

Data File : BE101090.D
Acq On : 17 Jan 2020 18:21
Operator : JU
Sample : L1167-01MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PF-1MS

Quant Time: Jan 17 23:21:03 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 08 18:36:25 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	1466	0.40	ng	-0.01
7) Naphthalene-d8	10.50	136	6260	0.40	ng	0.00
13) Acenaphthene-d10	14.36	164	4513	0.40	ng	0.00
19) Phenanthrene-d10	17.09	188	13105	0.40	ng	0.00
27) Chrysene-d12	21.27	240	24416	0.40	ng	-0.01
34) Perylene-d12	23.69	264	24515	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.33	112	1667	0.51	ng	-0.01
5) Phenol-d6	6.89	99	2415	0.58	ng	-0.02
8) Nitrobenzene-d5	8.87	82	1773	0.40	ng	0.00
11) 2-Methylnaphthalene-d10	12.09	152	4243	0.36	ng	-0.02
14) 2,4,6-Tribromophenol	15.84	330	517	0.41	ng	-0.01
15) 2-Fluorobiphenyl	12.99	172	6595	0.38	ng	-0.02
25) Fluoranthene-d10	19.12	212	92807	0.51	ng	-0.02
29) Terphenyl-d14	19.72	244	21212	0.35	ng	-0.02

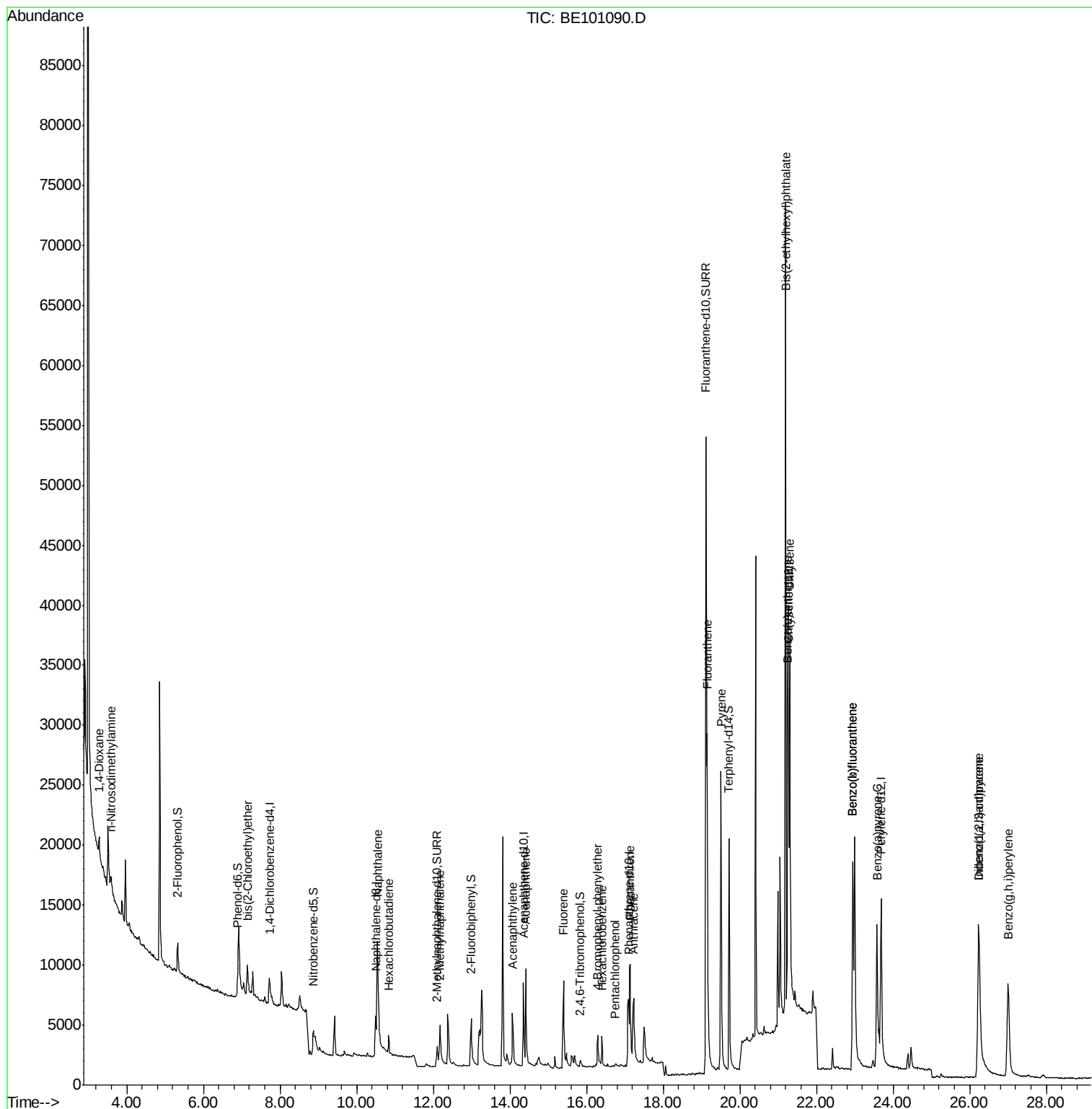
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.28	88	1074	0.260	ng	# 39
3) n-Nitrosodimethylamine	3.58	42	836	0.410	ng	# 89
6) bis(2-Chloroethyl)ether	7.15	93	1658	0.333	ng	94
9) Naphthalene	10.55	128	26571	0.382	ng	99
10) Hexachlorobutadiene	10.83	225	1041	0.354	ng	98
12) 2-Methylnaphthalene	12.17	142	4141	0.394	ng	96
16) Acenaphthylene	14.07	152	6730	0.366	ng	99
17) Acenaphthene	14.41	154	4528	0.344	ng	98
18) Fluorene	15.39	166	6146	0.370	ng	100
20) 4-Bromophenyl-phenylether	16.29	248	1909	0.299	ng	97
21) Hexachlorobenzene	16.40	284	2026	0.289	ng	98
22) Pentachlorophenol	16.75	266	273	0.361	ng	99
23) Phenanthrene	17.13	178	12886	0.360	ng	99
24) Anthracene	17.23	178	12420	0.368	ng	99
26) Fluoranthene	19.15	202	25327	0.565	ng	99
28) Pyrene	19.51	202	28361	0.312	ng	99
30) Benzo(a)anthracene	21.24	228	30571	0.439	ng	99
31) Chrysene	21.30	228	37686	0.364	ng	98
32) Bis(2-ethylhexyl)phthalate	21.20	149	85388	0.735	ng	# 100
33) Indeno(1,2,3-cd)pyrene	26.23	276	23693	0.290	ng	# 93
35) Benzo(b)fluoranthene	22.95	252	27449	0.399	ng	99
36) Benzo(k)fluoranthene	22.95	252	27449	0.276	ng	99
37) Benzo(a)pyrene	23.58	252	25752	0.387	ng	97
38) Dibenzo(a,h)anthracene	26.25	278	18651	0.305	ng	96
39) Benzo(g,h,i)perylene	27.01	276	22200	0.295	ng	98

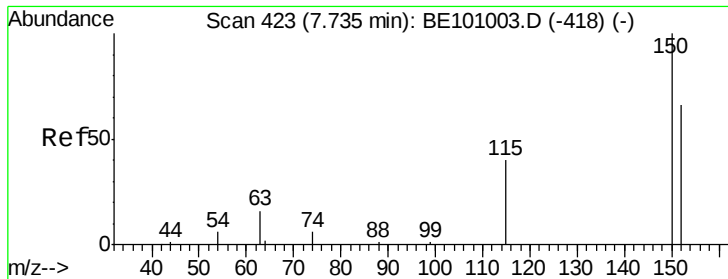
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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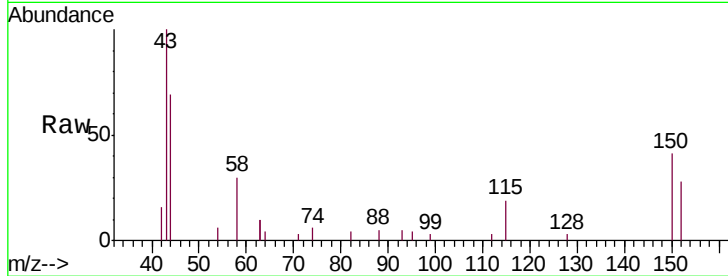


#1

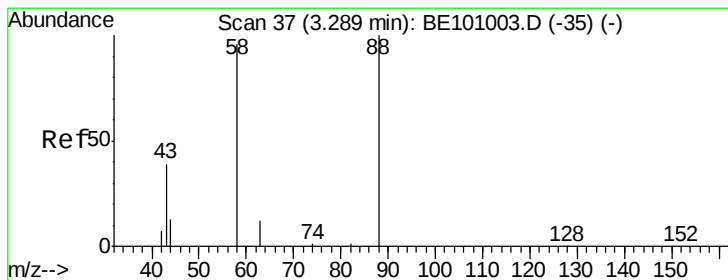
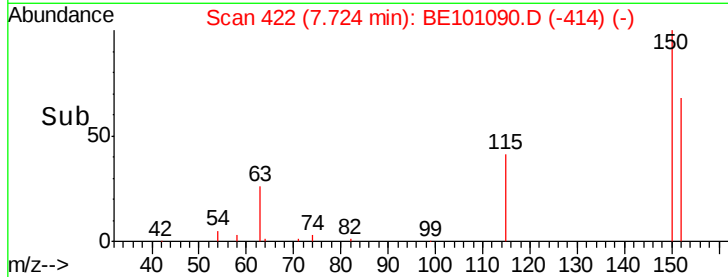
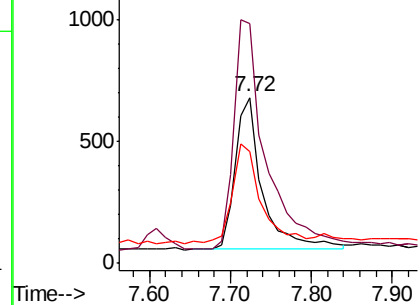
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.72 min Scan# 422
Delta R.T. -0.01 min
Lab File: BE101090.D
Acq: 17 Jan 2020 18:21

