

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121019\
 Data File : BE100810.D
 Acq On : 10 Dec 2019 14:35
 Operator : JU
 Sample : K6184-04MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE134D1-20191202MSD

Quant Time: Dec 10 17:46:24 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	5625	0.40	ng	-0.01
7) Naphthalene-d8	10.54	136	24384	0.40	ng	0.00
13) Acenaphthene-d10	14.40	164	13299	0.40	ng	0.00
19) Phenanthrene-d10	17.12	188	33362	0.40	ng	-0.01
27) Chrysene-d12	21.31	240	30932	0.40	ng	0.00
34) Perylene-d12	23.75	264	37088	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.37	112	2828	0.21	ng	0.00
5) Phenol-d6	6.93	99	2673	0.13	ng	0.00
8) Nitrobenzene-d5	8.90	82	6719	0.58	ng	0.00
11) 2-Methylnaphthalene-d10	12.14	152	19282	0.55	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	1219	0.82	ng	0.00
15) 2-Fluorobiphenyl	13.03	172	19978	0.38	ng	0.00
25) Fluoranthene-d10	19.16	212	159470	0.40	ng	0.00
29) Terphenyl-d14	19.76	244	31557	0.43	ng	0.00

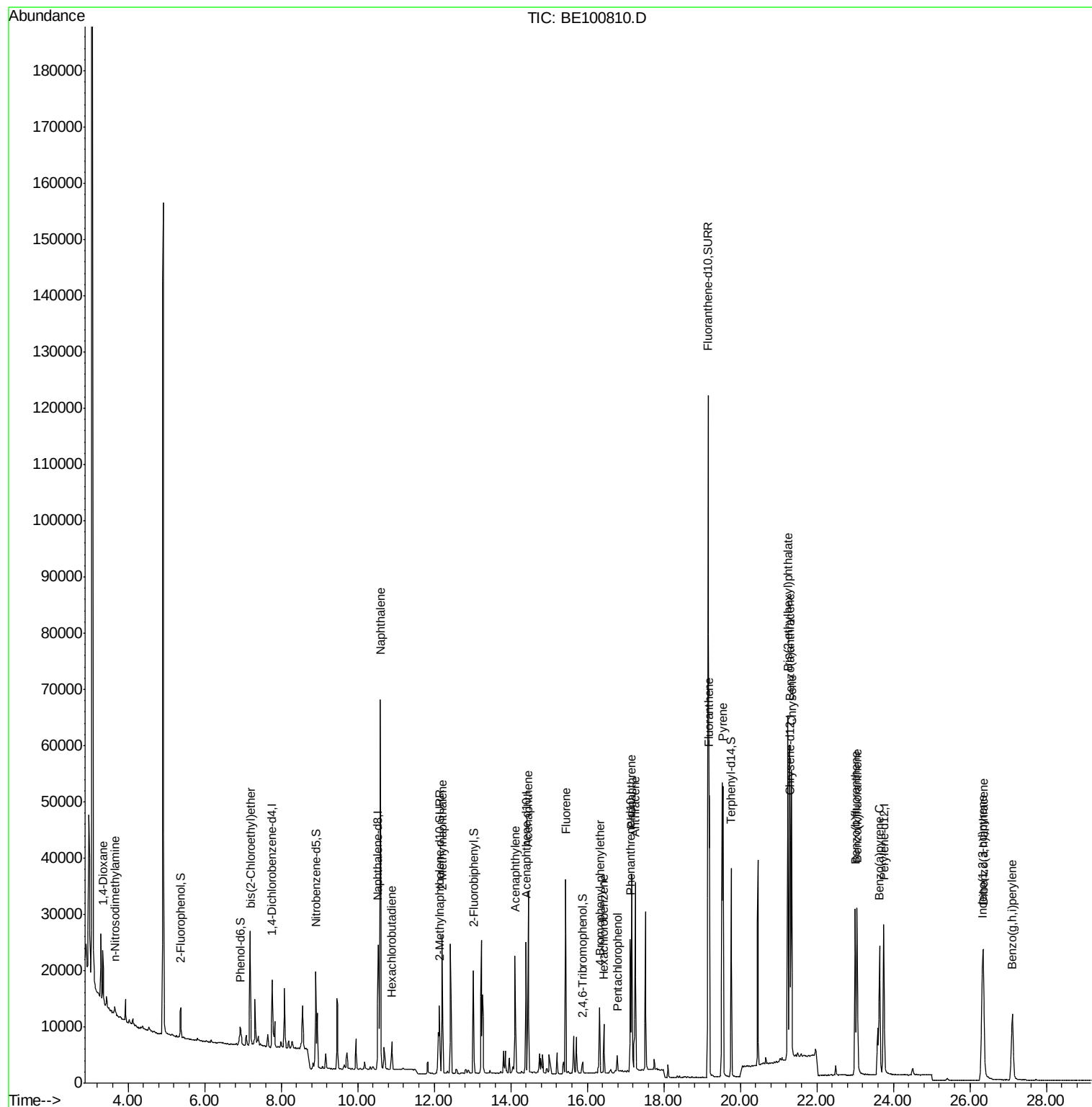
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.34	88	5833	0.569	ng	# 58
3) n-Nitrosodimethylamine	3.65	42	1448	0.173	ng	87
6) bis(2-Chloroethyl)ether	7.19	93	7619	0.391	ng	100
9) Naphthalene	10.59	128	99854	0.385	ng	100
10) Hexachlorobutadiene	10.89	225	3176	0.314	ng	97
12) 2-Methylnaphthalene	12.21	142	15740	0.389	ng	98
16) Acenaphthylene	14.11	152	22628	0.411	ng	99
17) Acenaphthene	14.46	154	14886	0.393	ng	99
18) Fluorene	15.43	166	19574	0.400	ng	99
20) 4-Bromophenyl-phenylether	16.33	248	6019	0.368	ng	97
21) Hexachlorobenzene	16.44	284	5908	0.332	ng	99
22) Pentachlorophenol	16.79	266	1823	1.482	ng	84
23) Phenanthrene	17.16	178	38306	0.379	ng	100
24) Anthracene	17.25	178	33894	0.401	ng	99
26) Fluoranthene	19.19	202	45029	0.373	ng	100
28) Pyrene	19.55	202	46497	0.463	ng	100
30) Benzo(a)anthracene	21.29	228	41745	0.458	ng	98
31) Chrysene	21.34	228	42427	0.396	ng	98
32) Bis(2-ethylhexyl)phthalate	21.25	149	72097	1.024	ng	100
33) Indeno(1,2,3-cd)pyrene	26.32	276	40039	0.429	ng	99
35) Benzo(b)fluoranthene	23.00	252	40795	0.402	ng	99
36) Benzo(k)fluoranthene	23.05	252	42305	0.372	ng	98
37) Benzo(a)pyrene	23.64	252	35869	0.408	ng	99
38) Dibenzo(a,h)anthracene	26.35	278	33718	0.386	ng	99
39) Benzo(g,h,i)perylene	27.11	276	29118	0.311	ng	99

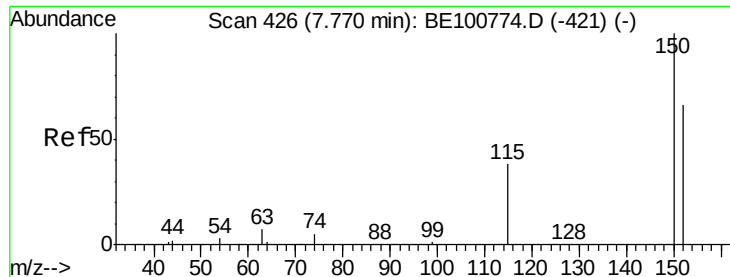
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.76 min Scan# 425

Delta R.T. -0.01 min

Lab File: BE100810.D

Acq: 10 Dec 2019 14:35

Instrument :

BNA_E

ClientSampleId :

RE134D1-20191202MSD

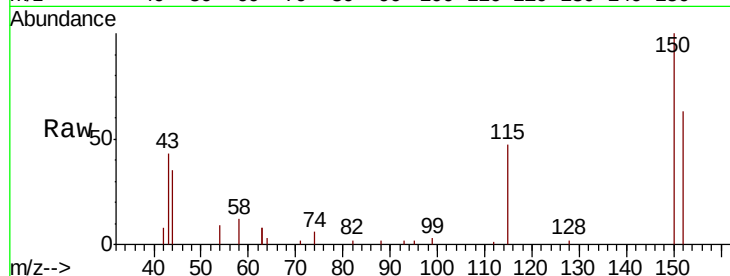
Tot Ion:152 Resp: 5625

Ion Ratio Lower Upper

152 100

150 159.4 120.6 181.0

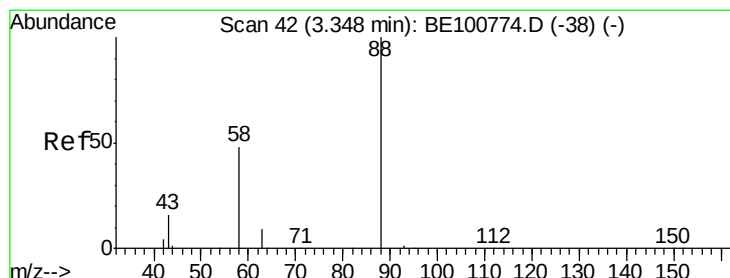
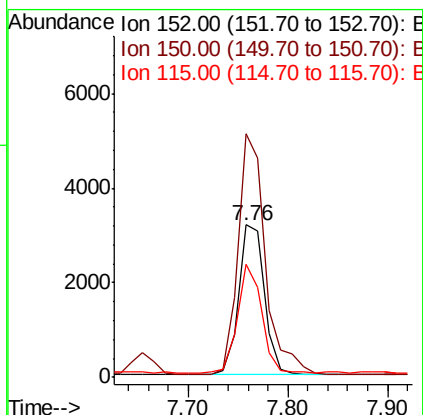
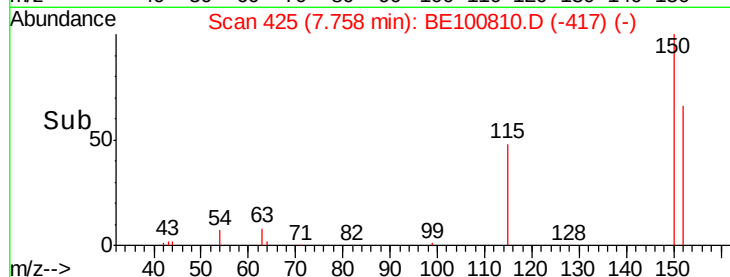
115 74.2 47.4 71.2#



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: 0.569 ng

RT: 3.34 min Scan# 41

Delta R.T. -0.01 min

Lab File: BE100810.D

Acq: 10 Dec 2019 14:35

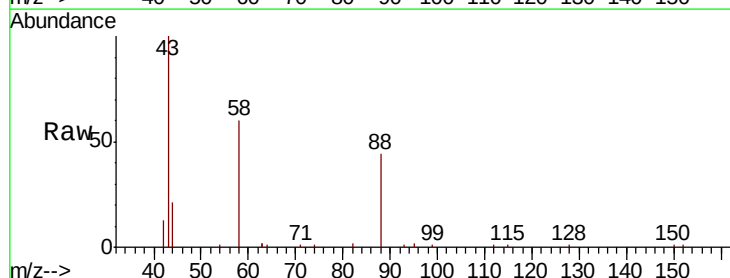
Tgt Ion: 88 Resp: 5833

Ion Ratio Lower Upper

88 100

58 91.2 52.5 78.7#

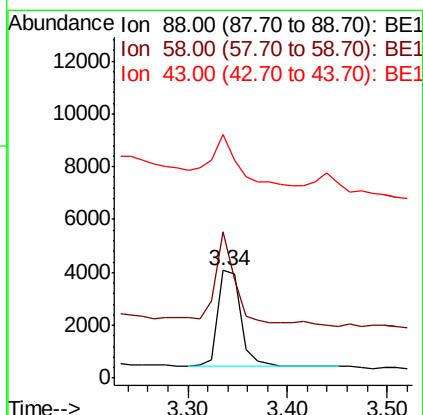
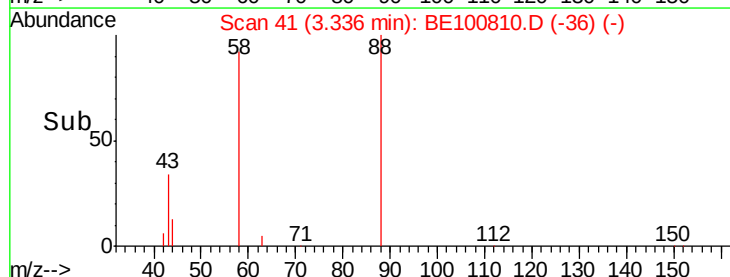
43 63.2 23.0 34.6#

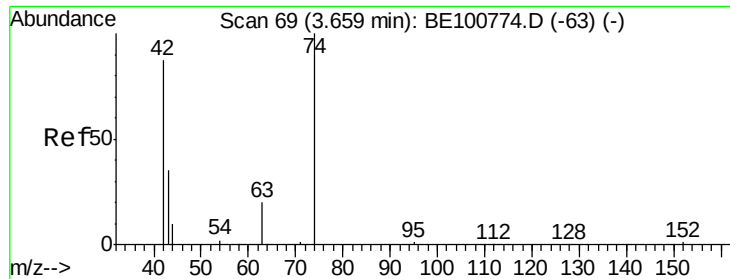


Abundance Ion 88.00 (87.70 to 88.70): BE1

Ion 58.00 (57.70 to 58.70): BE1

Ion 43.00 (42.70 to 43.70): BE1





#3

n-Nitrosodimethylamine

Concen: 0.173 ng

RT: 3.65 min Scan# 68

Delta R.T. -0.01 min

Lab File: BE100810.D

Acq: 10 Dec 2019 14:35

Instrument :

BNA_E

ClientSampleId :

