

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE120519\
 Data File : BE100781.D
 Acq On : 5 Dec 2019 10:14
 Operator : JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Dec 05 12:50:17 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	5240	0.40	ng	0.00
7) Naphthalene-d8	10.54	136	24438	0.40	ng	0.00
13) Acenaphthene-d10	14.40	164	13174	0.40	ng	0.00
19) Phenanthrene-d10	17.12	188	30759	0.40	ng	-0.01
27) Chrysene-d12	21.31	240	31670	0.40	ng	0.00
34) Perylene-d12	23.75	264	33807	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.37	112	4977	0.40	ng	0.00
5) Phenol-d6	6.93	99	7459	0.40	ng	0.00
8) Nitrobenzene-d5	8.90	82	4580	0.39	ng	0.00
11) 2-Methylnaphthalene-d10	12.14	152	13363	0.38	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	501	0.34	ng	0.00
15) 2-Fluorobiphenyl	13.03	172	19599	0.38	ng	0.00
25) Fluoranthene-d10	19.16	212	128711	0.35	ng	0.00
29) Terphenyl-d14	19.76	244	29180	0.38	ng	0.00

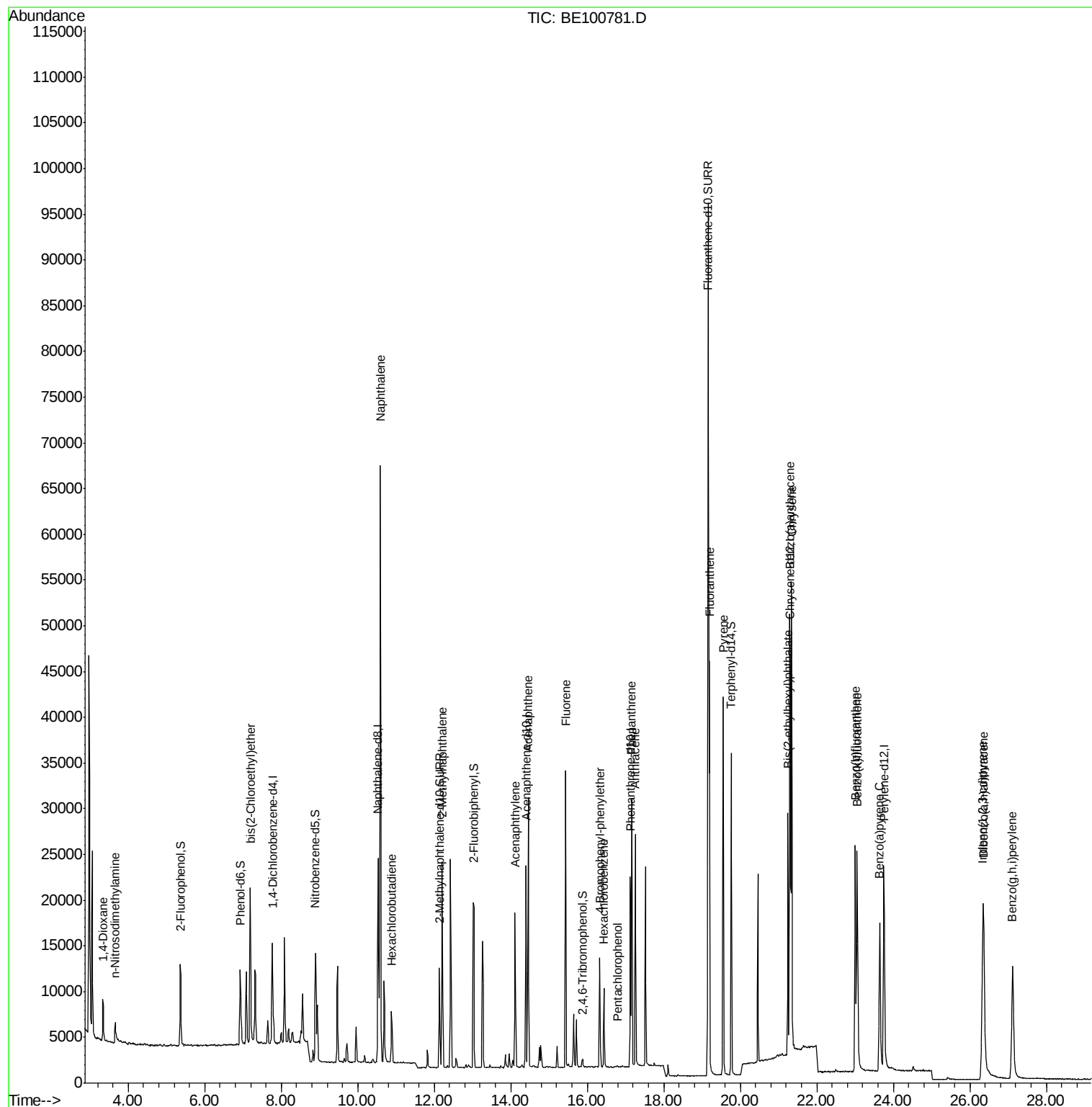
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.35	88	3563	0.373	ng	97
3) n-Nitrosodimethylamine	3.66	42	2752	0.354	ng	# 92
6) bis(2-Chloroethyl)ether	7.19	93	7157	0.395	ng	98
9) Naphthalene	10.59	128	99181	0.382	ng	100
10) Hexachlorobutadiene	10.89	225	3801	0.375	ng	100
12) 2-Methylnaphthalene	12.21	142	14921	0.368	ng	97
16) Acenaphthylene	14.11	152	18768	0.344	ng	99
17) Acenaphthene	14.46	154	13924	0.371	ng	99
18) Fluorene	15.43	166	17659	0.365	ng	99
20) 4-Bromophenyl-phenylether	16.33	248	5689	0.377	ng	97
21) Hexachlorobenzene	16.44	284	6229	0.380	ng	98
22) Pentachlorophenol	16.79	266	107	0.094	ng	94
23) Phenanthrene	17.16	178	35296	0.379	ng	99
24) Anthracene	17.25	178	27111	0.348	ng	98
26) Fluoranthene	19.19	202	39605	0.356	ng	100
28) Pyrene	19.55	202	39013	0.379	ng	100
30) Benzo(a)anthracene	21.29	228	34046	0.365	ng	100
31) Chrysene	21.34	228	42246	0.385	ng	98
32) Bis(2-ethylhexyl)phthalate	21.25	149	28059	0.428	ng	100
33) Indeno(1,2,3-cd)pyrene	26.34	276	34414	0.360	ng	100
35) Benzo(b)fluoranthene	23.01	252	34347	0.371	ng	99
36) Benzo(k)fluoranthene	23.06	252	38456	0.371	ng	99
37) Benzo(a)pyrene	23.64	252	28738	0.359	ng	99
38) Dibenzo(a,h)anthracene	26.36	278	27801	0.349	ng	99
39) Benzo(g,h,i)perylene	27.12	276	32133	0.377	ng	99

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

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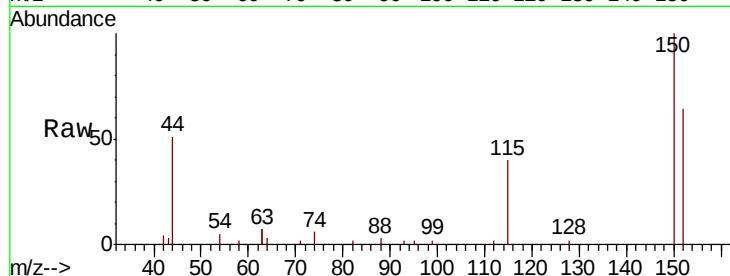


#1

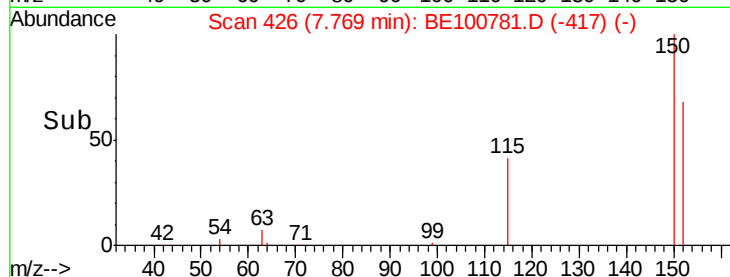
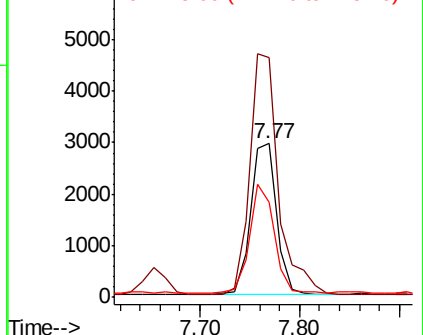
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.77 min Scan# 426
Delta R.T. -0.00 min
Lab File: BE100781.D
Acq: 5 Dec 2019 10:14

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 5240
Ion Ratio Lower Upper
152 100
150 156.2 120.6 181.0
115 62.0 47.4 71.2



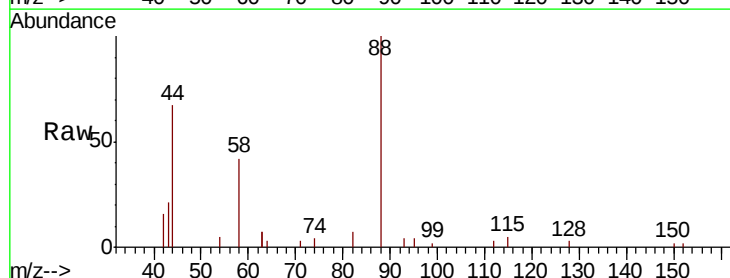
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



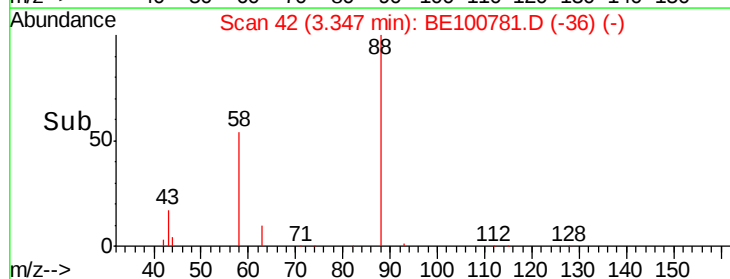
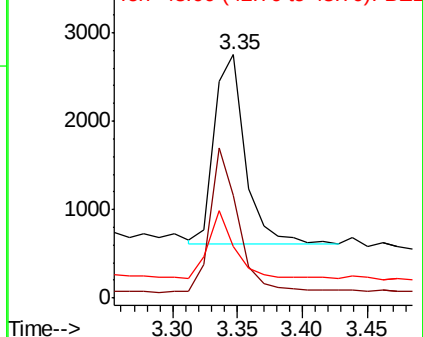
#2

1,4-Dioxane
Concen: 0.373 ng
RT: 3.35 min Scan# 42
Delta R.T. -0.00 min
Lab File: BE100781.D
Acq: 5 Dec 2019 10:14

Tgt Ion: 88 Resp: 3563
Ion Ratio Lower Upper
88 100
58 68.3 52.5 78.7
43 29.9 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



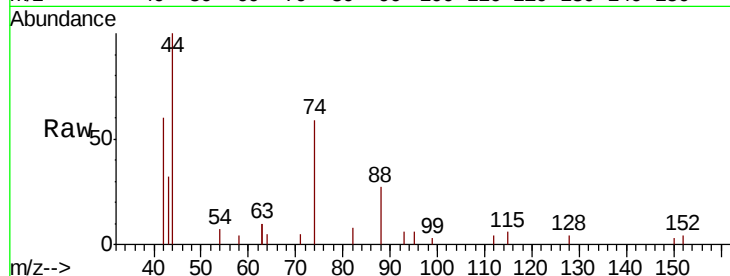


#3

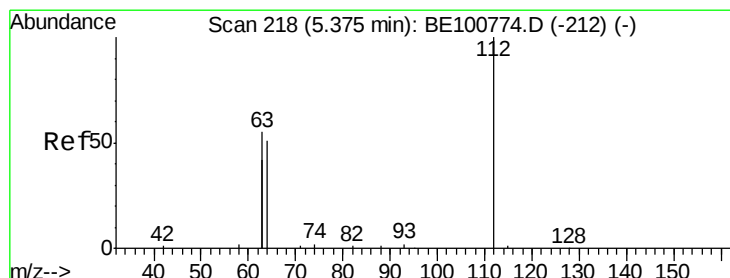
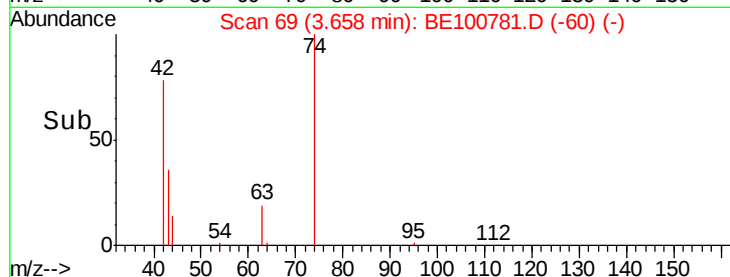
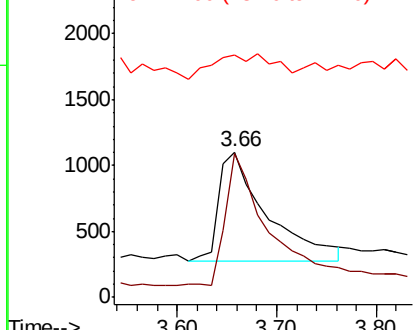
n-Nitrosodimethylamine
 Concen: 0.354 ng
 RT: 3.66 min Scan# 69
 Delta R.T. -0.00 min
 Lab File: BE100781.D
 Acq: 5 Dec 2019 10:14

