

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE120519\
 Data File : BE100792.D
 Acq On : 5 Dec 2019 17:00
 Operator : JU
 Sample : K6053-02MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-084-SW178-112519-1MSD

Quant Time: Dec 05 18:03:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE120419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 04 17:18:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	6619	0.40	ng	0.00
7) Naphthalene-d8	10.54	136	29064	0.40	ng	0.00
13) Acenaphthene-d10	14.40	164	15719	0.40	ng	0.00
19) Phenanthrene-d10	17.12	188	32727	0.40	ng	-0.01
27) Chrysene-d12	21.30	240	39971	0.40	ng	0.00
34) Perylene-d12	23.76	264	50333	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.37	112	6515	0.41	ng	0.00
5) Phenol-d6	6.93	99	10691	0.45	ng	0.00
8) Nitrobenzene-d5	8.90	82	7175	0.52	ng	0.00
11) 2-Methylnaphthalene-d10	12.14	152	22570	0.54	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	1564	0.89	ng	0.00
15) 2-Fluorobiphenyl	13.03	172	17377	0.28	ng	0.00
25) Fluoranthene-d10	19.16	212	118680	0.31	ng	0.00
29) Terphenyl-d14	19.76	244	23943	0.25	ng	0.00

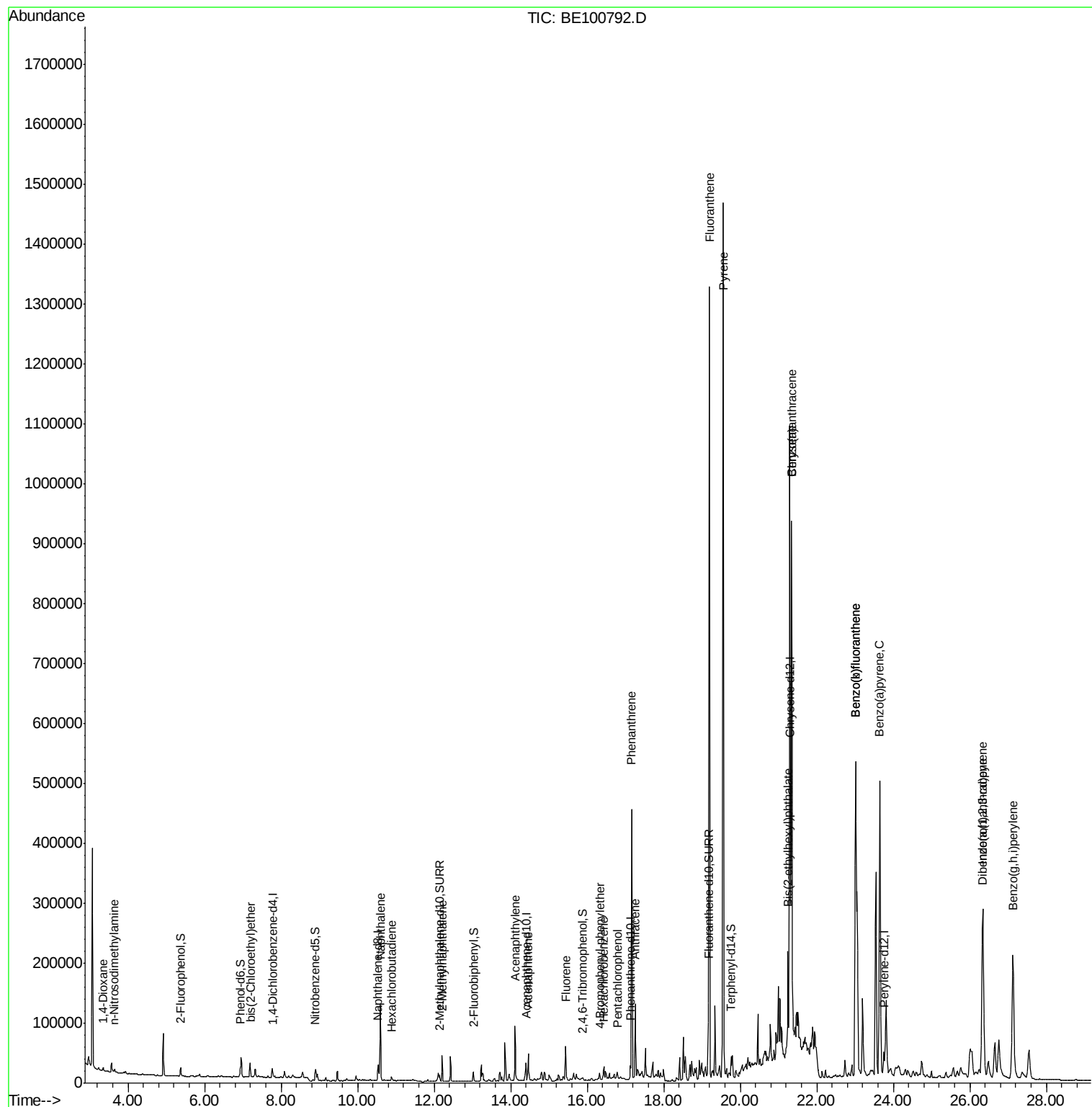
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.35	88	3206	0.266	ng	# 53
3) n-Nitrosodimethylamine	3.64	42	4157	0.423	ng	# 88
6) bis(2-Chloroethyl)ether	7.19	93	8394	0.366	ng	96
9) Naphthalene	10.59	128	194521	0.630	ng	100
10) Hexachlorobutadiene	10.89	225	3812	0.317	ng	96
12) 2-Methylnaphthalene	12.21	142	27495	0.570	ng	99
16) Acenaphthylene	14.11	152	113478	1.745	ng	99
17) Acenaphthene	14.46	154	21358	0.477	ng	98
18) Fluorene	15.43	166	45403	0.786	ng	92
20) 4-Bromophenyl-phenylether	16.33	248	5741	0.358	ng	100
21) Hexachlorobenzene	16.44	284	5224	0.299	ng	99
22) Pentachlorophenol	16.79	266	4050	3.357	ng	82
23) Phenanthrene	17.16	178	530838	5.355	ng	99
24) Anthracene	17.26	178	134297	1.620	ng	97
26) Fluoranthene	19.19	202	1199353	10.137	ng	98
28) Pyrene	19.55	202	1318007	10.148	ng	96
30) Benzo(a)anthracene	21.34	228	799859	6.789	ng	92
31) Chrysene	21.34	228	795739	5.748	ng	96
32) Bis(2-ethylhexyl)phthalate	21.24	149	173056	1.639	ng	99
33) Indeno(1,2,3-cd)pyrene	26.33	276	497205	4.123	ng	97
35) Benzo(b)fluoranthene	23.01	252	950254	6.896	ng	99
36) Benzo(k)fluoranthene	23.01	252	950254	6.149	ng	98
37) Benzo(a)pyrene	23.65	252	777326	6.515	ng	98
38) Dibenzo(a,h)anthracene	26.35	278	164847	1.389	ng	95
39) Benzo(g,h,i)perylene	27.13	276	491068	3.869	ng	99

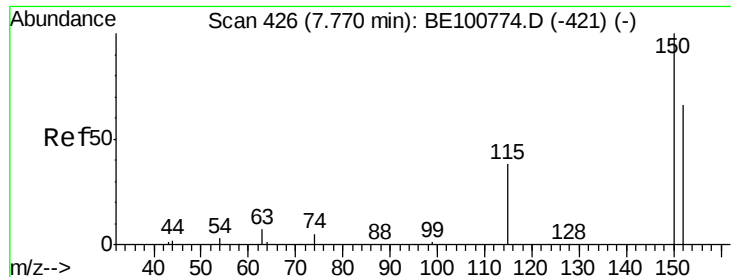
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Dec 04 17:18:11 2019
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.77 min Scan# 426

Delta R.T. 0.00 min

Lab File: BE100792.D

Acq: 5 Dec 2019 17:00

Instrument :

BNA_E

ClientSampleId :

EXT-084-SW178-112519-1MSD

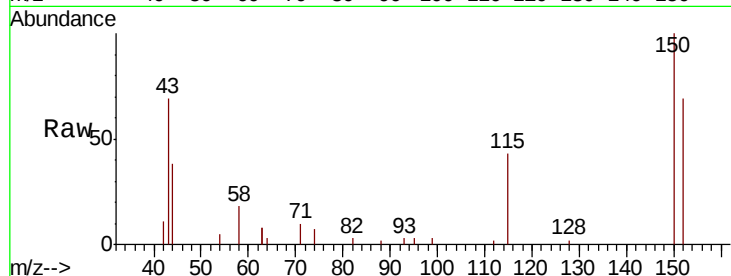
Tot Ion:152 Resp: 6619

Ion Ratio Lower Upper

152 100

150 145.0 120.6 181.0

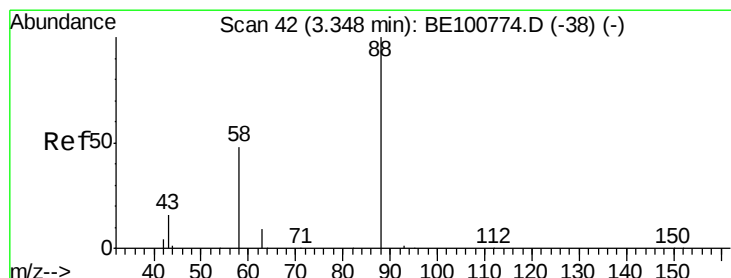
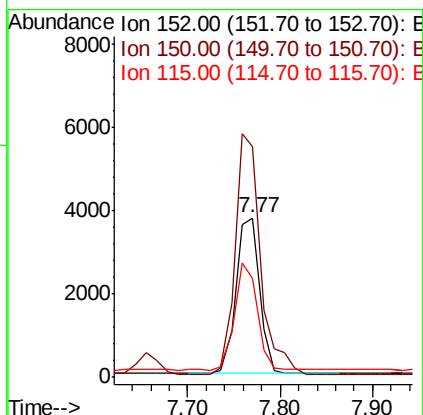
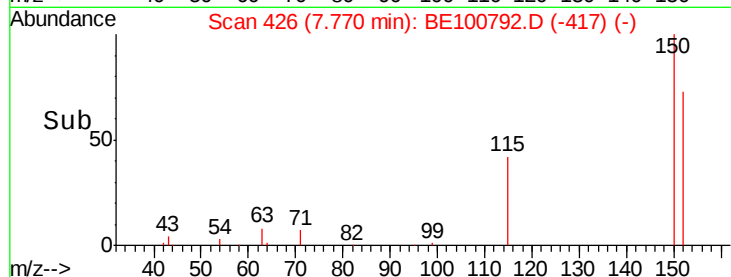
115 61.9 47.4 71.2



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: 0.266 ng

RT: 3.35 min Scan# 42

Delta R.T. 0.00 min

Lab File: BE100792.D

Acq: 5 Dec 2019 17:00

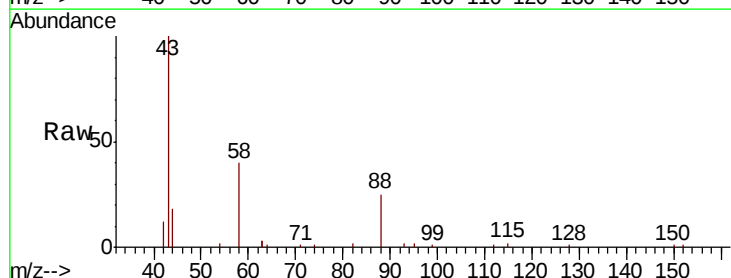
Tgt Ion: 88 Resp: 3206

Ion Ratio Lower Upper

88 100

58 79.8 52.5 78.7#

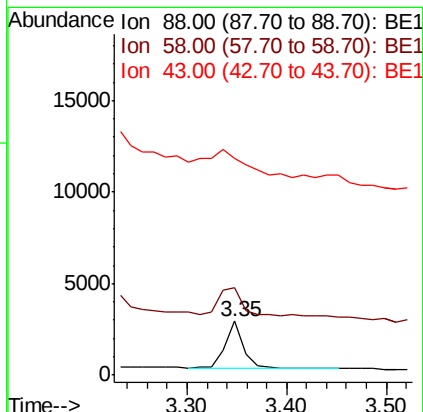
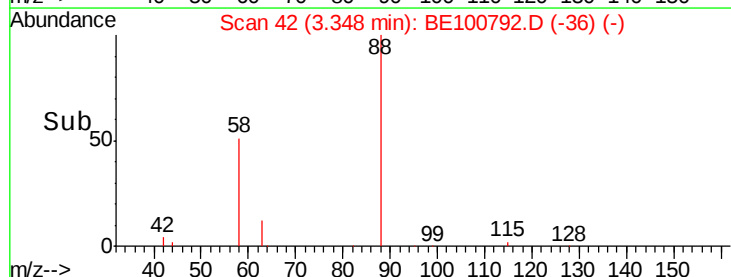
43 88.5 23.0 34.6#



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





#3

n-Nitrosodimethylamine

Concen: 0.423 ng

RT: 3.64 min Scan# 67

Delta R.T. -0.02 min

Lab File: BE100792.D

Acq: 5 Dec 2019 17:00

Instrument :

BNA_E

ClientSampleId :