RE134D1-20191202MSD

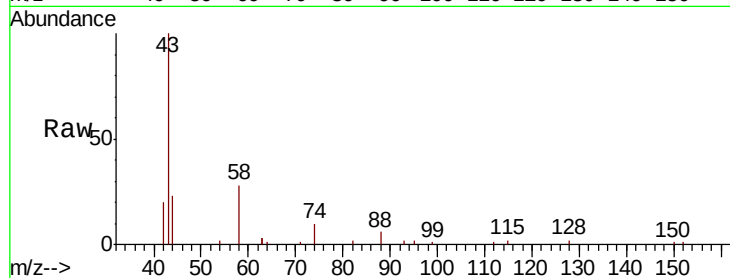
Tot Ion: 42 Resp: 1448

Ion Ratio Lower Upper

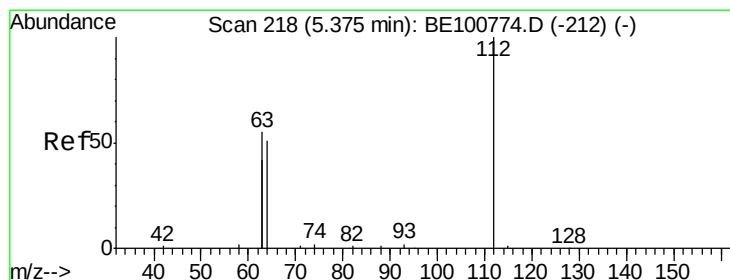
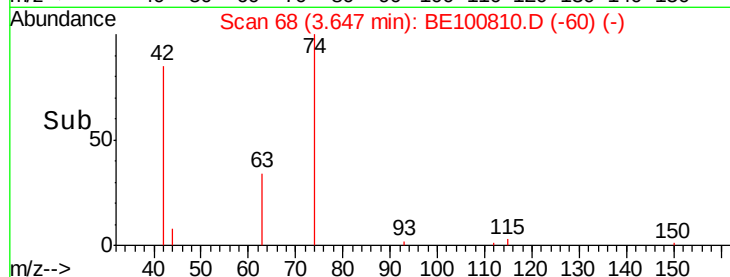
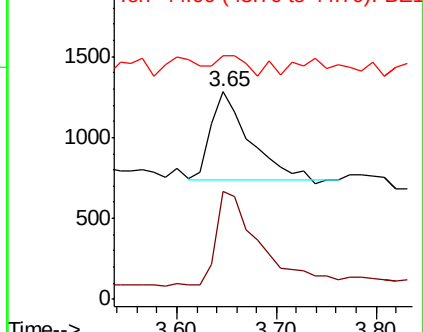
42 100

74 123.1 86.3 129.5

44 15.6 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: 0.212 ng

RT: 5.37 min Scan# 218

Delta R.T. -0.00 min

Lab File: BE100810.D

Acq: 10 Dec 2019 14:35

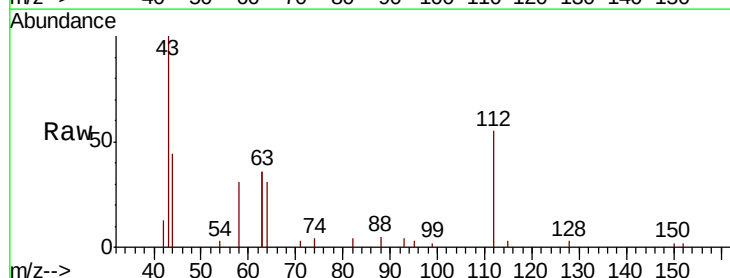
Tgt Ion: 112 Resp: 2828

Ion Ratio Lower Upper

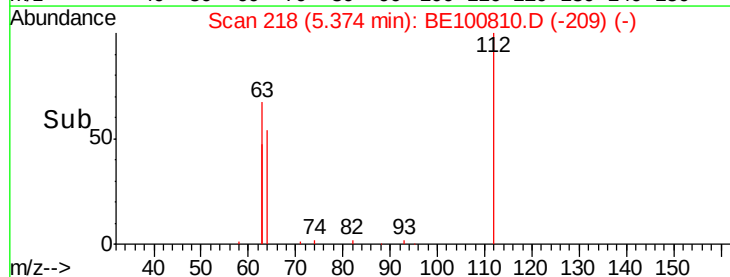
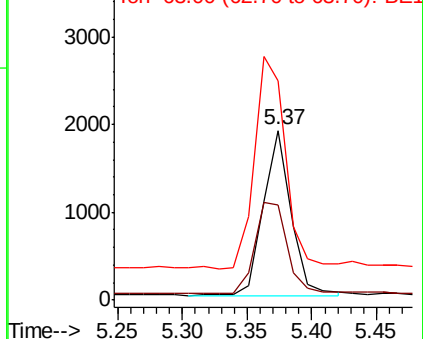
112 100

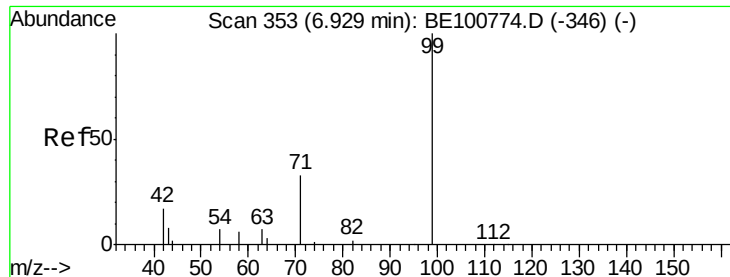
64 66.0 54.1 81.1

63 142.9 113.2 169.8



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: 0.133 ng

RT: 6.93 min Scan# 353

Delta R.T. -0.00 min

Lab File: BE100810.D

Acq: 10 Dec 2019 14:35

Instrument :

BNA_E

ClientSampleId :

RE134D1-20191202MSD

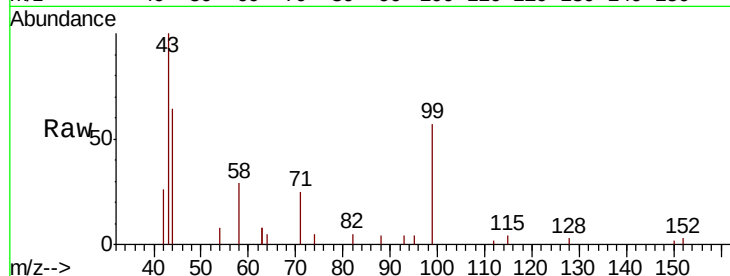
Tot Ion: 99 Resp: 2673

Ion Ratio Lower Upper

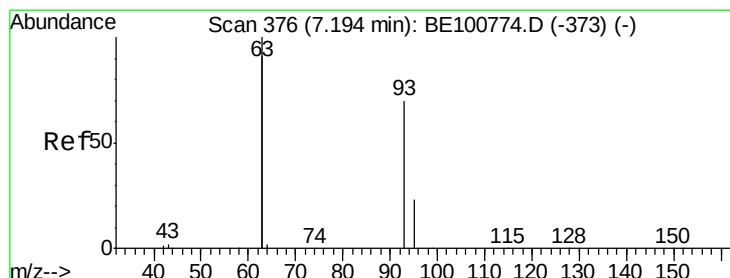
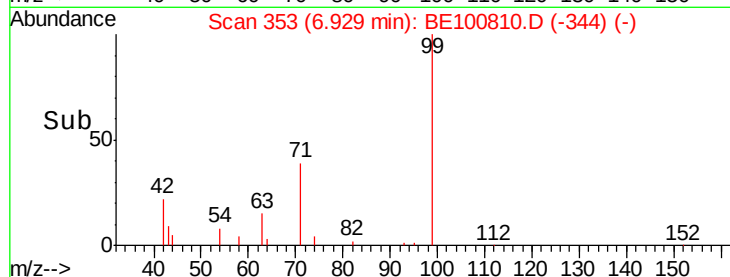
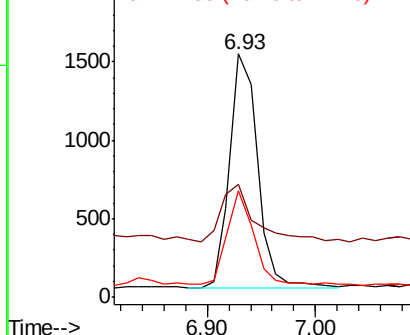
99 100

42 30.2 19.1 28.7#

71 37.8 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: 0.391 ng

RT: 7.19 min Scan# 376

Delta R.T. -0.00 min

Lab File: BE100810.D

Acq: 10 Dec 2019 14:35

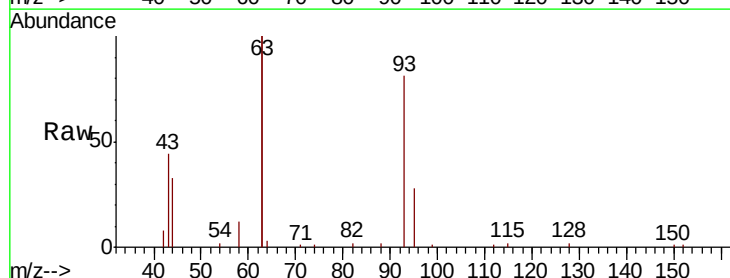
Tgt Ion: 93 Resp: 7619

Ion Ratio Lower Upper

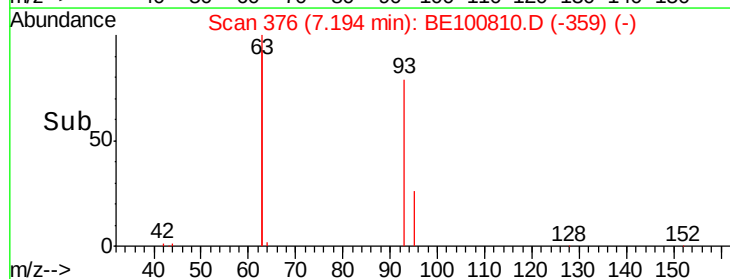
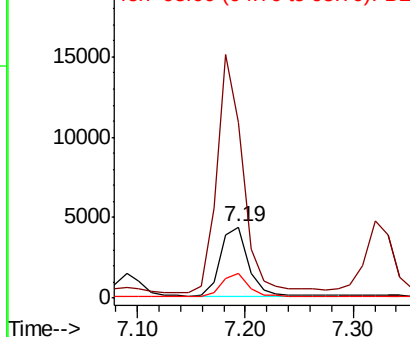
93 100

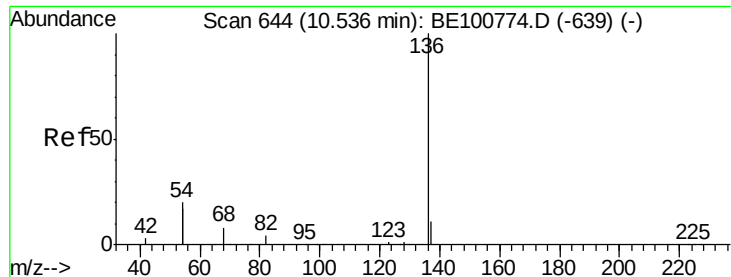
63 324.5 259.4 389.0

95 33.3 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: BE100810.D

Acq: 10 Dec 2019 14:35

Instrument :

BNA_E

ClientSampleId :

RE134D1-20191202MSD

Tot Ion:136 Resp: 24384

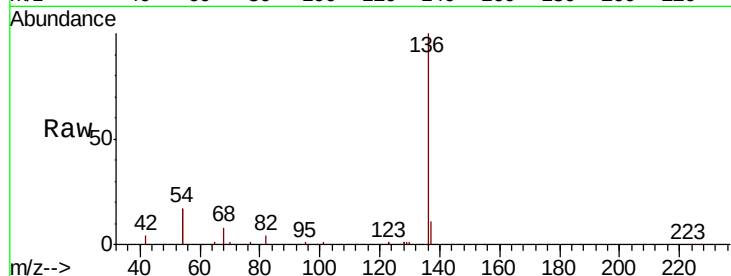
Ion Ratio Lower Upper

136 100

137 11.2 9.4 14.0

54 33.8 31.1 46.7

68 7.6 6.6 10.0

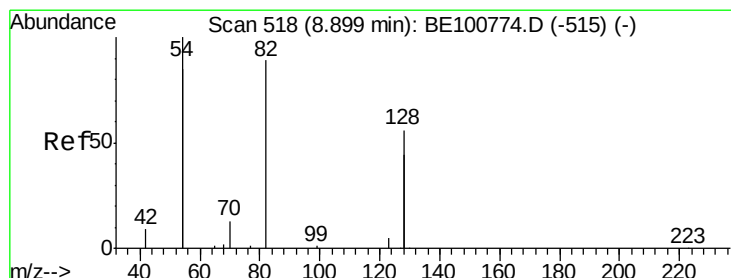
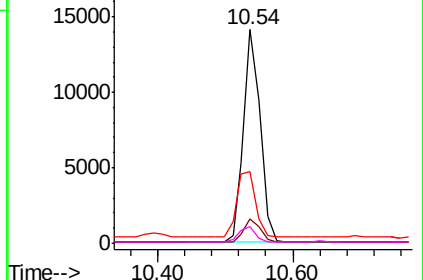
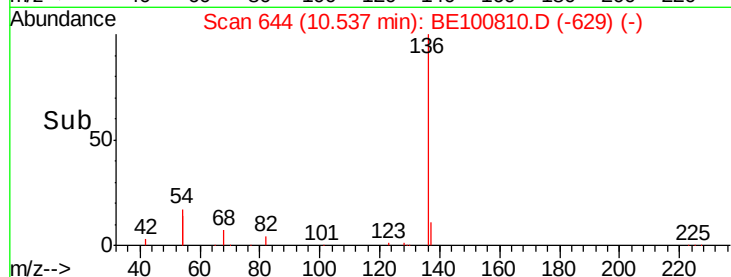


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.579 ng

RT: 8.90 min Scan# 518

Delta R.T. 0.00 min

Lab File: BE100810.D

Acq: 10 Dec 2019 14:35

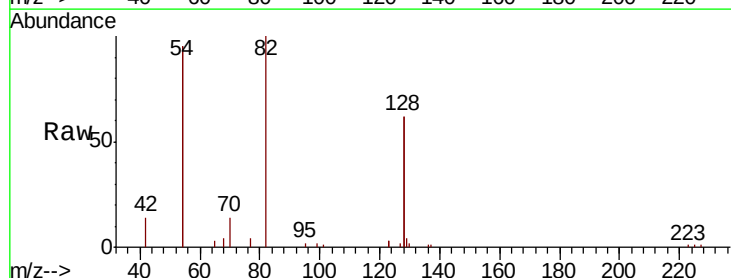
Tgt Ion: 82 Resp: 6719

Ion Ratio Lower Upper

82 100

128 124.6 97.0 145.4

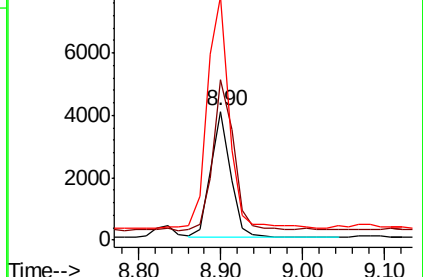
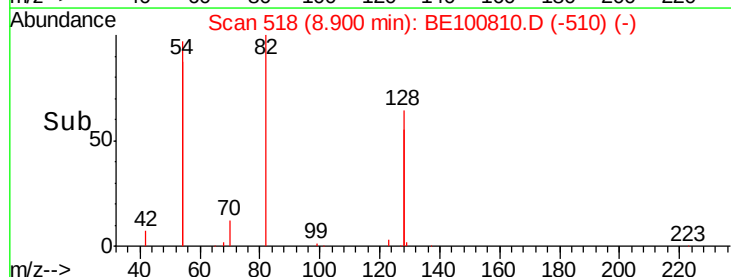
54 189.4 171.8 257.6

