

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE072319\
 Data File : BE100499.D
 Acq On : 23 Jul 2019 13:39
 Operator : HP/JU
 Sample : PB121558BSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB121558BSD

Quant Time: Jul 24 02:06:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE072219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 23 08:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	2871	0.40	ng	0.00
7) Naphthalene-d8	10.67	136	11156	0.40	ng	0.00
13) Acenaphthene-d10	14.50	164	5939	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	13317	0.40	ng	0.00
27) Chrysene-d12	21.38	240	16829	0.40	ng	0.00
34) Perylene-d12	23.85	264	21694	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.46	112	2770	0.40	ng	0.00
5) Phenol-d6	7.03	99	3710	0.37	ng	0.00
8) Nitrobenzene-d5	9.02	82	2981	0.32	ng	0.00
11) 2-Methylnaphthalene-d10	12.25	152	8076	0.44	ng	0.00
14) 2,4,6-Tribromophenol	15.97	330	808	0.31	ng	0.00
15) 2-Fluorobiphenyl	13.13	172	7526	0.31	ng	0.00
25) Fluoranthene-d10	19.24	212	51553	0.28	ng	0.00
29) Terphenyl-d14	19.83	244	9210	0.22	ng	0.00

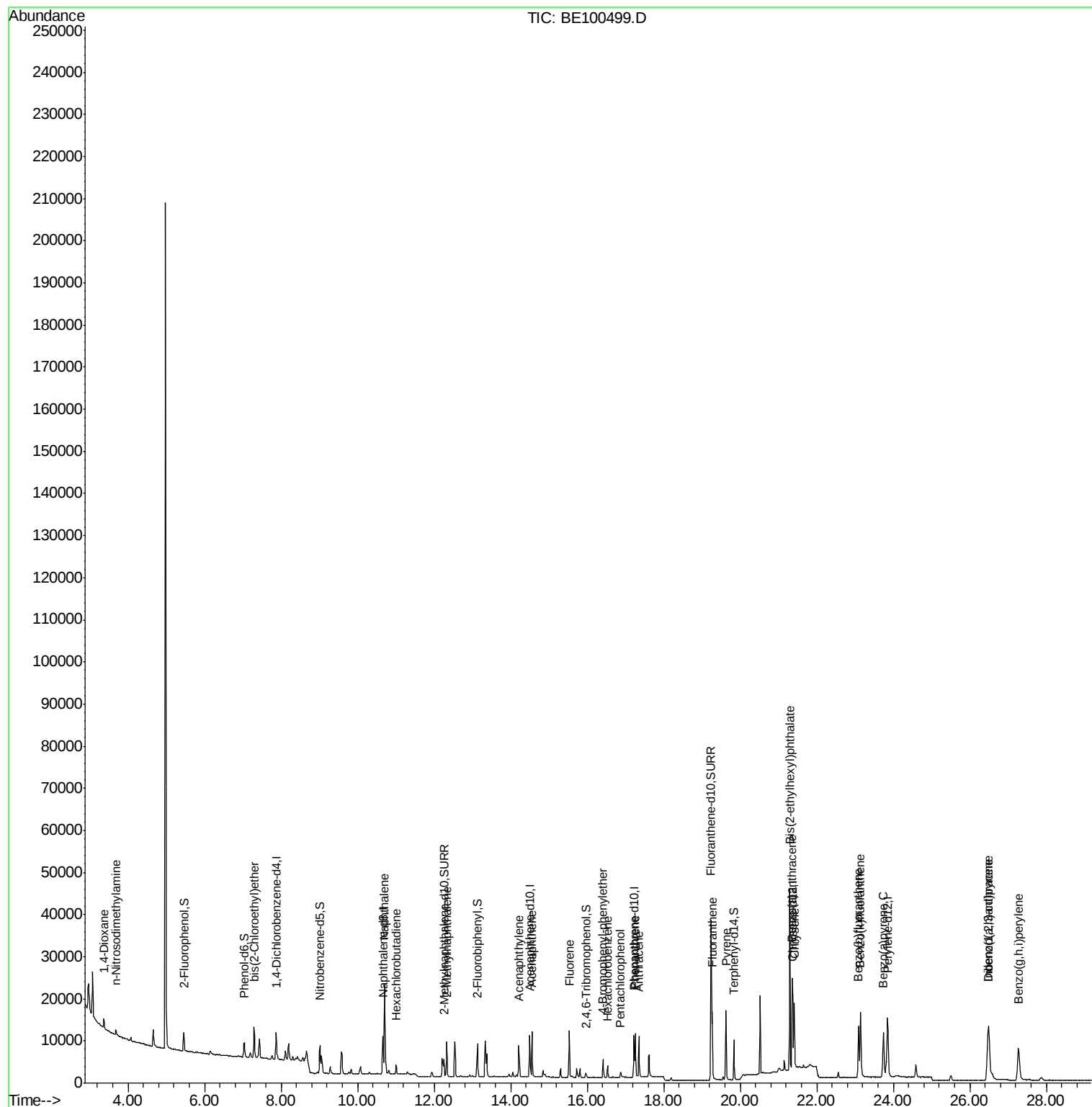
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.36	88	1499	0.297	ng	# 69
3) n-Nitrosodimethylamine	3.68	42	945	0.360	ng	# 88
6) bis(2-Chloroethyl)ether	7.29	93	2964	0.345	ng	95
9) Naphthalene	10.70	128	35482	0.331	ng	100
10) Hexachlorobutadiene	11.00	225	1664	0.325	ng	98
12) 2-Methylnaphthalene	12.32	142	6050	0.314	ng	99
16) Acenaphthylene	14.21	152	8754	0.319	ng	99
17) Acenaphthene	14.56	154	5332	0.323	ng	99
18) Fluorene	15.53	166	6846	0.311	ng	100
20) 4-Bromophenyl-phenylether	16.41	248	2191	0.346	ng	# 75
21) Hexachlorobenzene	16.53	284	2210	0.339	ng	98
22) Pentachlorophenol	16.87	266	858	0.400	ng	94
23) Phenanthrene	17.25	178	10964	0.336	ng	100
24) Anthracene	17.35	178	10142	0.326	ng	99
26) Fluoranthene	19.27	202	14457	0.308	ng	100
28) Pyrene	19.63	202	15368	0.293	ng	99
30) Benzo(a)anthracene	21.35	228	15853	0.309	ng	97
31) Chrysene	21.42	228	15814	0.312	ng	97
32) Bis(2-ethylhexyl)phthalate	21.29	149	42305	0.359	ng	99
33) Indeno(1,2,3-cd)pyrene	26.47	276	22817	0.413	ng	99
35) Benzo(b)fluoranthene	23.09	252	18543	0.312	ng	# 97
36) Benzo(k)fluoranthene	23.14	252	21032	0.338	ng	# 90
37) Benzo(a)pyrene	23.74	252	19837	0.344	ng	# 94
38) Dibenzo(a,h)anthracene	26.50	278	19024	0.349	ng	# 95
39) Benzo(g,h,i)perylene	27.27	276	19753	0.354	ng	97

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.87 min Scan# 435

Delta R.T. -0.00 min

Lab File: BE100499.D

Acq: 23 Jul 2019 13:39

Instrument :

BNA_E

ClientSampleId :

PB121558BSD

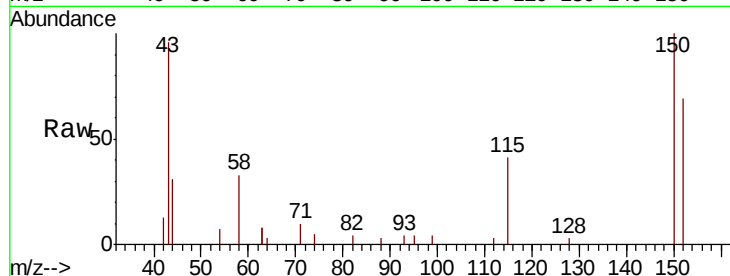
Tgt Ion:152 Resp: 2871

Ion Ratio Lower Upper

152 100

150 145.9 115.0 172.6

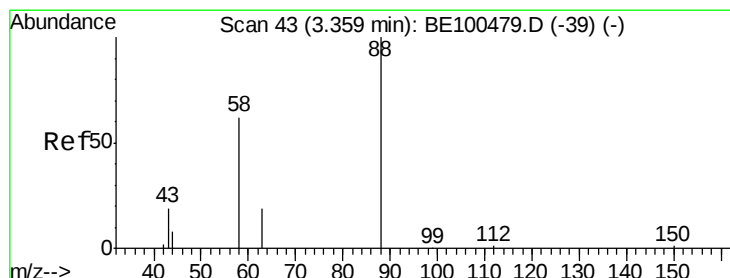
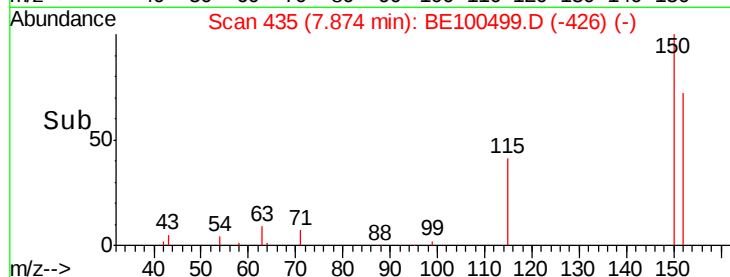
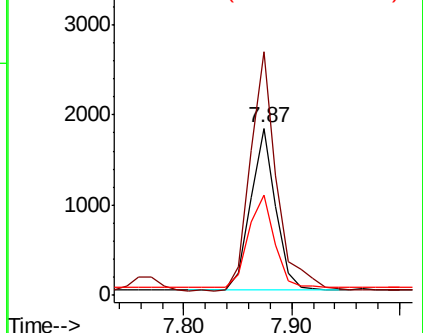
115 60.3 52.9 79.3



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: 0.297 ng

RT: 3.36 min Scan# 43

Delta R.T. -0.00 min

Lab File: BE100499.D

Acq: 23 Jul 2019 13:39

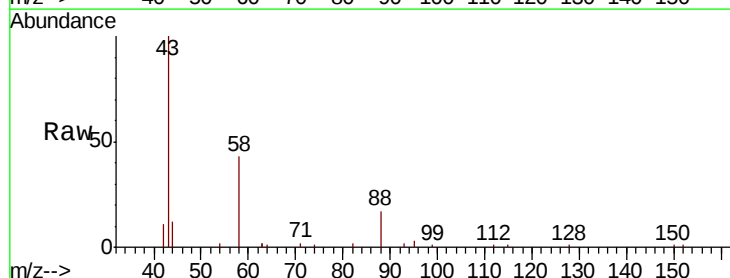
Tgt Ion: 88 Resp: 1499

Ion Ratio Lower Upper

88 100

58 85.3 53.2 79.8#

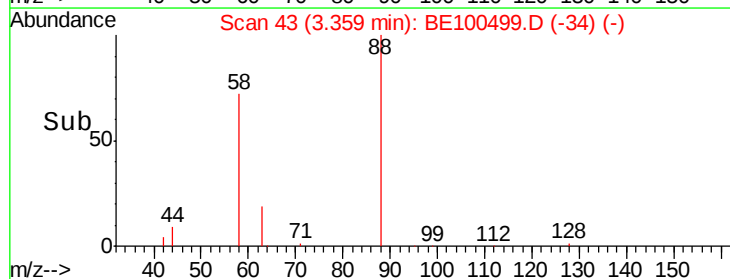
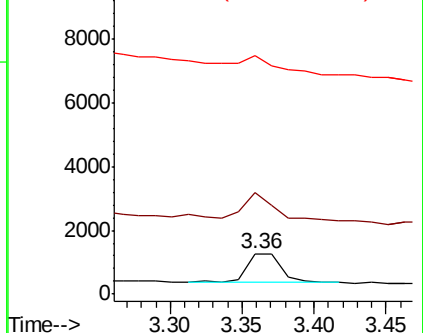
43 0.0 20.8 31.2#

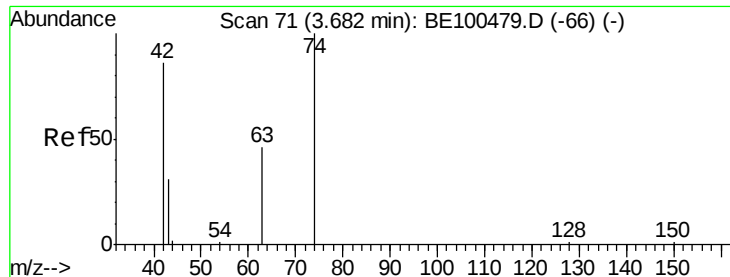


Abundance Ion 88.00 (87.70 to 88.70): BE1

Ion 58.00 (57.70 to 58.70): BE1

Ion 43.00 (42.70 to 43.70): BE1





#3

n-Nitrosodimethylamine

Concen: 0.360 ng

RT: 3.68 min Scan# 71

Delta R.T. -0.00 min

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Acq: 23 Jul 2019 13:39

Instrument :

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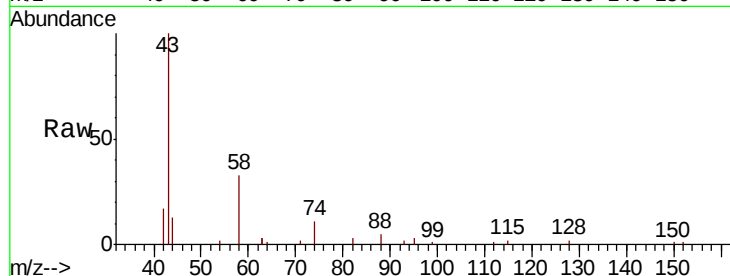
Tgt Ion: 42 Resp: 945

Ion Ratio Lower Upper

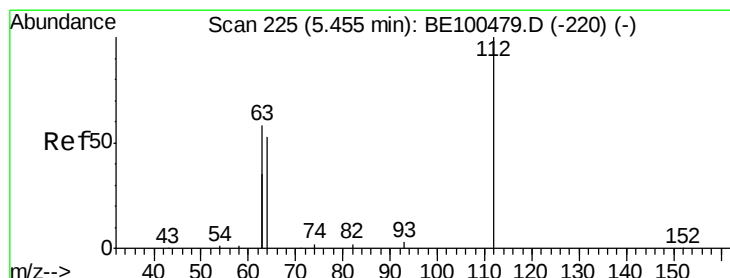
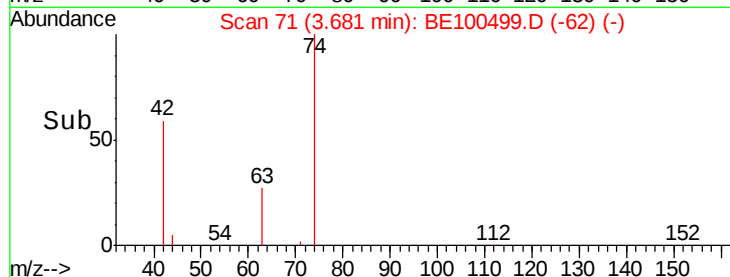
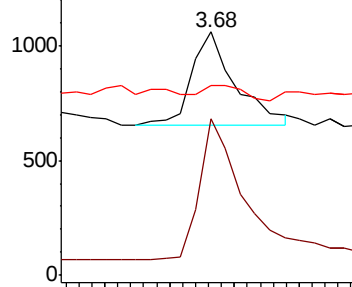
42 100

