

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE111519\
 Data File : BE100739.D
 Acq On : 15 Nov 2019 16:16
 Operator : JU
 Sample : K5728-01MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-024-SW129-110619-1MSD

Quant Time: Nov 15 22:32:40 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE111419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 15 15:55:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	2915	0.40	ng	0.00
7) Naphthalene-d8	10.55	136	11834	0.40	ng	0.00
13) Acenaphthene-d10	14.40	164	7509	0.40	ng	-0.01
19) Phenanthrene-d10	17.12	188	17692	0.40	ng	-0.01
27) Chrysene-d12	21.29	240	19922	0.40	ng	0.00
34) Perylene-d12	23.73	264	21243	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.36	112	4136	0.49	ng	0.00
5) Phenol-d6	6.94	99	5657	0.47	ng	0.00
8) Nitrobenzene-d5	8.91	82	3540	0.35	ng	0.00
11) 2-Methylnaphthalene-d10	12.15	152	8391	0.44	ng	0.00
14) 2,4,6-Tribromophenol	15.90	330	361	0.59	ng	0.01
15) 2-Fluorobiphenyl	13.03	172	9706	0.35	ng	0.00
25) Fluoranthene-d10	19.15	212	81363	0.35	ng	0.00
29) Terphenyl-d14	19.75	244	18543	0.39	ng	0.00

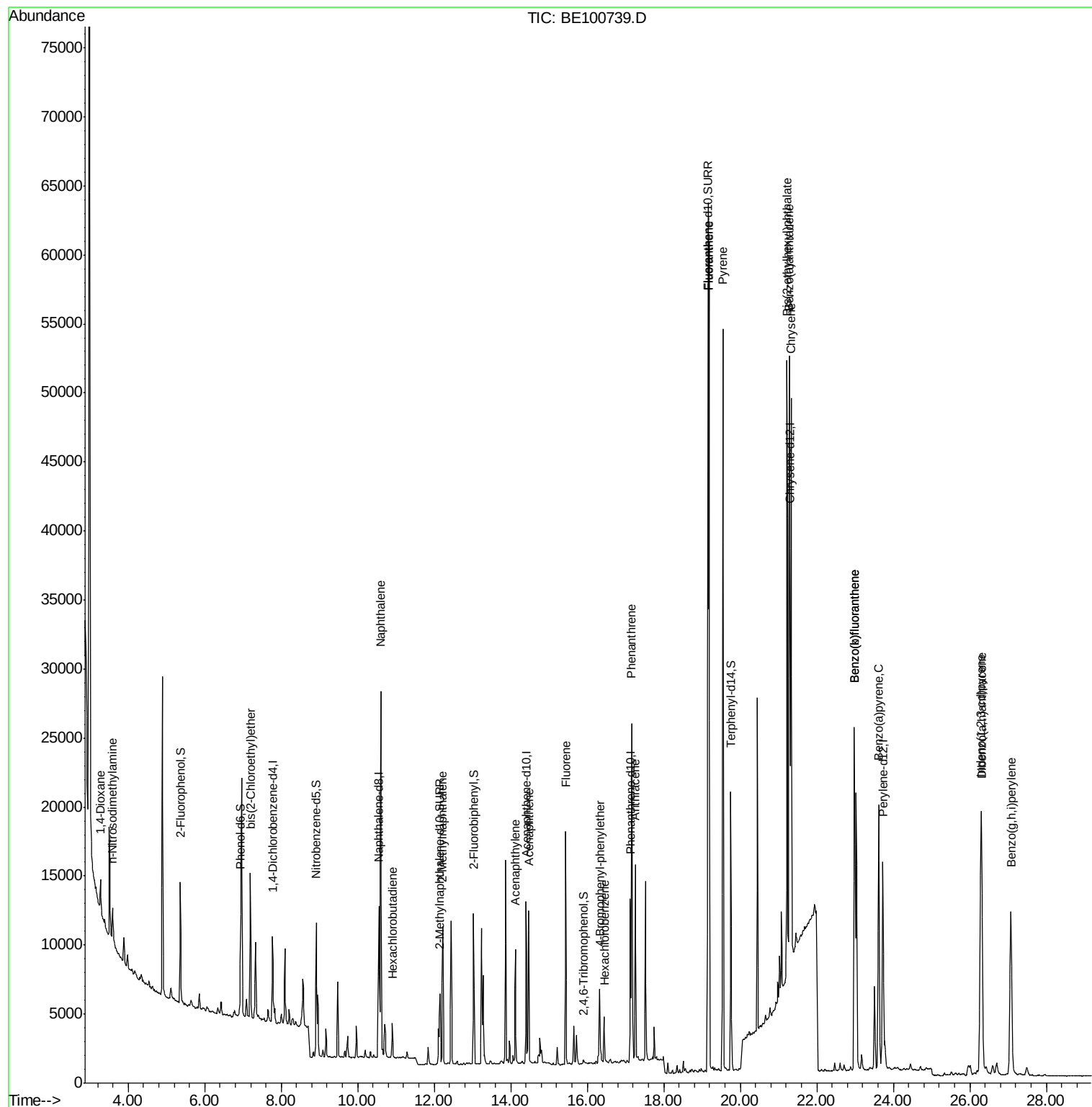
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.28	88	1464	0.288	ng	# 73
3) n-Nitrosodimethylamine	3.59	42	1759	0.349	ng	# 94
6) bis(2-Chloroethyl)ether	7.19	93	3491	0.332	ng	97
9) Naphthalene	10.60	128	41409	0.338	ng	100
10) Hexachlorobutadiene	10.90	225	1679	0.296	ng	97
12) 2-Methylnaphthalene	12.22	142	6964	0.333	ng	96
16) Acenaphthylene	14.13	152	10202	0.336	ng	98
17) Acenaphthene	14.47	154	6648	0.333	ng	99
18) Fluorene	15.43	166	9229	0.338	ng	99
20) 4-Bromophenyl-phenylether	16.33	248	3384	0.362	ng	92
21) Hexachlorobenzene	16.45	284	2643	0.291	ng	100
23) Phenanthrene	17.16	178	30050	0.623	ng	100
24) Anthracene	17.26	178	15161	0.352	ng	99
26) Fluoranthene	19.18	202	52705	0.818	ng	99
28) Pyrene	19.55	202	49627	0.896	ng	98
30) Benzo(a)anthracene	21.28	228	34721	0.543	ng	98
31) Chrysene	21.33	228	34731	0.535	ng	99
32) Bis(2-ethylhexyl)phthalate	21.22	149	57882	0.510	ng	99
33) Indeno(1,2,3-cd)pyrene	26.29	276	32229	0.424	ng	98
35) Benzo(b)fluoranthene	22.98	252	37771	0.609	ng	99
36) Benzo(k)fluoranthene	22.98	252	37771	0.582	ng	98
37) Benzo(a)pyrene	23.62	252	31139	0.539	ng	99
38) Dibenzo(a,h)anthracene	26.31	278	21394	0.355	ng	99
39) Benzo(g,h,i)perylene	27.07	276	29317	0.496	ng	100

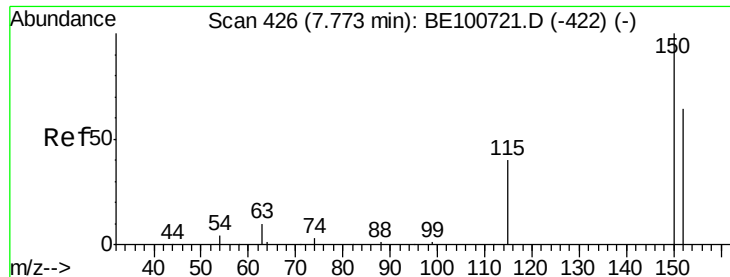
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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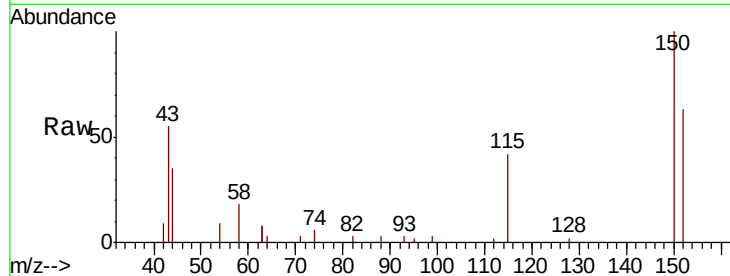


#1

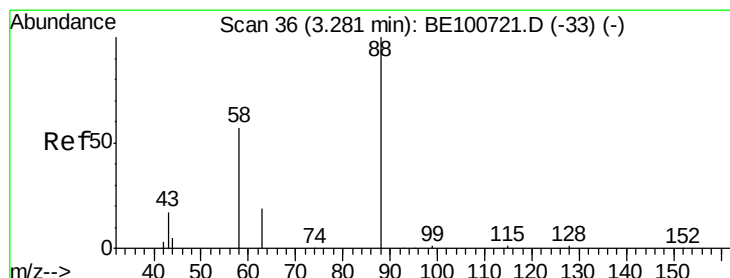
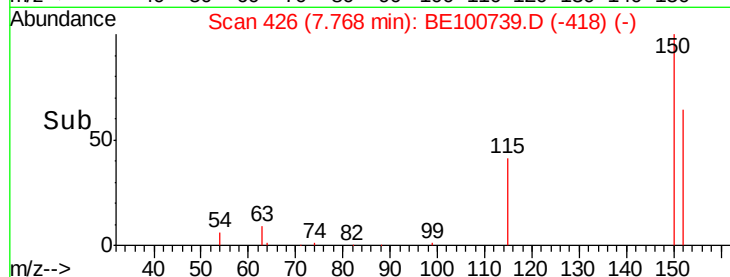
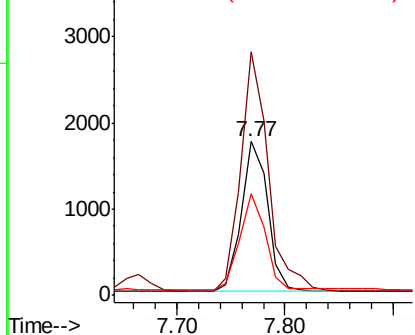
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.77 min Scan# 426
Delta R.T. -0.00 min
Lab File: BE100739.D
Acq: 15 Nov 2019 16:16

Instrument :
BNA_E
ClientSampleId :
PST-024-SW129-110619-1MSD

Tot Ion:152 Resp: 2915
Ion Ratio Lower Upper
152 100
150 158.5 123.4 185.0
115 66.1 52.1 78.1



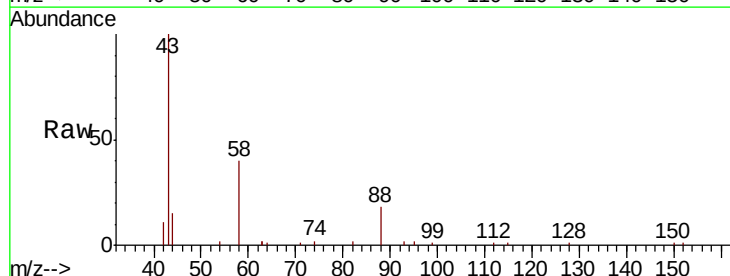
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



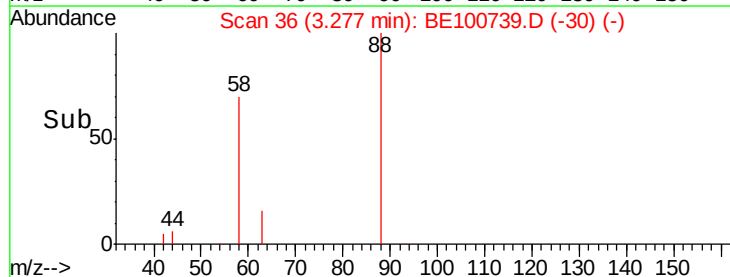
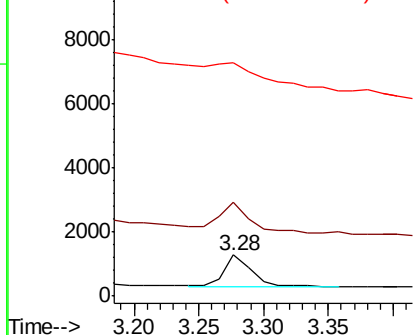
#2

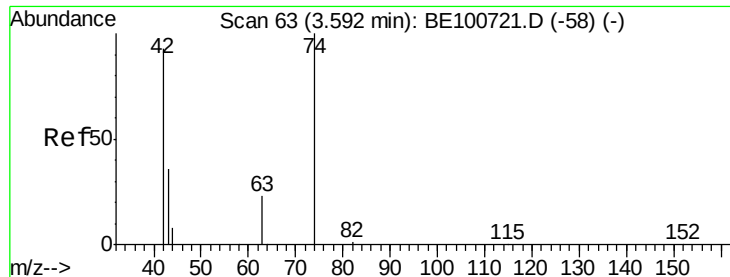
1,4-Dioxane
Concen: 0.288 ng
RT: 3.28 min Scan# 36
Delta R.T. -0.00 min
Lab File: BE100739.D
Acq: 15 Nov 2019 16:16

Tgt Ion: 88 Resp: 1464
Ion Ratio Lower Upper
88 100
58 100.9 69.8 104.8
43 0.0 27.0 40.4#



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: 0.349 ng

RT: 3.59 min Scan# 63

Delta R.T. -0.00 min

Lab File: BE100739.D

Acq: 15 Nov 2019 16:16

Instrument :

BNA_E

ClientSampleId :