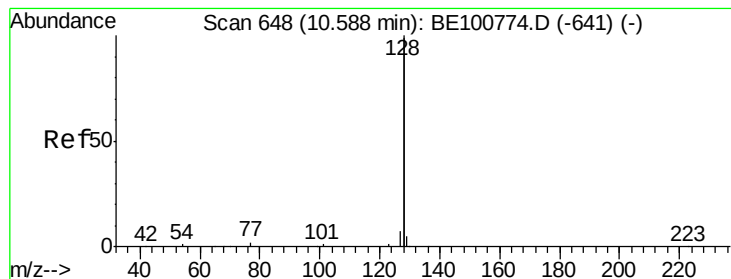


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.385 ng

RT: 10.59 min Scan# 648

Delta R.T. 0.00 min

Lab File: BE100810.D

Acq: 10 Dec 2019 14:35

Instrument :

BNA_E

ClientSampleId :

RE134D1-20191202MSD

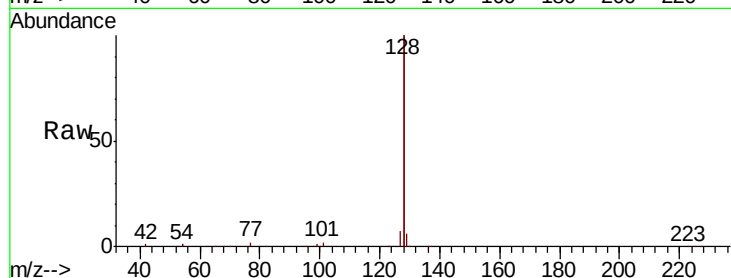
Tot Ion:128 Resp: 99854

Ion Ratio Lower Upper

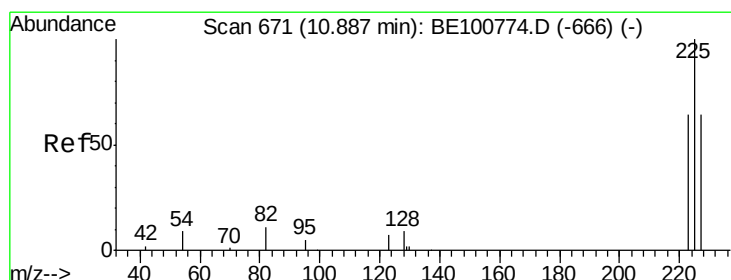
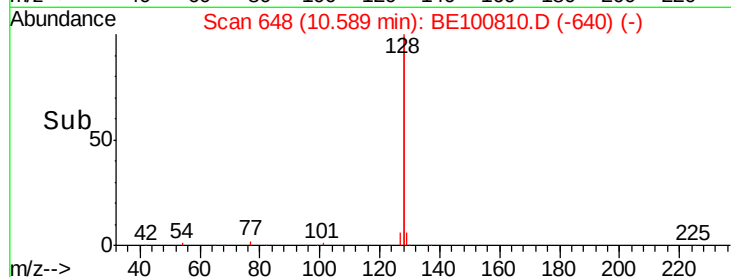
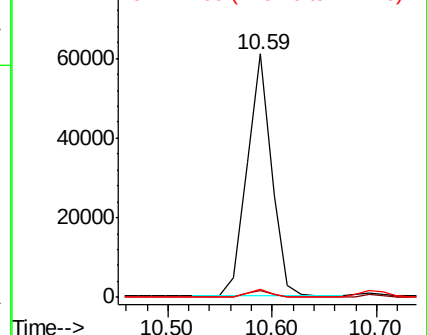
128 100

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: 0.314 ng

RT: 10.89 min Scan# 671

Delta R.T. 0.00 min

Lab File: BE100810.D

Acq: 10 Dec 2019 14:35

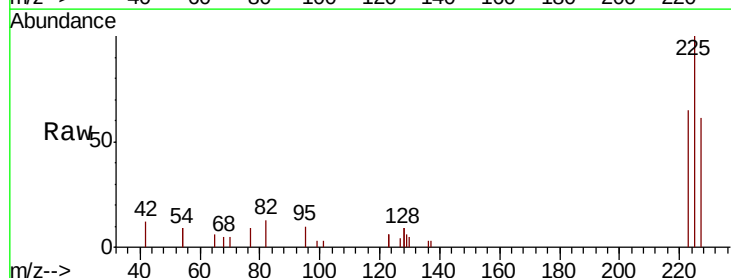
Tgt Ion:225 Resp: 3176

Ion Ratio Lower Upper

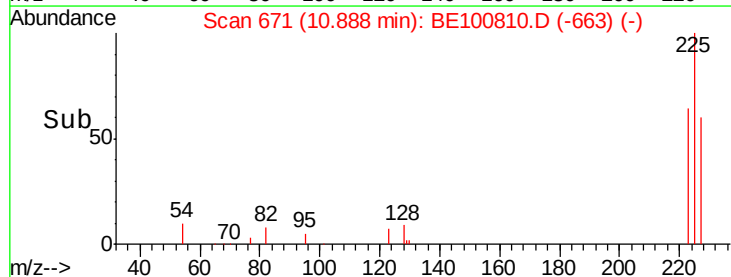
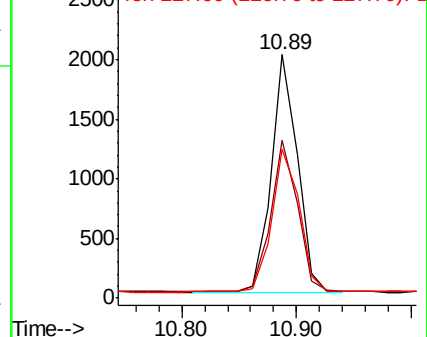
225 100

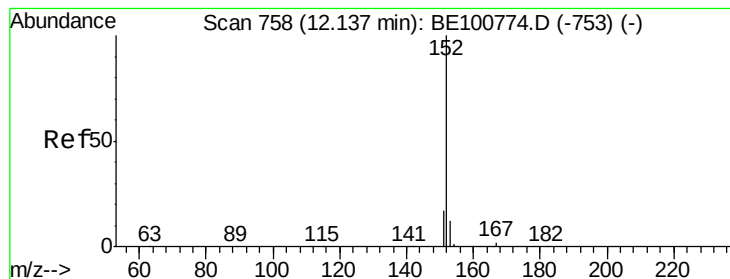
223 65.4 49.9 74.9

227 63.6 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: 0.546 ng

RT: 12.14 min Scan# 758

Delta R.T. 0.00 min

Lab File: BE100810.D

Acq: 10 Dec 2019 14:35

Instrument :

BNA_E

ClientSampleId :

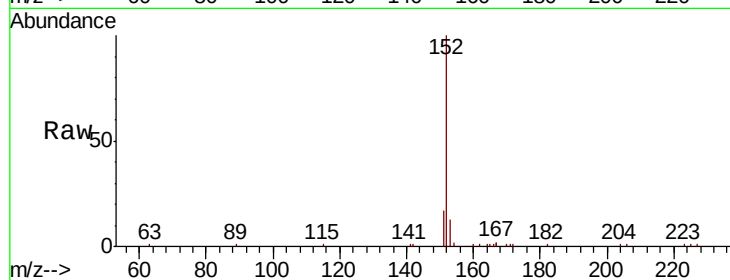
RE134D1-20191202MSD

Tot Ion:152 Resp: 19282

Ion Ratio Lower Upper

152 100

151 14.6 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

10000

8000

6000

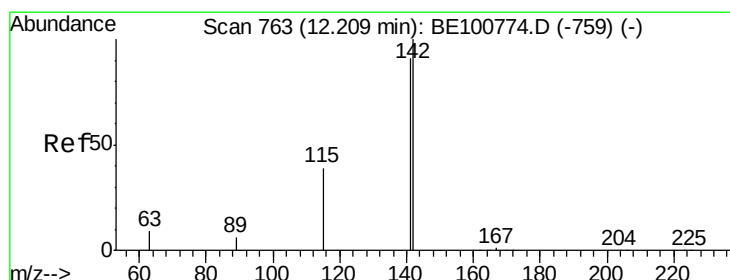
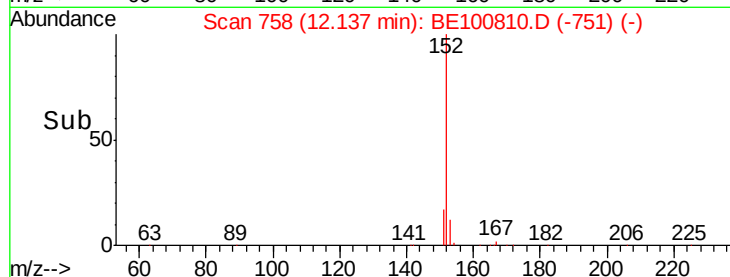
4000

2000

0

Time-->

12.00 12.10 12.20 12.30



#12

2-Methylnaphthalene

Concen: 0.389 ng

RT: 12.21 min Scan# 763

Delta R.T. 0.00 min

Lab File: BE100810.D

Acq: 10 Dec 2019 14:35

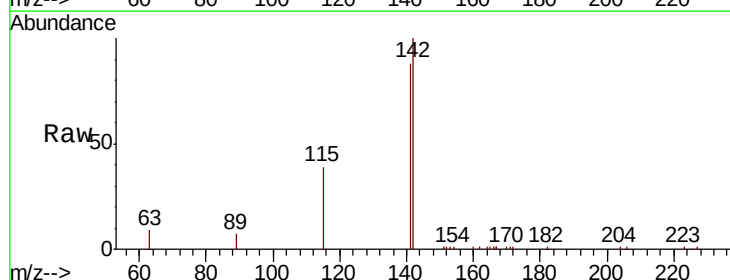
Tgt Ion:142 Resp: 15740

Ion Ratio Lower Upper

142 100

141 88.5 72.6 108.8

115 39.0 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

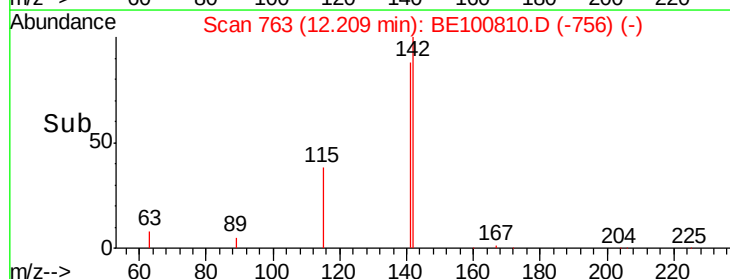
10000

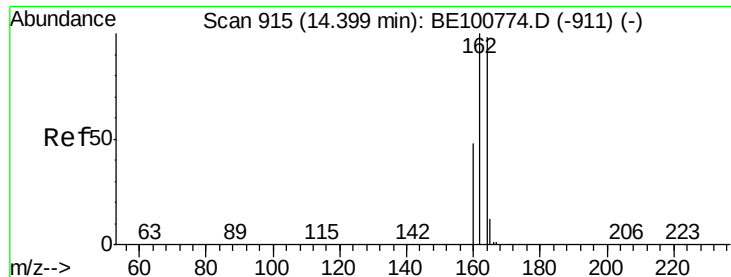
5000

0

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: BE100810.D

Acq: 10 Dec 2019 14:35

Instrument :

BNA_E

ClientSampleId :

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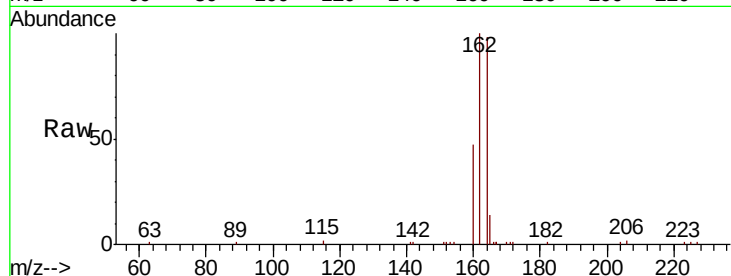
Tot Ion:164 Resp: 13299

Ion Ratio Lower Upper

164 100

162 102.2 81.4 122.0

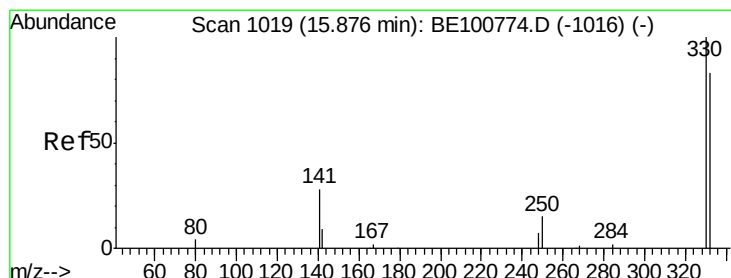
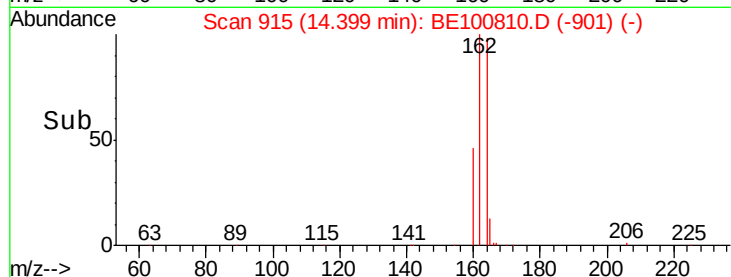
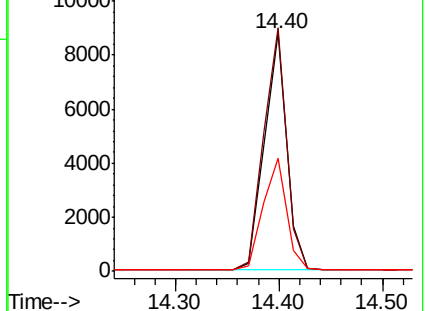
160 47.6 39.4 59.0