74 150.2 0.0 0.0#

44 16.7 9.6 14.4#



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: 0.396 ng

RT: 5.46 min Scan# 225

Delta R.T. -0.00 min

Lab File: BE100499.D

Acq: 23 Jul 2019 13:39

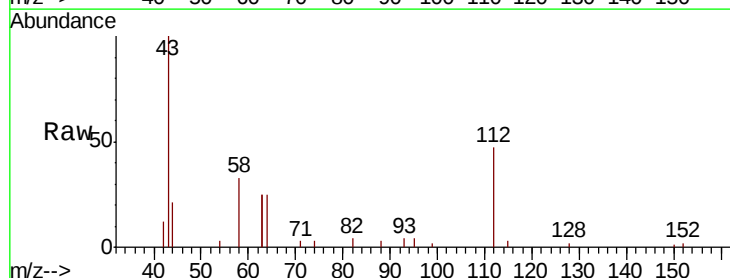
Tgt Ion: 112 Resp: 2770

Ion Ratio Lower Upper

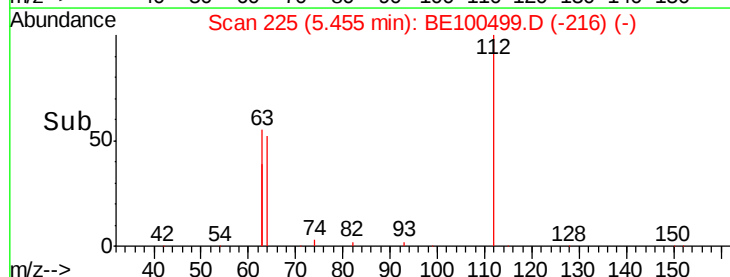
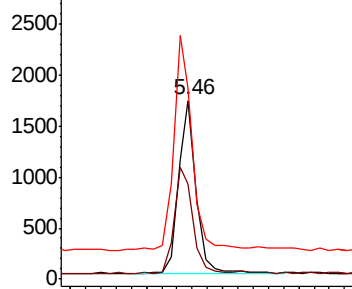
112 100

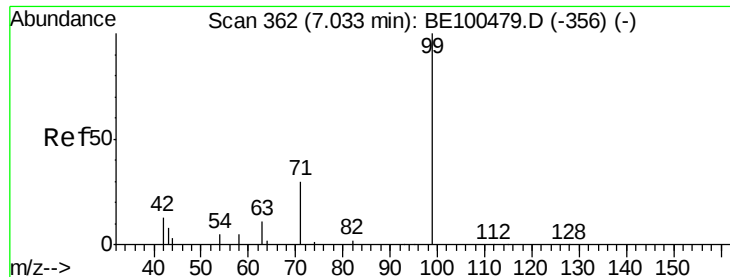
64 65.7 54.1 81.1

63 128.8 104.6 157.0



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: 0.371 ng

RT: 7.03 min Scan# 362

Delta R.T. -0.00 min

Lab File: BE100499.D

Acq: 23 Jul 2019 13:39

Instrument :

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ClientSampleId :

PB121558BSD

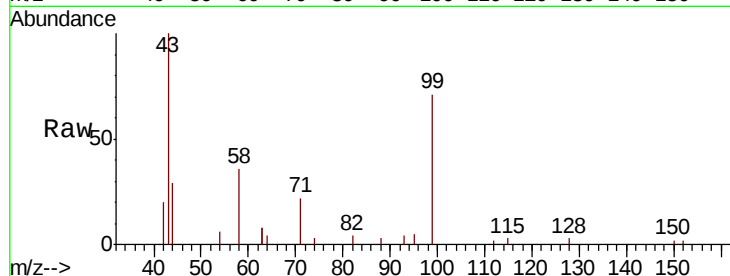
Tgt Ion: 99 Resp: 3710

Ion Ratio Lower Upper

99 100

42 21.6 14.5 21.7

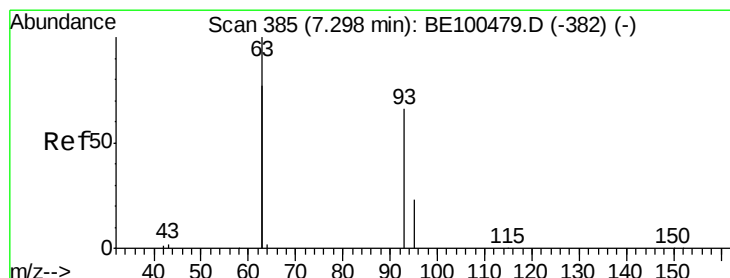
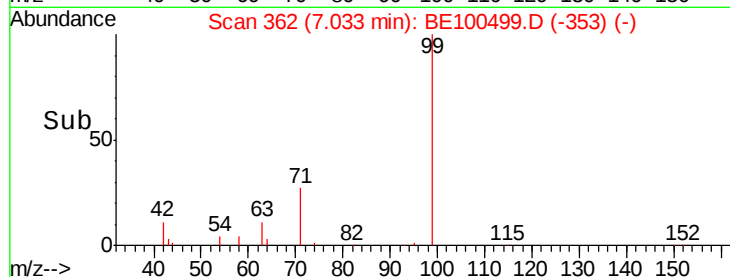
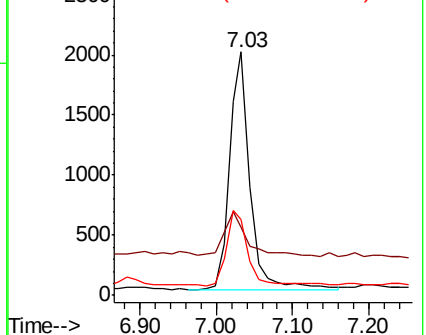
71 30.9 26.4 39.6



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: 0.345 ng

RT: 7.29 min Scan# 384

Delta R.T. -0.01 min

Lab File: BE100499.D

Acq: 23 Jul 2019 13:39

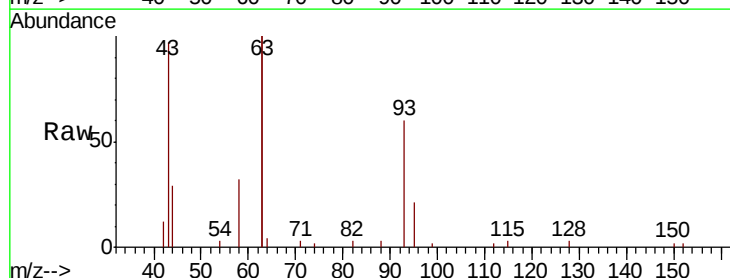
Tgt Ion: 93 Resp: 2964

Ion Ratio Lower Upper

93 100

63 300.3 248.3 372.5

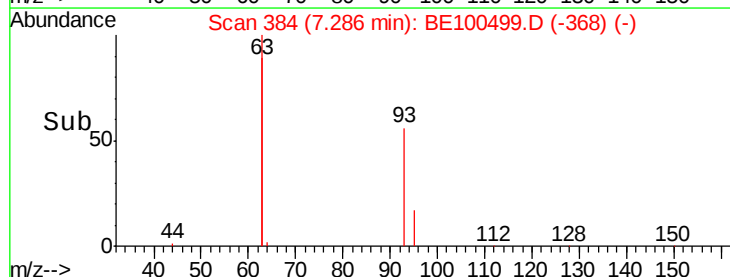
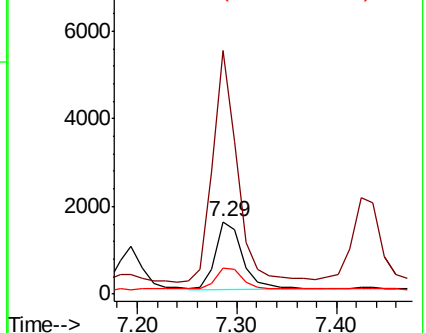
95 32.2 25.4 38.0

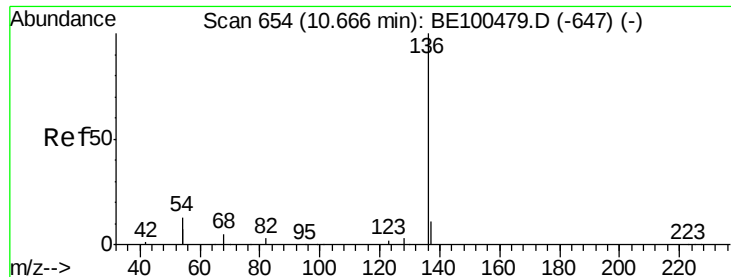


Abundance Ion 93.00 (92.70 to 93.70): BE1

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: 10.67 min Scan# 654

Delta R.T. -0.00 min

Lab File: BE100499.D

Acq: 23 Jul 2019 13:39

Instrument :

BNA_E

ClientSampleId :

PB121558BSD

Tgt Ion:136 Resp: 11156

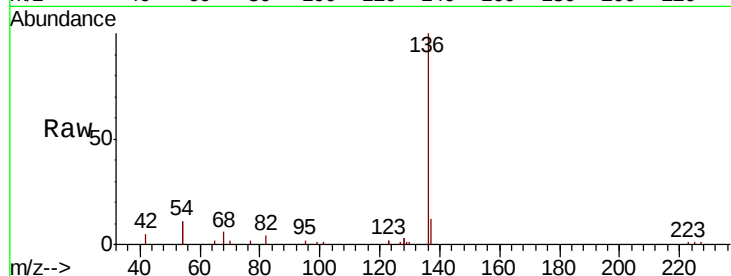
Ion Ratio Lower Upper

136 100

137 11.8 9.8 14.6

54 22.5 20.6 31.0

68 5.9 5.3 7.9

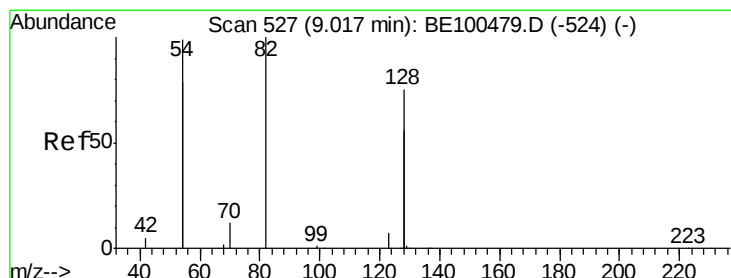
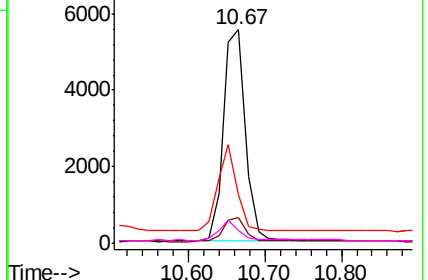
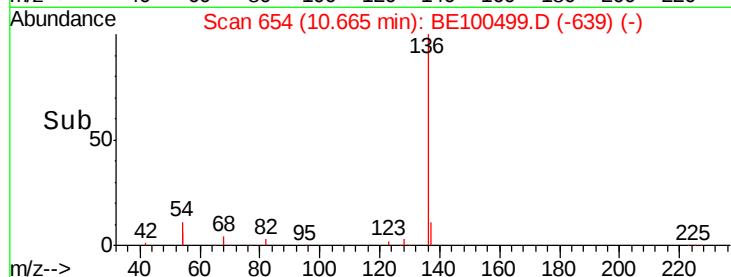


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.321 ng

RT: 9.02 min Scan# 527

Delta R.T. -0.00 min

Lab File: BE100499.D

Acq: 23 Jul 2019 13:39

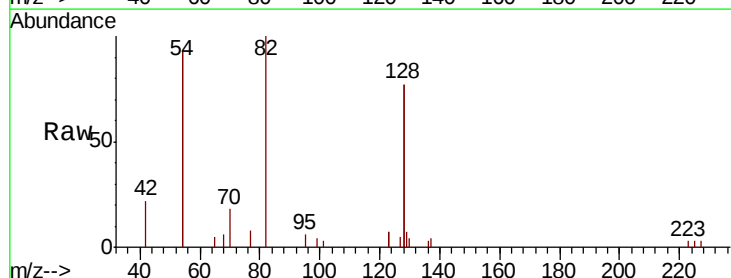
Tgt Ion: 82 Resp: 2981

Ion Ratio Lower Upper

82 100

128 153.8 113.6 170.4

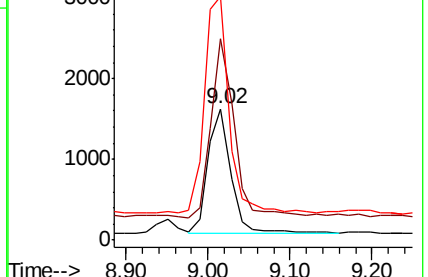
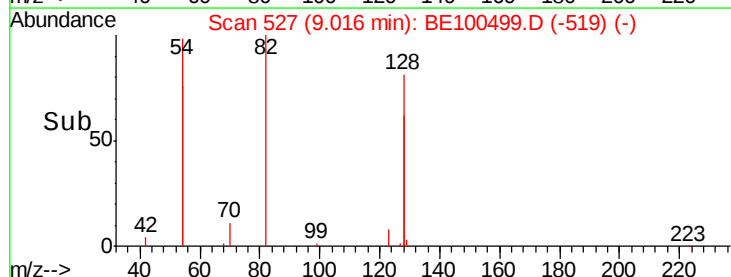
54 185.7 150.6 226.0

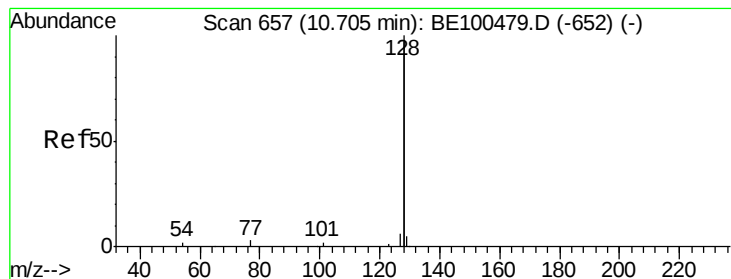


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.331 ng

RT: 10.70 min Scan# 657

Delta R.T. -0.00 min

Lab File: BE100499.D

Acq: 23 Jul 2019 13:39

Instrument :

