

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE120519\
 Data File : BE100785.D
 Acq On : 5 Dec 2019 12:41
 Operator : JU
 Sample : PB125153BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Dec 05 14:37:18 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	6410	0.40	ng	0.00
7) Naphthalene-d8	10.54	136	26514	0.40	ng	0.00
13) Acenaphthene-d10	14.40	164	12057	0.40	ng	0.00
19) Phenanthrene-d10	17.12	188	24732	0.40	ng	-0.01
27) Chrysene-d12	21.31	240	22280	0.40	ng	0.00
34) Perylene-d12	23.75	264	26643	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.37	112	4158	0.27	ng	0.00
5) Phenol-d6	6.93	99	6693	0.29	ng	0.00
8) Nitrobenzene-d5	8.90	82	3663	0.29	ng	0.00
11) 2-Methylnaphthalene-d10	12.14	152	10546	0.27	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	313	0.23	ng	0.00
15) 2-Fluorobiphenyl	13.02	172	14963	0.31	ng	-0.01
25) Fluoranthene-d10	19.16	212	69148	0.24	ng	0.00
29) Terphenyl-d14	19.76	244	14859	0.28	ng	0.00

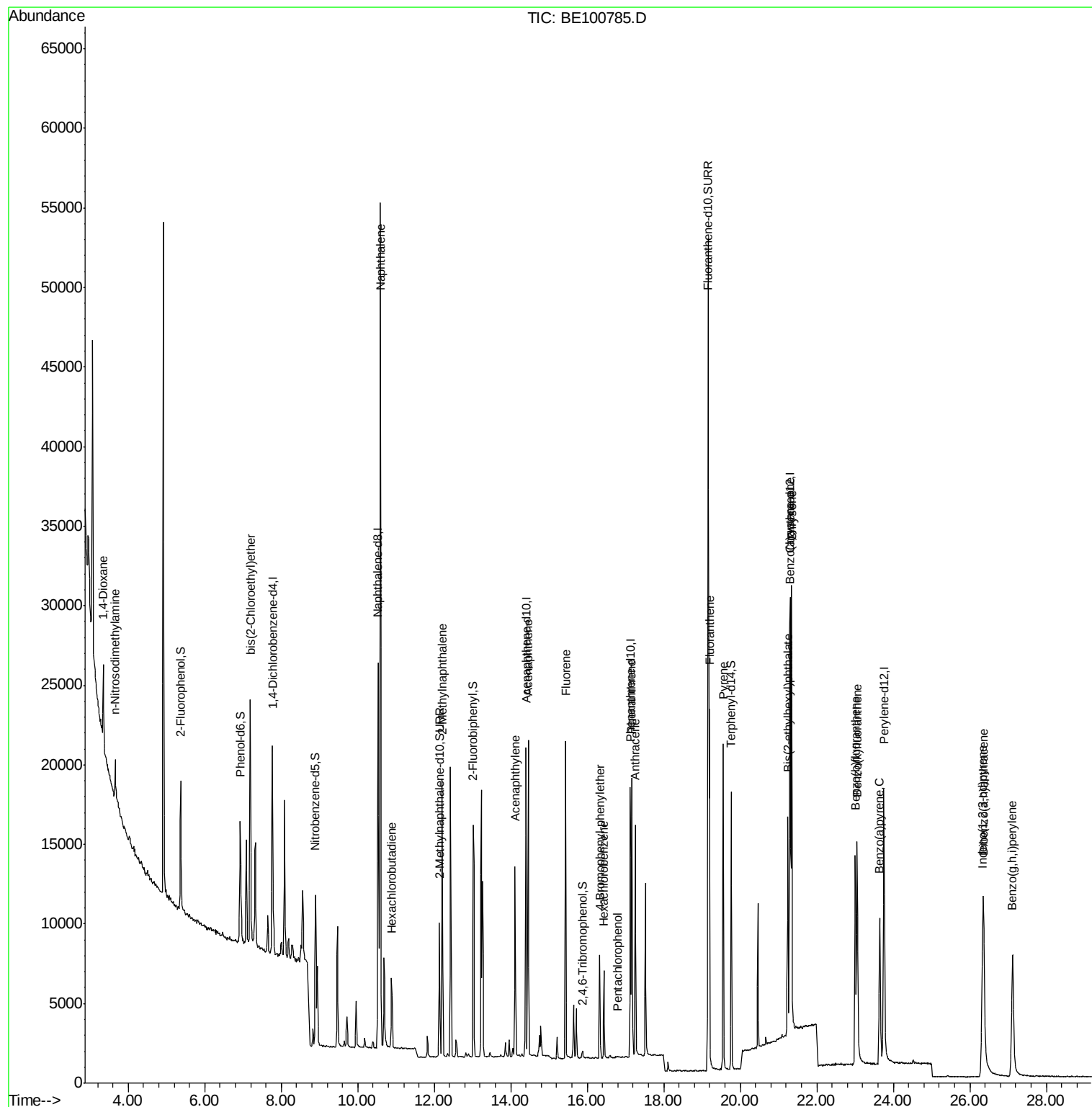
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.35	88	3009	0.257	ng	# 74
3) n-Nitrosodimethylamine	3.66	42	2575	0.271	ng	# 83
6) bis(2-Chloroethyl)ether	7.19	93	6355	0.286	ng	97
9) Naphthalene	10.59	128	81872	0.291	ng	100
10) Hexachlorobutadiene	10.89	225	3047	0.277	ng	98
12) 2-Methylnaphthalene	12.21	142	11584	0.263	ng	99
16) Acenaphthylene	14.11	152	13029	0.261	ng	99
17) Acenaphthene	14.46	154	9494	0.276	ng	99
18) Fluorene	15.43	166	11217	0.253	ng	99
20) 4-Bromophenyl-phenylether	16.33	248	3354	0.276	ng	96
21) Hexachlorobenzene	16.44	284	3764	0.286	ng	99
22) Pentachlorophenol	16.79	266	67	0.073	ng	96
23) Phenanthrene	17.16	178	20674	0.276	ng	100
24) Anthracene	17.25	178	15480	0.247	ng	97
26) Fluoranthene	19.19	202	20249	0.226	ng	100
28) Pyrene	19.55	202	20160	0.278	ng	100
30) Benzo(a)anthracene	21.29	228	16495	0.251	ng	100
31) Chrysene	21.34	228	22612	0.293	ng	99
32) Bis(2-ethylhexyl)phthalate	21.25	149	14073	0.296	ng	99
33) Indeno(1,2,3-cd)pyrene	26.33	276	20454	0.304	ng	100
35) Benzo(b)fluoranthene	23.01	252	19163	0.263	ng	98
36) Benzo(k)fluoranthene	23.06	252	22275	0.272	ng	98
37) Benzo(a)pyrene	23.64	252	16522	0.262	ng	99
38) Dibenzo(a,h)anthracene	26.36	278	17287	0.275	ng	98
39) Benzo(g,h,i)perylene	27.11	276	20678	0.308	ng	99

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

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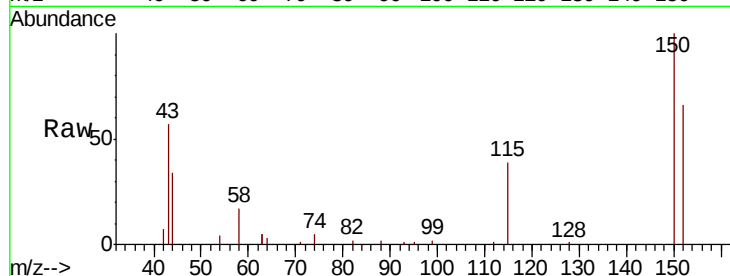


#1

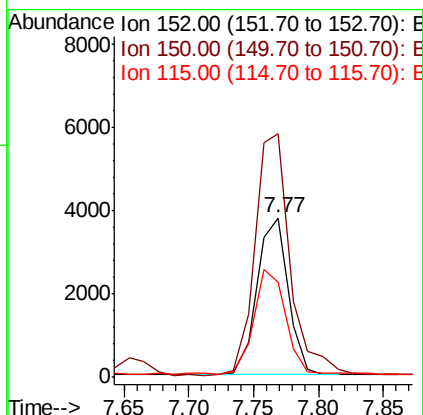
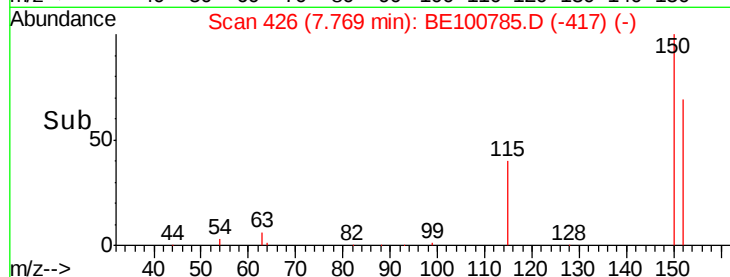
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.77 min Scan# 426
Delta R.T. -0.00 min
Lab File: BE100785.D
Acq: 5 Dec 2019 12:41

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 6410
Ion Ratio Lower Upper
152 100
150 152.5 120.6 181.0
115 59.3 47.4 71.2



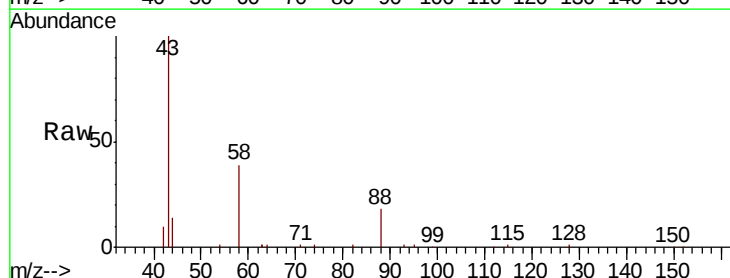
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



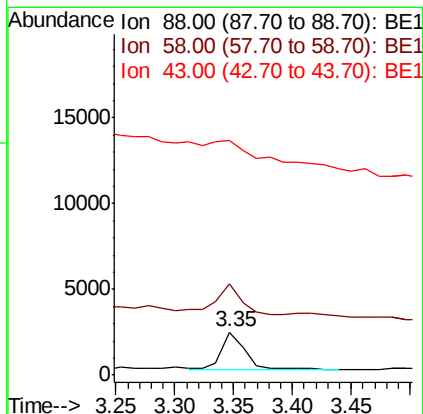
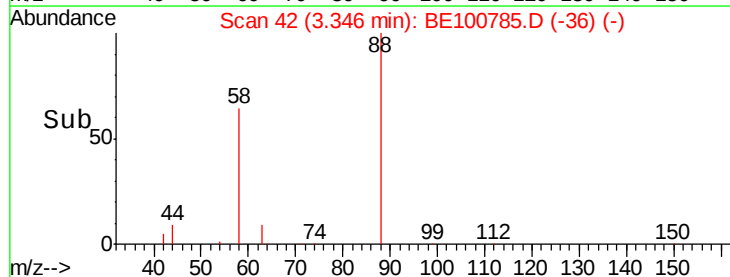
#2

1,4-Dioxane
Concen: 0.257 ng
RT: 3.35 min Scan# 42
Delta R.T. -0.00 min
Lab File: BE100785.D
Acq: 5 Dec 2019 12:41

Tgt Ion: 88 Resp: 3009
Ion Ratio Lower Upper
88 100
58 76.7 52.5 78.7
43 0.0 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: 0.271 ng

RT: 3.66 min Scan# 69

Delta R.T. -0.00 min

Lab File: BE100785.D

Acq: 5 Dec 2019 12:41

Instrument :

BNA_E

ClientSampled :

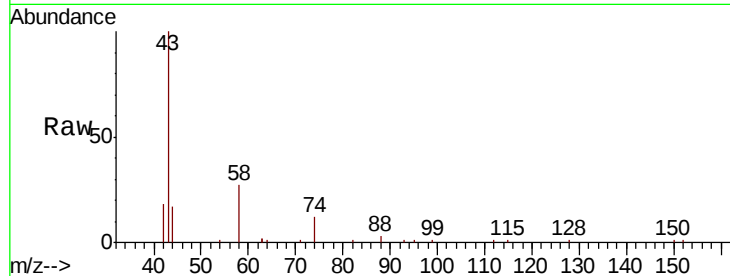
Tot Ion: 42 Resp: 2575

Ion Ratio Lower Upper

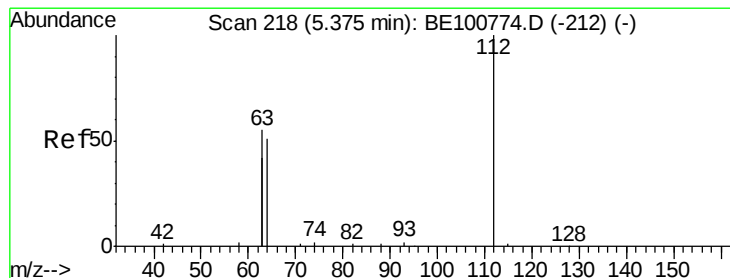
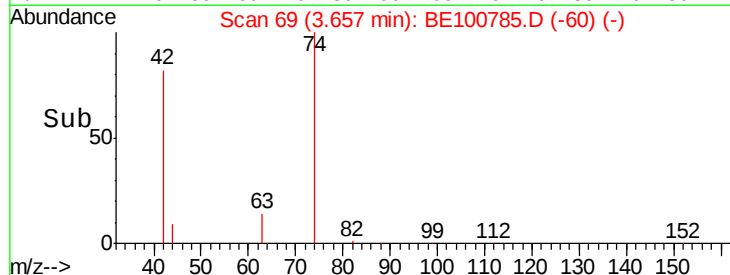
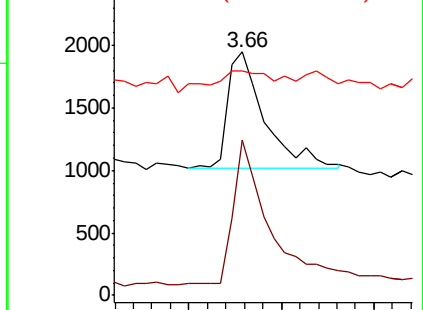
42 100

