

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE120519\
 Data File : BE100793.D
 Acq On : 5 Dec 2019 17:39
 Operator : JU
 Sample : K6053-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-029-SW180-112519

Quant Time: Dec 05 18:19:09 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	7.76	152	6044	0.40	ng	-0.01
7) Naphthalene-d8	10.54	136	27905	0.40	ng	0.00
13) Acenaphthene-d10	14.40	164	16705	0.40	ng	0.00
19) Phenanthrene-d10	17.12	188	40805	0.40	ng	-0.01
27) Chrysene-d12	21.30	240	42349	0.40	ng	0.00
34) Perylene-d12	23.76	264	49908	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.38	112	5417	0.38	ng	0.00
5) Phenol-d6	6.93	99	9200	0.42	ng	0.00
8) Nitrobenzene-d5	8.90	82	5997	0.45	ng	0.00
11) 2-Methylnaphthalene-d10	12.14	152	10748	0.27	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	1468	0.79	ng	0.00
15) 2-Fluorobiphenyl	13.03	172	15044	0.23	ng	0.00
25) Fluoranthene-d10	19.16	212	121489	0.25	ng	0.00
29) Terphenyl-d14	19.77	244	23463	0.23	ng	0.00

Target Compounds

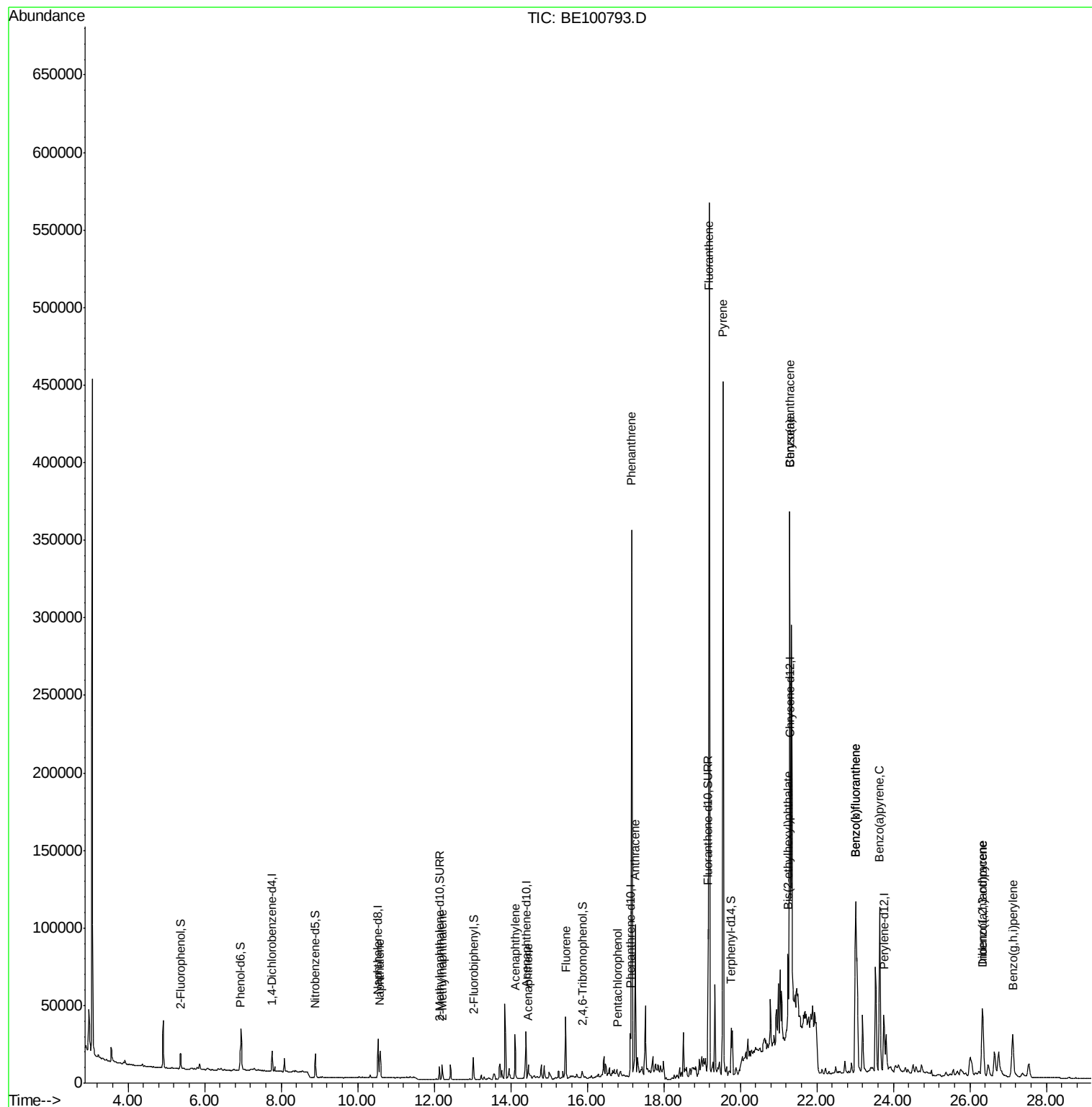
						Qvalue
9) Naphthalene	10.59	128	27185	0.092	ng	99
12) 2-Methylnaphthalene	12.21	142	6359	0.137	ng	97
16) Acenaphthylene	14.11	152	31033	0.449	ng	99
17) Acenaphthene	14.46	154	4049	0.085	ng	97
18) Fluorene	15.43	166	33877	0.552	ng	92
22) Pentachlorophenol	16.79	266	45	0.030	ng	90
23) Phenanthrene	17.16	178	423763	3.429	ng	100
24) Anthracene	17.25	178	101183	0.979	ng	# 92
26) Fluoranthene	19.19	202	484338	3.283	ng	99
28) Pvrene	19.55	202	412461	2.998	ng	# 95
30) Benzo(a)anthracene	21.29	228	284362	2.278	ng	94
31) Chrysene	21.29	228	259293	1.768	ng	97
32) Bis(2-ethylhexyl)phthalate	21.24	149	69991	0.769	ng	# 94
33) Indeno(1,2,3-cd)pyrene	26.33	276	78051	0.611	ng	98
35) Benzo(b)fluoranthene	23.01	252	229567	1.680	ng	96
36) Benzo(k)fluoranthene	23.01	252	229567	1.498	ng	96
37) Benzo(a)pvrene	23.64	252	166875	1.411	ng	98
38) Dibenzo(a,h)anthracene	26.35	278	26854	0.228	ng	# 78
39) Benzo(g,h,i)perylene	27.12	276	67871	0.539	ng	96

(#) = 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: 7.76 min Scan# 425

Delta R.T. -0.01 min

Lab File: BE100793.D

Acq: 5 Dec 2019 17:39

Instrument :

BNA_E

ClientSampleId :

EXT-029-SW180-112519

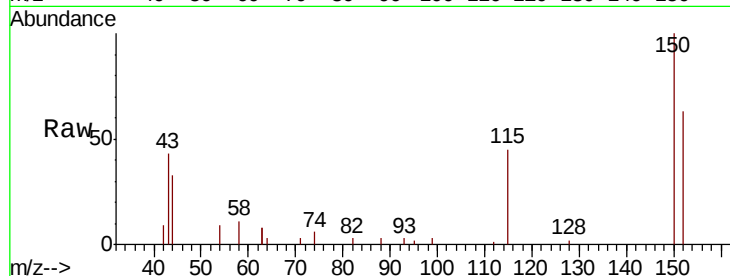
Tot Ion:152 Resp: 6044

Ion Ratio Lower Upper

152 100

150 158.4 120.6 181.0

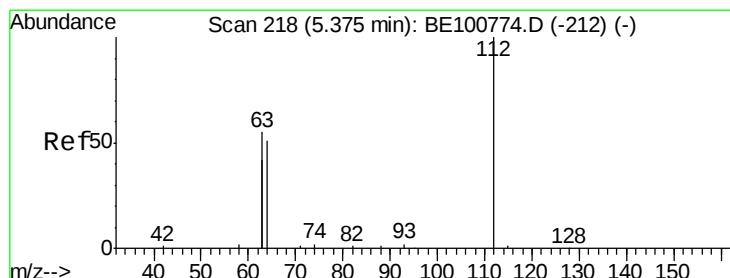
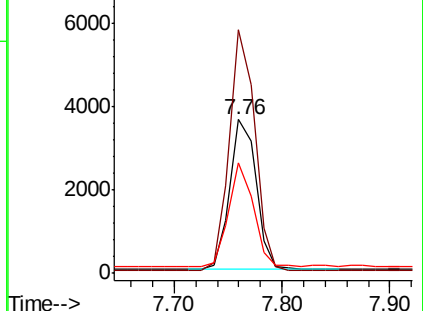
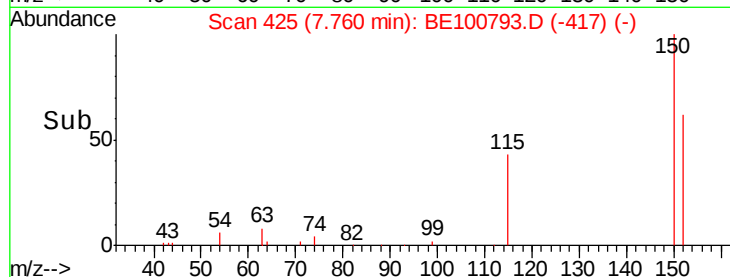
115 71.9 47.4 71.2#



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



#4

2-Fluorophenol

Concen: 0.378 ng

RT: 5.38 min Scan# 218

Delta R.T. 0.00 min

Lab File: BE100793.D

Acq: 5 Dec 2019 17:39

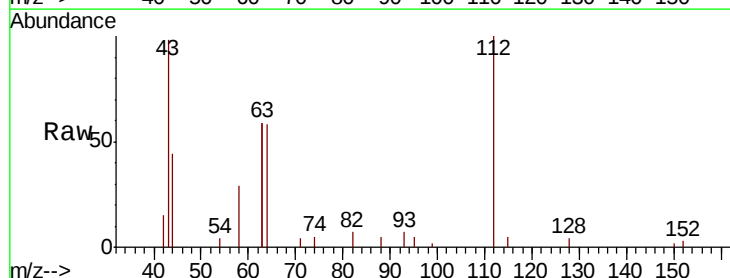
Tgt Ion:112 Resp: 5417

Ion Ratio Lower Upper

112 100

64 69.3 54.1 81.1

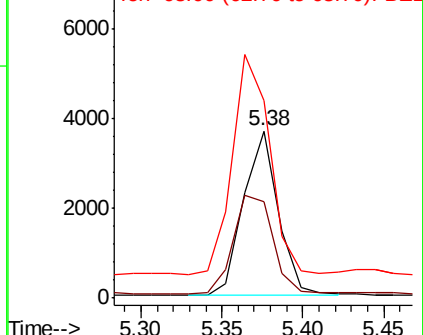
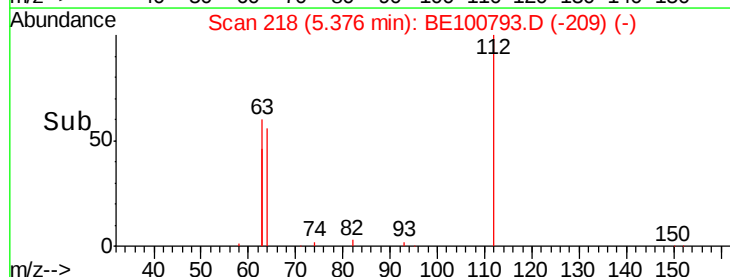
63 144.1 113.2 169.8

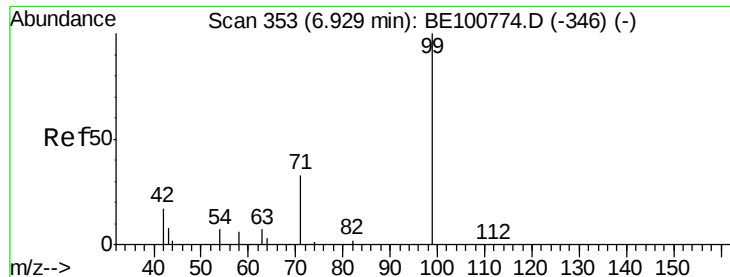


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.425 ng

RT: 6.93 min Scan# 353

Delta R.T. 0.00 min

Lab File: BE100793.D

Acq: 5 Dec 2019 17:39

Instrument :