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: 0.824 ng

RT: 15.88 min Scan# 1019

Delta R.T. -0.00 min

Lab File: BE100810.D

Acq: 10 Dec 2019 14:35

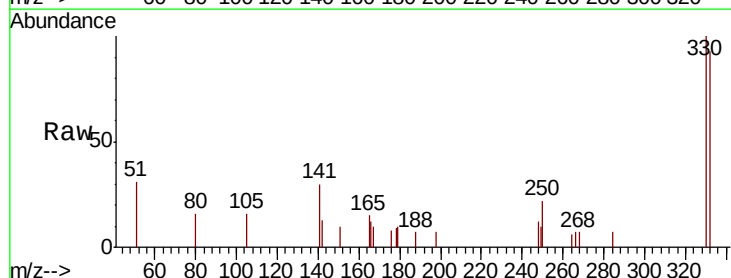
Tgt Ion:330 Resp: 1219

Ion Ratio Lower Upper

330 100

332 93.8 69.4 104.2

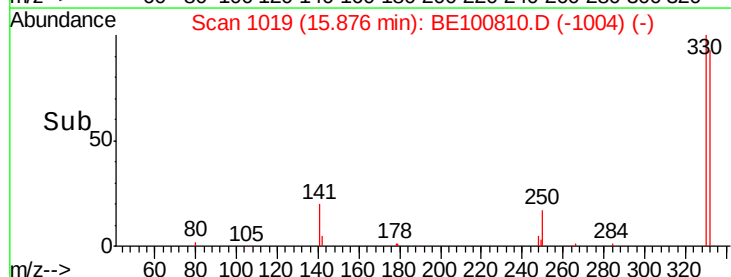
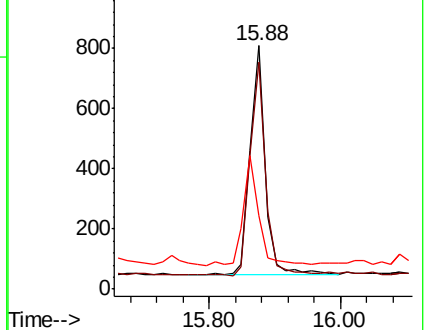
141 50.7 51.1 76.7#

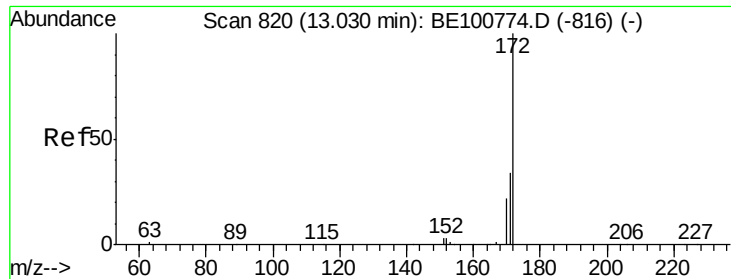


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

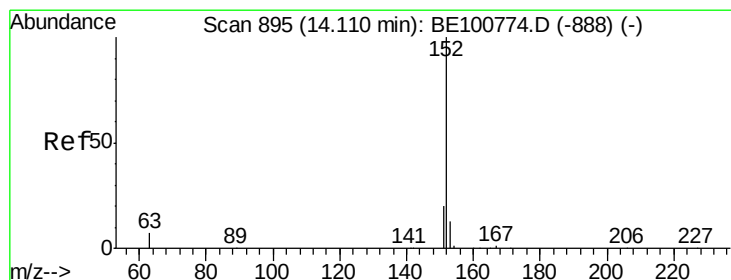
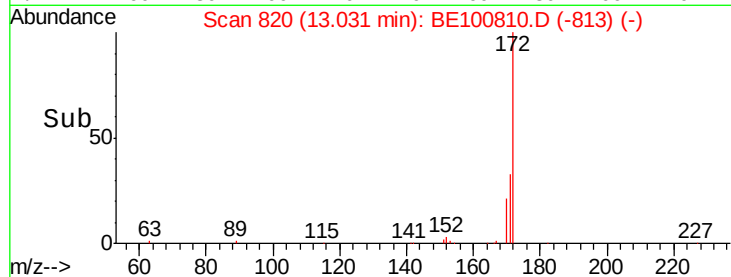
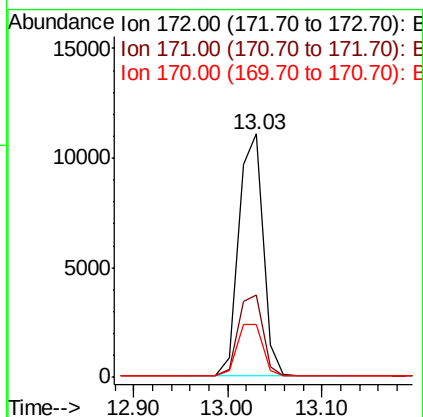
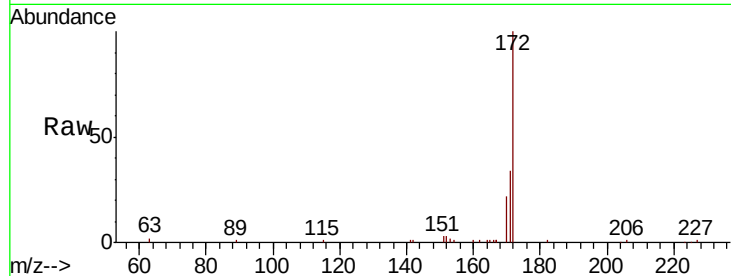




#15
2-Fluorobiphenyl
Concen: 0.379 ng
RT: 13.03 min Scan# 820
Delta R.T. 0.00 min
Lab File: BE100810.D
Acq: 10 Dec 2019 14:35

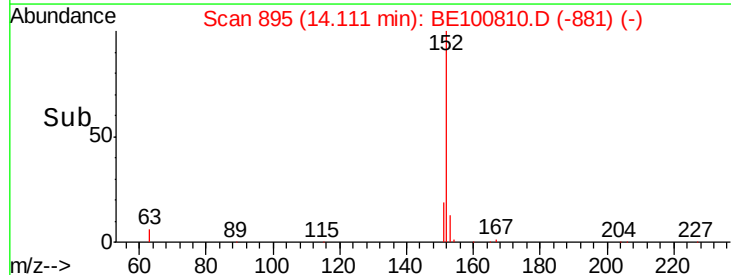
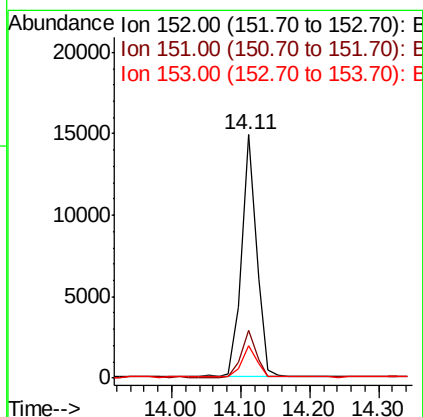
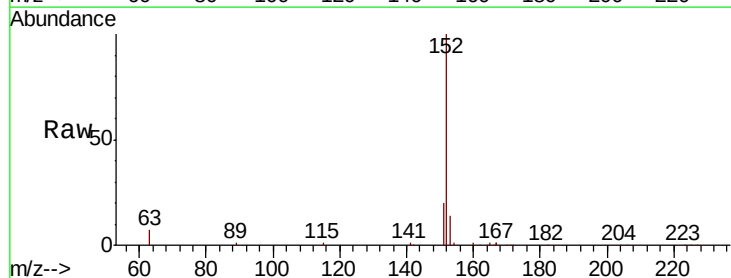
Instrument :
BNA_E
ClientSampleId :
RE134D1-20191202MSD

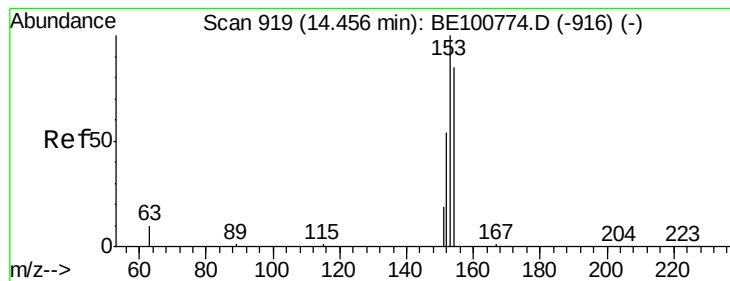
Tot Ion:172 Resp: 19978
Ion Ratio Lower Upper
172 100
171 33.6 27.2 40.8
170 21.6 18.0 27.0



#16
Acenaphthylene
Concen: 0.411 ng
RT: 14.11 min Scan# 895
Delta R.T. 0.00 min
Lab File: BE100810.D
Acq: 10 Dec 2019 14:35

Tgt Ion:152 Resp: 22628
Ion Ratio Lower Upper
152 100
151 19.3 15.8 23.6
153 13.5 10.4 15.6





#17

Acenaphthene

Concen: 0.393 ng

RT: 14.46 min Scan# 919

Delta R.T. 0.00 min

Lab File: BE100810.D

Acq: 10 Dec 2019 14:35

Instrument :

BNA_E

ClientSampleId :

RE134D1-20191202MSD

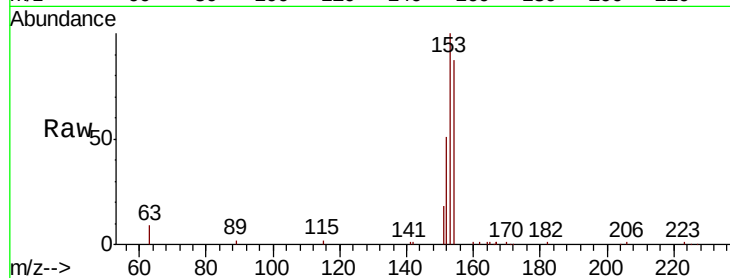
Tot Ion:154 Resp: 14886

Ion Ratio Lower Upper

154 100

153 114.9 92.2 138.2

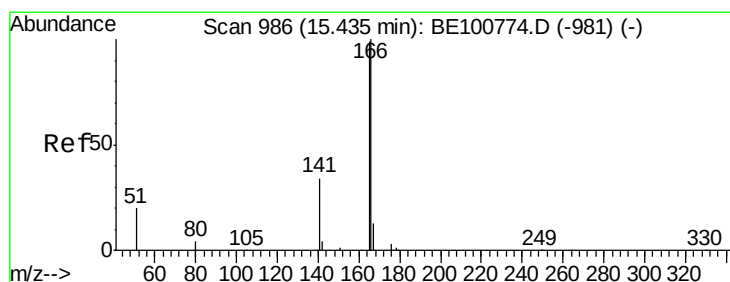
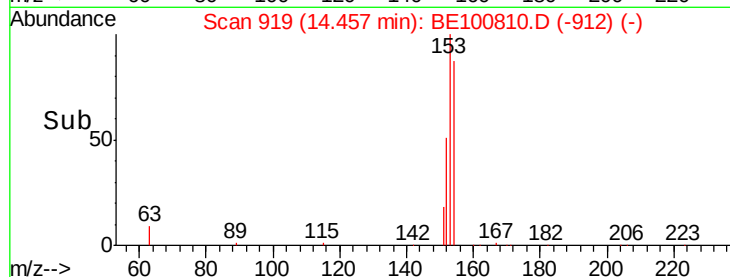
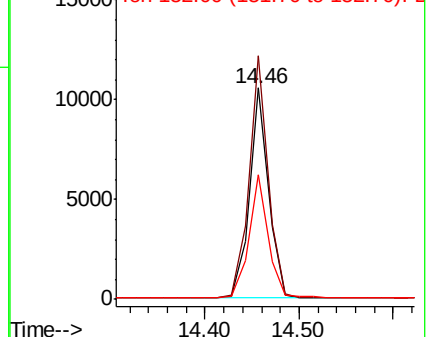
152 59.1 49.1 73.7



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: 0.400 ng

RT: 15.43 min Scan# 986

Delta R.T. -0.00 min

Lab File: BE100810.D

Acq: 10 Dec 2019 14:35

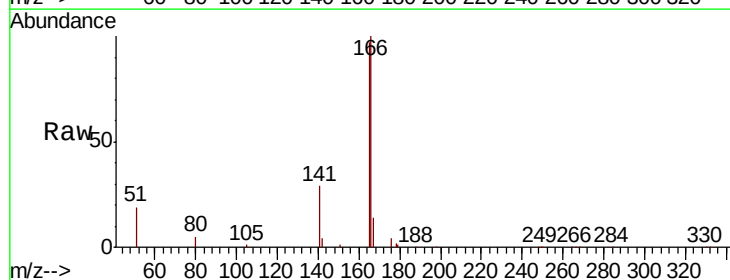
Tgt Ion:166 Resp: 19574

Ion Ratio Lower Upper

166 100

165 99.4 80.5 120.7

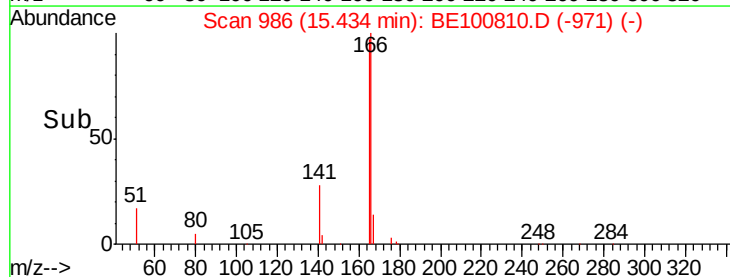
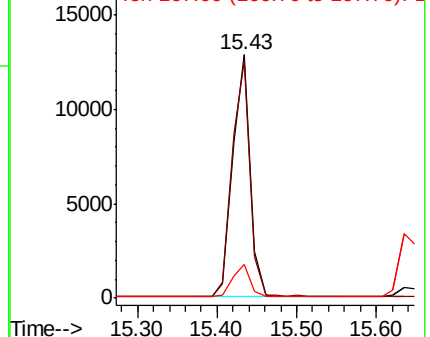
167 13.6 10.7 16.1

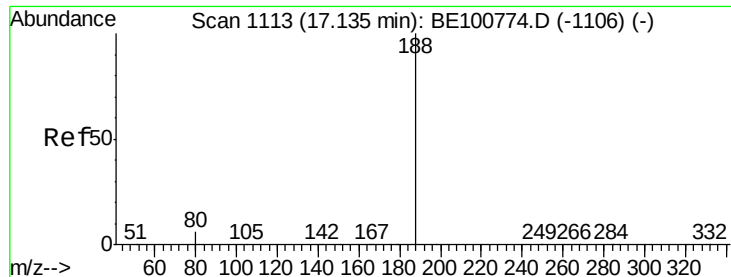


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE100810.D

Acq: 10 Dec 2019 14:35

Instrument :