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ClientSampleId :

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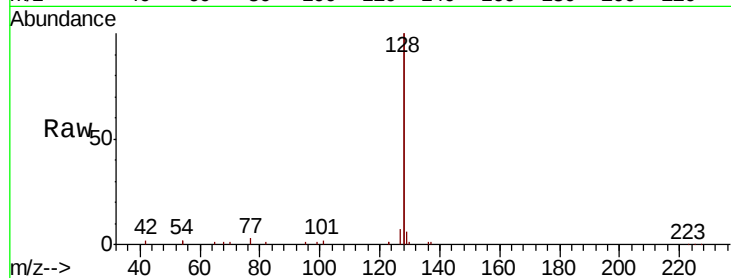
Tgt Ion:128 Resp: 35482

Ion Ratio Lower Upper

128 100

129 3.0 2.3 3.5

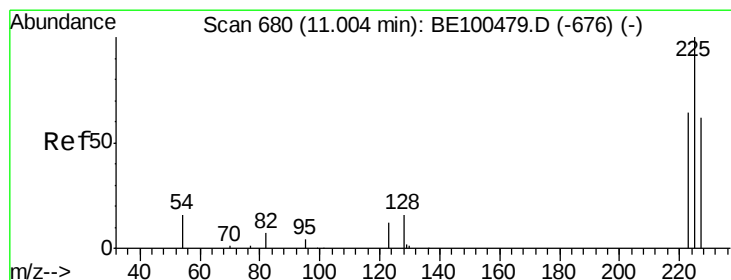
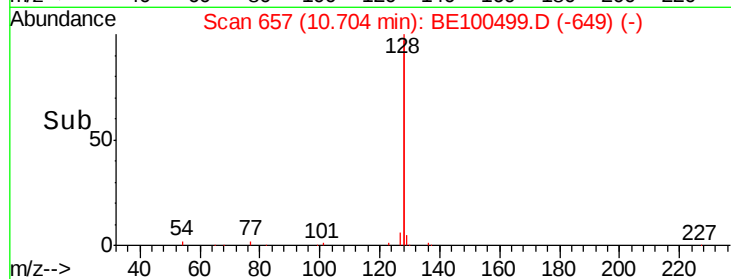
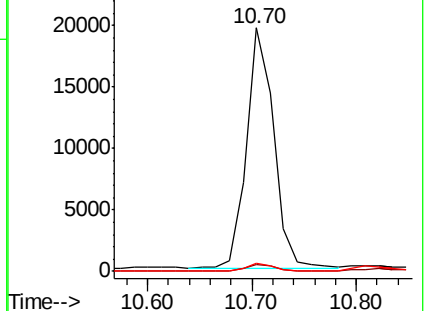
127 3.5 2.7 4.1



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: 0.325 ng

RT: 11.00 min Scan# 680

Delta R.T. -0.00 min

Lab File: BE100499.D

Acq: 23 Jul 2019 13:39

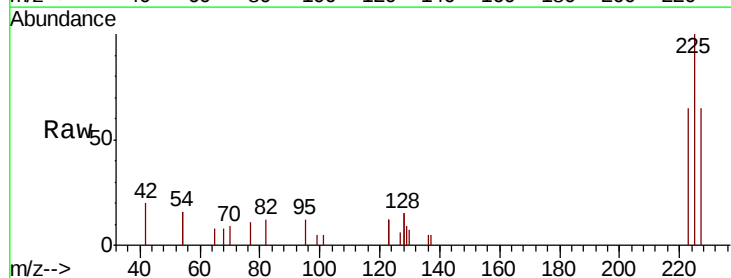
Tgt Ion:225 Resp: 1664

Ion Ratio Lower Upper

225 100

223 63.9 49.4 74.0

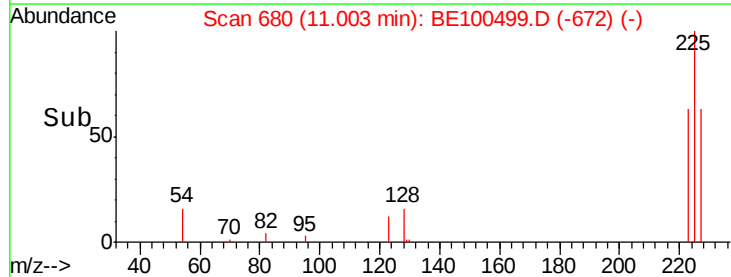
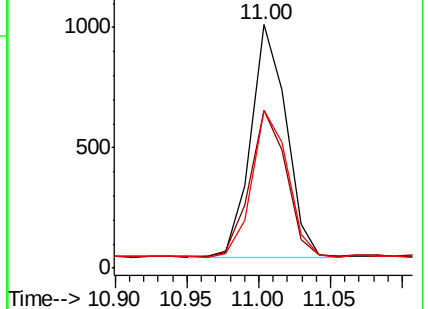
227 63.8 51.4 77.2

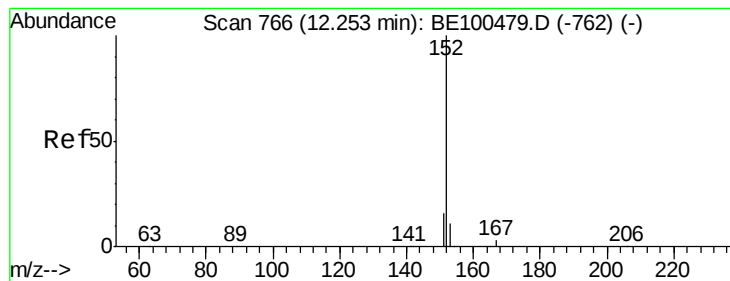


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.437 ng

RT: 12.25 min Scan# 766

Delta R.T. -0.00 min

Lab File: BE100499.D

Acq: 23 Jul 2019 13:39

Instrument :

BNA_E

ClientSampleId :

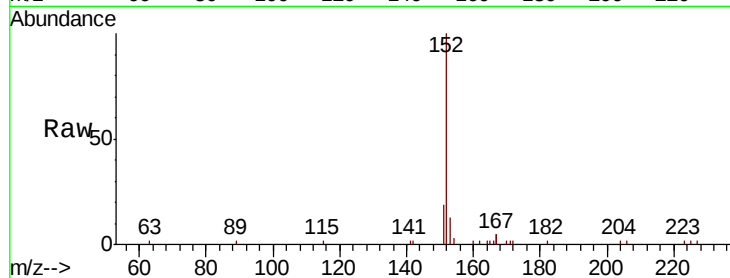
PB121558BSD

Tgt Ion:152 Resp: 8076

Ion Ratio Lower Upper

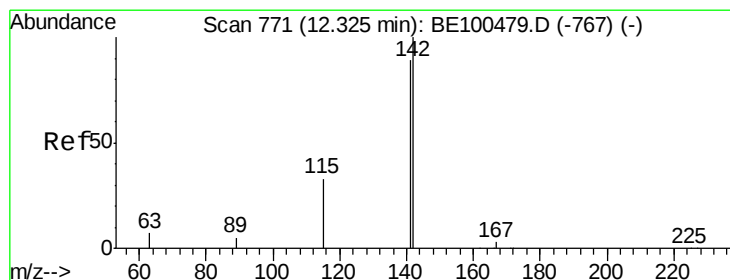
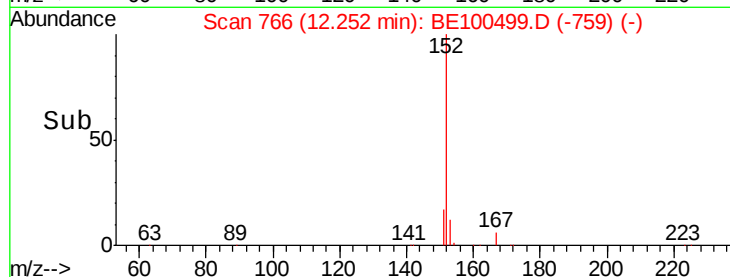
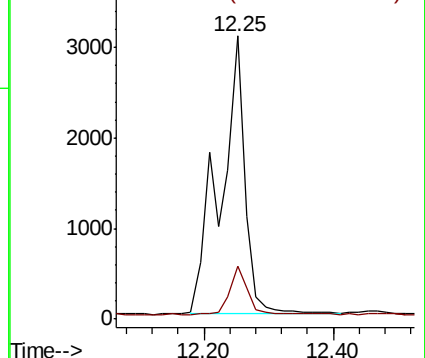
152 100

151 12.2 15.1 22.7#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.314 ng

RT: 12.32 min Scan# 771

Delta R.T. -0.00 min

Lab File: BE100499.D

Acq: 23 Jul 2019 13:39

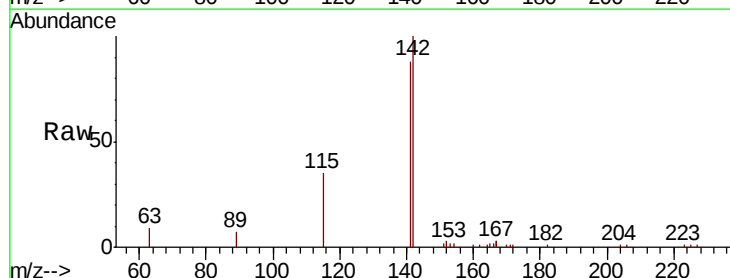
Tgt Ion:142 Resp: 6050

Ion Ratio Lower Upper

142 100

141 88.2 71.7 107.5

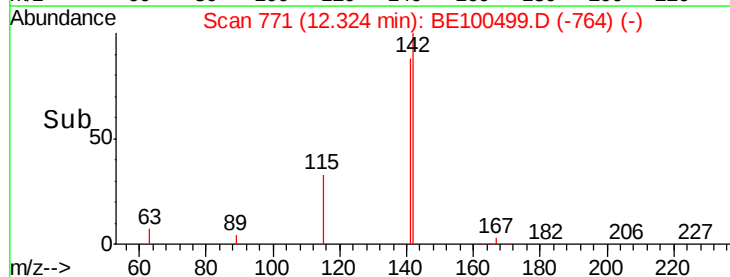
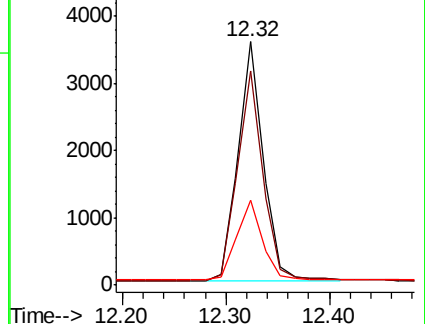
115 34.6 27.8 41.6

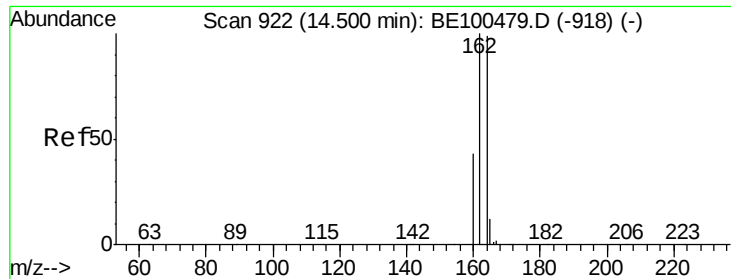


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

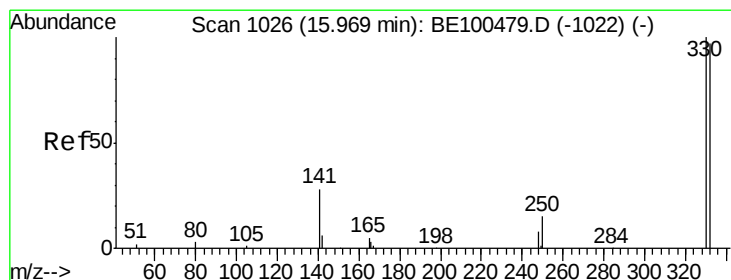
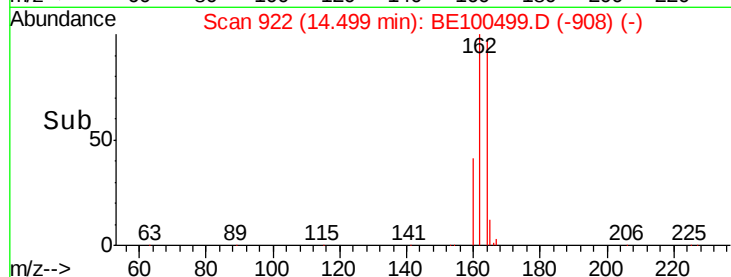
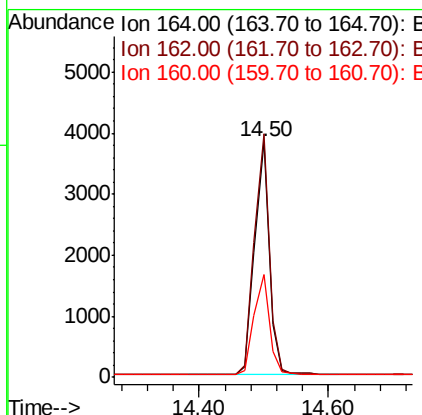
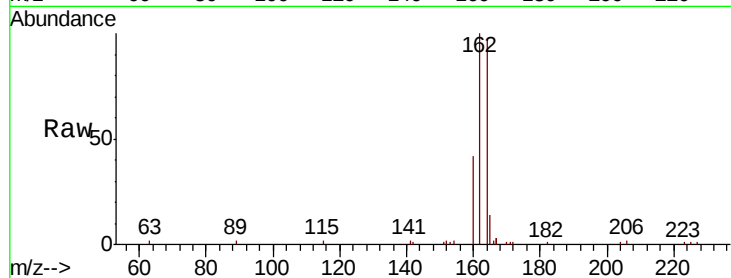




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.50 min Scan# 922
Delta R.T. -0.00 min
Lab File: BE100499.D
Acq: 23 Jul 2019 13:39