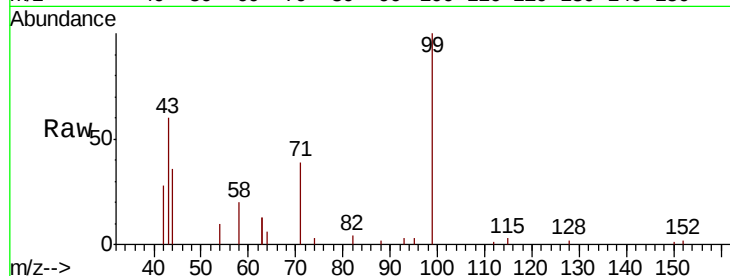
BNA_E

ClientSampleId :

EXT-029-SW180-112519

Tot Ion: 99 Resp: 9200

Ion	Ratio	Lower	Upper
99	100		
42	35.3	19.1	28.7#
71	36.4	27.7	41.5

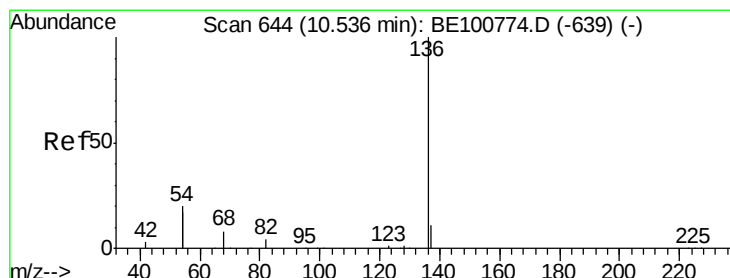
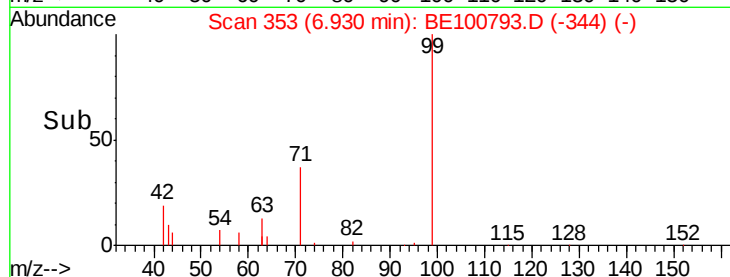
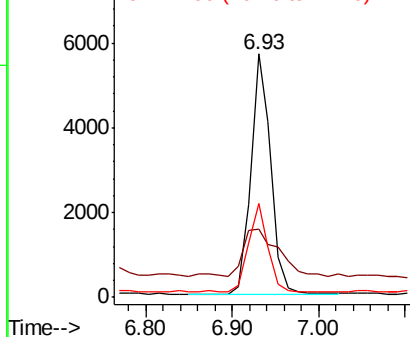


Abundance

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



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.54 min Scan# 644

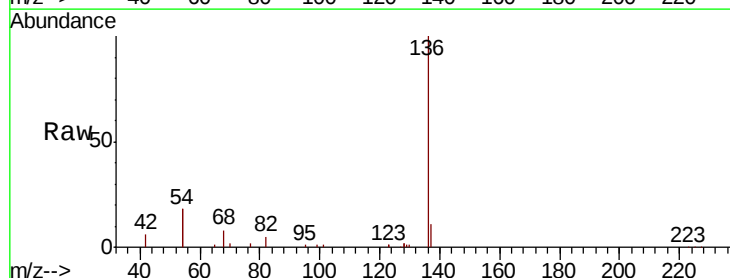
Delta R.T. -0.00 min

Lab File: BE100793.D

Acq: 5 Dec 2019 17:39

Tgt Ion: 136 Resp: 27905

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.4	14.0
54	36.2	31.1	46.7
68	7.9	6.6	10.0



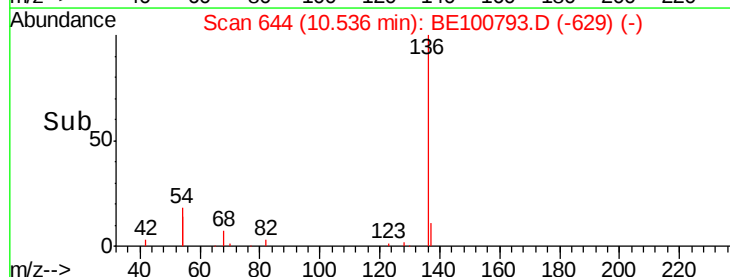
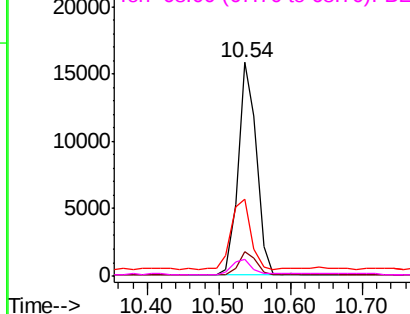
Abundance

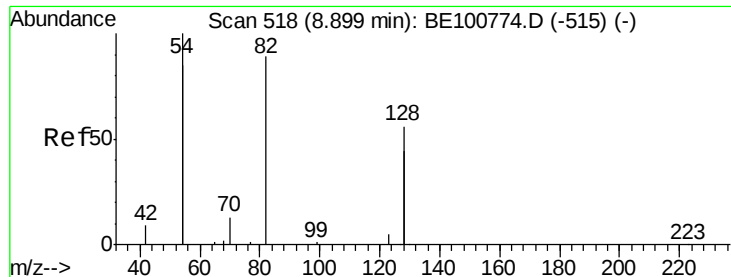
Ion 136.00 (135.70 to 136.70): E

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: 0.451 ng

RT: 8.90 min Scan# 518

Delta R.T. -0.00 min

Lab File: BE100793.D

Acq: 5 Dec 2019 17:39

Instrument :

BNA_E

ClientSampleId :

EXT-029-SW180-112519

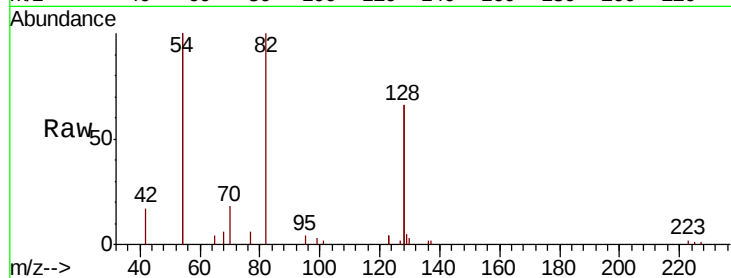
Tot Ion: 82 Resp: 5997

Ion Ratio Lower Upper

82 100

128 132.1 97.0 145.4

54 200.2 171.8 257.6

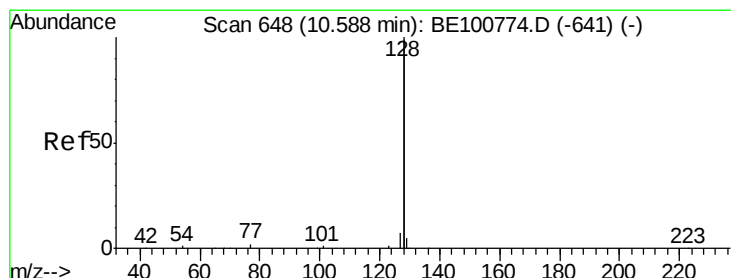
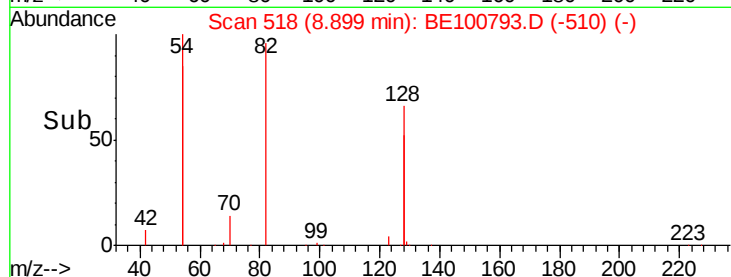
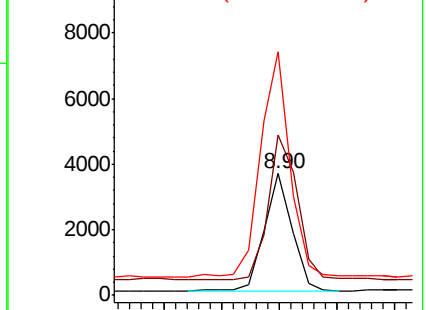


Abundance

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: 0.092 ng

RT: 10.59 min Scan# 648

Delta R.T. -0.00 min

Lab File: BE100793.D

Acq: 5 Dec 2019 17:39

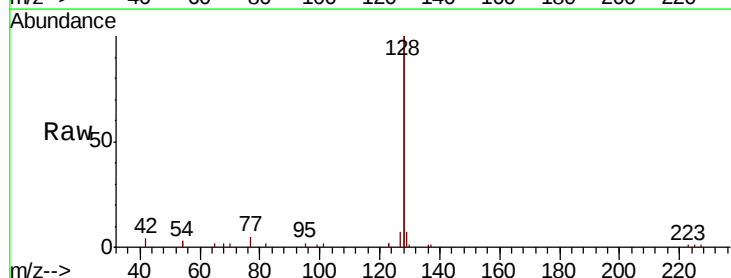
Tgt Ion:128 Resp: 27185

Ion Ratio Lower Upper

128 100

129 3.3 2.2 3.4

127 3.7 2.7 4.1

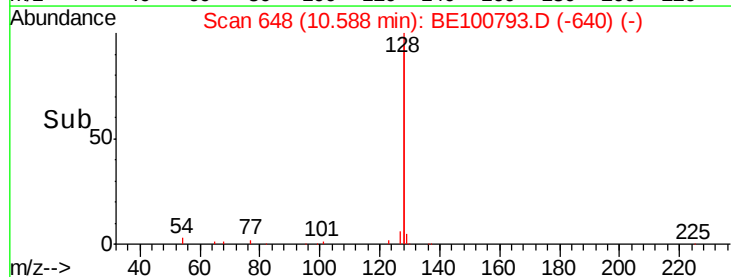
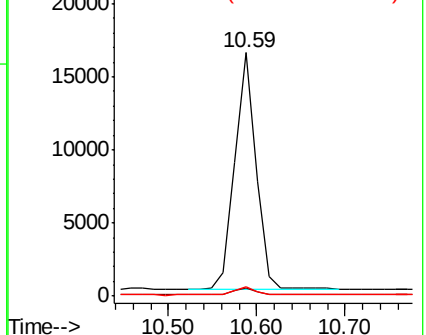


Abundance

Ion 128.00 (127.70 to 128.70): BE1

Ion 129.00 (128.70 to 129.70): BE1

Ion 127.00 (126.70 to 127.70): BE1





#11

2-Methylnaphthalene-d10

Concen: 0.266 ng

RT: 12.14 min Scan# 758

Delta R.T. 0.00 min

Lab File: BE100793.D

Acq: 5 Dec 2019 17:39

Instrument :

BNA_E

ClientSampleId :