74 121.8 86.3 129.5

44 33.8 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: 0.273 ng

RT: 5.37 min Scan# 218

Delta R.T. -0.00 min

Lab File: BE100785.D

Acq: 5 Dec 2019 12:41

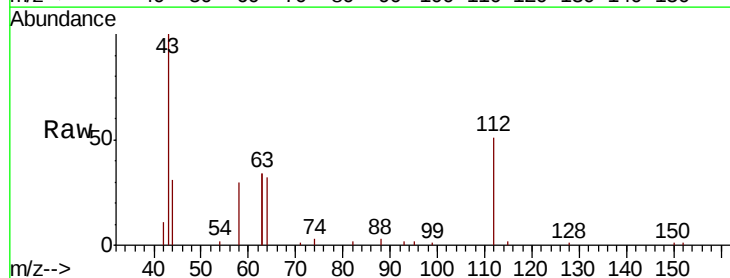
Tgt Ion: 112 Resp: 4158

Ion Ratio Lower Upper

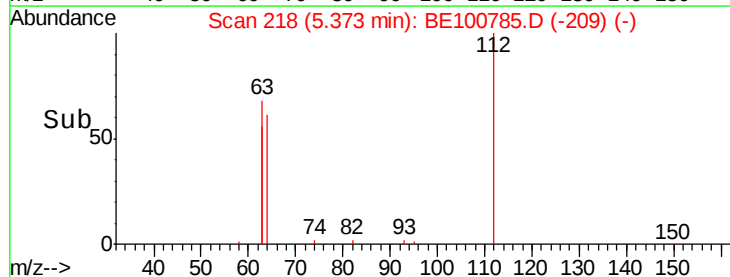
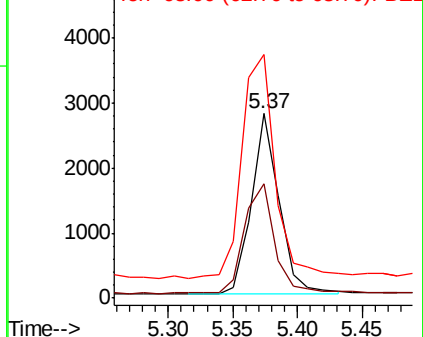
112 100

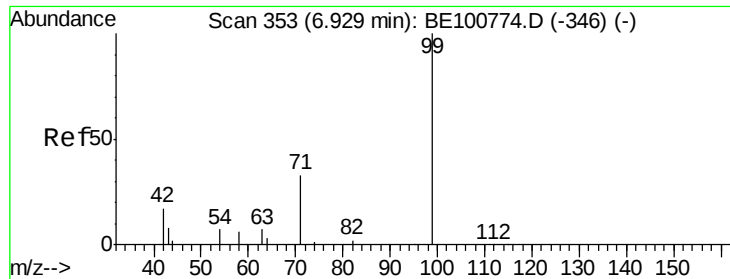
64 67.0 54.1 81.1

63 147.8 113.2 169.8



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: 0.291 ng

RT: 6.93 min Scan# 353

Delta R.T. -0.00 min

Lab File: BE100785.D

Acq: 5 Dec 2019 12:41

Instrument :

BNA_E

ClientSampleId :

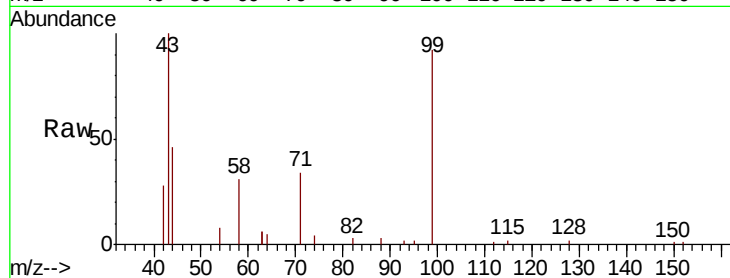
Tot Ion: 99 Resp: 6693

Ion Ratio Lower Upper

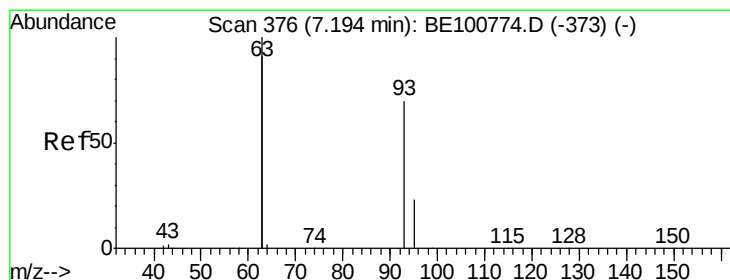
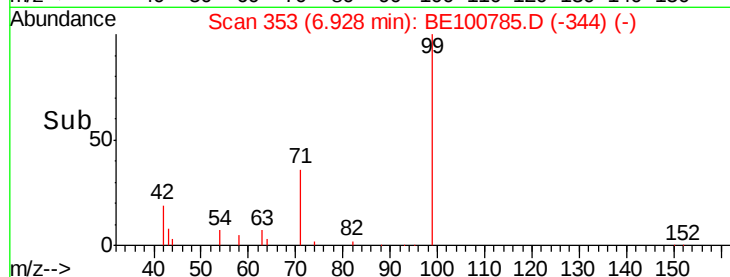
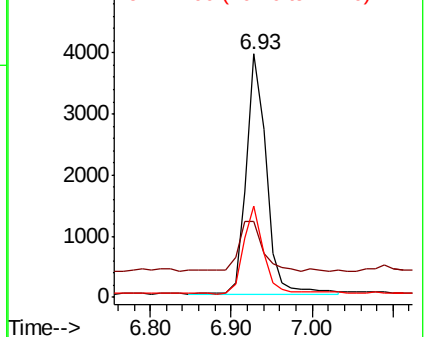
99 100

42 24.5 19.1 28.7

71 37.3 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: 0.286 ng

RT: 7.19 min Scan# 376

Delta R.T. -0.00 min

Lab File: BE100785.D

Acq: 5 Dec 2019 12:41

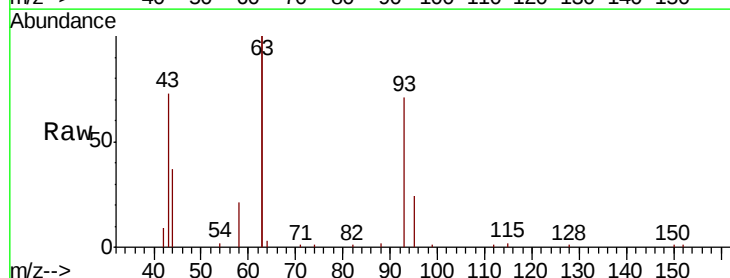
Tgt Ion: 93 Resp: 6355

Ion Ratio Lower Upper

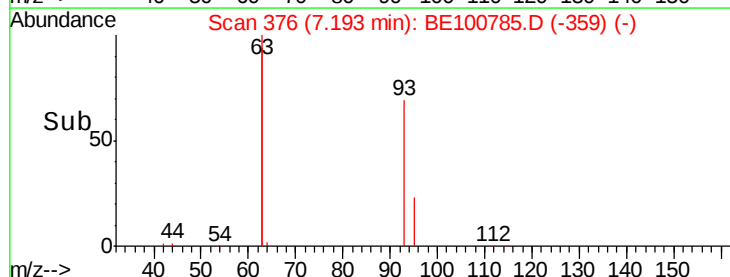
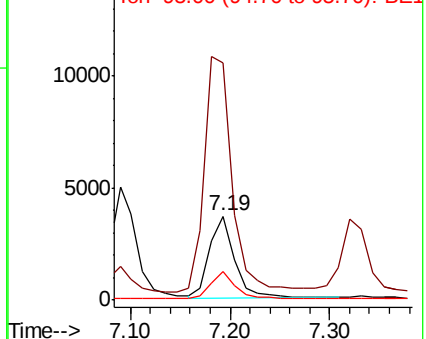
93 100

63 318.3 259.4 389.0

95 32.2 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: BE100785.D

Acq: 5 Dec 2019 12:41

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 26514

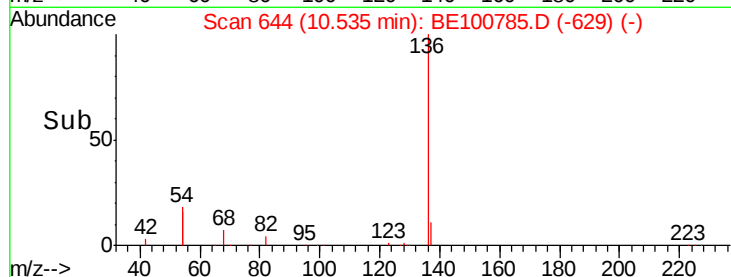
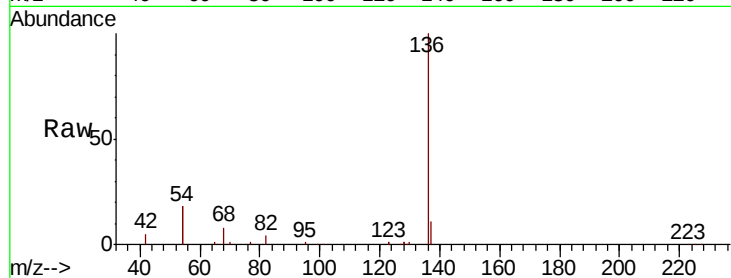
Ion Ratio Lower Upper

136 100

137 11.0 9.4 14.0

54 35.7 31.1 46.7

68 7.5 6.6 10.0

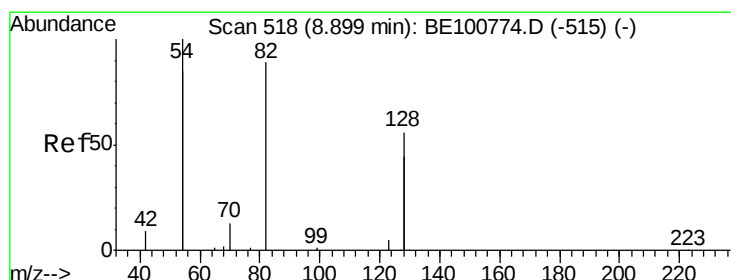
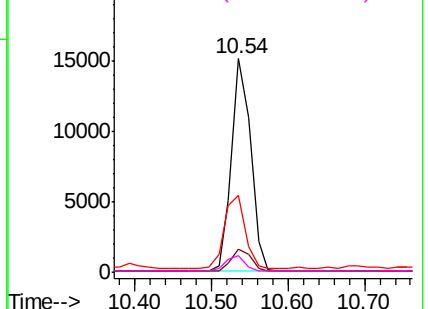


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.290 ng

RT: 8.90 min Scan# 518

Delta R.T. -0.00 min

Lab File: BE100785.D

Acq: 5 Dec 2019 12:41

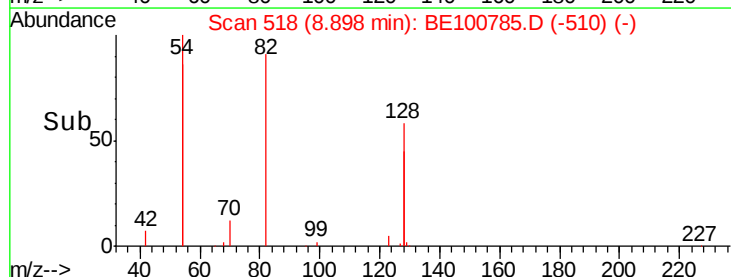
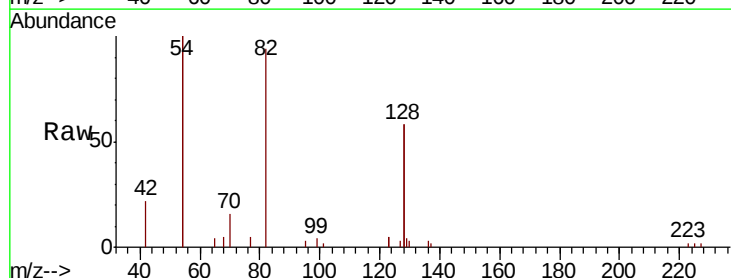
Tgt Ion: 82 Resp: 3663