EXT-084-SW178-112519-1MSD

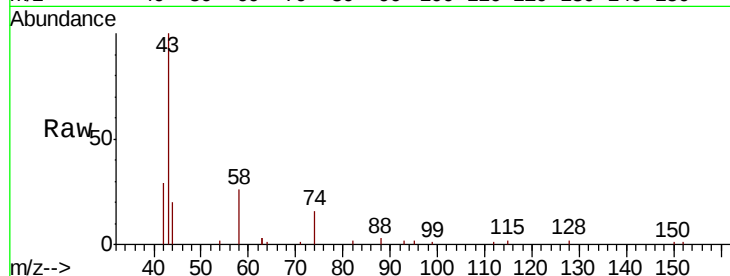
Tot Ion: 42 Resp: 4157

Ion Ratio Lower Upper

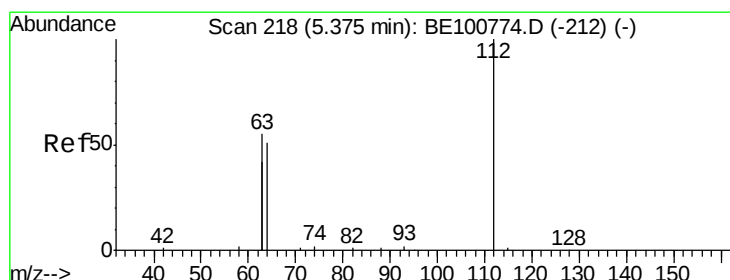
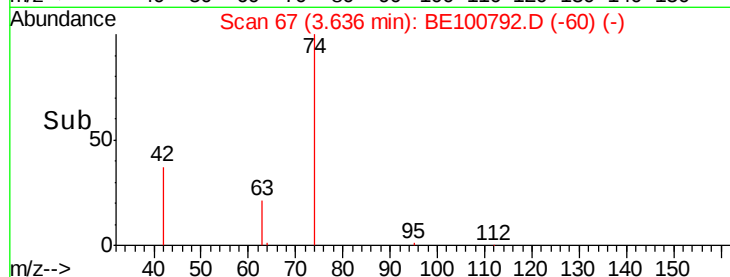
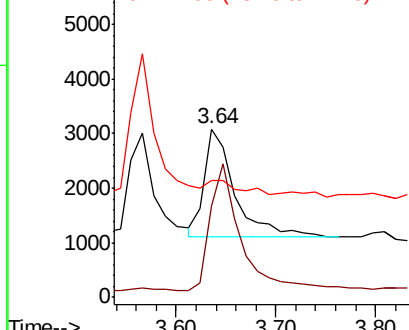
42 100

74 120.8 86.3 129.5

44 11.4 11.6 17.4#



Abundance Ion 42.00 (41.70 to 42.70): BE1
Ion 74.00 (73.70 to 74.70): BE1
Ion 44.00 (43.70 to 44.70): BE1



#4

2-Fluorophenol

Concen: 0.415 ng

RT: 5.37 min Scan# 218

Delta R.T. 0.00 min

Lab File: BE100792.D

Acq: 5 Dec 2019 17:00

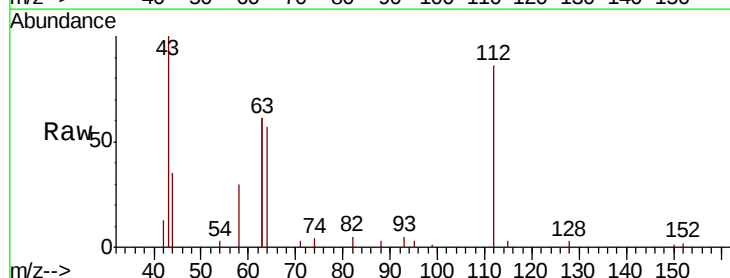
Tgt Ion: 112 Resp: 6515

Ion Ratio Lower Upper

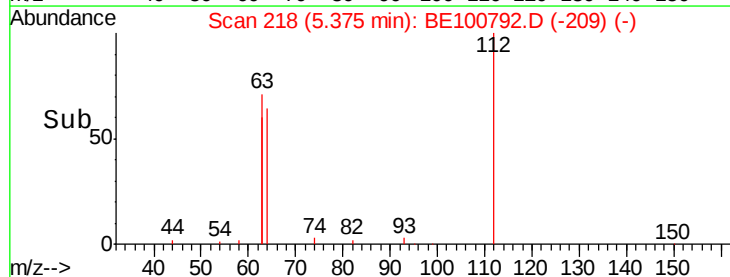
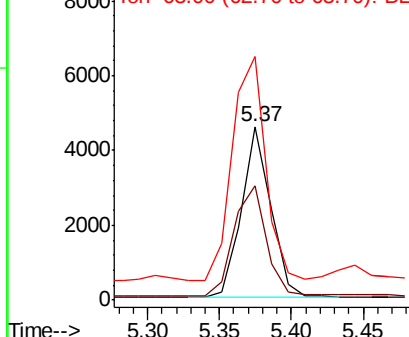
112 100

64 70.5 54.1 81.1

63 146.0 113.2 169.8



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: 0.451 ng

RT: 6.93 min Scan# 353

Delta R.T. 0.00 min

Lab File: BE100792.D

Acq: 5 Dec 2019 17:00

Instrument :

BNA_E

ClientSampleId :

EXT-084-SW178-112519-1MSD

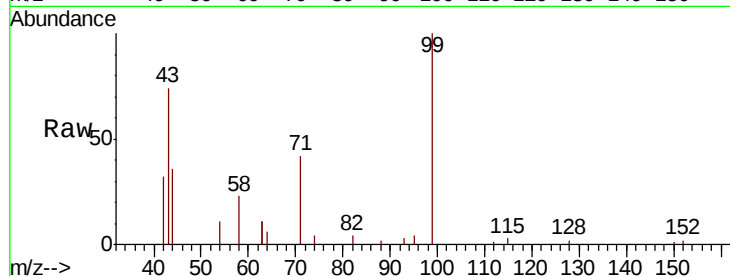
Tot Ion: 99 Resp: 10691

Ion Ratio Lower Upper

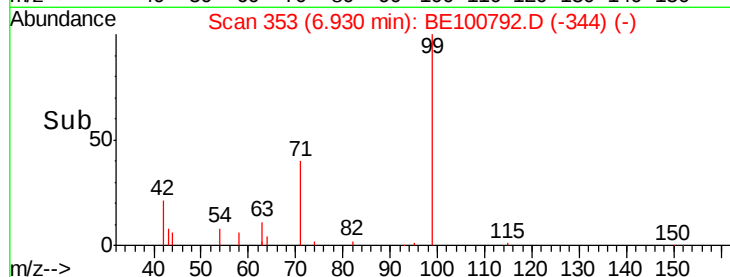
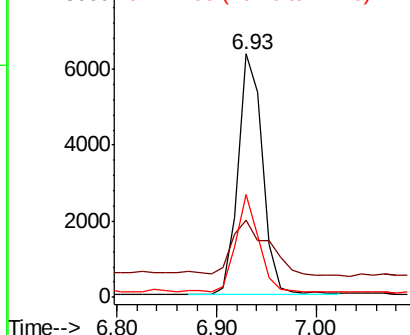
99 100

42 35.3 19.1 28.7#

71 38.0 27.7 41.5



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: 0.366 ng

RT: 7.19 min Scan# 376

Delta R.T. 0.00 min

Lab File: BE100792.D

Acq: 5 Dec 2019 17:00

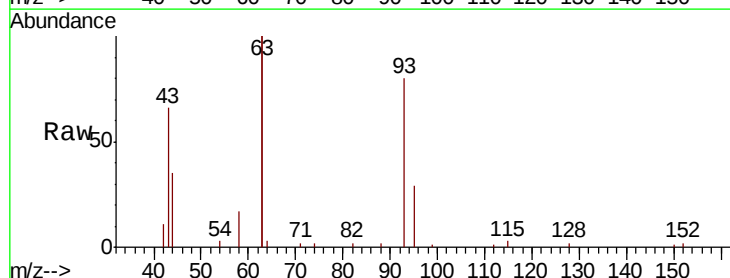
Tgt Ion: 93 Resp: 8394

Ion Ratio Lower Upper

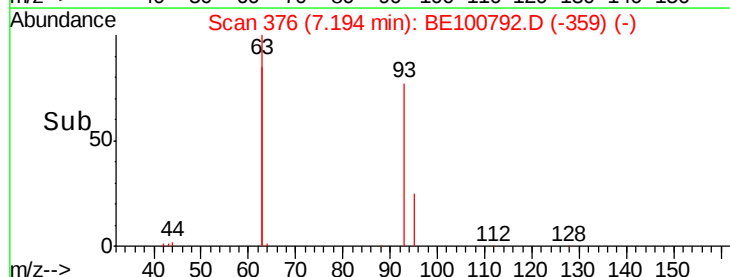
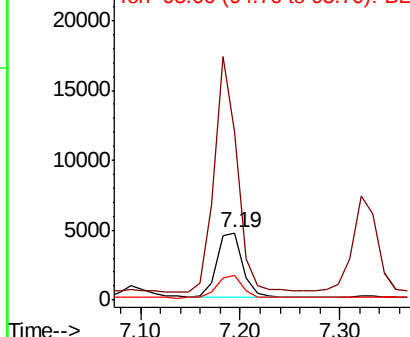
93 100

63 316.4 259.4 389.0

95 33.8 26.2 39.2



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: 10.54 min Scan# 644

Delta R.T. 0.00 min

Lab File: BE100792.D

Acq: 5 Dec 2019 17:00

Instrument :

BNA_E

ClientSampleId :

EXT-084-SW178-112519-1MSD

Tot Ion:136 Resp: 29064

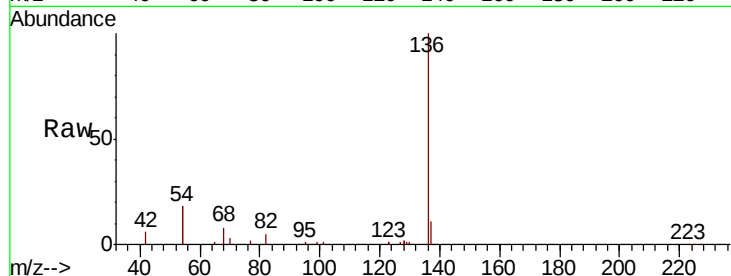
Ion Ratio Lower Upper

136 100

137 11.5 9.4 14.0

54 35.7 31.1 46.7

68 8.1 6.6 10.0

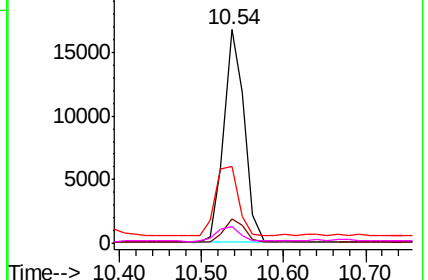
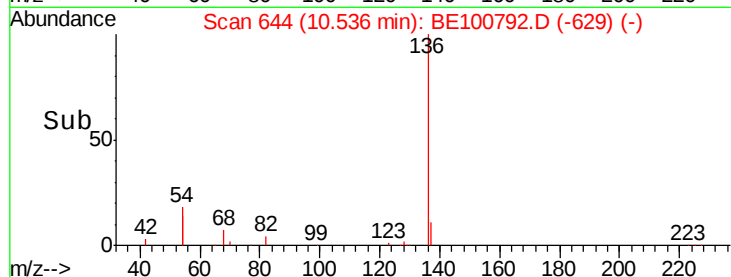


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.518 ng

RT: 8.90 min Scan# 518

Delta R.T. 0.00 min

Lab File: BE100792.D

Acq: 5 Dec 2019 17:00

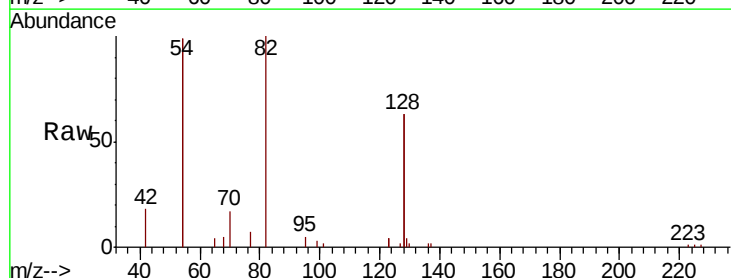
Tgt Ion: 82 Resp: 7175

Ion Ratio Lower Upper

82 100

128 126.2 97.0 145.4

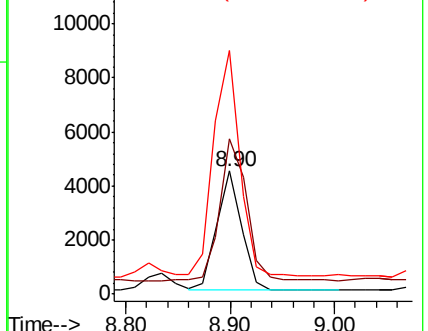
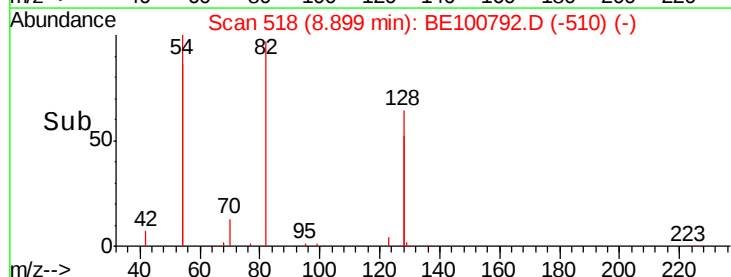
54 198.5 171.8 257.6



Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.630 ng

RT: 10.59 min Scan# 648

Delta R.T. 0.00 min

Lab File: BE100792.D

Acq: 5 Dec 2019 17:00

Instrument :

BNA_E

ClientSampleId :

EXT-084-SW178-112519-1MSD

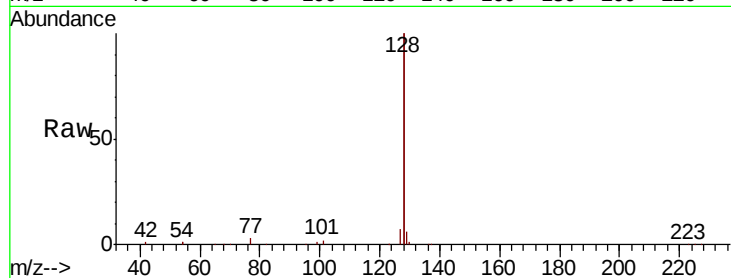
Tot Ion:128 Resp: 194521

Ion Ratio Lower Upper

128 100

129 2.8 2.2 3.4

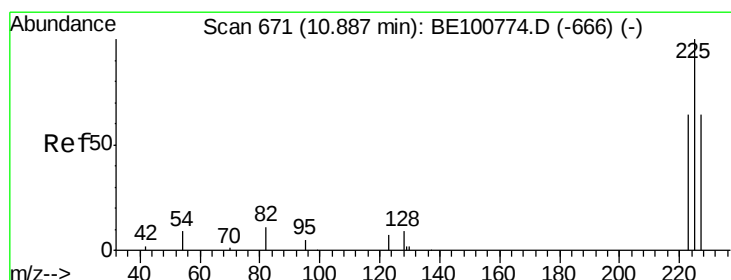
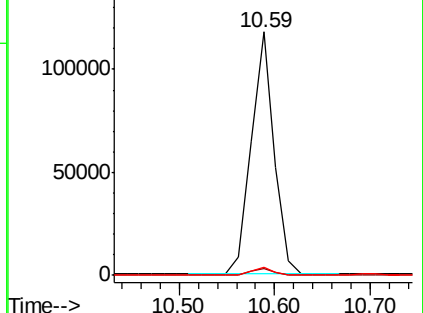
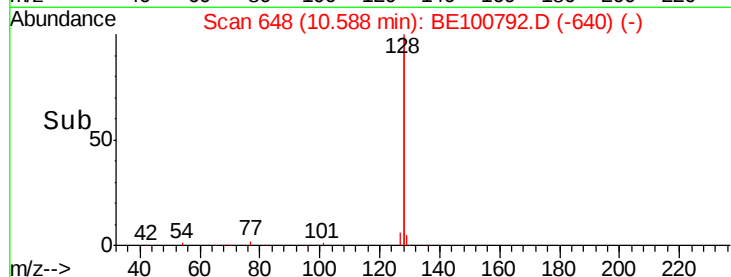
127 3.3 2.7 4.1



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: 0.317 ng

RT: 10.89 min Scan# 671

Delta R.T. 0.00 min

Lab File: BE100792.D

Acq: 5 Dec 2019 17:00

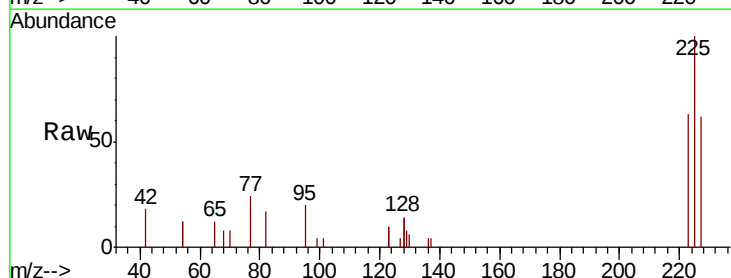
Tgt Ion:225 Resp: 3812

Ion Ratio Lower Upper

225 100

223 60.7 49.9 74.9

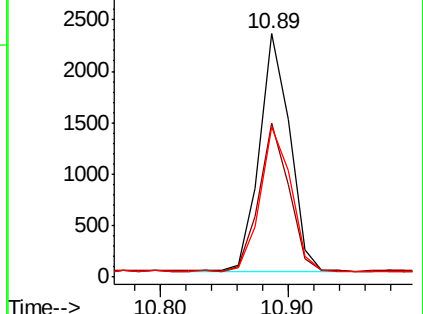
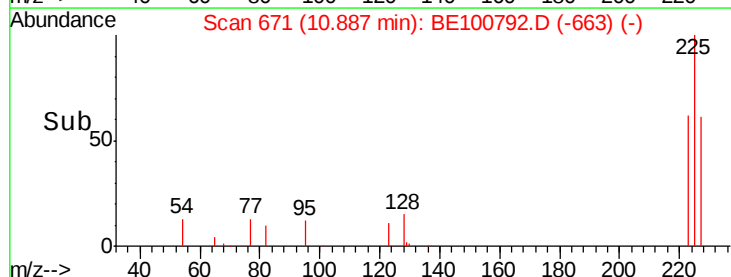
227 61.1 52.2 78.4



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

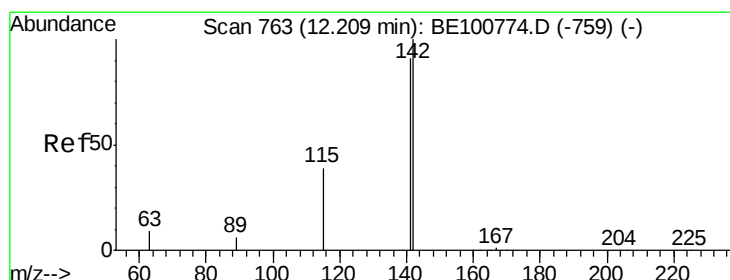
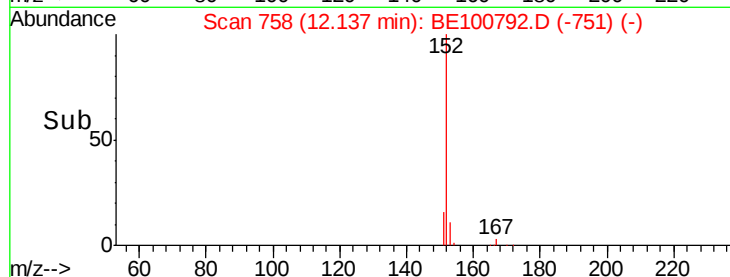
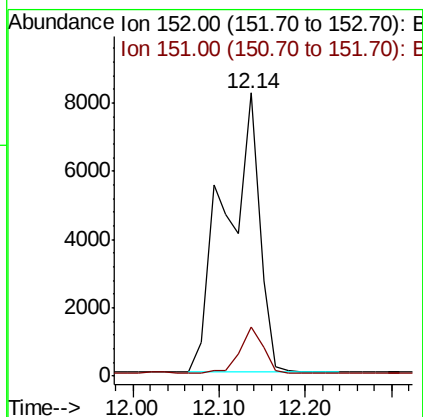
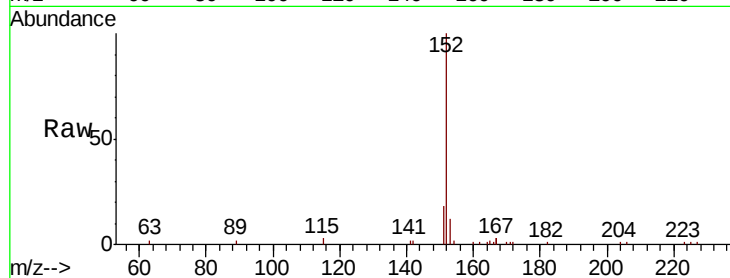




#11
2-Methylnaphthalene-d10
Concen: 0.536 ng
RT: 12.14 min Scan# 758
Delta R.T. 0.00 min
Lab File: BE100792.D
Acq: 5 Dec 2019 17:00

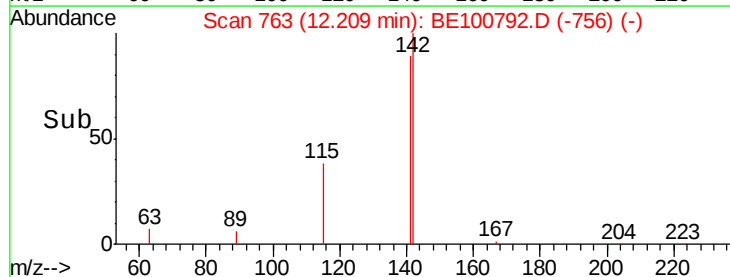
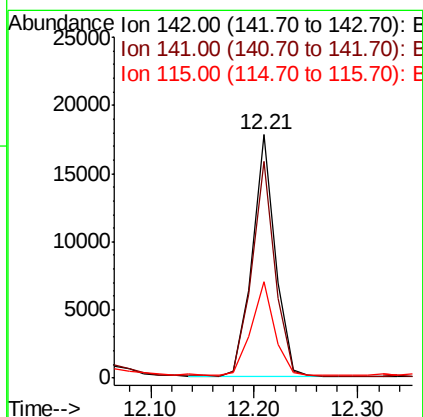
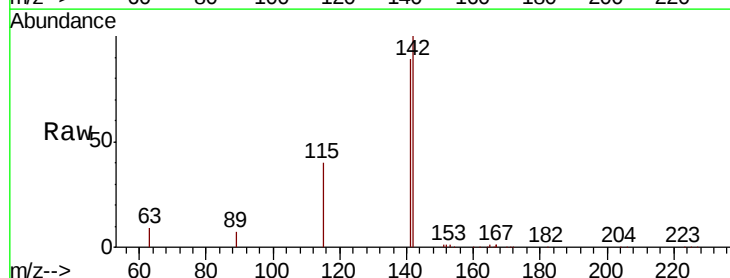
Instrument :
BNA_E
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EXT-084-SW178-112519-1MSD

Tot Ion:152 Resp: 22570
Ion Ratio Lower Upper
152 100
151 11.3 15.8 23.8#



#12
2-Methylnaphthalene
Concen: 0.570 ng
RT: 12.21 min Scan# 763
Delta R.T. 0.00 min
Lab File: BE100792.D
Acq: 5 Dec 2019 17:00

Tgt Ion:142 Resp: 27495
Ion Ratio Lower Upper
142 100
141 89.1 72.6 108.8
115 39.7 31.8 47.6

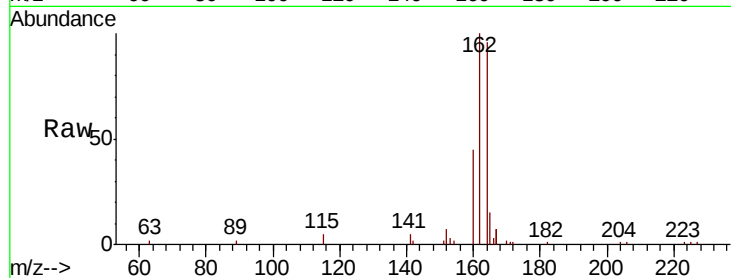




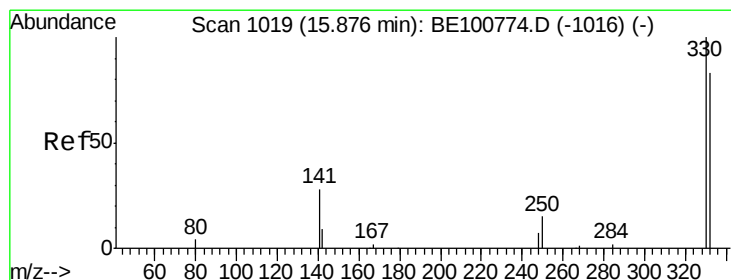
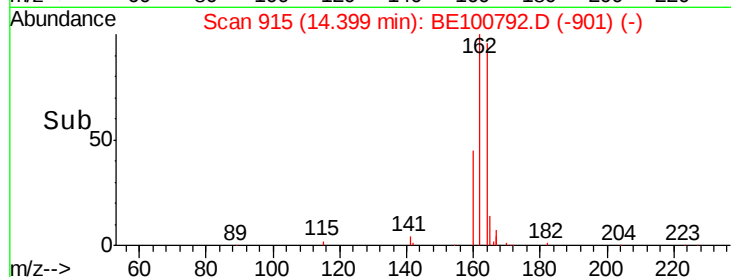
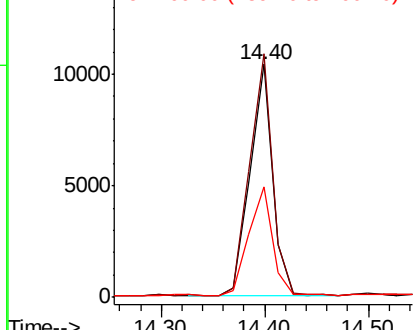
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.40 min Scan# 915
Delta R.T. 0.00 min
Lab File: BE100792.D
Acq: 5 Dec 2019 17:00