Instrument :
BNA_E
ClientSampleId :
PF-1MS

Tgt Ion: 152 Resp: 1466
Ion Ratio Lower Upper
152 100
150 144.3 120.3 180.5
115 67.4 51.7 77.5



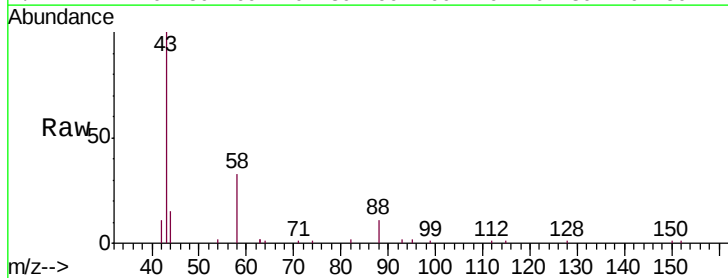
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



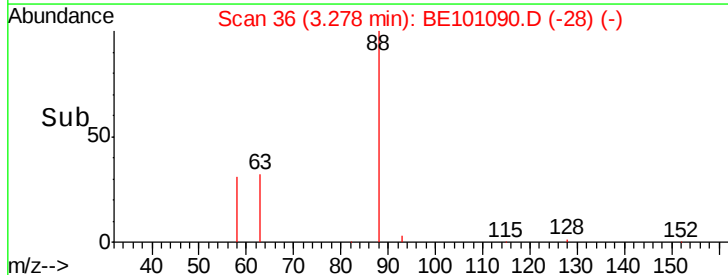
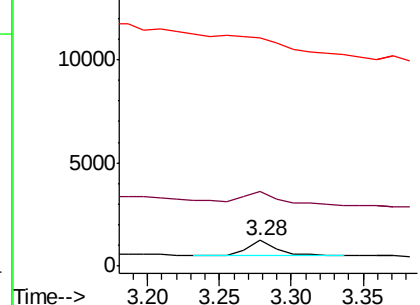
#2

1,4-Dioxane
Concen: 0.260 ng
RT: 3.28 min Scan# 36
Delta R.T. -0.01 min
Lab File: BE101090.D
Acq: 17 Jan 2020 18:21

Tgt Ion: 88 Resp: 1074
Ion Ratio Lower Upper
88 100
58 117.5 53.0 79.4#
43 0.0 23.4 35.2#



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: 0.410 ng

RT: 3.58 min Scan# 62

Delta R.T. -0.03 min

Lab File: BE101090.D

Acq: 17 Jan 2020 18:21

Instrument :

BNA_E

ClientSampleId :

PF-1MS

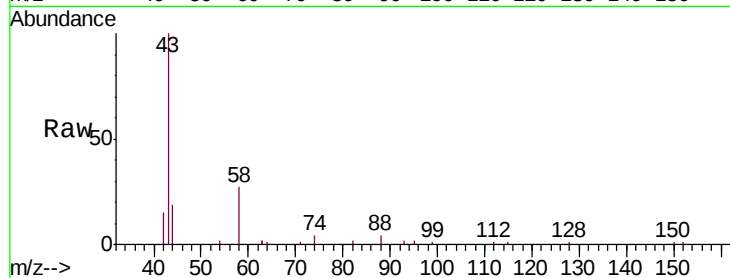
Tgt Ion: 42 Resp: 836

Ion Ratio Lower Upper

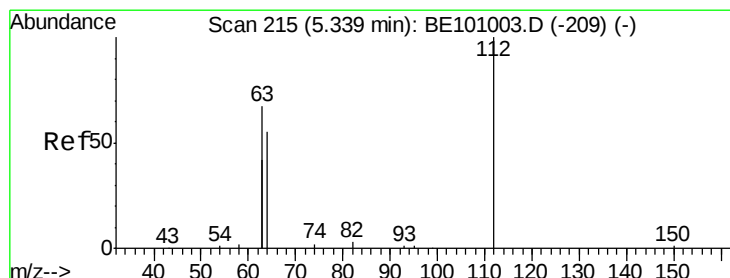
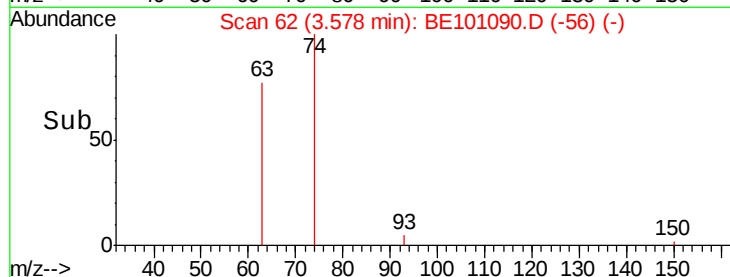
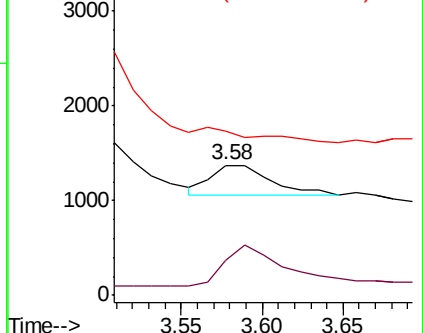
42 100

74 142.2 105.7 158.5

44 0.0 10.0 15.0#



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: 0.505 ng

RT: 5.33 min Scan# 214

Delta R.T. -0.01 min

Lab File: BE101090.D

Acq: 17 Jan 2020 18:21

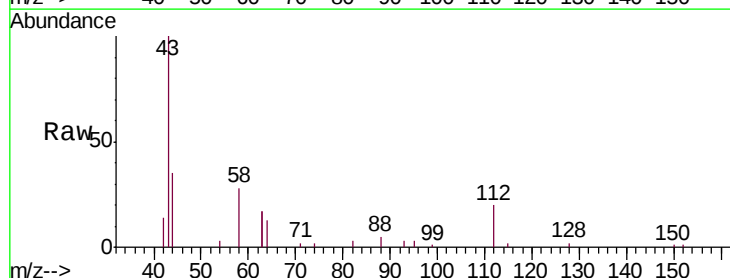
Tgt Ion: 112 Resp: 1667

Ion Ratio Lower Upper

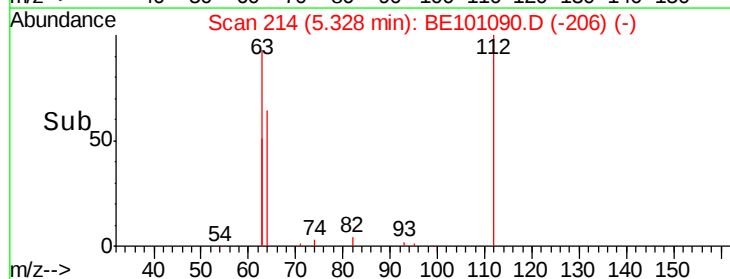
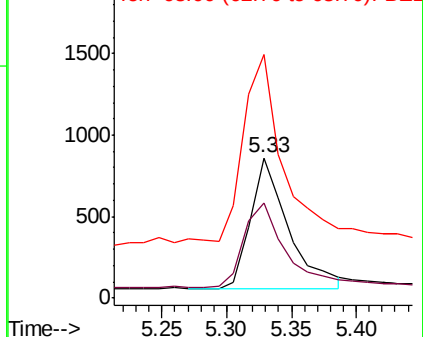
112 100

64 70.2 53.6 80.4

63 142.8 114.6 172.0



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: 0.578 ng

RT: 6.89 min Scan# 350

Delta R.T. -0.02 min

Lab File: BE101090.D

Acq: 17 Jan 2020 18:21

Instrument :

BNA_E

ClientSampleId :

PF-1MS

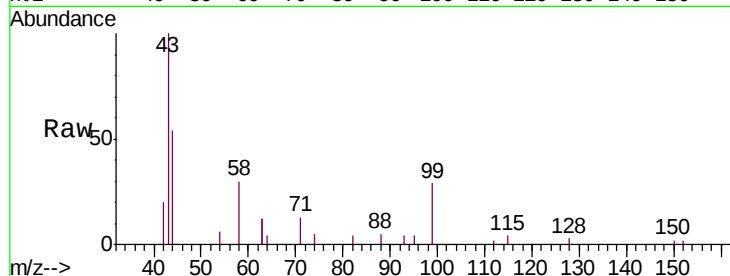
Tgt Ion: 99 Resp: 2415

Ion Ratio Lower Upper

99 100

42 28.5 18.3 27.5#

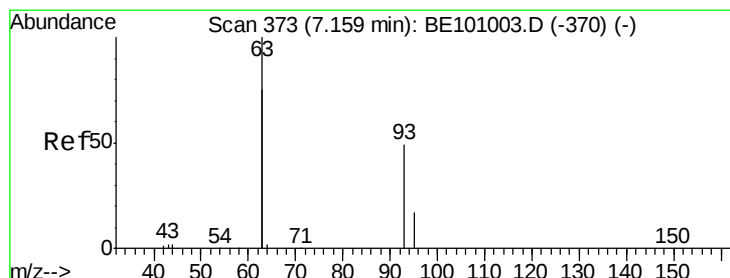
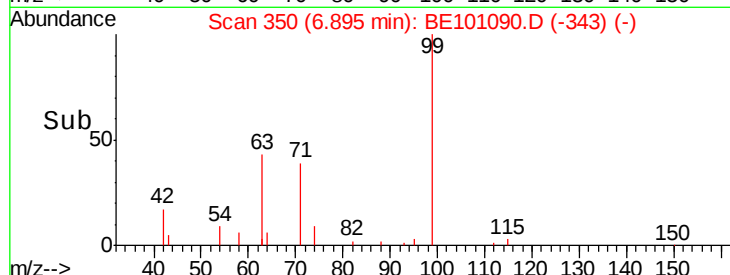
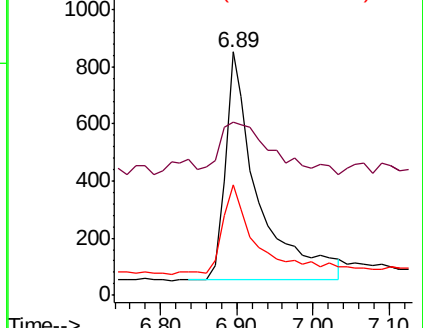
71 36.6 28.0 42.0