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion: 42 Resp: 2752
 Ion Ratio Lower Upper
 42 100
 74 112.7 86.3 129.5
 44 0.0 11.6 17.4#



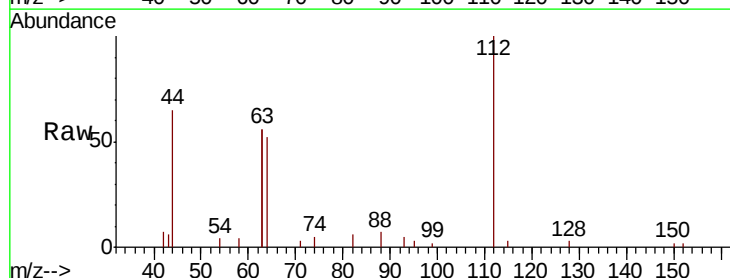
Abundance Ion 42.00 (41.70 to 42.70): BE1
 Ion 74.00 (73.70 to 74.70): BE1
 Ion 44.00 (43.70 to 44.70): BE1



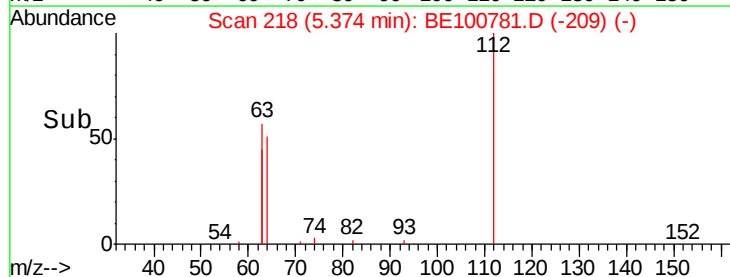
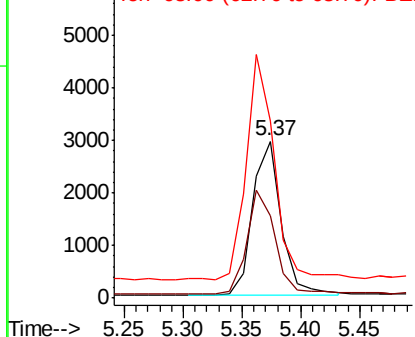
#4

2-Fluorophenol
 Concen: 0.400 ng
 RT: 5.37 min Scan# 218
 Delta R.T. -0.00 min
 Lab File: BE100781.D
 Acq: 5 Dec 2019 10:14

Tgt Ion: 112 Resp: 4977
 Ion Ratio Lower Upper
 112 100
 64 66.3 54.1 81.1
 63 140.2 113.2 169.8



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: 0.397 ng

RT: 6.93 min Scan# 353

Delta R.T. -0.00 min

Lab File: BE100781.D

Acq: 5 Dec 2019 10:14

Instrument :

BNA_E

ClientSampleId :

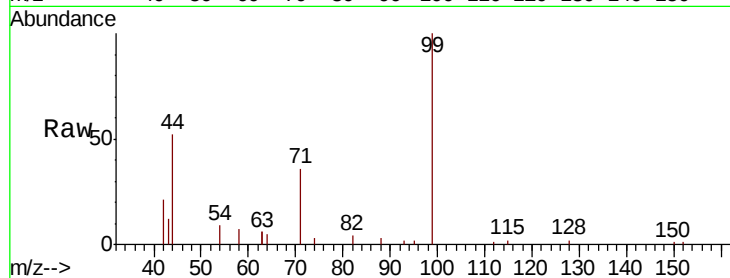
Tot Ion: 99 Resp: 7459

Ion Ratio Lower Upper

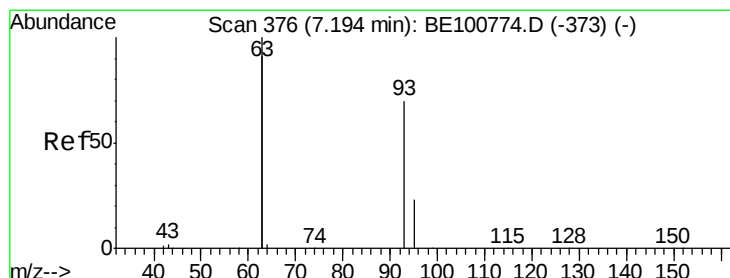
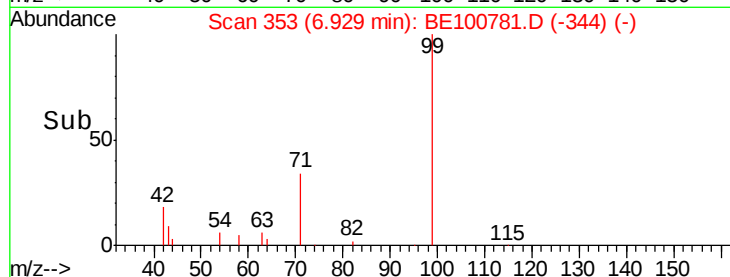
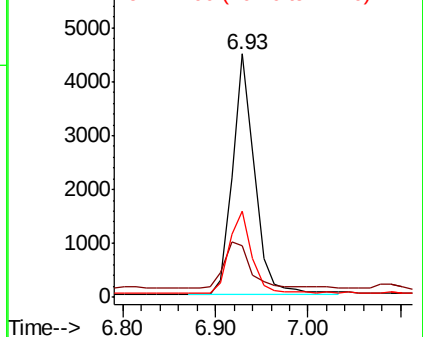
99 100

42 22.8 19.1 28.7

71 36.1 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: 0.395 ng

RT: 7.19 min Scan# 376

Delta R.T. -0.00 min

Lab File: BE100781.D

Acq: 5 Dec 2019 10:14

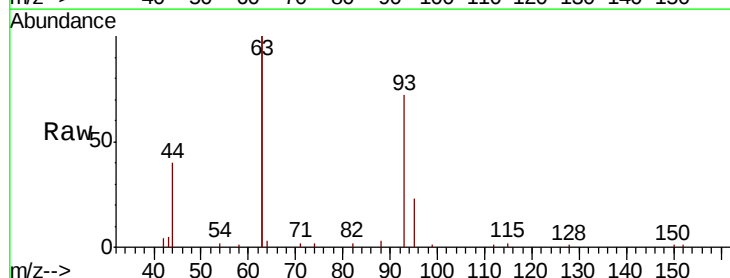
Tgt Ion: 93 Resp: 7157

Ion Ratio Lower Upper

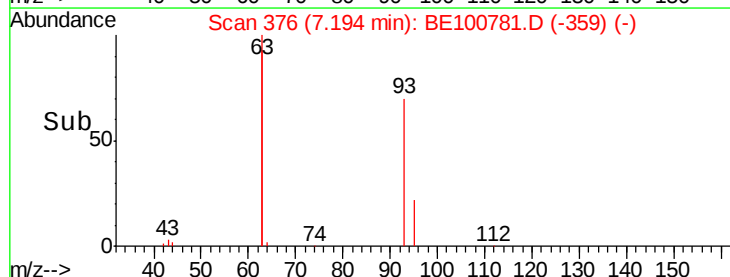
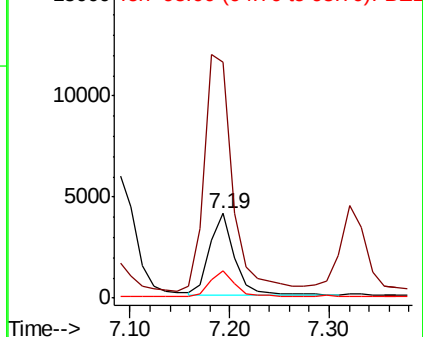
93 100

63 319.3 259.4 389.0

95 31.6 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: BE100781.D

Acq: 5 Dec 2019 10:14

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 24438

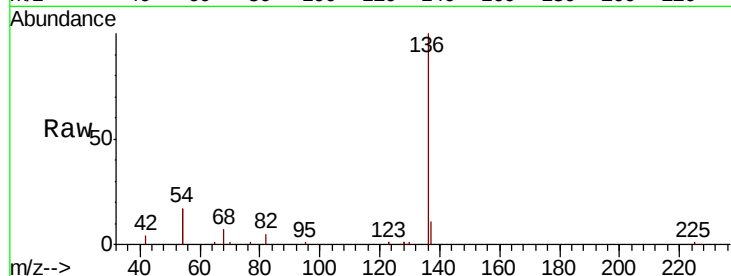
Ion Ratio Lower Upper

136 100

137 11.2 9.4 14.0

54 34.1 31.1 46.7

68 7.0 6.6 10.0

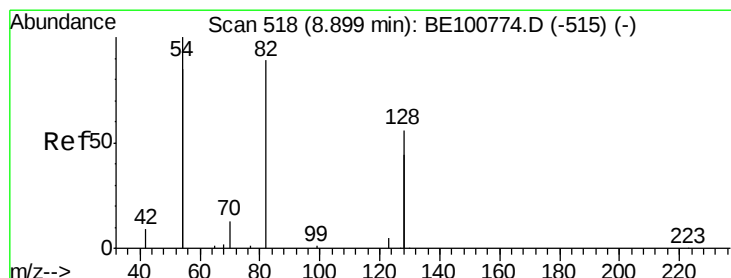
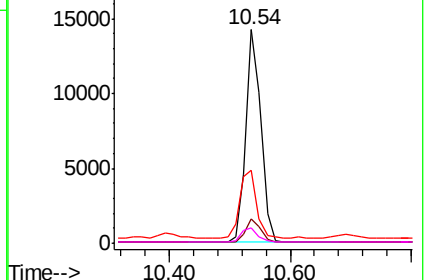
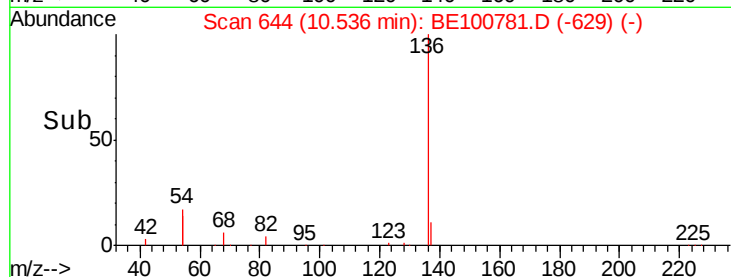


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.394 ng

RT: 8.90 min Scan# 518

Delta R.T. -0.00 min

Lab File: BE100781.D

Acq: 5 Dec 2019 10:14

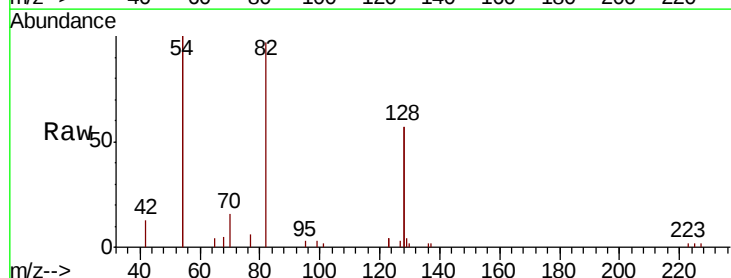
Tgt Ion: 82 Resp: 4580

Ion Ratio Lower Upper

82 100

128 117.4 97.0 145.4

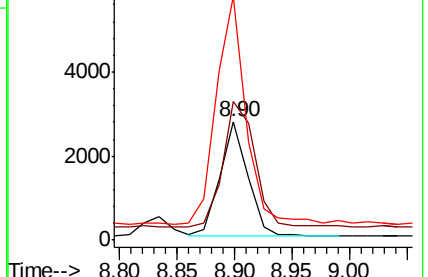
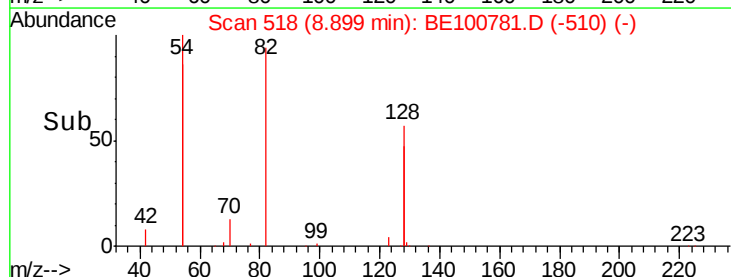
54 205.5 171.8 257.6