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW178-112519-1MSD

Tot Ion:164 Resp: 15719
Ion Ratio Lower Upper
164 100
162 104.5 81.4 122.0
160 47.4 39.4 59.0

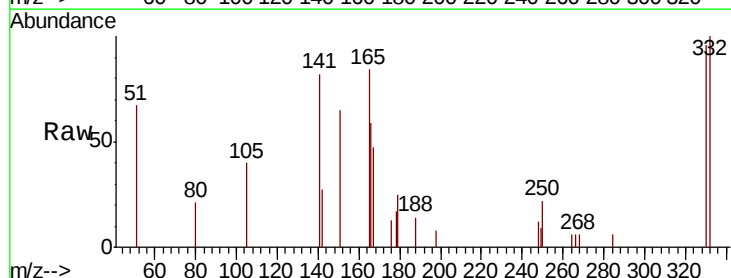


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

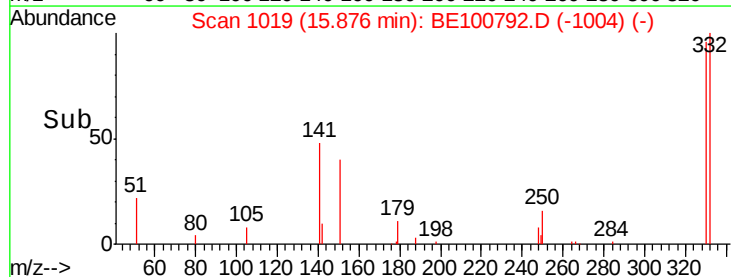
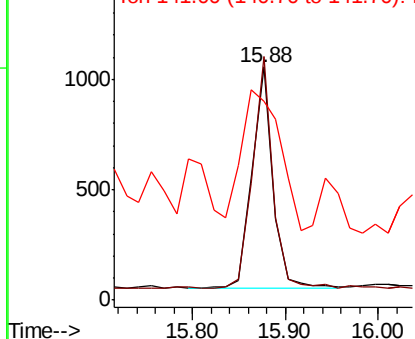


#14
2,4,6-Tribromophenol
Concen: 0.895 ng
RT: 15.88 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BE100792.D
Acq: 5 Dec 2019 17:00

Tgt Ion:330 Resp: 1564
Ion Ratio Lower Upper
330 100
332 103.1 69.4 104.2
141 116.2 51.1 76.7#



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

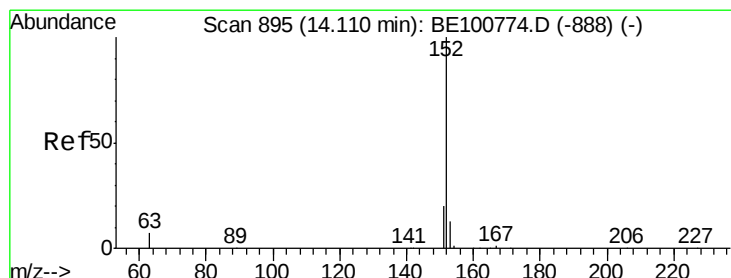
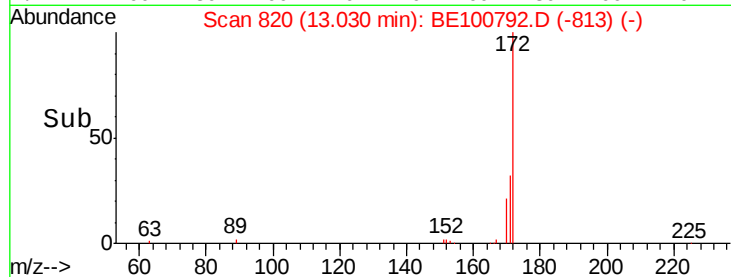
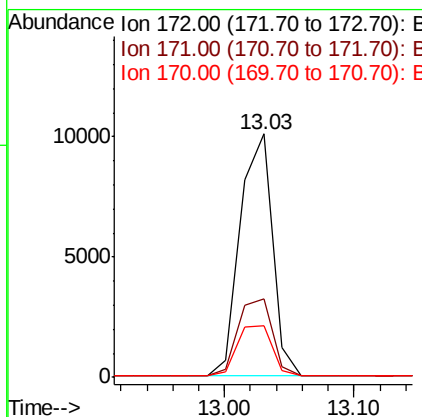
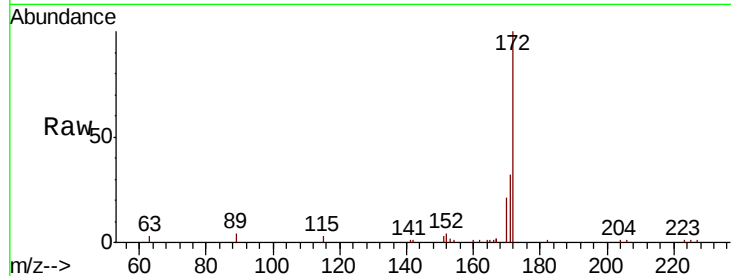




#15
2-Fluorobiphenyl
Concen: 0.279 ng
RT: 13.03 min Scan# 820
Delta R.T. 0.00 min
Lab File: BE100792.D
Acq: 5 Dec 2019 17:00

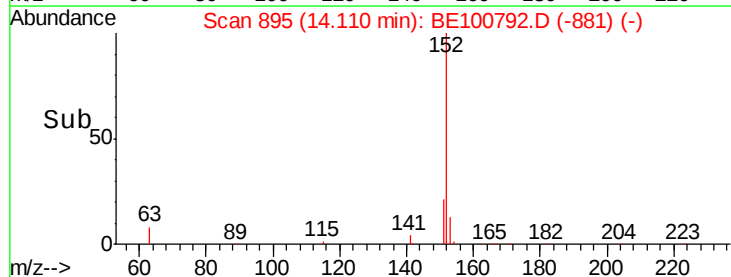
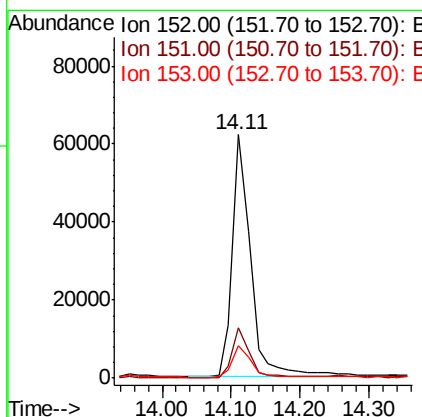
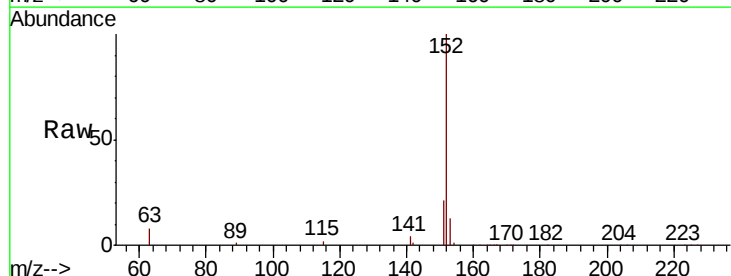
Instrument :
BNA_E
ClientSampleId :
EXT-084-SW178-112519-1MSD

Tot Ion:172 Resp: 17377
Ion Ratio Lower Upper
172 100
171 32.1 27.2 40.8
170 21.4 18.0 27.0



#16
Acenaphthylene
Concen: 1.745 ng
RT: 14.11 min Scan# 895
Delta R.T. 0.00 min
Lab File: BE100792.D
Acq: 5 Dec 2019 17:00

Tgt Ion:152 Resp: 113478
Ion Ratio Lower Upper
152 100
151 19.9 15.8 23.6
153 13.4 10.4 15.6

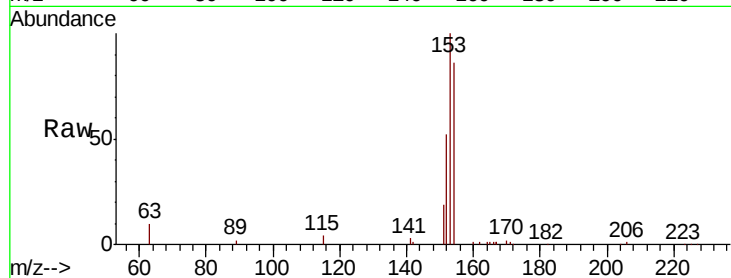




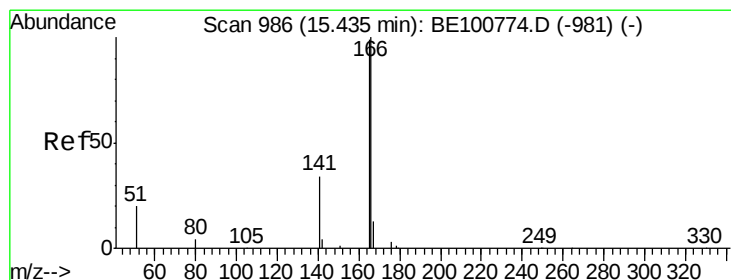
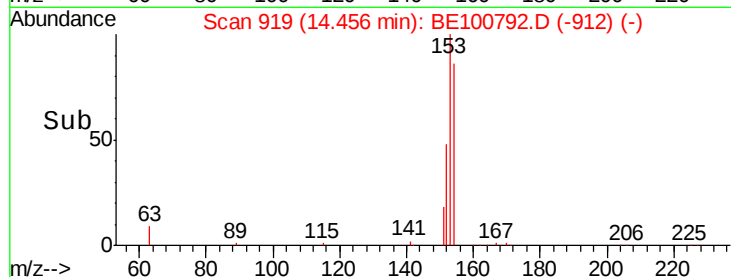
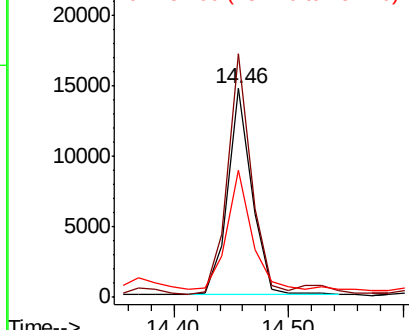
#17
Acenaphthene
Concen: 0.477 ng
RT: 14.46 min Scan# 919
Delta R.T. 0.00 min
Lab File: BE100792.D
Acq: 5 Dec 2019 17:00

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW178-112519-1MSD

Tot Ion:154 Resp: 21358
Ion Ratio Lower Upper
154 100
153 114.7 92.2 138.2
152 57.9 49.1 73.7

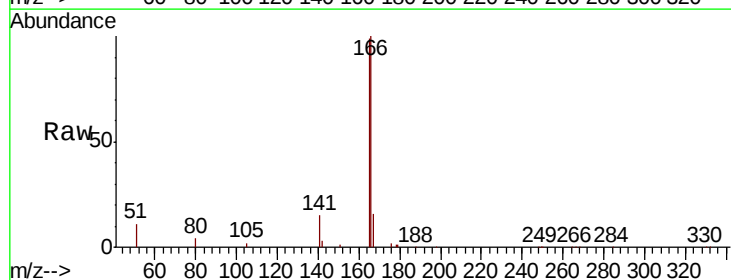


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

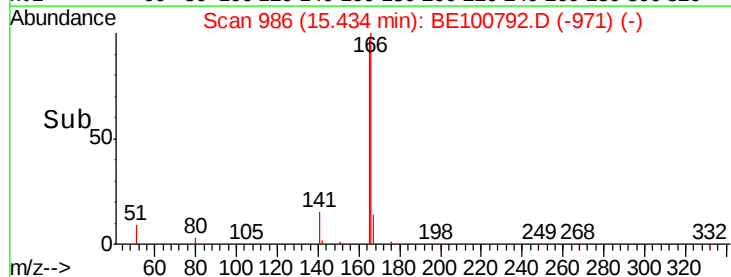
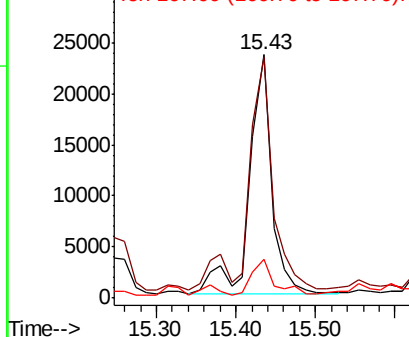


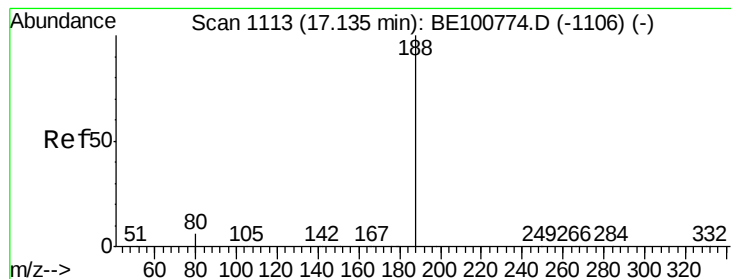
#18
Fluorene
Concen: 0.786 ng
RT: 15.43 min Scan# 986
Delta R.T. -0.00 min
Lab File: BE100792.D
Acq: 5 Dec 2019 17:00