PST-024-SW129-110619-1MSD

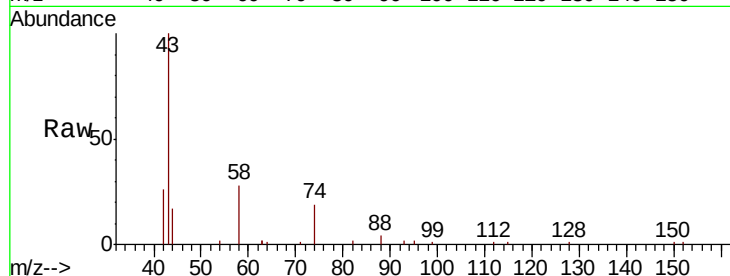
Tot Ion: 42 Resp: 1759

Ion Ratio Lower Upper

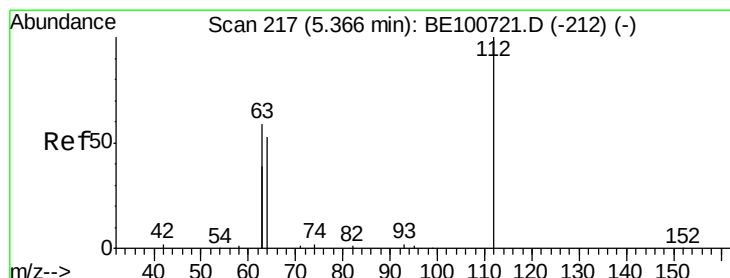
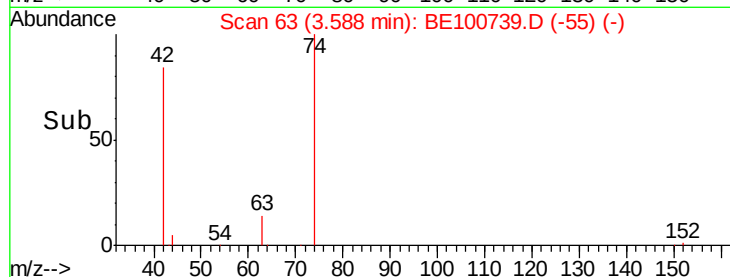
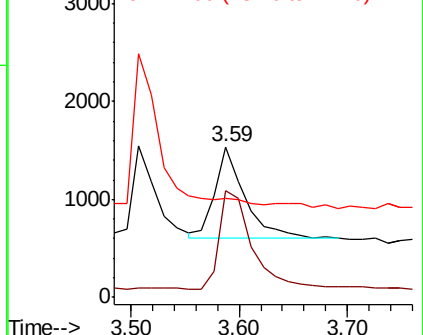
42 100

74 122.2 99.7 149.5

44 0.0 11.8 17.8#



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: 0.486 ng

RT: 5.36 min Scan# 217

Delta R.T. -0.00 min

Lab File: BE100739.D

Acq: 15 Nov 2019 16:16

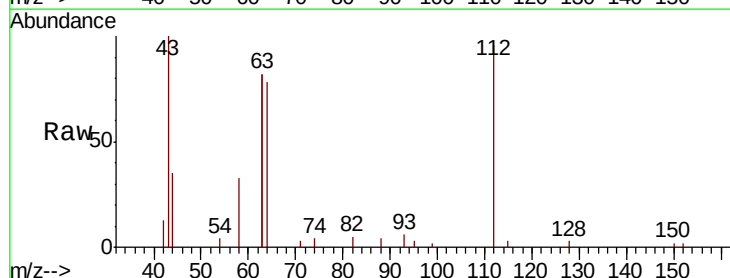
Tgt Ion: 112 Resp: 4136

Ion Ratio Lower Upper

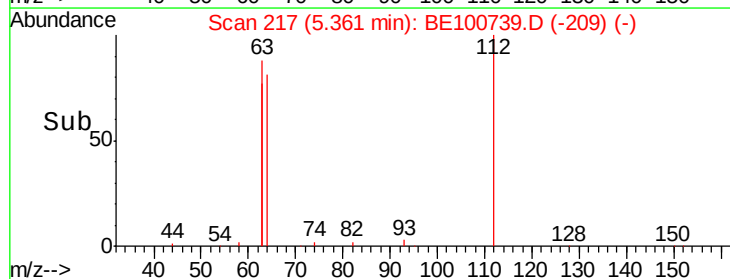
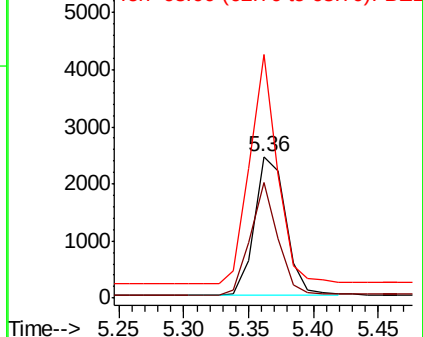
112 100

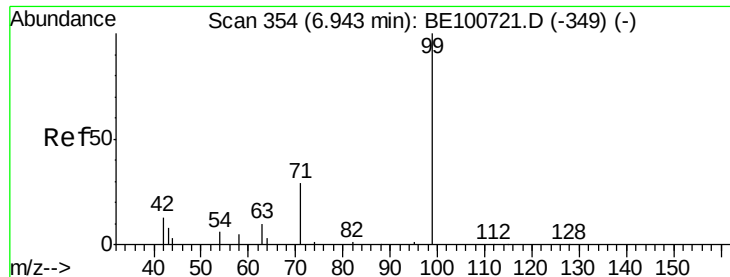
64 70.7 58.3 87.5

63 145.3 115.4 173.2



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE1
Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.470 ng

RT: 6.94 min Scan# 354

Delta R.T. -0.00 min

Lab File: BE100739.D

Acq: 15 Nov 2019 16:16

Instrument :

BNA_E

ClientSampleId :

PST-024-SW129-110619-1MSD

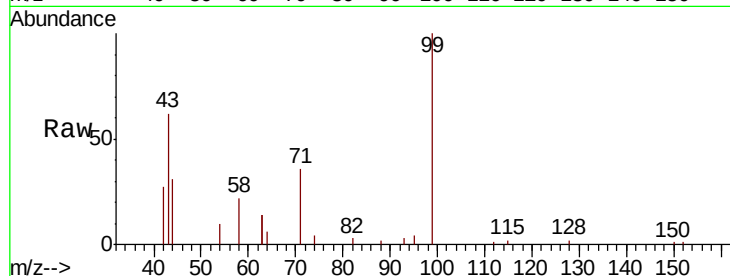
Tot Ion: 99 Resp: 5657

Ion Ratio Lower Upper

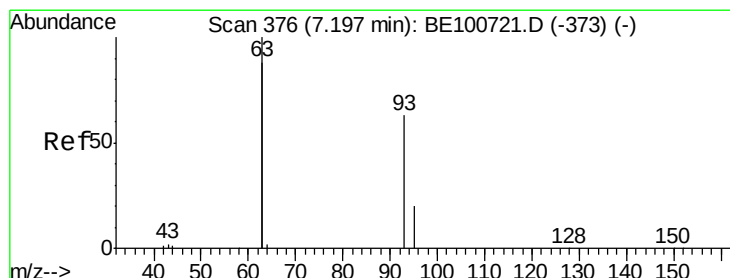
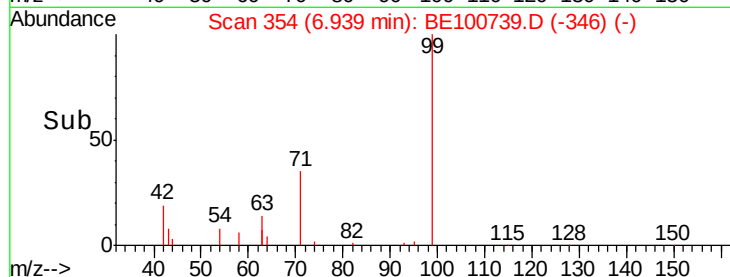
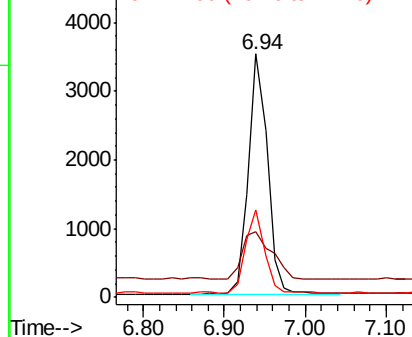
99 100

42 30.9 17.8 26.6#

71 34.9 27.3 40.9



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: 0.332 ng

RT: 7.19 min Scan# 376

Delta R.T. -0.00 min

Lab File: BE100739.D

Acq: 15 Nov 2019 16:16

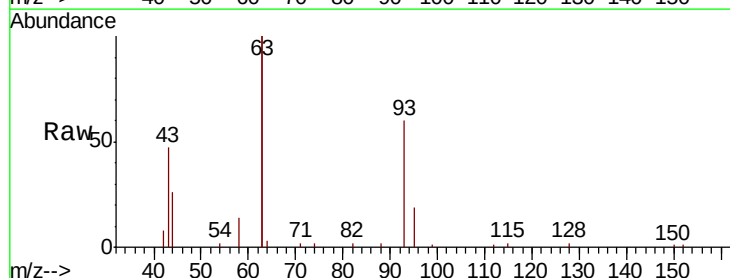
Tgt Ion: 93 Resp: 3491

Ion Ratio Lower Upper

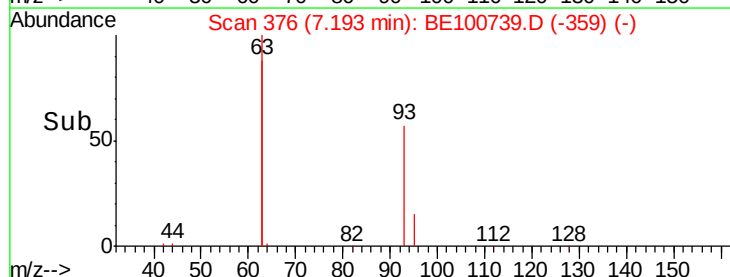
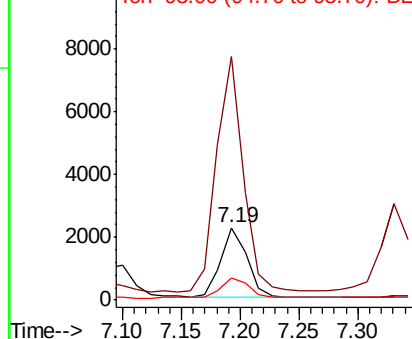
93 100

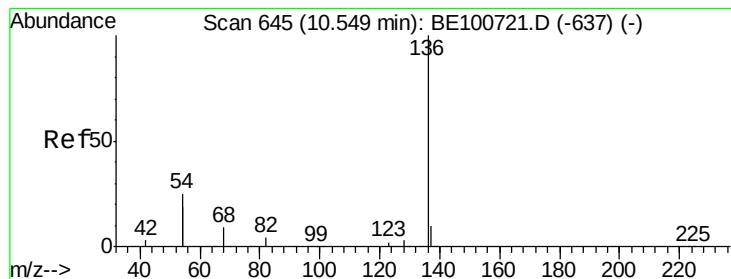
63 333.4 260.7 391.1

95 30.9 24.2 36.2



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: 10.55 min Scan# 646

Delta R.T. 0.00 min

Lab File: BE100739.D

Acq: 15 Nov 2019 16:16

Instrument :

BNA_E

ClientSampleId :

PST-024-SW129-110619-1MSD

Tot Ion:136 Resp: 11834

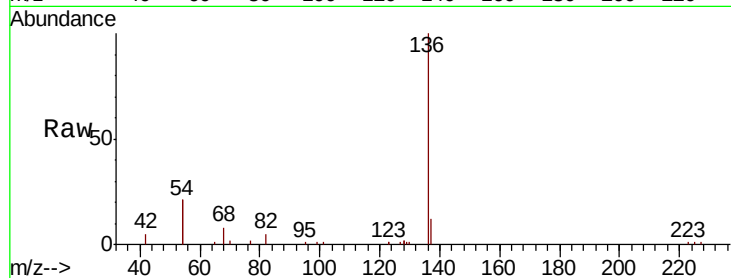
Ion Ratio Lower Upper

136 100

137 11.5 9.1 13.7

54 42.6 39.0 58.6

68 8.5 7.8 11.8

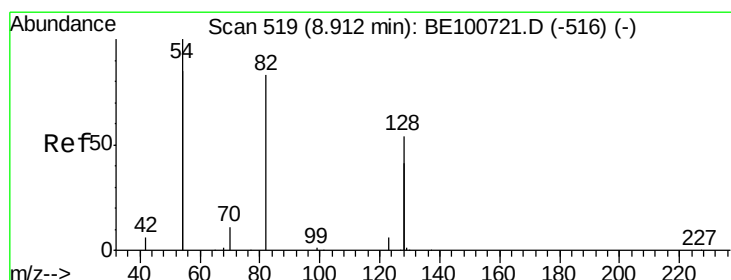
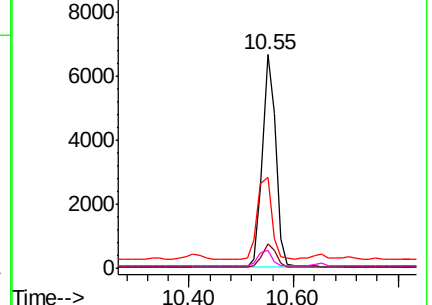
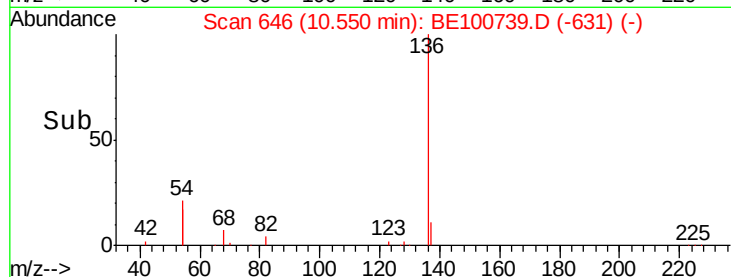


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.352 ng

RT: 8.91 min Scan# 520

Delta R.T. 0.00 min

Lab File: BE100739.D

Acq: 15 Nov 2019 16:16

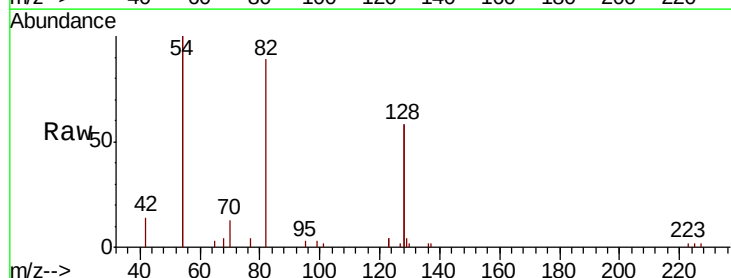
Tgt Ion: 82 Resp: 3540

Ion Ratio Lower Upper

82 100

128 131.2 99.6 149.4

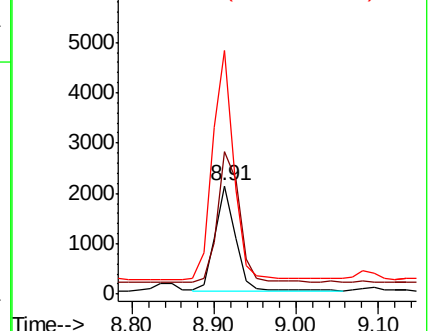
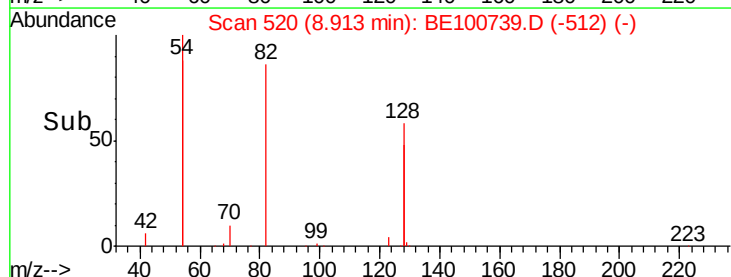
54 224.5 183.8 275.8