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: 0.333 ng

RT: 7.15 min Scan# 372

Delta R.T. -0.01 min

Lab File: BE101090.D

Acq: 17 Jan 2020 18:21

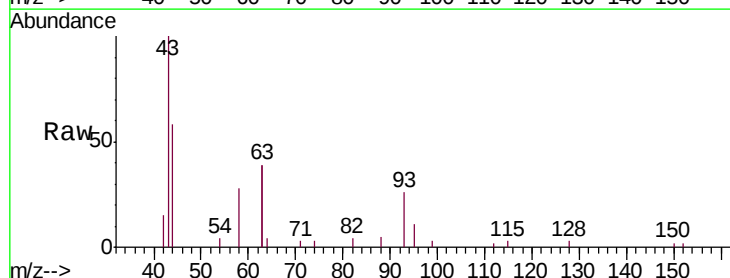
Tgt Ion: 93 Resp: 1658

Ion Ratio Lower Upper

93 100

63 280.3 233.9 350.9

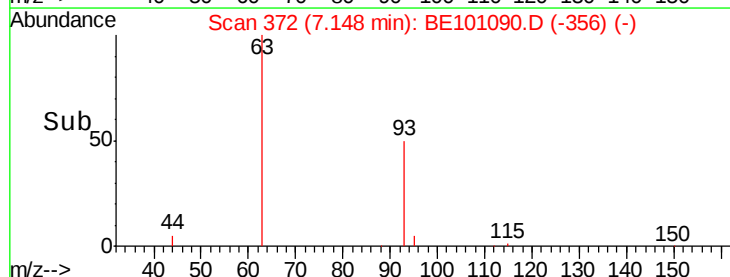
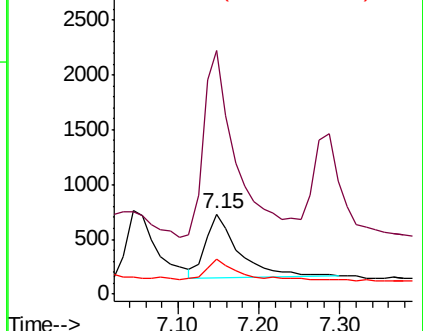
95 29.1 23.5 35.3



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: 10.50 min Scan# 641

Delta R.T. -0.00 min

Lab File: BE101090.D

Acq: 17 Jan 2020 18:21

Instrument :

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Tgt Ion:136 Resp: 6260

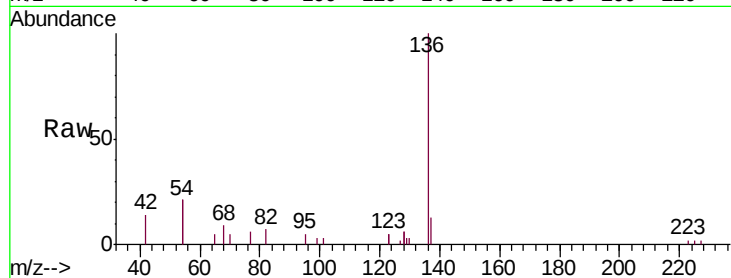
Ion Ratio Lower Upper

136 100

137 12.6 9.3 13.9

54 42.0 36.8 55.2

68 9.3 8.4 12.6

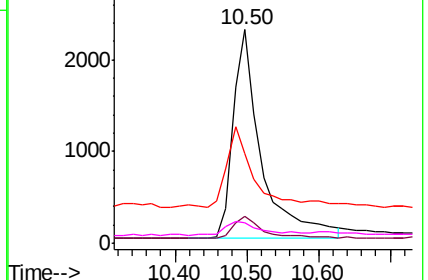
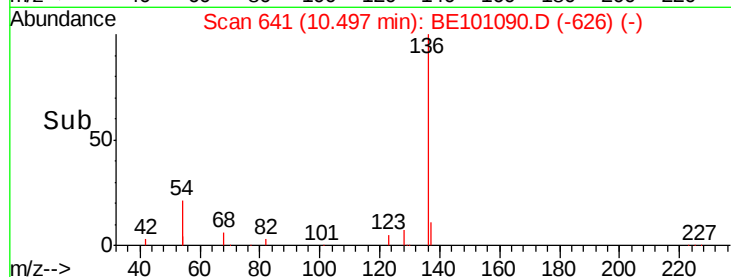


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.396 ng

RT: 8.87 min Scan# 516

Delta R.T. -0.00 min

Lab File: BE101090.D

Acq: 17 Jan 2020 18:21

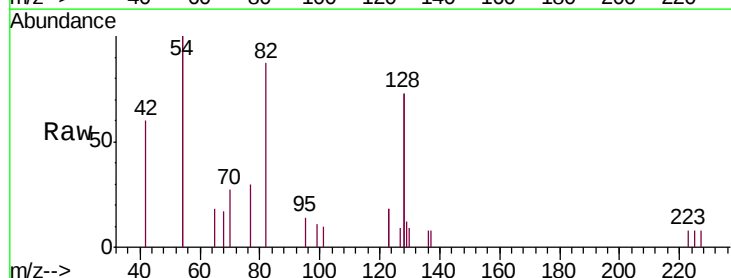
Tgt Ion: 82 Resp: 1773

Ion Ratio Lower Upper

82 100

128 167.6 109.8 164.6#

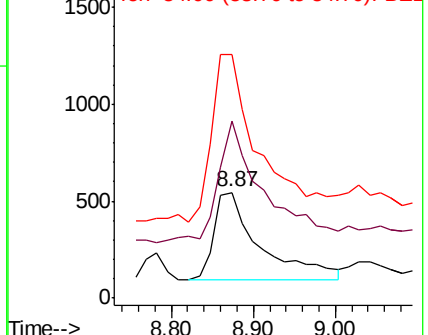
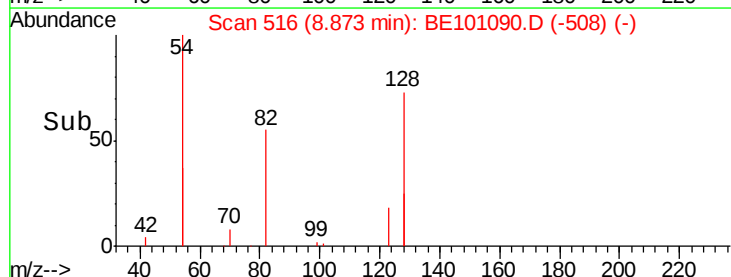
54 230.9 174.5 261.7

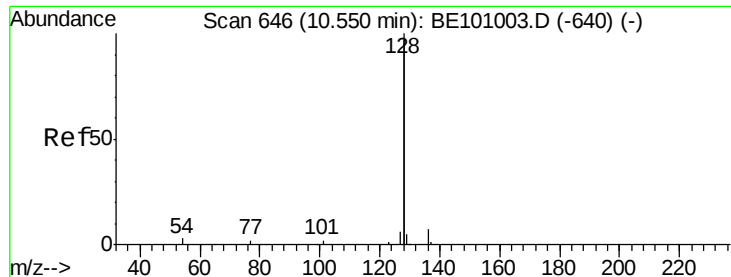


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.382 ng

RT: 10.55 min Scan# 645

Delta R.T. -0.00 min

Lab File: BE101090.D

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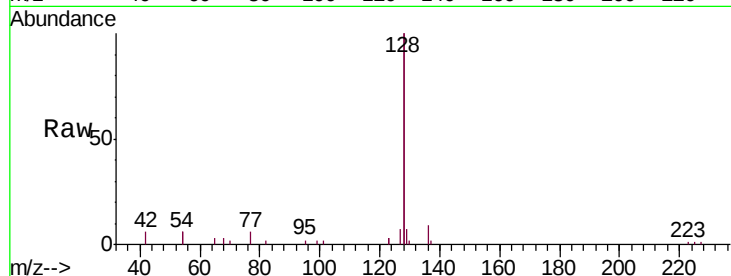
Tgt Ion:128 Resp: 26571

Ion Ratio Lower Upper

128 100

129 3.4 2.3 3.5

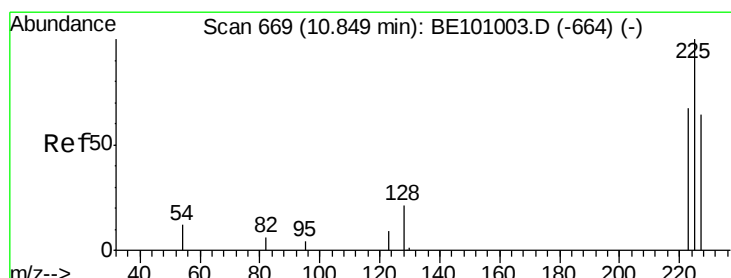
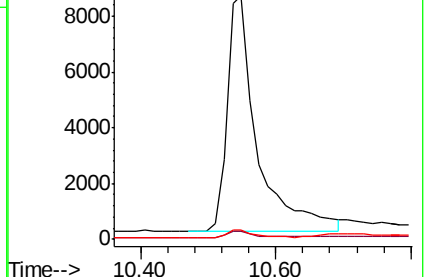
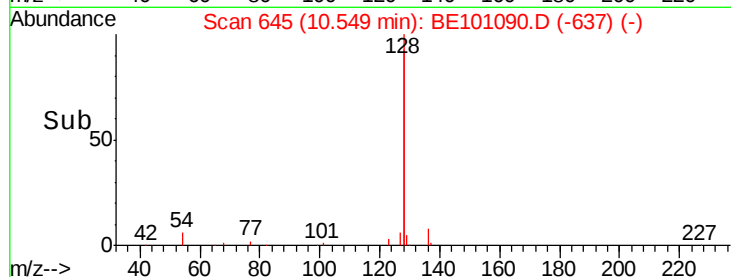
127 3.7 2.7 4.1