Tgt Ion:166 Resp: 45403
Ion Ratio Lower Upper
166 100
165 109.7 80.5 120.7
167 15.0 10.7 16.1



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.12 min Scan# 1112

Delta R.T. -0.01 min

Lab File: BE100792.D

Acq: 5 Dec 2019 17:00

Instrument :

BNA_E

ClientSampleId :

EXT-084-SW178-112519-1MSD

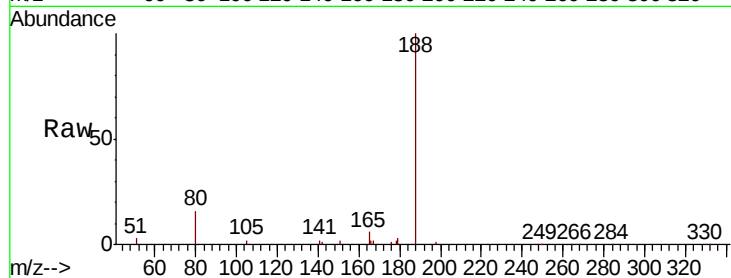
Tot Ion:188 Resp: 32727

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 16.0 5.2 7.8#



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

25000

20000

15000

10000

5000

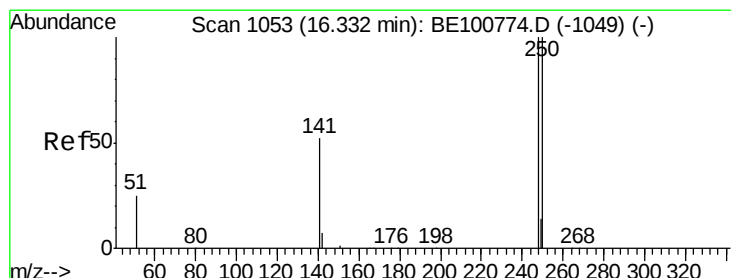
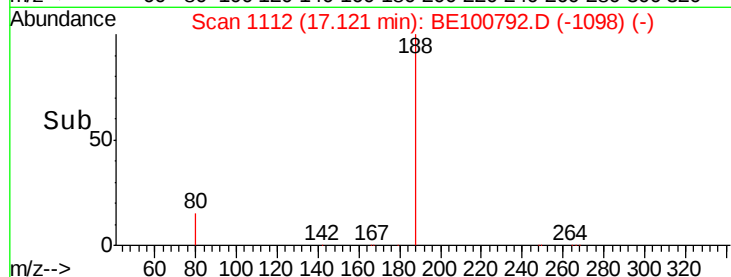
0

17.12

17.10

17.20

Time-->



#20

4-Bromophenyl-phenylether

Concen: 0.358 ng

RT: 16.33 min Scan# 1053

Delta R.T. -0.00 min

Lab File: BE100792.D

Acq: 5 Dec 2019 17:00

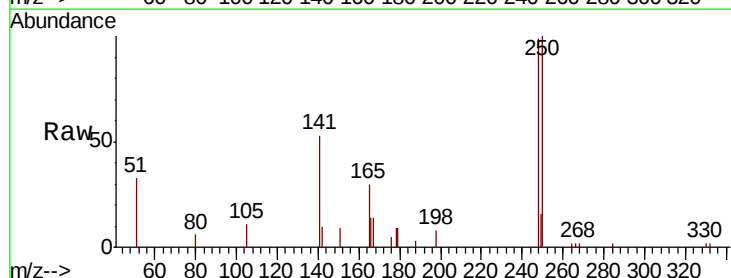
Tgt Ion:248 Resp: 5741

Ion Ratio Lower Upper

248 100

250 100.9 80.5 120.7

141 53.5 42.6 64.0



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

5000

4000

3000

2000

1000

0

16.33

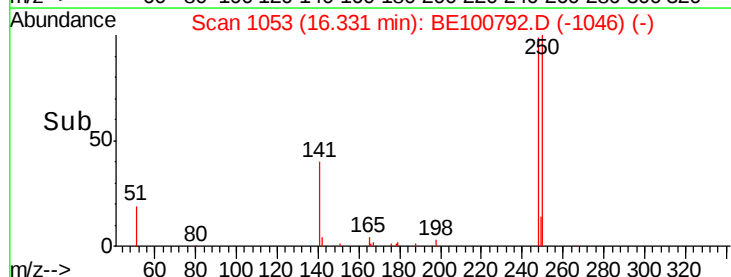
16.25

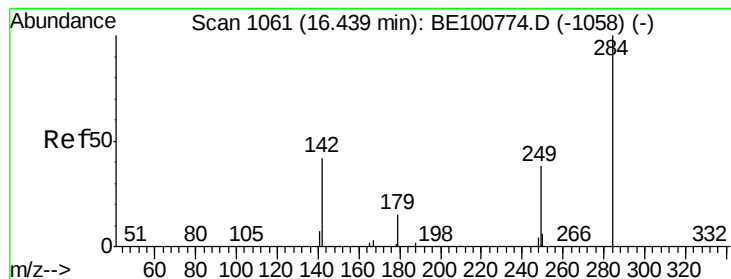
16.30

16.35

16.40

Time-->





#21

Hexachlorobenzene

Concen: 0.299 ng

RT: 16.44 min Scan# 1061

Delta R.T. -0.00 min

Lab File: BE100792.D

Acq: 5 Dec 2019 17:00

Instrument :

BNA_E

ClientSampleId :

EXT-084-SW178-112519-1MSD

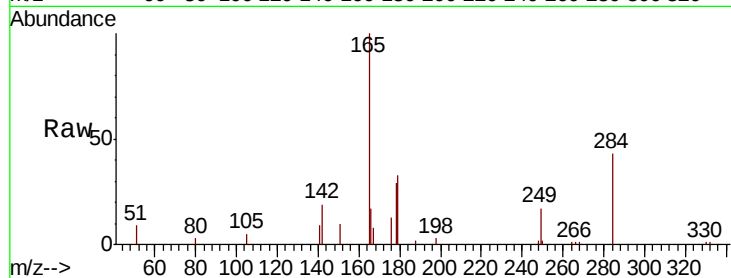
Tot Ion:284 Resp: 5224

Ion Ratio Lower Upper

284 100

142 44.0 34.4 51.6

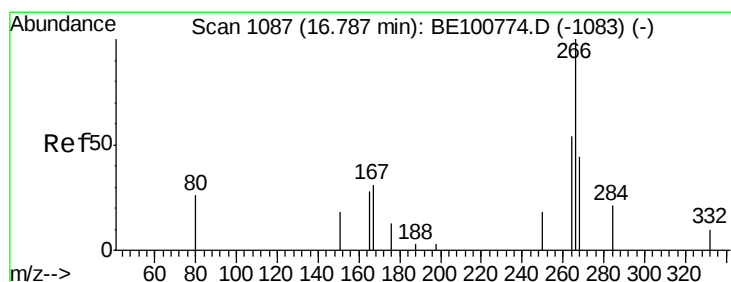
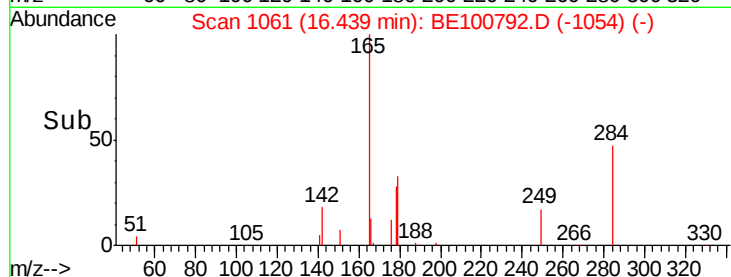
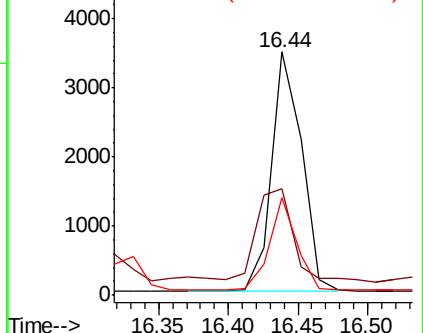
249 35.0 28.5 42.7



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: 3.357 ng

RT: 16.79 min Scan# 1087

Delta R.T. -0.00 min

Lab File: BE100792.D

Acq: 5 Dec 2019 17:00

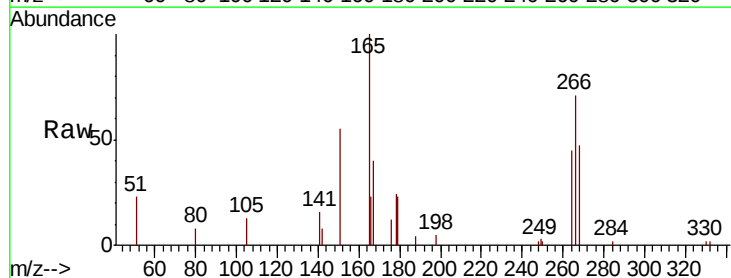
Tgt Ion:266 Resp: 4050

Ion Ratio Lower Upper

266 100

264 64.3 63.4 95.0

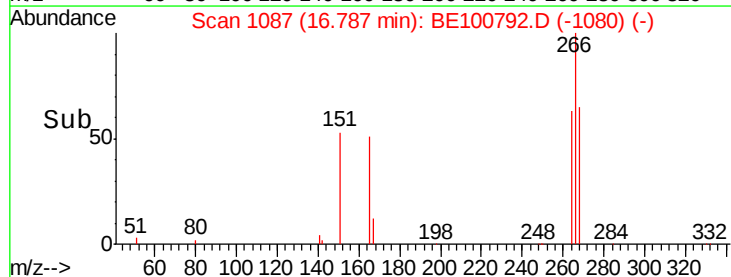
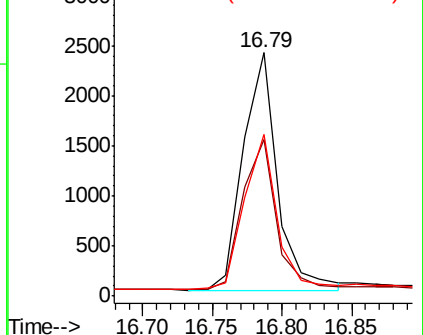
268 66.1 65.8 98.8



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: 5.355 ng

RT: 17.16 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BE100792.D

Acq: 5 Dec 2019 17:00

Instrument :

BNA_E

ClientSampleId :

EXT-084-SW178-112519-1MSD

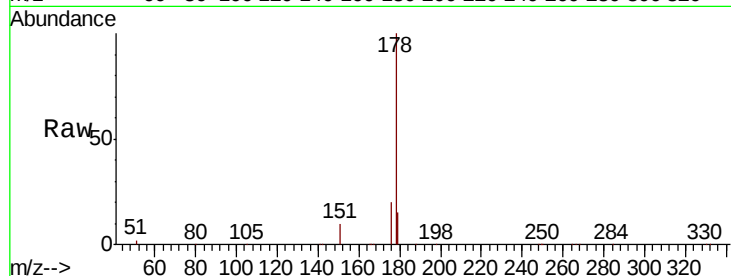
Tot Ion:178 Resp: 530838

Ion Ratio Lower Upper

178 100

176 19.5 15.5 23.3

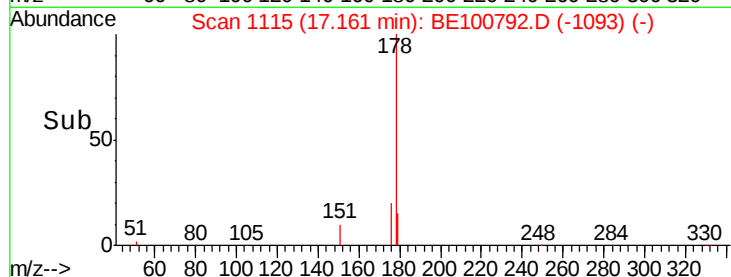
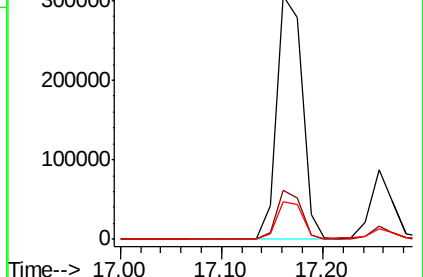
179 15.7 12.3 18.5