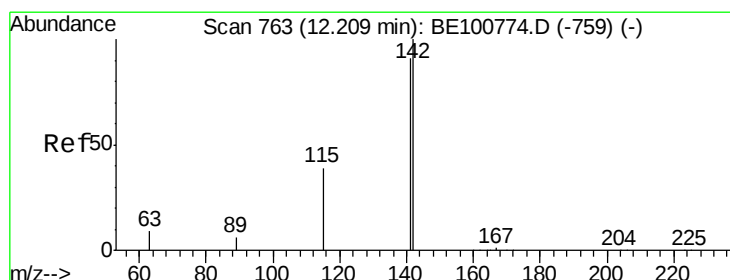
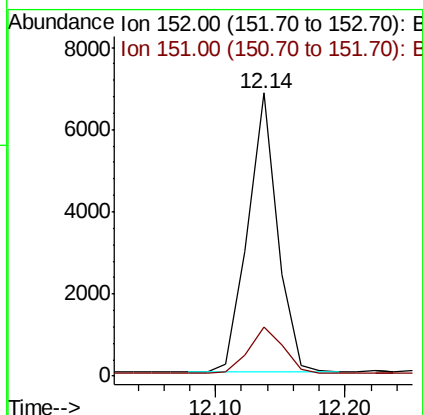
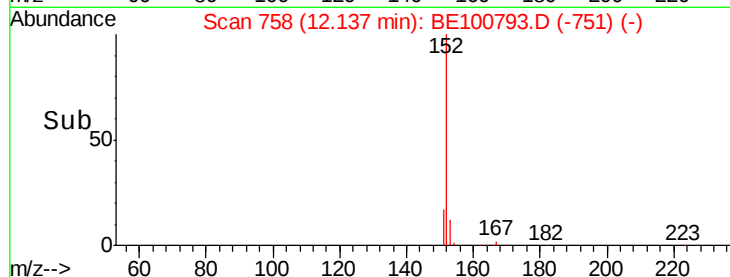
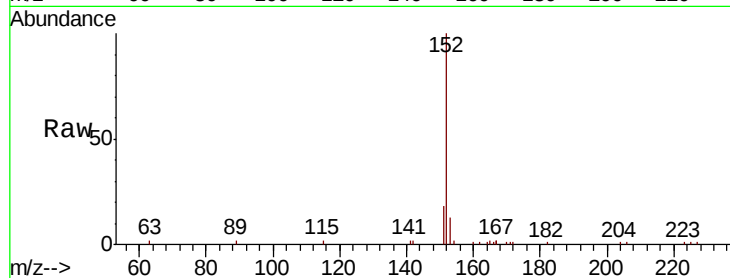
EXT-029-SW180-112519

Tot Ion:152 Resp: 10748

Ion Ratio Lower Upper

152 100

151 19.1 15.8 23.8



#12

2-Methylnaphthalene

Concen: 0.137 ng

RT: 12.21 min Scan# 763

Delta R.T. 0.00 min

Lab File: BE100793.D

Acq: 5 Dec 2019 17:39

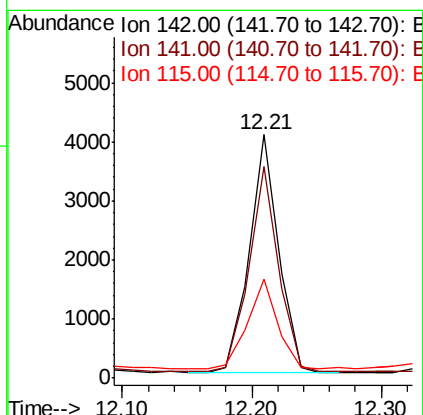
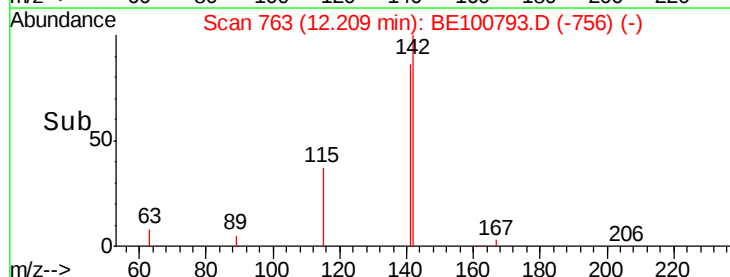
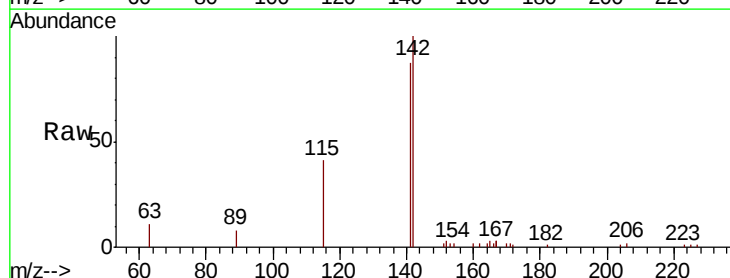
Tgt Ion:142 Resp: 6359

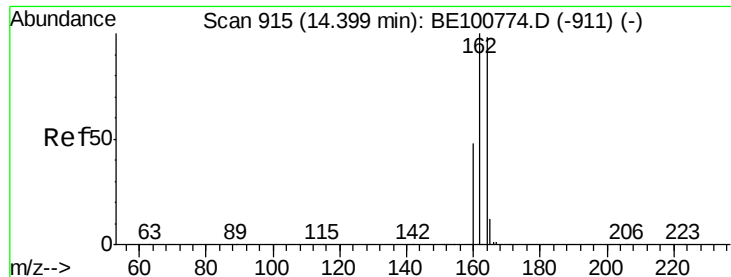
Ion Ratio Lower Upper

142 100

141 86.7 72.6 108.8

115 40.5 31.8 47.6

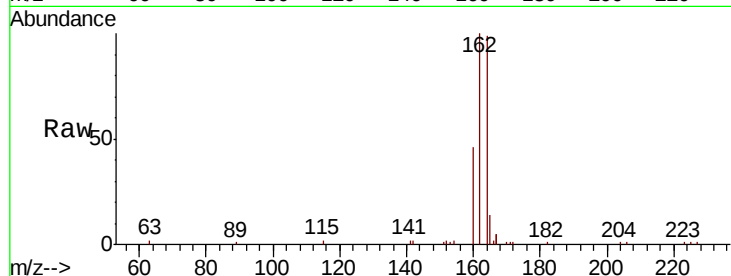




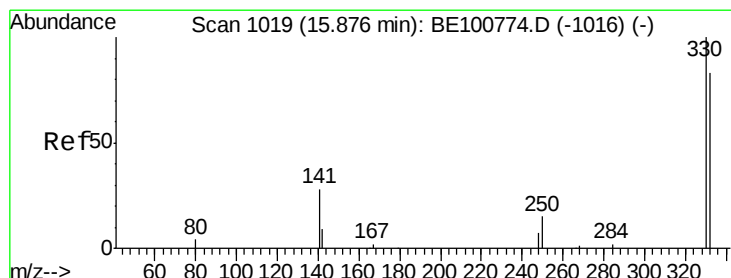
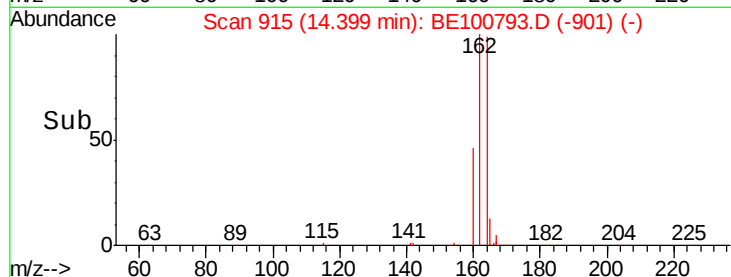
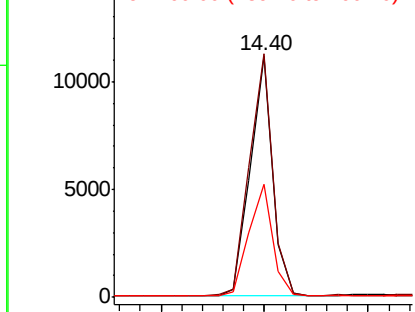
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.40 min Scan# 915
Delta R.T. 0.00 min
Lab File: BE100793.D
Acq: 5 Dec 2019 17:39

Instrument :
BNA_E
ClientSampleId :
EXT-029-SW180-112519

Tot Ion:164 Resp: 16705
Ion Ratio Lower Upper
164 100
162 100.8 81.4 122.0
160 46.9 39.4 59.0

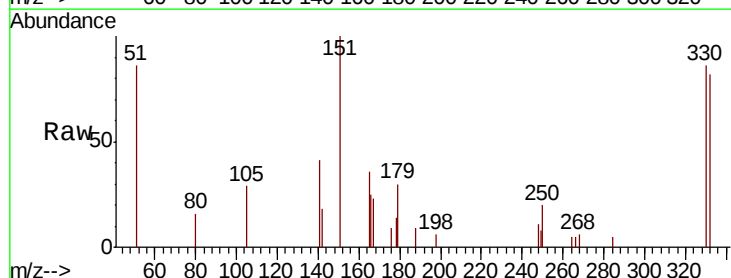


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

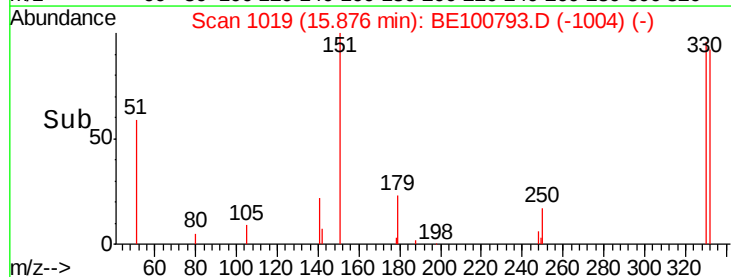
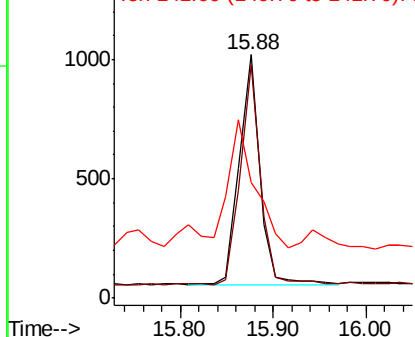


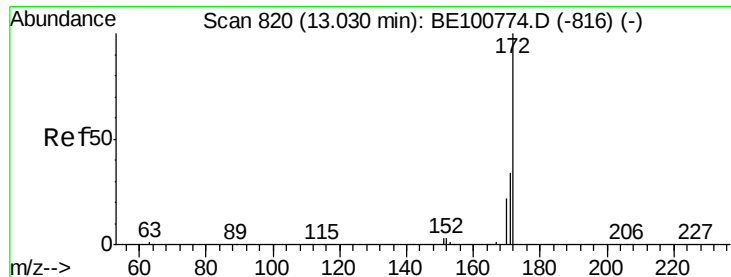
#14
2,4,6-Tribromophenol
Concen: 0.790 ng
RT: 15.88 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BE100793.D
Acq: 5 Dec 2019 17:39

Tgt Ion:330 Resp: 1468
Ion Ratio Lower Upper
330 100
332 92.1 69.4 104.2
141 84.3 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

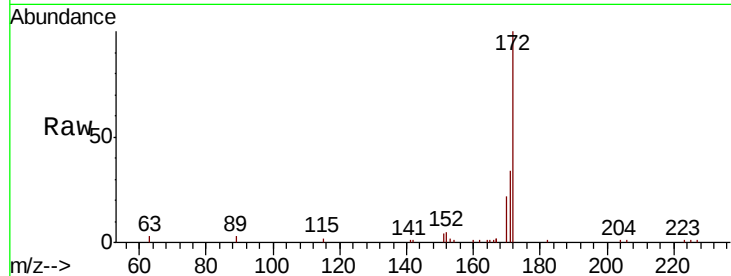




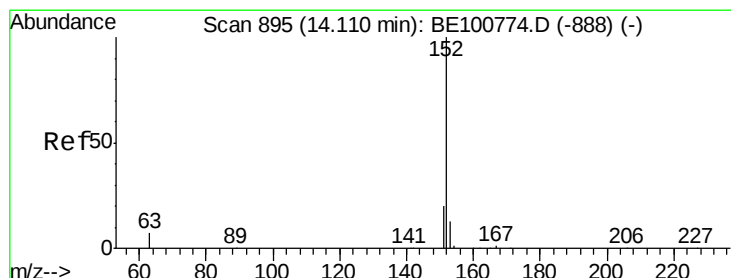
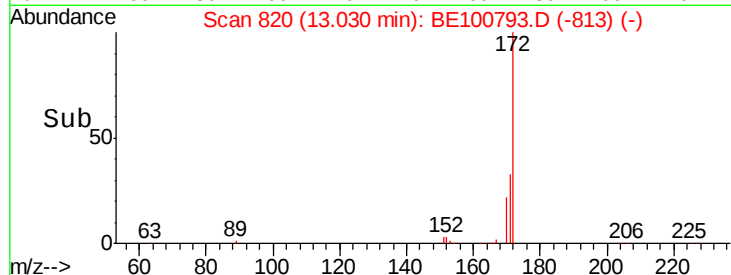
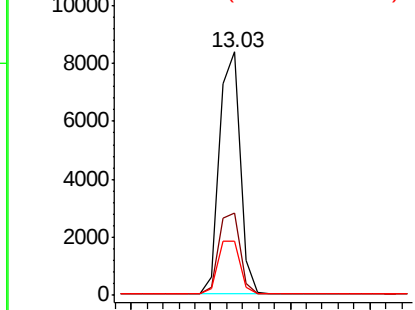
#15
2-Fluorobiphenyl
Concen: 0.227 ng
RT: 13.03 min Scan# 820
Delta R.T. 0.00 min
Lab File: BE100793.D
Acq: 5 Dec 2019 17:39