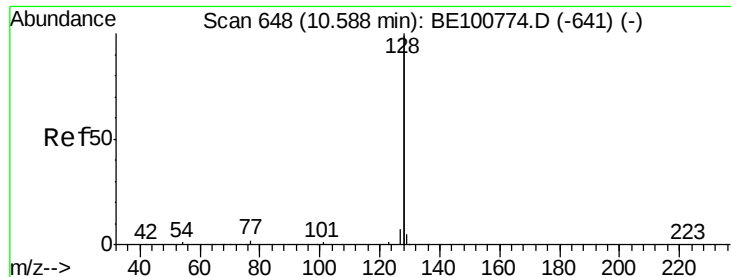


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.382 ng

RT: 10.59 min Scan# 648

Delta R.T. -0.00 min

Lab File: BE100781.D

Acq: 5 Dec 2019 10:14

Instrument :

BNA_E

ClientSampleId :

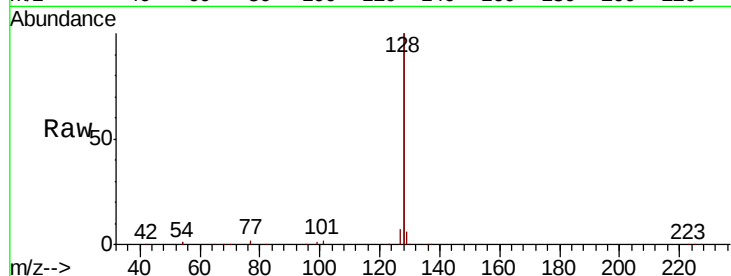
Tot Ion:128 Resp: 99181

Ion Ratio Lower Upper

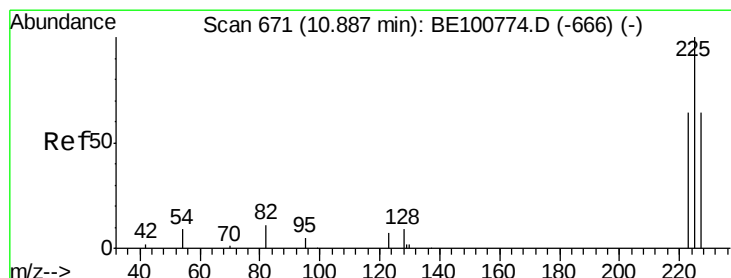
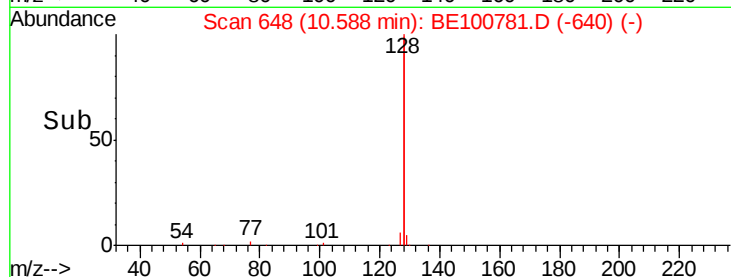
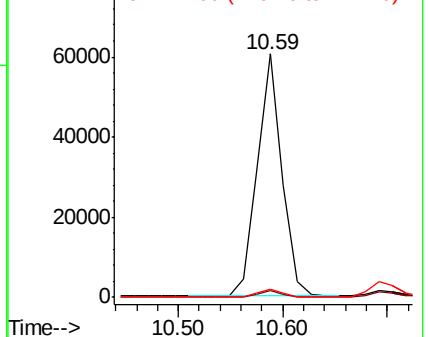
128 100

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: 0.375 ng

RT: 10.89 min Scan# 671

Delta R.T. -0.00 min

Lab File: BE100781.D

Acq: 5 Dec 2019 10:14

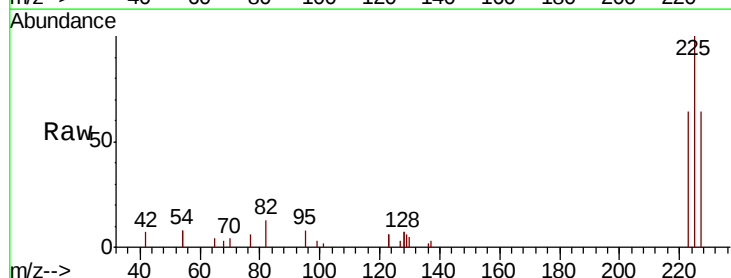
Tgt Ion:225 Resp: 3801

Ion Ratio Lower Upper

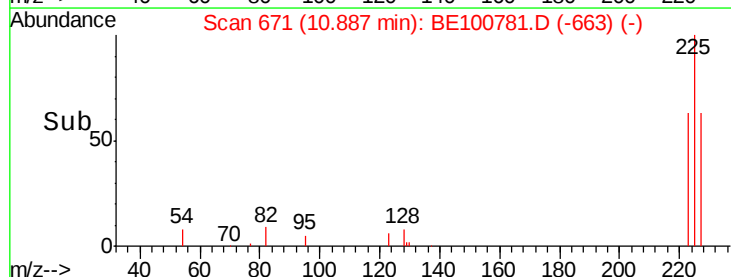
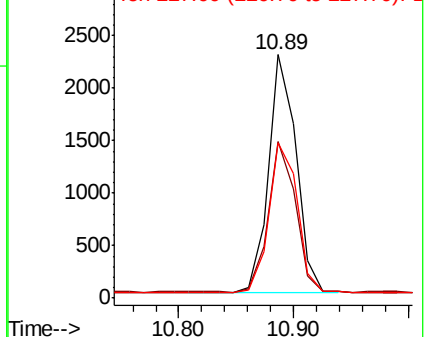
225 100

223 62.5 49.9 74.9

227 65.2 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: 0.377 ng

RT: 12.14 min Scan# 758

Delta R.T. 0.00 min

Lab File: BE100781.D

Acq: 5 Dec 2019 10:14

Instrument :

BNA_E

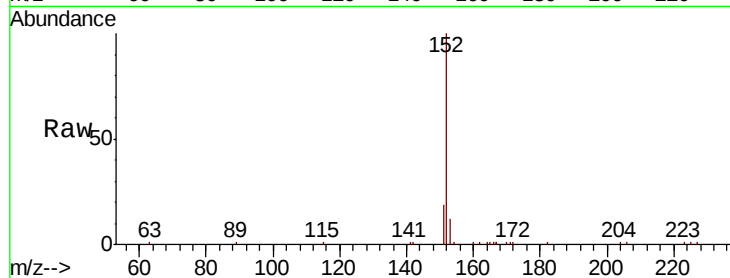
ClientSampleId :

Tot Ion:152 Resp: 13363

Ion Ratio Lower Upper

152 100

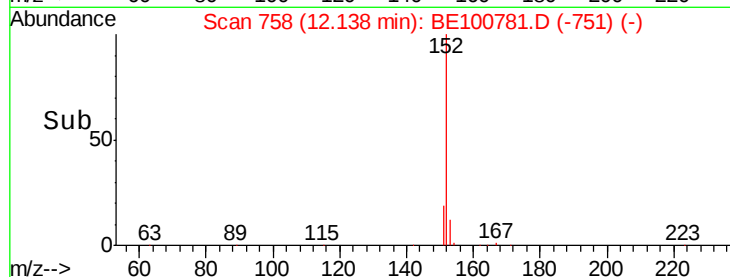
151 19.6 15.8 23.8



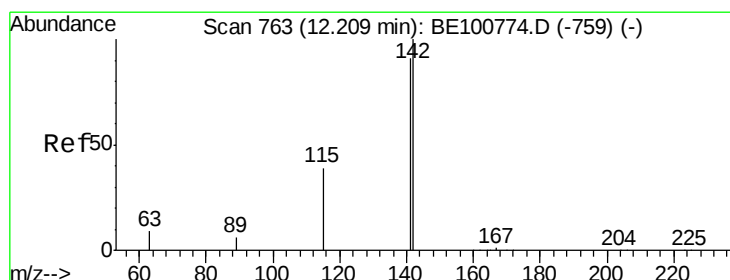
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.14



Time--> 12.00 12.10 12.20 12.30



#12

2-Methylnaphthalene

Concen: 0.368 ng

RT: 12.21 min Scan# 763

Delta R.T. 0.00 min

Lab File: BE100781.D

Acq: 5 Dec 2019 10:14

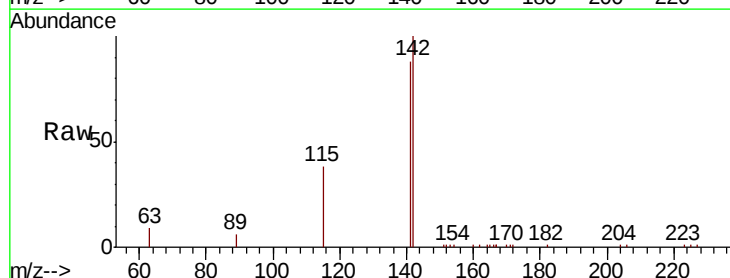
Tgt Ion:142 Resp: 14921

Ion Ratio Lower Upper

142 100

141 88.2 72.6 108.8

115 38.2 31.8 47.6

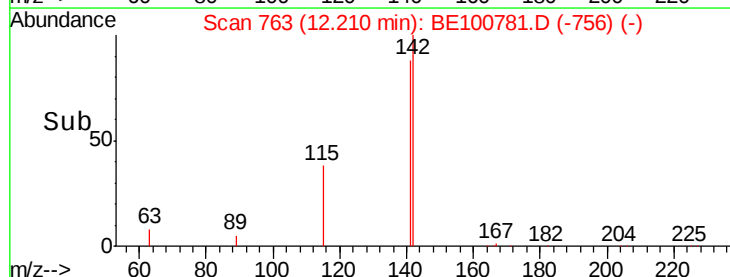


Abundance Ion 142.00 (141.70 to 142.70): E

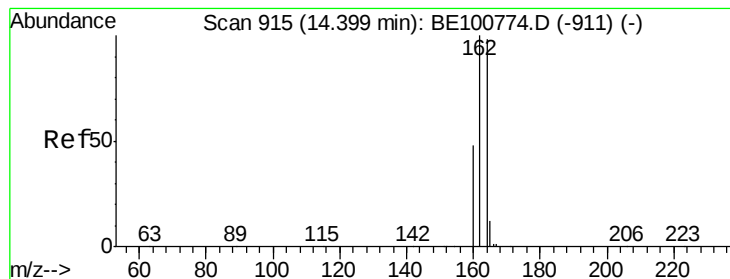
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

12.21



Time--> 12.10 12.20 12.30



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.40 min Scan# 915

Delta R.T. 0.00 min

Lab File: BE100781.D

Acq: 5 Dec 2019 10:14

Instrument :

BNA_E

ClientSampleId :

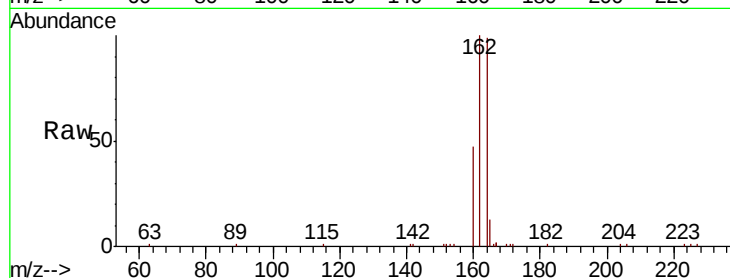
Tot Ion:164 Resp: 13174

Ion Ratio Lower Upper

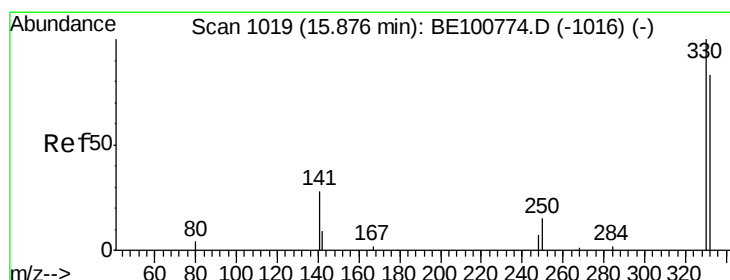
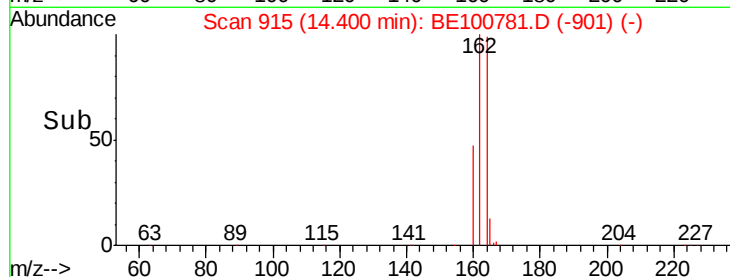
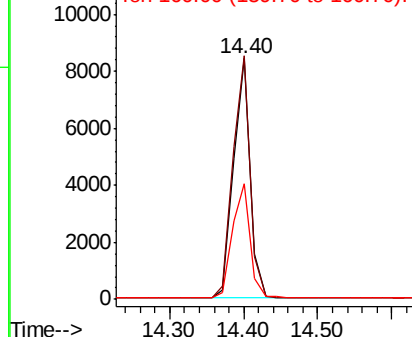
164 100