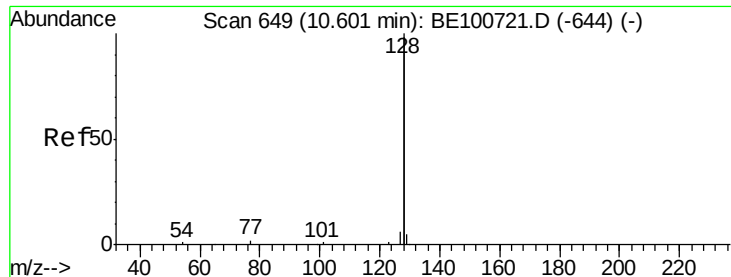


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.338 ng

RT: 10.60 min Scan# 650

Delta R.T. 0.00 min

Lab File: BE100739.D

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ClientSampleId :

PST-024-SW129-110619-1MSD

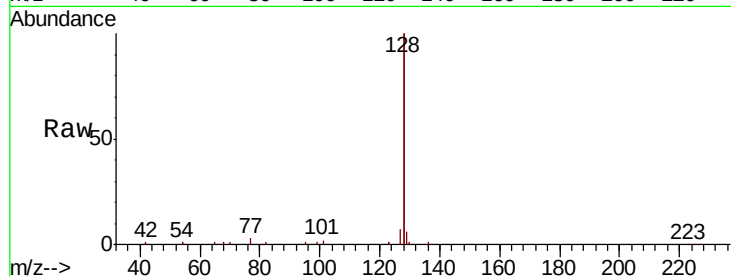
Tot Ion:128 Resp: 41409

Ion Ratio Lower Upper

128 100

129 3.0 2.4 3.6

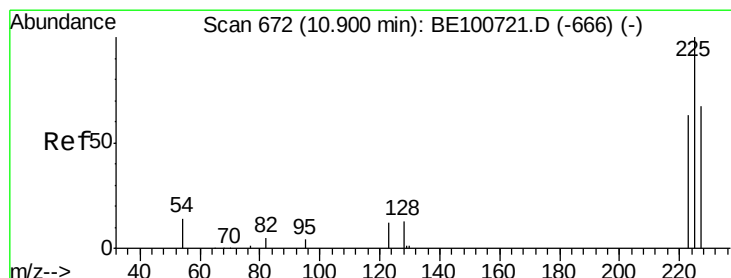
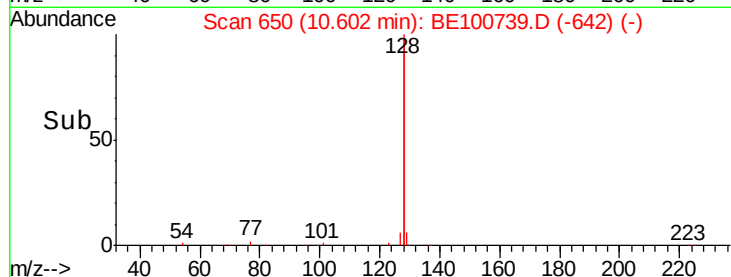
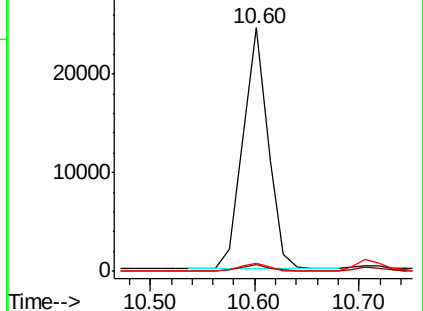
127 3.4 2.7 4.1



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: 0.296 ng

RT: 10.90 min Scan# 673

Delta R.T. 0.00 min

Lab File: BE100739.D

Acq: 15 Nov 2019 16:16

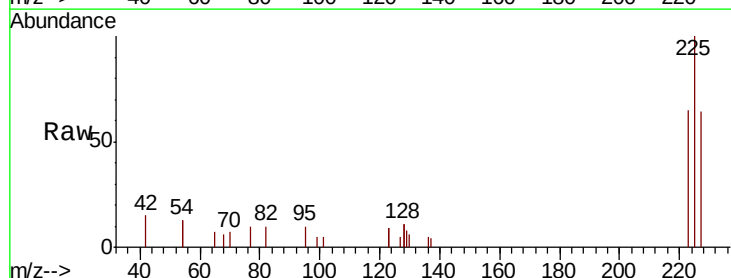
Tgt Ion:225 Resp: 1679

Ion Ratio Lower Upper

225 100

223 65.2 50.6 76.0

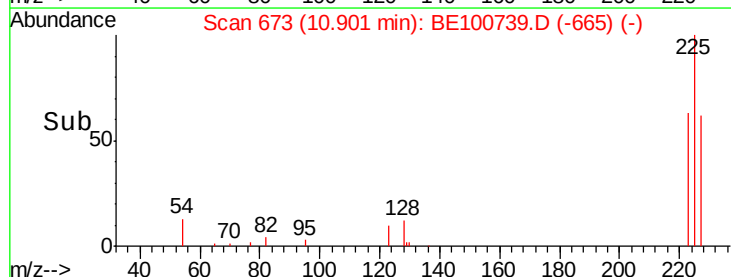
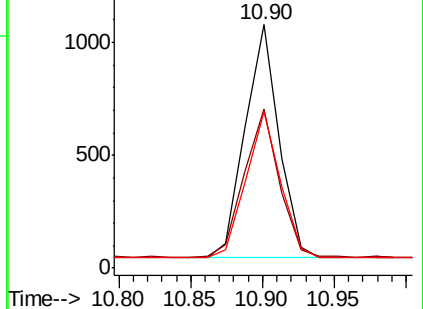
227 63.8 53.0 79.6

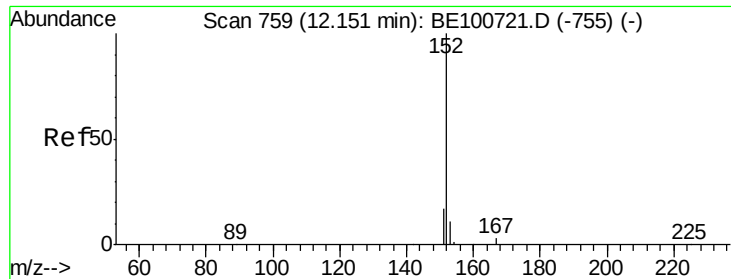


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

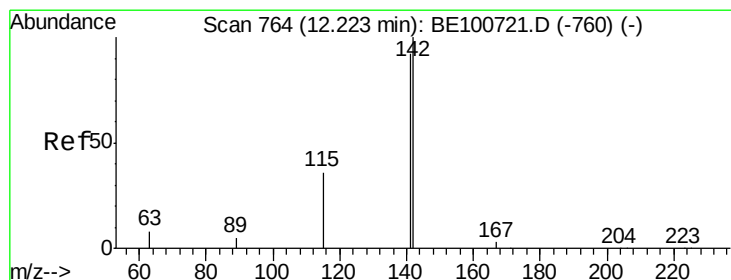
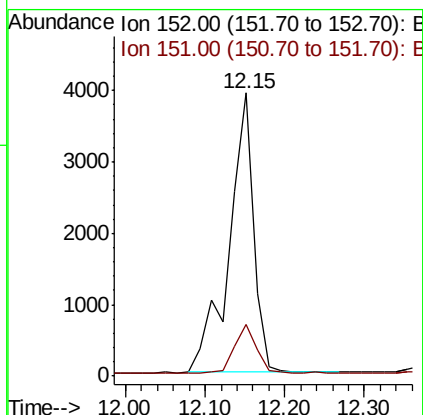
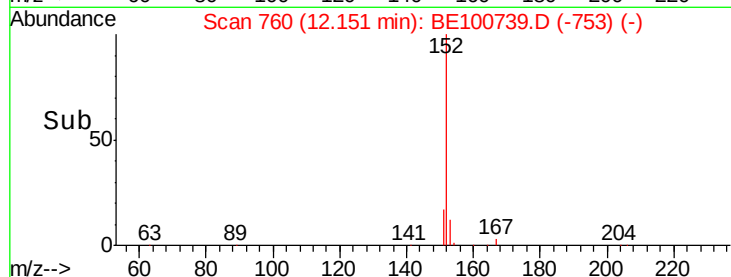
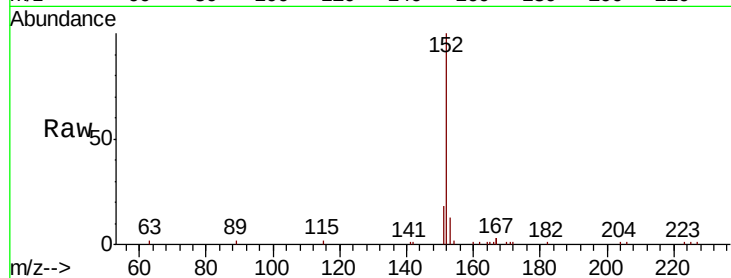




#11
 2-Methylnaphthalene-d10
 Concen: 0.445 ng
 RT: 12.15 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: BE100739.D
 Acq: 15 Nov 2019 16:16

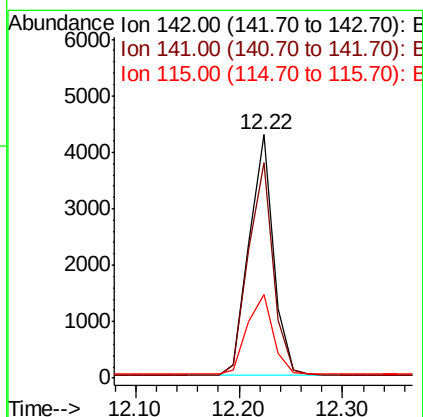
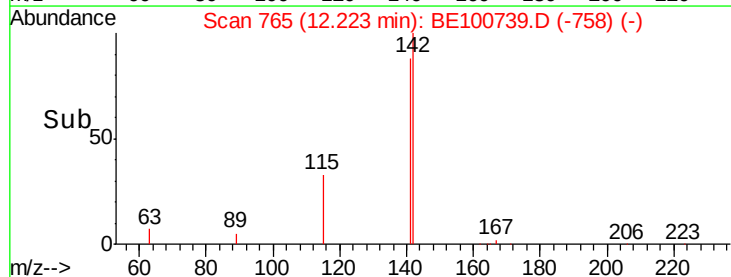
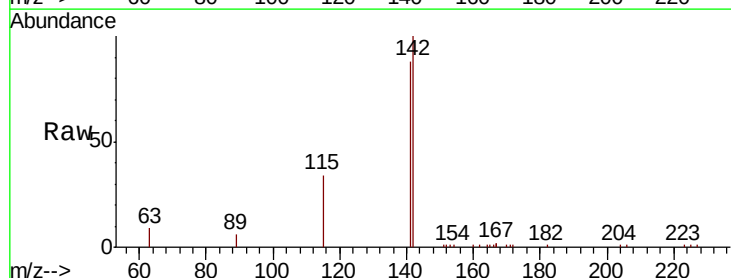
Instrument :
 BNA_E
 ClientSampleId :
 PST-024-SW129-110619-1MSD

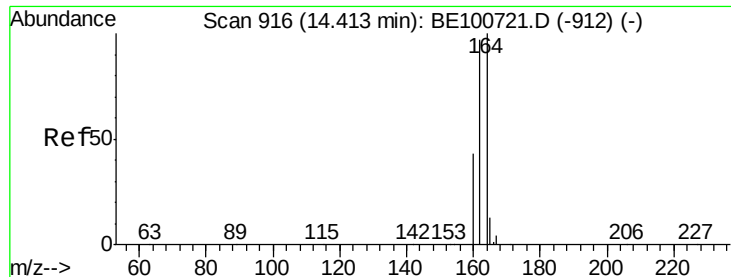
Tot Ion:152 Resp: 8391
 Ion Ratio Lower Upper
 152 100
 151 14.7 14.2 21.4



#12
 2-Methylnaphthalene
 Concen: 0.333 ng
 RT: 12.22 min Scan# 765
 Delta R.T. 0.00 min
 Lab File: BE100739.D
 Acq: 15 Nov 2019 16:16

Tgt Ion:142 Resp: 6964
 Ion Ratio Lower Upper
 142 100
 141 88.4 73.3 109.9
 115 34.4 29.9 44.9

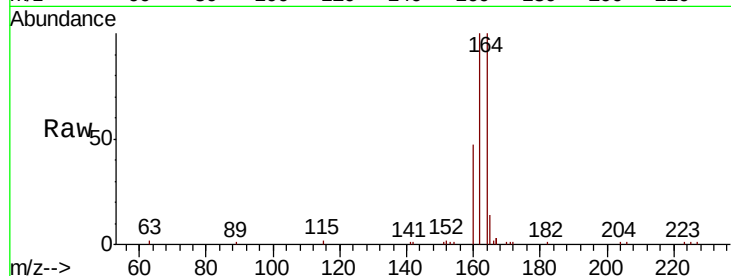




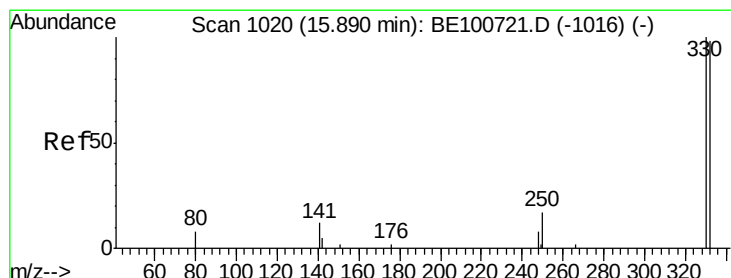
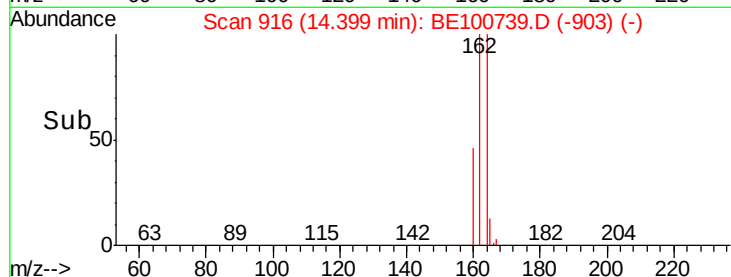
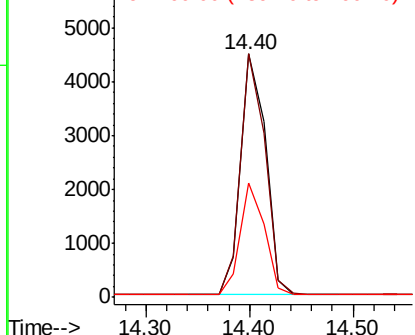
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.40 min Scan# 916
Delta R.T. -0.01 min
Lab File: BE100739.D
Acq: 15 Nov 2019 16:16