Instrument :
BNA_E
ClientSampleId :
EXT-029-SW180-112519

Tot Ion:172 Resp: 15044
Ion Ratio Lower Upper
172 100
171 33.6 27.2 40.8
170 22.2 18.0 27.0

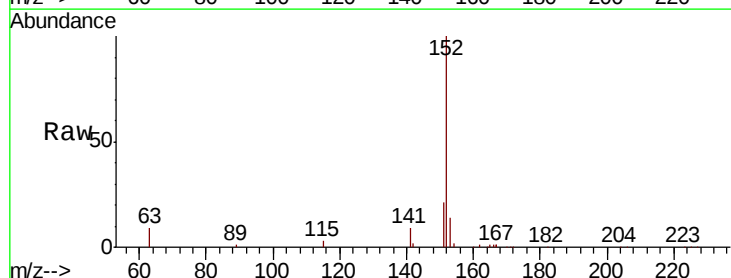


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

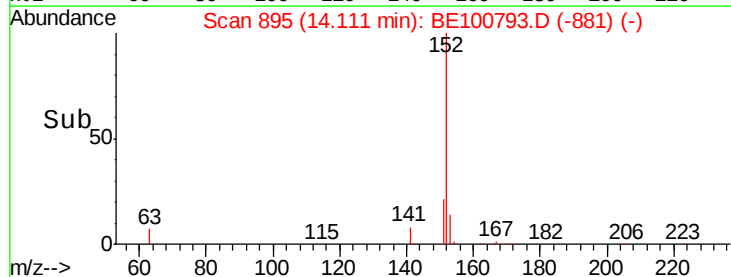
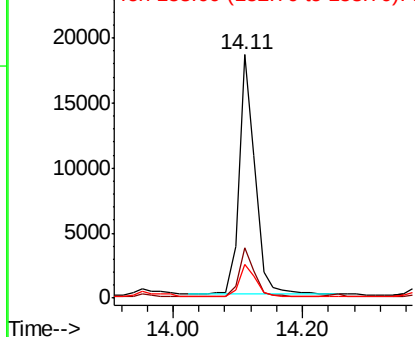


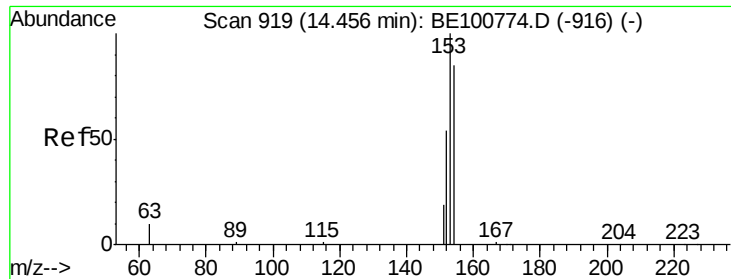
#16
Acenaphthylene
Concen: 0.449 ng
RT: 14.11 min Scan# 895
Delta R.T. 0.00 min
Lab File: BE100793.D
Acq: 5 Dec 2019 17:39

Tgt Ion:152 Resp: 31033
Ion Ratio Lower Upper
152 100
151 20.1 15.8 23.6
153 14.0 10.4 15.6



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.085 ng

RT: 14.46 min Scan# 919

Delta R.T. 0.00 min

Lab File: BE100793.D

Acq: 5 Dec 2019 17:39

Instrument :

BNA_E

ClientSampleId :

EXT-029-SW180-112519

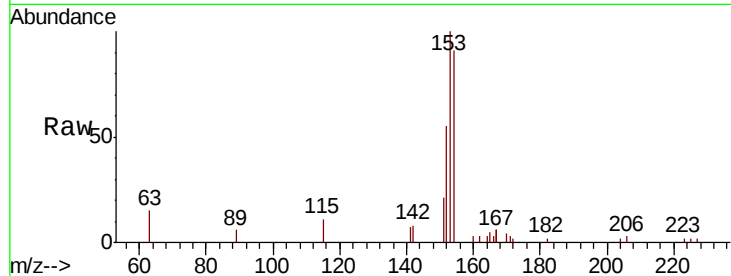
Tot Ion:154 Resp: 4049

Ion Ratio Lower Upper

154 100

153 116.7 92.2 138.2

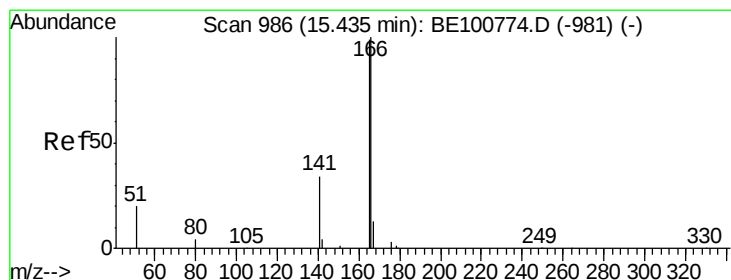
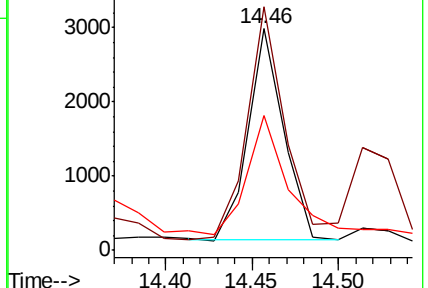
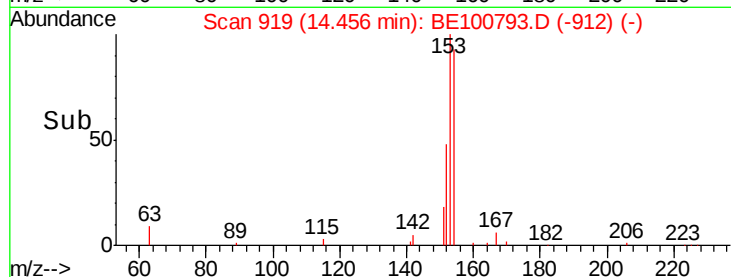
152 66.0 49.1 73.7



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: 0.552 ng

RT: 15.43 min Scan# 986

Delta R.T. -0.00 min

Lab File: BE100793.D

Acq: 5 Dec 2019 17:39

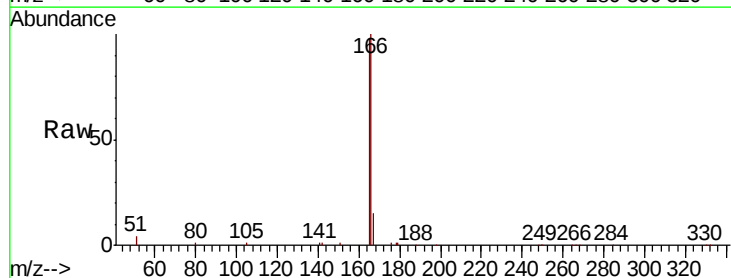
Tgt Ion:166 Resp: 33877

Ion Ratio Lower Upper

166 100

165 91.8 80.5 120.7

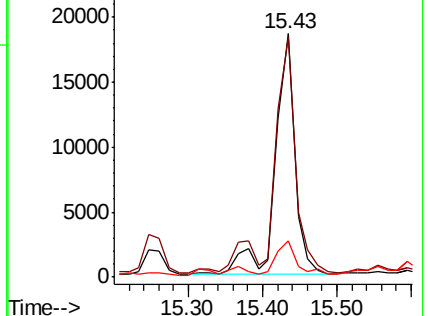
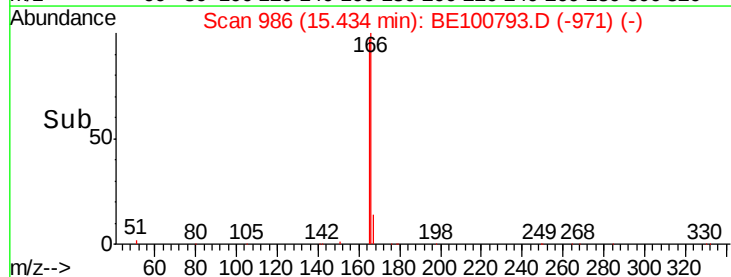
167 14.0 10.7 16.1

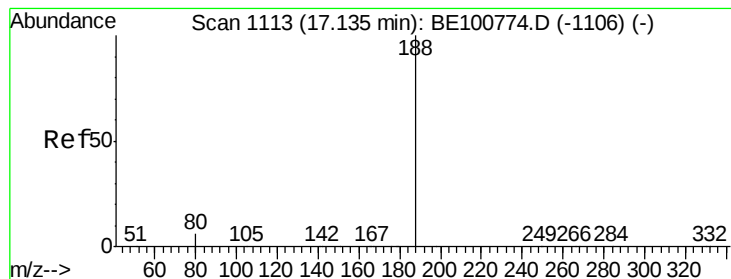


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE100793.D

Acq: 5 Dec 2019 17:39

Instrument :

BNA_E

ClientSampleId :

EXT-029-SW180-112519

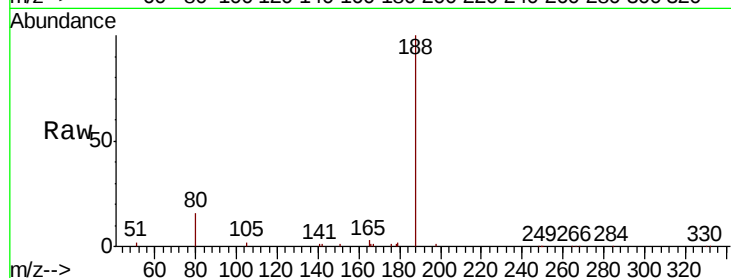
Tot Ion:188 Resp: 40805

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

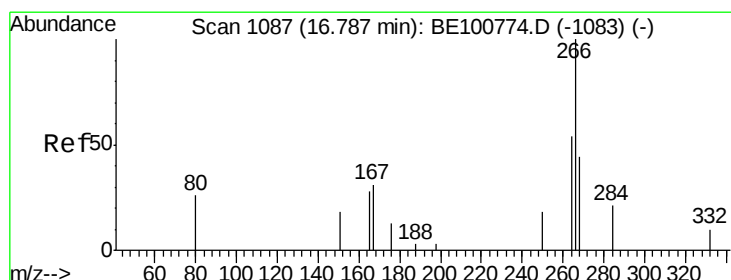
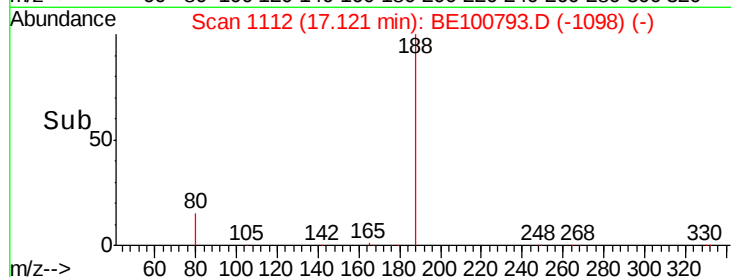
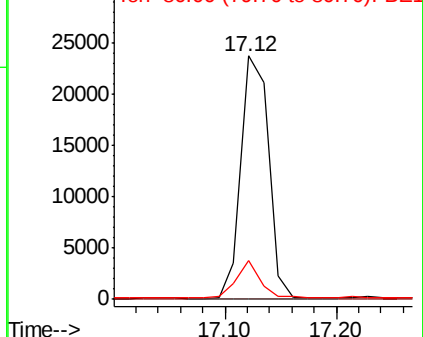
80 16.2 5.2 7.8#