Ion Ratio Lower Upper

82 100

128 122.5 97.0 145.4

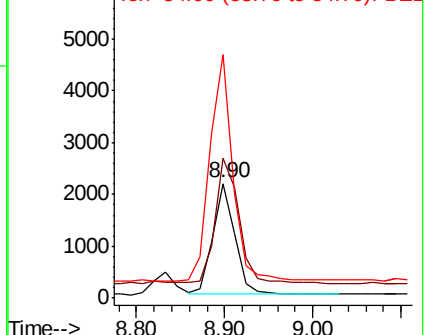
54 212.8 171.8 257.6

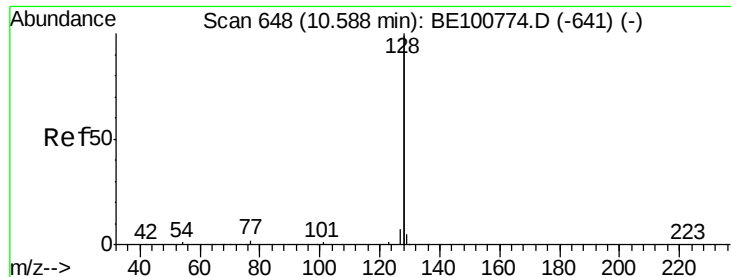


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.291 ng

RT: 10.59 min Scan# 648

Delta R.T. -0.00 min

Lab File: BE100785.D

Acq: 5 Dec 2019 12:41

Instrument :

BNA_E

ClientSampleId :

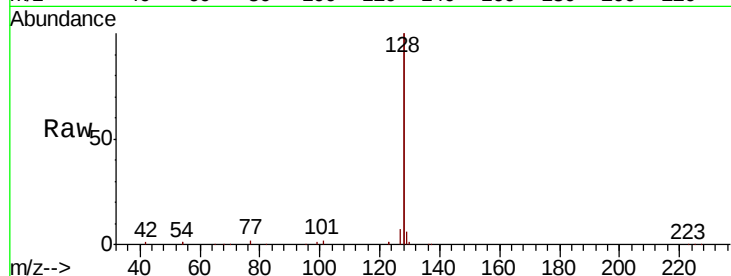
Tot Ion:128 Resp: 81872

Ion Ratio Lower Upper

128 100

129 2.9 2.2 3.4

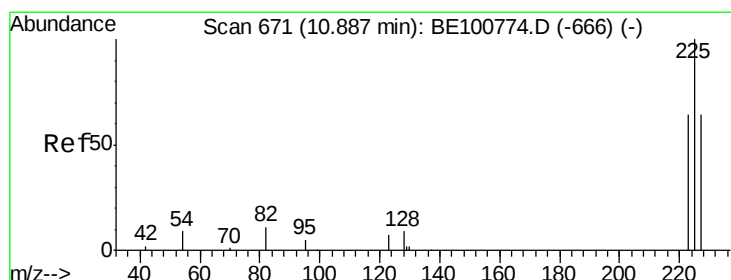
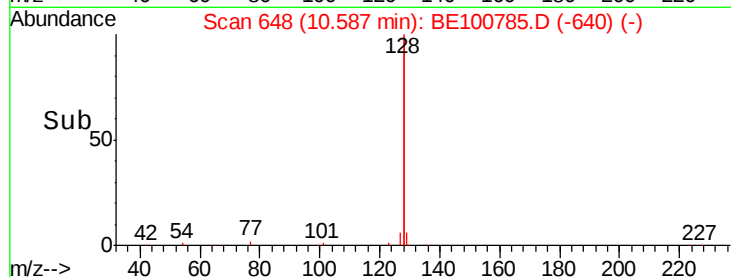
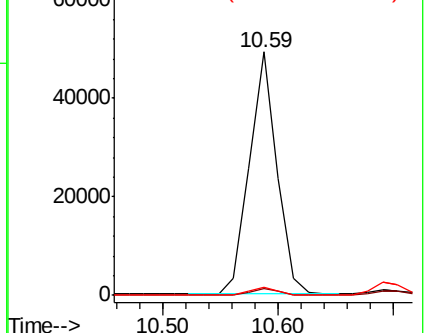
127 3.3 2.7 4.1



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: 0.277 ng

RT: 10.89 min Scan# 671

Delta R.T. -0.00 min

Lab File: BE100785.D

Acq: 5 Dec 2019 12:41

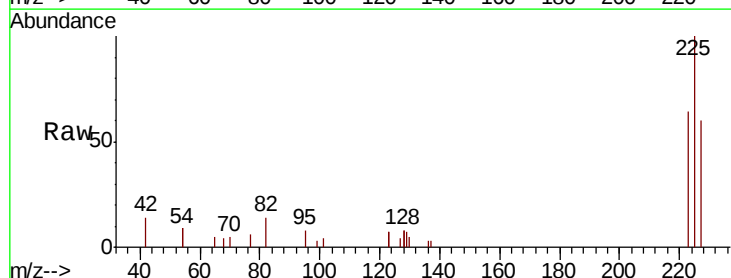
Tgt Ion:225 Resp: 3047

Ion Ratio Lower Upper

225 100

223 63.9 49.9 74.9

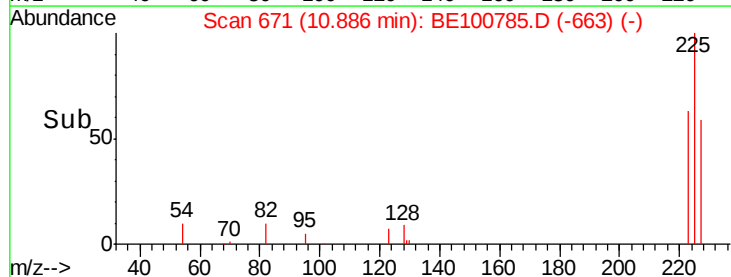
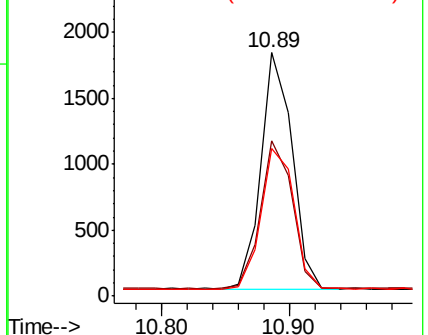
227 62.9 52.2 78.4



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

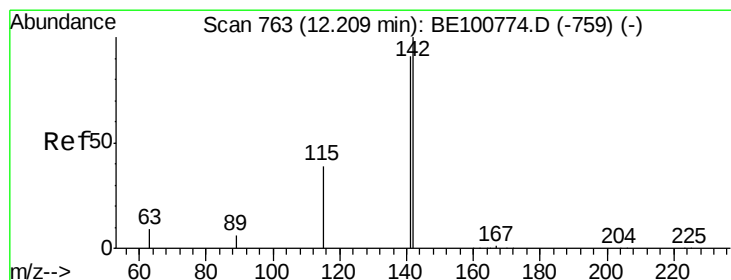
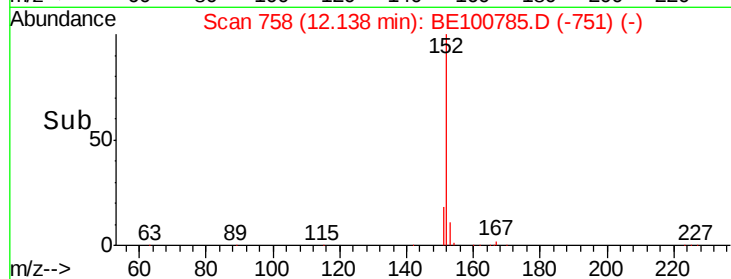
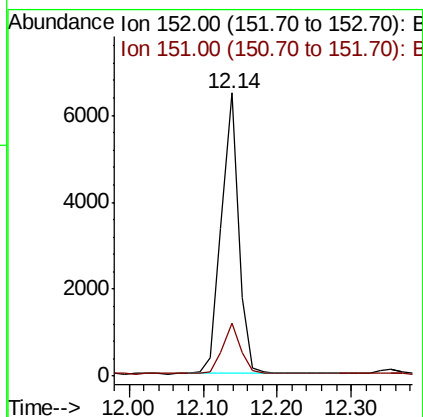
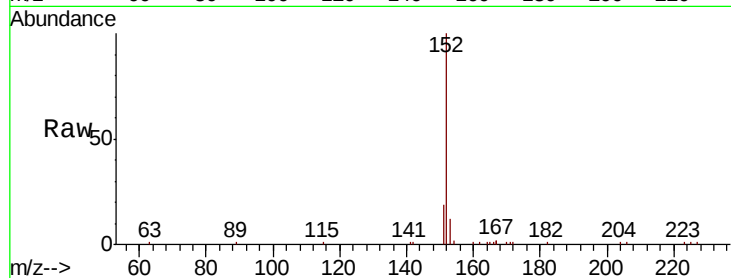




#11
2-Methylnaphthalene-d10
Concen: 0.274 ng
RT: 12.14 min Scan# 758
Delta R.T. 0.00 min
Lab File: BE100785.D
Acq: 5 Dec 2019 12:41

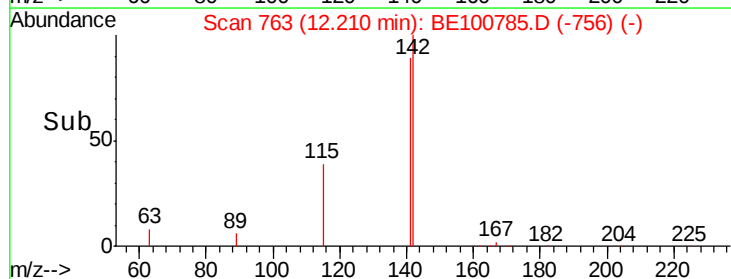
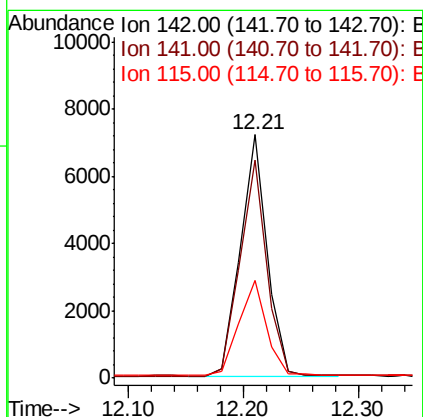
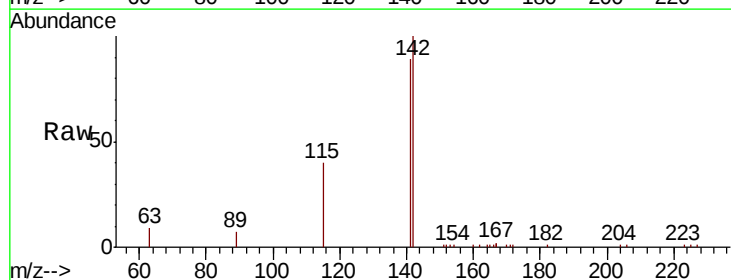
Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 10546
Ion Ratio Lower Upper
152 100
151 19.0 15.8 23.8



#12
2-Methylnaphthalene
Concen: 0.263 ng
RT: 12.21 min Scan# 763
Delta R.T. 0.00 min
Lab File: BE100785.D
Acq: 5 Dec 2019 12:41

Tgt Ion:142 Resp: 11584
Ion Ratio Lower Upper
142 100
141 89.4 72.6 108.8
115 40.1 31.8 47.6

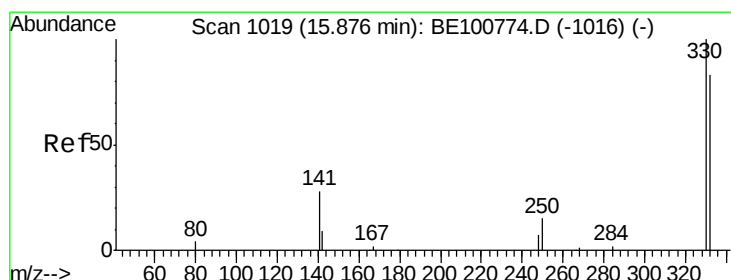
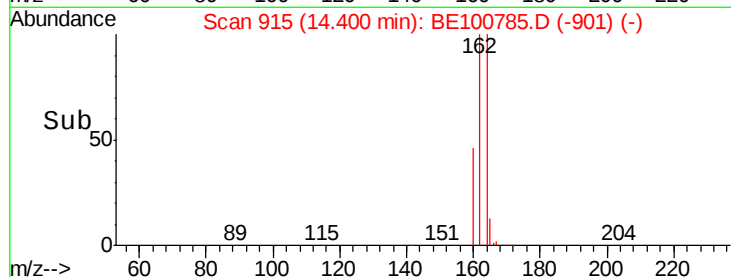
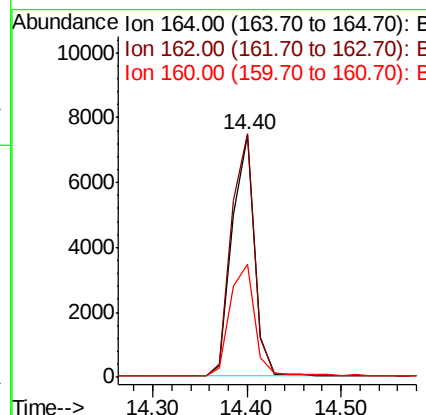
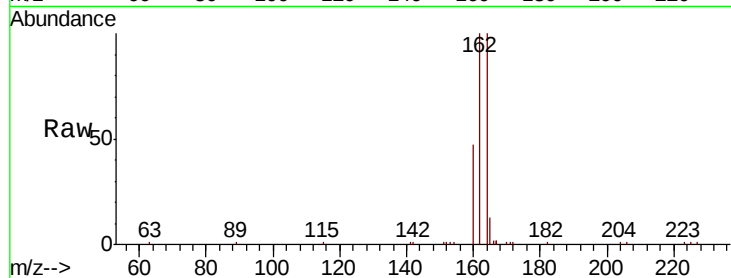