Instrument :
BNA_E
ClientSampleId :
PST-024-SW129-110619-1MSD

Tot Ion:164 Resp: 7509
Ion Ratio Lower Upper
164 100
162 99.9 77.8 116.8
160 46.8 35.3 52.9

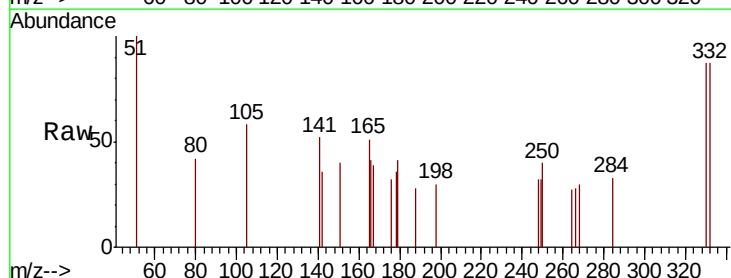


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

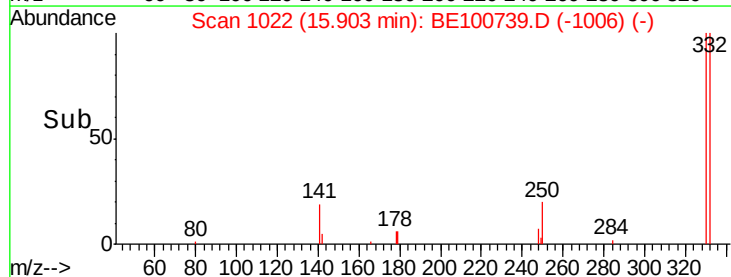
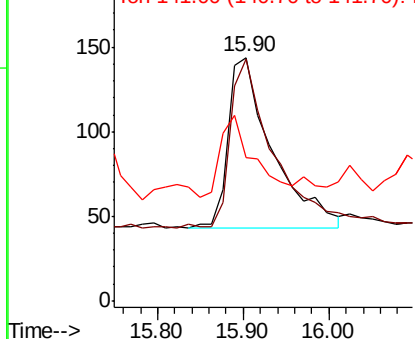


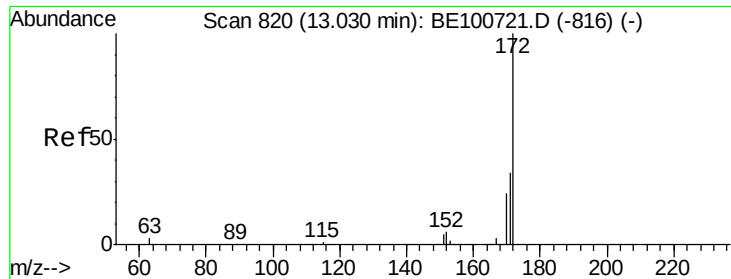
#14
2,4,6-Tribromophenol
Concen: 0.586 ng
RT: 15.90 min Scan# 1022
Delta R.T. 0.01 min
Lab File: BE100739.D
Acq: 15 Nov 2019 16:16

Tgt Ion:330 Resp: 361
Ion Ratio Lower Upper
330 100
332 94.5 85.0 127.6
141 36.8 28.2 42.2



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

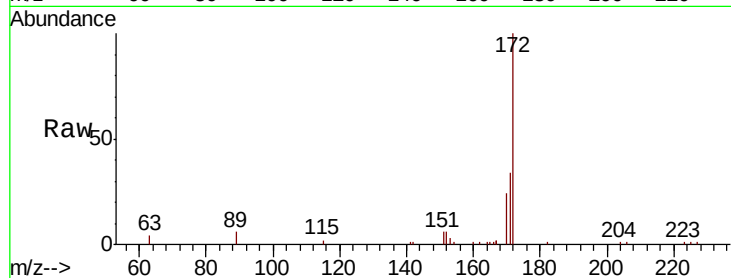




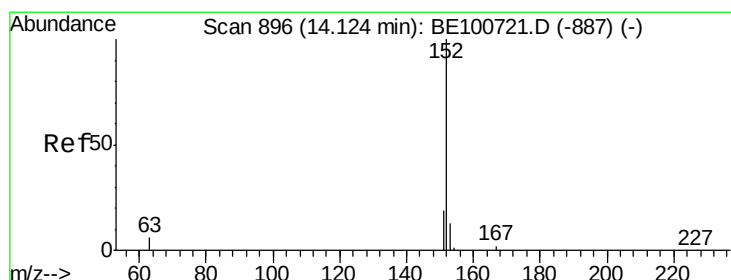
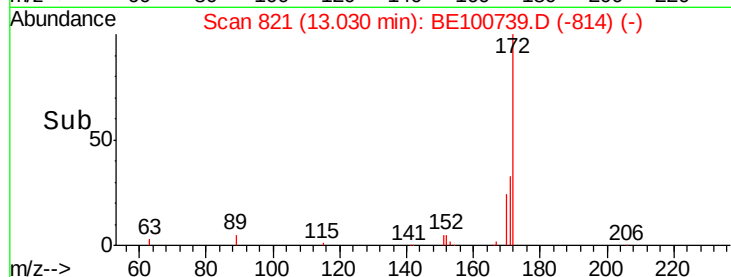
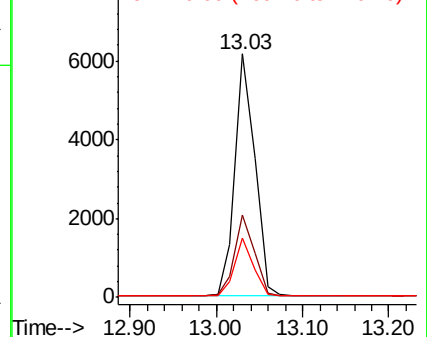
#15
2-Fluorobiphenyl
Concen: 0.352 ng
RT: 13.03 min Scan# 821
Delta R.T. 0.00 min
Lab File: BE100739.D
Acq: 15 Nov 2019 16:16

Instrument :
BNA_E
ClientSampleId :
PST-024-SW129-110619-1MSD

Tot Ion:172 Resp: 9706
Ion Ratio Lower Upper
172 100
171 34.0 28.1 42.1
170 24.3 19.8 29.6

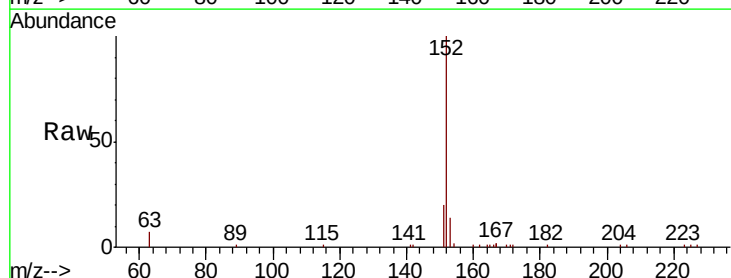


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

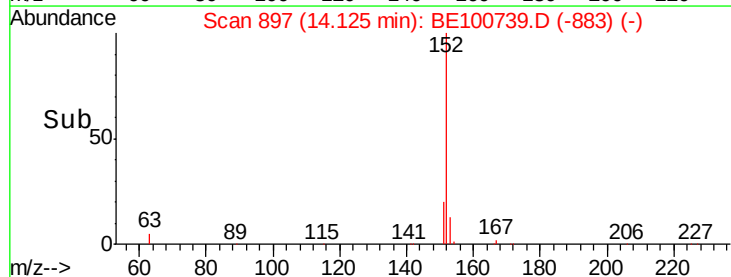
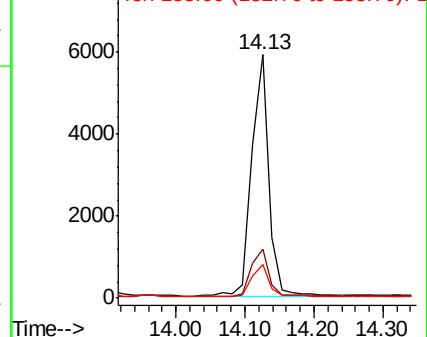


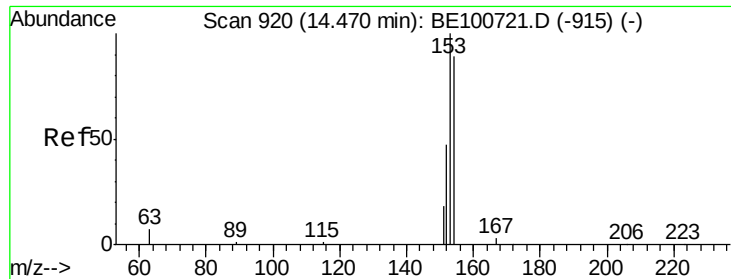
#16
Acenaphthylene
Concen: 0.336 ng
RT: 14.13 min Scan# 897
Delta R.T. 0.00 min
Lab File: BE100739.D
Acq: 15 Nov 2019 16:16

Tgt Ion:152 Resp: 10202
Ion Ratio Lower Upper
152 100
151 19.9 14.9 22.3
153 13.2 10.7 16.1



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

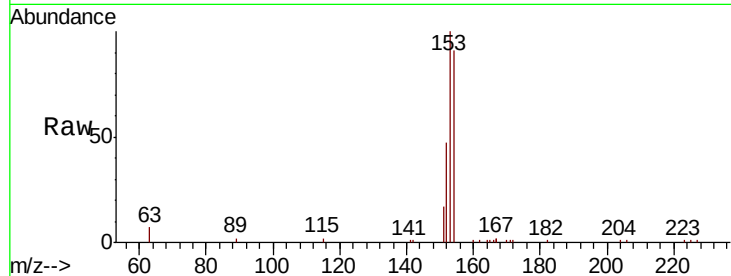




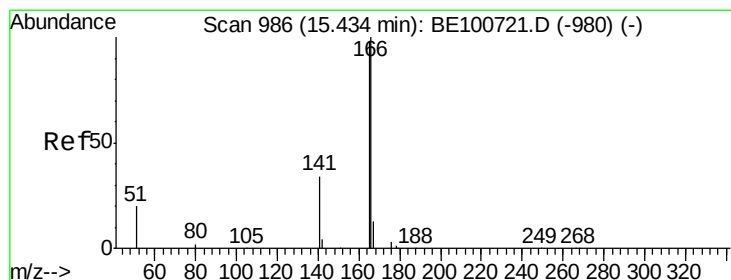
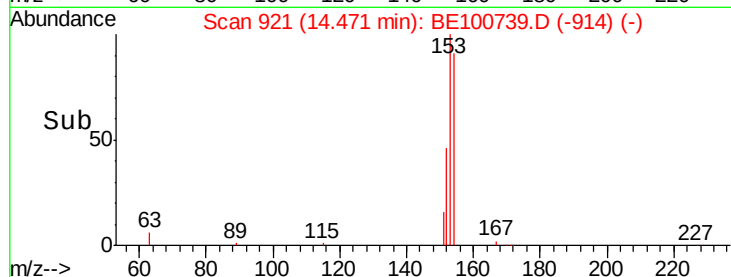
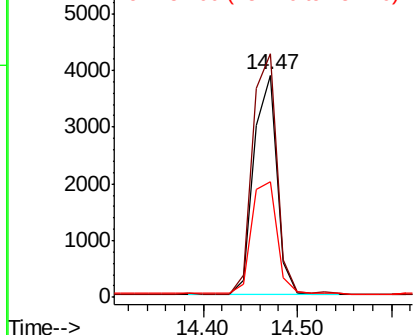
#17
Acenaphthene
Concen: 0.333 ng
RT: 14.47 min Scan# 921
Delta R.T. 0.00 min
Lab File: BE100739.D
Acq: 15 Nov 2019 16:16

Instrument :
BNA_E
ClientSampleId :
PST-024-SW129-110619-1MSD

Tot Ion:154 Resp: 6648
Ion Ratio Lower Upper
154 100
153 115.9 91.9 137.9
152 55.7 44.8 67.2

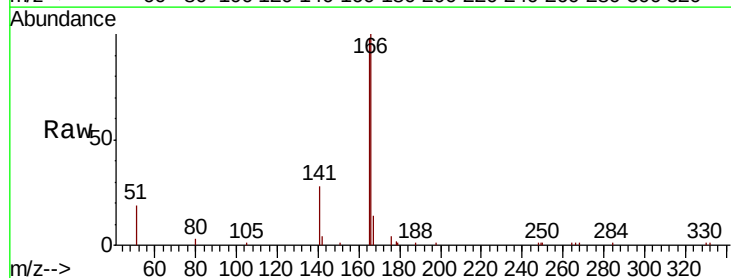


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

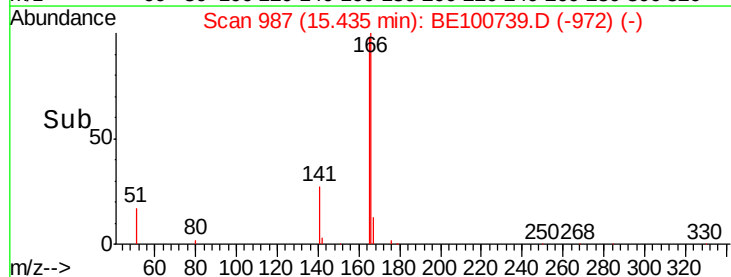
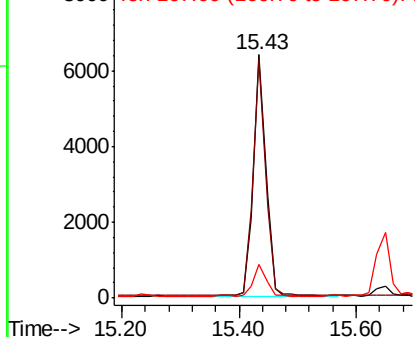