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



#22

Pentachlorophenol

Concen: 0.030 ng

RT: 16.79 min Scan# 1087

Delta R.T. -0.00 min

Lab File: BE100793.D

Acq: 5 Dec 2019 17:39

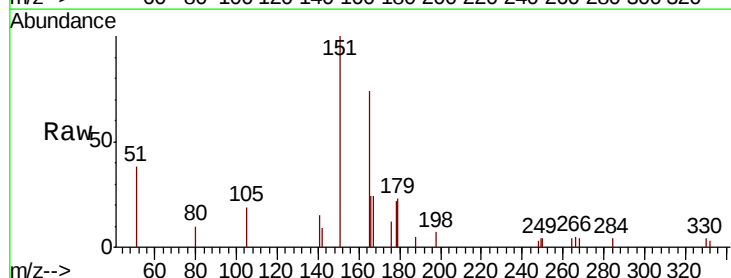
Tgt Ion:266 Resp: 45

Ion Ratio Lower Upper

266 100

264 86.7 63.4 95.0

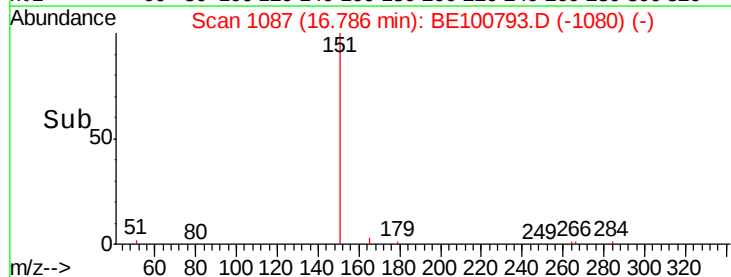
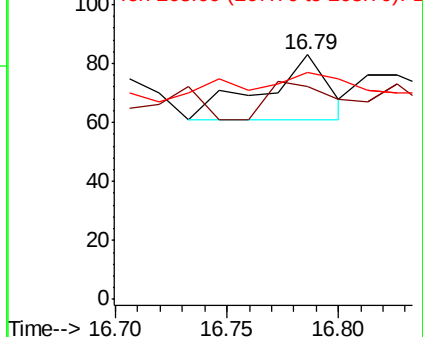
268 92.8 65.8 98.8

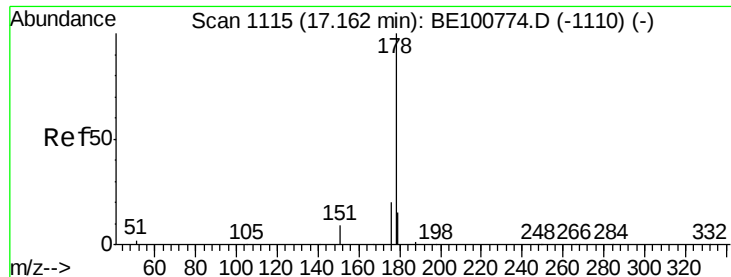


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

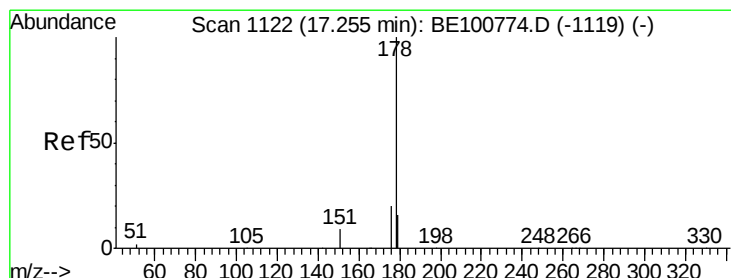
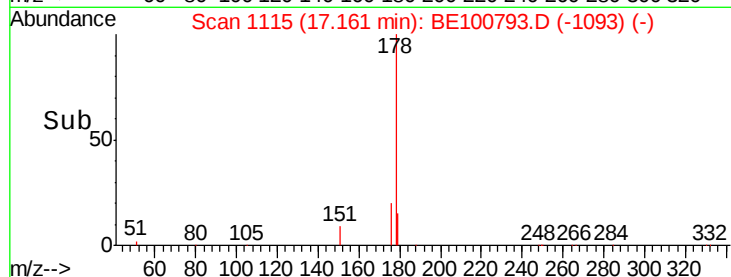
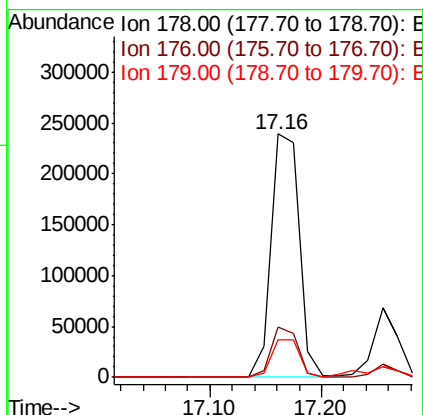
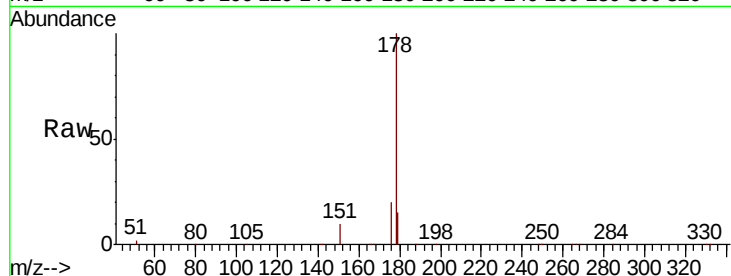




#23
Phenanthrene
Concen: 3.429 ng
RT: 17.16 min Scan# 1115
Delta R.T. -0.00 min
Lab File: BE100793.D
Acq: 5 Dec 2019 17:39

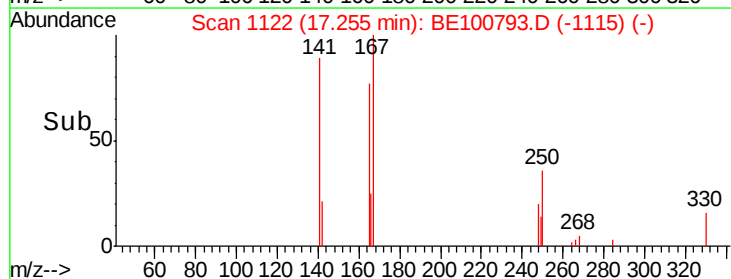
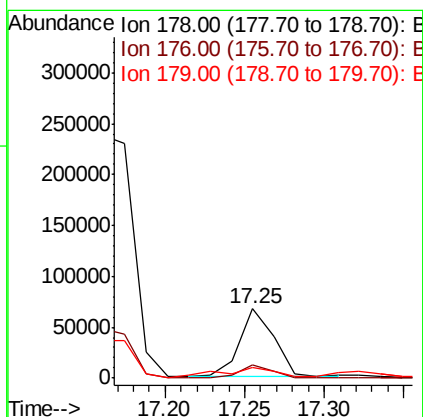
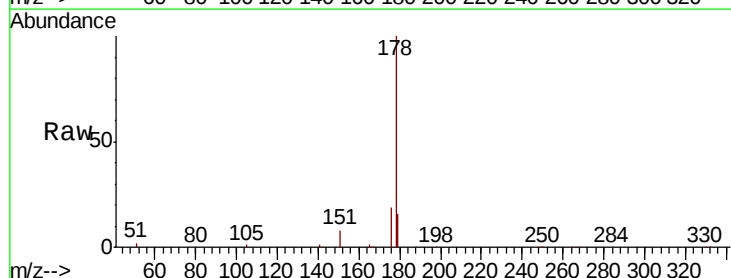
Instrument :
BNA_E
ClientSampleId :
EXT-029-SW180-112519

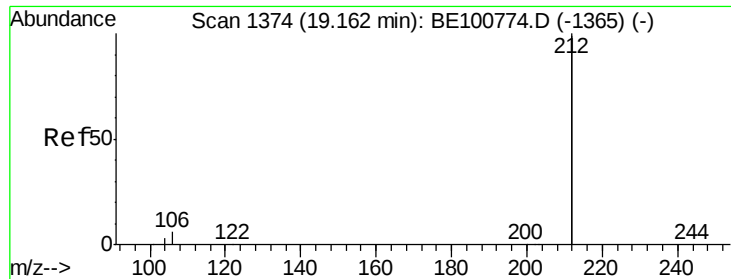
Tot Ion:178 Resp: 423763
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.7 12.3 18.5



#24
Anthracene
Concen: 0.979 ng
RT: 17.25 min Scan# 1122
Delta R.T. -0.00 min
Lab File: BE100793.D
Acq: 5 Dec 2019 17:39

Tgt Ion:178 Resp: 101183
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.2
179 23.3 12.7 19.1#





#25

Fluoranthene-d10

Concen: 0.252 ng

RT: 19.16 min Scan# 1374

Delta R.T. 0.00 min

Lab File: BE100793.D

Acq: 5 Dec 2019 17:39

Instrument :

BNA_E

ClientSampleId :

EXT-029-SW180-112519

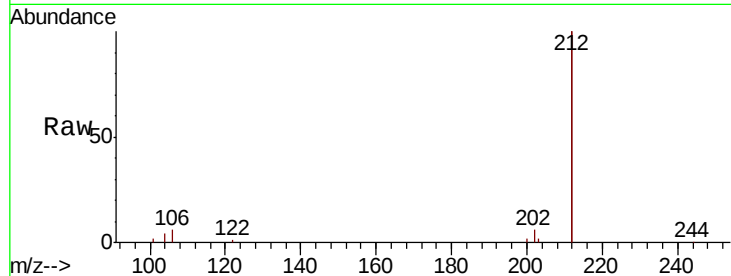
Tot Ion:212 Resp: 121489

Ion Ratio Lower Upper

212 100

106 3.3 2.6 3.8

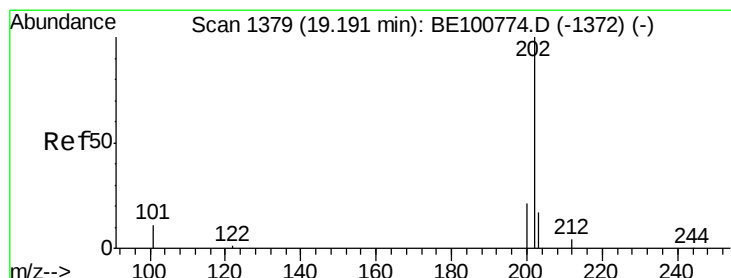
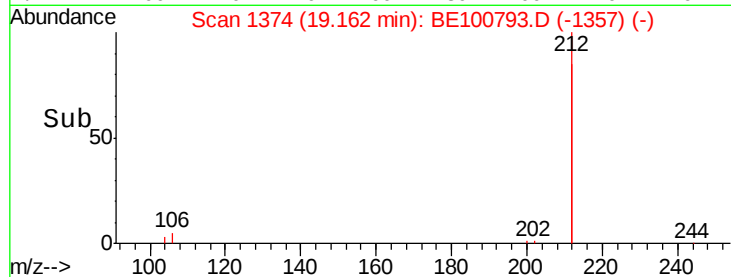
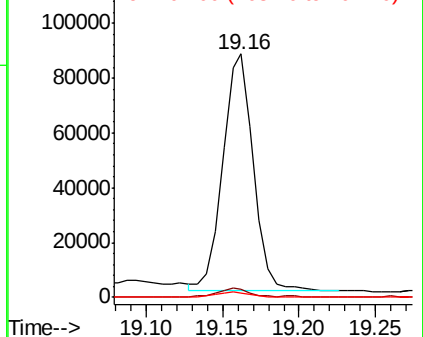
104 2.0 1.4 2.2



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: 3.283 ng

RT: 19.19 min Scan# 1379

Delta R.T. 0.00 min

Lab File: BE100793.D

Acq: 5 Dec 2019 17:39

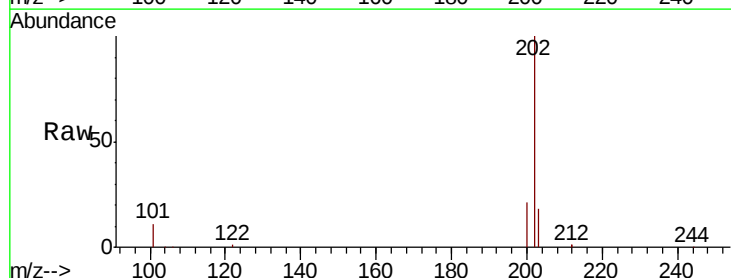
Tgt Ion:202 Resp: 484338

Ion Ratio Lower Upper

202 100

101 11.8 9.1 13.7

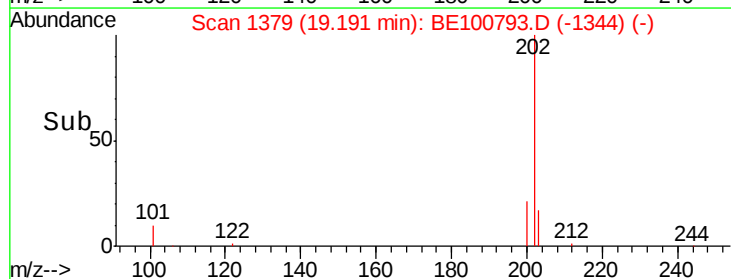
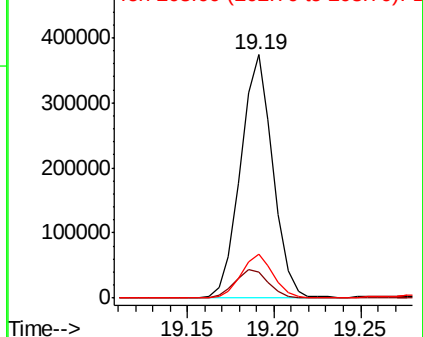
203 17.7 13.8 20.6