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.40 min Scan# 915
Delta R.T. 0.00 min
Lab File: BE100785.D
Acq: 5 Dec 2019 12:41

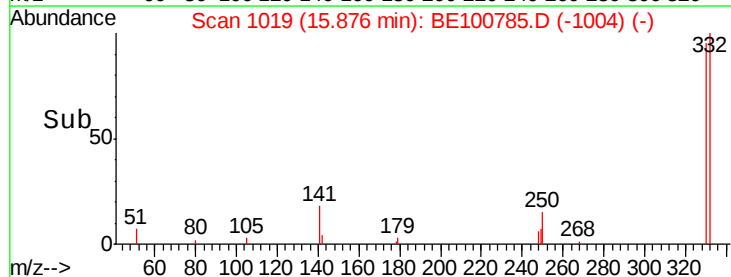
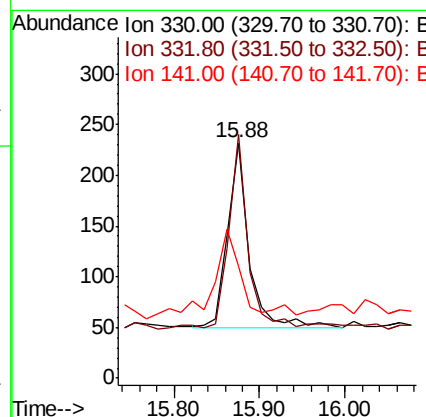
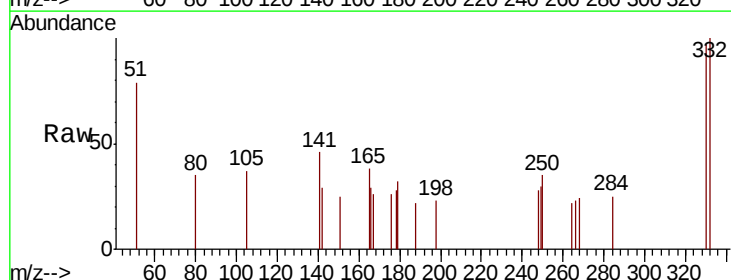
Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 12057
Ion Ratio Lower Upper
164 100
162 100.4 81.4 122.0
160 46.8 39.4 59.0



#14
2,4,6-Tribromophenol
Concen: 0.233 ng
RT: 15.88 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BE100785.D
Acq: 5 Dec 2019 12:41

Tgt Ion:330 Resp: 313
Ion Ratio Lower Upper
330 100
332 101.0 69.4 104.2
141 61.3 51.1 76.7

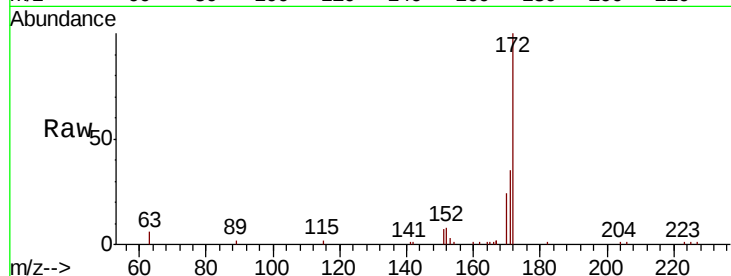




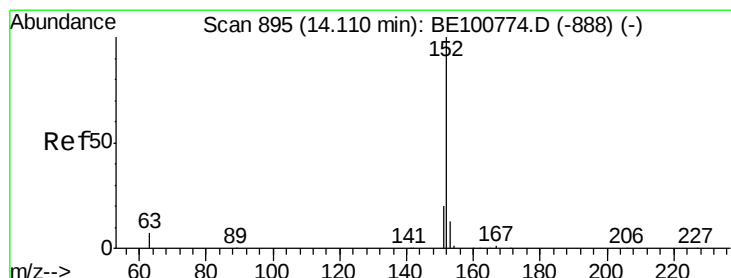
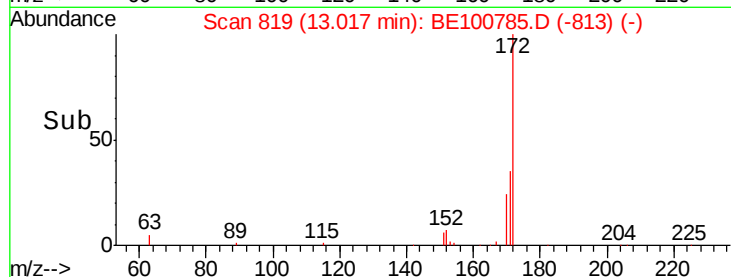
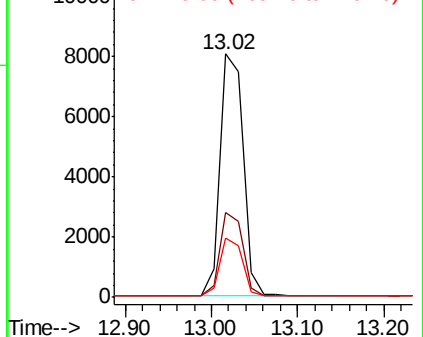
#15
2-Fluorobiphenyl
Concen: 0.313 ng
RT: 13.02 min Scan# 819
Delta R.T. -0.01 min
Lab File: BE100785.D
Acq: 5 Dec 2019 12:41

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 14963
Ion Ratio Lower Upper
172 100
171 35.0 27.2 40.8
170 24.4 18.0 27.0

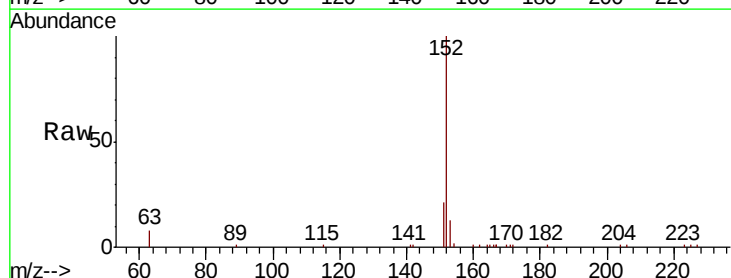


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

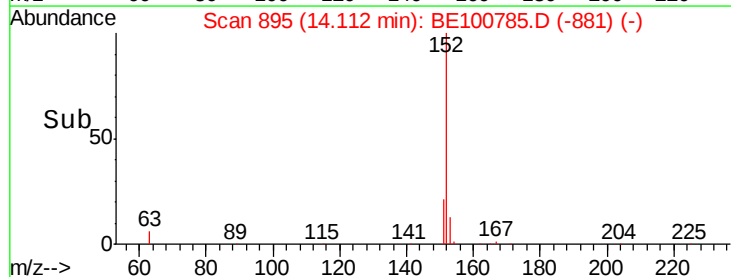
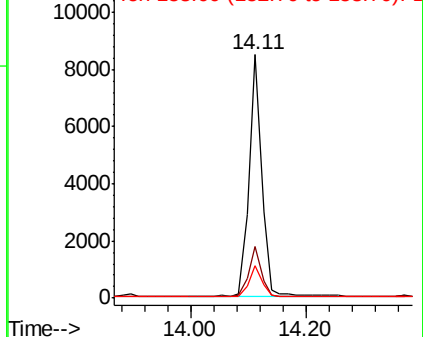


#16
Acenaphthylene
Concen: 0.261 ng
RT: 14.11 min Scan# 895
Delta R.T. 0.00 min
Lab File: BE100785.D
Acq: 5 Dec 2019 12:41

Tgt Ion:152 Resp: 13029
Ion Ratio Lower Upper
152 100
151 20.4 15.8 23.6
153 12.7 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: 0.276 ng

RT: 14.46 min Scan# 919

Delta R.T. 0.00 min

Lab File: BE100785.D

Acq: 5 Dec 2019 12:41

Instrument :

BNA_E

ClientSampleId :

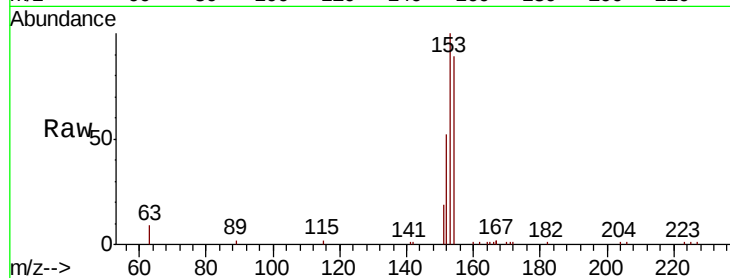
Tot Ion:154 Resp: 9494

Ion Ratio Lower Upper

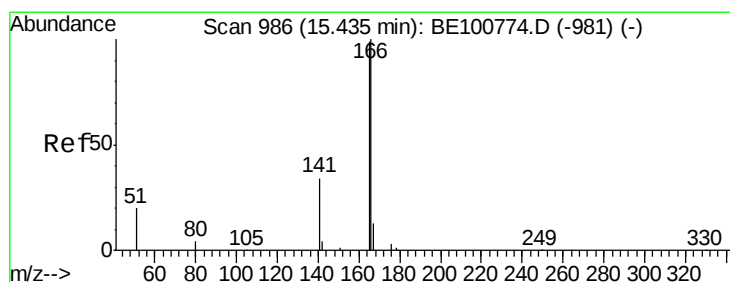
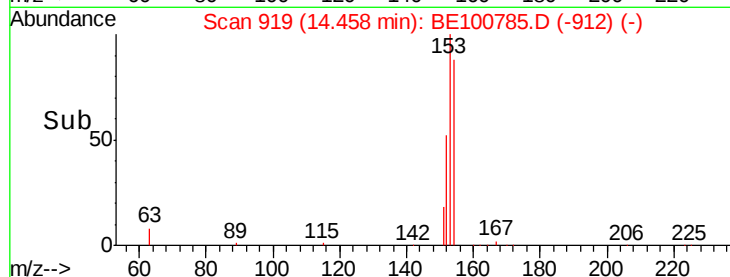
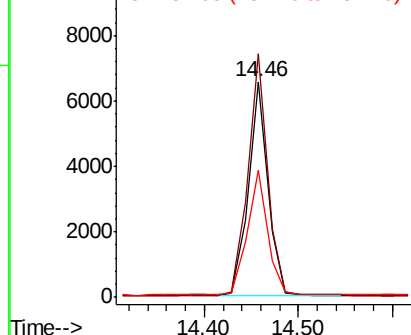
154 100

153 113.6 92.2 138.2

152 61.6 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: 0.253 ng

RT: 15.43 min Scan# 986

Delta R.T. -0.00 min

Lab File: BE100785.D

Acq: 5 Dec 2019 12:41

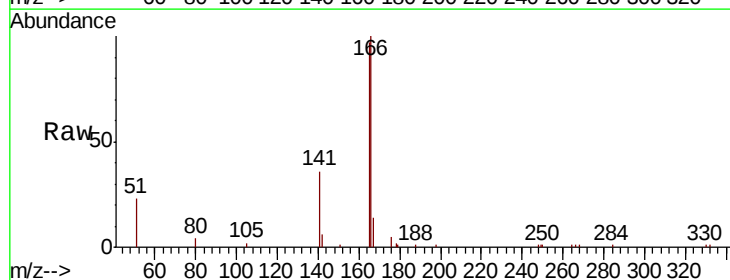
Tgt Ion:166 Resp: 11217

Ion Ratio Lower Upper

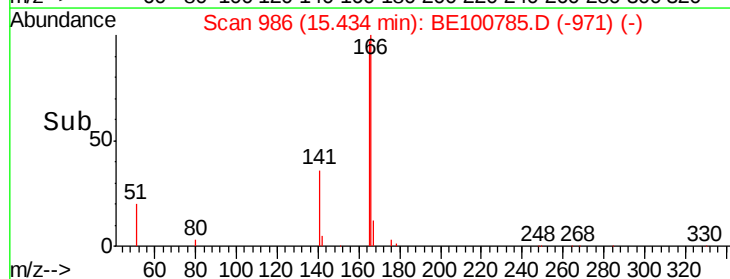
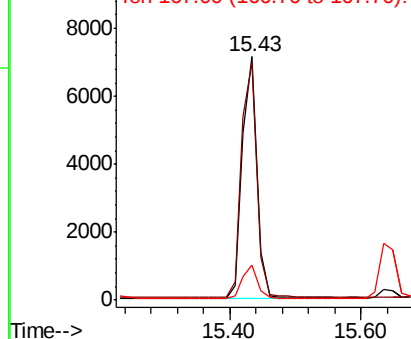
166 100