162 101.2 81.4 122.0

160 47.9 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: 0.342 ng

RT: 15.88 min Scan# 1019

Delta R.T. -0.00 min

Lab File: BE100781.D

Acq: 5 Dec 2019 10:14

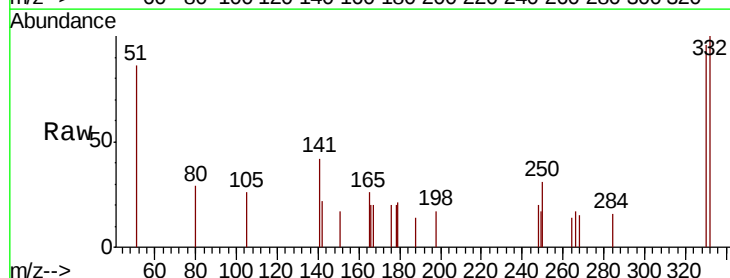
Tgt Ion:330 Resp: 501

Ion Ratio Lower Upper

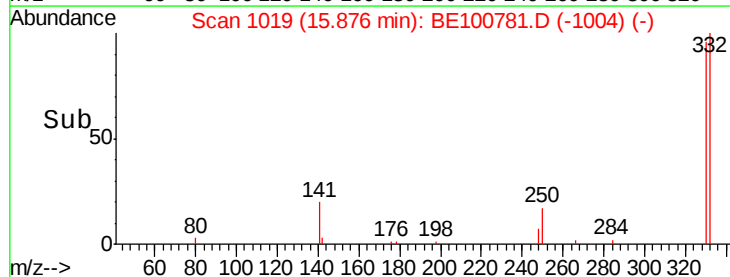
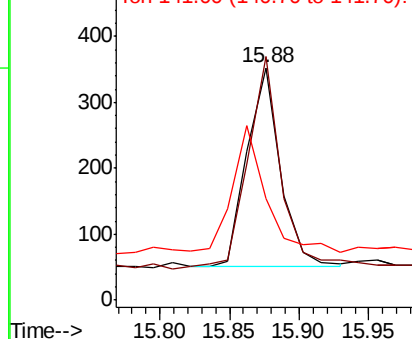
330 100

332 112.4 69.4 104.2#

141 63.7 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

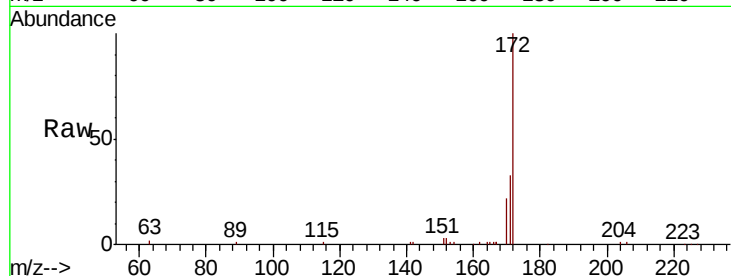




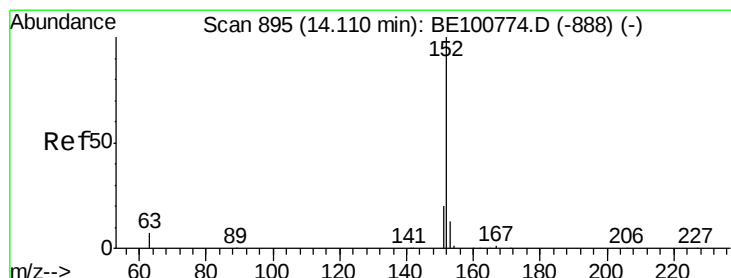
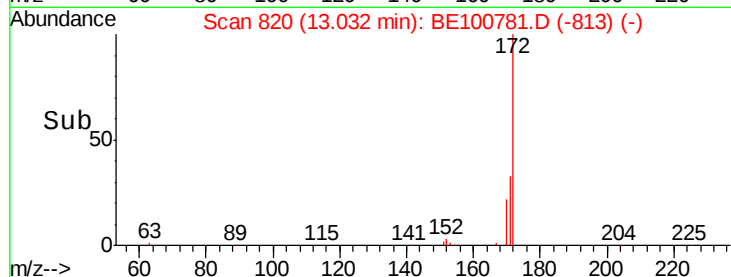
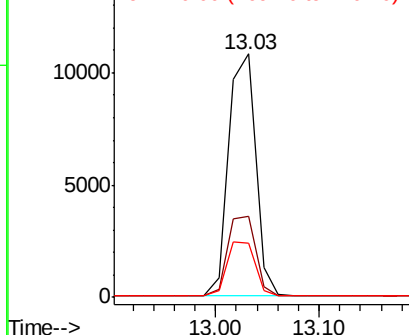
#15
2-Fluorobiphenyl
Concen: 0.375 ng
RT: 13.03 min Scan# 820
Delta R.T. 0.00 min
Lab File: BE100781.D
Acq: 5 Dec 2019 10:14

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 19599
Ion Ratio Lower Upper
172 100
171 33.1 27.2 40.8
170 22.5 18.0 27.0

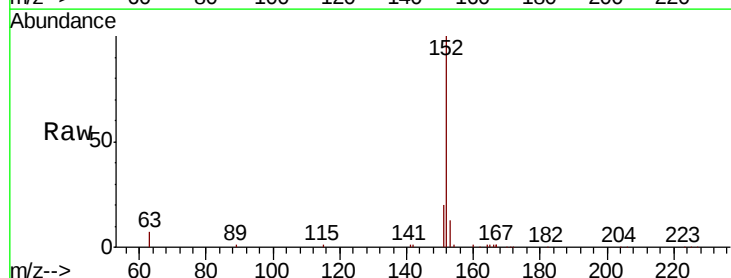


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

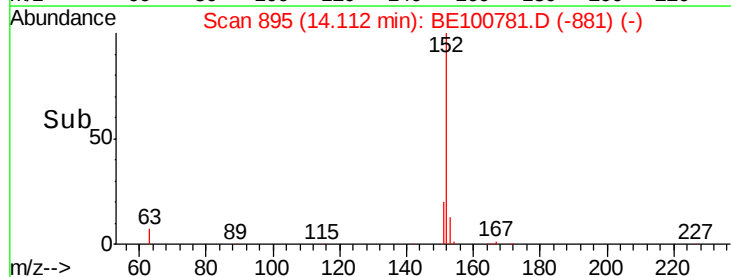
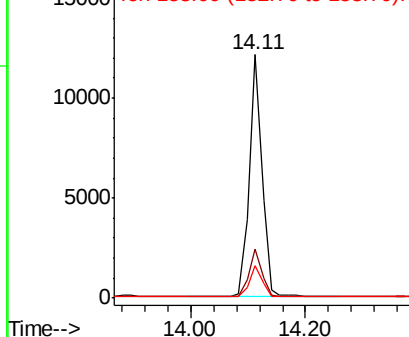


#16
Acenaphthylene
Concen: 0.344 ng
RT: 14.11 min Scan# 895
Delta R.T. 0.00 min
Lab File: BE100781.D
Acq: 5 Dec 2019 10:14

Tgt Ion:152 Resp: 18768
Ion Ratio Lower Upper
152 100
151 20.2 15.8 23.6
153 12.9 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: 0.371 ng

RT: 14.46 min Scan# 919

Delta R.T. 0.00 min

Lab File: BE100781.D

Acq: 5 Dec 2019 10:14

Instrument :

BNA_E

ClientSampleId :

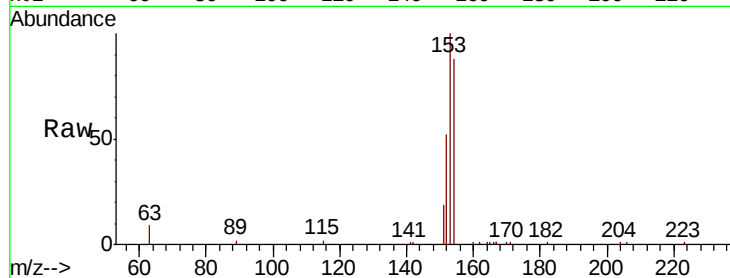
Tot Ion:154 Resp: 13924

Ion Ratio Lower Upper

154 100

153 114.6 92.2 138.2

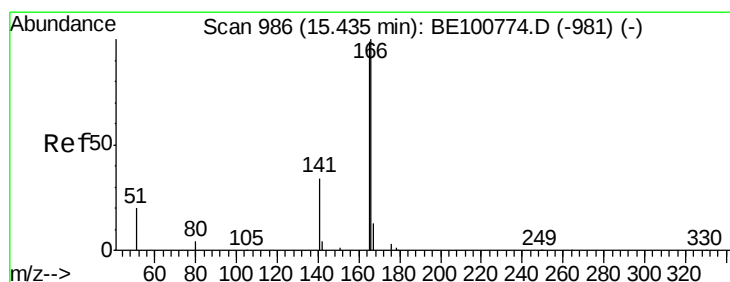
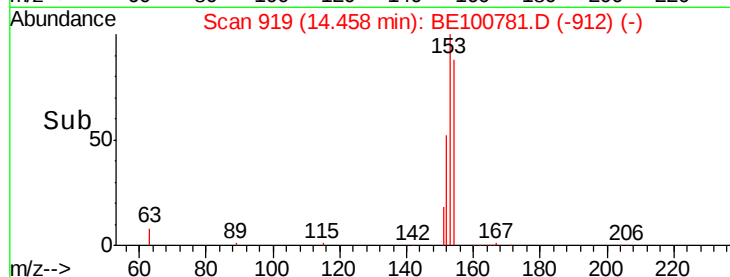
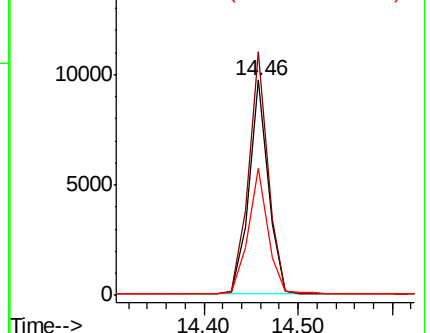
152 60.0 49.1 73.7



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: 0.365 ng

RT: 15.43 min Scan# 986

Delta R.T. -0.00 min

Lab File: BE100781.D

Acq: 5 Dec 2019 10:14

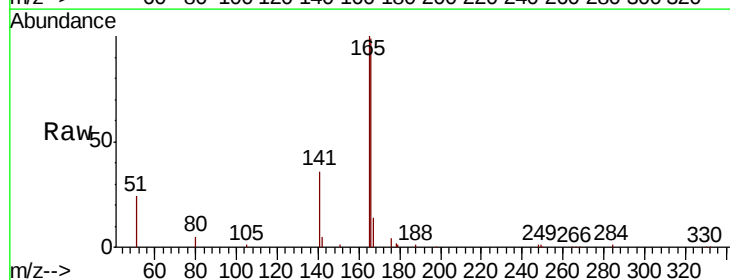
Tgt Ion:166 Resp: 17659

Ion Ratio Lower Upper

166 100

165 99.3 80.5 120.7

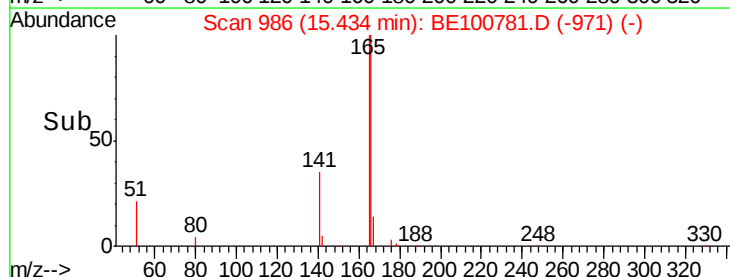
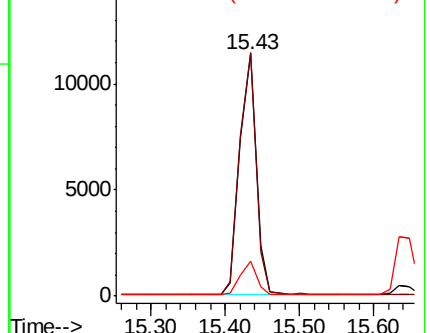
167 13.8 10.7 16.1



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: BE100781.D

Acq: 5 Dec 2019 10:14

Instrument :