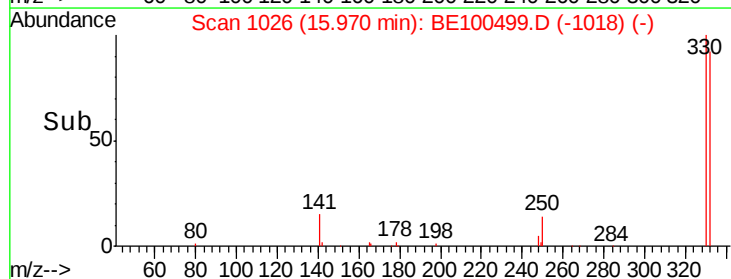
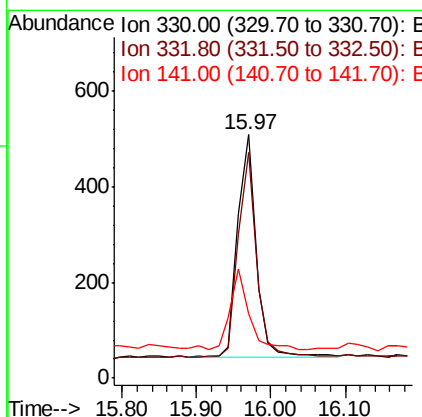
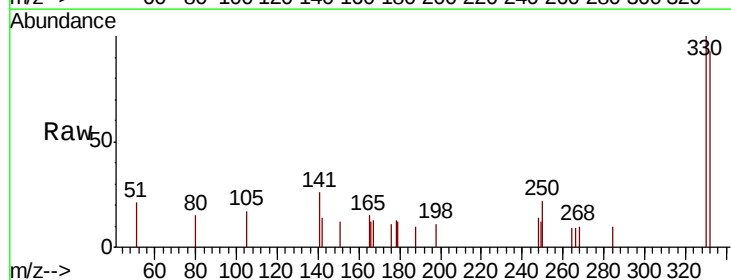
Instrument :
BNA_E
ClientSampleId :
PB121558BSD

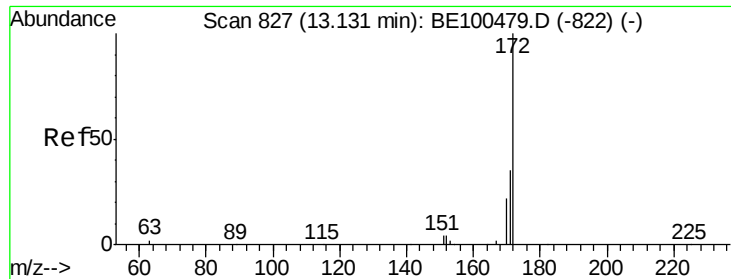
Tgt Ion:164 Resp: 5939
Ion Ratio Lower Upper
164 100
162 103.5 80.8 121.2
160 43.4 34.9 52.3



#14
2,4,6-Tribromophenol
Concen: 0.314 ng
RT: 15.97 min Scan# 1026
Delta R.T. 0.00 min
Lab File: BE100499.D
Acq: 23 Jul 2019 13:39

Tgt Ion:330 Resp: 808
Ion Ratio Lower Upper
330 100
332 91.8 80.5 120.7
141 36.0 29.9 44.9

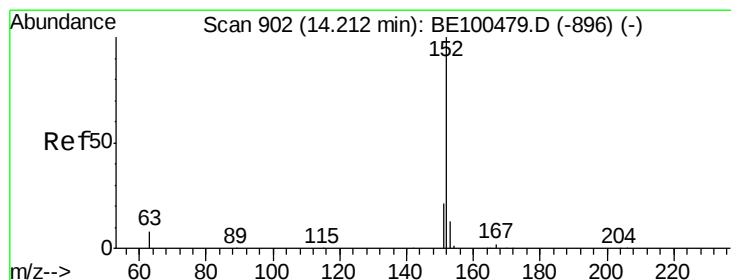
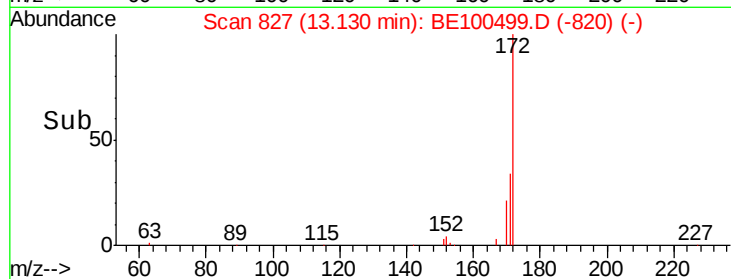
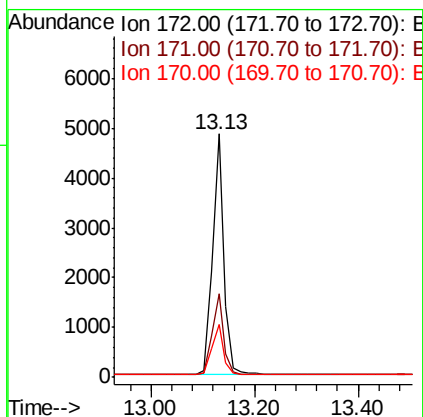
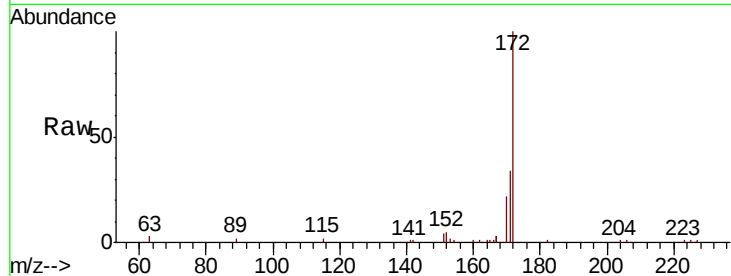




#15
2-Fluorobiphenyl
Concen: 0.312 ng
RT: 13.13 min Scan# 827
Delta R.T. -0.00 min
Lab File: BE100499.D
Acq: 23 Jul 2019 13:39

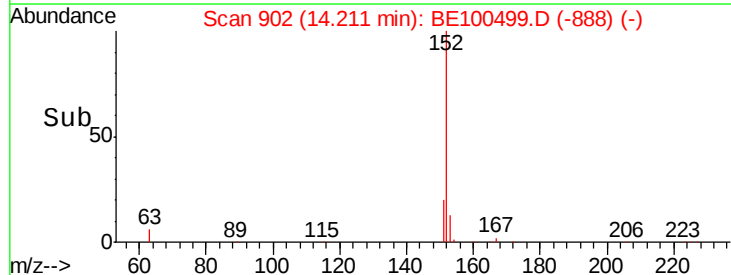
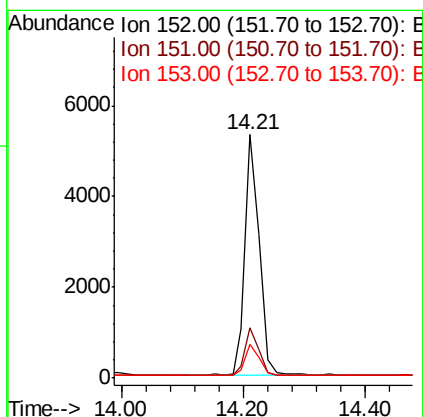
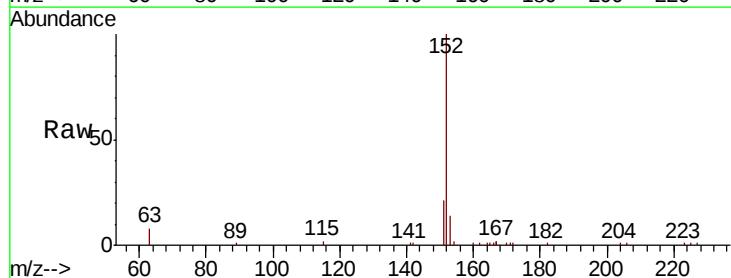
Instrument :
BNA_E
ClientSampleId :
PB121558BSD

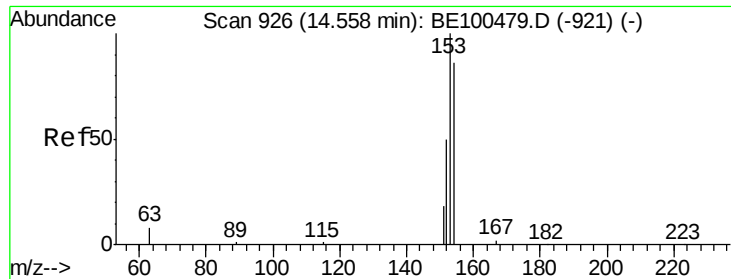
Tgt Ion:172 Resp: 7526
Ion Ratio Lower Upper
172 100
171 34.5 28.2 42.2
170 21.5 17.8 26.8



#16
Acenaphthylene
Concen: 0.319 ng
RT: 14.21 min Scan# 902
Delta R.T. -0.00 min
Lab File: BE100499.D
Acq: 23 Jul 2019 13:39

Tgt Ion:152 Resp: 8754
Ion Ratio Lower Upper
152 100
151 19.3 16.1 24.1
153 13.2 10.6 16.0

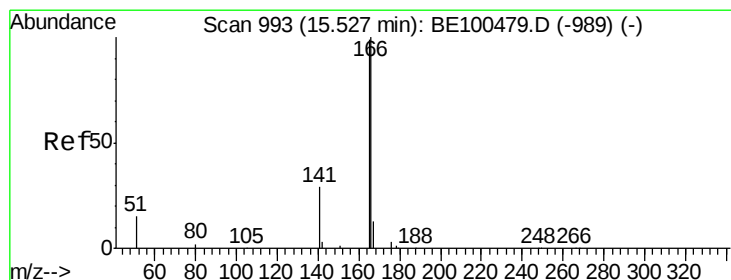
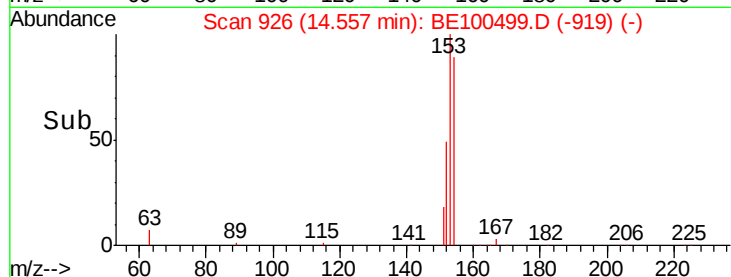
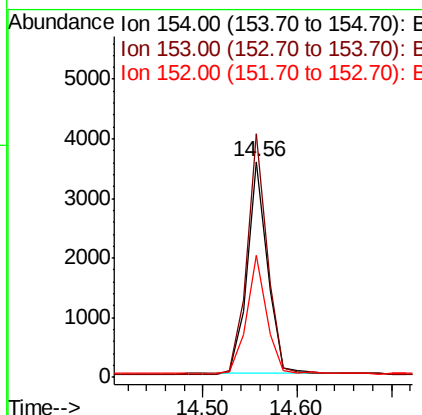
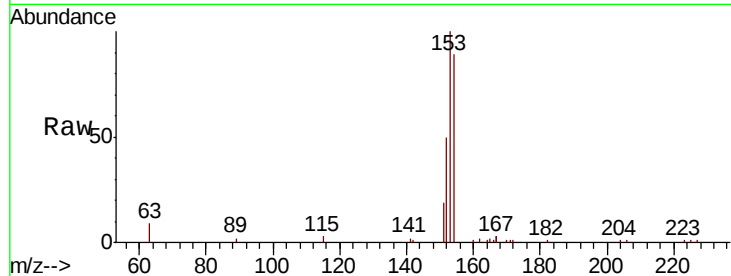




#17
Acenaphthene
Concen: 0.323 ng
RT: 14.56 min Scan# 926
Delta R.T. -0.00 min
Lab File: BE100499.D
Acq: 23 Jul 2019 13:39

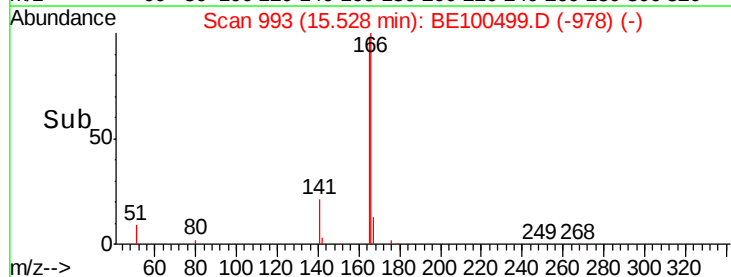
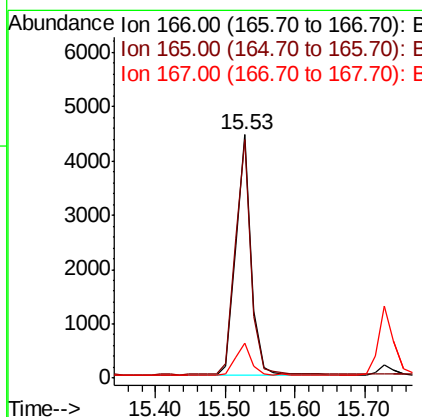
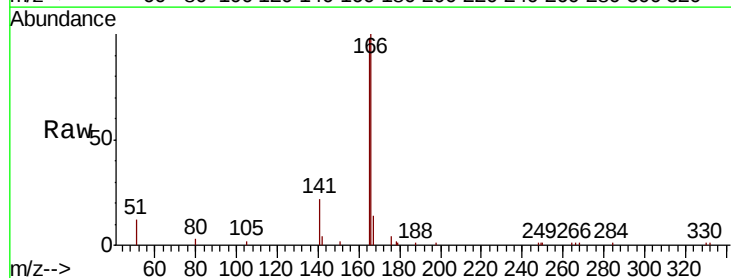
Instrument :
BNA_E
ClientSampleId :
PB121558BSD

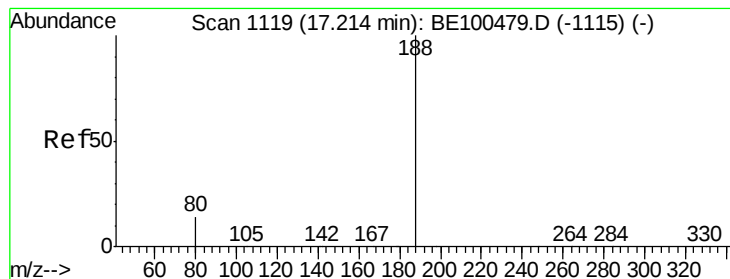
Tgt Ion:154 Resp: 5332
Ion Ratio Lower Upper
154 100
153 112.8 90.8 136.2
152 55.0 45.1 67.7