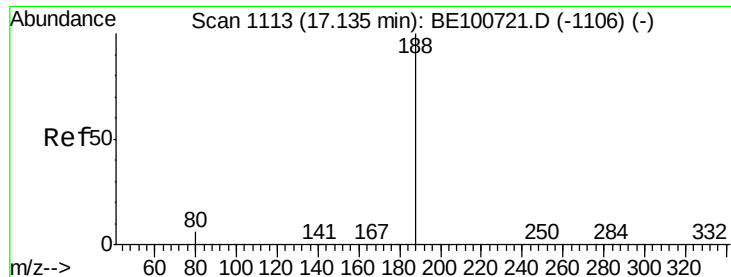
#18
Fluorene
Concen: 0.338 ng
RT: 15.43 min Scan# 987
Delta R.T. 0.00 min
Lab File: BE100739.D
Acq: 15 Nov 2019 16:16

Tgt Ion:166 Resp: 9229
Ion Ratio Lower Upper
166 100
165 98.5 78.2 117.4
167 13.6 10.6 16.0



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# 1113

Delta R.T. -0.01 min

Lab File: BE100739.D

Acq: 15 Nov 2019 16:16

Instrument :

BNA_E

ClientSampleId :

PST-024-SW129-110619-1MSD

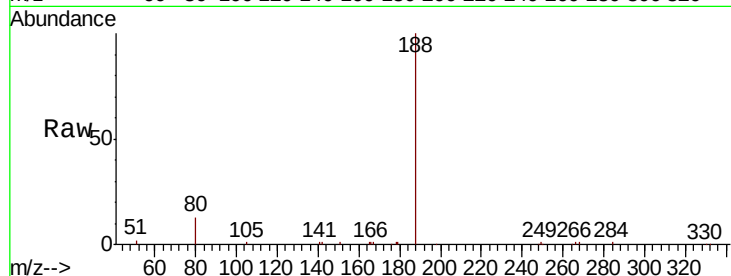
Tot Ion:188 Resp: 17692

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

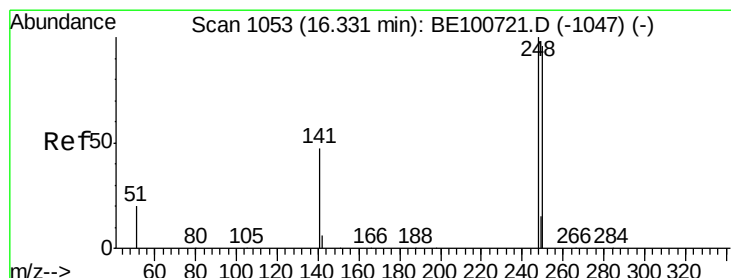
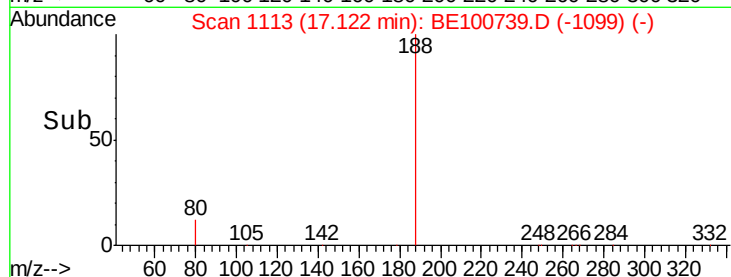
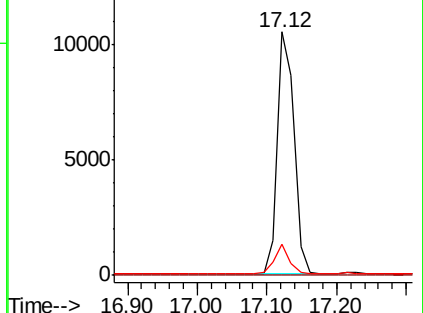
80 12.8 5.4 8.0#



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: 0.362 ng

RT: 16.33 min Scan# 1054

Delta R.T. 0.00 min

Lab File: BE100739.D

Acq: 15 Nov 2019 16:16

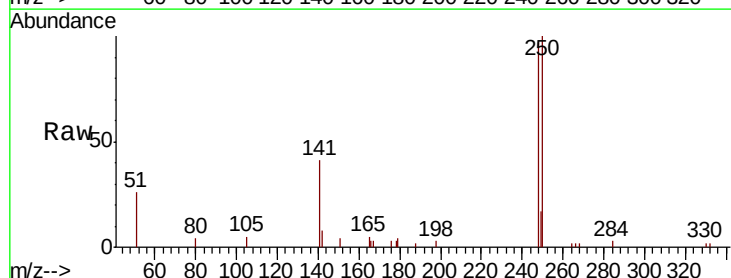
Tgt Ion:248 Resp: 3384

Ion Ratio Lower Upper

248 100

250 103.5 77.1 115.7

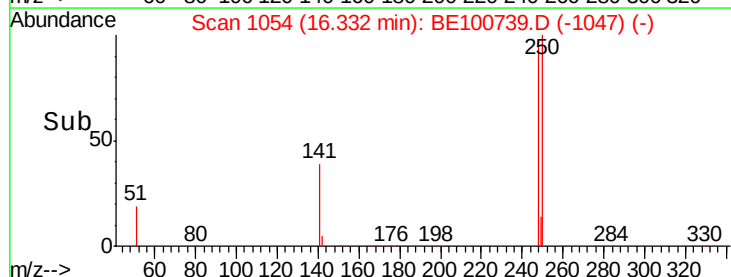
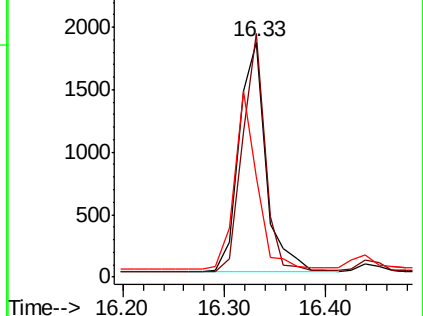
141 42.6 38.6 58.0

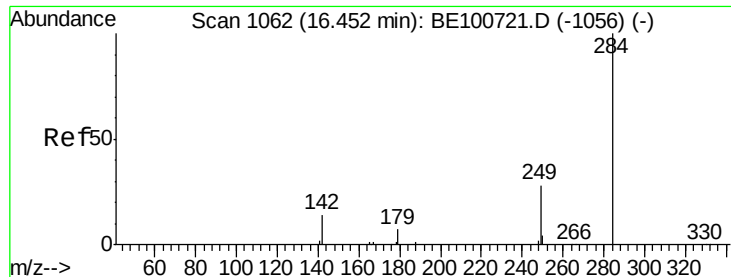


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.291 ng

RT: 16.45 min Scan# 1063

Delta R.T. 0.00 min

Lab File: BE100739.D

Acq: 15 Nov 2019 16:16

Instrument :

BNA_E

ClientSampleId :

PST-024-SW129-110619-1MSD

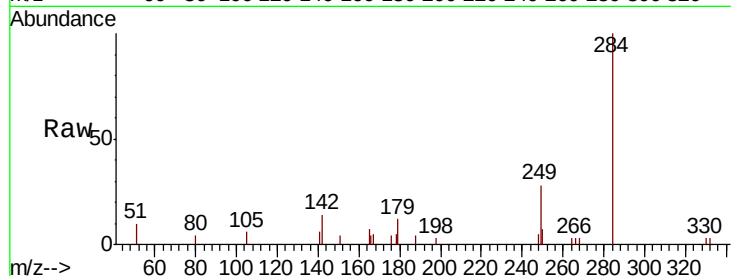
Tot Ion:284 Resp: 2643

Ion Ratio Lower Upper

284 100

142 35.6 28.2 42.2

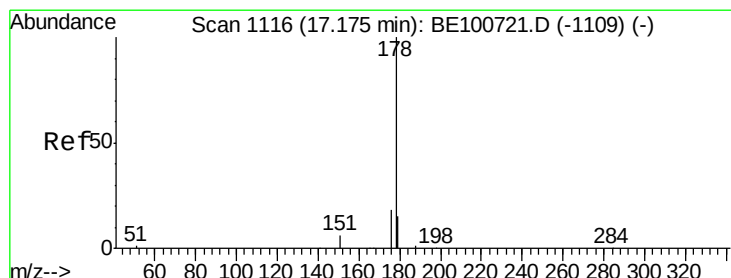
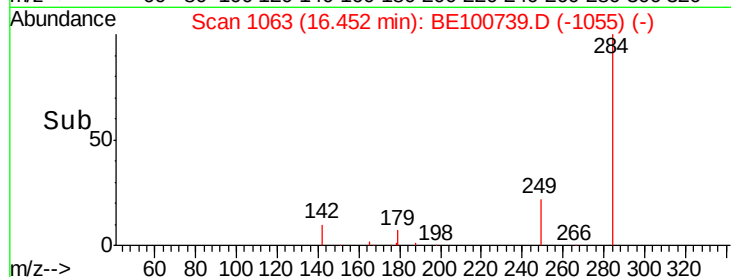
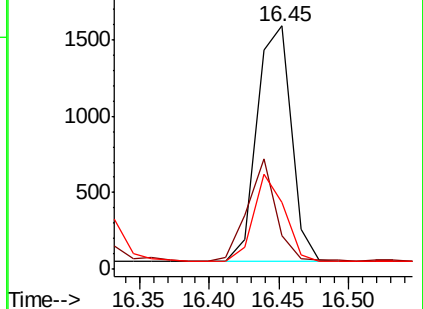
249 33.2 26.5 39.7



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



#23

Phenanthrene

Concen: 0.623 ng

RT: 17.16 min Scan# 1116

Delta R.T. -0.01 min

Lab File: BE100739.D

Acq: 15 Nov 2019 16:16

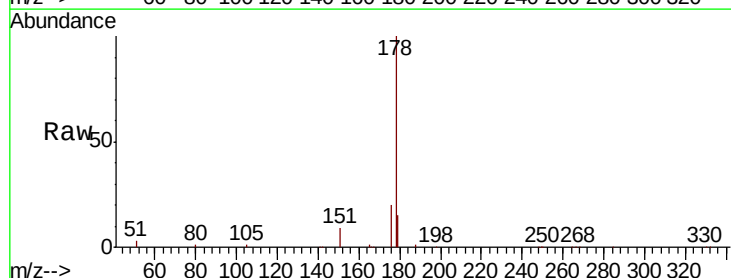
Tgt Ion:178 Resp: 30050

Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.4

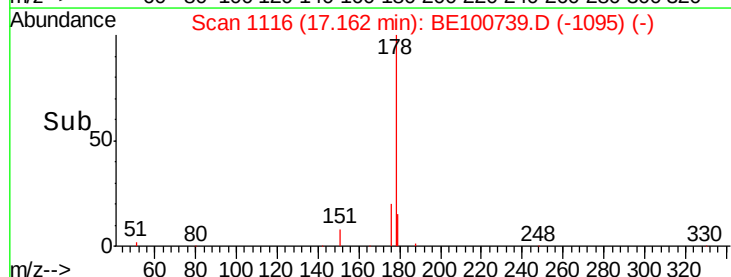
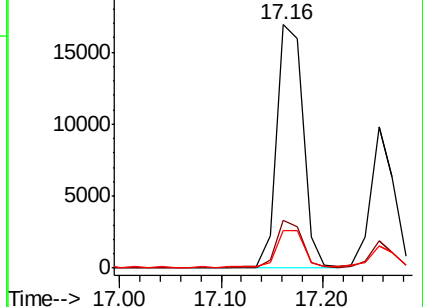
179 15.6 12.6 18.8

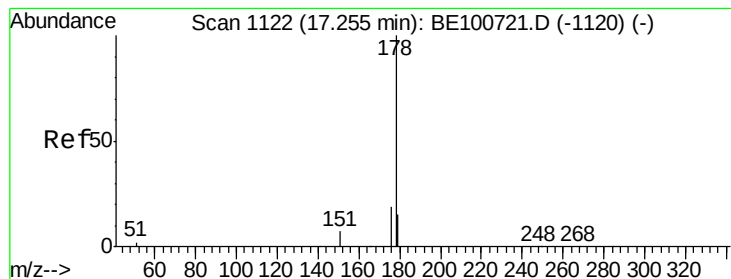


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.352 ng

RT: 17.26 min Scan# 1123

Delta R.T. 0.00 min

Lab File: BE100739.D

Acq: 15 Nov 2019 16:16

Instrument :

BNA_E

ClientSampleId :

PST-024-SW129-110619-1MSD

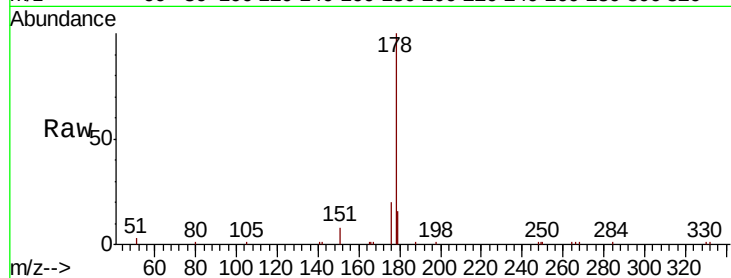
Tot Ion:178 Resp: 15161

Ion Ratio Lower Upper

178 100

176 18.4 14.6 21.8

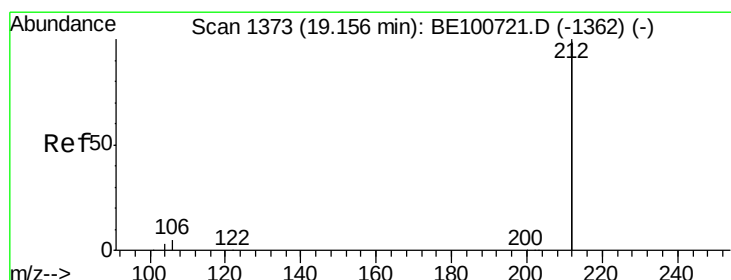
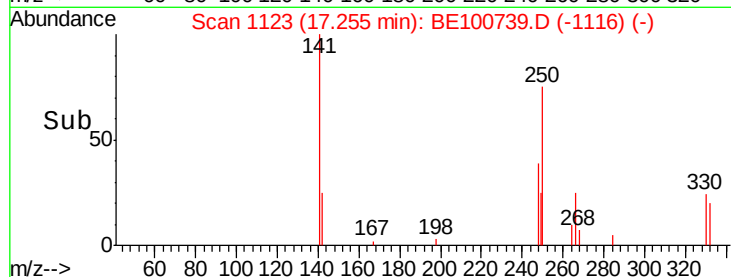
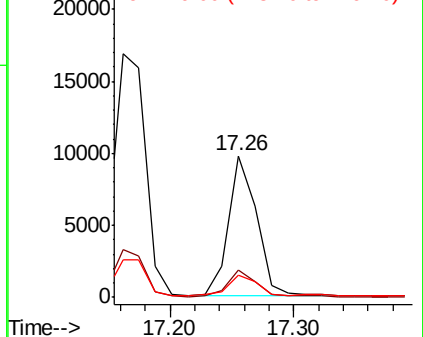
179 15.3 12.6 18.8