BNA_E

ClientSampleId :

RE134D1-20191202MSD

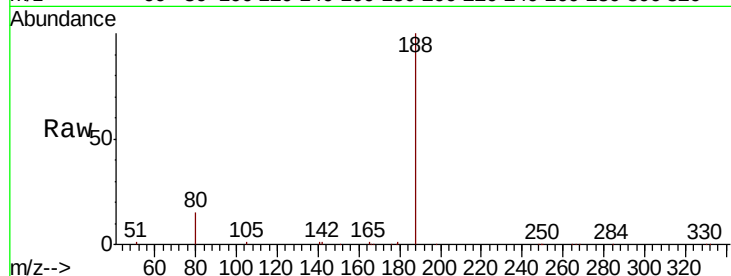
Tot Ion:188 Resp: 33362

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

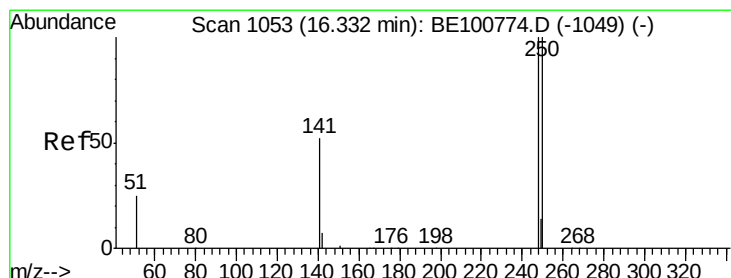
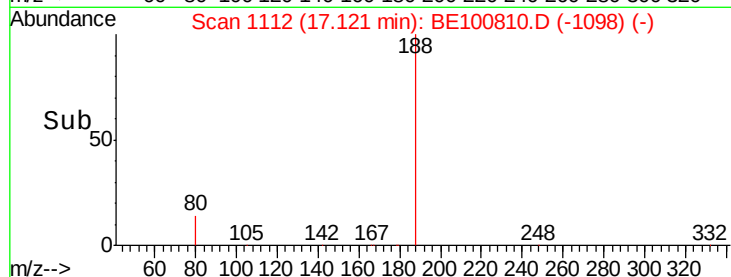
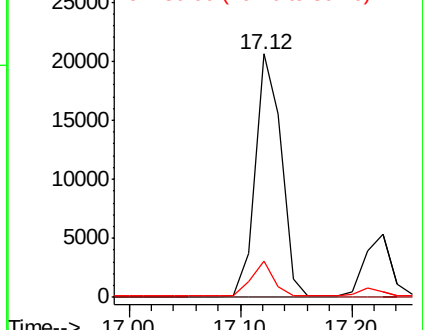
80 14.6 5.2 7.8#



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: 0.368 ng

RT: 16.33 min Scan# 1053

Delta R.T. -0.00 min

Lab File: BE100810.D

Acq: 10 Dec 2019 14:35

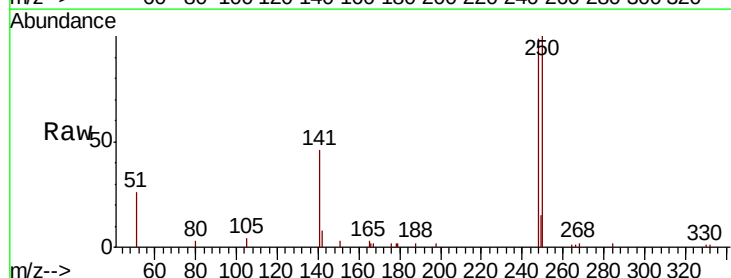
Tgt Ion:248 Resp: 6019

Ion Ratio Lower Upper

248 100

250 100.9 80.5 120.7

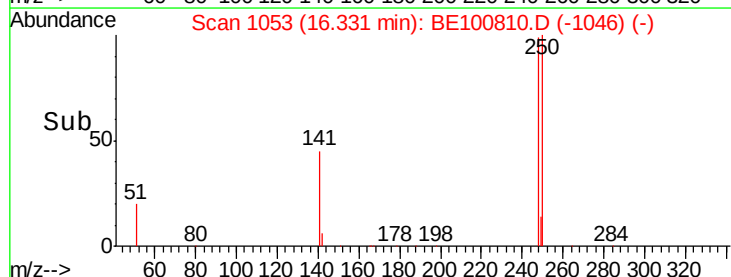
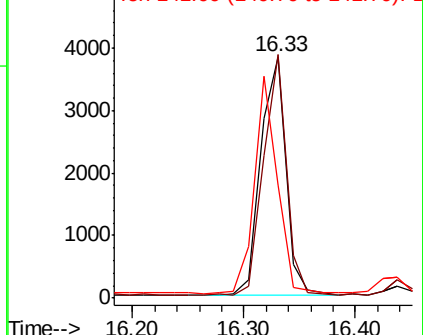
141 46.6 42.6 64.0

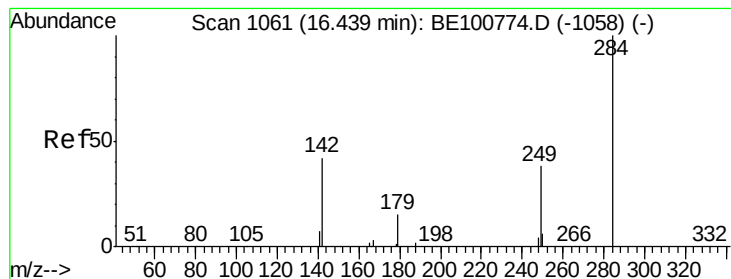


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.332 ng

RT: 16.44 min Scan# 1061

Delta R.T. -0.00 min

Lab File: BE100810.D

Acq: 10 Dec 2019 14:35

Instrument :

BNA_E

ClientSampleId :

RE134D1-20191202MSD

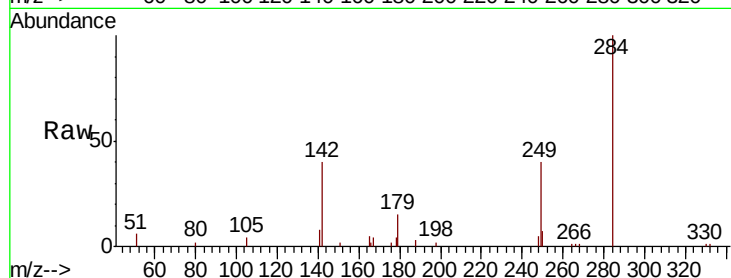
Tot Ion:284 Resp: 5908

Ion Ratio Lower Upper

284 100

142 44.2 34.4 51.6

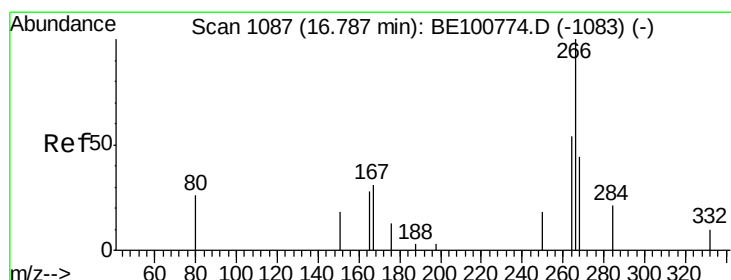
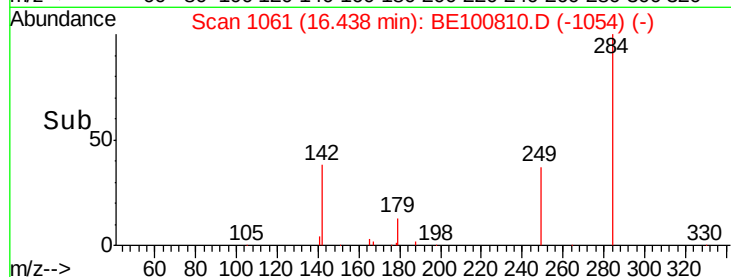
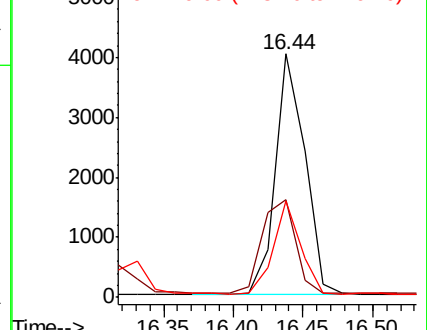
249 35.5 28.5 42.7



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: 1.482 ng

RT: 16.79 min Scan# 1087

Delta R.T. -0.00 min

Lab File: BE100810.D

Acq: 10 Dec 2019 14:35

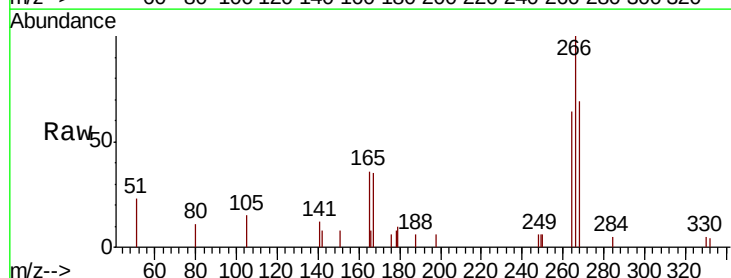
Tgt Ion:266 Resp: 1823

Ion Ratio Lower Upper

266 100

264 63.8 63.4 95.0

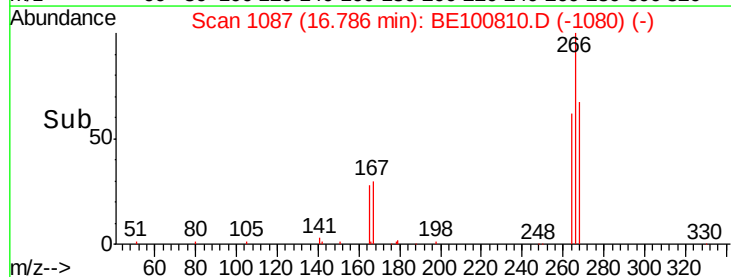
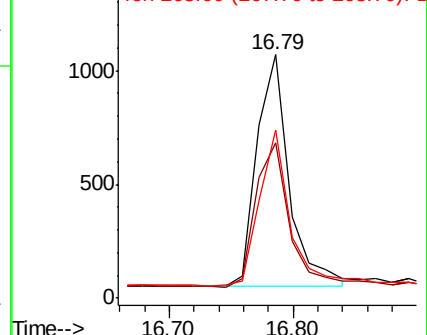
268 68.9 65.8 98.8

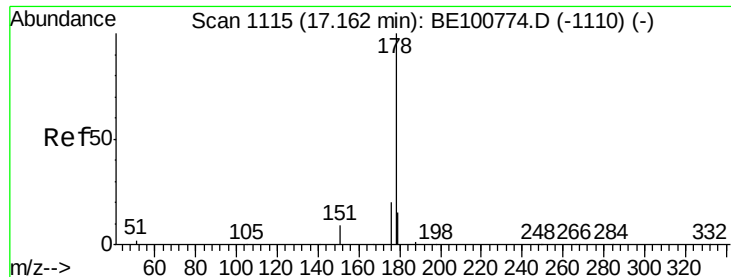


Abundance Ion 266.00 (265.70 to 266.70): E

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: BE100810.D

Acq: 10 Dec 2019 14:35

Instrument :

BNA_E

ClientSampleId :

RE134D1-20191202MSD

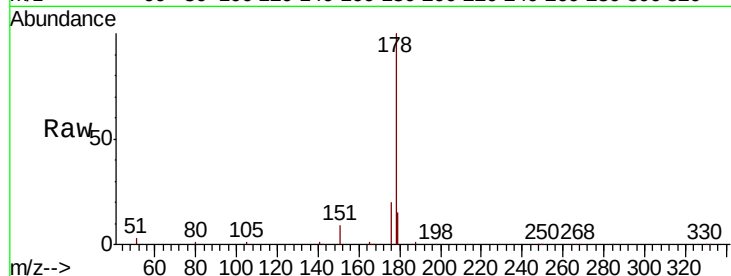
Tot Ion:178 Resp: 38306

Ion Ratio Lower Upper

178 100

176 19.2 15.5 23.3

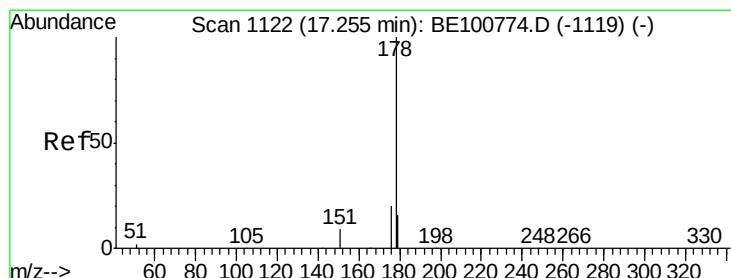
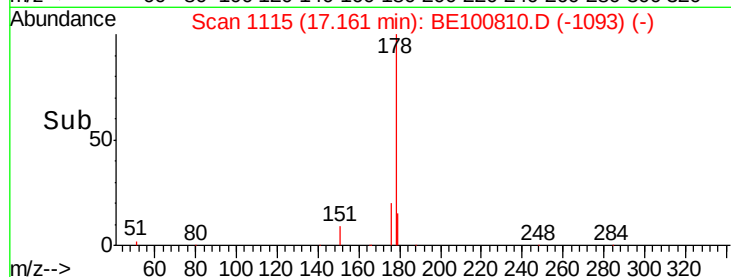
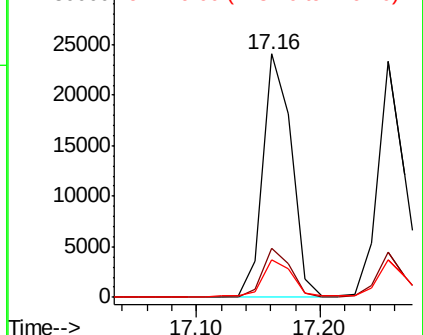
179 15.4 12.3 18.5