#18
Fluorene
Concen: 0.311 ng
RT: 15.53 min Scan# 993
Delta R.T. 0.00 min
Lab File: BE100499.D
Acq: 23 Jul 2019 13:39

Tgt Ion:166 Resp: 6846
Ion Ratio Lower Upper
166 100
165 98.1 78.3 117.5
167 13.6 10.9 16.3





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.21 min Scan# 1119

Delta R.T. 0.00 min

Lab File: BE100499.D

Acq: 23 Jul 2019 13:39

Instrument :

BNA_E

ClientSampleId :

PB121558BSD

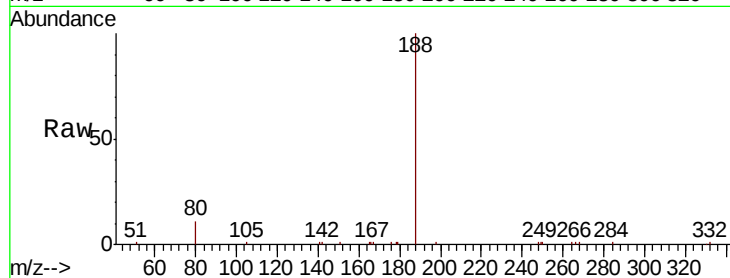
Tgt Ion:188 Resp: 13317

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

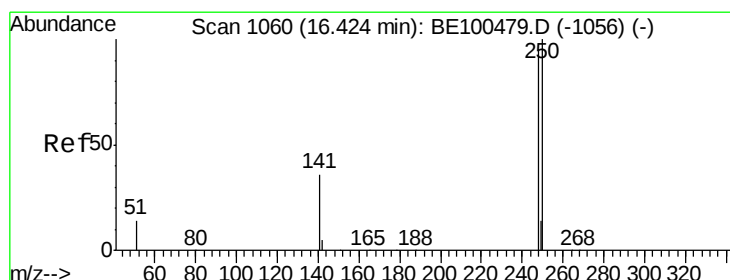
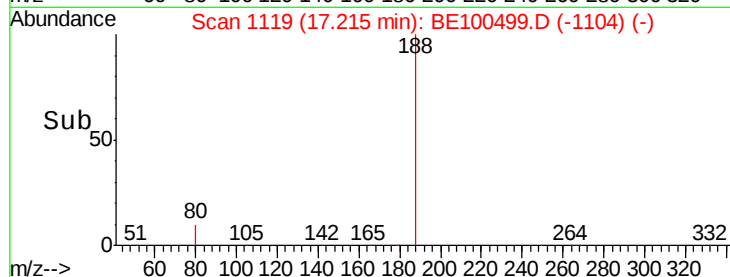
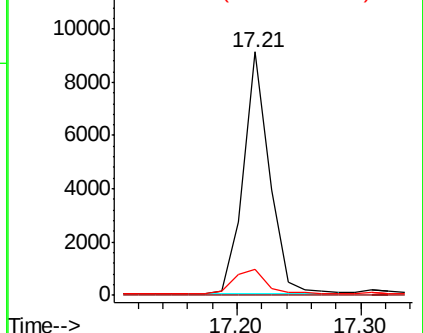
80 10.5 11.9 17.9#



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: 0.346 ng

RT: 16.41 min Scan# 1059

Delta R.T. -0.01 min

Lab File: BE100499.D

Acq: 23 Jul 2019 13:39

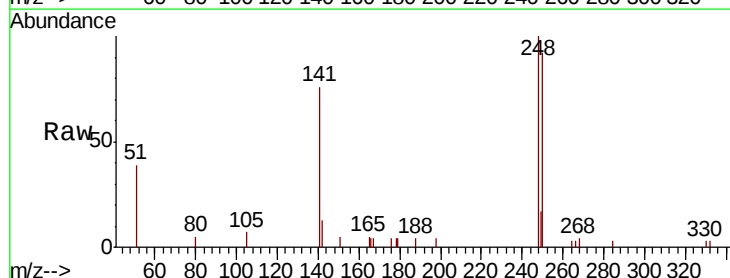
Tgt Ion:248 Resp: 2191

Ion Ratio Lower Upper

248 100

250 91.7 84.4 126.6

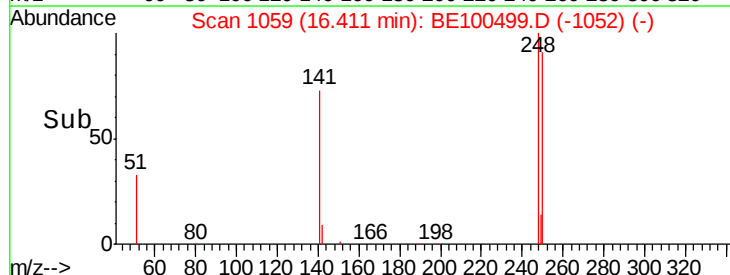
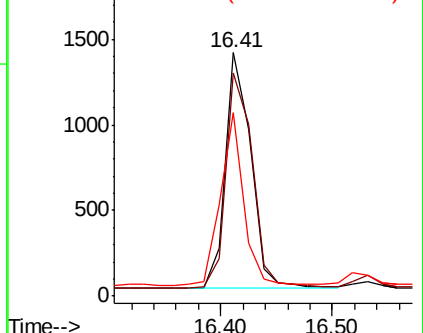
141 75.6 32.2 48.2#

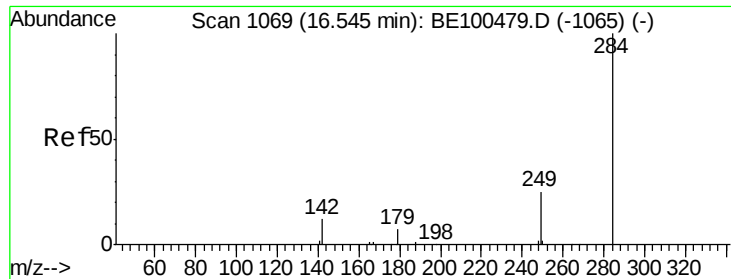


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

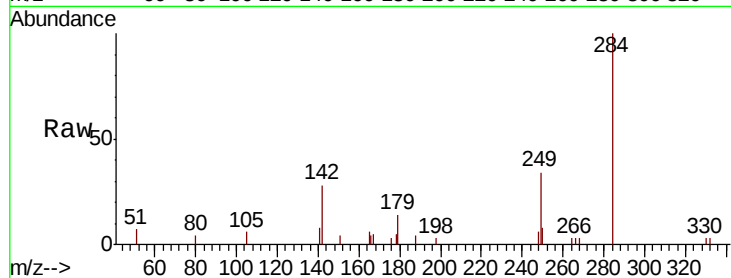




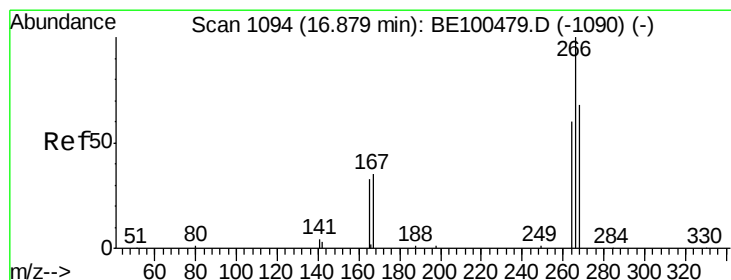
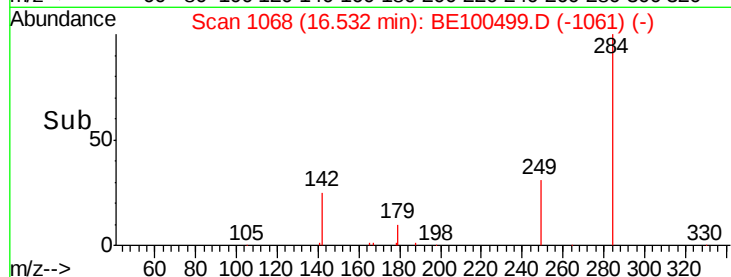
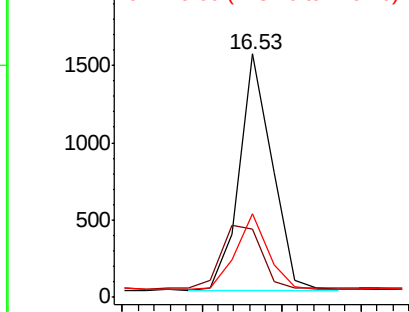
#21
Hexachlorobenzene
Concen: 0.339 ng
RT: 16.53 min Scan# 1068
Delta R.T. -0.01 min
Lab File: BE100499.D
Acq: 23 Jul 2019 13:39

Instrument :
BNA_E
ClientSampleId :
PB121558BSD

Tgt Ion:284 Resp: 2210
Ion Ratio Lower Upper
284 100
142 32.2 26.7 40.1
249 31.9 25.0 37.4

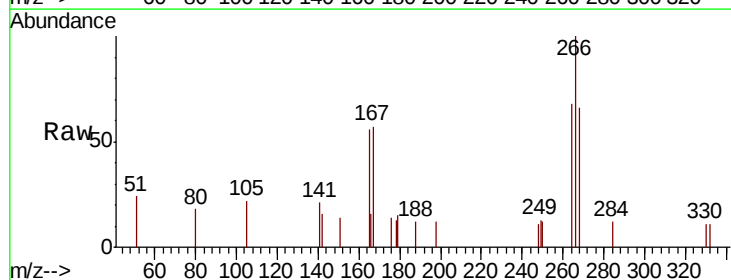


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

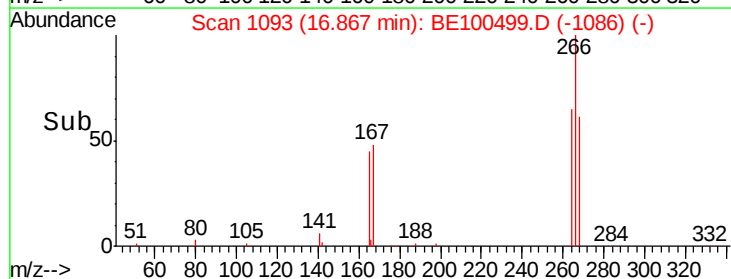
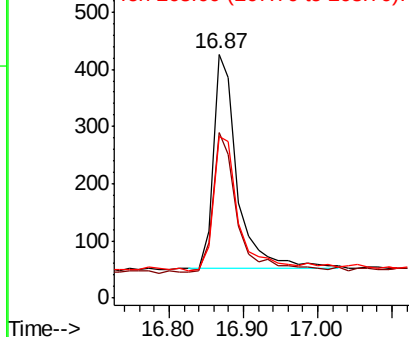


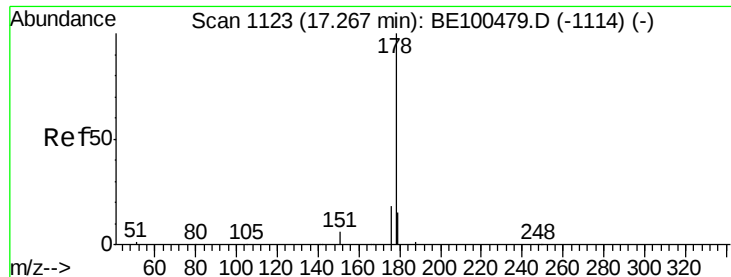
#22
Pentachlorophenol
Concen: 0.400 ng
RT: 16.87 min Scan# 1093
Delta R.T. -0.01 min
Lab File: BE100499.D
Acq: 23 Jul 2019 13:39

Tgt Ion:266 Resp: 858
Ion Ratio Lower Upper
266 100
264 67.8 50.4 75.6
268 66.4 56.6 85.0



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: 0.336 ng

RT: 17.25 min Scan# 1122

Delta R.T. -0.01 min

Lab File: BE100499.D

Acq: 23 Jul 2019 13:39

Instrument :

BNA_E

ClientSampleId :

PB121558BSD

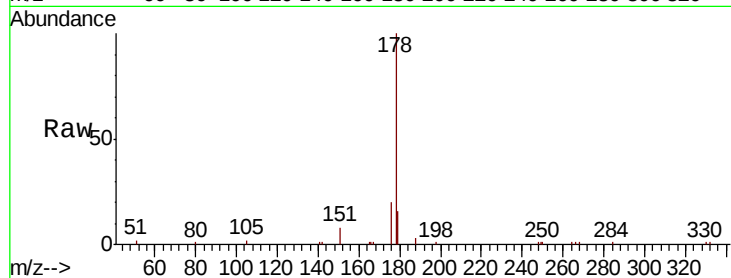
Tgt Ion:178 Resp: 10964

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

179 15.9 12.6 18.8

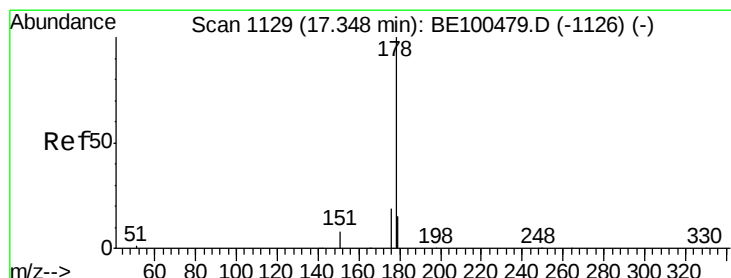
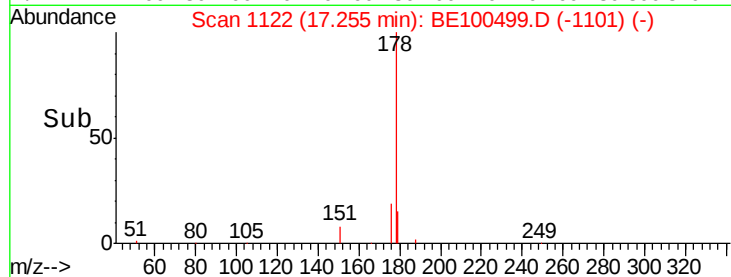
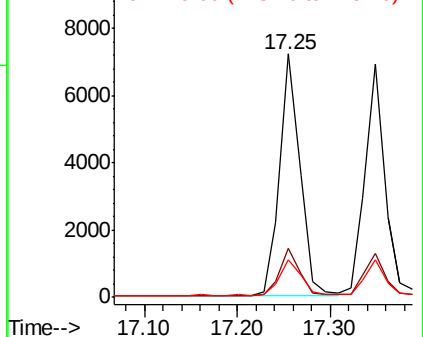