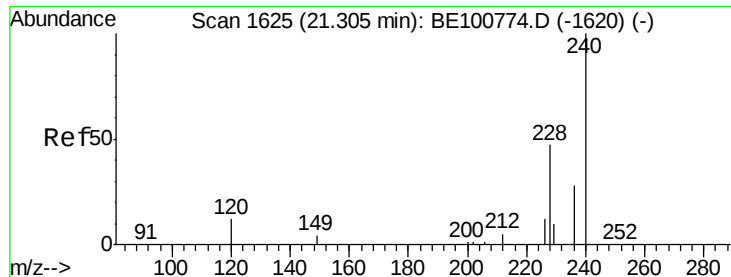


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE100793.D

Acq: 5 Dec 2019 17:39

Instrument :

BNA_E

ClientSampleId :

EXT-029-SW180-112519

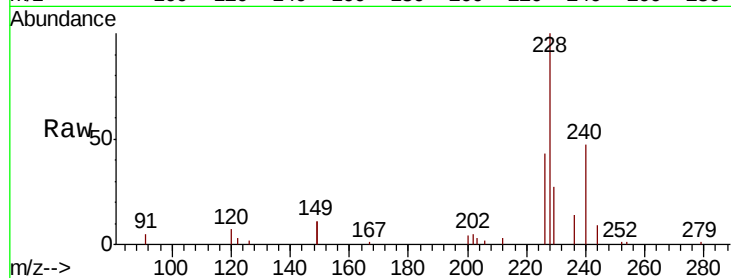
Tot Ion:240 Resp: 42349

Ion Ratio Lower Upper

240 100

120 14.2 10.2 15.2

236 30.4 22.3 33.5

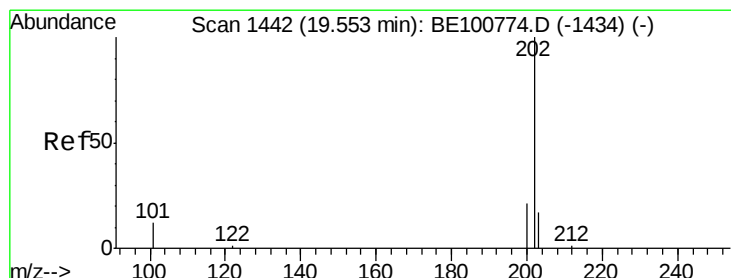
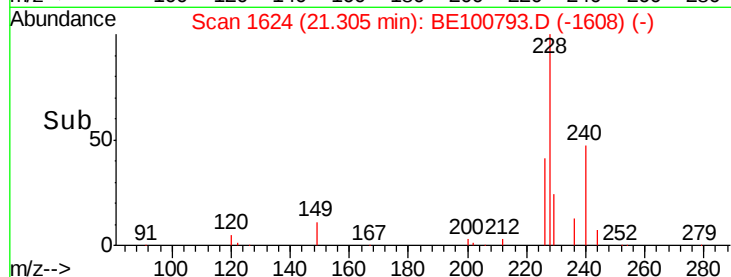
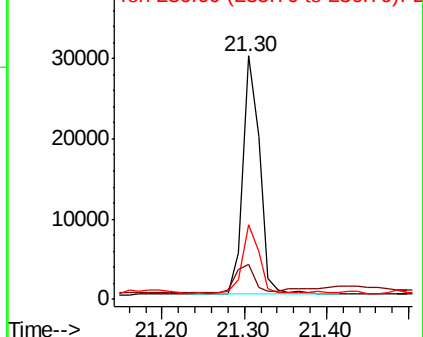


Abundance

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

Pyrene

Concen: 2.998 ng

RT: 19.55 min Scan# 1442

Delta R.T. 0.00 min

Lab File: BE100793.D

Acq: 5 Dec 2019 17:39

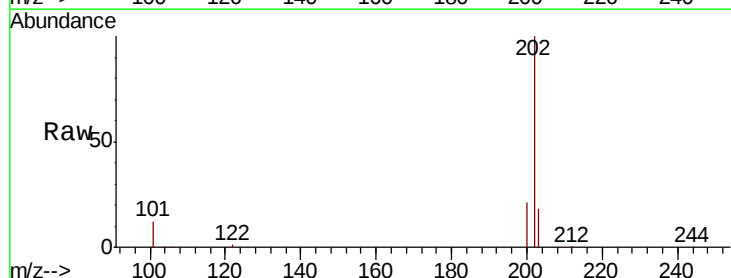
Tgt Ion:202 Resp: 412461

Ion Ratio Lower Upper

202 100

200 21.6 17.0 25.4

203 21.7 13.9 20.9

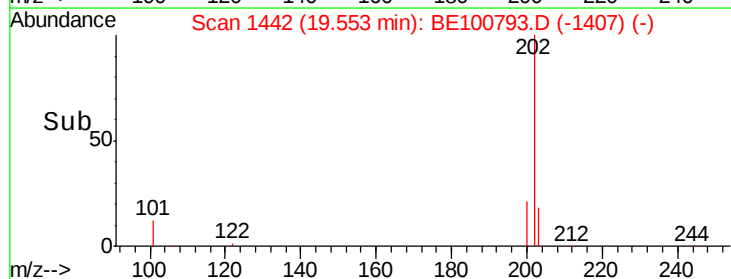
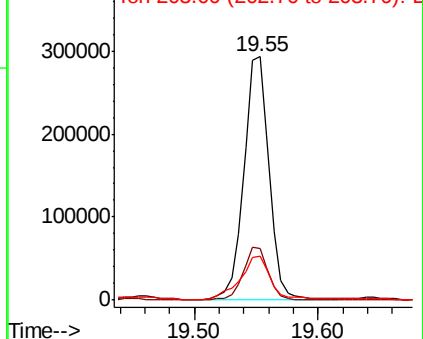


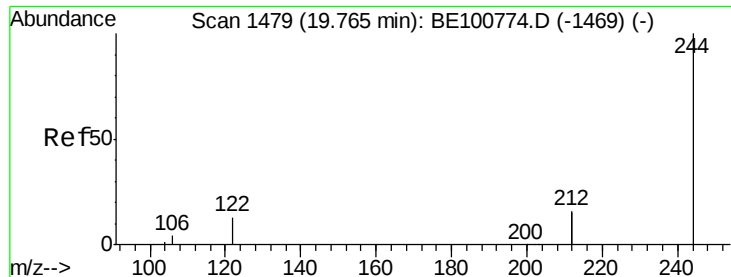
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.231 ng

RT: 19.77 min Scan# 1479

Delta R.T. 0.00 min

Lab File: BE100793.D

Acq: 5 Dec 2019 17:39

Instrument :

BNA_E

ClientSampleId :

EXT-029-SW180-112519

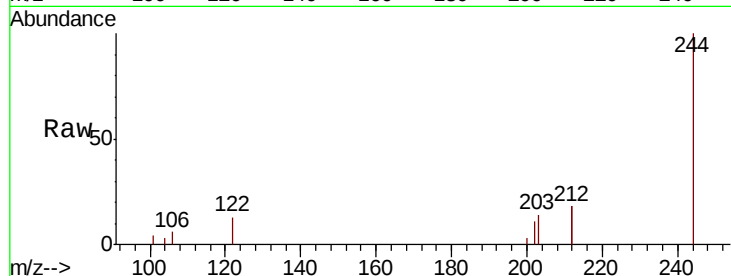
Tot Ion:244 Resp: 23463

Ion Ratio Lower Upper

244 100

212 36.2 26.2 39.4

122 12.8 10.2 15.4

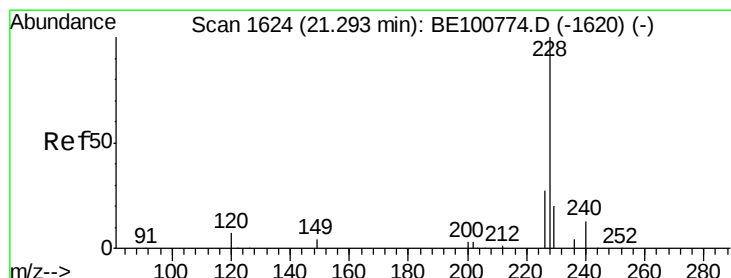
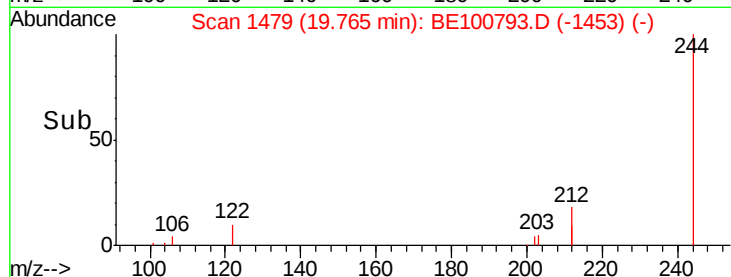
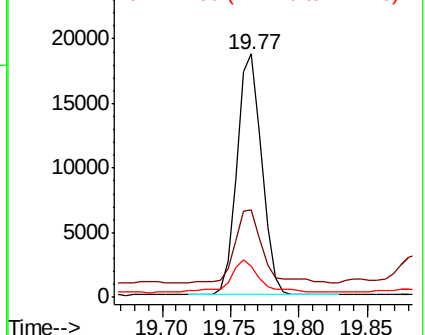


Abundance

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: 2.278 ng

RT: 21.29 min Scan# 1623

Delta R.T. -0.00 min

Lab File: BE100793.D

Acq: 5 Dec 2019 17:39

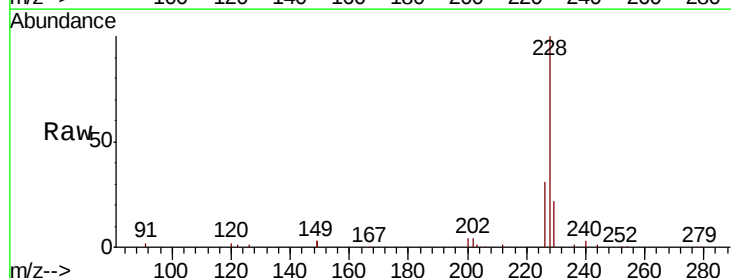
Tgt Ion:228 Resp: 284362

Ion Ratio Lower Upper

228 100

226 30.6 21.5 32.3

229 21.8 16.0 24.0

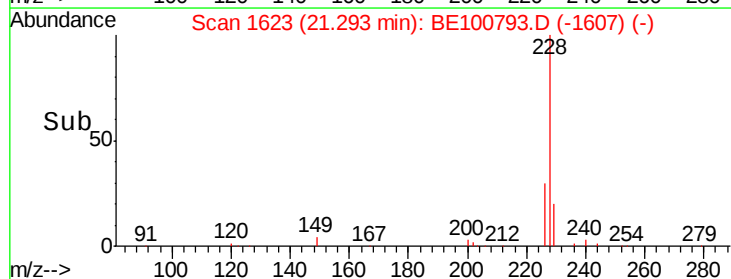
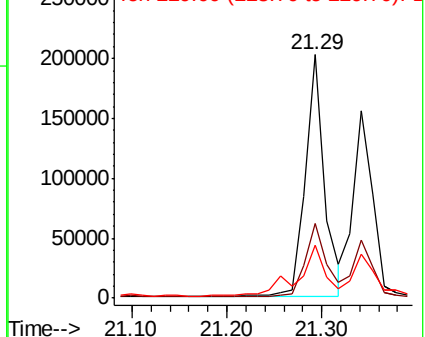