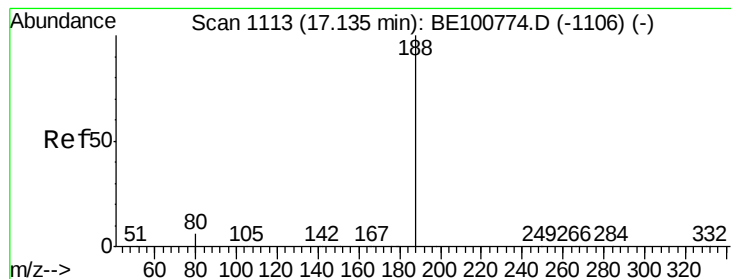
165 101.4 80.5 120.7

167 13.6 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: BE100785.D

Acq: 5 Dec 2019 12:41

Instrument :

BNA_E

ClientSampleId :

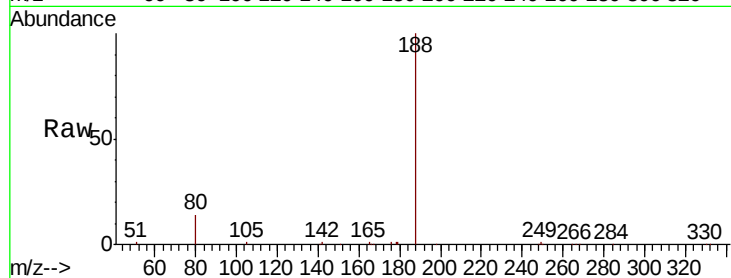
Tot Ion:188 Resp: 24732

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

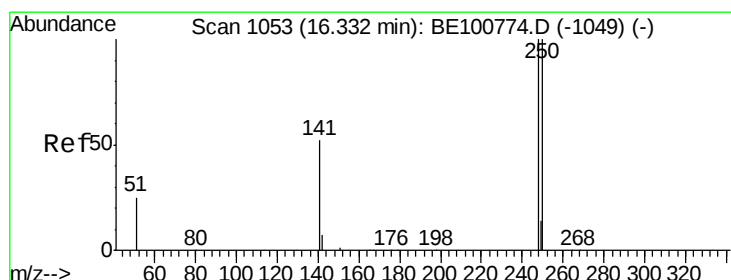
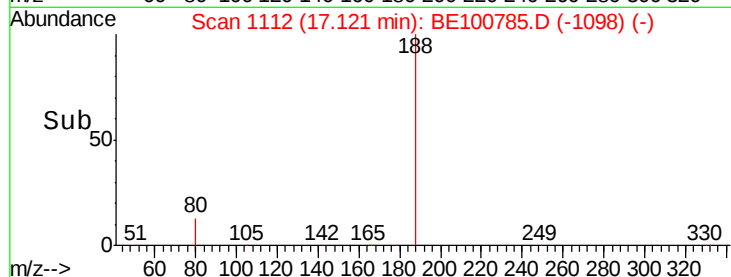
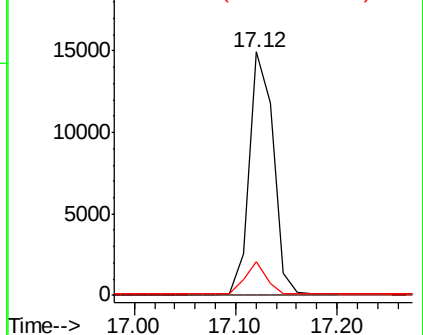
80 13.8 5.2 7.8#



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: 0.276 ng

RT: 16.33 min Scan# 1053

Delta R.T. -0.00 min

Lab File: BE100785.D

Acq: 5 Dec 2019 12:41

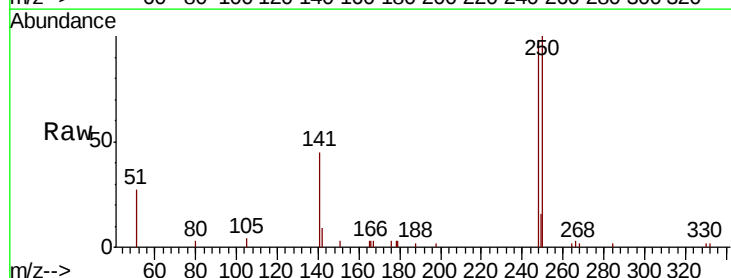
Tgt Ion:248 Resp: 3354

Ion Ratio Lower Upper

248 100

250 101.6 80.5 120.7

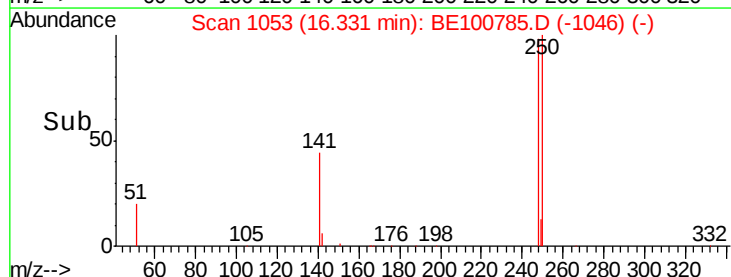
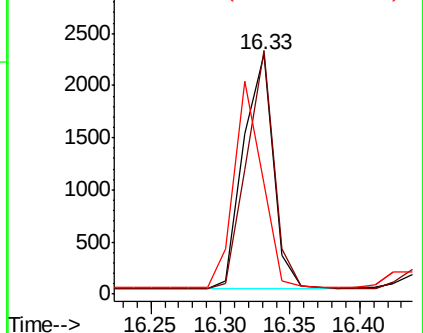
141 46.1 42.6 64.0

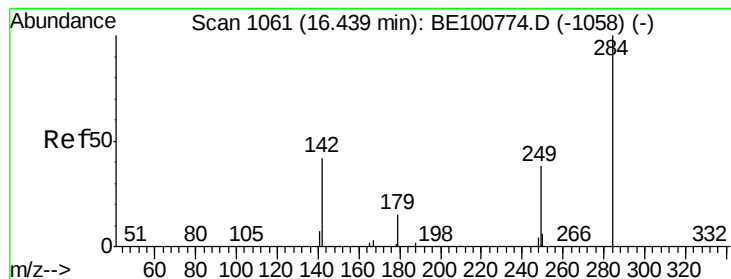


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.286 ng

RT: 16.44 min Scan# 1061

Delta R.T. -0.00 min

Lab File: BE100785.D

Acq: 5 Dec 2019 12:41

Instrument :

BNA_E

ClientSampleId :

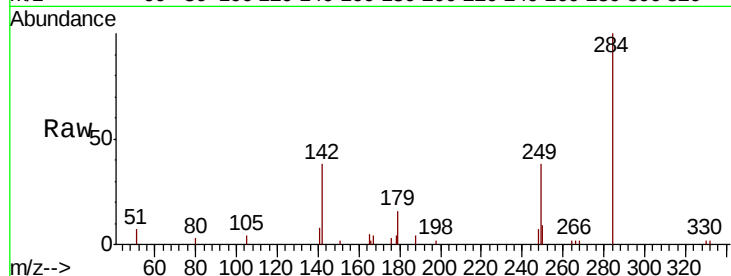
Tot Ion:284 Resp: 3764

Ion Ratio Lower Upper

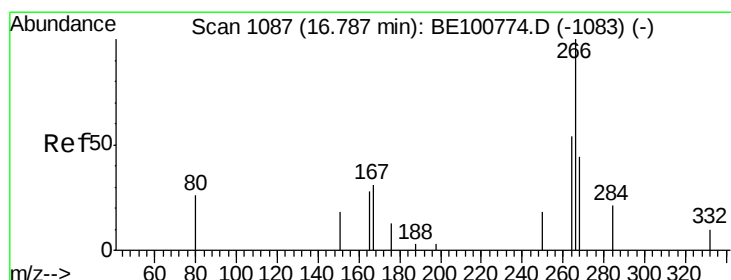
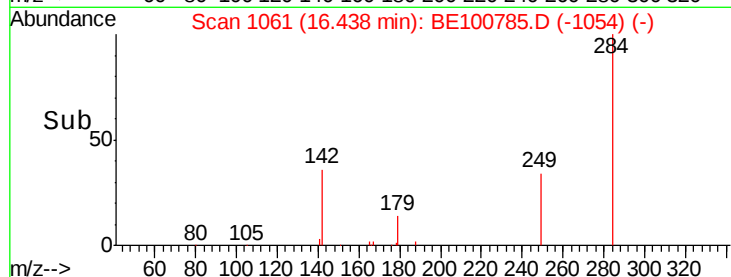
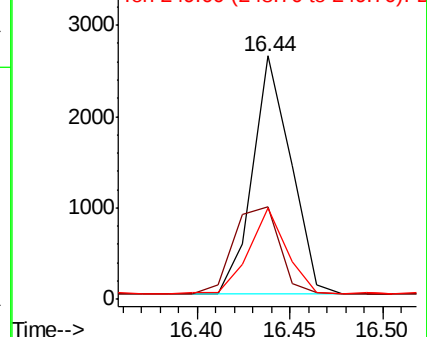
284 100

142 43.5 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: 0.073 ng

RT: 16.79 min Scan# 1087

Delta R.T. -0.00 min

Lab File: BE100785.D

Acq: 5 Dec 2019 12:41

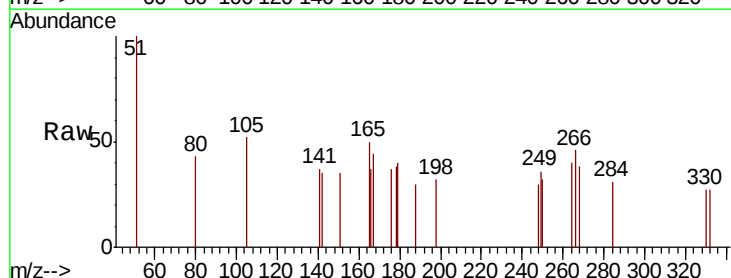
Tgt Ion:266 Resp: 67

Ion Ratio Lower Upper

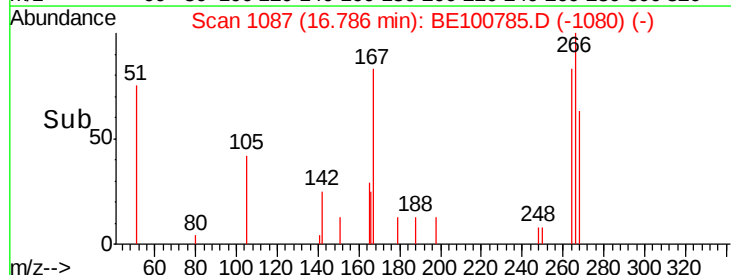
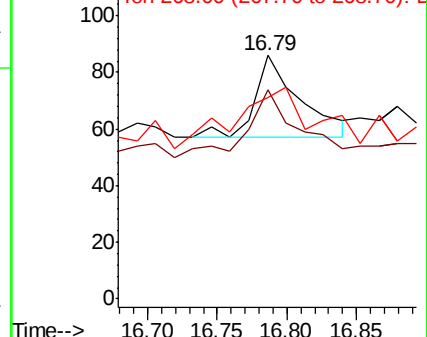
266 100

264 86.0 63.4 95.0

268 82.6 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: 0.276 ng

RT: 17.16 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BE100785.D

Acq: 5 Dec 2019 12:41

Instrument :

BNA_E

ClientSampleId :

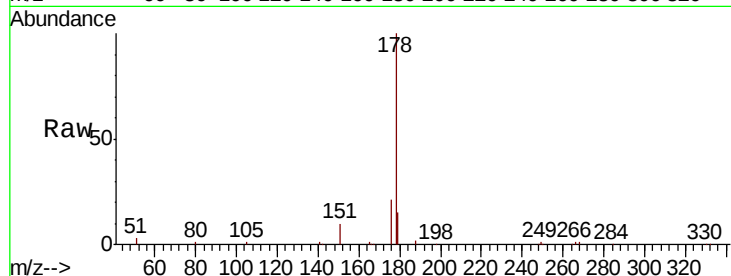
Tot Ion:178 Resp: 20674

Ion Ratio Lower Upper

178 100

176 19.4 15.5 23.3

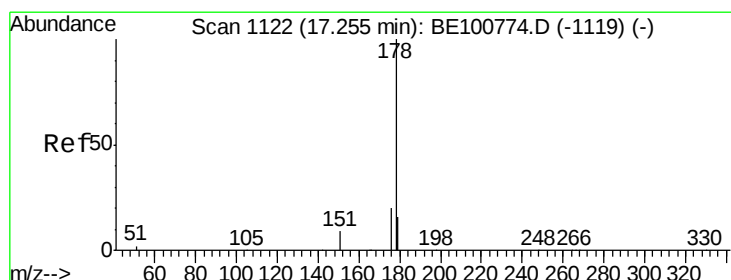
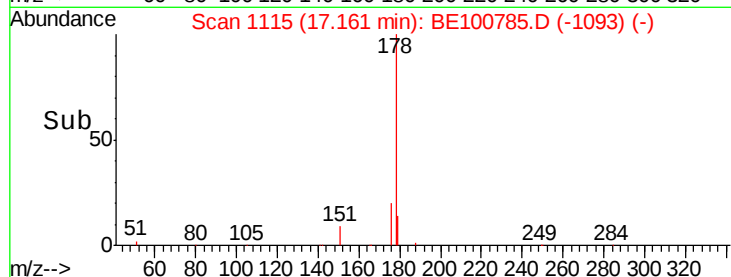
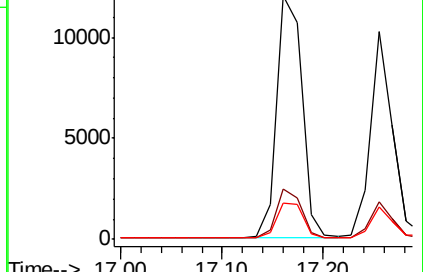
179 15.2 12.3 18.5