Abundance

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: 0.326 ng

RT: 17.35 min Scan# 1129

Delta R.T. 0.00 min

Lab File: BE100499.D

Acq: 23 Jul 2019 13:39

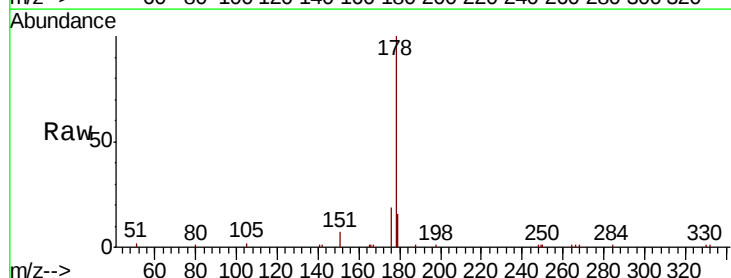
Tgt Ion:178 Resp: 10142

Ion Ratio Lower Upper

178 100

176 18.6 15.3 22.9

179 15.4 12.2 18.2

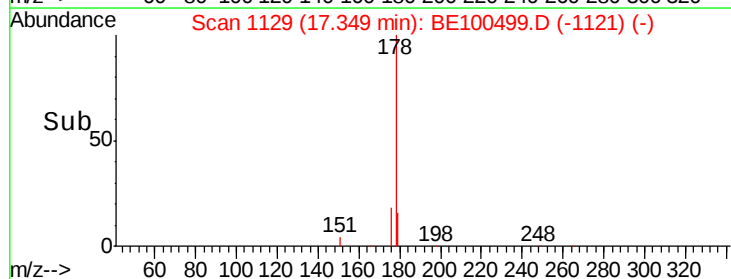
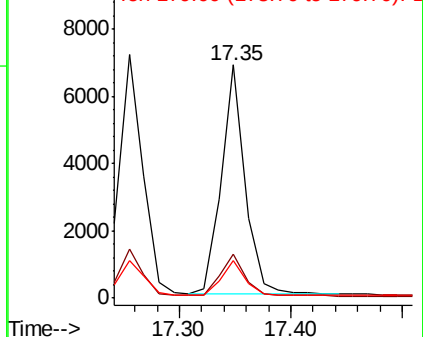


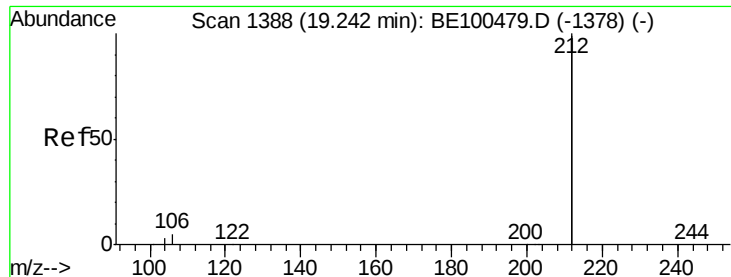
Abundance

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: 0.283 ng

RT: 19.24 min Scan# 1387

Delta R.T. -0.01 min

Lab File: BE100499.D

Acq: 23 Jul 2019 13:39

Instrument :

BNA_E

ClientSampleId :

PB121558BSD

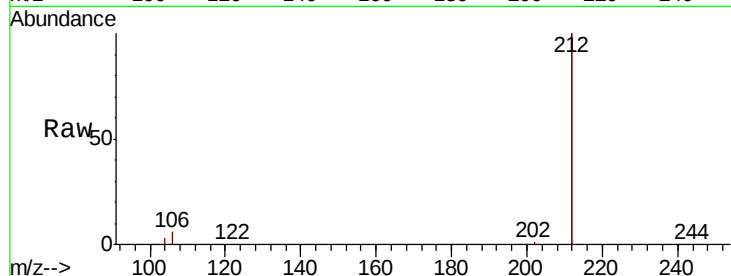
Tgt Ion:212 Resp: 51553

Ion Ratio Lower Upper

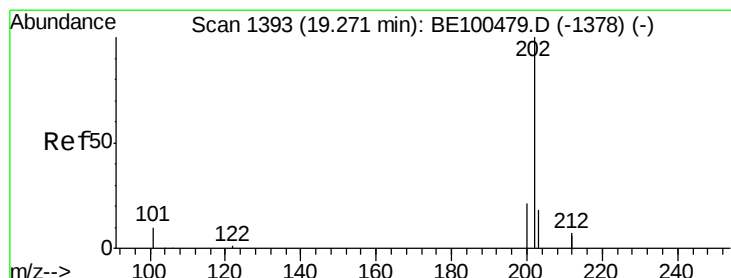
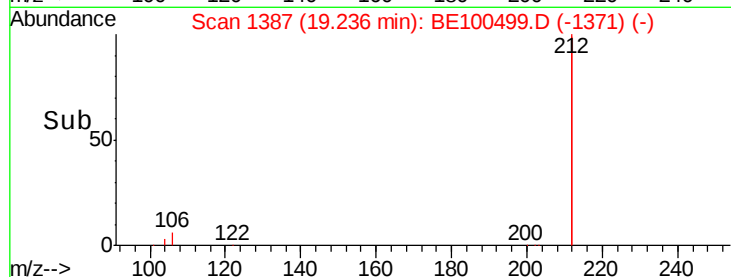
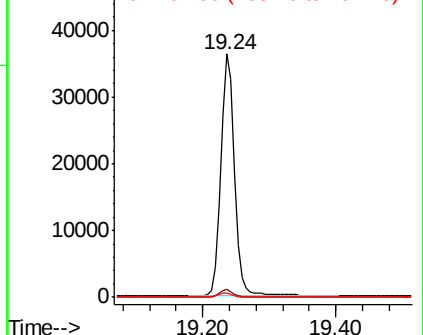
212 100

106 2.8 2.2 3.4

104 1.5 1.2 1.8



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: 0.308 ng

RT: 19.27 min Scan# 1392

Delta R.T. -0.01 min

Lab File: BE100499.D

Acq: 23 Jul 2019 13:39

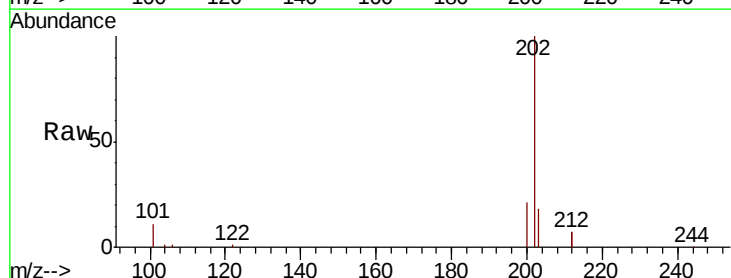
Tgt Ion:202 Resp: 14457

Ion Ratio Lower Upper

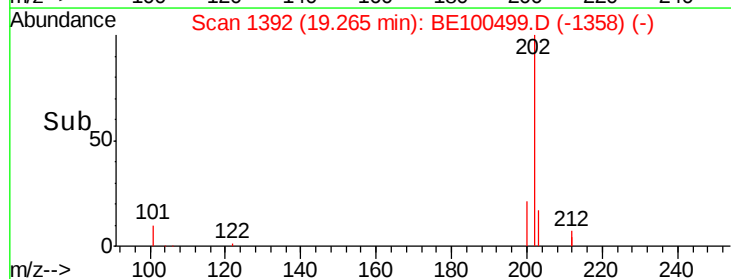
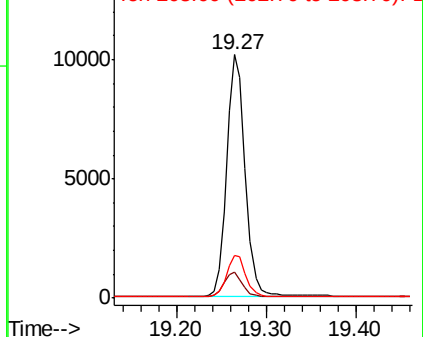
202 100

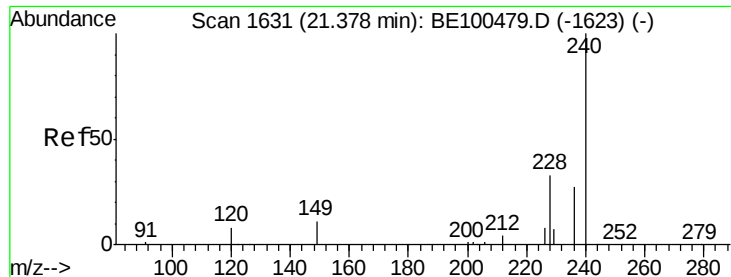
101 10.0 8.0 12.0

203 17.0 13.5 20.3



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: 21.38 min Scan# 1631

Delta R.T. 0.00 min

Lab File: BE100499.D

Acq: 23 Jul 2019 13:39

Instrument :

BNA_E

ClientSampleId :

PB121558BSD

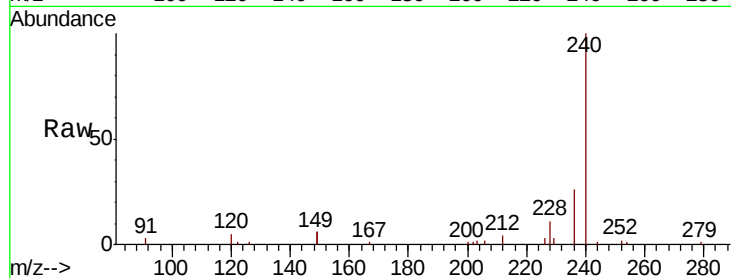
Tgt Ion:240 Resp: 16829

Ion Ratio Lower Upper

240 100

120 5.2 8.2 12.2#

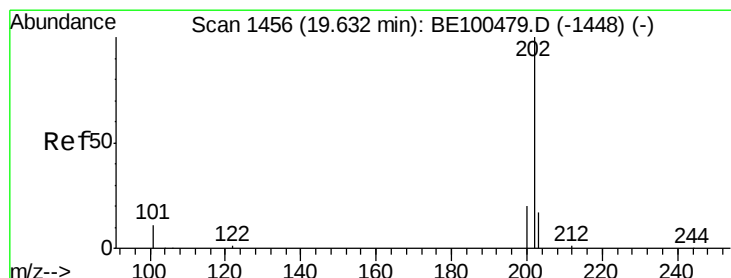
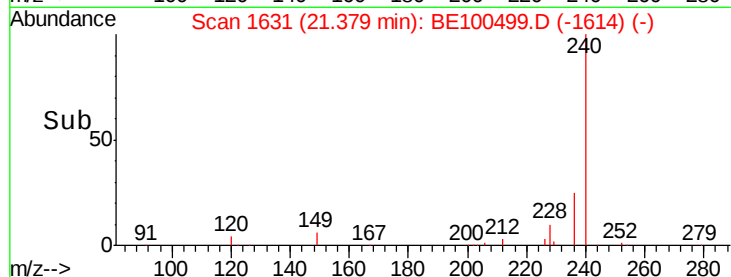
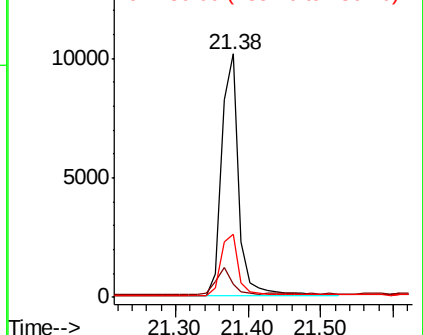
236 26.0 22.6 34.0



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.293 ng

RT: 19.63 min Scan# 1455

Delta R.T. -0.01 min

Lab File: BE100499.D

Acq: 23 Jul 2019 13:39

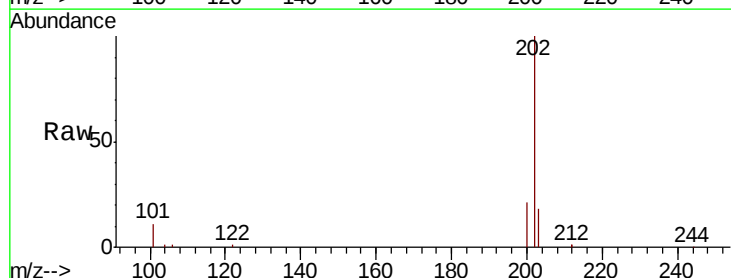
Tgt Ion:202 Resp: 15368

Ion Ratio Lower Upper

202 100

200 20.9 16.6 24.8

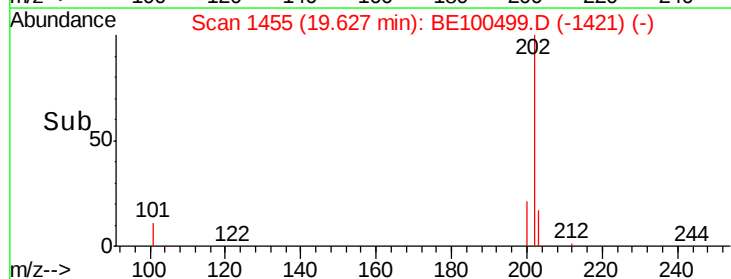
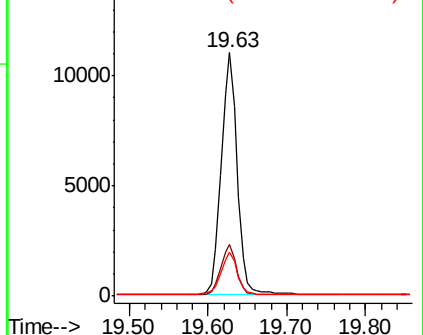
203 18.2 14.1 21.1

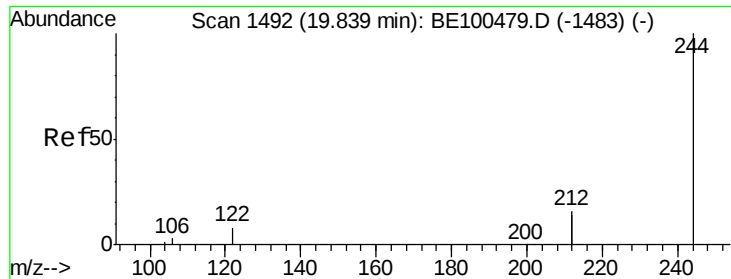


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.222 ng

RT: 19.83 min Scan# 1491

Delta R.T. -0.01 min

Lab File: BE100499.D

Acq: 23 Jul 2019 13:39

Instrument :

BNA_E

ClientSampleId :