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: 0.354 ng

RT: 10.83 min Scan# 667

Delta R.T. -0.01 min

Lab File: BE101090.D

Acq: 17 Jan 2020 18:21

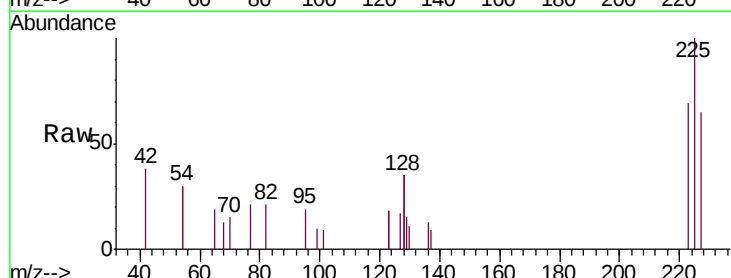
Tgt Ion:225 Resp: 1041

Ion Ratio Lower Upper

225 100

223 63.7 52.2 78.4

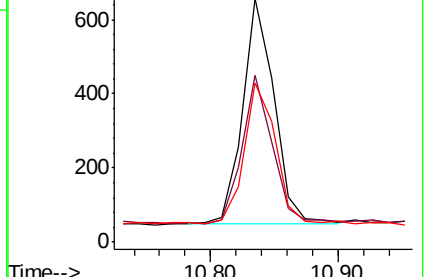
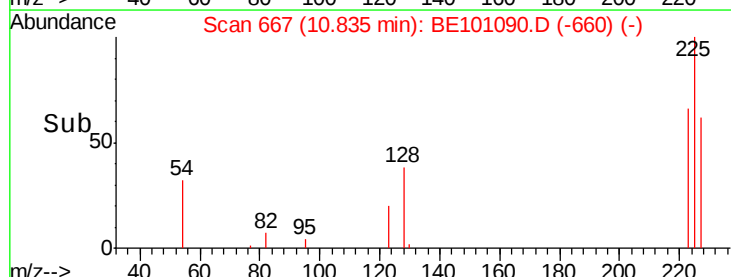
227 60.7 49.9 74.9



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

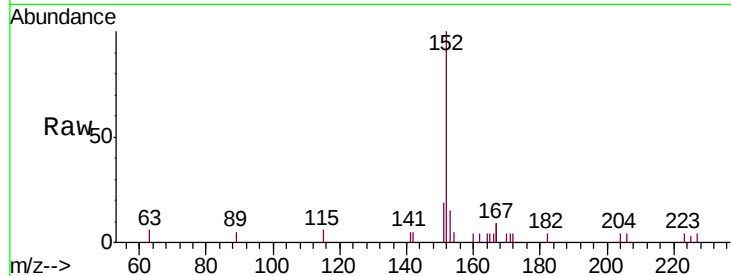




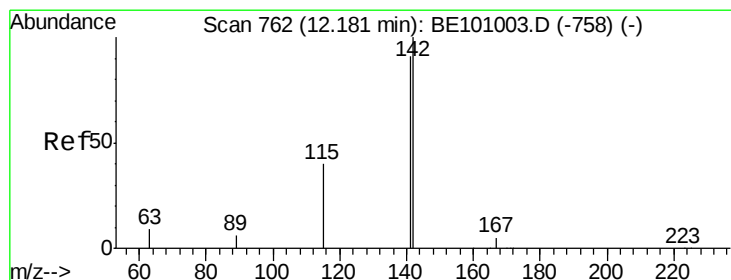
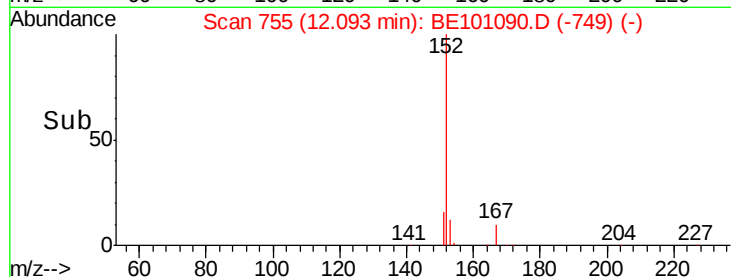
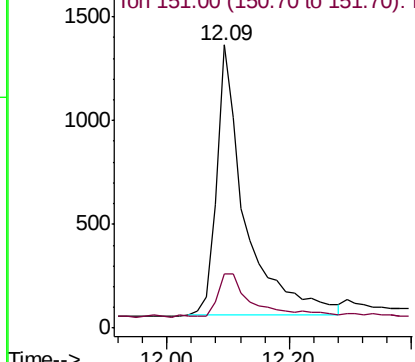
#11
 2-Methylnaphthalene-d10
 Concen: 0.355 ng
 RT: 12.09 min Scan# 755
 Delta R.T. -0.02 min
 Lab File: BE101090.D
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Instrument :
 BNA_E
 ClientSampleId :
 PF-1MS

Tgt Ion:152 Resp: 4243
 Ion Ratio Lower Upper
 152 100
 151 19.3 15.0 22.6

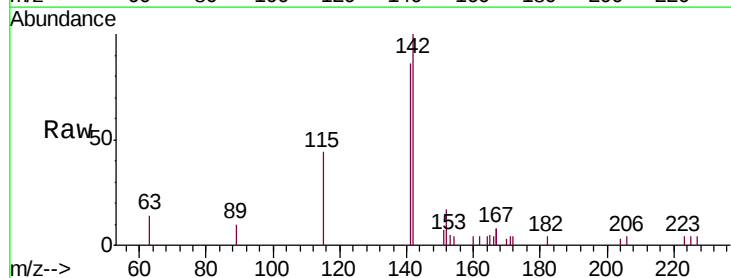


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E

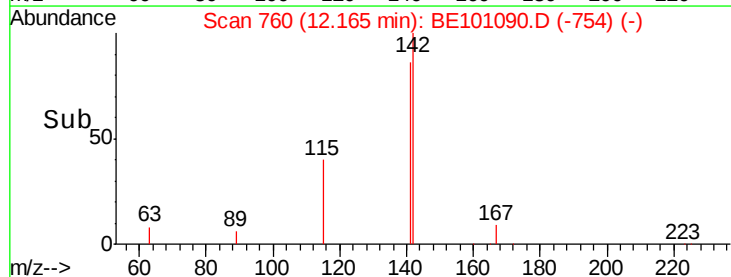
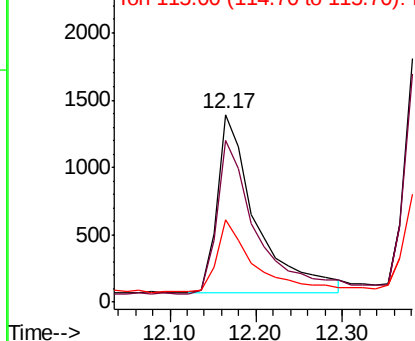


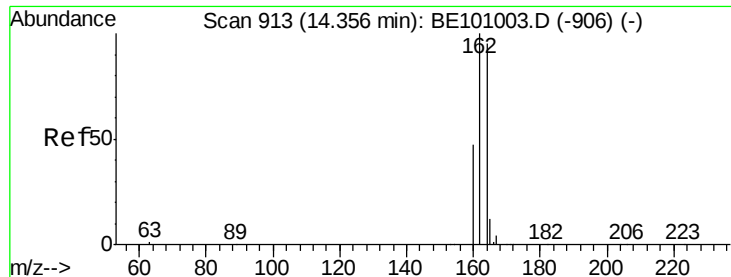
#12
 2-Methylnaphthalene
 Concen: 0.394 ng
 RT: 12.17 min Scan# 760
 Delta R.T. -0.02 min
 Lab File: BE101090.D
 Acq: 17 Jan 2020 18:21

Tgt Ion:142 Resp: 4141
 Ion Ratio Lower Upper
 142 100
 141 85.9 72.5 108.7
 115 43.5 33.0 49.6



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

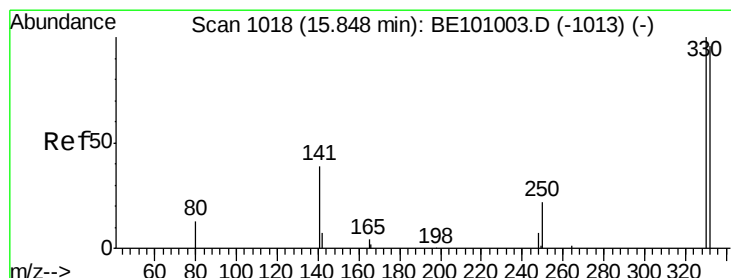
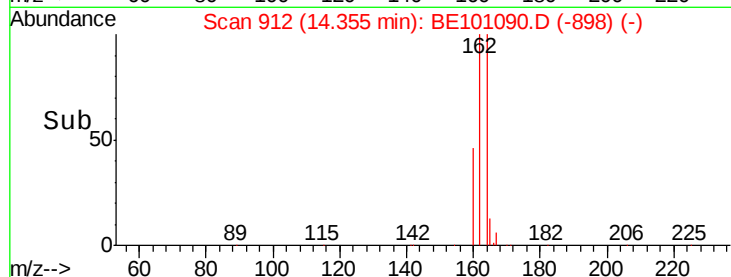
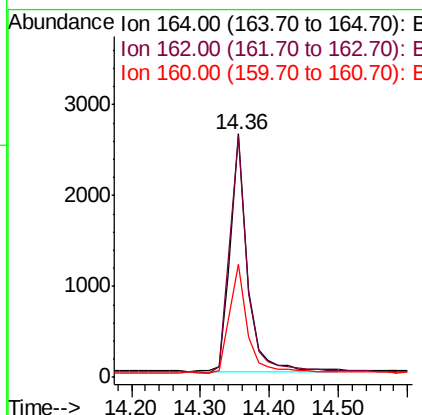
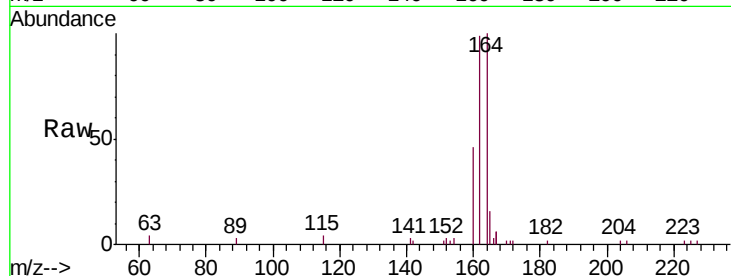