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.247 ng

RT: 17.25 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE100785.D

Acq: 5 Dec 2019 12:41

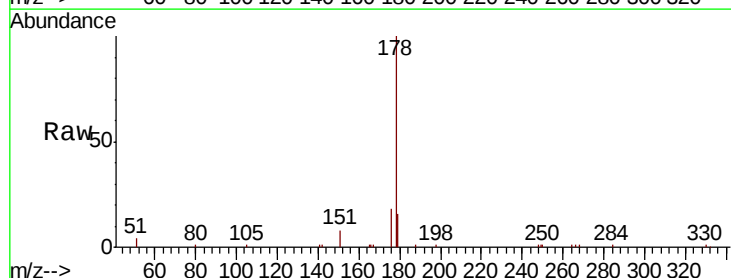
Tgt Ion:178 Resp: 15480

Ion Ratio Lower Upper

178 100

176 17.6 15.4 23.2

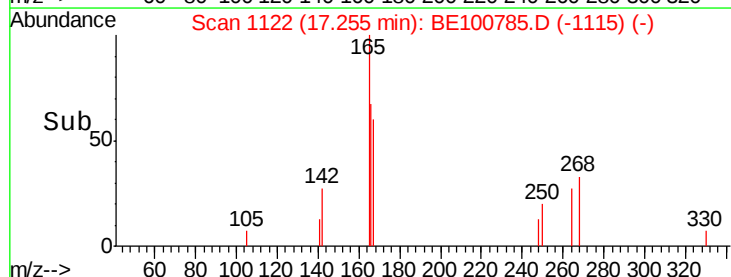
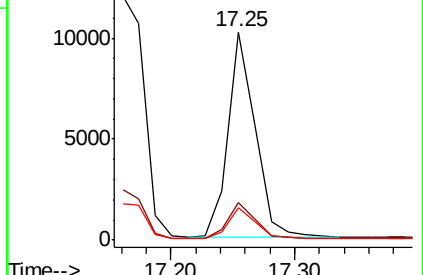
179 15.4 12.7 19.1



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: 0.237 ng

RT: 19.16 min Scan# 1374

Delta R.T. -0.00 min

Lab File: BE100785.D

Acq: 5 Dec 2019 12:41

Instrument :

BNA_E

ClientSampleId :

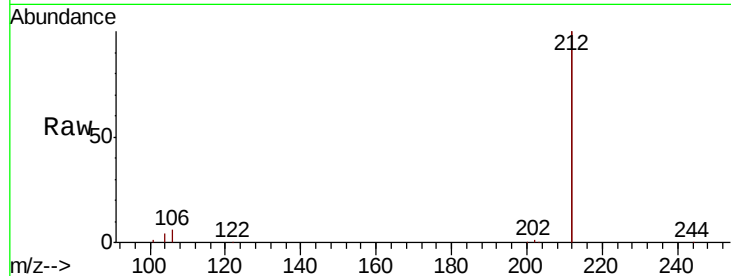
Tot Ion:212 Resp: 69148

Ion Ratio Lower Upper

212 100

106 3.2 2.6 3.8

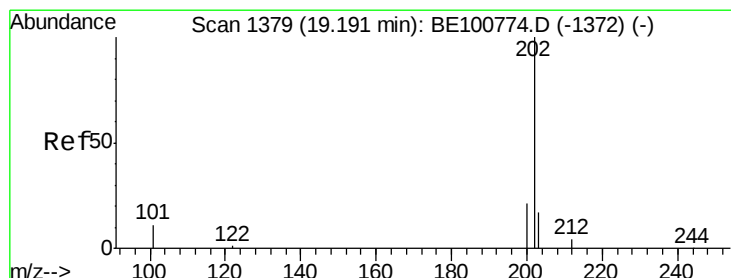
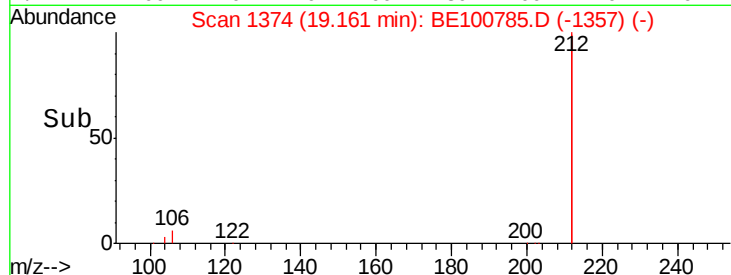
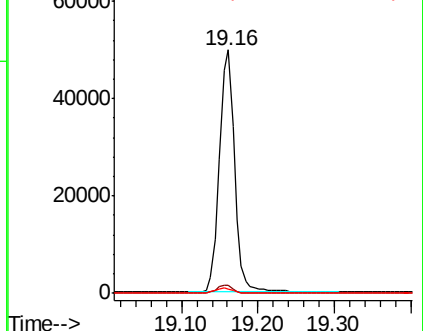
104 1.8 1.4 2.2



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: 0.226 ng

RT: 19.19 min Scan# 1379

Delta R.T. -0.00 min

Lab File: BE100785.D

Acq: 5 Dec 2019 12:41

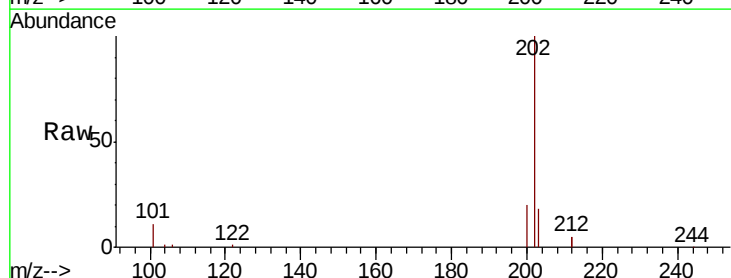
Tgt Ion:202 Resp: 20249

Ion Ratio Lower Upper

202 100

101 11.4 9.1 13.7

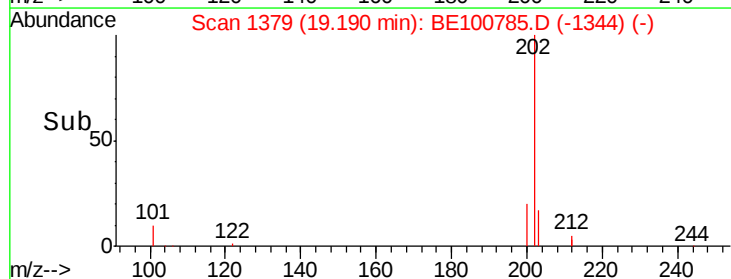
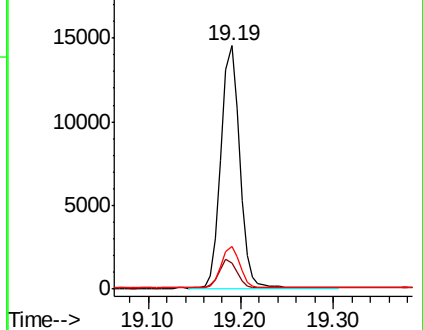
203 17.4 13.8 20.6



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

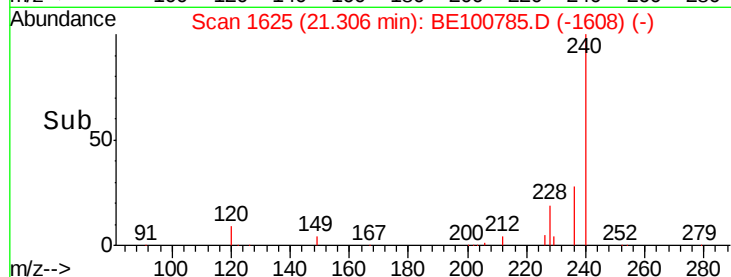
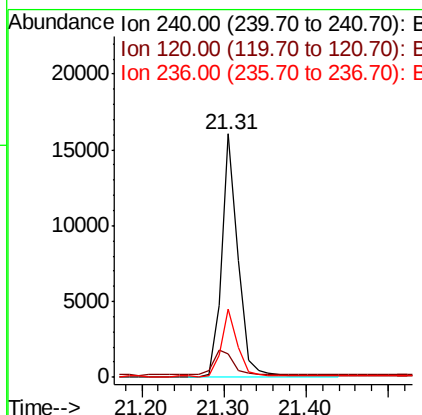
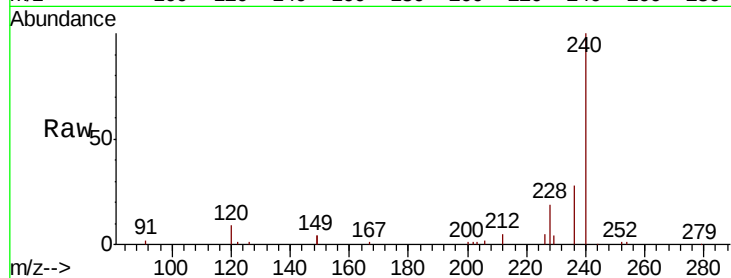




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.31 min Scan# 1625
 Delta R.T. 0.00 min
 Lab File: BE100785.D
 Acq: 5 Dec 2019 12:41

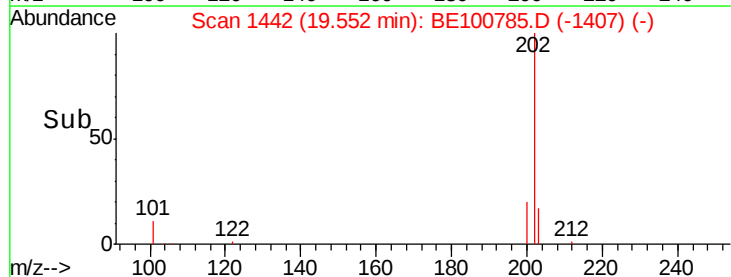
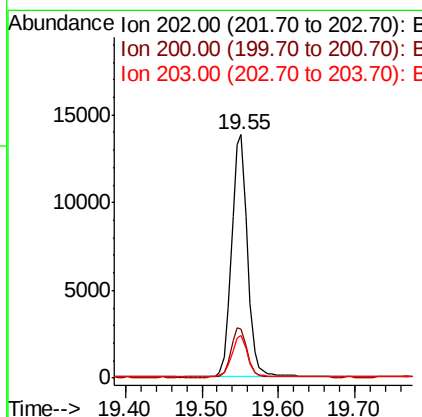
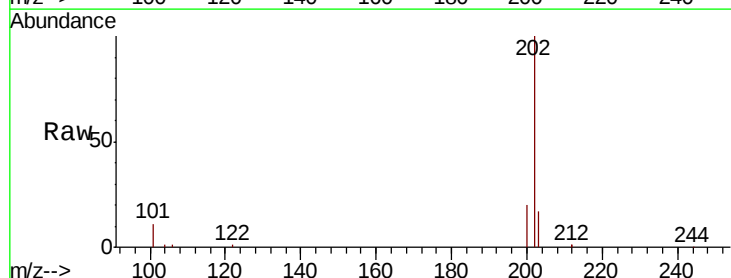
Instrument :
 BNA_E
 ClientSampleId :

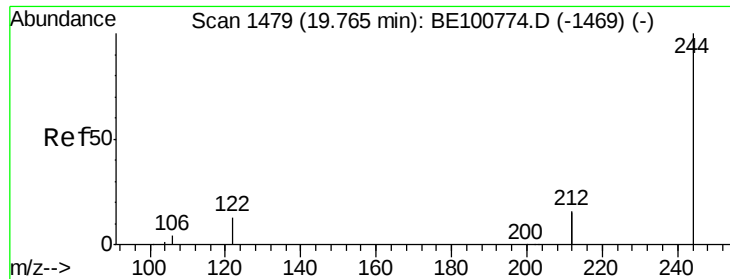
Tot Ion:240 Resp: 22280
 Ion Ratio Lower Upper
 240 100
 120 9.5 10.2 15.2#
 236 28.1 22.3 33.5



#28
 Pyrene
 Concen: 0.278 ng
 RT: 19.55 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: BE100785.D
 Acq: 5 Dec 2019 12:41

