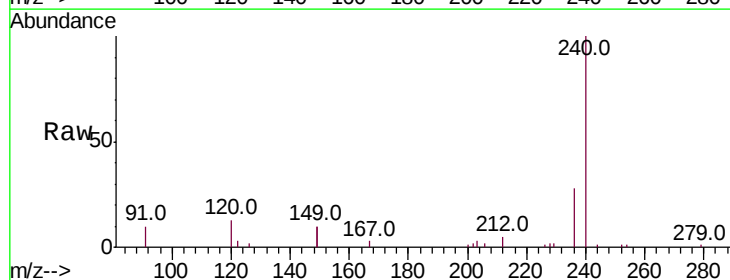
Instrument :
 BNA_E
 ClientSampleId :

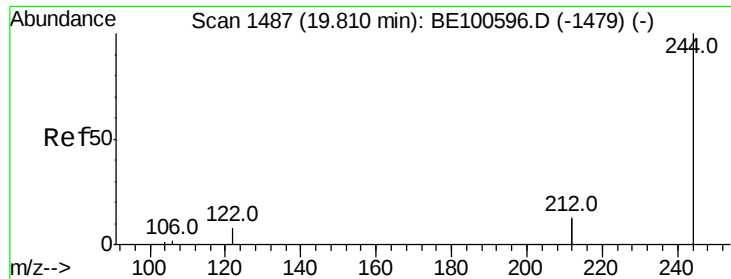
Tot Ion:212 Resp: 128025
 Ion Ratio Lower Upper
 212 100
 106 3.7 2.3 3.5#
 104 1.9 1.3 1.9



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.33 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: BE100612.D
 Acq: 8 Oct 2019 17:16

Tgt Ion:240 Resp: 30944
 Ion Ratio Lower Upper
 240 100
 120 13.5 3.6 5.4#
 236 28.1 20.5 30.7





#29

Terphenyl-d14

Concen: 0.553 ng

RT: 19.79 min Scan# 1484

Delta R.T. -0.01 min

Lab File: BE100612.D

Acq: 8 Oct 2019 17:16

Instrument :

BNA_E

ClientSampleId :

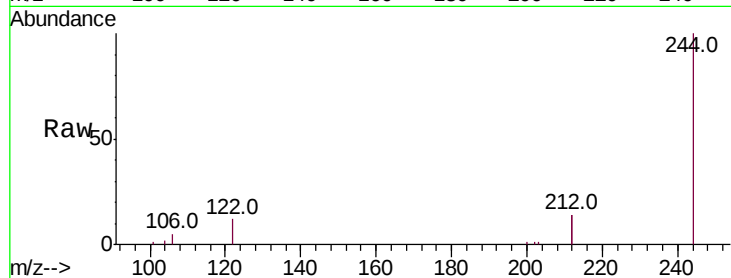
Tot Ion:244 Resp: 37802

Ion Ratio Lower Upper

244 100

212 28.5 20.6 31.0

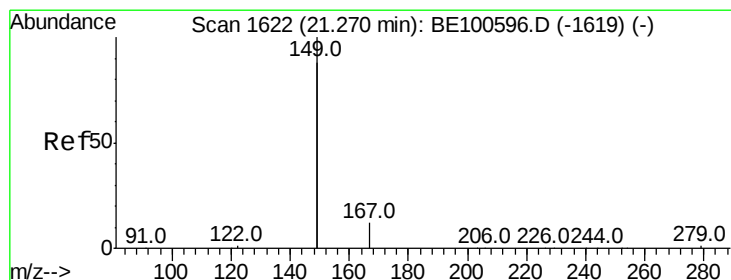
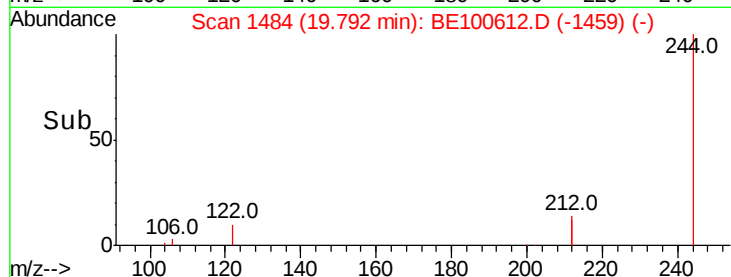
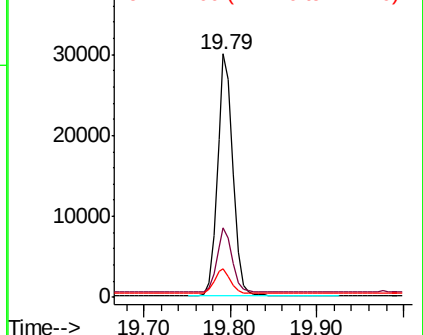
122 11.9 6.5 9.7#