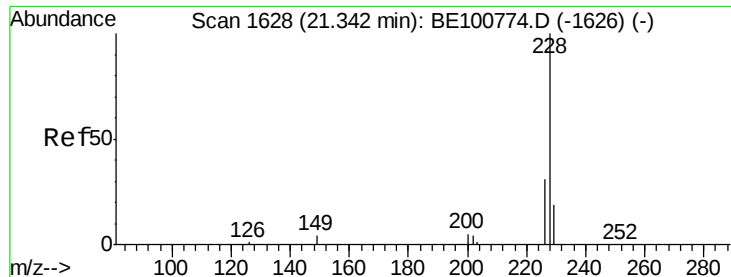
Abundance

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

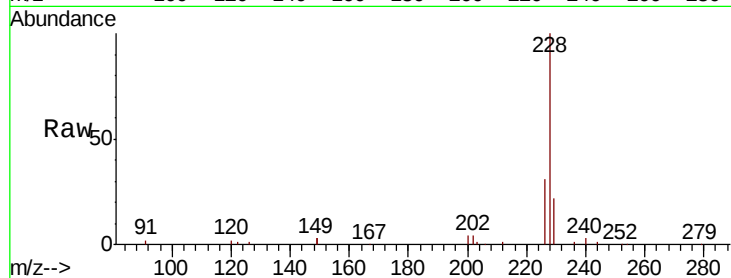




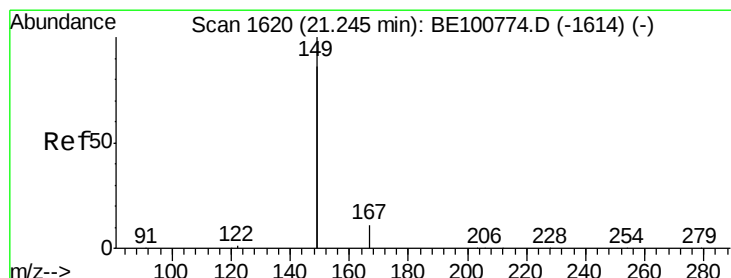
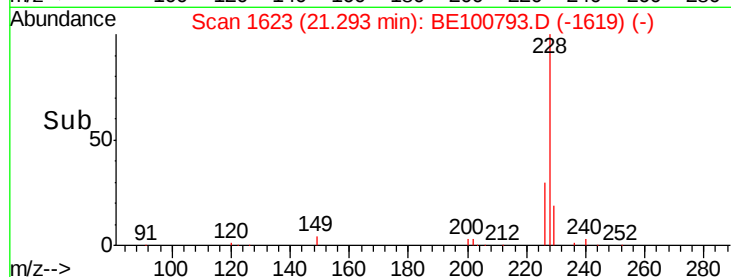
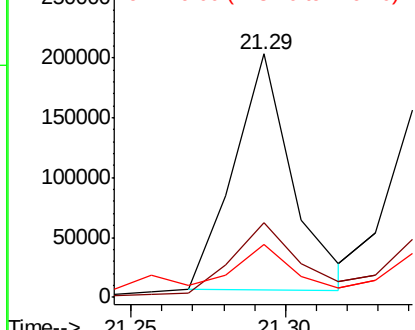
#31
Chrysene
Concen: 1.768 ng
RT: 21.29 min Scan# 1623
Delta R.T. -0.05 min
Lab File: BE100793.D
Acq: 5 Dec 2019 17:39

Instrument :
BNA_E
ClientSampleId :
EXT-029-SW180-112519

Tot Ion:228 Resp: 259293
Ion Ratio Lower Upper
228 100
226 30.6 25.0 37.4
229 21.8 15.4 23.2

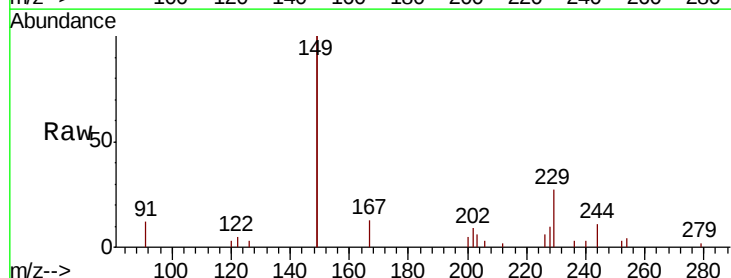


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

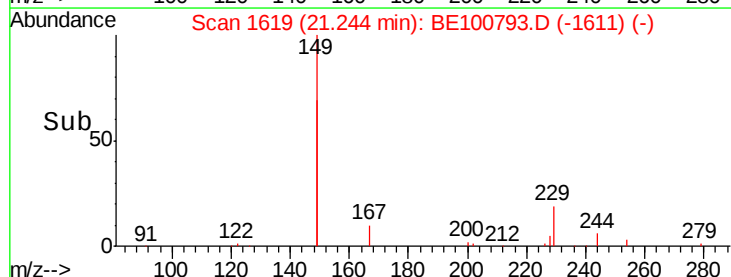
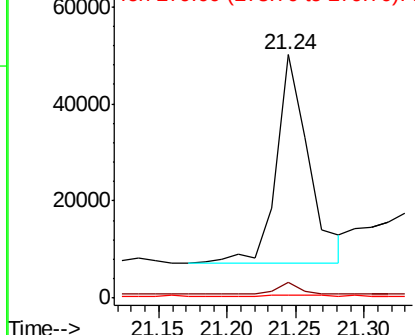


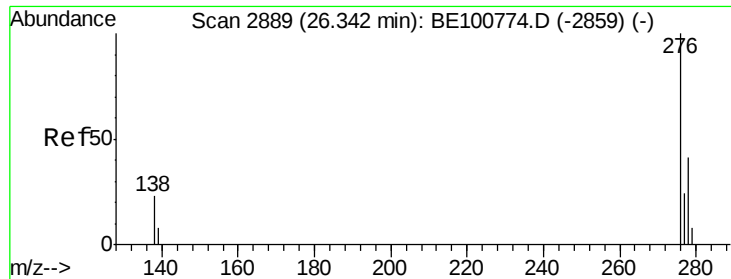
#32
Bis(2-ethylhexyl)phthalate
Concen: 0.769 ng
RT: 21.24 min Scan# 1619
Delta R.T. 0.00 min
Lab File: BE100793.D
Acq: 5 Dec 2019 17:39

Tgt Ion:149 Resp: 69991
Ion Ratio Lower Upper
149 100
167 3.9 5.0 7.6#
279 0.6 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: 0.611 ng

RT: 26.33 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BE100793.D

Acq: 5 Dec 2019 17:39

Instrument :

BNA_E

ClientSampleId :

EXT-029-SW180-112519

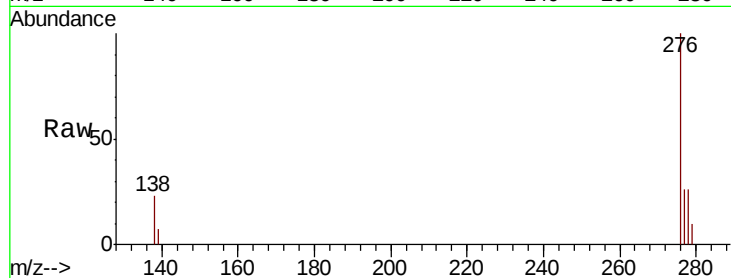
Tot Ion:276 Resp: 78051

Ion Ratio Lower Upper

276 100

138 22.3 19.4 29.0

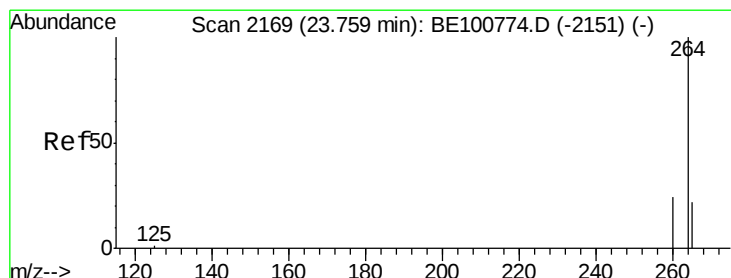
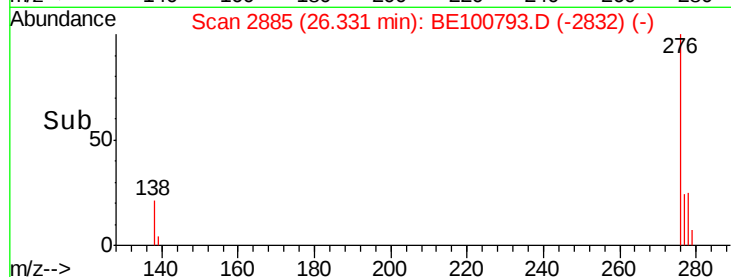
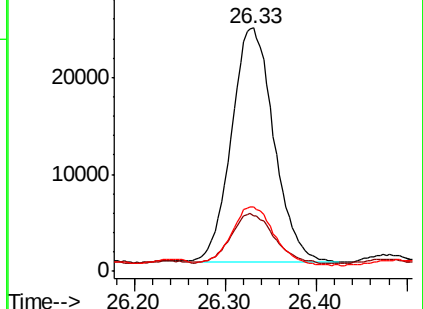
277 25.2 19.8 29.6



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: BE100793.D

Acq: 5 Dec 2019 17:39

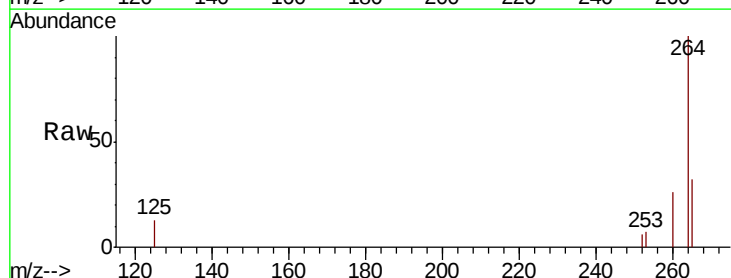
Tgt Ion:264 Resp: 49908

Ion Ratio Lower Upper

264 100

260 26.0 19.4 29.2

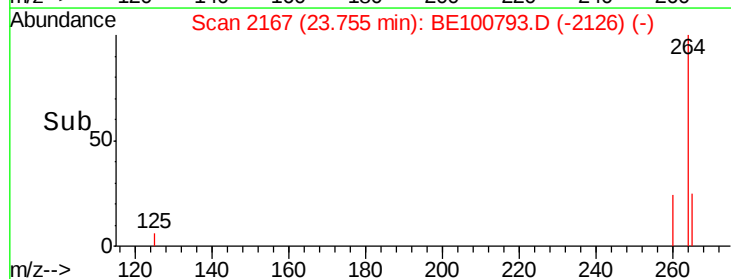
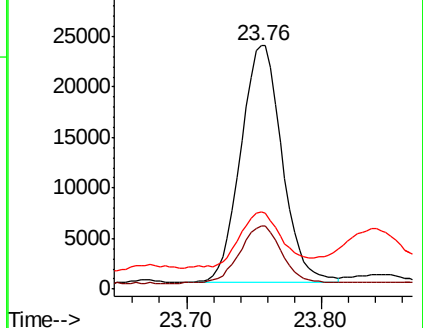
265 31.8 21.8 32.8

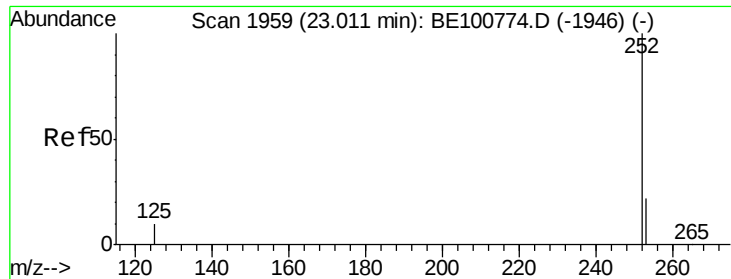


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 1.680 ng

RT: 23.01 min Scan# 1959

Delta R.T. 0.00 min

Lab File: BE100793.D

Acq: 5 Dec 2019 17:39

Instrument :

BNA_E

ClientSampleId :