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.36 min Scan# 912
Delta R.T. -0.00 min
Lab File: BE101090.D
Acq: 17 Jan 2020 18:21

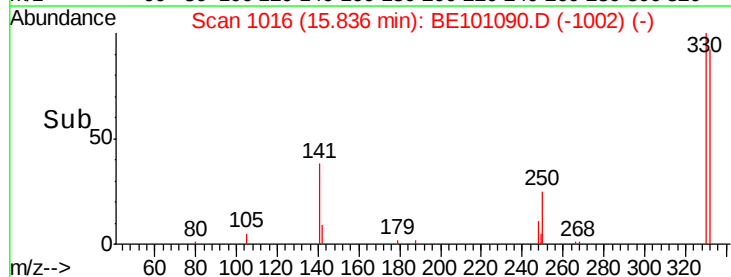
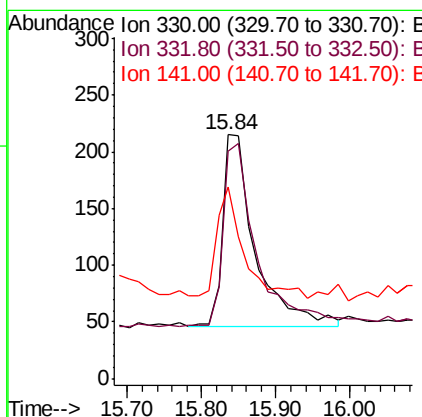
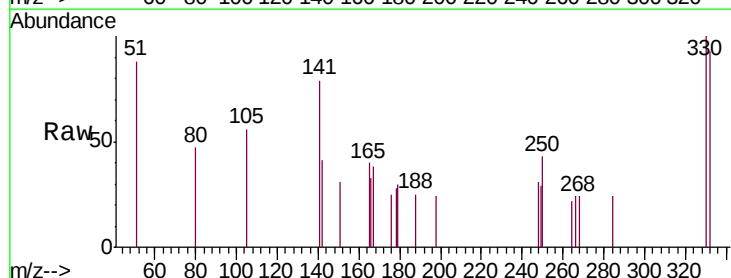
Instrument :
BNA_E
ClientSampleId :
PF-1MS

Tgt Ion:164 Resp: 4513
Ion Ratio Lower Upper
164 100
162 99.2 84.1 126.1
160 46.3 40.4 60.6



#14
2,4,6-Tribromophenol
Concen: 0.406 ng
RT: 15.84 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BE101090.D
Acq: 17 Jan 2020 18:21

Tgt Ion:330 Resp: 517
Ion Ratio Lower Upper
330 100
332 100.2 78.4 117.6
141 49.1 37.0 55.4

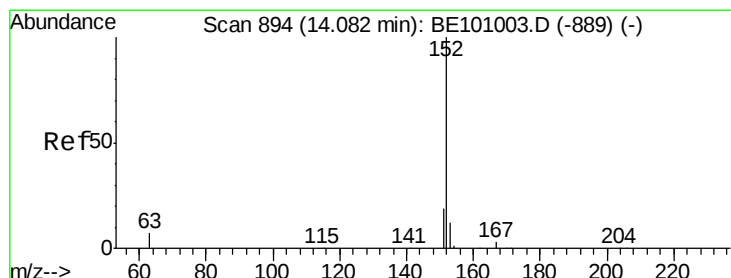
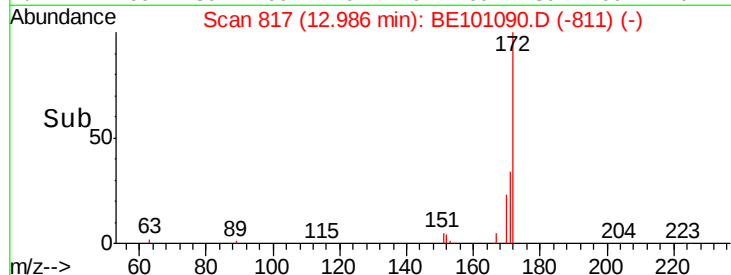
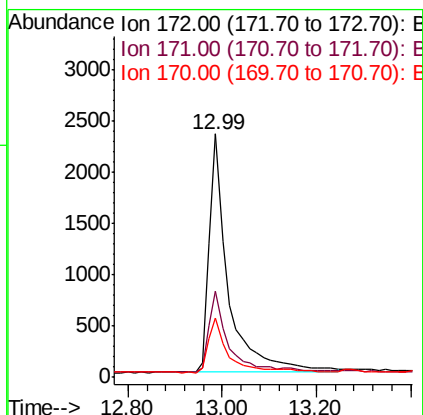
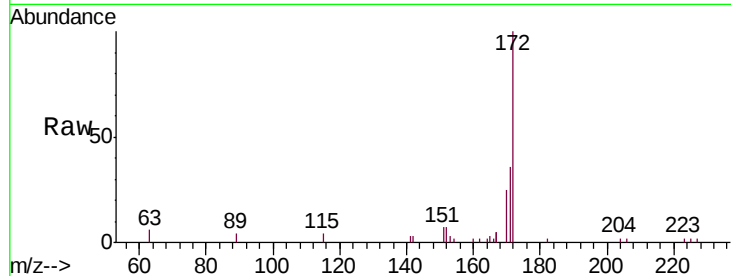




#15
 2-Fluorobiphenyl
 Concen: 0.385 ng
 RT: 12.99 min Scan# 817
 Delta R.T. -0.02 min
 Lab File: BE101090.D
 Acq: 17 Jan 2020 18:21

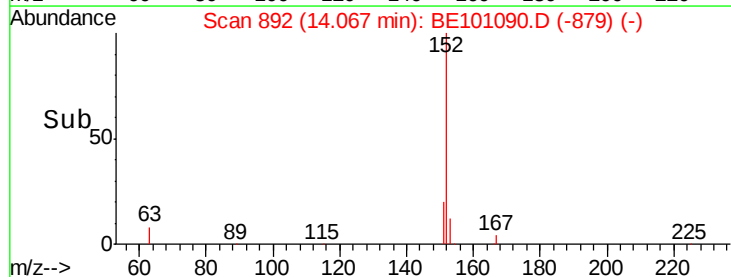
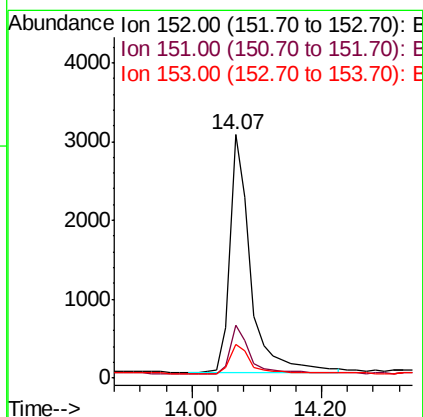
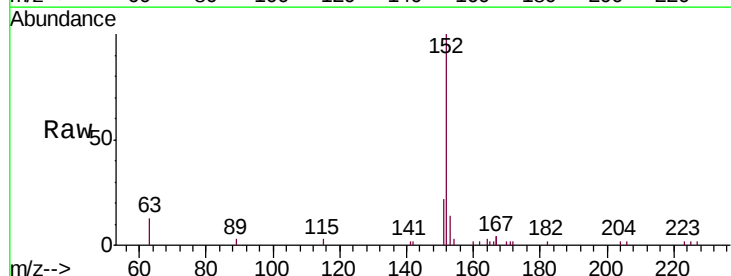
Instrument :
 BNA_E
 ClientSampleId :
 PF-1MS

Tgt Ion:172 Resp: 6595
 Ion Ratio Lower Upper
 172 100
 171 35.7 28.2 42.2
 170 24.6 18.9 28.3



#16
 Acenaphthylene
 Concen: 0.366 ng
 RT: 14.07 min Scan# 892
 Delta R.T. -0.02 min
 Lab File: BE101090.D
 Acq: 17 Jan 2020 18:21

Tgt Ion:152 Resp: 6730
 Ion Ratio Lower Upper
 152 100
 151 18.9 15.5 23.3
 153 12.6 10.4 15.6

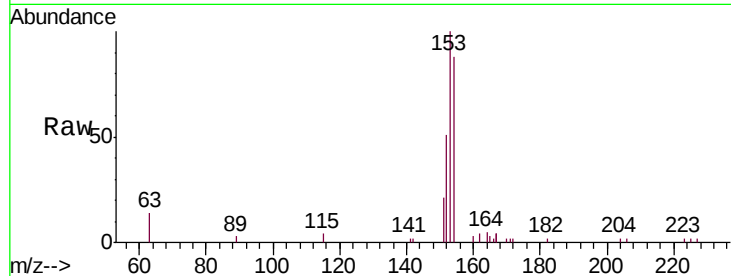




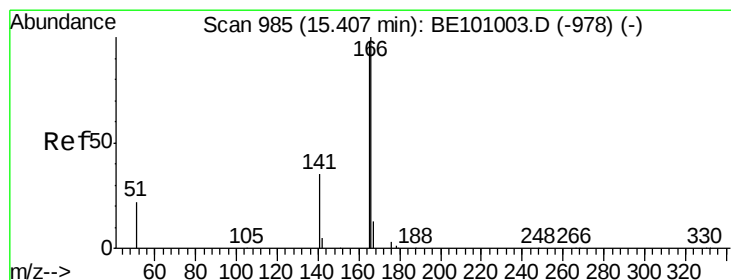
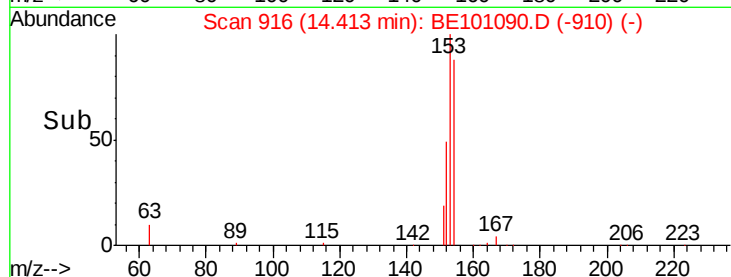
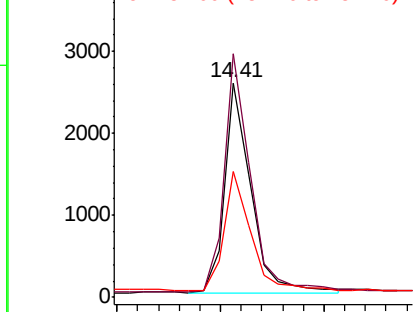
#17
Acenaphthene
Concen: 0.344 ng
RT: 14.41 min Scan# 916
Delta R.T. -0.02 min
Lab File: BE101090.D
Acq: 17 Jan 2020 18:21