BNA_E

ClientSampleId :

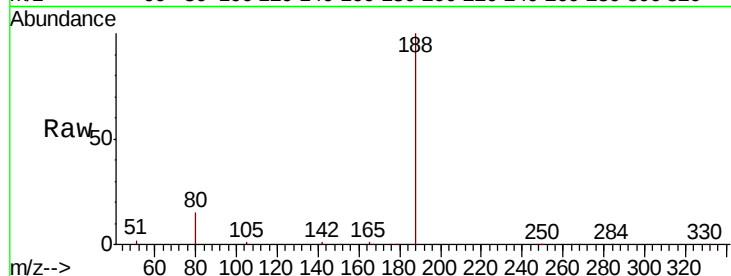
Tot Ion:188 Resp: 30759

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

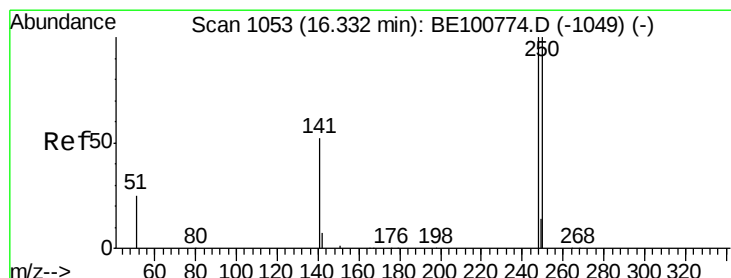
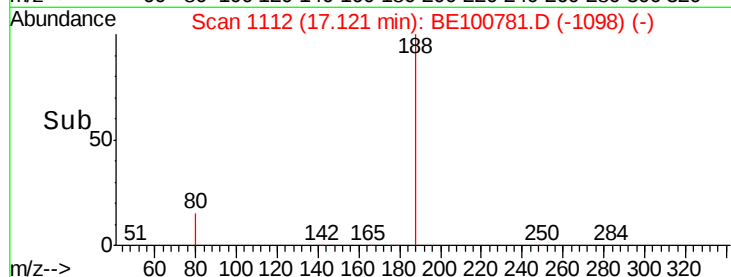
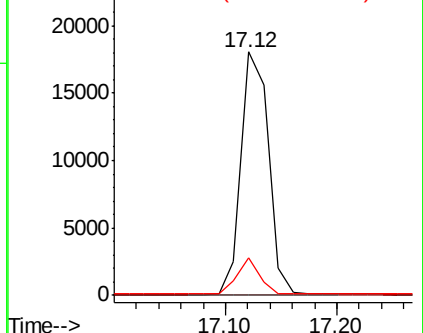
80 15.3 5.2 7.8#



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



#20

4-Bromophenyl-phenylether

Concen: 0.377 ng

RT: 16.33 min Scan# 1053

Delta R.T. -0.00 min

Lab File: BE100781.D

Acq: 5 Dec 2019 10:14

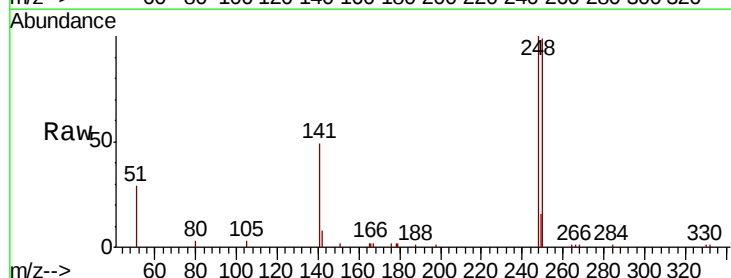
Tgt Ion:248 Resp: 5689

Ion Ratio Lower Upper

248 100

250 99.2 80.5 120.7

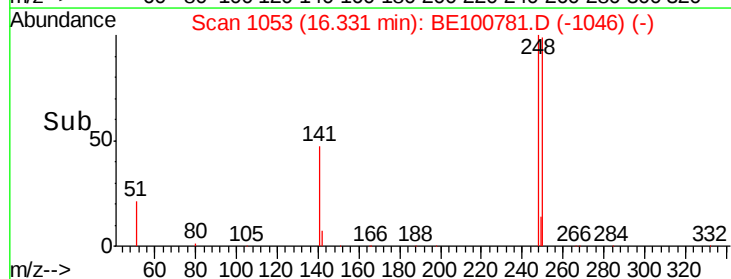
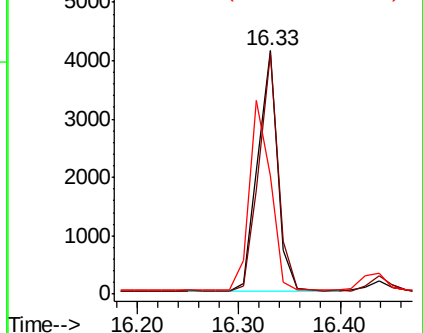
141 48.6 42.6 64.0

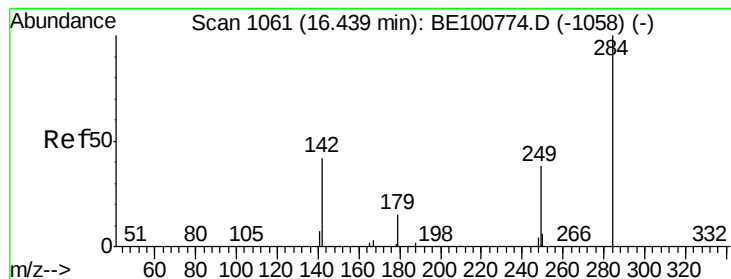


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.380 ng

RT: 16.44 min Scan# 1061

Delta R.T. -0.00 min

Lab File: BE100781.D

Acq: 5 Dec 2019 10:14

Instrument :

BNA_E

ClientSampled :

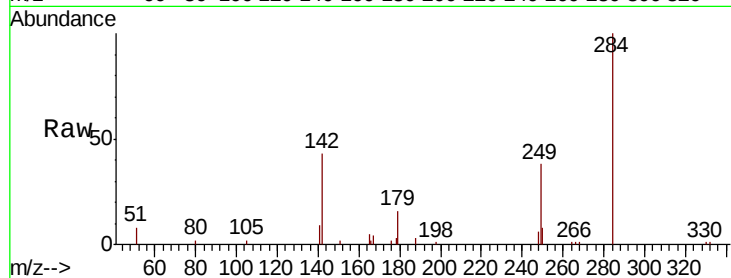
Tot Ion:284 Resp: 6229

Ion Ratio Lower Upper

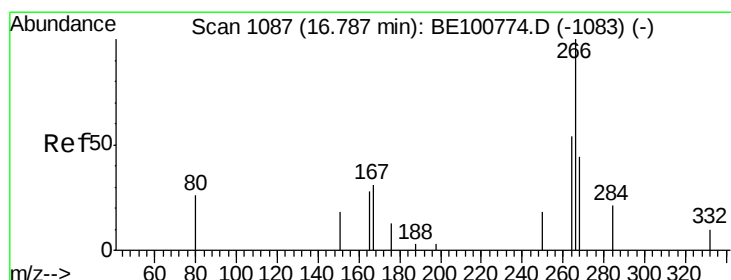
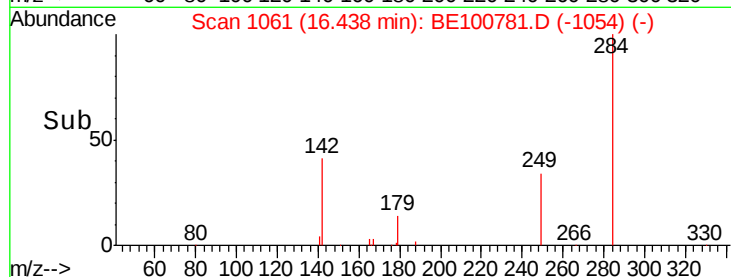
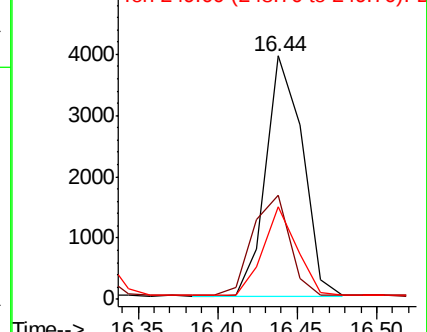
284 100

142 42.3 34.4 51.6

249 33.7 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: 0.094 ng

RT: 16.79 min Scan# 1087

Delta R.T. -0.00 min

Lab File: BE100781.D

Acq: 5 Dec 2019 10:14

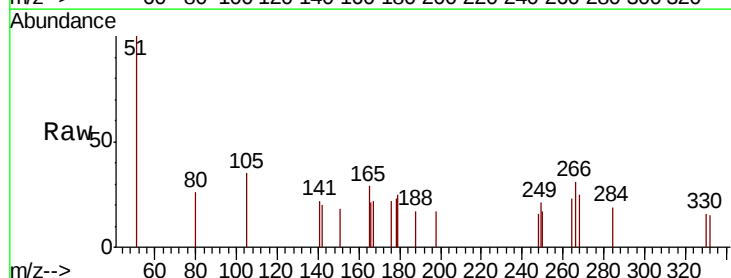
Tgt Ion:266 Resp: 107

Ion Ratio Lower Upper

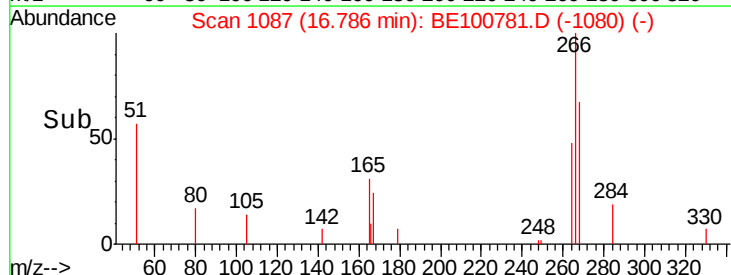
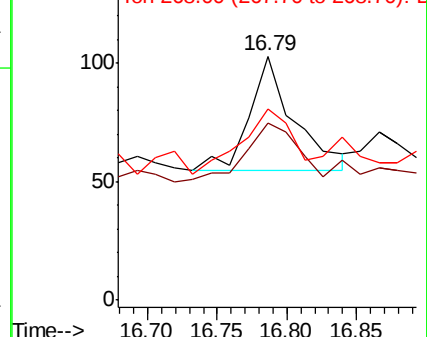
266 100

264 72.8 63.4 95.0

268 78.6 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: 0.379 ng

RT: 17.16 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BE100781.D

Acq: 5 Dec 2019 10:14

Instrument :

BNA_E

ClientSampled :

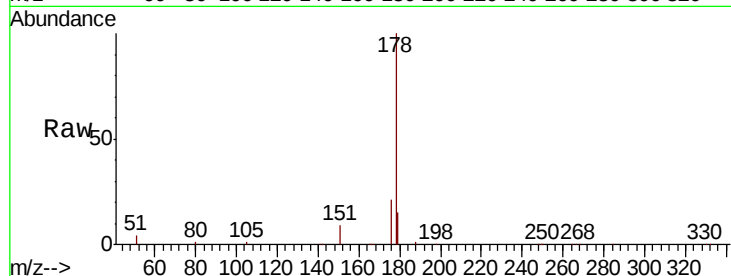
Tot Ion:178 Resp: 35296

Ion Ratio Lower Upper

178 100

176 19.6 15.5 23.3

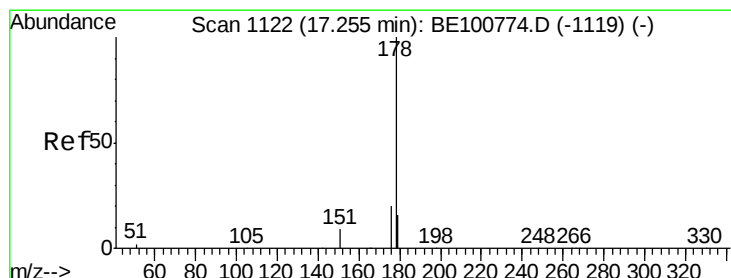
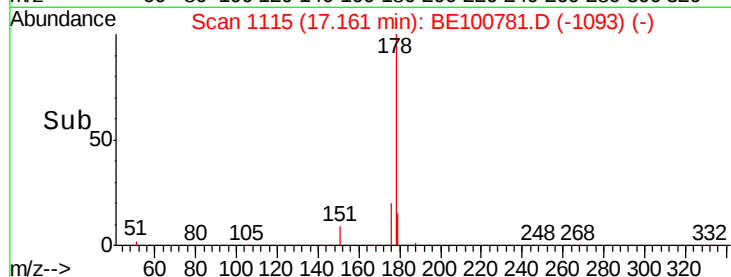
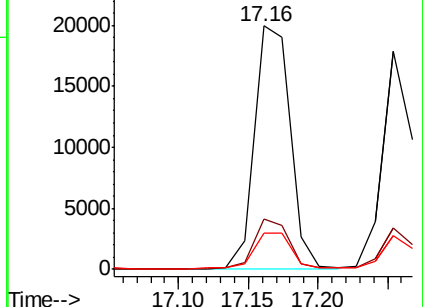
179 15.1 12.3 18.5