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



#25

Fluoranthene-d10

Concen: 0.348 ng

RT: 19.15 min Scan# 1374

Delta R.T. -0.00 min

Lab File: BE100739.D

Acq: 15 Nov 2019 16:16

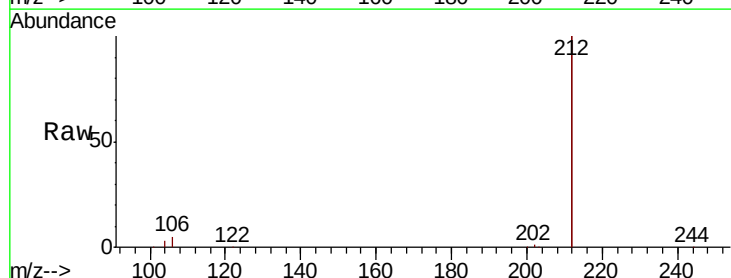
Tgt Ion:212 Resp: 81363

Ion Ratio Lower Upper

212 100

106 2.7 2.2 3.4

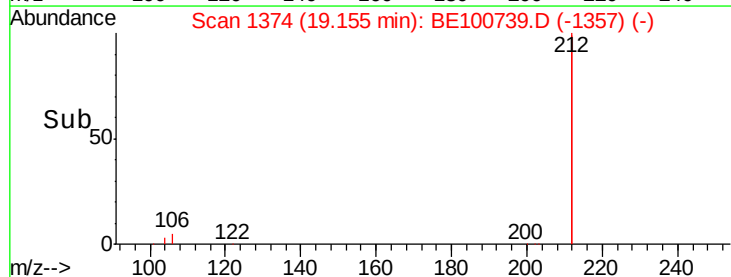
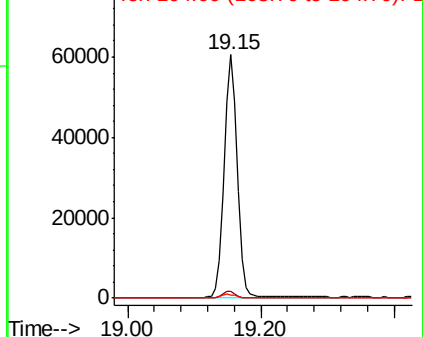
104 1.5 1.2 1.8

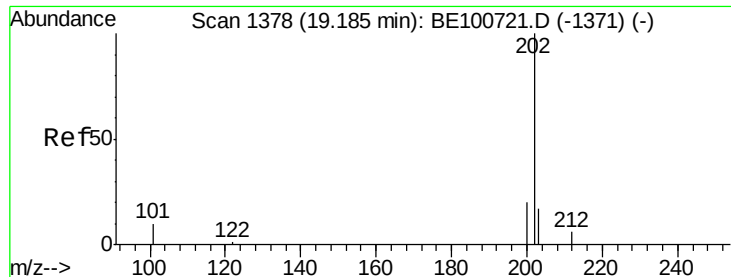


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

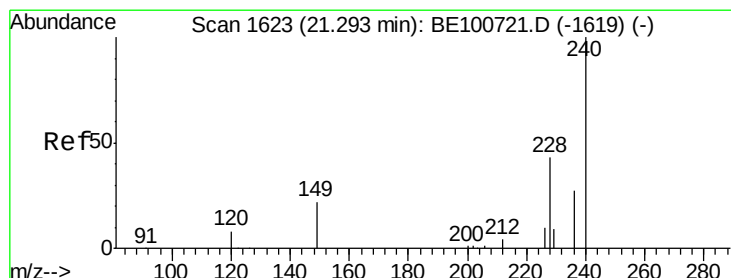
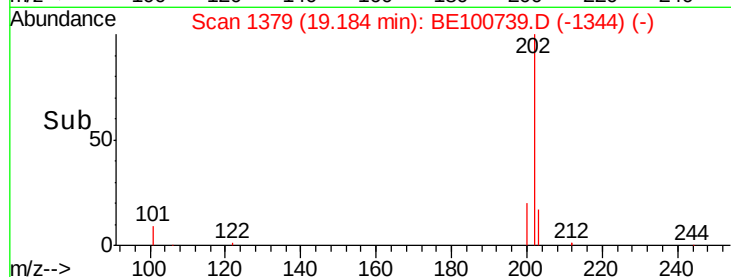
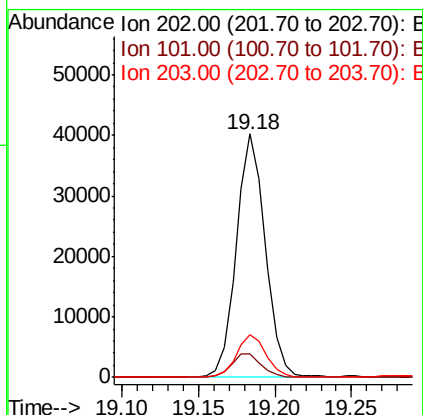
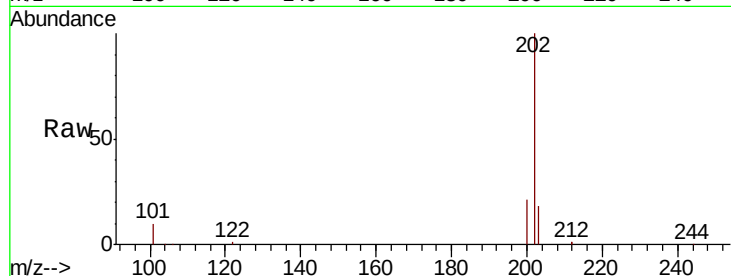




#26
Fluoranthene
Concen: 0.818 ng
RT: 19.18 min Scan# 1379
Delta R.T. -0.00 min
Lab File: BE100739.D
Acq: 15 Nov 2019 16:16

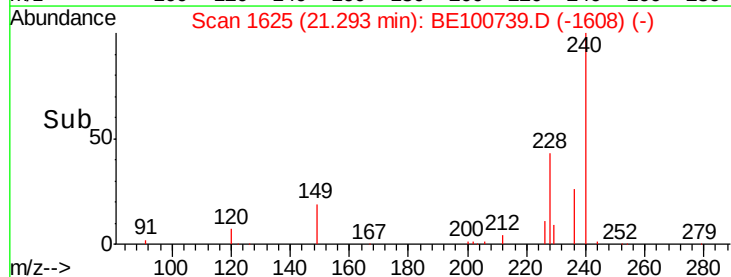
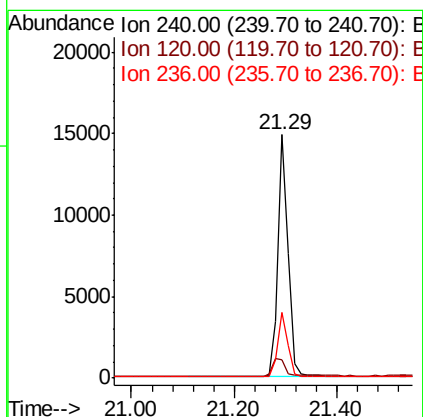
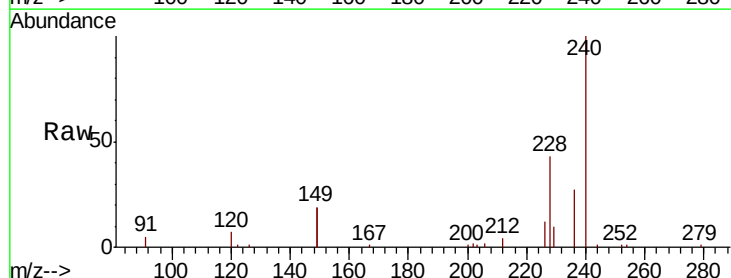
Instrument :
BNA_E
ClientSampleId :
PST-024-SW129-110619-1MSD

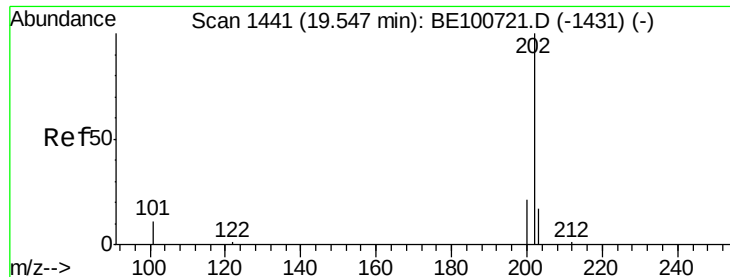
Tot Ion:202 Resp: 52705
Ion Ratio Lower Upper
202 100
101 9.8 8.6 12.8
203 17.3 13.6 20.4



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.29 min Scan# 1625
Delta R.T. 0.00 min
Lab File: BE100739.D
Acq: 15 Nov 2019 16:16

Tgt Ion:240 Resp: 19922
Ion Ratio Lower Upper
240 100
120 7.5 7.4 11.0
236 26.9 21.8 32.6

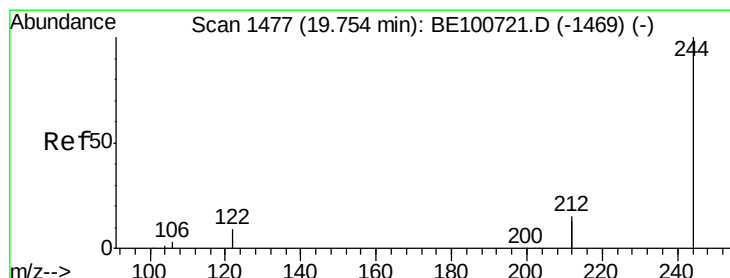
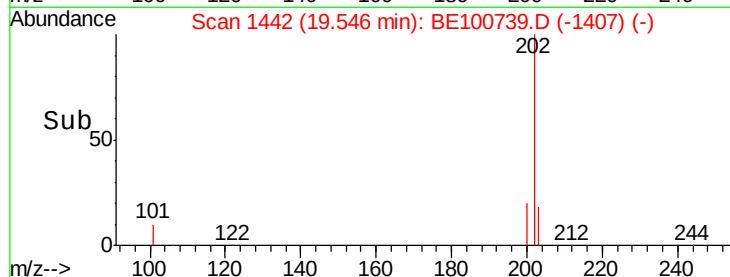
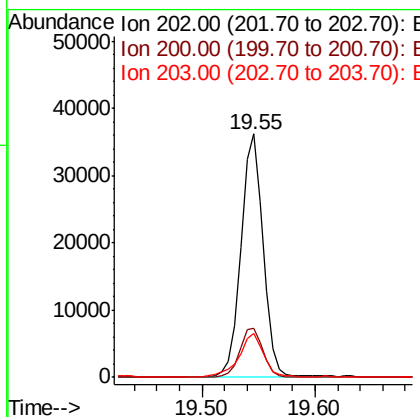
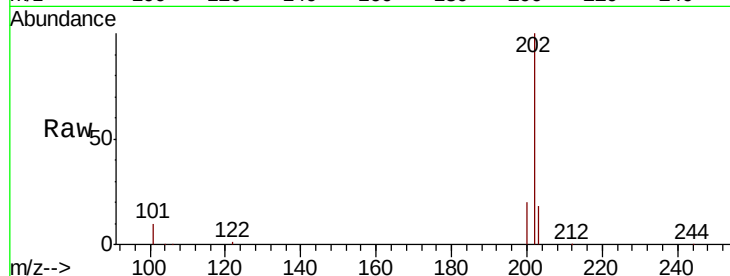




#28
Pvrene
Concen: 0.896 ng
RT: 19.55 min Scan# 1442
Delta R.T. -0.00 min
Lab File: BE100739.D
Acq: 15 Nov 2019 16:16

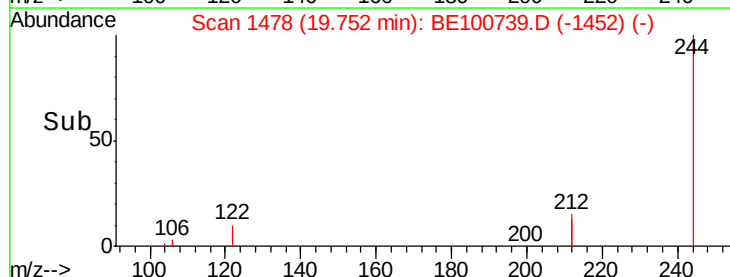
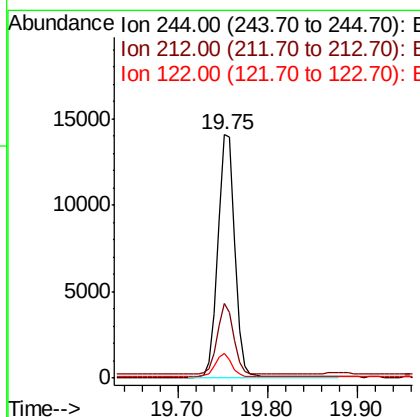
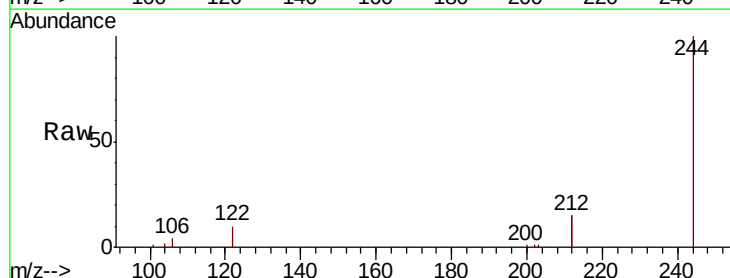
Instrument :
BNA_E
ClientSampleId :
PST-024-SW129-110619-1MSD