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



#24

Anthracene

Concen: 1.620 ng

RT: 17.26 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE100792.D

Acq: 5 Dec 2019 17:00

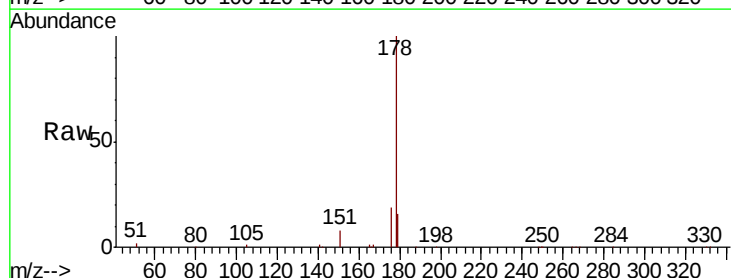
Tgt Ion:178 Resp: 134297

Ion Ratio Lower Upper

178 100

176 18.5 15.4 23.2

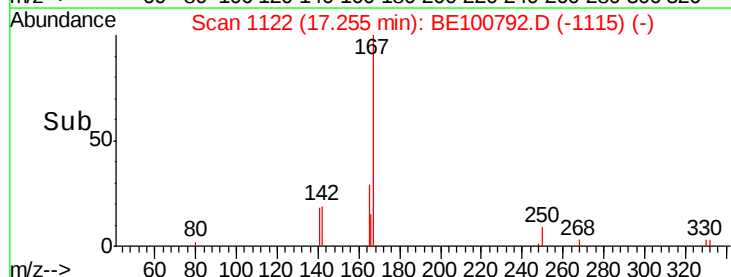
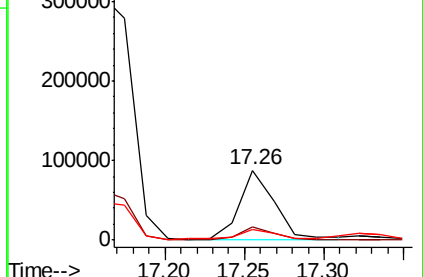
179 13.9 12.7 19.1

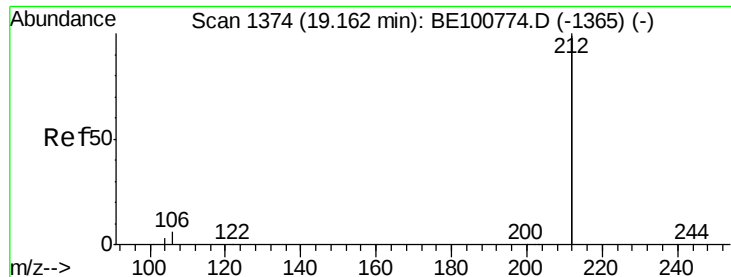


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.307 ng

RT: 19.16 min Scan# 1374

Delta R.T. 0.00 min

Lab File: BE100792.D

Acq: 5 Dec 2019 17:00

Instrument :

BNA_E

ClientSampleId :

EXT-084-SW178-112519-1MSD

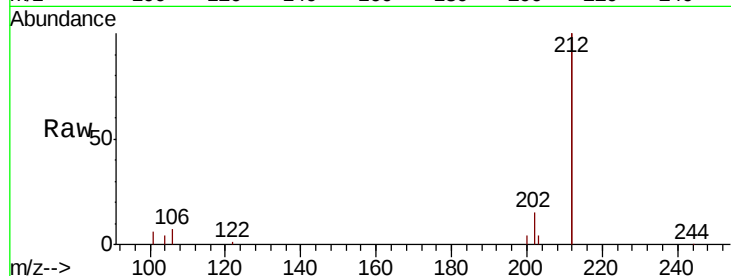
Tot Ion:212 Resp: 118680

Ion Ratio Lower Upper

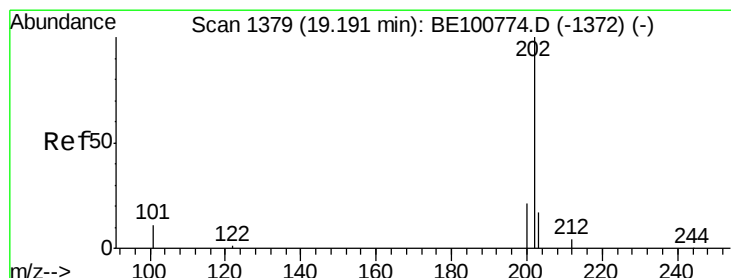
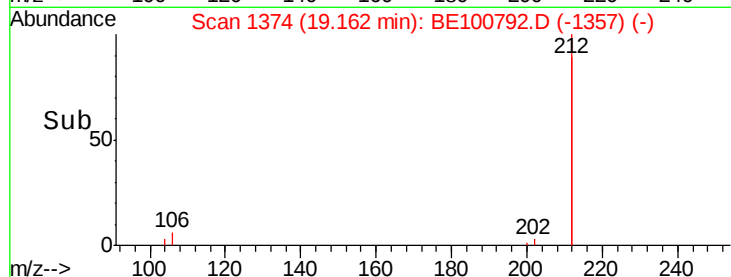
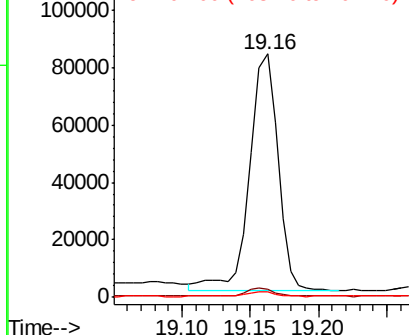
212 100

106 3.2 2.6 3.8

104 2.4 1.4 2.2#



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: 10.137 ng

RT: 19.19 min Scan# 1379

Delta R.T. 0.00 min

Lab File: BE100792.D

Acq: 5 Dec 2019 17:00

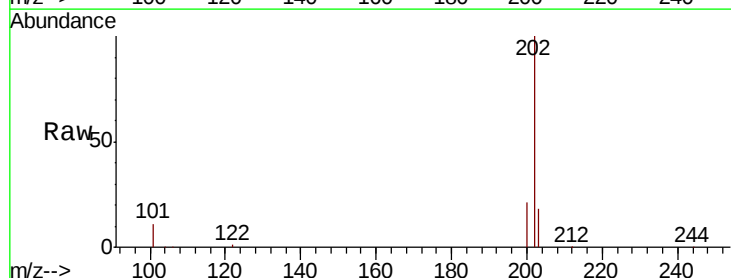
Tgt Ion:202 Resp: 1199353

Ion Ratio Lower Upper

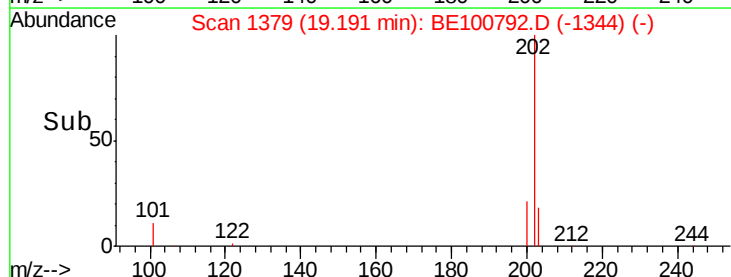
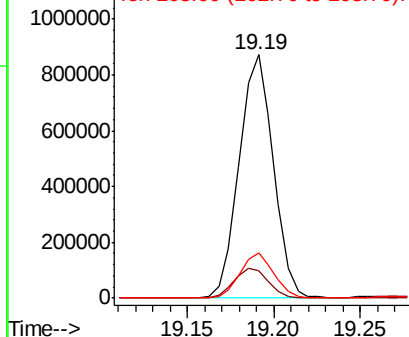
202 100

101 12.1 9.1 13.7

203 18.0 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

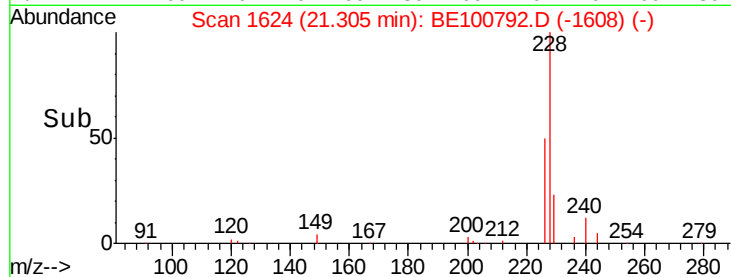
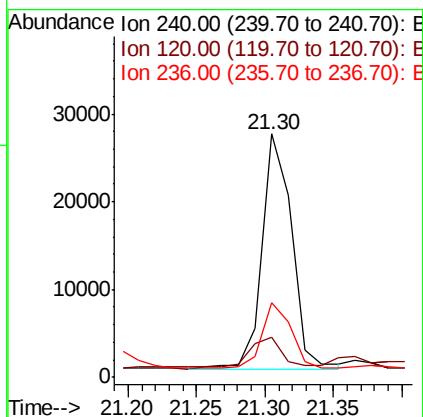
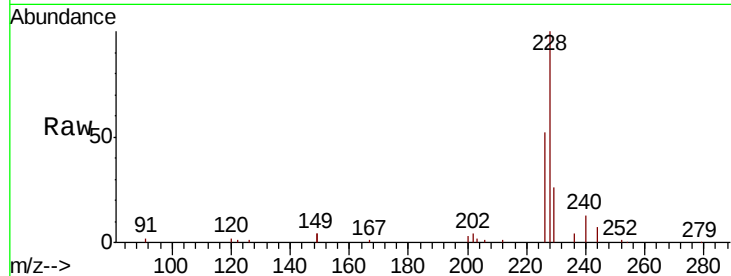




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.30 min Scan# 1624
 Delta R.T. -0.00 min
 Lab File: BE100792.D
 Acq: 5 Dec 2019 17:00

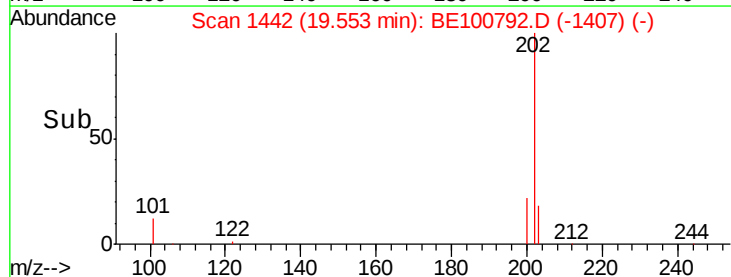
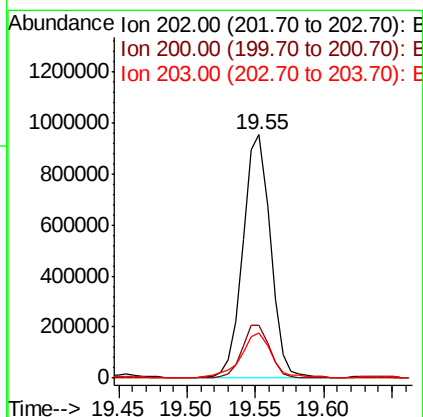
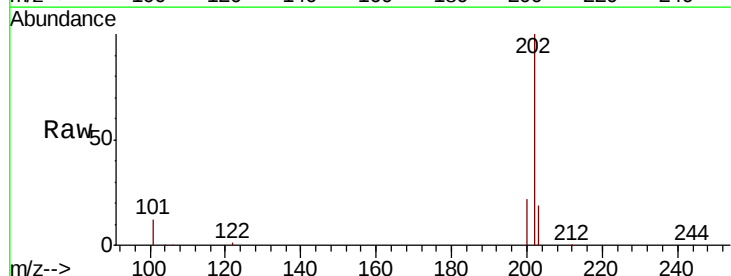
Instrument :
 BNA_E
 ClientSampleId :
 EXT-084-SW178-112519-1MSD

Tot Ion:240 Resp: 39971
 Ion Ratio Lower Upper
 240 100
 120 16.6 10.2 15.2#
 236 30.9 22.3 33.5



#28
 Pyrene
 Concen: 10.148 ng
 RT: 19.55 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: BE100792.D
 Acq: 5 Dec 2019 17:00

Tgt Ion:202 Resp: 1318007
 Ion Ratio Lower Upper
 202 100
 200 21.9 17.0 25.4
 203 20.7 13.9 20.9





#29

Terphenyl-d14

Concen: 0.250 ng

RT: 19.76 min Scan# 1478

Delta R.T. -0.01 min

Lab File: BE100792.D

Acq: 5 Dec 2019 17:00

Instrument :

BNA_E

ClientSampleId :