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: 0.348 ng

RT: 17.25 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE100781.D

Acq: 5 Dec 2019 10:14

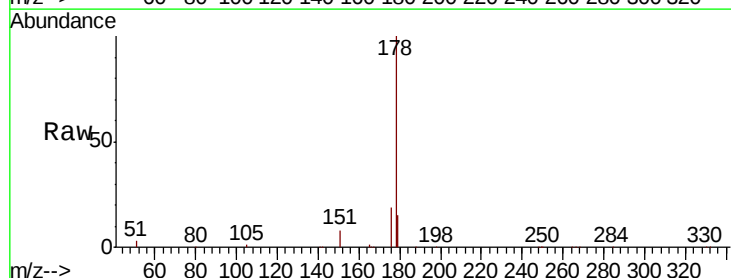
Tgt Ion:178 Resp: 27111

Ion Ratio Lower Upper

178 100

176 18.7 15.4 23.2

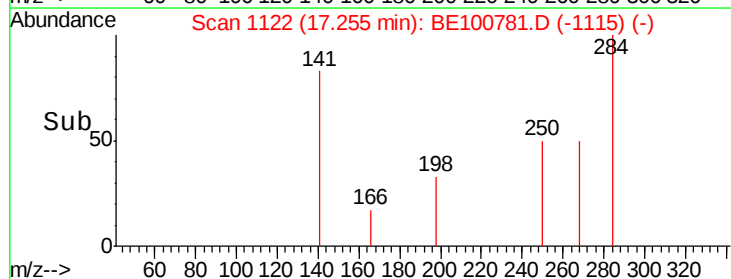
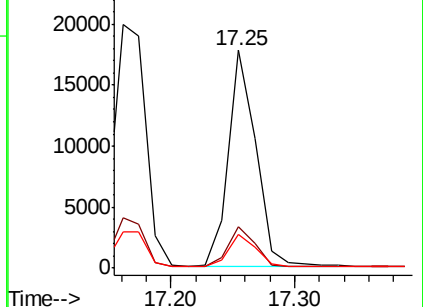
179 15.2 12.7 19.1



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: 0.354 ng

RT: 19.16 min Scan# 1374

Delta R.T. -0.00 min

Lab File: BE100781.D

Acq: 5 Dec 2019 10:14

Instrument :

BNA_E

ClientSampleId :

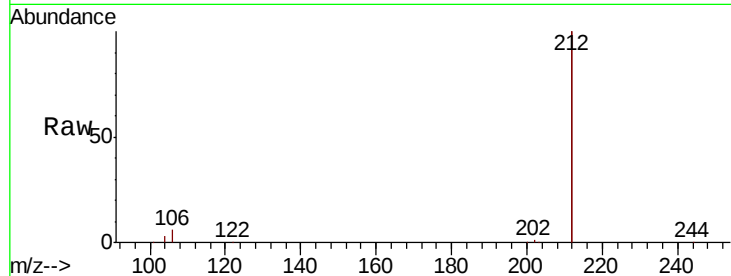
Tot Ion:212 Resp: 128711

Ion Ratio Lower Upper

212 100

106 3.3 2.6 3.8

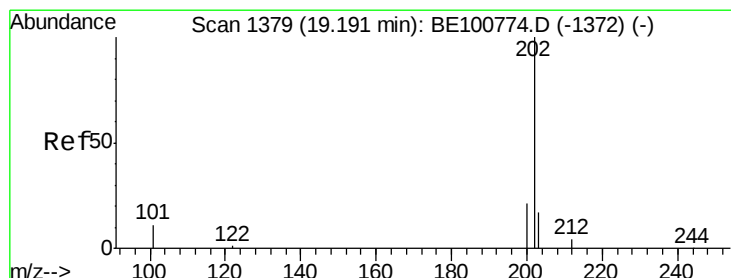
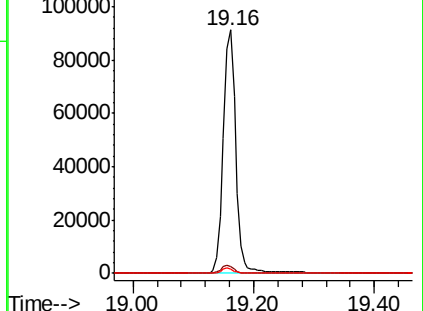
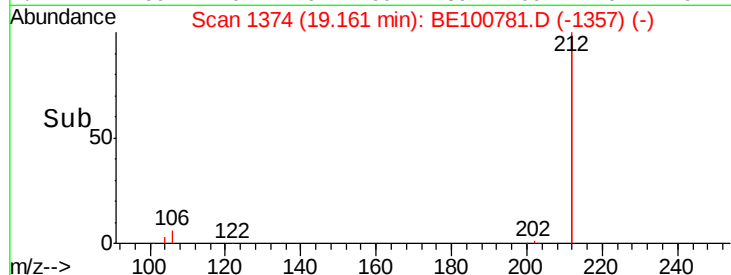
104 1.9 1.4 2.2



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: 0.356 ng

RT: 19.19 min Scan# 1379

Delta R.T. -0.00 min

Lab File: BE100781.D

Acq: 5 Dec 2019 10:14

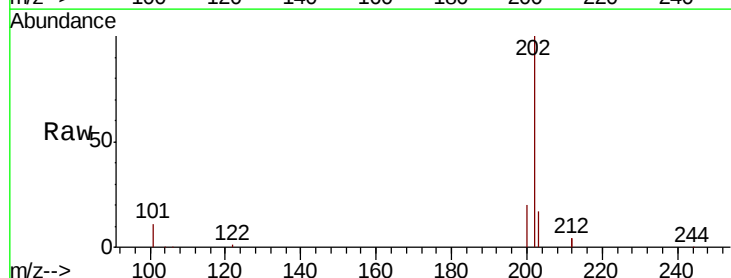
Tgt Ion:202 Resp: 39605

Ion Ratio Lower Upper

202 100

101 11.6 9.1 13.7

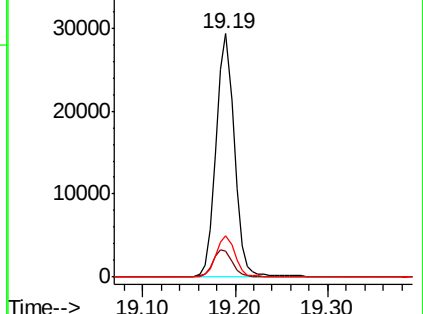
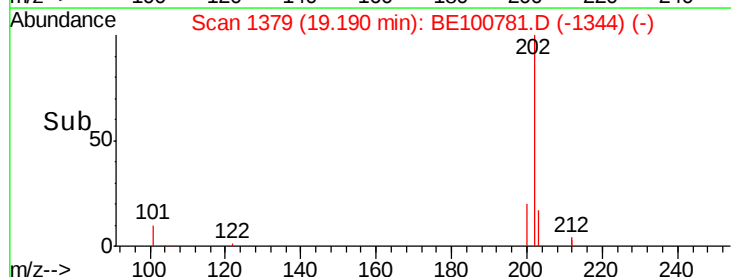
203 17.0 13.8 20.6



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

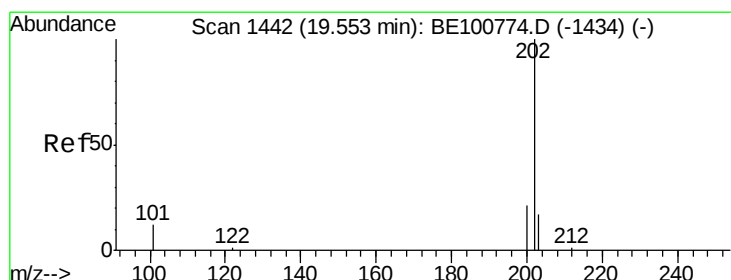
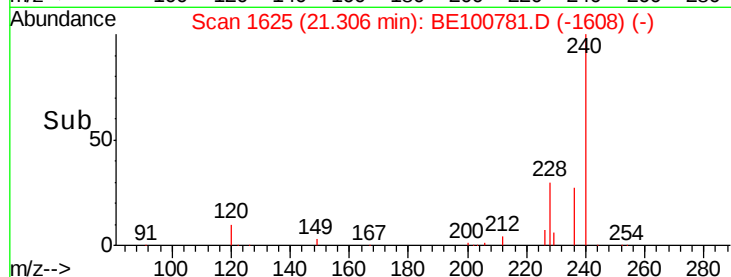
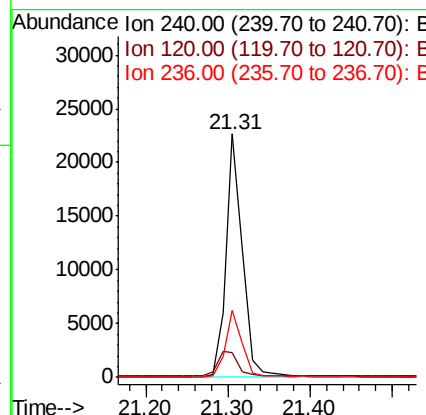
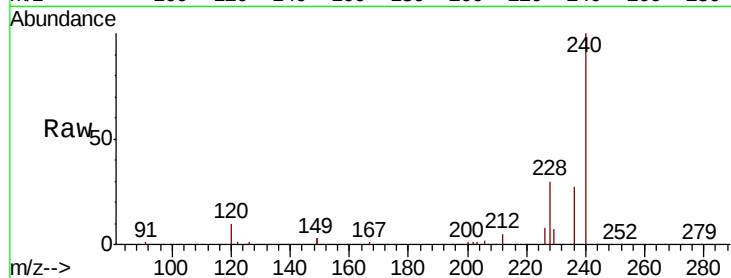




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.31 min Scan# 1625
Delta R.T. 0.00 min
Lab File: BE100781.D
Acq: 5 Dec 2019 10:14

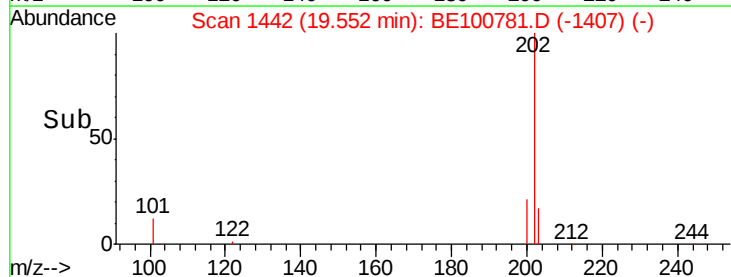
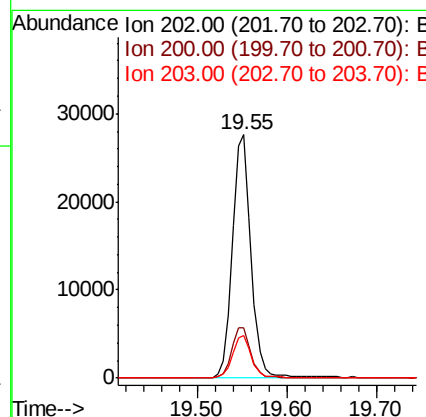
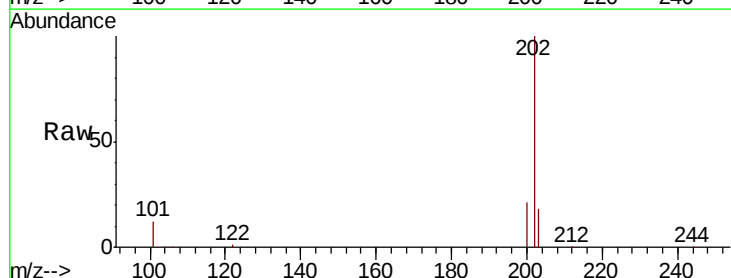
Instrument :
BNA_E
ClientSampleId :

Tot Ion:240 Resp: 31670
Ion Ratio Lower Upper
240 100
120 10.3 10.2 15.2
236 27.3 22.3 33.5



#28
Pyrene
Concen: 0.379 ng
RT: 19.55 min Scan# 1442
Delta R.T. -0.00 min
Lab File: BE100781.D
Acq: 5 Dec 2019 10:14

Tgt Ion:202 Resp: 39013
Ion Ratio Lower Upper
202 100
200 20.9 17.0 25.4
203 17.4 13.9 20.9





#29

Terphenyl-d14

Concen: 0.385 ng

RT: 19.76 min Scan# 1479

Delta R.T. -0.00 min

Lab File: BE100781.D

Acq: 5 Dec 2019 10:14

Instrument :

BNA_E

ClientSampleId :