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.191 ng

RT: 21.26 min Scan# 1621

Delta R.T. -0.00 min

Lab File: BE100612.D

Acq: 8 Oct 2019 17:16

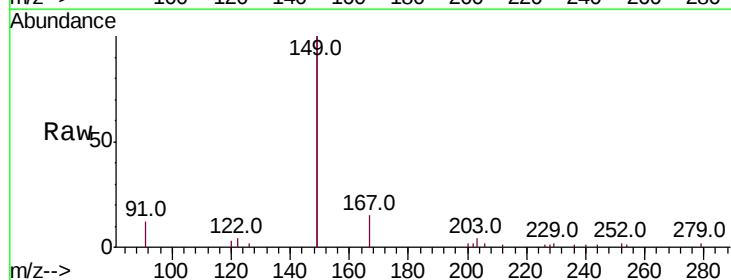
Tgt Ion:149 Resp: 31524

Ion Ratio Lower Upper

149 100

167 6.5 5.4 8.0

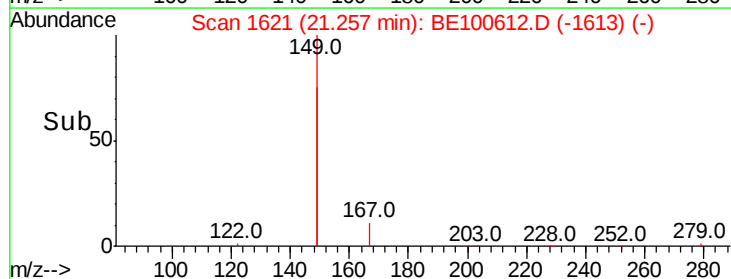
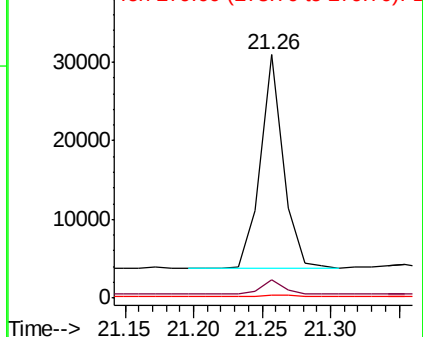
279 1.3 0.9 1.3

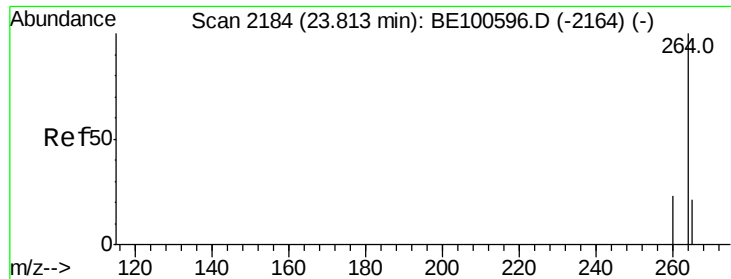


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

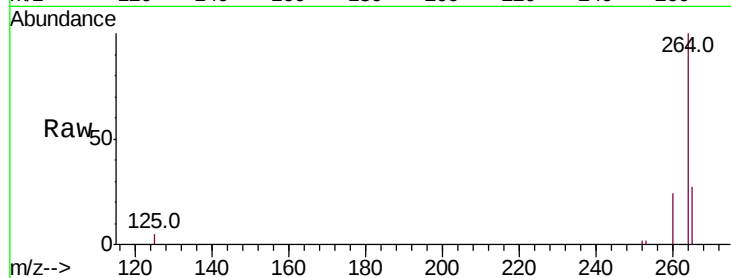




#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.78 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: BE100612.D
 Acq: 8 Oct 2019 17:16

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion: 264 Resp: 35564
 Ion Ratio Lower Upper
 264 100
 260 24.5 19.0 28.4
 265 27.1 20.9 31.3



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