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: 0.401 ng

RT: 17.25 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE100810.D

Acq: 10 Dec 2019 14:35

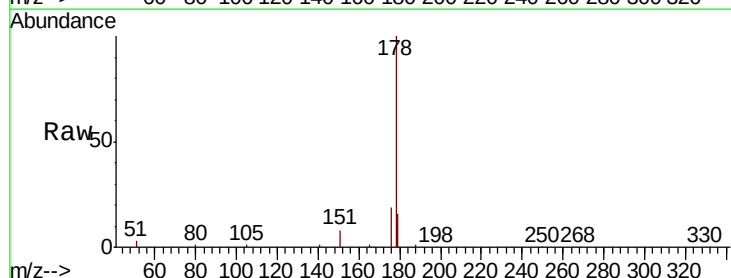
Tgt Ion:178 Resp: 33894

Ion Ratio Lower Upper

178 100

176 18.7 15.4 23.2

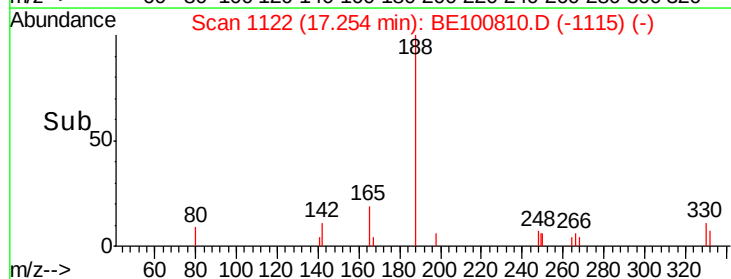
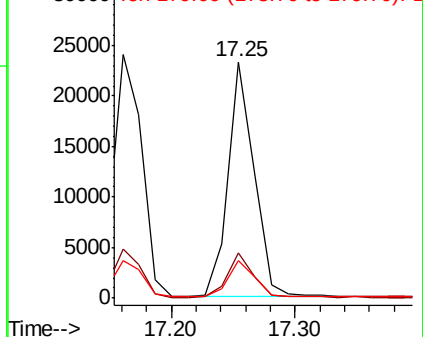
179 15.8 12.7 19.1

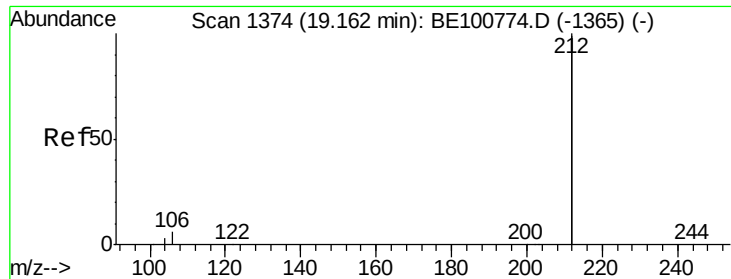


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.404 ng

RT: 19.16 min Scan# 1374

Delta R.T. -0.00 min

Lab File: BE100810.D

Acq: 10 Dec 2019 14:35

Instrument :

BNA_E

ClientSampleId :

RE134D1-20191202MSD

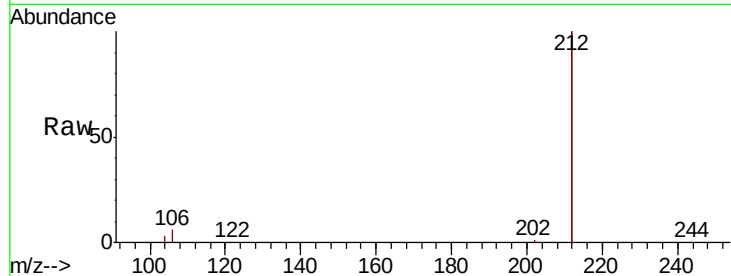
Tot Ion:212 Resp: 159470

Ion Ratio Lower Upper

212 100

106 3.3 2.6 3.8

104 1.9 1.4 2.2

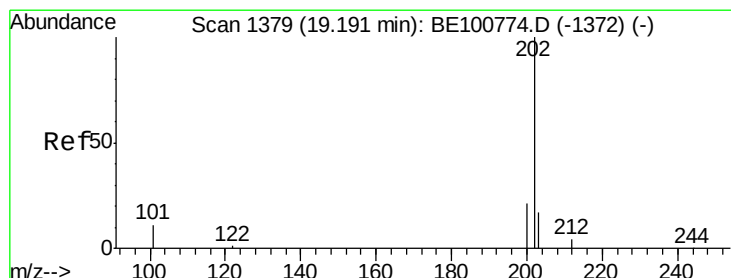
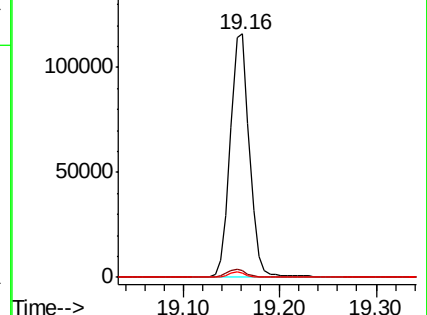
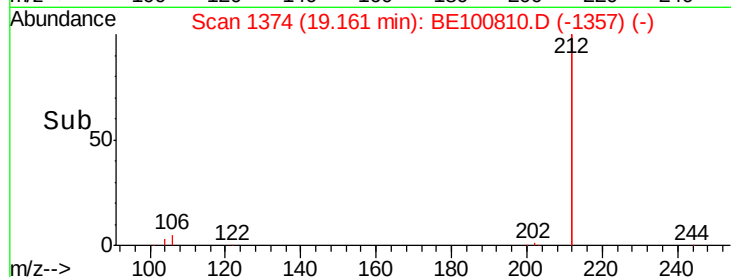


Abundance

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: 0.373 ng

RT: 19.19 min Scan# 1379

Delta R.T. -0.00 min

Lab File: BE100810.D

Acq: 10 Dec 2019 14:35

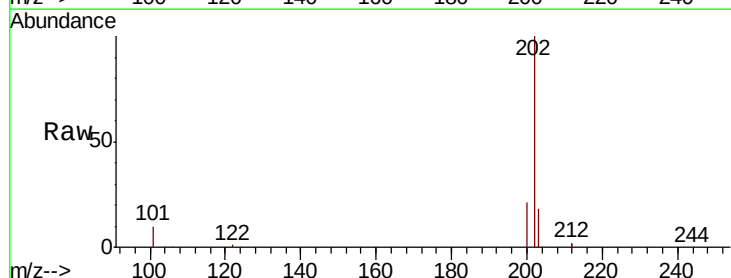
Tgt Ion:202 Resp: 45029

Ion Ratio Lower Upper

202 100

101 11.7 9.1 13.7

203 17.2 13.8 20.6

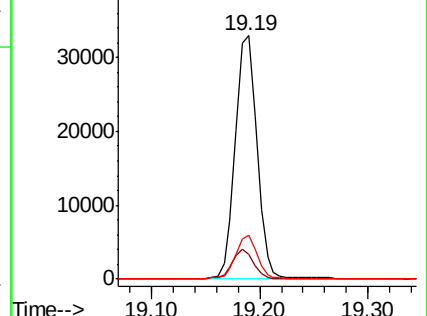
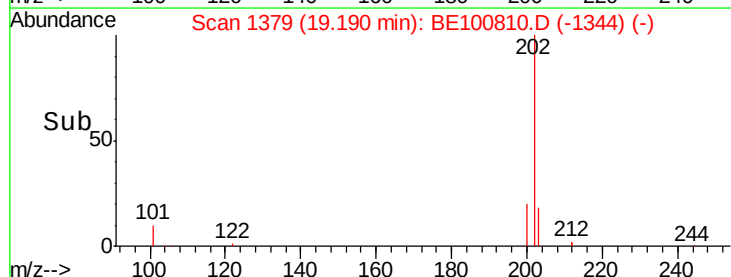


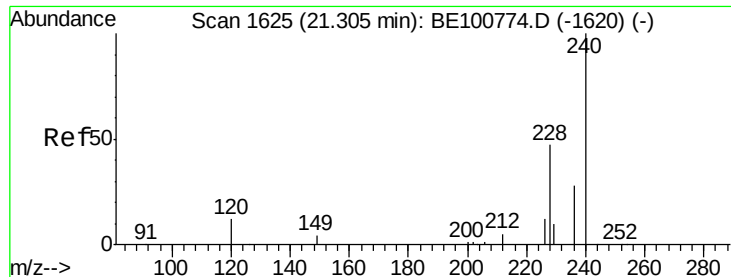
Abundance

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

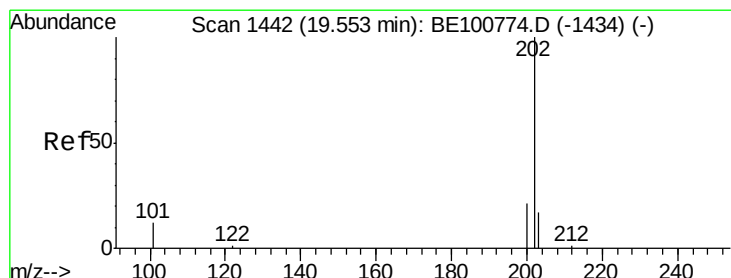
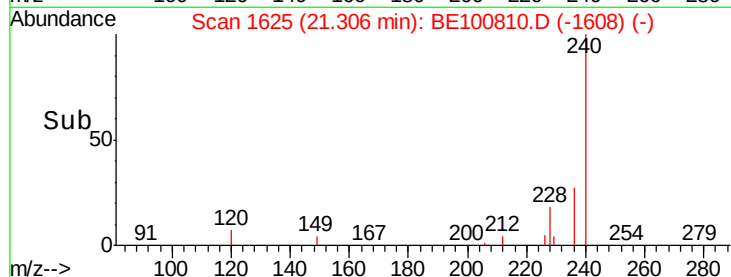
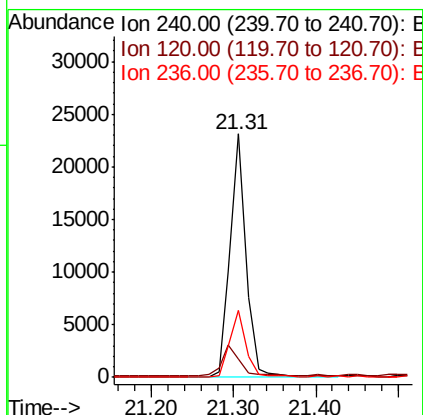
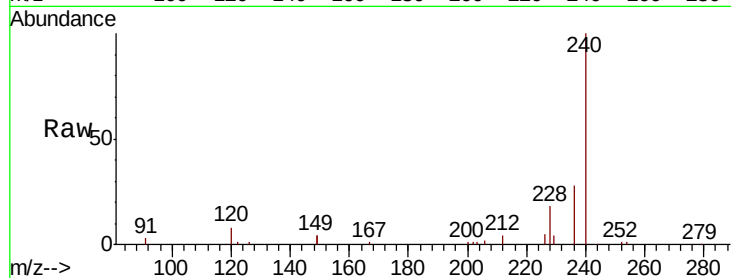




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.31 min Scan# 1625
Delta R.T. 0.00 min
Lab File: BE100810.D
Acq: 10 Dec 2019 14:35

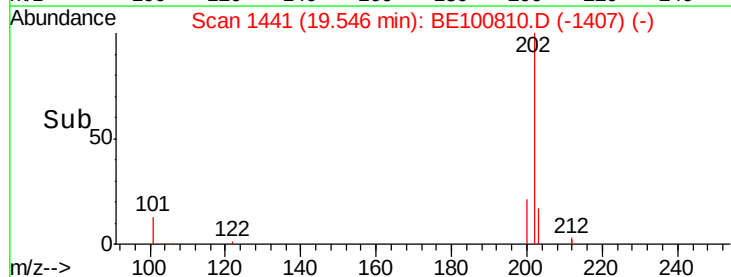
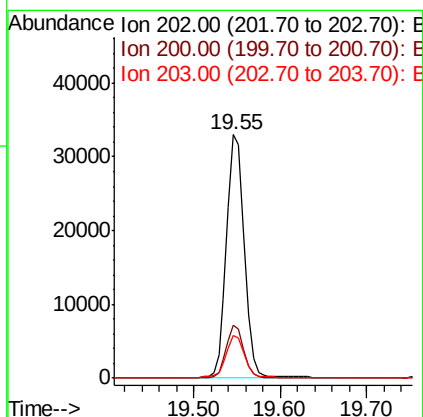
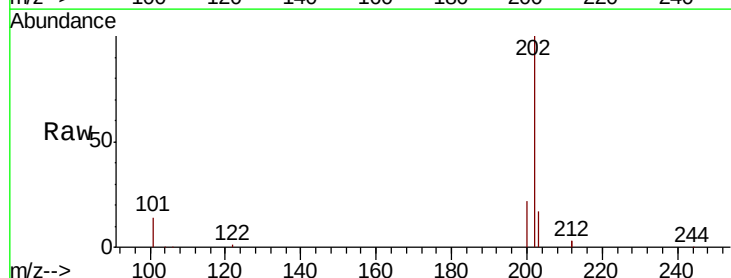
Instrument :
BNA_E
ClientSampleId :
RE134D1-20191202MSD

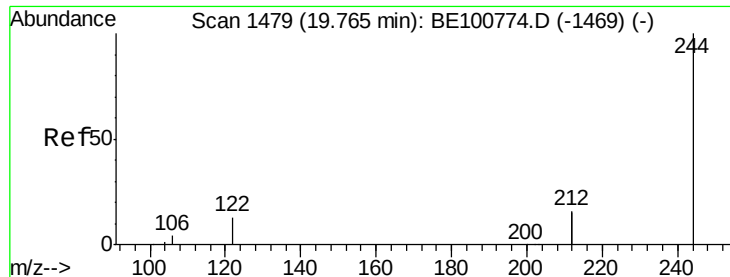
Tot Ion:240 Resp: 30932
Ion Ratio Lower Upper
240 100
120 7.7 10.2 15.2#
236 27.7 22.3 33.5



#28
Pyrene
Concen: 0.463 ng
RT: 19.55 min Scan# 1441
Delta R.T. -0.01 min
Lab File: BE100810.D
Acq: 10 Dec 2019 14:35

Tgt Ion:202 Resp: 46497
Ion Ratio Lower Upper
202 100
200 21.1 17.0 25.4
203 17.8 13.9 20.9





#29

Terphenyl-d14

Concen: 0.426 ng

RT: 19.76 min Scan# 1479

Delta R.T. -0.00 min

Lab File: BE100810.D

Acq: 10 Dec 2019 14:35

Instrument :

BNA_E

ClientSampleId :