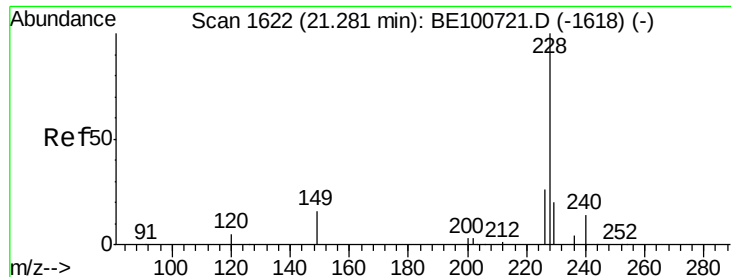
Tot Ion:202 Resp: 49627
Ion Ratio Lower Upper
202 100
200 21.0 17.0 25.4
203 19.4 14.0 21.0



#29
Terphenyl-d14
Concen: 0.390 ng
RT: 19.75 min Scan# 1478
Delta R.T. -0.00 min
Lab File: BE100739.D
Acq: 15 Nov 2019 16:16

Tgt Ion:244 Resp: 18543
Ion Ratio Lower Upper
244 100
212 30.8 24.3 36.5
122 10.3 7.6 11.4





#30

Benzo(a)anthracene

Concen: 0.543 ng

RT: 21.28 min Scan# 1624

Delta R.T. 0.00 min

Lab File: BE100739.D

Acq: 15 Nov 2019 16:16

Instrument :

BNA_E

ClientSampleId :

PST-024-SW129-110619-1MSD

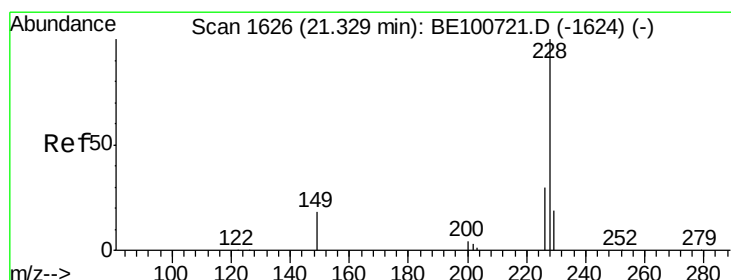
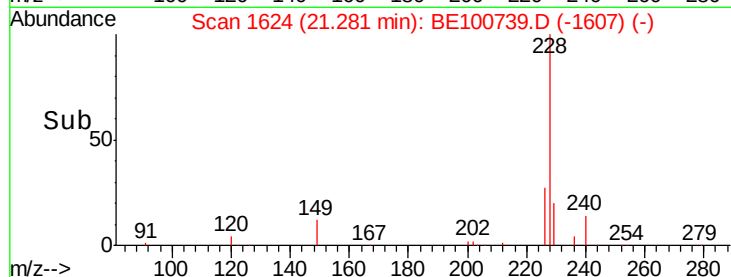
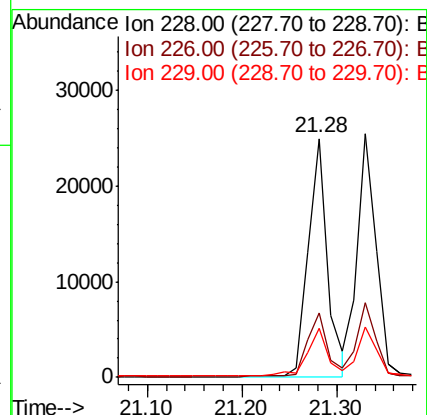
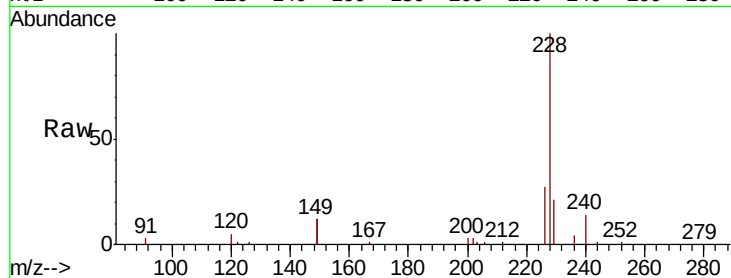
Tot Ion:228 Resp: 34721

Ion Ratio Lower Upper

228 100

226 27.1 21.1 31.7

229 20.7 15.9 23.9



#31

Chrysene

Concen: 0.535 ng

RT: 21.33 min Scan# 1628

Delta R.T. 0.00 min

Lab File: BE100739.D

Acq: 15 Nov 2019 16:16

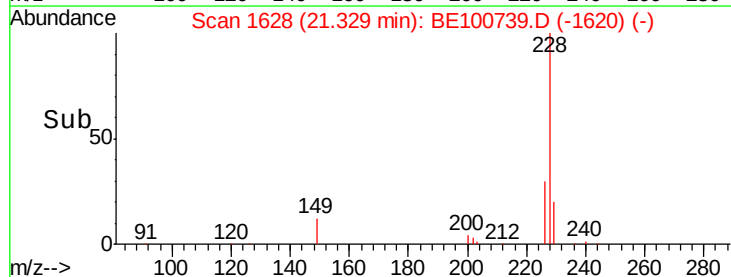
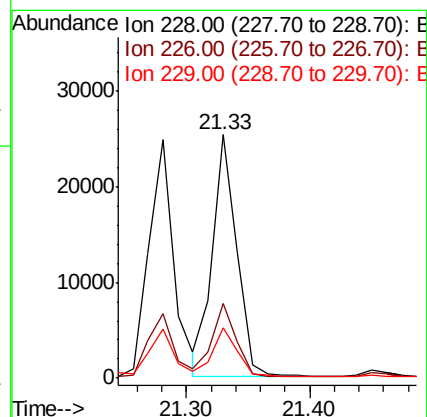
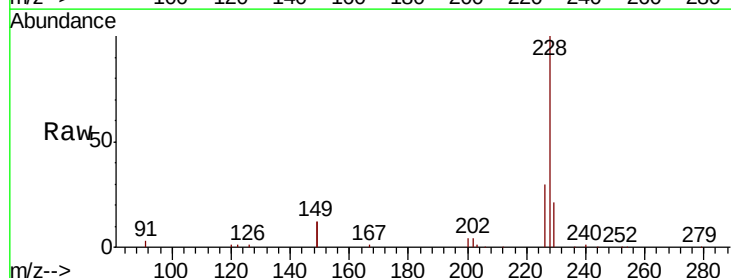
Tgt Ion:228 Resp: 34731

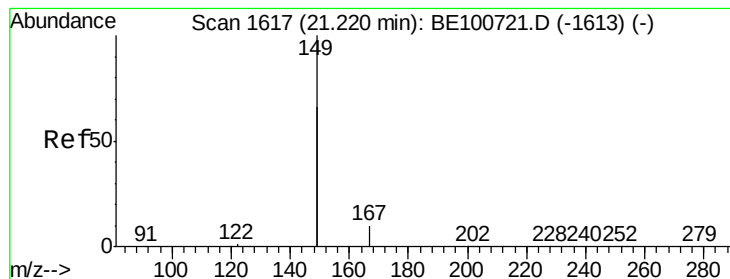
Ion Ratio Lower Upper

228 100

226 30.4 24.5 36.7

229 20.6 15.5 23.3





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.510 ng

RT: 21.22 min Scan# 1619

Delta R.T. 0.00 min

Lab File: BE100739.D

Acq: 15 Nov 2019 16:16

Instrument :

BNA_E

ClientSampleId :

PST-024-SW129-110619-1MSD

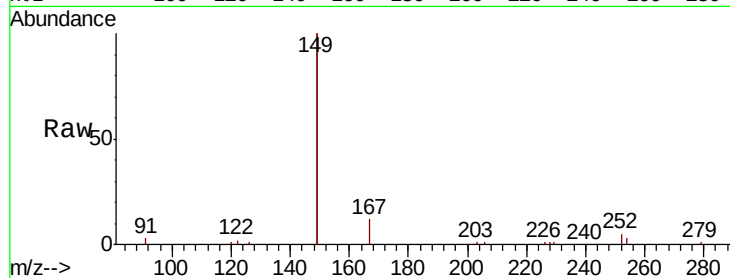
Tot Ion:149 Resp: 57882

Ion Ratio Lower Upper

149 100

167 6.8 5.2 7.8

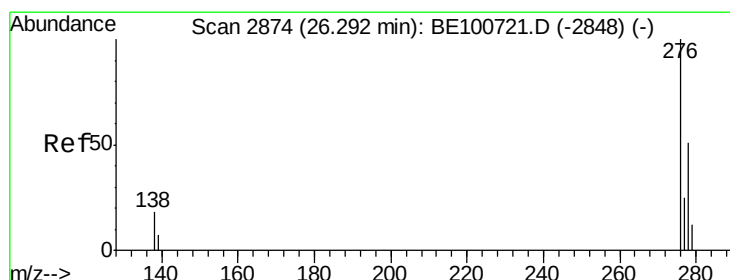
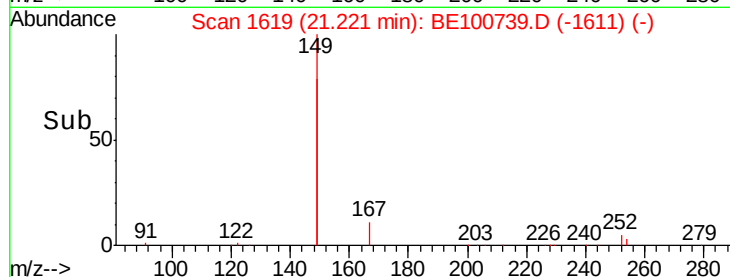
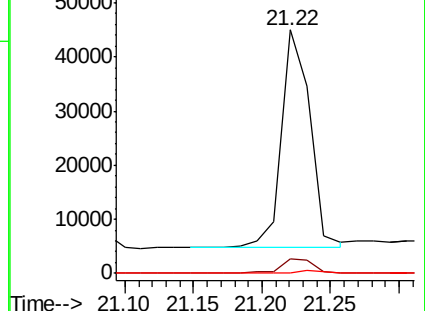
279 1.1 0.9 1.3



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: 0.424 ng

RT: 26.29 min Scan# 2874

Delta R.T. -0.01 min

Lab File: BE100739.D

Acq: 15 Nov 2019 16:16

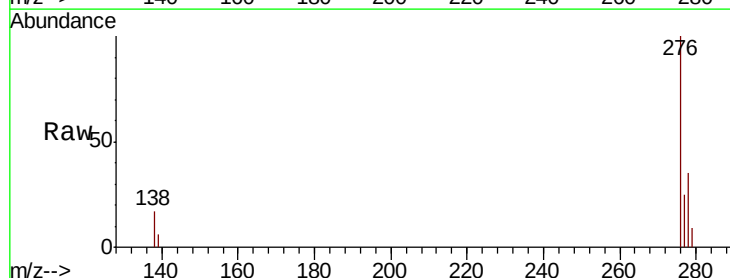
Tgt Ion:276 Resp: 32229

Ion Ratio Lower Upper

276 100

138 17.2 14.8 22.2

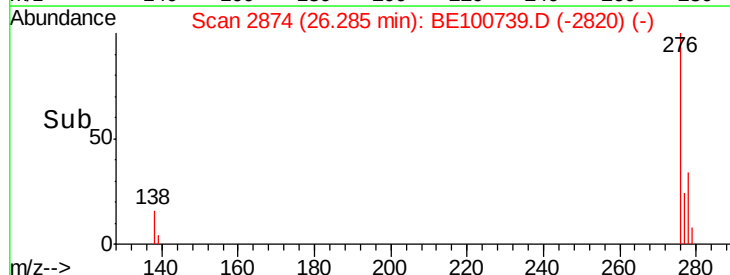
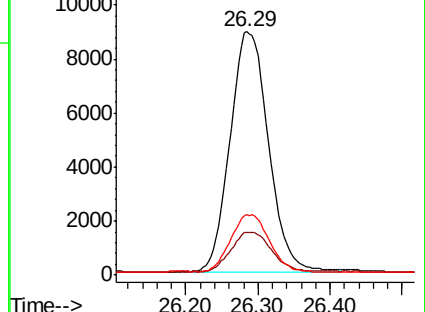
277 24.2 19.6 29.4

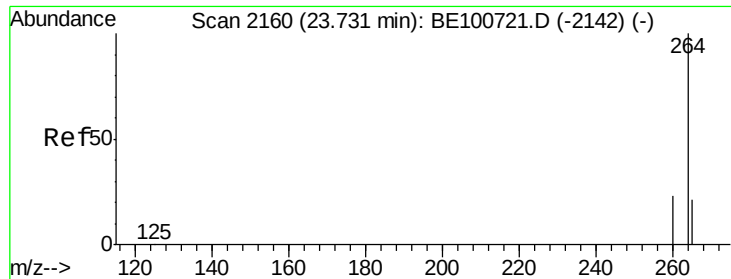


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

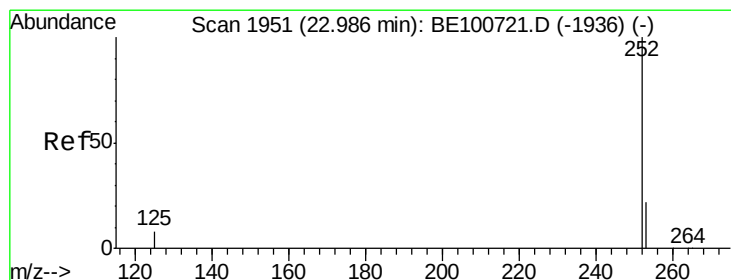
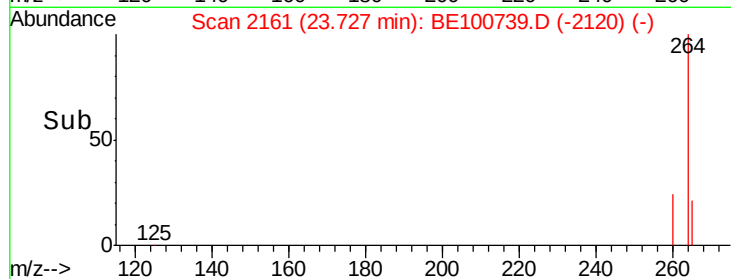
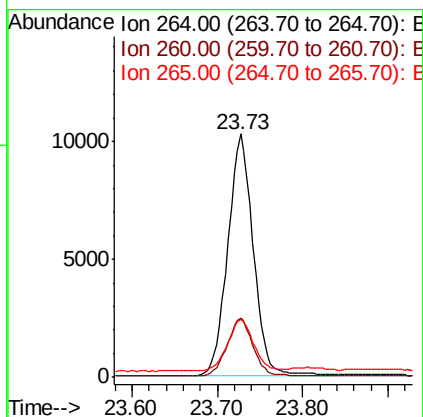
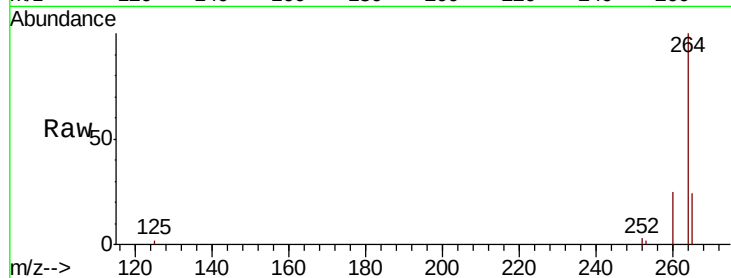