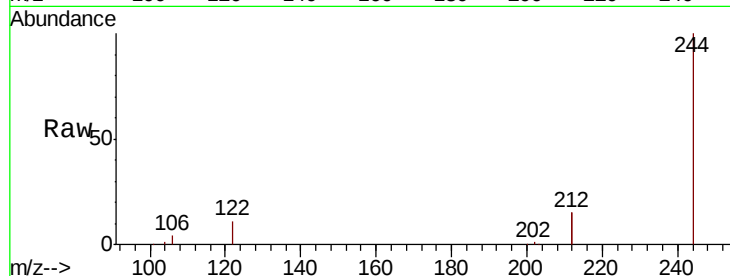
Tot Ion:244 Resp: 29180

Ion Ratio Lower Upper

244 100

212 30.9 26.2 39.4

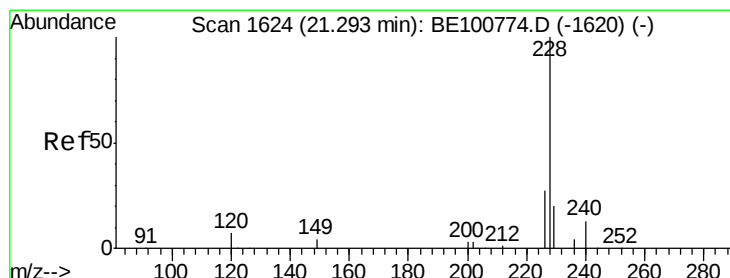
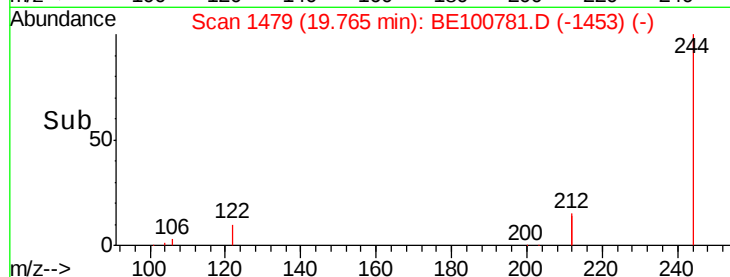
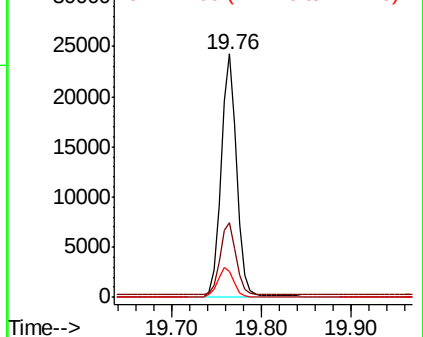
122 10.7 10.2 15.4



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: 0.365 ng

RT: 21.29 min Scan# 1624

Delta R.T. 0.00 min

Lab File: BE100781.D

Acq: 5 Dec 2019 10:14

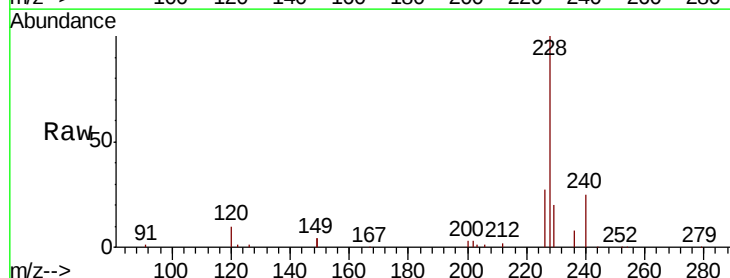
Tgt Ion:228 Resp: 34046

Ion Ratio Lower Upper

228 100

226 26.9 21.5 32.3

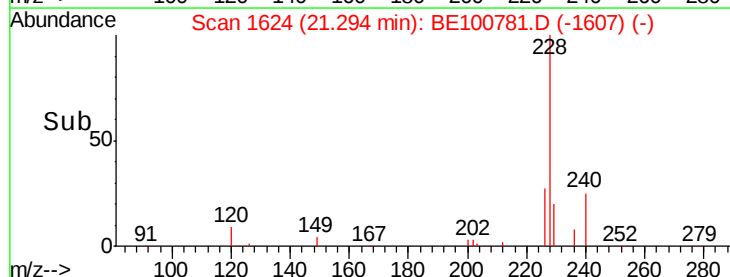
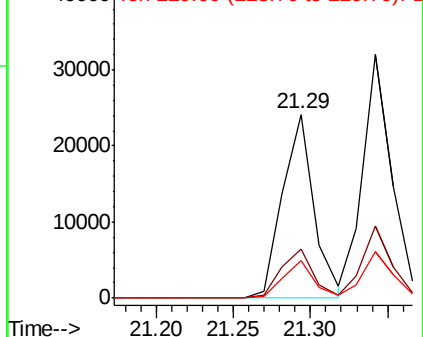
229 20.2 16.0 24.0



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: 0.385 ng

RT: 21.34 min Scan# 1628

Delta R.T. 0.00 min

Lab File: BE100781.D

Acq: 5 Dec 2019 10:14

Instrument :

BNA_E

ClientSampleId :

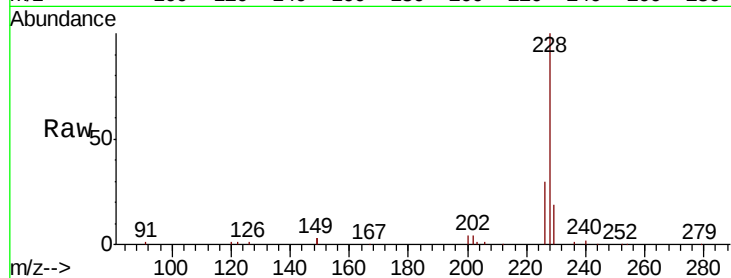
Tot Ion:228 Resp: 42246

Ion Ratio Lower Upper

228 100

226 29.9 25.0 37.4

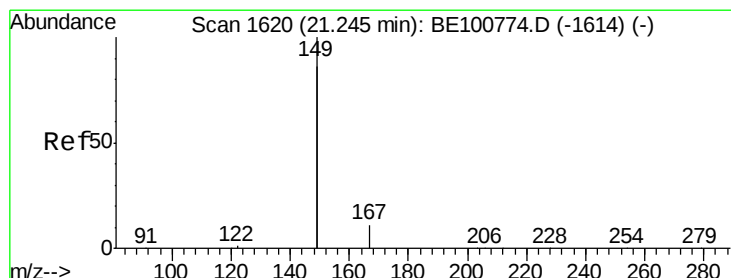
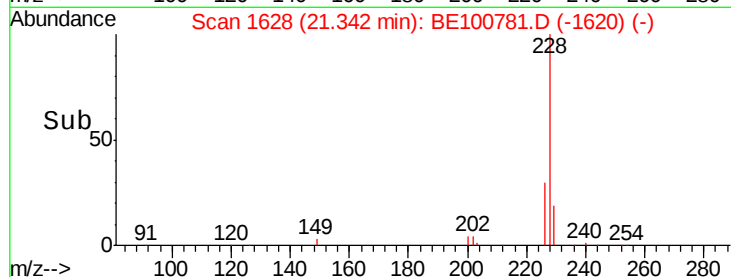
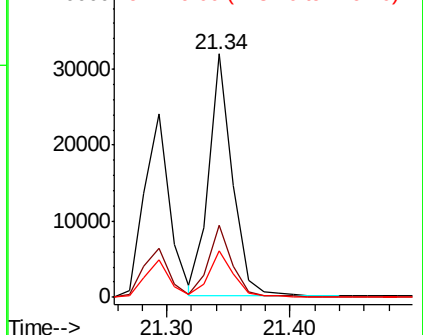
229 18.9 15.4 23.2



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: 0.428 ng

RT: 21.25 min Scan# 1620

Delta R.T. 0.00 min

Lab File: BE100781.D

Acq: 5 Dec 2019 10:14

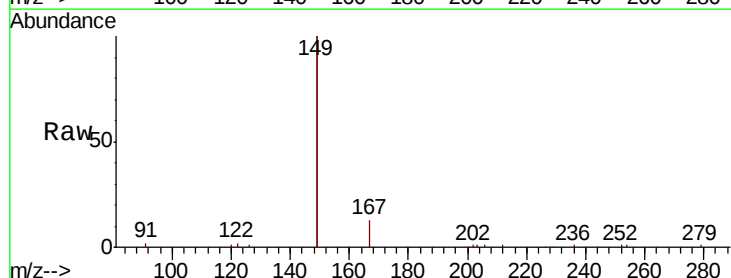
Tgt Ion:149 Resp: 28059

Ion Ratio Lower Upper

149 100

167 6.3 5.0 7.6

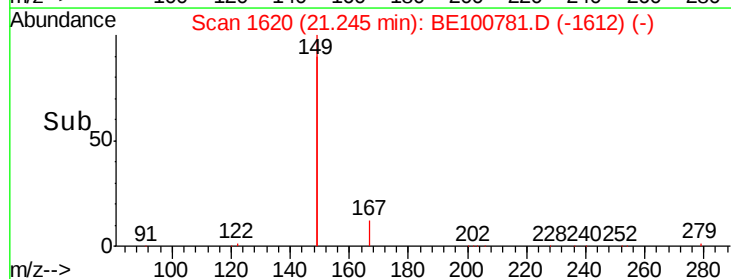
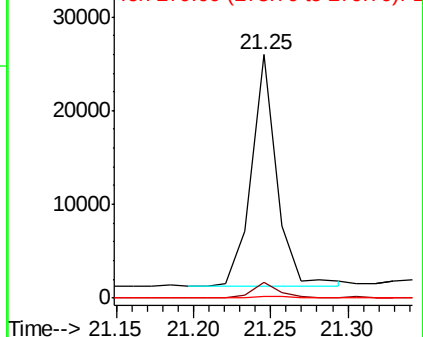
279 0.9 0.7 1.1



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: 0.360 ng

RT: 26.34 min Scan# 2888

Delta R.T. -0.00 min

Lab File: BE100781.D

Acq: 5 Dec 2019 10:14

Instrument :

BNA_E

ClientSampleId :

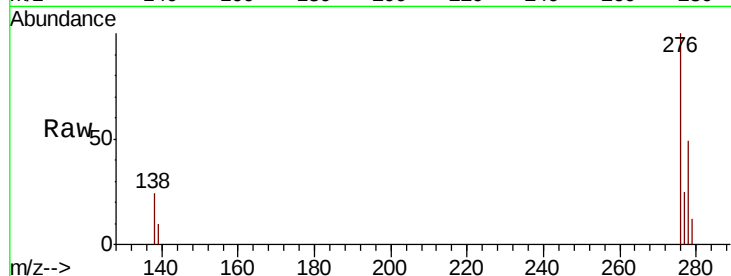
Tot Ion:276 Resp: 34414

Ion Ratio Lower Upper

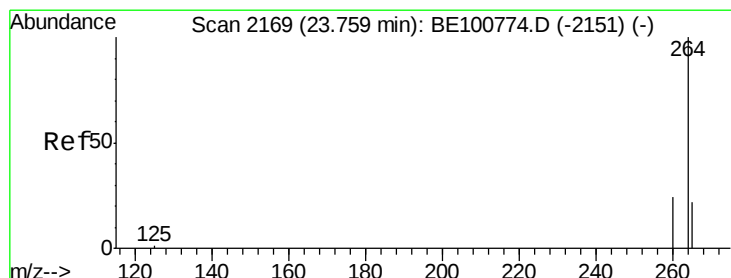
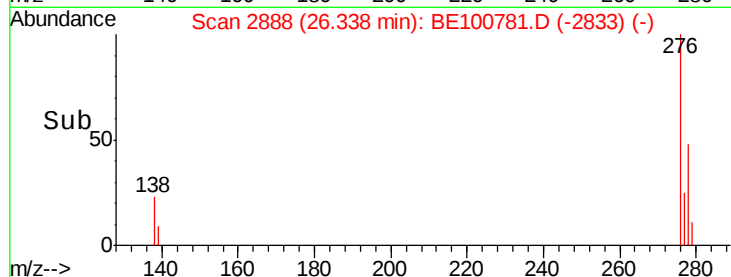
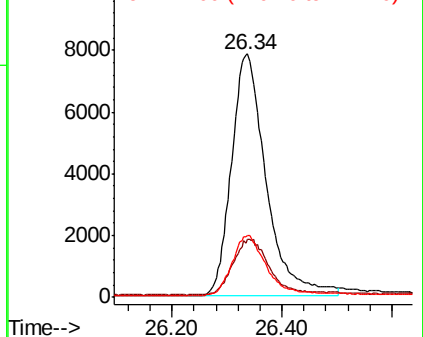
276 100

138 23.8 19.4 29.0

277 24.7 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: 23.75 min Scan# 2168