Tgt Ion:202 Resp: 20160
 Ion Ratio Lower Upper
 202 100
 200 20.8 17.0 25.4
 203 17.4 13.9 20.9

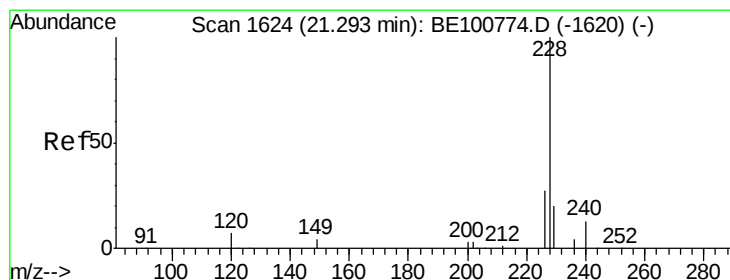
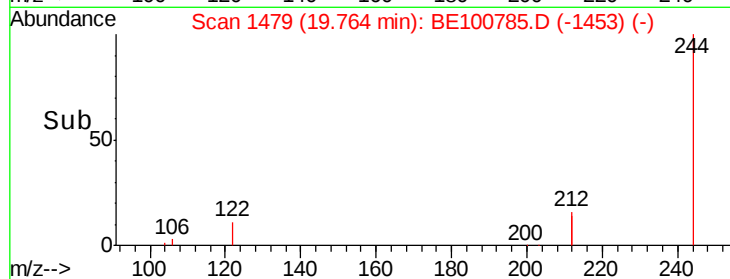
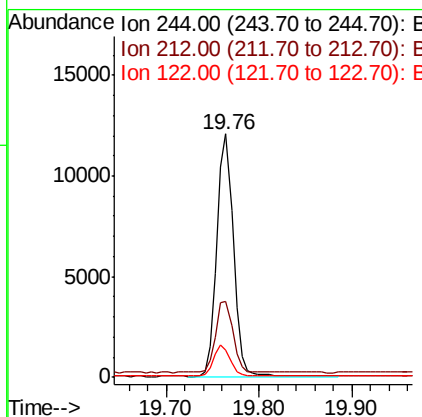
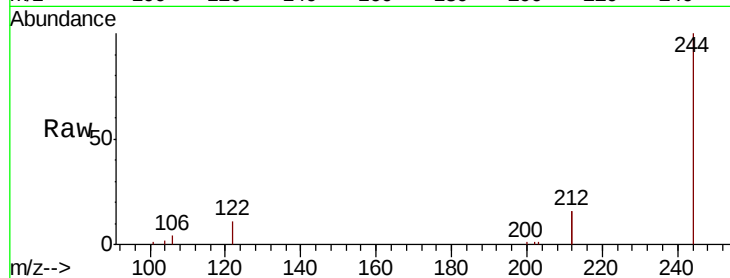




#29
 Terphenyl-d14
 Concen: 0.278 ng
 RT: 19.76 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: BE100785.D
 Acq: 5 Dec 2019 12:41

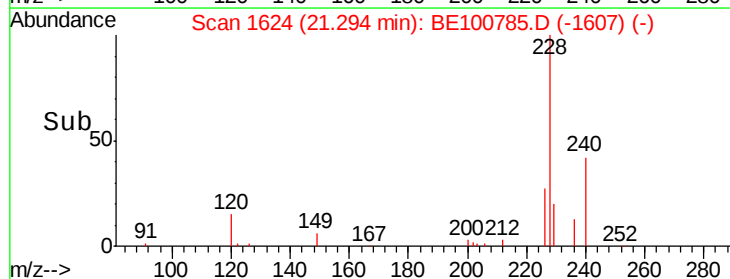
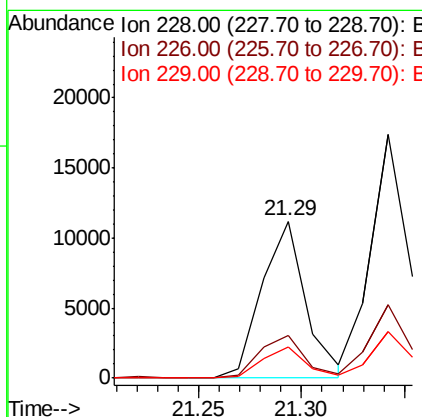
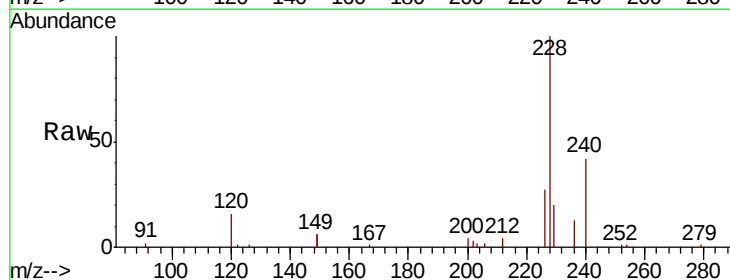
Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:244 Resp: 14859
 Ion Ratio Lower Upper
 244 100
 212 31.4 26.2 39.4
 122 11.1 10.2 15.4



#30
 Benzo(a)anthracene
 Concen: 0.251 ng
 RT: 21.29 min Scan# 1624
 Delta R.T. 0.00 min
 Lab File: BE100785.D
 Acq: 5 Dec 2019 12:41

Tgt Ion:228 Resp: 16495
 Ion Ratio Lower Upper
 228 100
 226 27.3 21.5 32.3
 229 20.0 16.0 24.0





#31

Chrysene

Concen: 0.293 ng

RT: 21.34 min Scan# 1628

Delta R.T. 0.00 min

Lab File: BE100785.D

Acq: 5 Dec 2019 12:41

Instrument :

BNA_E

ClientSampled :

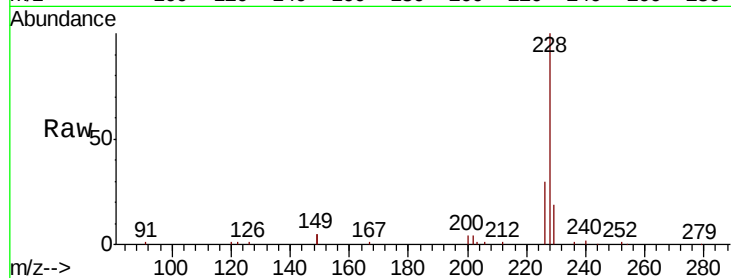
Tot Ion:228 Resp: 22612

Ion Ratio Lower Upper

228 100

226 30.3 25.0 37.4

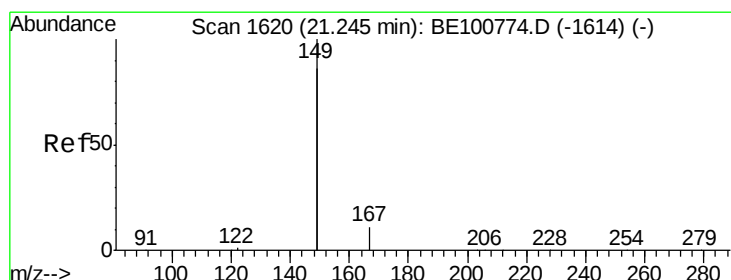
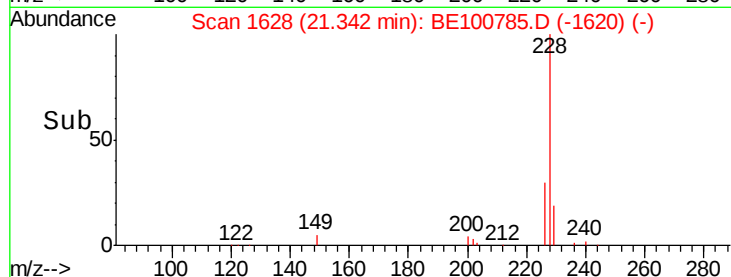
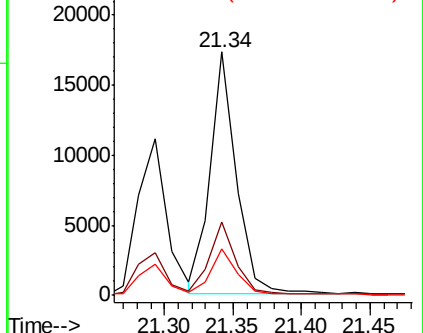
229 19.1 15.4 23.2



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: 0.296 ng

RT: 21.25 min Scan# 1620

Delta R.T. 0.00 min

Lab File: BE100785.D

Acq: 5 Dec 2019 12:41

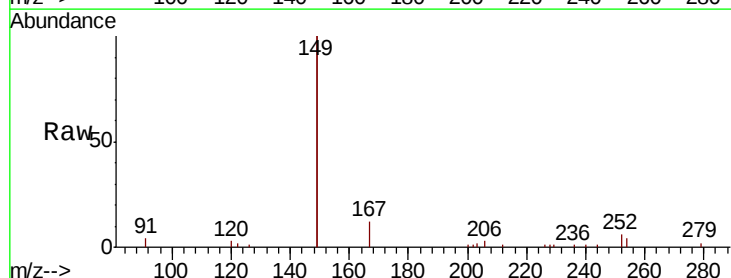
Tgt Ion:149 Resp: 14073

Ion Ratio Lower Upper

149 100

167 6.0 5.0 7.6

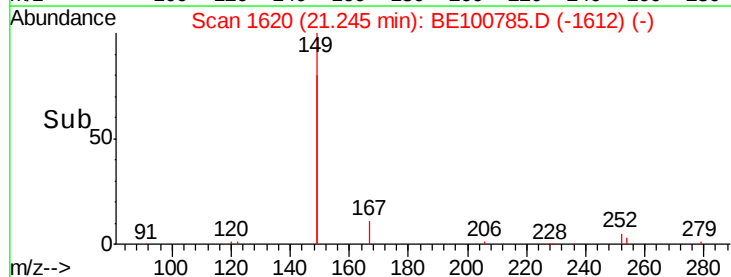
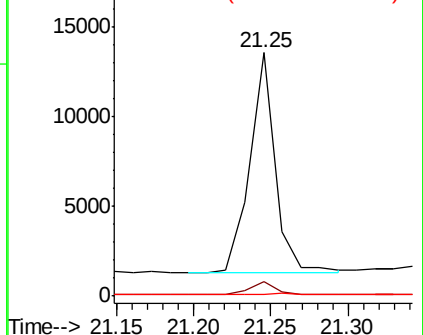
279 0.8 0.7 1.1



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: 0.304 ng

RT: 26.33 min Scan# 2886

Delta R.T. -0.01 min

Lab File: BE100785.D

Acq: 5 Dec 2019 12:41

Instrument :

BNA_E

ClientSampleId :

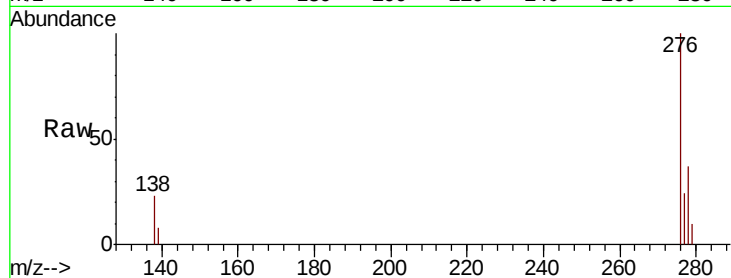
Tot Ion:276 Resp: 20454

Ion Ratio Lower Upper

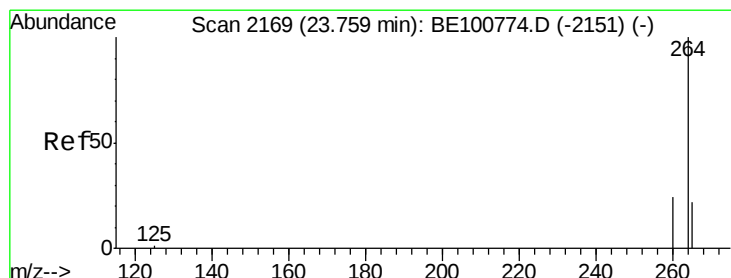
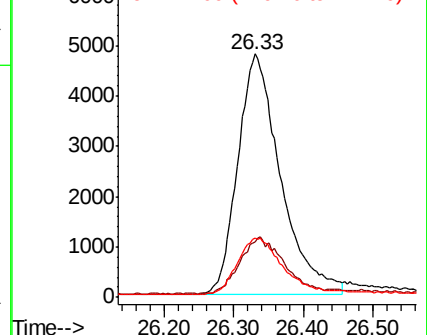
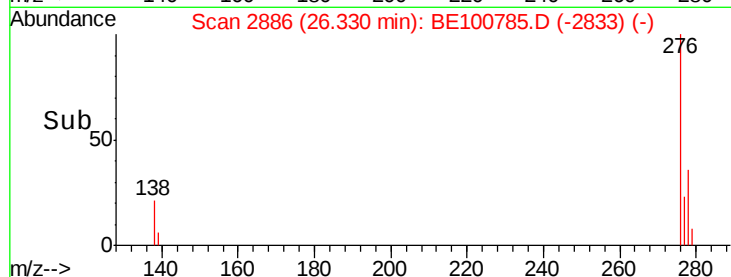
276 100