RE134D1-20191202MSD

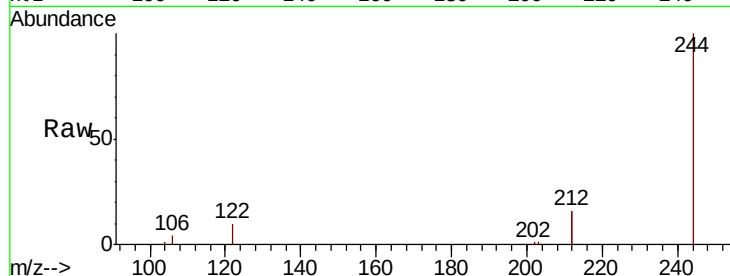
Tot Ion:244 Resp: 31557

Ion Ratio Lower Upper

244 100

212 31.8 26.2 39.4

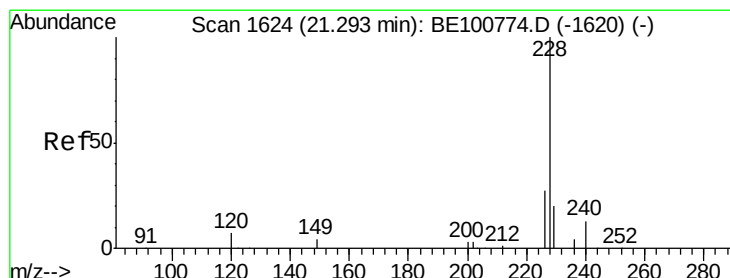
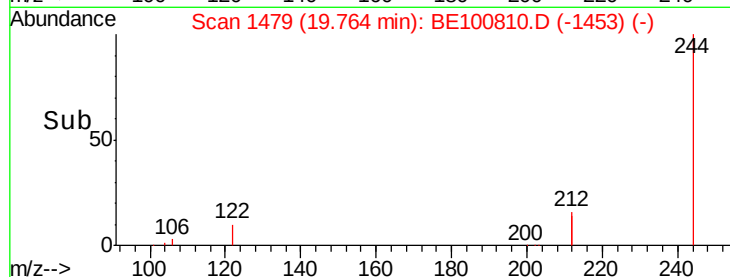
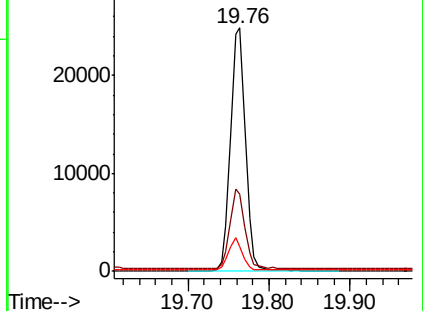
122 10.1 10.2 15.4#



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: 0.458 ng

RT: 21.29 min Scan# 1624

Delta R.T. 0.00 min

Lab File: BE100810.D

Acq: 10 Dec 2019 14:35

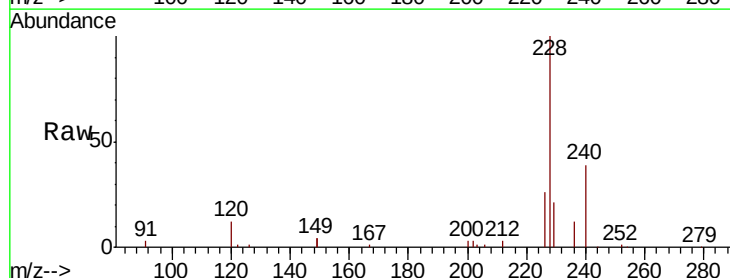
Tgt Ion:228 Resp: 41745

Ion Ratio Lower Upper

228 100

226 25.9 21.5 32.3

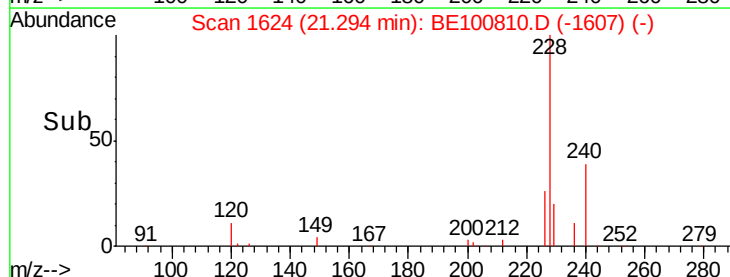
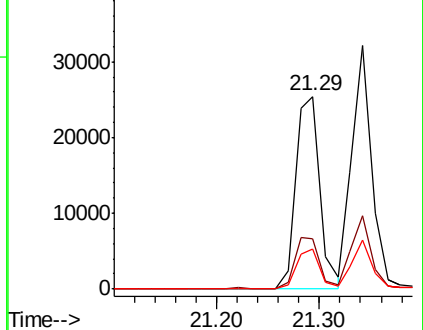
229 20.6 16.0 24.0

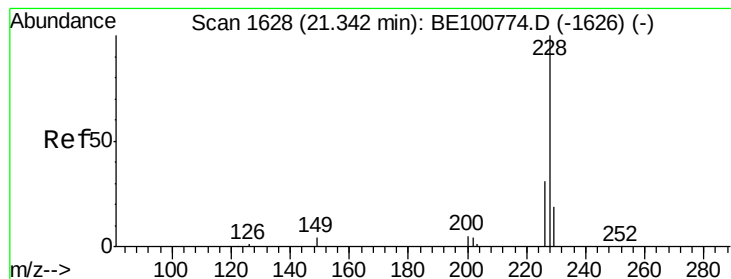


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.396 ng

RT: 21.34 min Scan# 1628

Delta R.T. 0.00 min

Lab File: BE100810.D

Acq: 10 Dec 2019 14:35

Instrument :

BNA_E

ClientSampleId :

RE134D1-20191202MSD

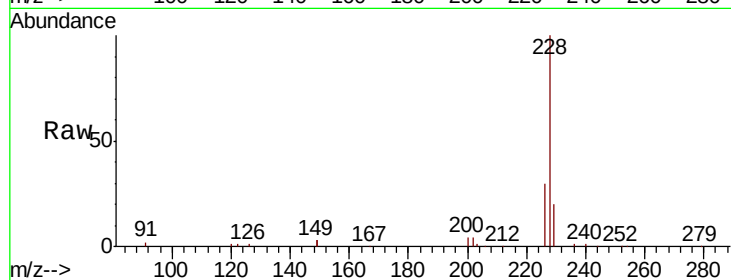
Tot Ion:228 Resp: 42427

Ion Ratio Lower Upper

228 100

226 29.9 25.0 37.4

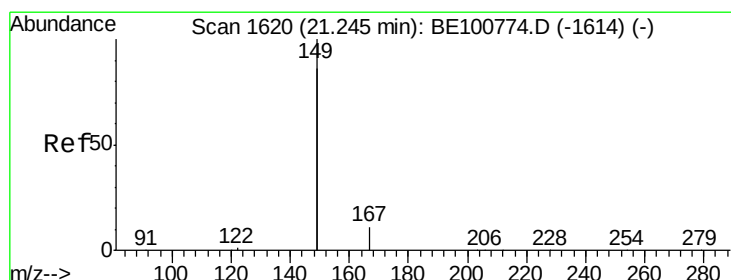
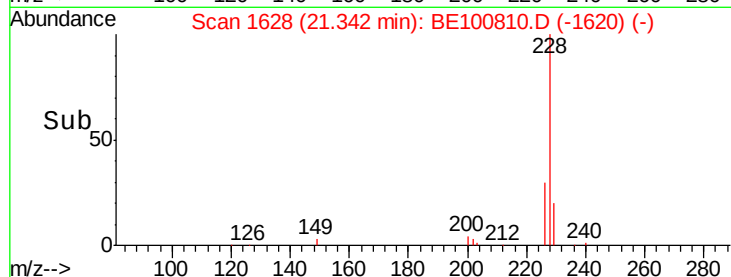
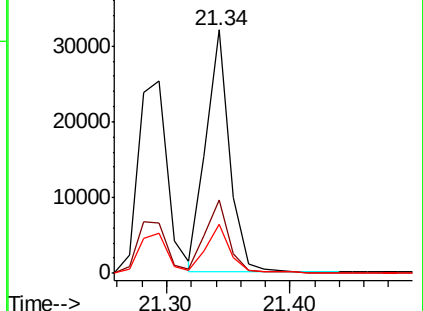
229 19.9 15.4 23.2



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: 1.024 ng

RT: 21.25 min Scan# 1620

Delta R.T. 0.00 min

Lab File: BE100810.D

Acq: 10 Dec 2019 14:35

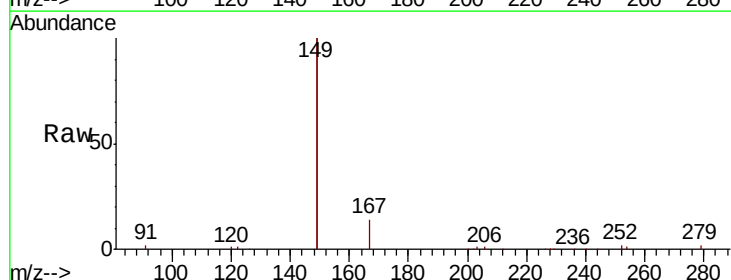
Tgt Ion:149 Resp: 72097

Ion Ratio Lower Upper

149 100

167 6.3 5.0 7.6

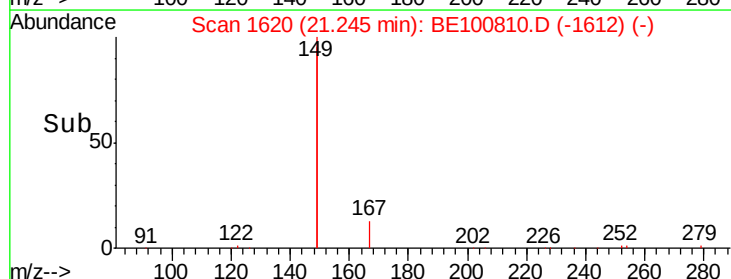
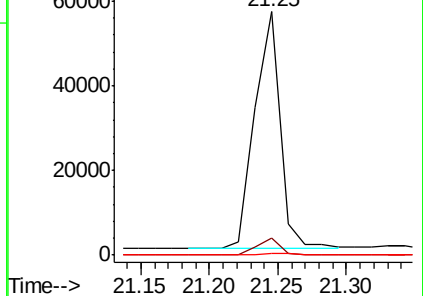
279 0.8 0.7 1.1

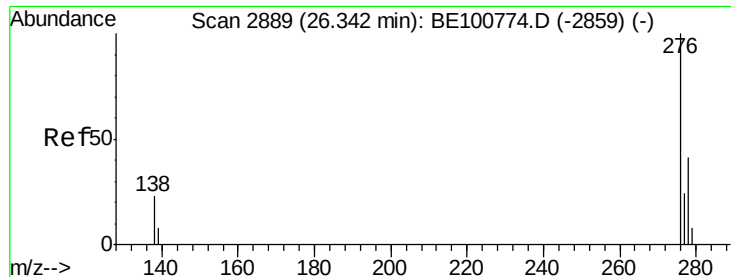


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.429 ng

RT: 26.32 min Scan# 2883

Delta R.T. -0.02 min

Lab File: BE100810.D

Acq: 10 Dec 2019 14:35

Instrument :

BNA_E

ClientSampleId :

RE134D1-20191202MSD

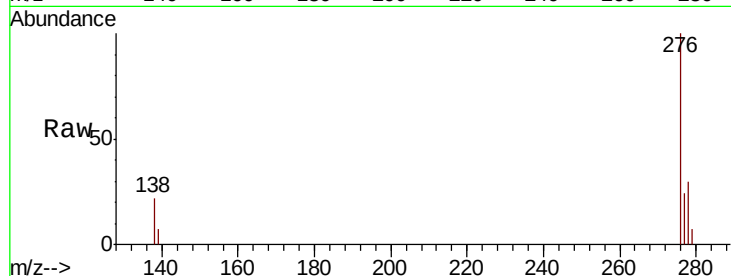
Tot Ion:276 Resp: 40039

Ion Ratio Lower Upper

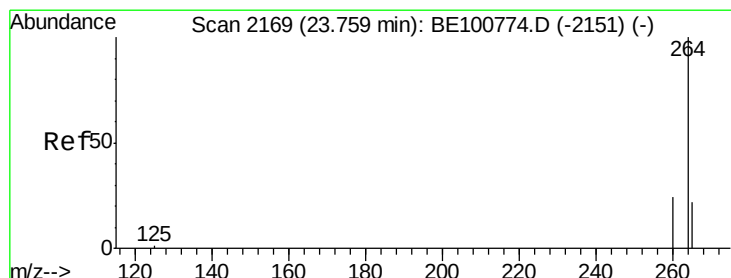
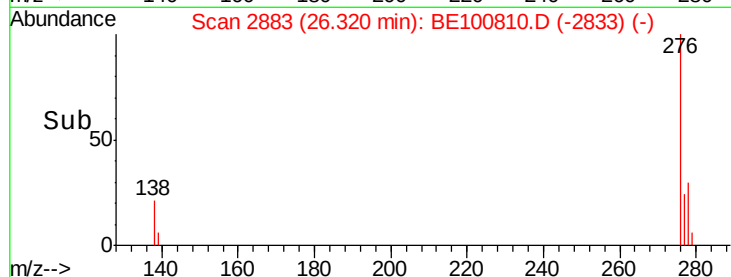
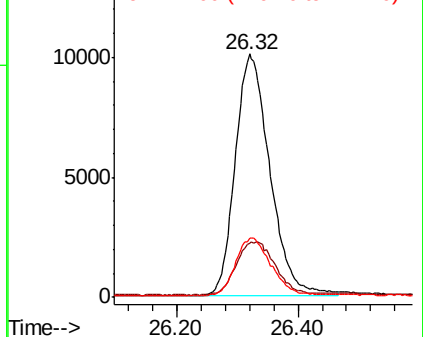
276 100