Instrument :
BNA_E
ClientSampleId :
PF-1MS

Tgt Ion:154 Resp: 4528
Ion Ratio Lower Upper
154 100
153 113.8 93.6 140.4
152 56.9 46.3 69.5

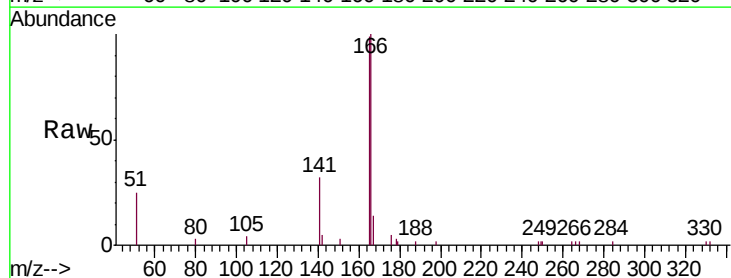


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

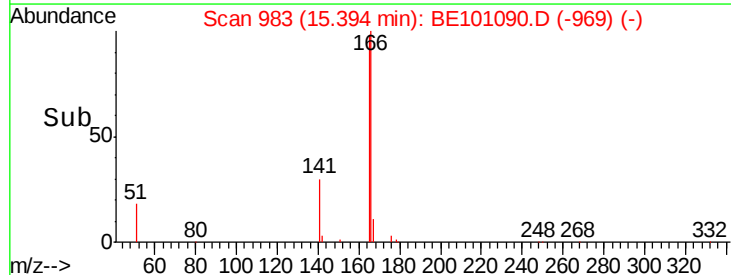
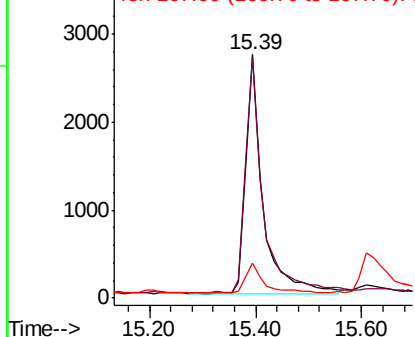


#18
Fluorene
Concen: 0.370 ng
RT: 15.39 min Scan# 983
Delta R.T. -0.01 min
Lab File: BE101090.D
Acq: 17 Jan 2020 18:21

Tgt Ion:166 Resp: 6146
Ion Ratio Lower Upper
166 100
165 99.9 79.8 119.8
167 13.3 11.0 16.6



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: 17.09 min Scan# 1110

Delta R.T. 0.00 min

Lab File: BE101090.D

Acq: 17 Jan 2020 18:21

Instrument :

BNA_E

ClientSampleId :

PF-1MS

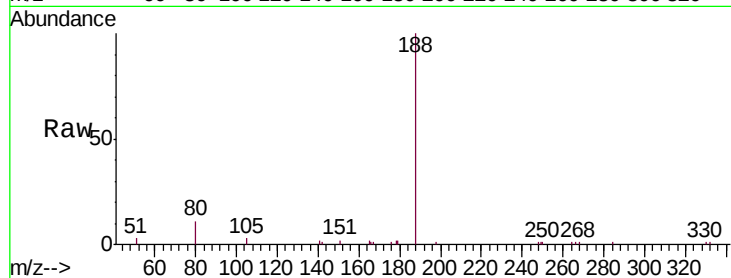
Tgt Ion:188 Resp: 13105

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

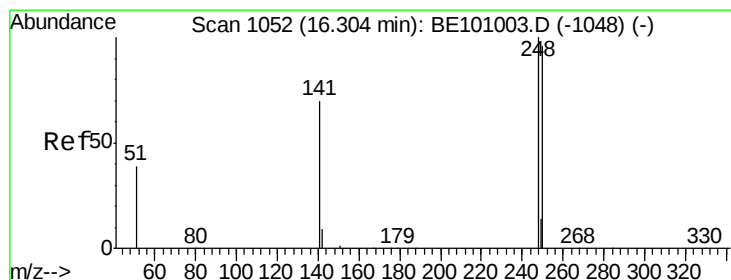
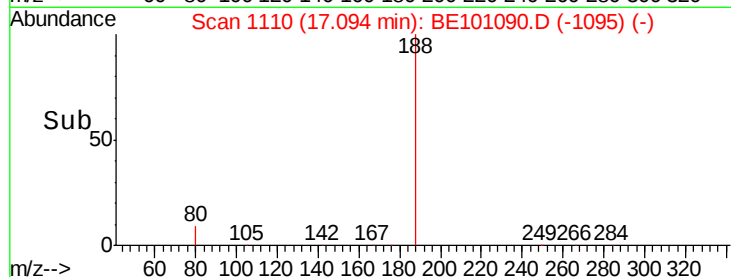
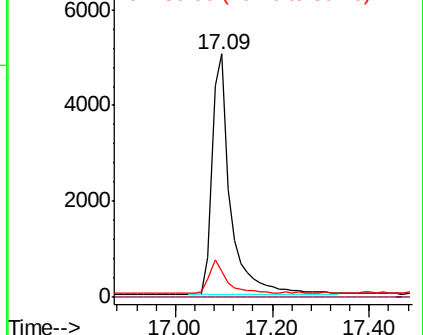
80 10.8 10.8 16.2



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: 0.299 ng

RT: 16.29 min Scan# 1050

Delta R.T. -0.01 min

Lab File: BE101090.D

Acq: 17 Jan 2020 18:21

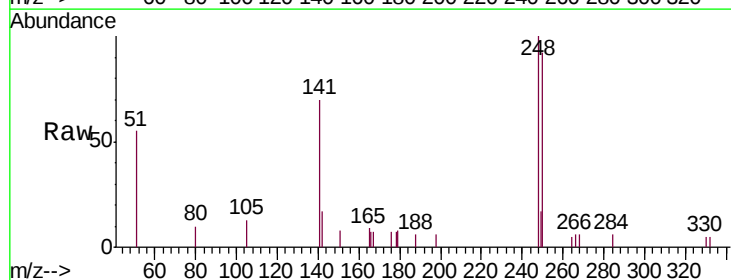
Tgt Ion:248 Resp: 1909

Ion Ratio Lower Upper

248 100

250 92.0 76.6 115.0

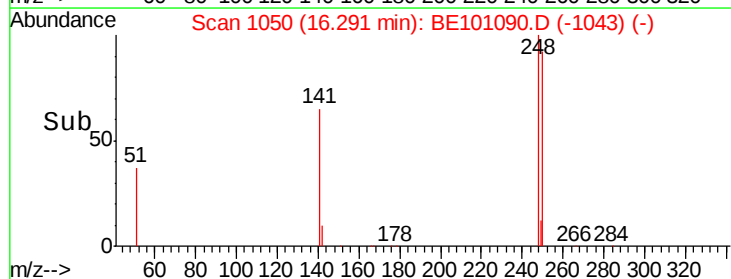
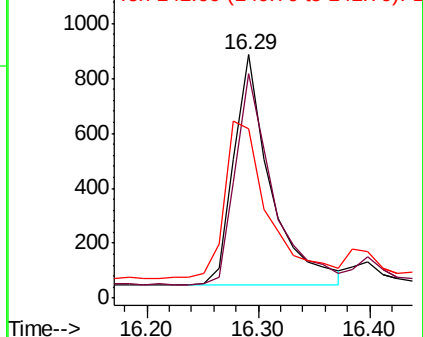
141 69.7 57.7 86.5

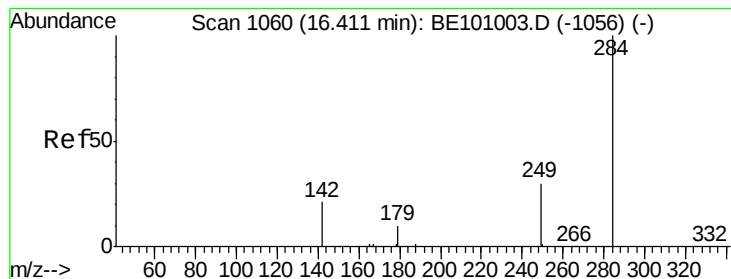


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.289 ng

RT: 16.40 min Scan# 1058

Delta R.T. -0.01 min

Lab File: BE101090.D

Acq: 17 Jan 2020 18:21

Instrument :

BNA_E

ClientSampleId :

PF-1MS

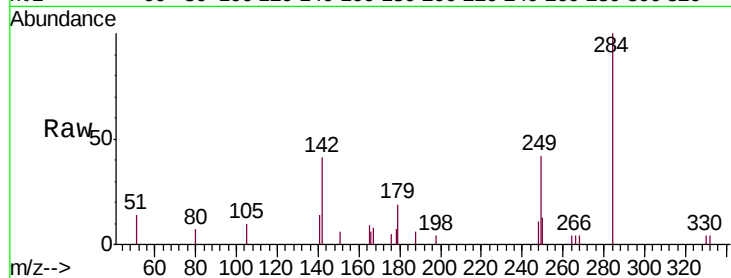
Tgt Ion:284 Resp: 2026

Ion Ratio Lower Upper

284 100

142 40.8 34.0 51.0

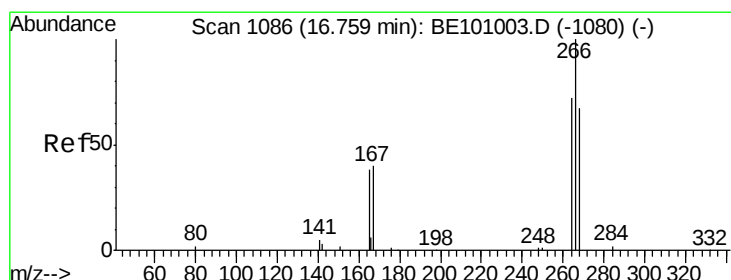
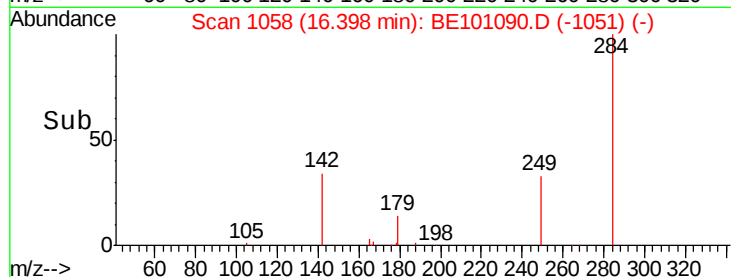
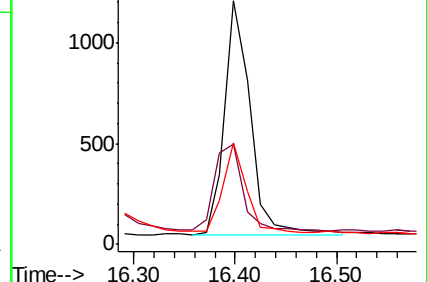
249 35.7 28.2 42.4