Delta R.T. -0.00 min

Lab File: BE100781.D

Acq: 5 Dec 2019 10:14

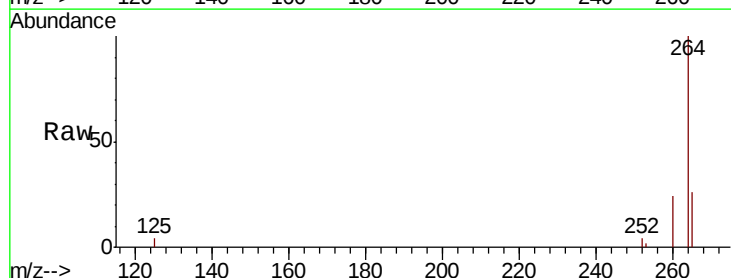
Tgt Ion:264 Resp: 33807

Ion Ratio Lower Upper

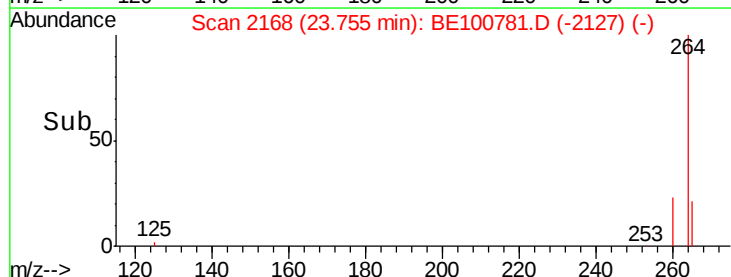
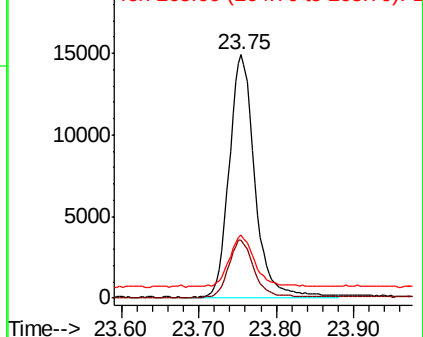
264 100

260 23.7 19.4 29.2

265 26.1 21.8 32.8



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.371 ng

RT: 23.01 min Scan# 1958

Delta R.T. -0.00 min

Lab File: BE100781.D

Acq: 5 Dec 2019 10:14

Instrument :

BNA_E

ClientSampleId :

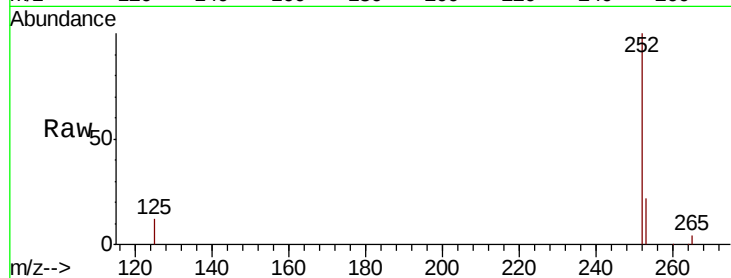
Tot Ion:252 Resp: 34347

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.8

125 11.6 9.0 13.4

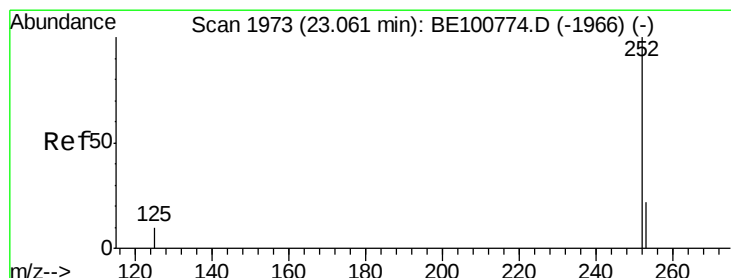
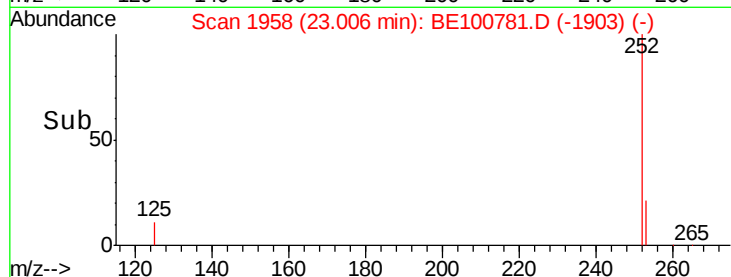
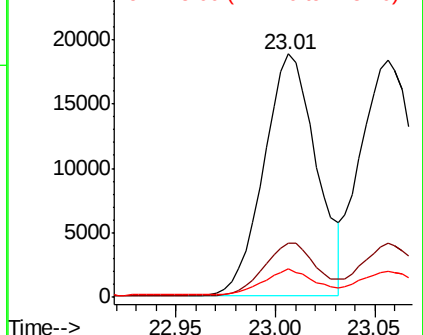


Abundance

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: 0.371 ng

RT: 23.06 min Scan# 1972

Delta R.T. -0.00 min

Lab File: BE100781.D

Acq: 5 Dec 2019 10:14

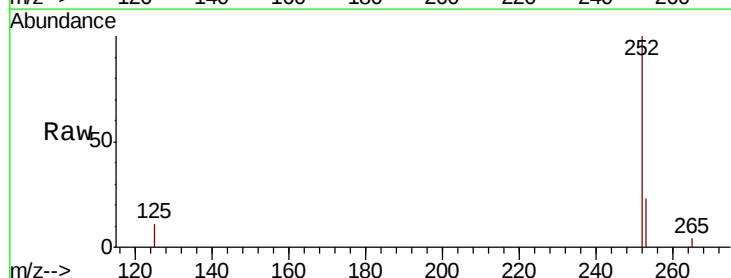
Tgt Ion:252 Resp: 38456

Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.8

125 11.2 8.7 13.1

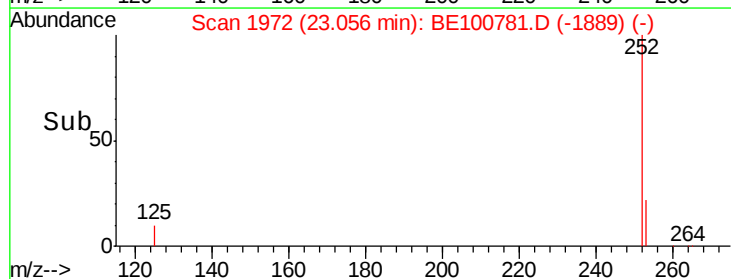
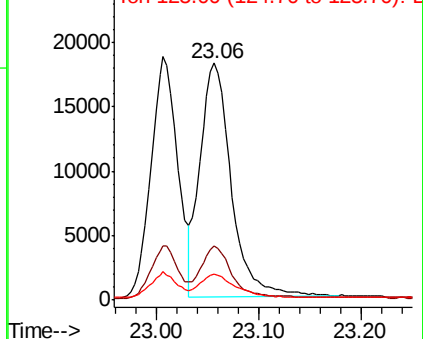


Abundance

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: 0.359 ng

RT: 23.64 min Scan# 2137

Delta R.T. -0.00 min

Lab File: BE100781.D

Acq: 5 Dec 2019 10:14

Instrument :

BNA_E

ClientSampleId :

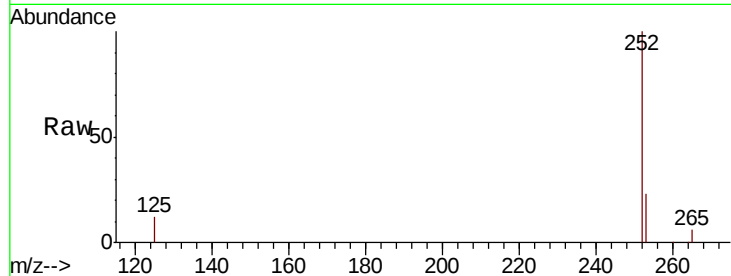
Tot Ion:252 Resp: 28738

Ion Ratio Lower Upper

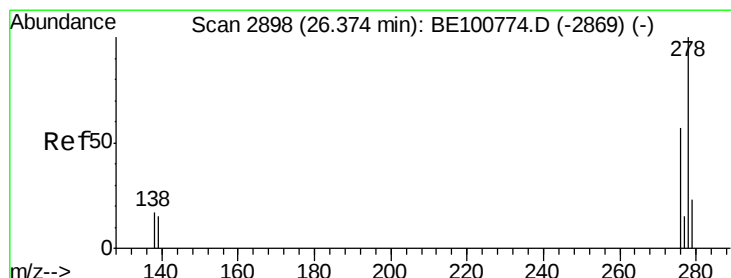
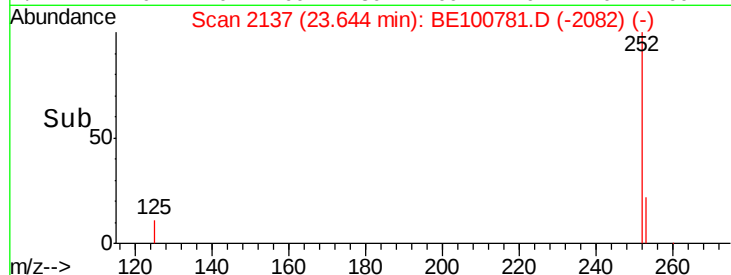
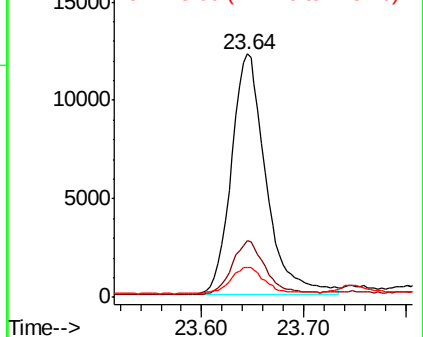
252 100

253 23.1 18.2 27.4

125 12.3 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: 0.349 ng

RT: 26.36 min Scan# 2894

Delta R.T. -0.02 min

Lab File: BE100781.D

Acq: 5 Dec 2019 10:14

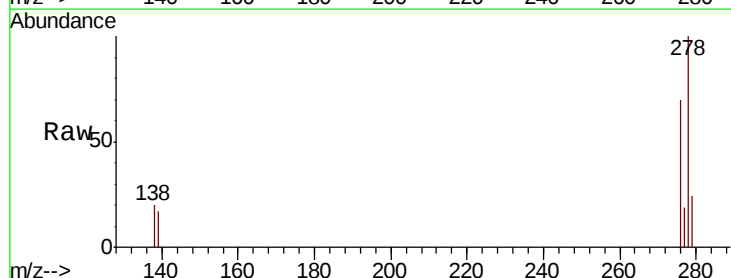
Tgt Ion:278 Resp: 27801

Ion Ratio Lower Upper

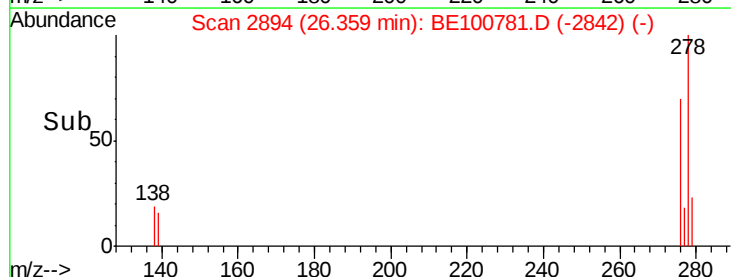
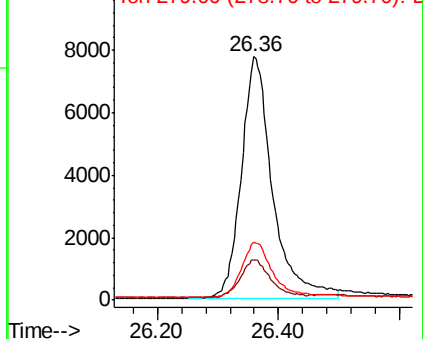
278 100

139 16.6 13.0 19.4

279 23.7 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: 0.377 ng

RT: 27.12 min Scan# 3106

Delta R.T. -0.01 min

Lab File: BE100781.D

Acq: 5 Dec 2019 10:14

Instrument :

BNA_E

ClientSampleId :

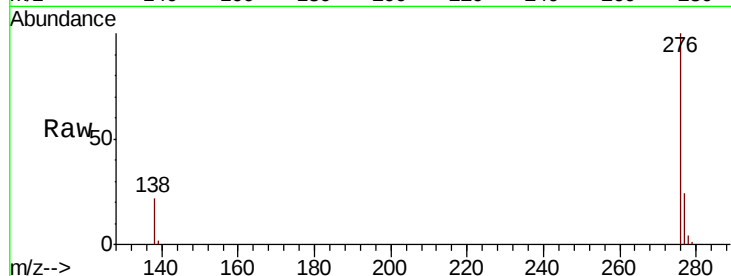
Tot Ion: 276 Resp: 32133

Ion Ratio Lower Upper

276 100

277 23.8 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