PB121558BSD

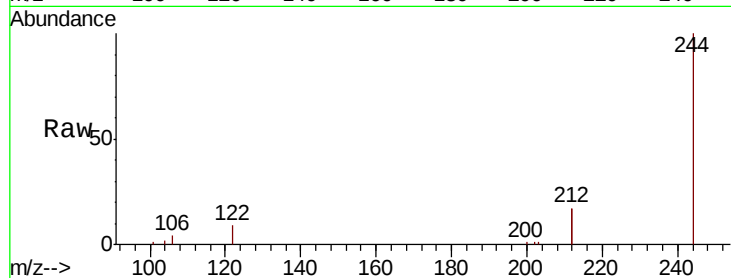
Tgt Ion:244 Resp: 9210

Ion Ratio Lower Upper

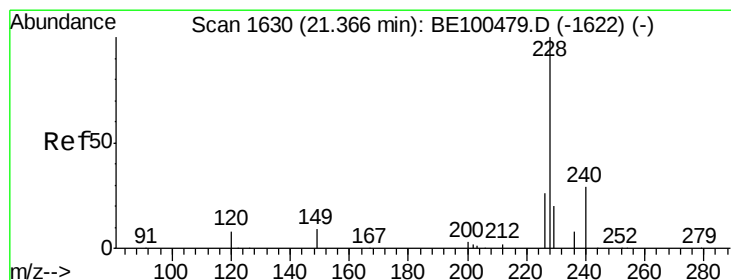
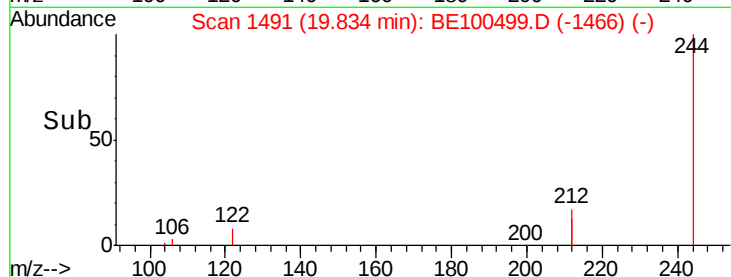
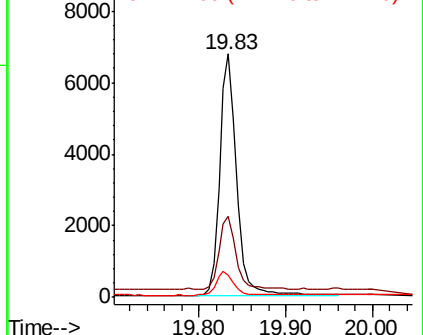
244 100

212 33.0 25.6 38.4

122 9.0 7.2 10.8



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: 0.309 ng

RT: 21.35 min Scan# 1629

Delta R.T. -0.01 min

Lab File: BE100499.D

Acq: 23 Jul 2019 13:39

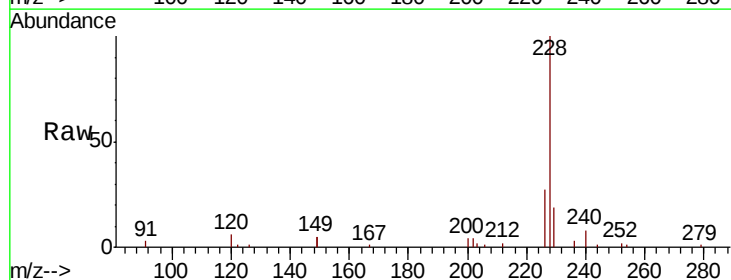
Tgt Ion:228 Resp: 15853

Ion Ratio Lower Upper

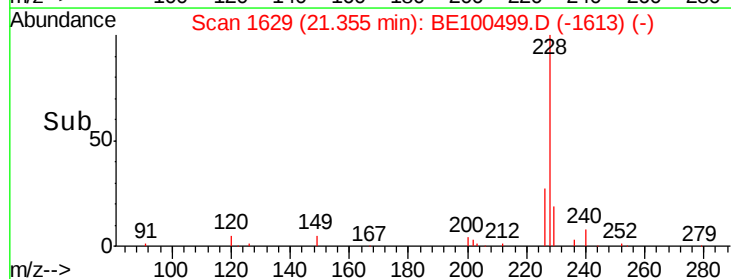
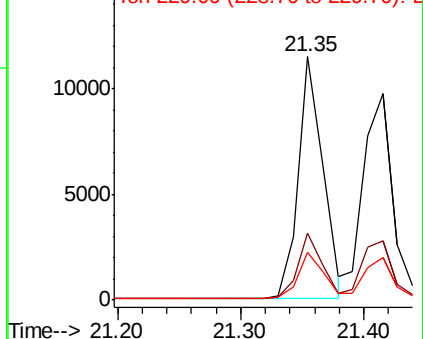
228 100

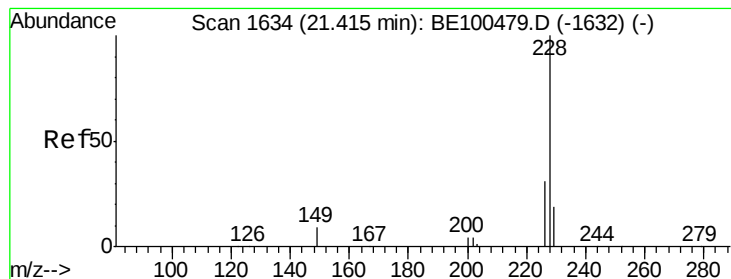
226 27.3 21.4 32.2

229 19.4 17.3 25.9



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: 0.312 ng

RT: 21.42 min Scan# 1634

Delta R.T. 0.00 min

Lab File: BE100499.D

Acq: 23 Jul 2019 13:39

Instrument :

BNA_E

ClientSampleId :

PB121558BSD

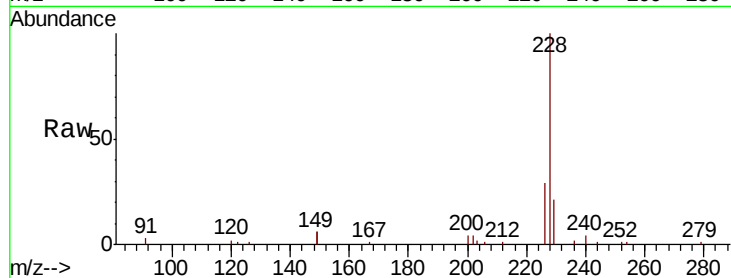
Tgt Ion: 228 Resp: 15814

Ion Ratio Lower Upper

228 100

226 28.9 25.0 37.6

229 20.6 16.7 25.1

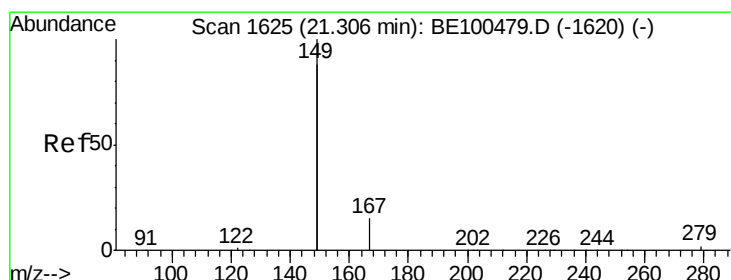
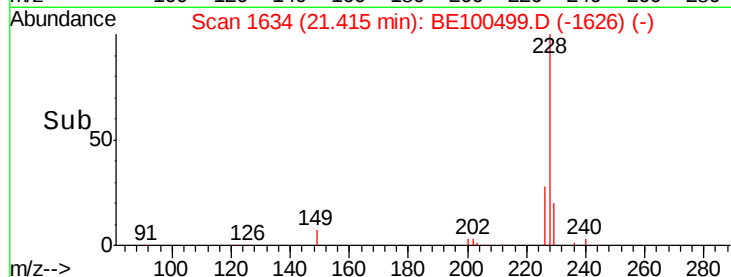
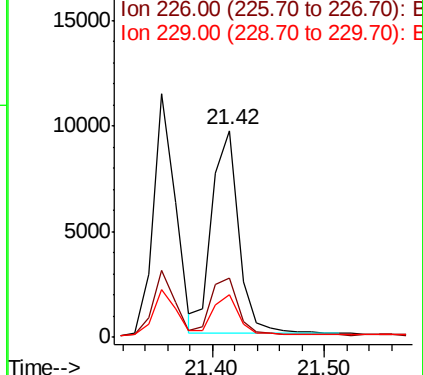


Abundance

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: 0.359 ng

RT: 21.29 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BE100499.D

Acq: 23 Jul 2019 13:39

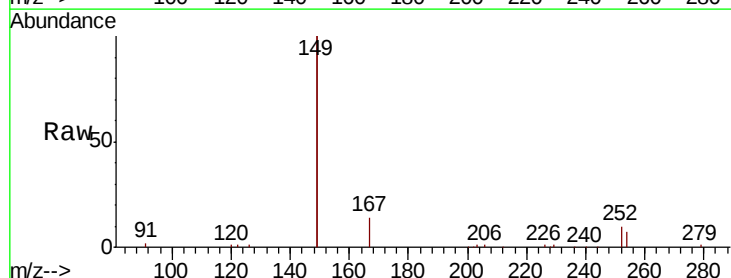
Tgt Ion: 149 Resp: 42305

Ion Ratio Lower Upper

149 100

167 7.1 5.9 8.9

279 1.0 1.0 1.6

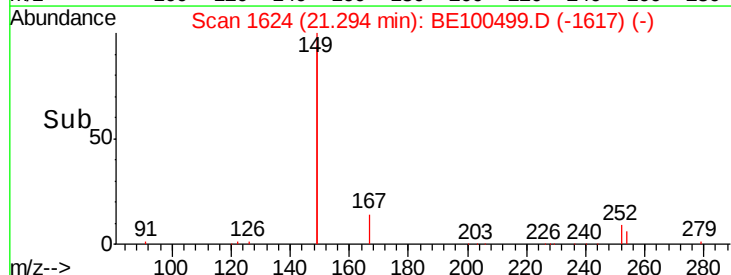
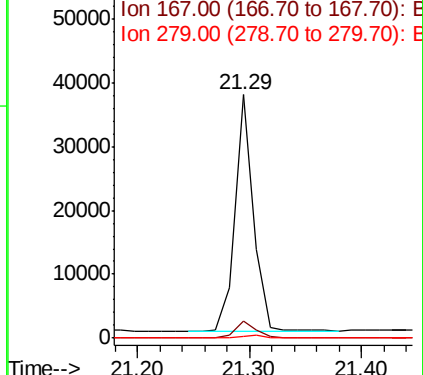


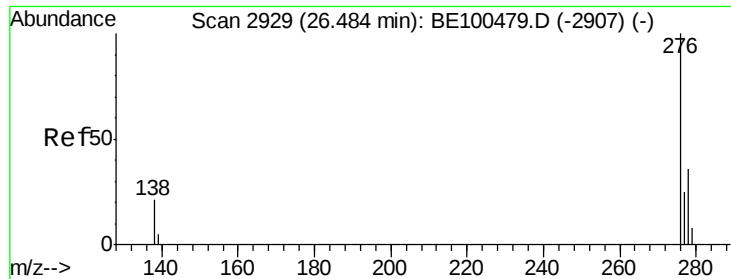
Abundance

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: 0.413 ng

RT: 26.47 min Scan# 2926

Delta R.T. -0.01 min

Lab File: BE100499.D

Acq: 23 Jul 2019 13:39

Instrument :

BNA_E

ClientSampleId :

PB121558BSD

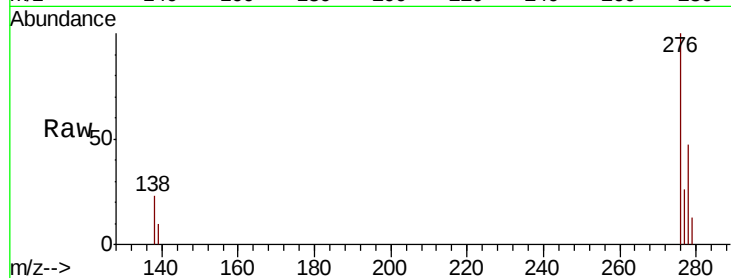
Tgt Ion:276 Resp: 22817

Ion Ratio Lower Upper

276 100

138 20.9 16.6 25.0

277 24.4 19.1 28.7

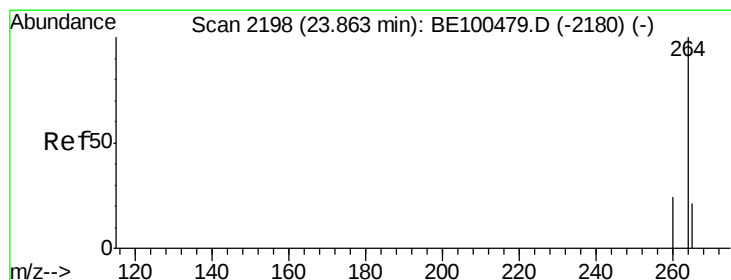
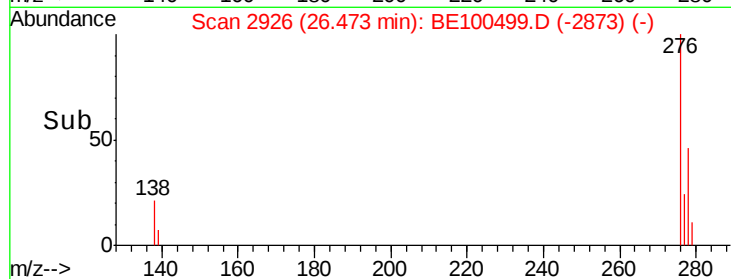
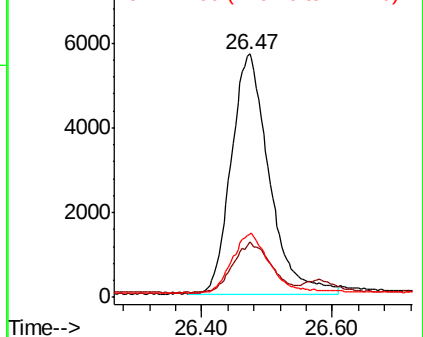