EXT-084-SW178-112519-1MSD

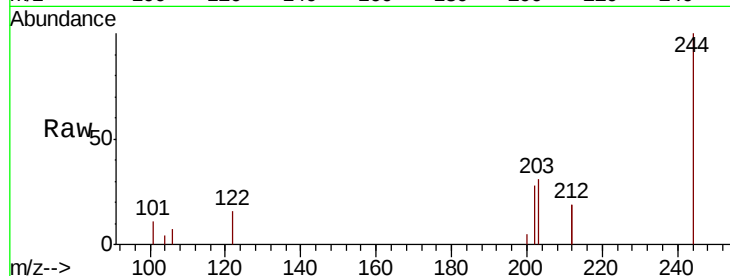
Tot Ion:244 Resp: 23943

Ion Ratio Lower Upper

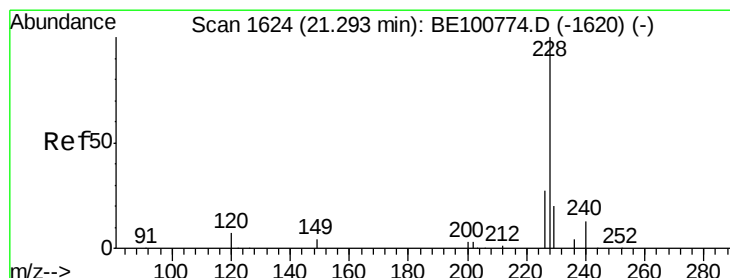
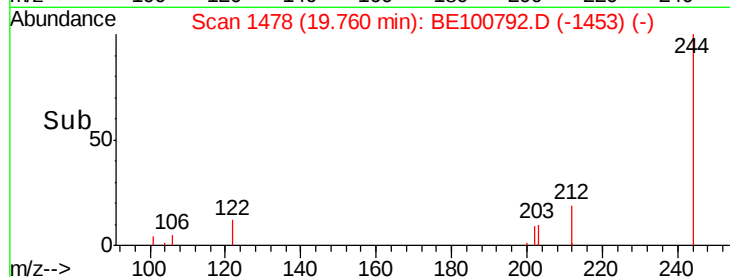
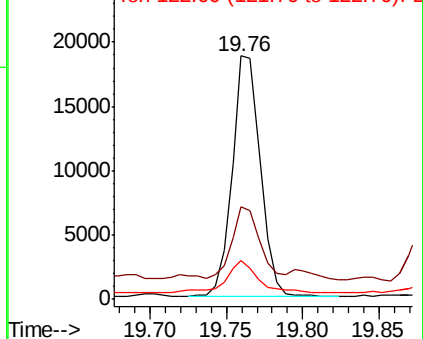
244 100

212 38.0 26.2 39.4

122 15.8 10.2 15.4#



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 6.789 ng

RT: 21.34 min Scan# 1627

Delta R.T. 0.05 min

Lab File: BE100792.D

Acq: 5 Dec 2019 17:00

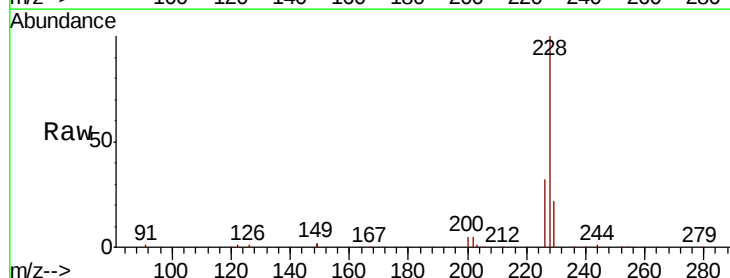
Tgt Ion:228 Resp: 799859

Ion Ratio Lower Upper

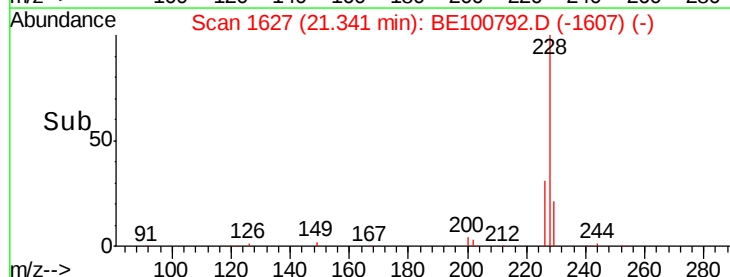
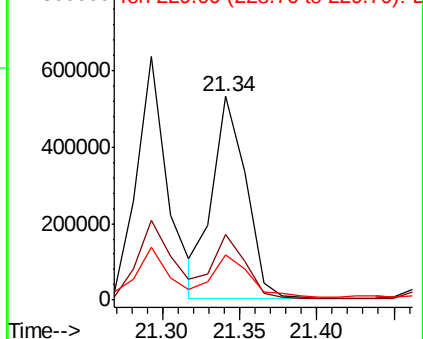
228 100

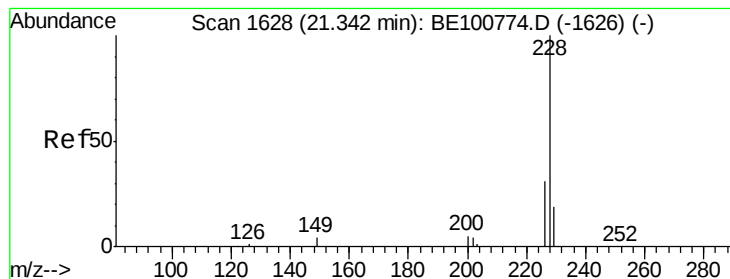
226 32.3 21.5 32.3

229 22.3 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 5.748 ng

RT: 21.34 min Scan# 1627

Delta R.T. -0.00 min

Lab File: BE100792.D

Acq: 5 Dec 2019 17:00

Instrument :

BNA_E

ClientSampleId :

EXT-084-SW178-112519-1MSD

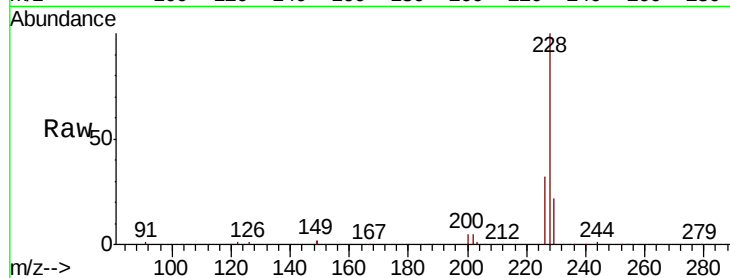
Tot Ion:228 Resp: 795739

Ion Ratio Lower Upper

228 100

226 32.3 25.0 37.4

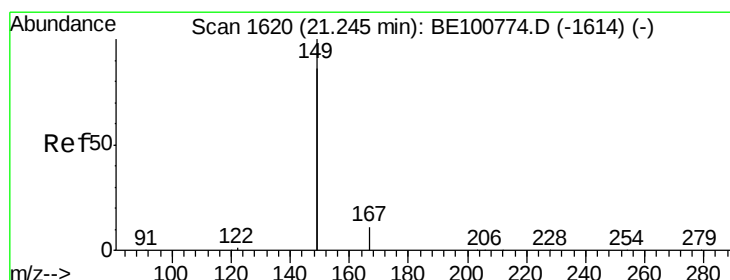
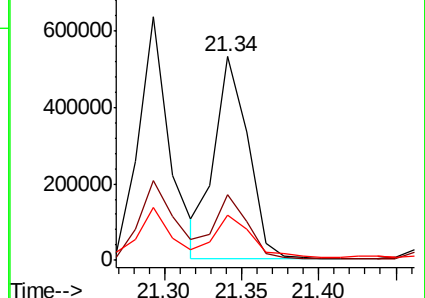
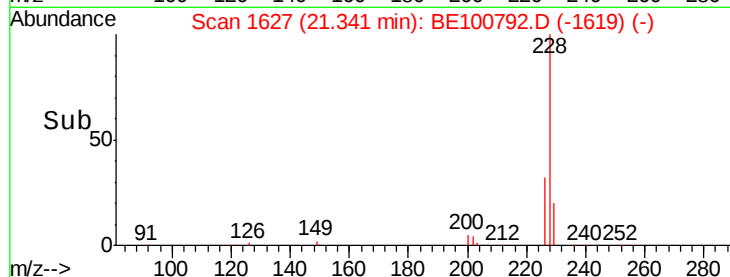
229 22.3 15.4 23.2



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: 1.639 ng

RT: 21.24 min Scan# 1619

Delta R.T. 0.00 min

Lab File: BE100792.D

Acq: 5 Dec 2019 17:00

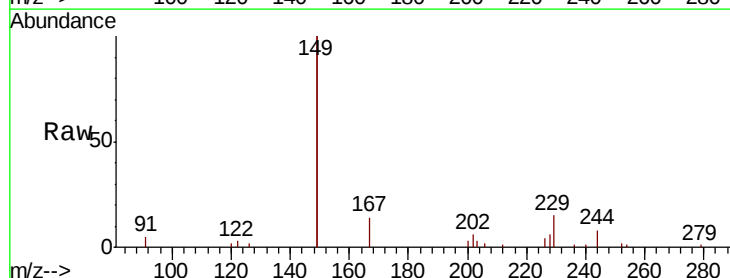
Tgt Ion:149 Resp: 173056

Ion Ratio Lower Upper

149 100

167 6.1 5.0 7.6

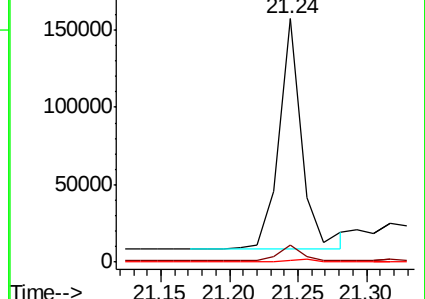
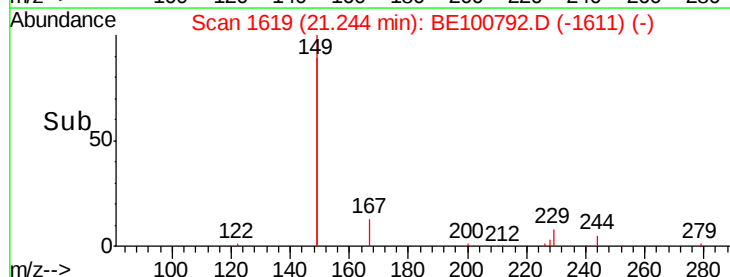
279 0.8 0.7 1.1

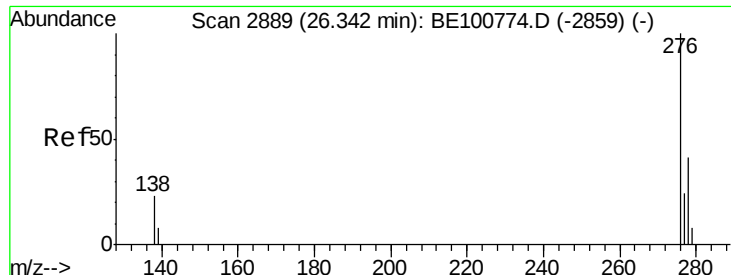


Abundance Ion 149.00 (148.70 to 149.70): E

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: 4.123 ng

RT: 26.33 min Scan# 2886

Delta R.T. -0.01 min

Lab File: BE100792.D

Acq: 5 Dec 2019 17:00

Instrument :

BNA_E

ClientSampleId :

EXT-084-SW178-112519-1MSD

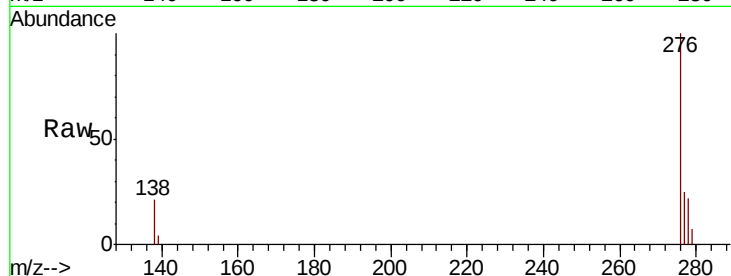
Tot Ion:276 Resp: 497205

Ion Ratio Lower Upper

276 100

138 21.6 19.4 29.0

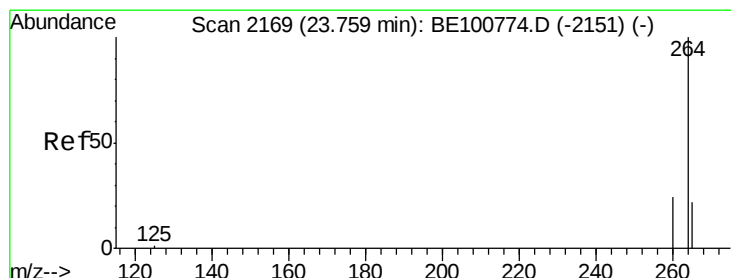
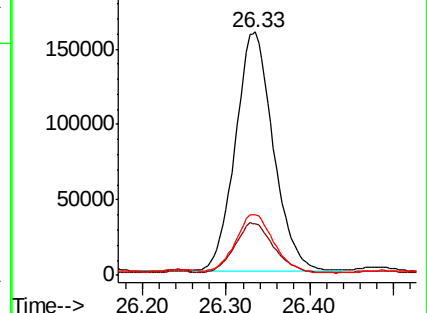
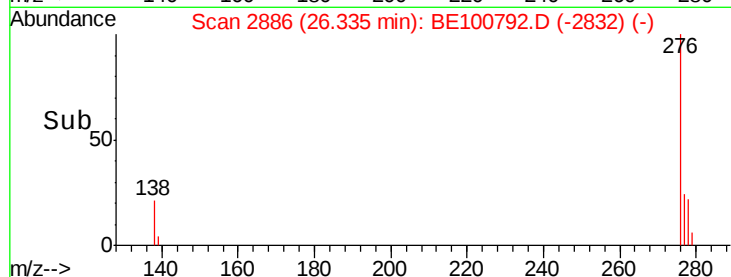
277 25.1 19.8 29.6