138 24.8 19.4 29.0

277 24.3 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# 2166

Delta R.T. -0.01 min

Lab File: BE100810.D

Acq: 10 Dec 2019 14:35

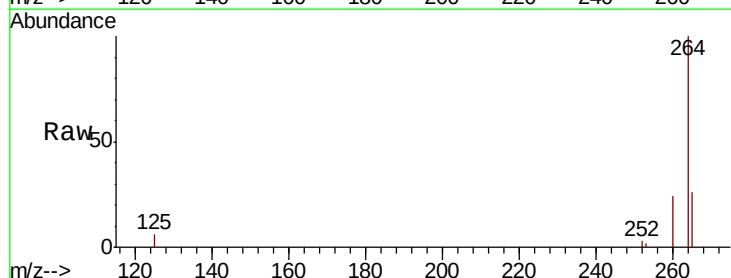
Tgt Ion:264 Resp: 37088

Ion Ratio Lower Upper

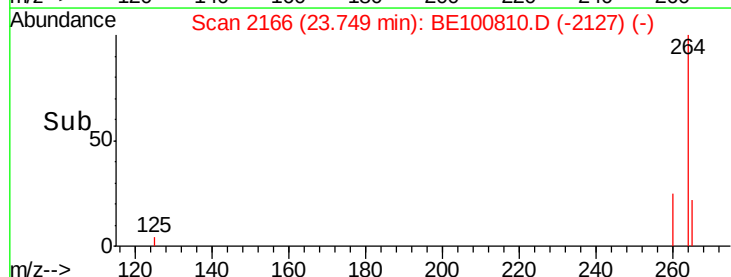
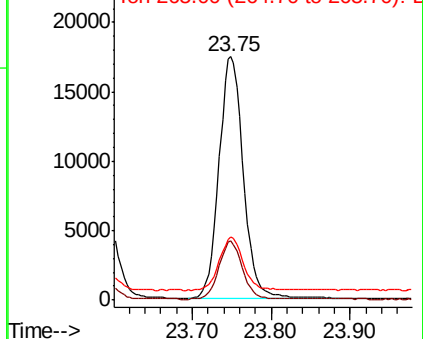
264 100

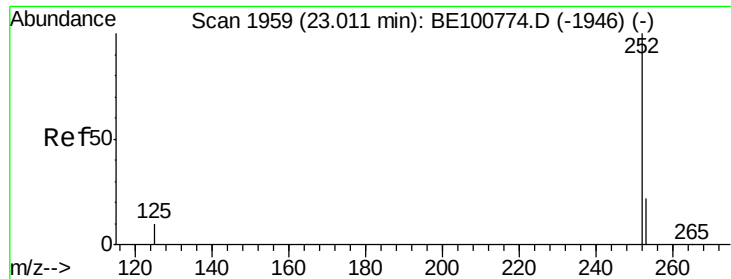
260 24.3 19.4 29.2

265 25.8 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: 0.402 ng

RT: 23.00 min Scan# 1957

Delta R.T. -0.01 min

Lab File: BE100810.D

Acq: 10 Dec 2019 14:35

Instrument :

BNA_E

ClientSampleId :

RE134D1-20191202MSD

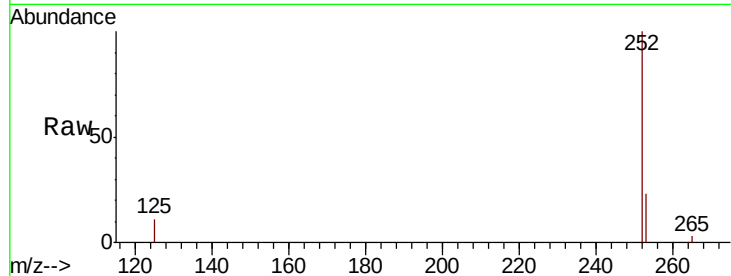
Tot Ion:252 Resp: 40795

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.8

125 10.8 9.0 13.4

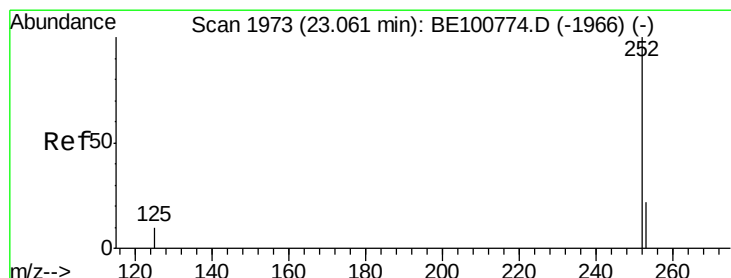
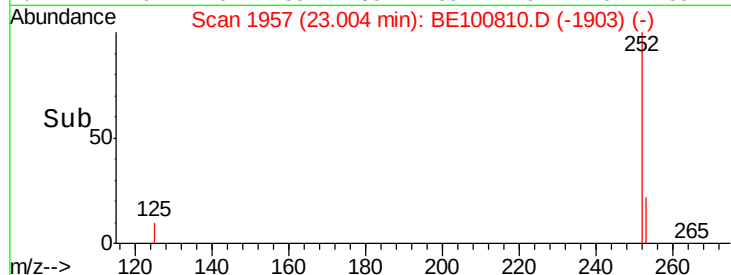
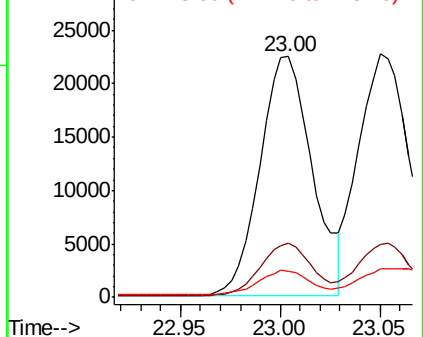


Abundance

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: 0.372 ng

RT: 23.05 min Scan# 1970

Delta R.T. -0.01 min

Lab File: BE100810.D

Acq: 10 Dec 2019 14:35

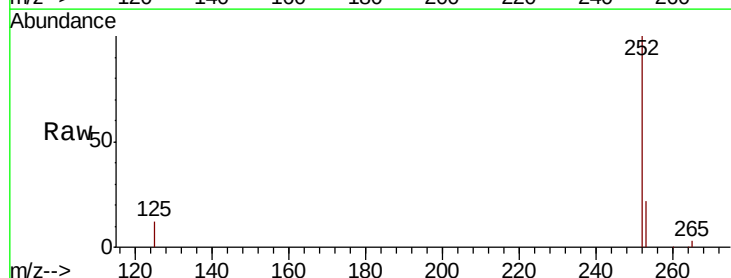
Tgt Ion:252 Resp: 42305

Ion Ratio Lower Upper

252 100

253 21.7 17.8 26.8

125 11.7 8.7 13.1

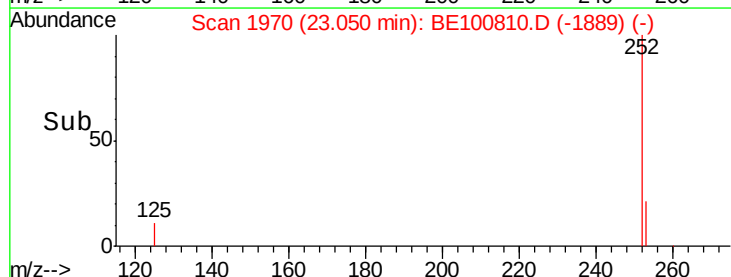
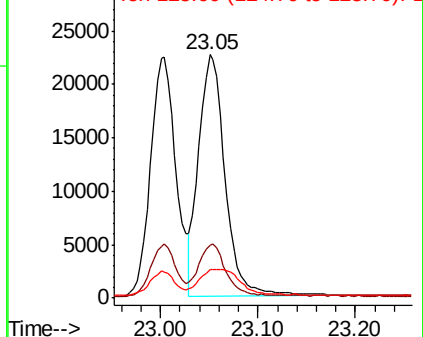


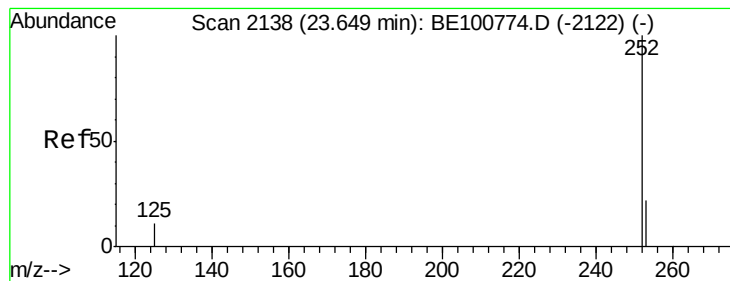
Abundance

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: 0.408 ng

RT: 23.64 min Scan# 2135

Delta R.T. -0.01 min

Lab File: BE100810.D

Acq: 10 Dec 2019 14:35

Instrument :

BNA_E

ClientSampleId :

RE134D1-20191202MSD

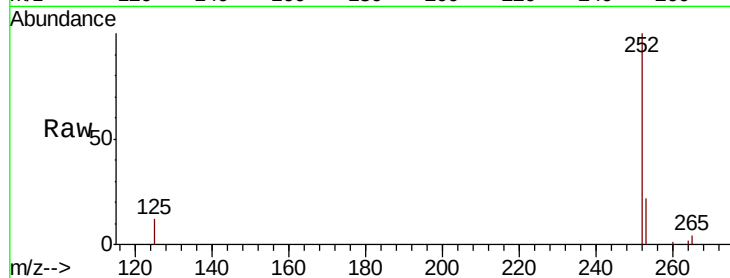
Tot Ion:252 Resp: 35869

Ion Ratio Lower Upper

252 100

253 22.4 18.2 27.4

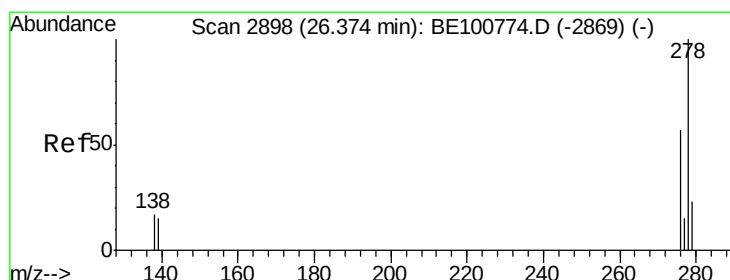
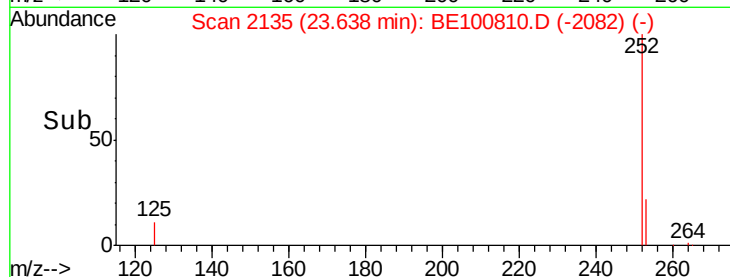
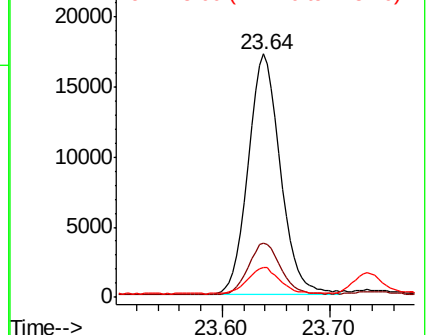
125 12.3 10.4 15.6



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: 0.386 ng

RT: 26.35 min Scan# 2892

Delta R.T. -0.02 min

Lab File: BE100810.D

Acq: 10 Dec 2019 14:35

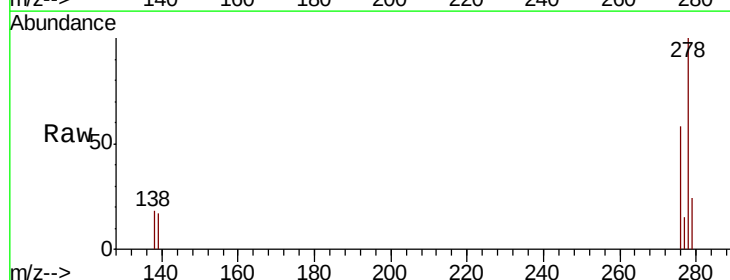
Tgt Ion:278 Resp: 33718

Ion Ratio Lower Upper

278 100

139 17.1 13.0 19.4

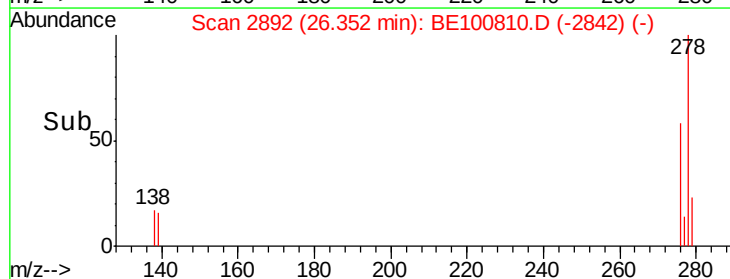
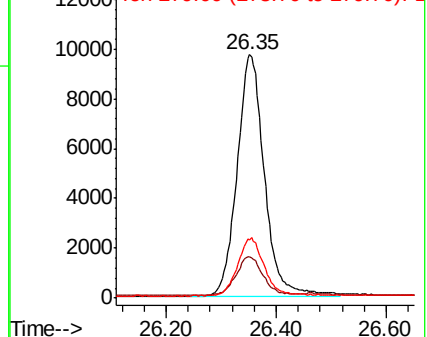
279 24.0 19.6 29.4

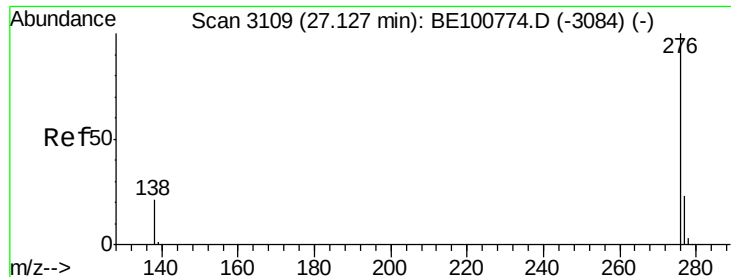


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.311 ng

RT: 27.11 min Scan# 3104

Delta R.T. -0.02 min

Lab File: BE100810.D

Acq: 10 Dec 2019 14:35

Instrument :

BNA_E

ClientSampleId :

RE134D1-20191202MSD

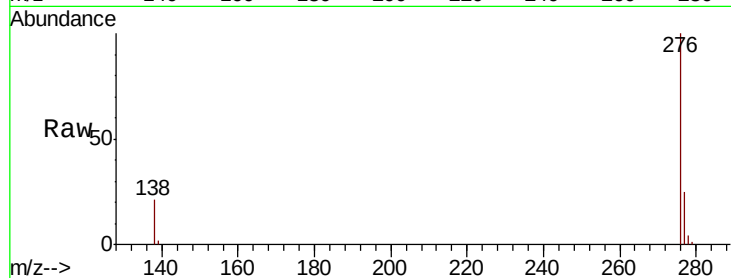
Tot Ion: 276 Resp: 29118

Ion Ratio Lower Upper

276 100

277 24.7 19.3 28.9

138 21.4 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