Abundance

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: 23.85 min Scan# 2196

Delta R.T. -0.01 min

Lab File: BE100499.D

Acq: 23 Jul 2019 13:39

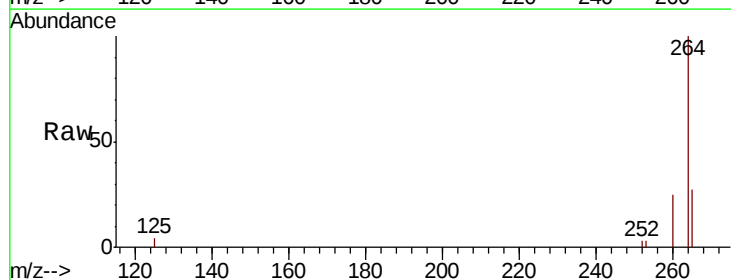
Tgt Ion:264 Resp: 21694

Ion Ratio Lower Upper

264 100

260 25.0 20.7 31.1

265 27.1 23.4 35.2

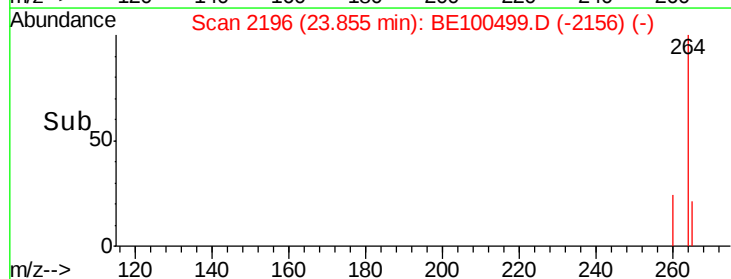
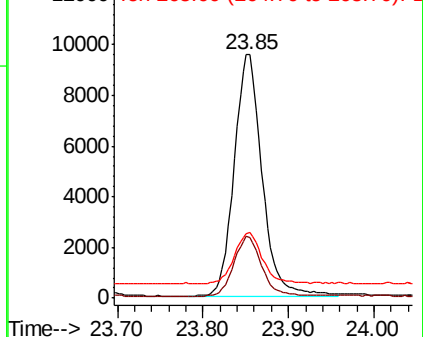


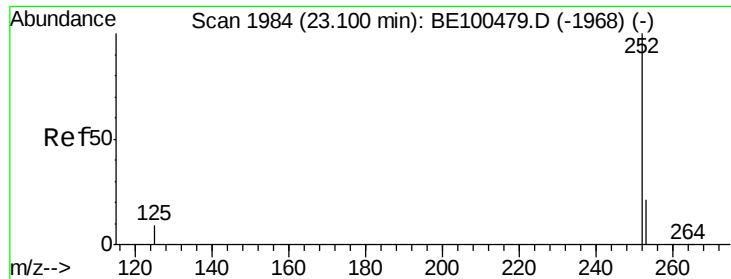
Abundance

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

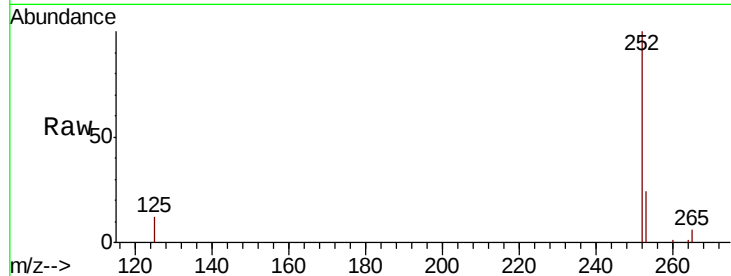




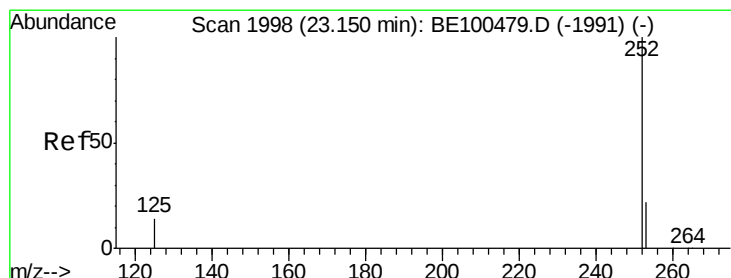
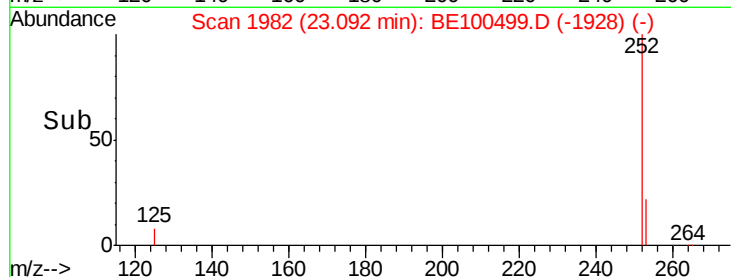
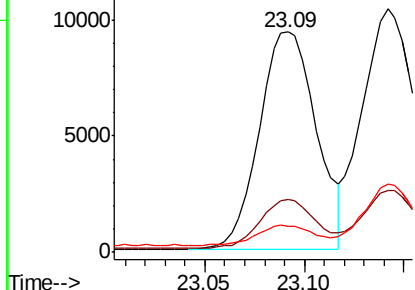
#35
Benzo(b)fluoranthene
Concen: 0.312 ng
RT: 23.09 min Scan# 1982
Delta R.T. -0.01 min
Lab File: BE100499.D
Acq: 23 Jul 2019 13:39

Instrument :
BNA_E
ClientSampleId :
PB121558BSD

Tgt Ion:252 Resp: 18543
Ion Ratio Lower Upper
252 100
253 24.1 19.2 28.8
125 11.9 11.9 17.9#

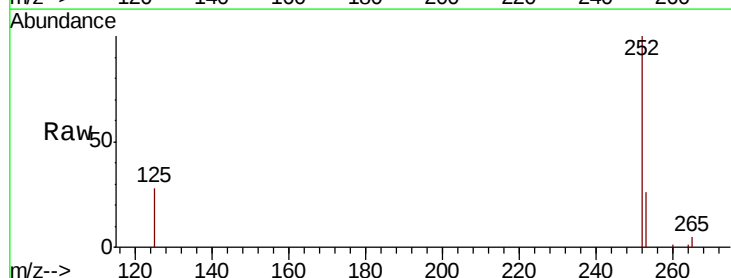


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

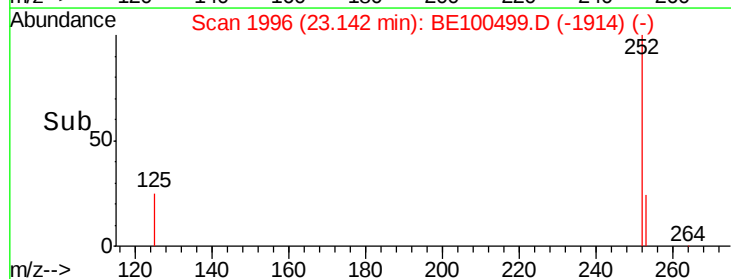
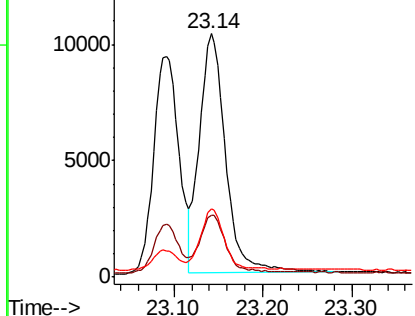


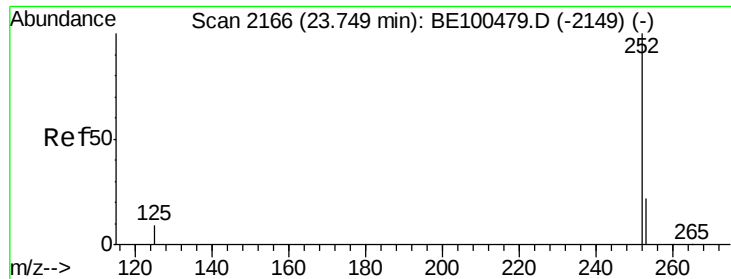
#36
Benzo(k)fluoranthene
Concen: 0.338 ng
RT: 23.14 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BE100499.D
Acq: 23 Jul 2019 13:39

Tgt Ion:252 Resp: 21032
Ion Ratio Lower Upper
252 100
253 25.5 19.7 29.5
125 28.0 15.2 22.8#



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: 0.344 ng

RT: 23.74 min Scan# 2164

Delta R.T. -0.01 min

Lab File: BE100499.D

Acq: 23 Jul 2019 13:39

Instrument :

BNA_E

ClientSampleId :

PB121558BSD

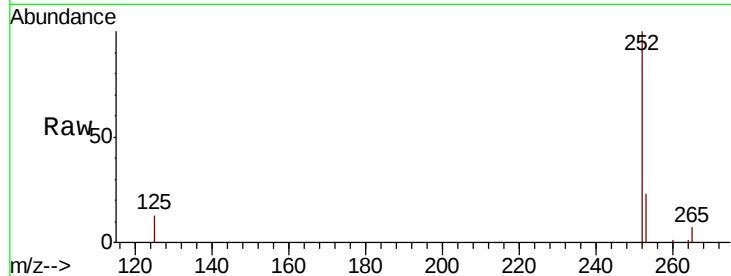
Tgt Ion: 252 Resp: 19837

Ion Ratio Lower Upper

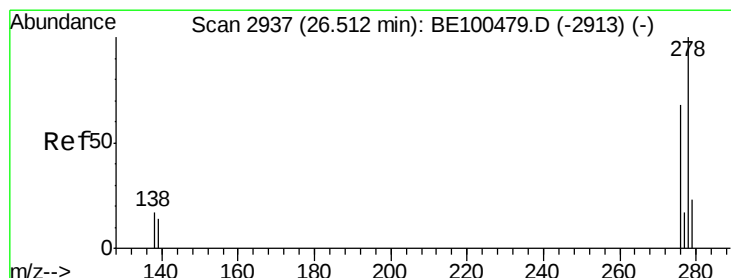
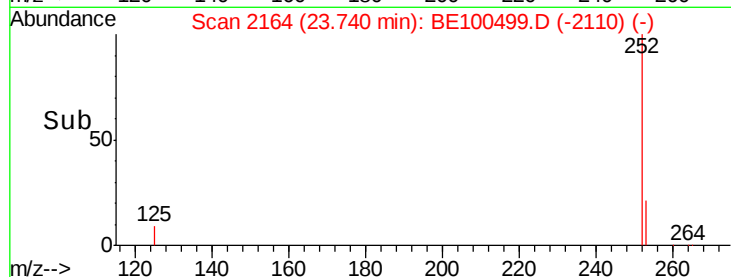
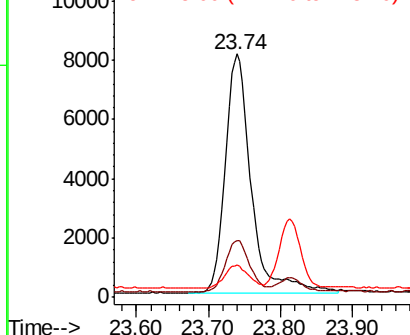
252 100

253 23.4 20.0 30.0

125 13.4 14.1 21.1#



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



#38

Dibenzo(a,h)anthracene

Concen: 0.349 ng

RT: 26.50 min Scan# 2933

Delta R.T. -0.01 min

Lab File: BE100499.D

Acq: 23 Jul 2019 13:39

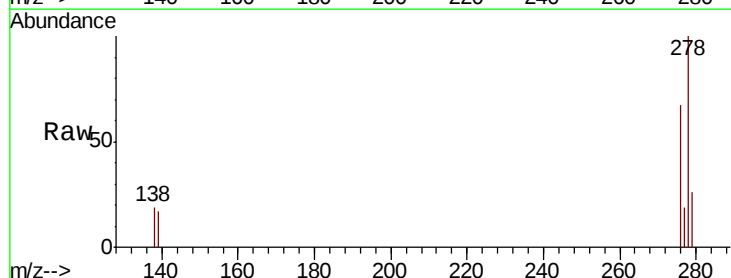
Tgt Ion: 278 Resp: 19024

Ion Ratio Lower Upper

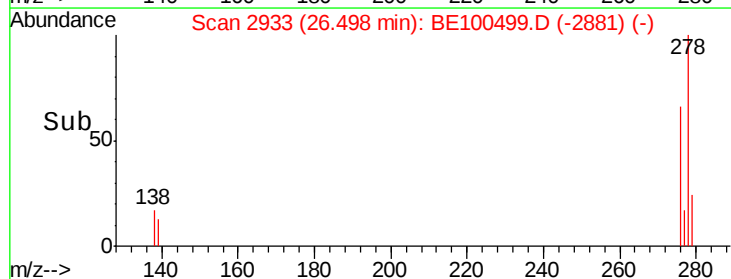
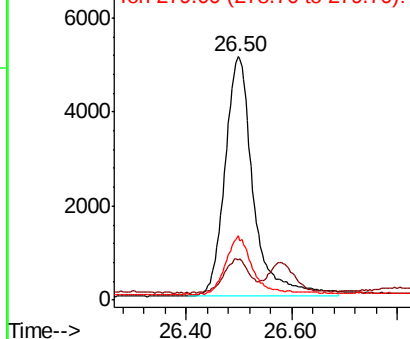
278 100

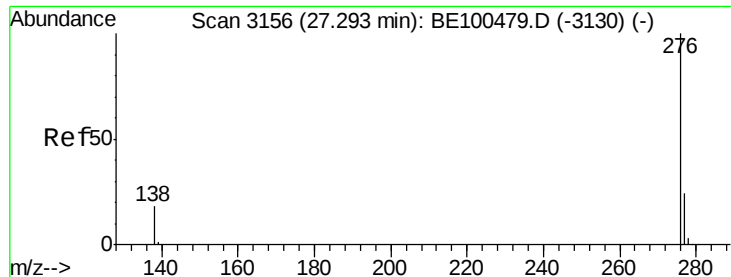
139 16.7 16.8 25.2#

279 26.2 21.8 32.8



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(g,h,i)perylene

Concen: 0.354 ng

RT: 27.27 min Scan# 3150

Delta R.T. -0.02 min

Lab File: BE100499.D

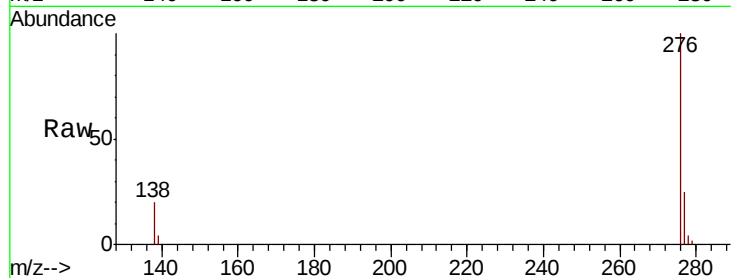
Acq: 23 Jul 2019 13:39

Instrument :

BNA_E

ClientSampleId :

PB121558BSD



Tgt Ion: 276 Resp: 19753

Ion Ratio Lower Upper

276 100

277 25.3 22.0 33.0

138 20.4 17.3 25.9

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