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: 23.76 min Scan# 2167

Delta R.T. -0.00 min

Lab File: BE100792.D

Acq: 5 Dec 2019 17:00

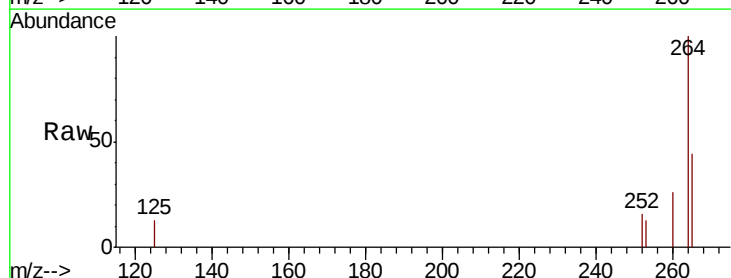
Tgt Ion:264 Resp: 50333

Ion Ratio Lower Upper

264 100

260 25.9 19.4 29.2

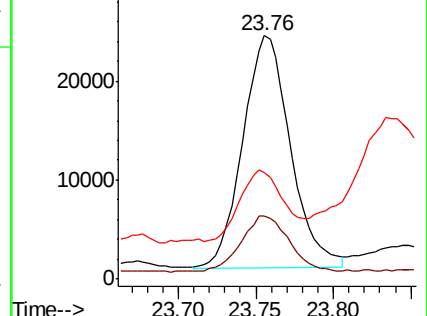
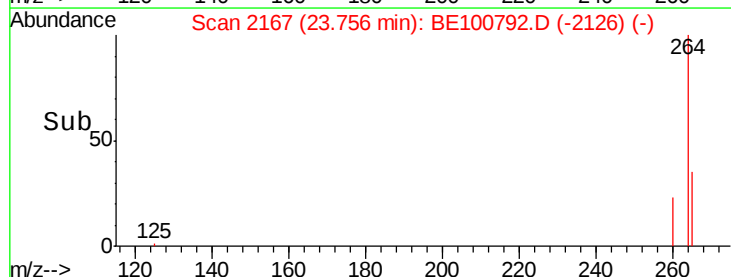
265 44.0 21.8 32.8#



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

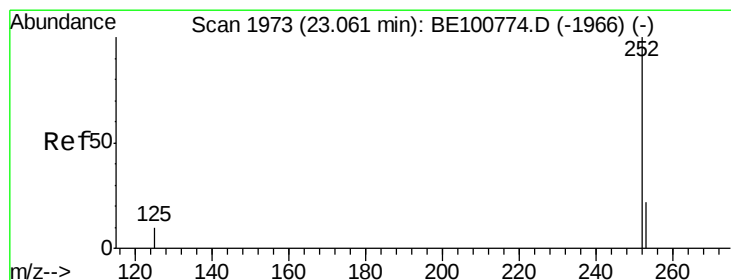
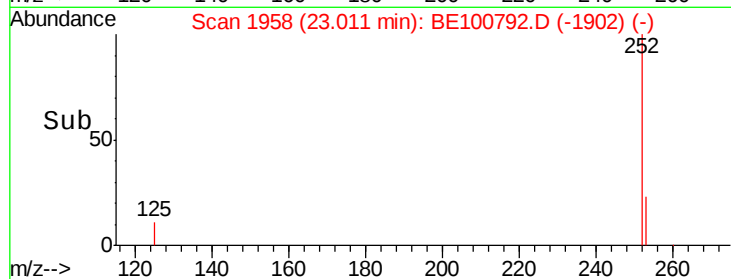
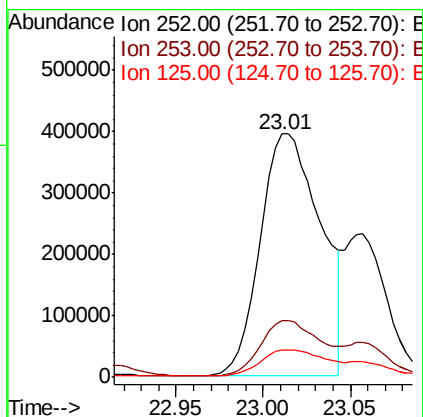
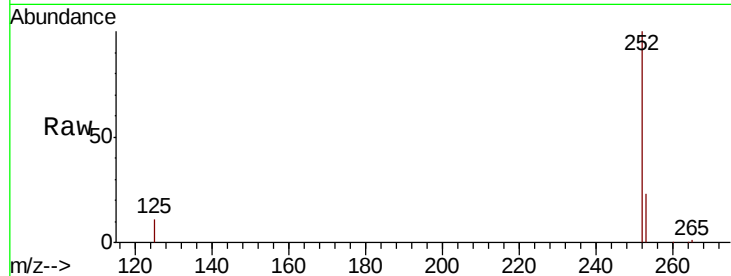




#35
Benzo(b)fluoranthene
Concen: 6.896 ng
RT: 23.01 min Scan# 1958
Delta R.T. 0.00 min
Lab File: BE100792.D
Acq: 5 Dec 2019 17:00

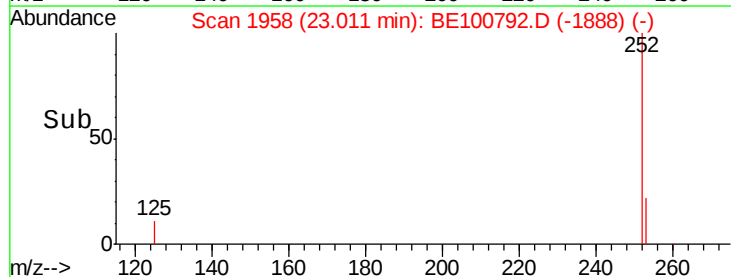
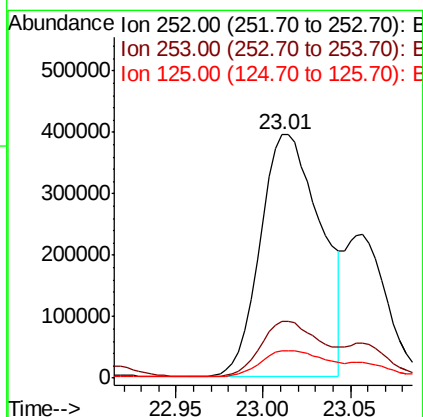
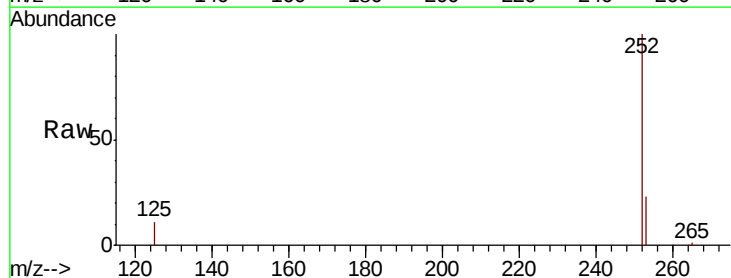
Instrument :
BNA_E
ClientSampleId :
EXT-084-SW178-112519-1MSD

Tot Ion:252 Resp: 950254
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.8
125 11.2 9.0 13.4



#36
Benzo(k)fluoranthene
Concen: 6.149 ng
RT: 23.01 min Scan# 1958
Delta R.T. -0.05 min
Lab File: BE100792.D
Acq: 5 Dec 2019 17:00

Tgt Ion:252 Resp: 950254
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.8
125 11.2 8.7 13.1





#37

Benzo(a)pyrene

Concen: 6.515 ng

RT: 23.65 min Scan# 2137

Delta R.T. 0.00 min

Lab File: BE100792.D

Acq: 5 Dec 2019 17:00

Instrument :

BNA_E

ClientSampleId :

EXT-084-SW178-112519-1MSD

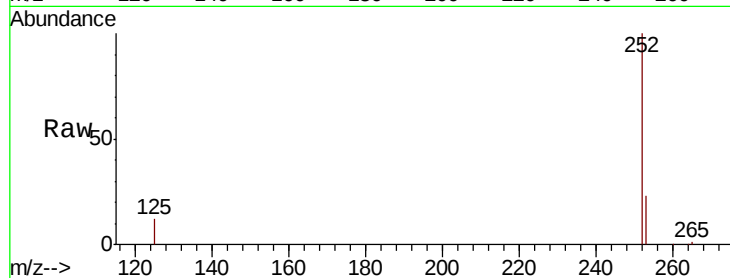
Tot Ion:252 Resp: 777326

Ion Ratio Lower Upper

252 100

253 23.0 18.2 27.4

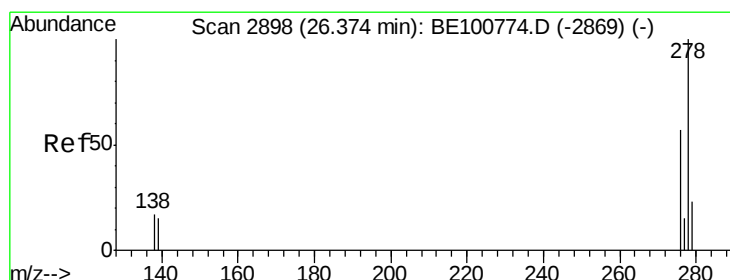
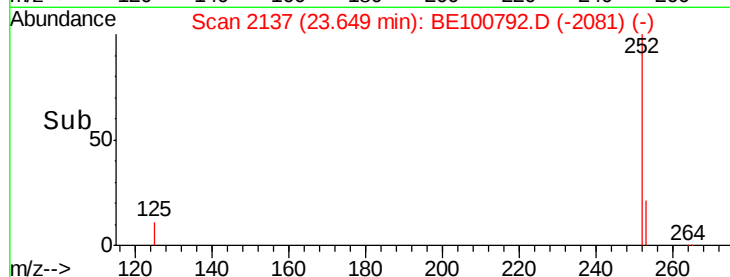
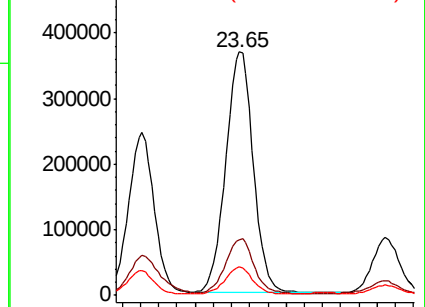
125 11.6 10.4 15.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 1.389 ng

RT: 26.35 min Scan# 2891

Delta R.T. -0.02 min

Lab File: BE100792.D

Acq: 5 Dec 2019 17:00

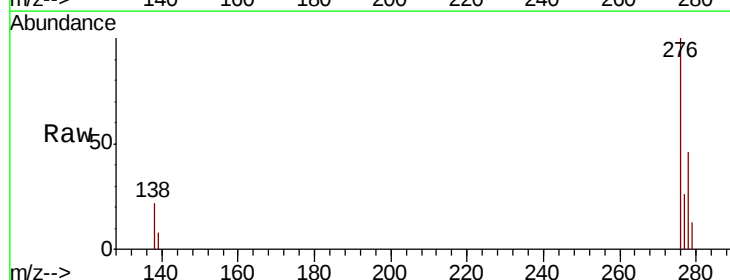
Tgt Ion:278 Resp: 164847

Ion Ratio Lower Upper

278 100

139 17.7 13.0 19.4

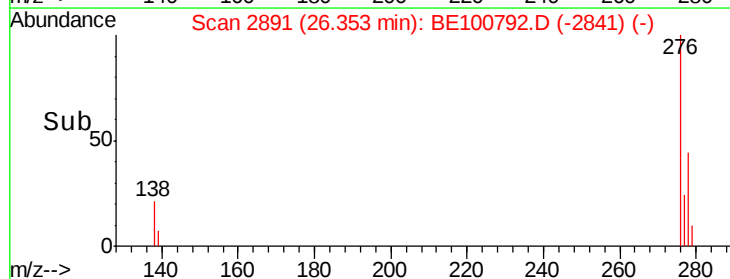
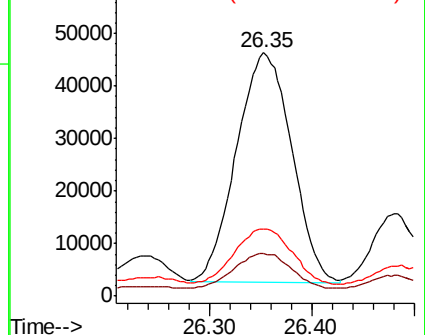
279 27.4 19.6 29.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 3.869 ng

RT: 27.13 min Scan# 3108

Delta R.T. 0.00 min

Lab File: BE100792.D

Acq: 5 Dec 2019 17:00

Instrument :

BNA_E

ClientSampleId :

EXT-084-SW178-112519-1MSD

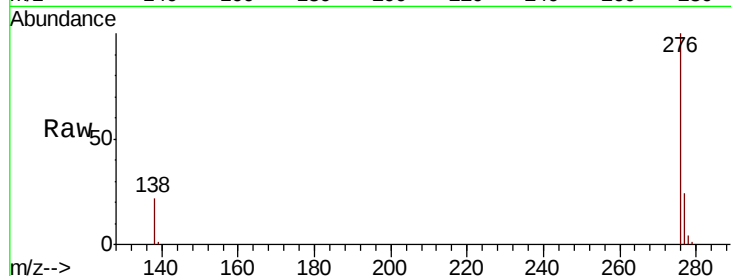
Tot Ion: 276 Resp: 491068

Ion Ratio Lower Upper

276 100

277 24.5 19.3 28.9

138 21.9 17.8 26.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