138 24.3 19.4 29.0

277 25.0 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: BE100785.D

Acq: 5 Dec 2019 12:41

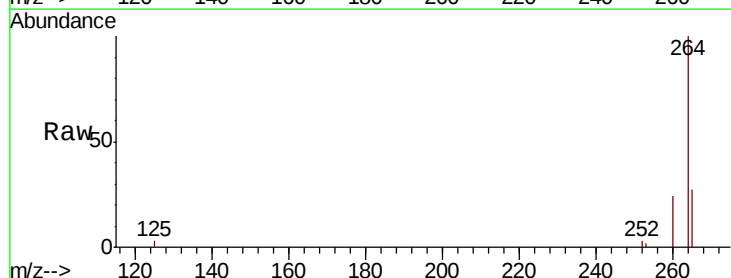
Tgt Ion:264 Resp: 26643

Ion Ratio Lower Upper

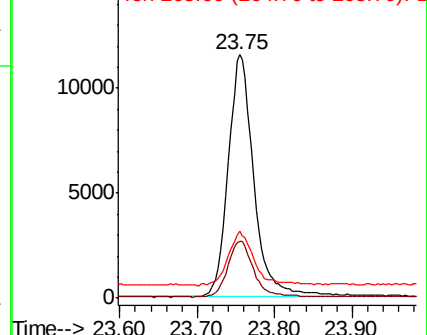
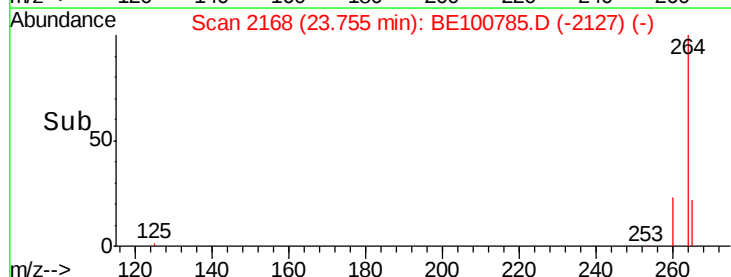
264 100

260 23.6 19.4 29.2

265 27.4 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: 0.263 ng

RT: 23.01 min Scan# 1958

Delta R.T. -0.00 min

Lab File: BE100785.D

Acq: 5 Dec 2019 12:41

Instrument :

BNA_E

ClientSampleId :

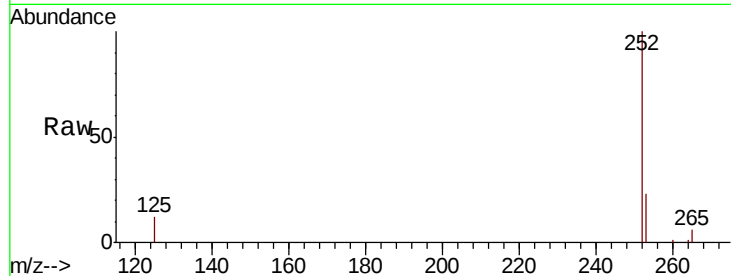
Tot Ion:252 Resp: 19163

Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.8

125 12.0 9.0 13.4

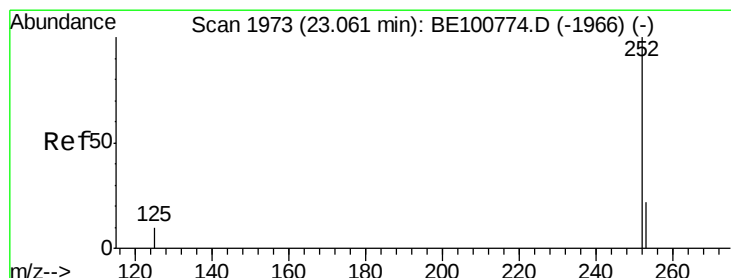
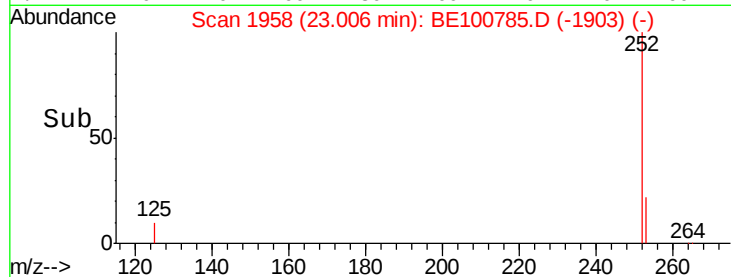
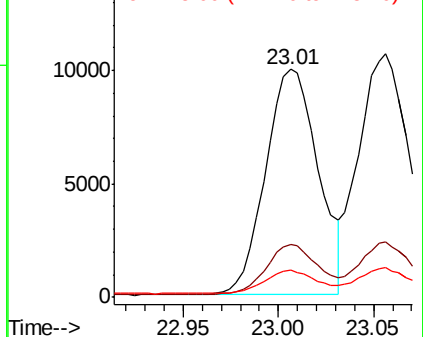


Abundance

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: 0.272 ng

RT: 23.06 min Scan# 1972

Delta R.T. -0.00 min

Lab File: BE100785.D

Acq: 5 Dec 2019 12:41

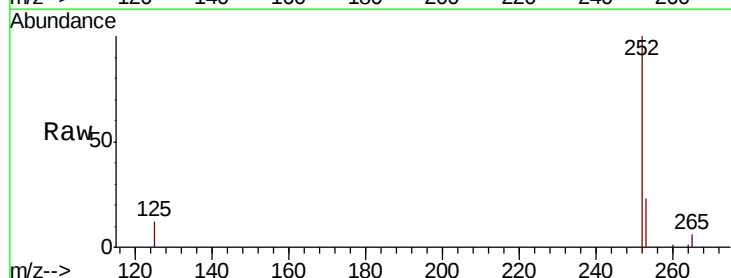
Tgt Ion:252 Resp: 22275

Ion Ratio Lower Upper

252 100

253 22.8 17.8 26.8

125 12.1 8.7 13.1

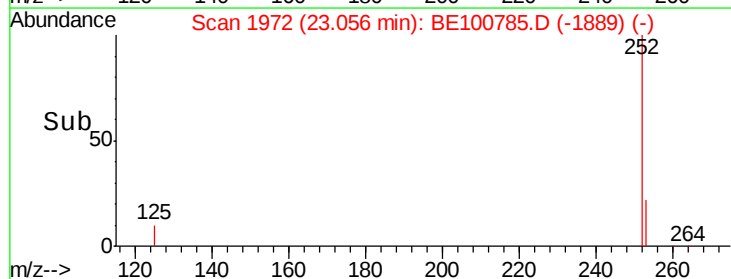
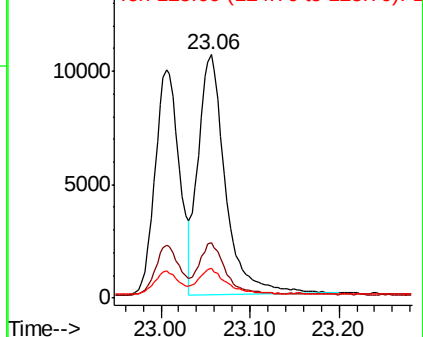


Abundance

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: 0.262 ng

RT: 23.64 min Scan# 2137

Delta R.T. -0.00 min

Lab File: BE100785.D

Acq: 5 Dec 2019 12:41

Instrument :

BNA_E

ClientSampleId :

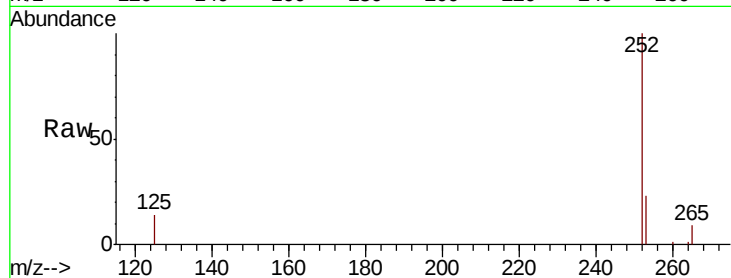
Tot Ion:252 Resp: 16522

Ion Ratio Lower Upper

252 100

253 23.4 18.2 27.4

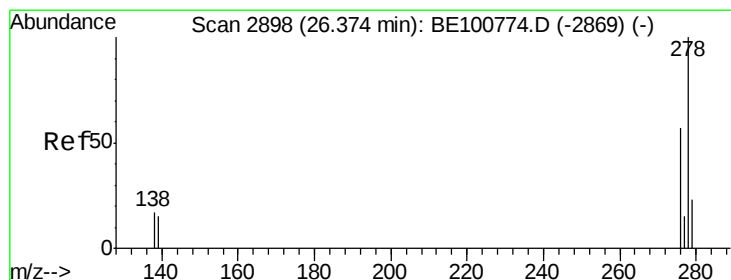
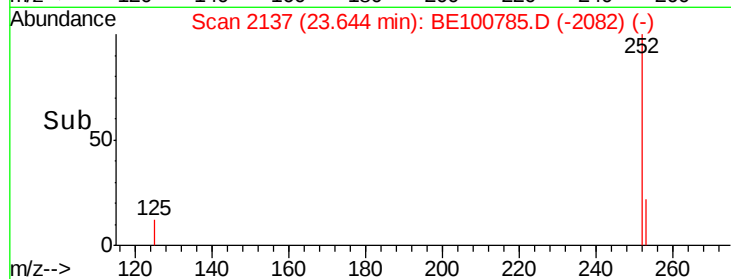
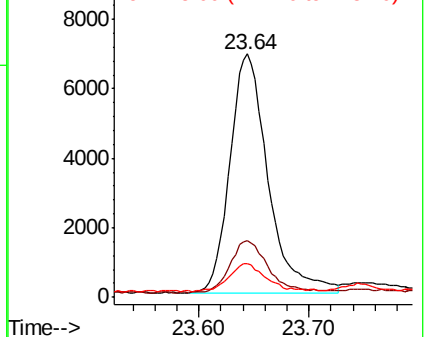
125 13.8 10.4 15.6



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: 0.275 ng

RT: 26.36 min Scan# 2895

Delta R.T. -0.01 min

Lab File: BE100785.D

Acq: 5 Dec 2019 12:41

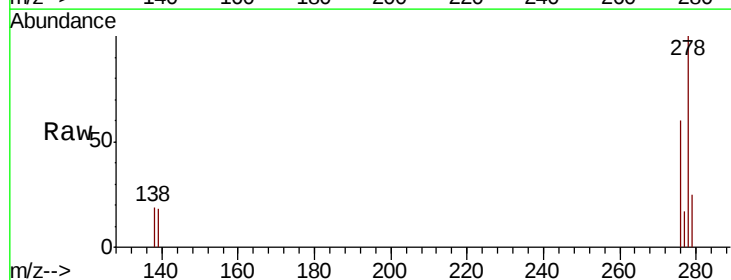
Tgt Ion:278 Resp: 17287

Ion Ratio Lower Upper

278 100

139 17.6 13.0 19.4

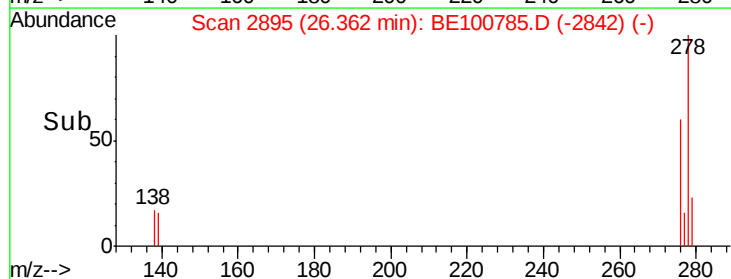
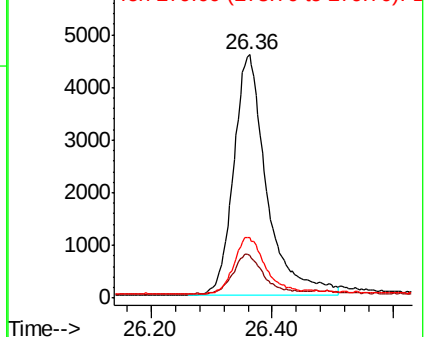
279 24.6 19.6 29.4



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: 0.308 ng

RT: 27.11 min Scan# 3106

Delta R.T. -0.01 min

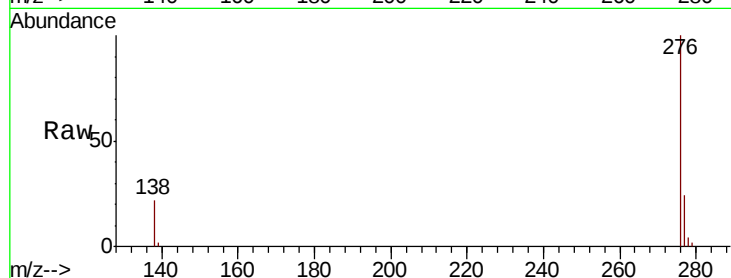
Lab File: BE100785.D

Acq: 5 Dec 2019 12:41

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 20678

Ion Ratio Lower Upper

276 100

277 23.8 19.3 28.9

138 21.8 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