EXT-029-SW180-112519

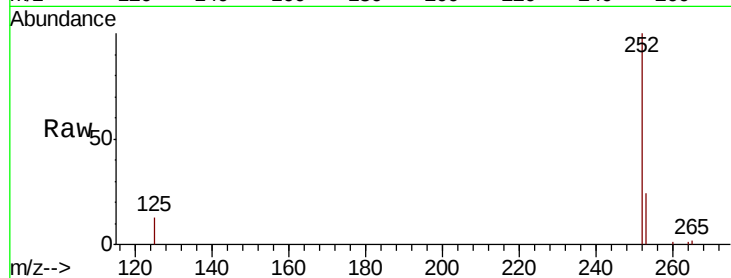
Tot Ion:252 Resp: 229567

Ion Ratio Lower Upper

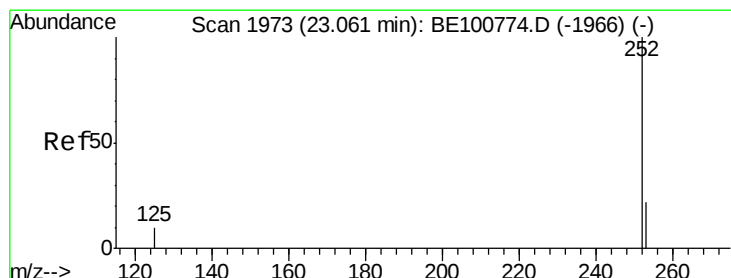
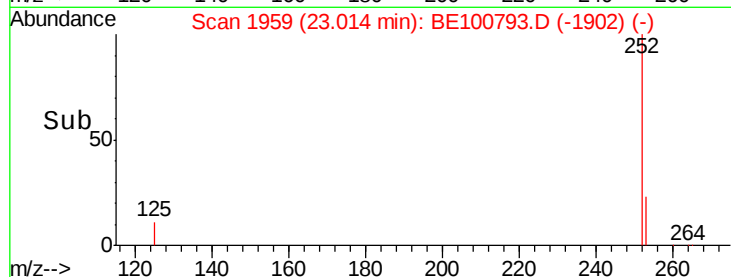
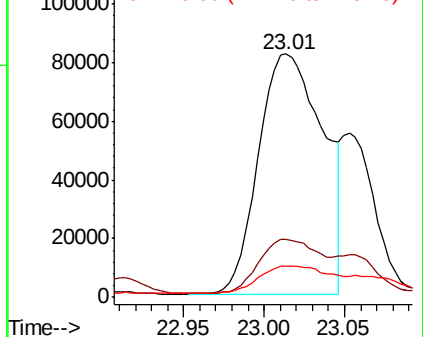
252 100

253 23.9 17.8 26.8

125 12.7 9.0 13.4



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



#36

Benzo(k)fluoranthene

Concen: 1.498 ng

RT: 23.01 min Scan# 1959

Delta R.T. -0.05 min

Lab File: BE100793.D

Acq: 5 Dec 2019 17:39

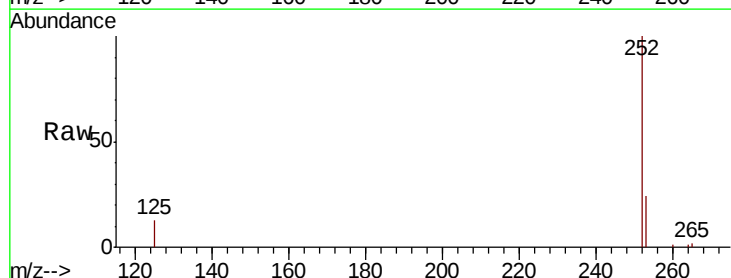
Tgt Ion:252 Resp: 229567

Ion Ratio Lower Upper

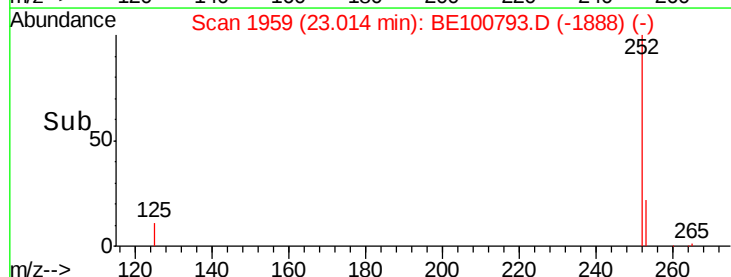
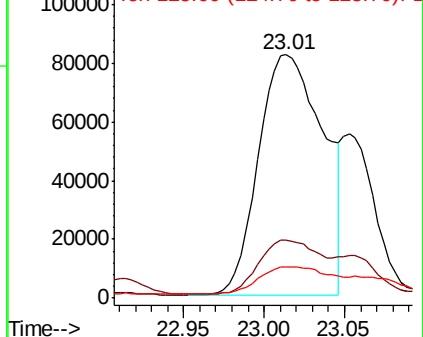
252 100

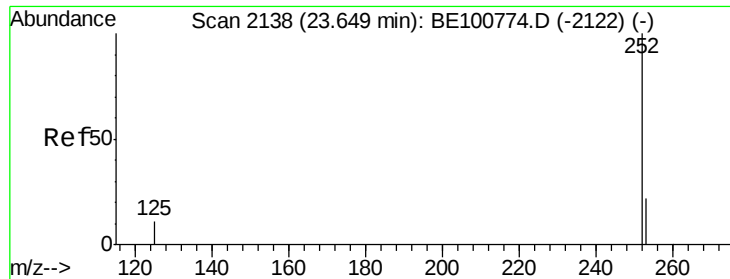
253 23.9 17.8 26.8

125 12.7 8.7 13.1



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





#37

Benzo(a)pyrene

Concen: 1.411 ng

RT: 23.64 min Scan# 2136

Delta R.T. -0.00 min

Lab File: BE100793.D

Acq: 5 Dec 2019 17:39

Instrument :

BNA_E

ClientSampleId :

EXT-029-SW180-112519

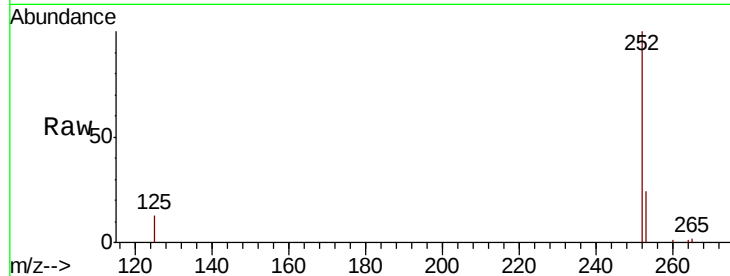
Tot Ion:252 Resp: 166875

Ion Ratio Lower Upper

252 100

253 23.9 18.2 27.4

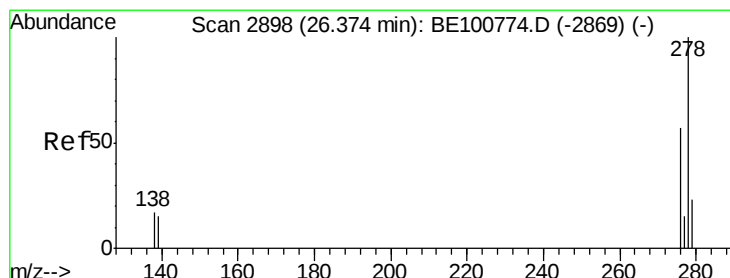
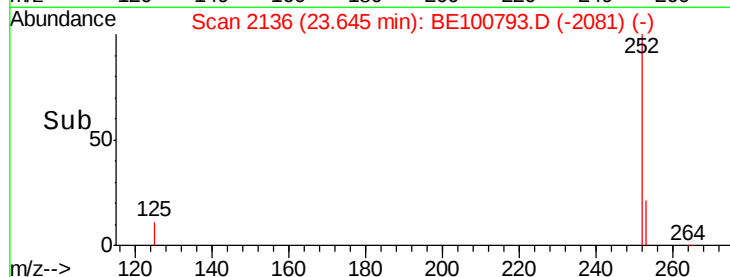
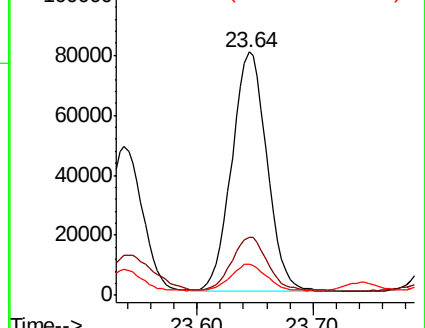
125 12.8 10.4 15.6



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: 0.228 ng

RT: 26.35 min Scan# 2889

Delta R.T. -0.03 min

Lab File: BE100793.D

Acq: 5 Dec 2019 17:39

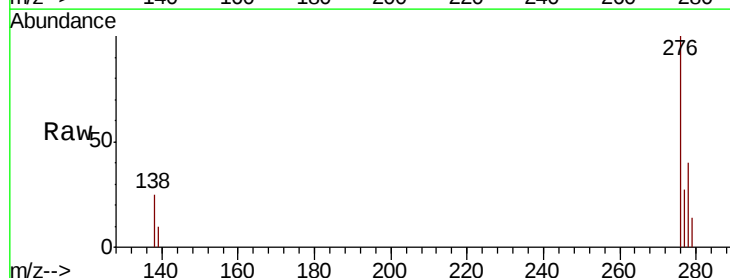
Tgt Ion:278 Resp: 26854

Ion Ratio Lower Upper

278 100

139 24.3 13.0 19.4#

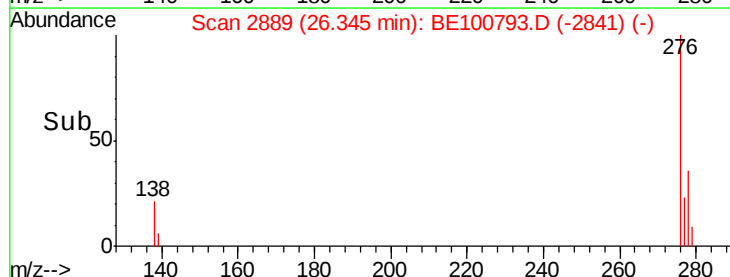
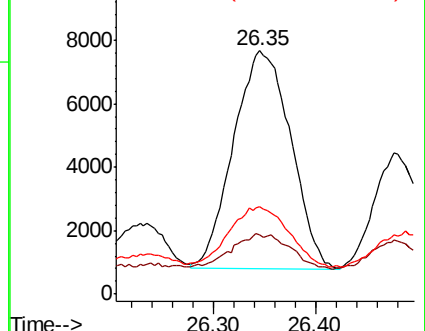
279 36.1 19.6 29.4#

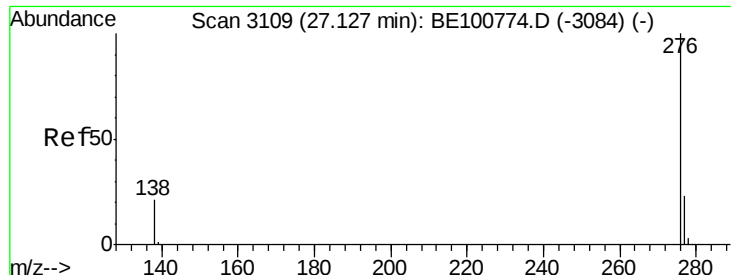


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.539 ng

RT: 27.12 min Scan# 3106

Delta R.T. -0.01 min

Lab File: BE100793.D

Acq: 5 Dec 2019 17:39

Instrument :

BNA_E

ClientSampleId :

EXT-029-SW180-112519

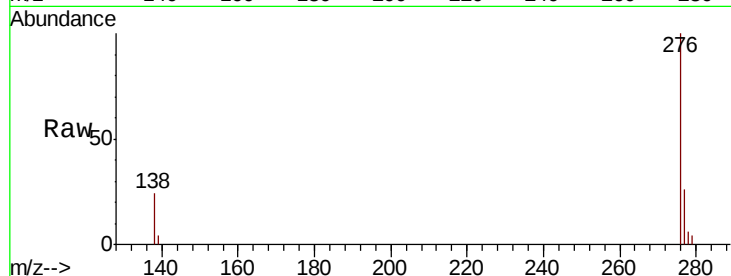
Tot Ion: 276 Resp: 67871

Ion Ratio Lower Upper

276 100

277 26.5 19.3 28.9

138 23.9 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