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: 0.361 ng

RT: 16.75 min Scan# 1084

Delta R.T. -0.01 min

Lab File: BE101090.D

Acq: 17 Jan 2020 18:21

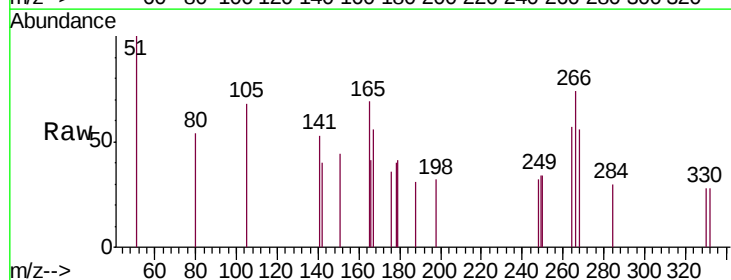
Tgt Ion:266 Resp: 273

Ion Ratio Lower Upper

266 100

264 76.6 61.0 91.4

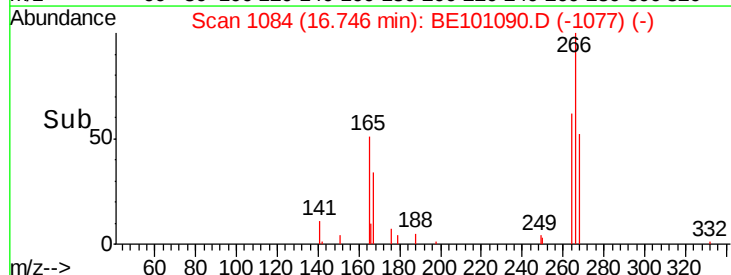
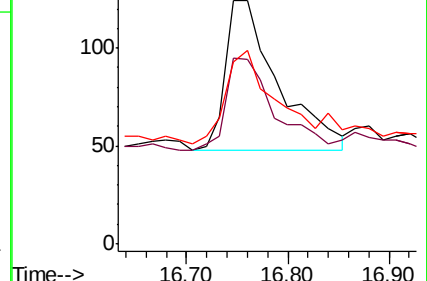
268 75.0 58.5 87.7

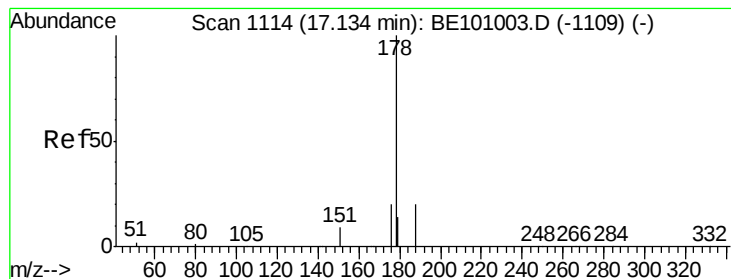


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.360 ng

RT: 17.13 min Scan# 1113

Delta R.T. 0.00 min

Lab File: BE101090.D

Acq: 17 Jan 2020 18:21

Instrument :

BNA_E

ClientSampleId :

PF-1MS

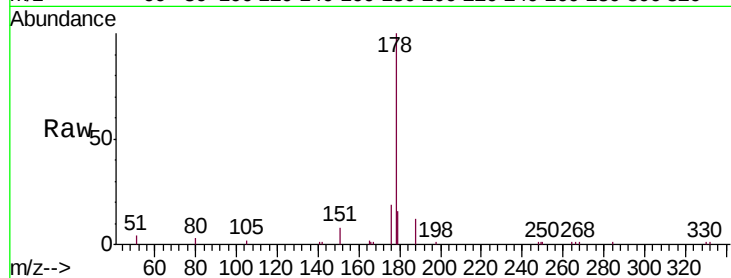
Tgt Ion:178 Resp: 12886

Ion Ratio Lower Upper

178 100

176 19.4 15.7 23.5

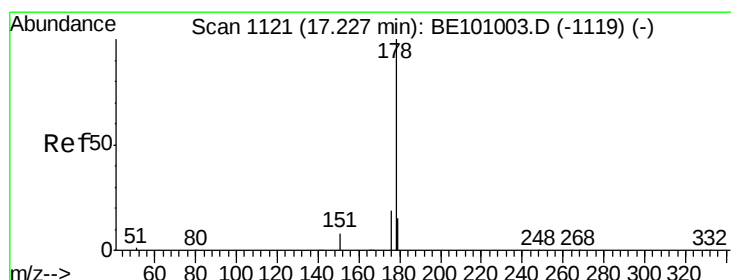
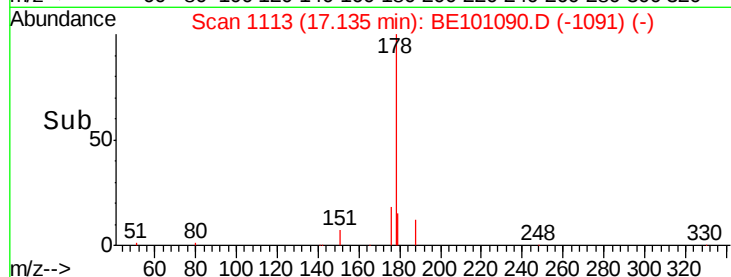
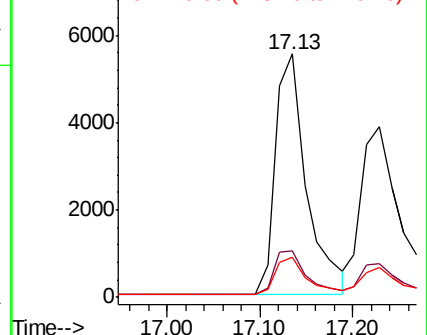
179 16.0 12.0 18.0



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: 0.368 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE101090.D

Acq: 17 Jan 2020 18:21

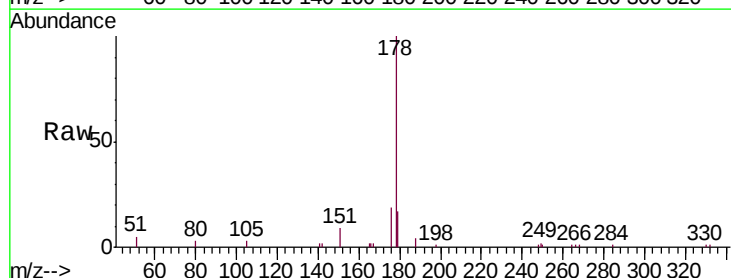
Tgt Ion:178 Resp: 12420

Ion Ratio Lower Upper

178 100

176 19.2 14.8 22.2

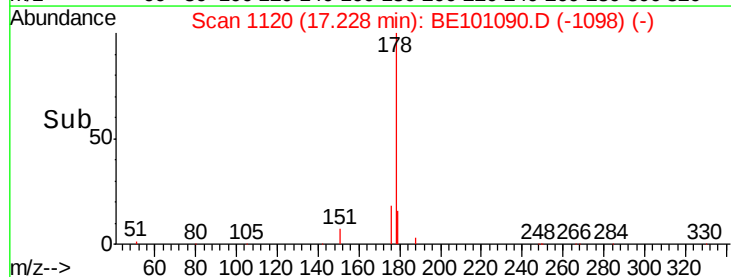
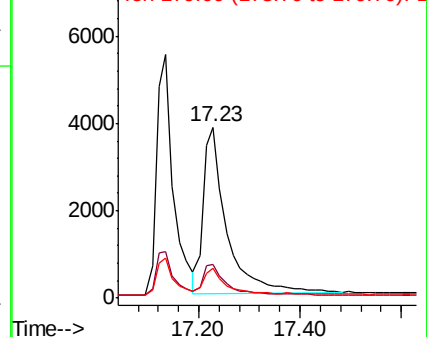
179 15.9 12.4 18.6