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.73 min Scan# 2161
Delta R.T. -0.00 min
Lab File: BE100739.D
Acq: 15 Nov 2019 16:16

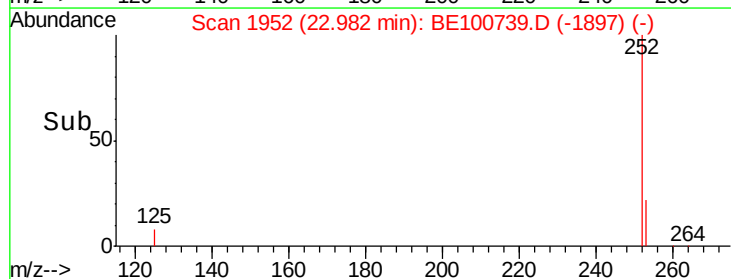
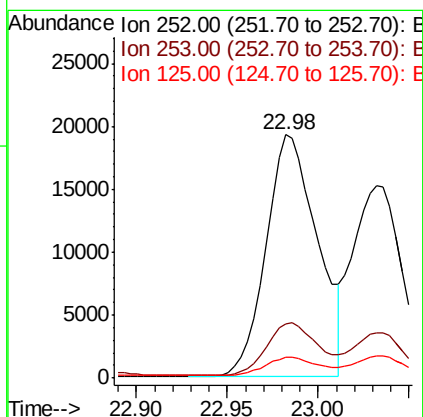
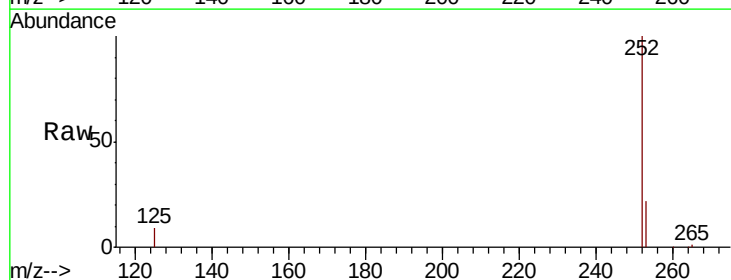
Instrument :
BNA_E
ClientSampleId :
PST-024-SW129-110619-1MSD

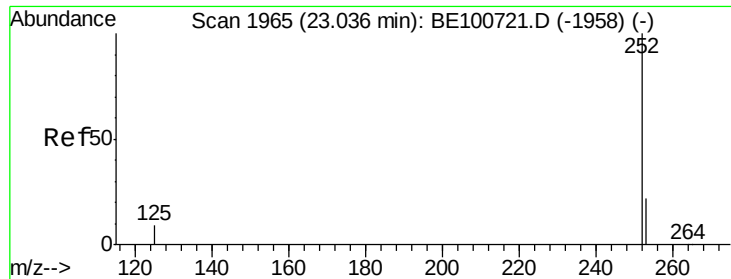
Tot Ion:264 Resp: 21243
Ion Ratio Lower Upper
264 100
260 24.6 19.1 28.7
265 23.7 19.7 29.5



#35
Benzo(b)fluoranthene
Concen: 0.609 ng
RT: 22.98 min Scan# 1952
Delta R.T. -0.00 min
Lab File: BE100739.D
Acq: 15 Nov 2019 16:16

Tgt Ion:252 Resp: 37771
Ion Ratio Lower Upper
252 100
253 22.5 18.7 28.1
125 8.7 7.0 10.4

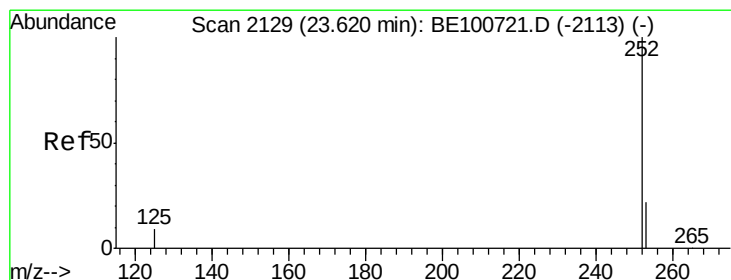
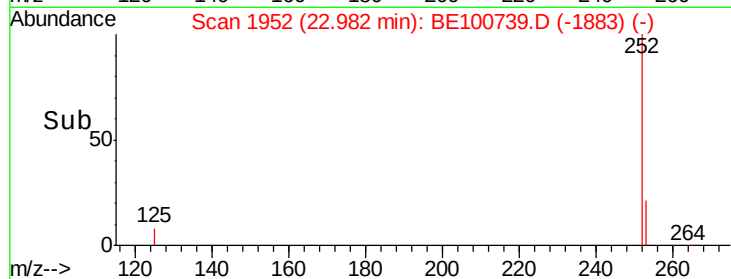
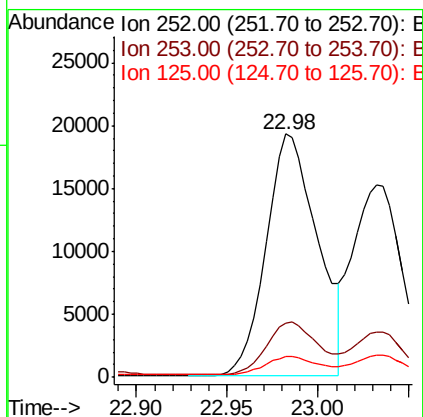
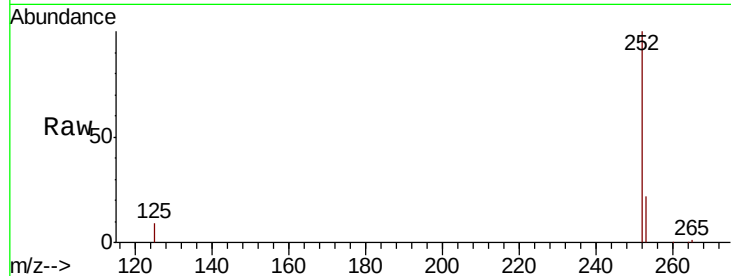




#36
Benzo(k)fluoranthene
Concen: 0.582 ng
RT: 22.98 min Scan# 1952
Delta R.T. -0.05 min
Lab File: BE100739.D
Acq: 15 Nov 2019 16:16

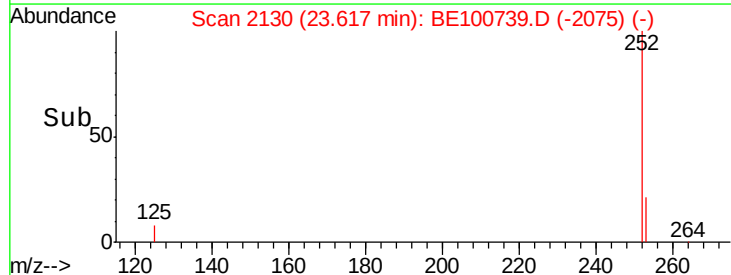
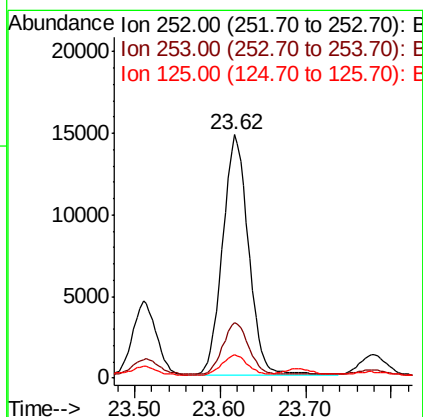
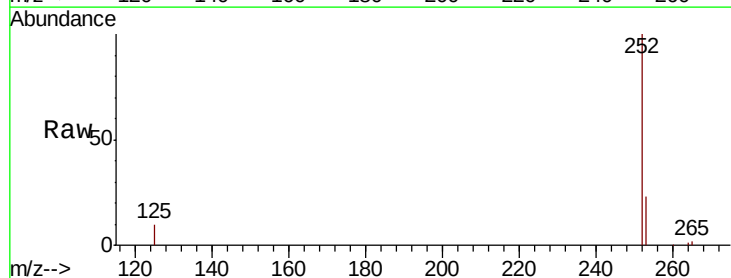
Instrument :
BNA_E
ClientSampleId :
PST-024-SW129-110619-1MSD

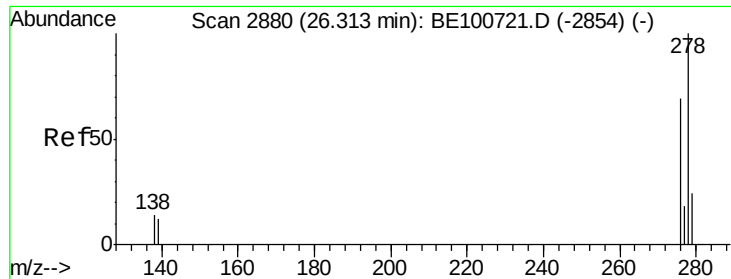
Tot Ion:252 Resp: 37771
Ion Ratio Lower Upper
252 100
253 22.5 18.6 27.8
125 8.7 7.6 11.4



#37
Benzo(a)pyrene
Concen: 0.539 ng
RT: 23.62 min Scan# 2130
Delta R.T. -0.00 min
Lab File: BE100739.D
Acq: 15 Nov 2019 16:16

Tgt Ion:252 Resp: 31139
Ion Ratio Lower Upper
252 100
253 22.7 18.6 28.0
125 9.7 7.9 11.9





#38

Dibenzo(a,h)anthracene

Concen: 0.355 ng

RT: 26.31 min Scan# 2882

Delta R.T. 0.00 min

Lab File: BE100739.D

Acq: 15 Nov 2019 16:16

Instrument :

BNA_E

ClientSampleId :

PST-024-SW129-110619-1MSD

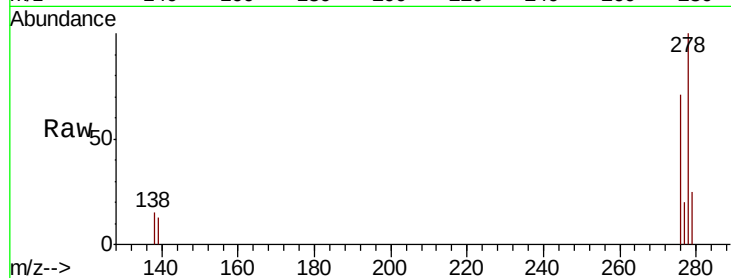
Tot Ion:278 Resp: 21394

Ion Ratio Lower Upper

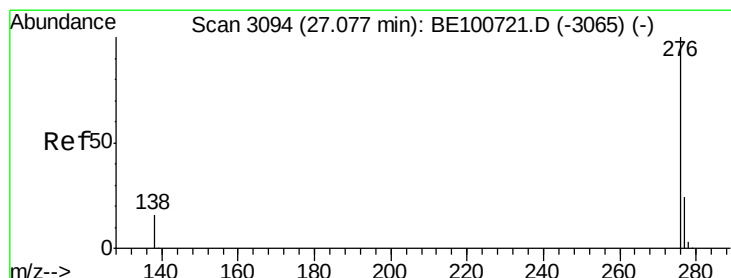
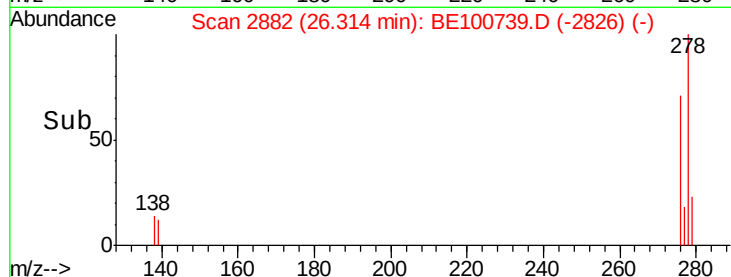
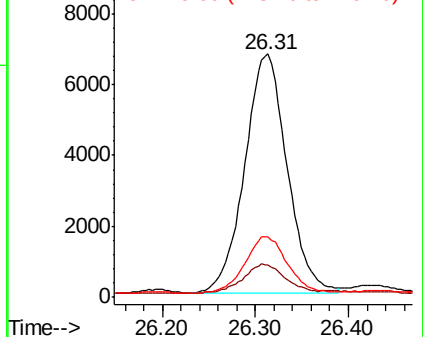
278 100

139 13.2 10.3 15.5

279 24.9 20.6 31.0



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: 0.496 ng

RT: 27.07 min Scan# 3095

Delta R.T. -0.00 min

Lab File: BE100739.D

Acq: 15 Nov 2019 16:16

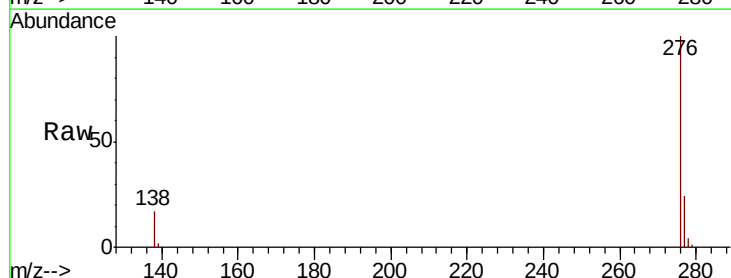
Tgt Ion:276 Resp: 29317

Ion Ratio Lower Upper

276 100

277 24.5 19.8 29.6

138 17.1 13.6 20.4



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