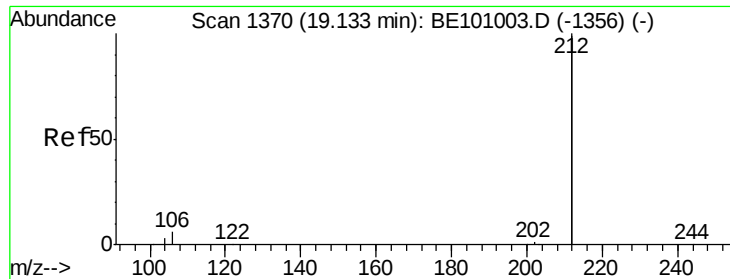


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

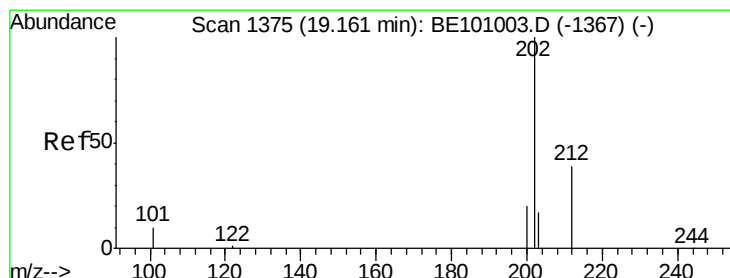
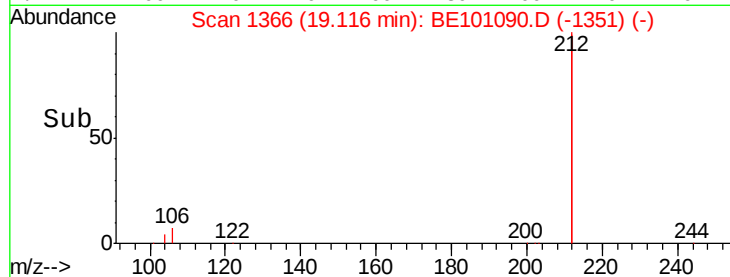
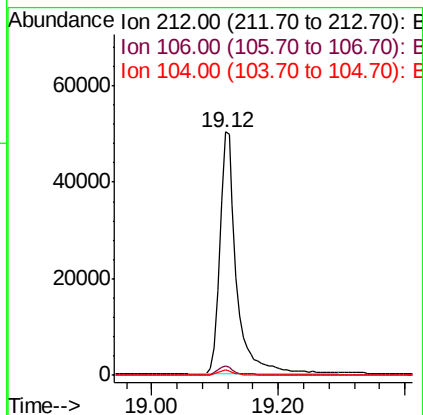
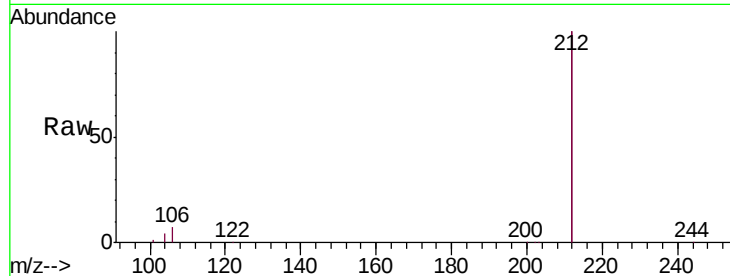




#25
 Fluoranthene-d10
 Concen: 0.510 ng
 RT: 19.12 min Scan# 1366
 Delta R.T. -0.02 min
 Lab File: BE101090.D
 Acq: 17 Jan 2020 18:21

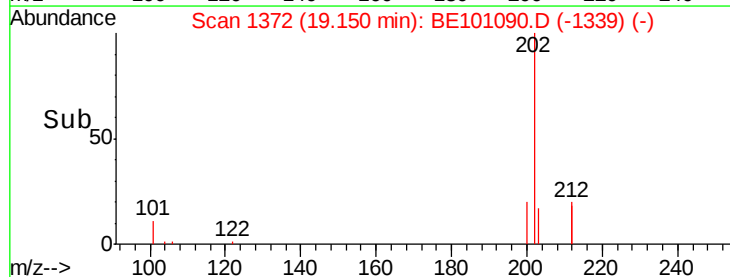
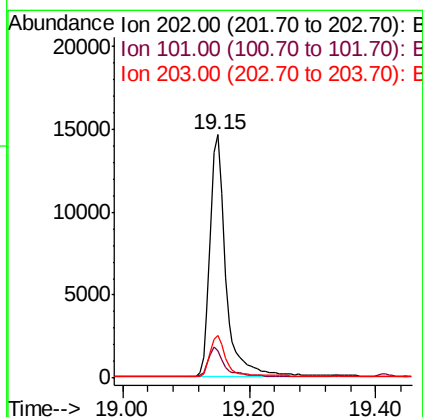
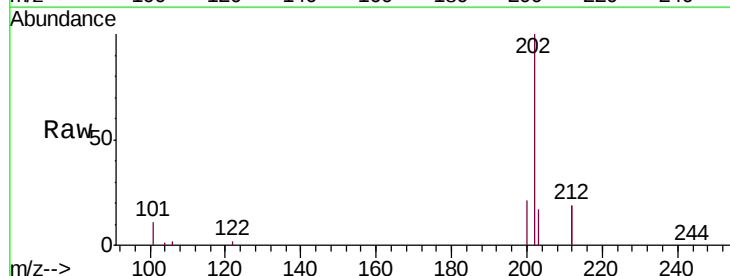
Instrument :
 BNA_E
 ClientSampleId :
 PF-1MS

Tgt Ion: 212 Resp: 92807
 Ion Ratio Lower Upper
 212 100
 106 3.5 2.6 3.8
 104 2.0 1.4 2.0



#26
 Fluoranthene
 Concen: 0.565 ng
 RT: 19.15 min Scan# 1372
 Delta R.T. -0.01 min
 Lab File: BE101090.D
 Acq: 17 Jan 2020 18:21

Tgt Ion: 202 Resp: 25327
 Ion Ratio Lower Upper
 202 100
 101 12.1 9.6 14.4
 203 16.6 13.8 20.6

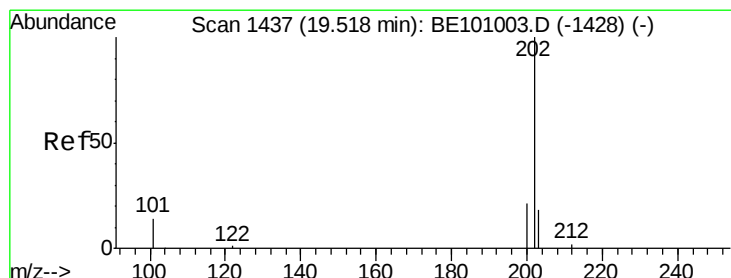
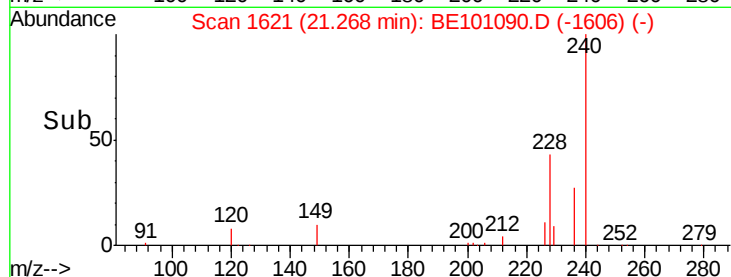
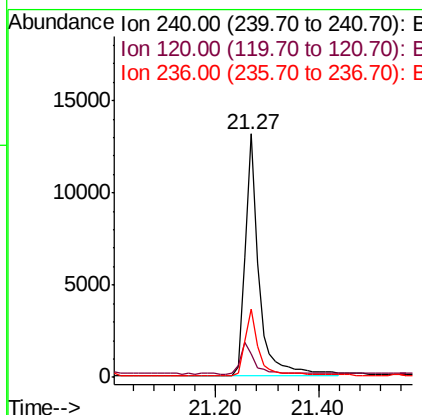
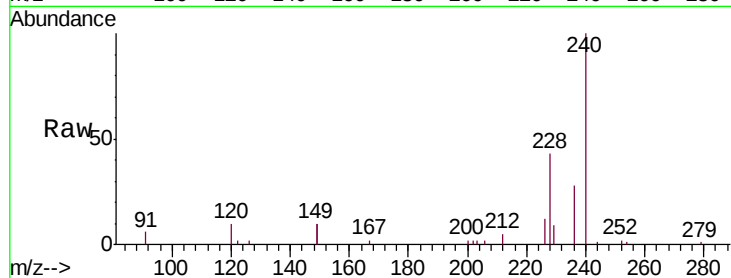




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.27 min Scan# 1621
Delta R.T. -0.01 min
Lab File: BE101090.D
Acq: 17 Jan 2020 18:21

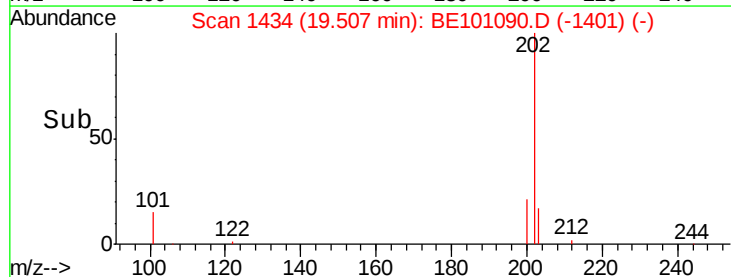
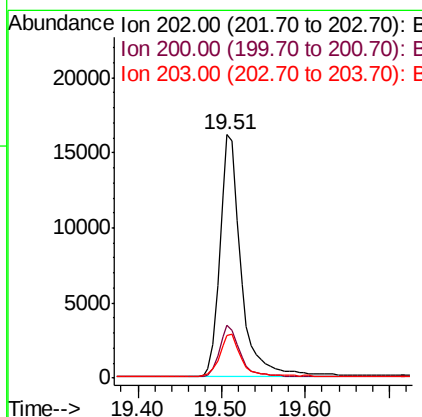
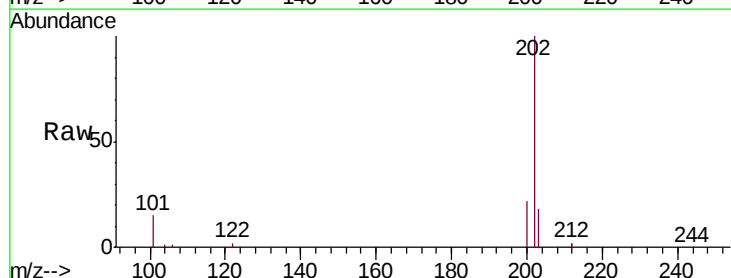
Instrument :
BNA_E
ClientSampleId :
PF-1MS

Tgt Ion:240 Resp: 24416
Ion Ratio Lower Upper
240 100
120 9.9 8.6 13.0
236 27.9 22.2 33.4



#28
Pyrene
Concen: 0.312 ng
RT: 19.51 min Scan# 1434
Delta R.T. -0.01 min
Lab File: BE101090.D
Acq: 17 Jan 2020 18:21

Tgt Ion:202 Resp: 28361
Ion Ratio Lower Upper
202 100
200 21.5 17.0 25.4
203 17.9 13.8 20.6

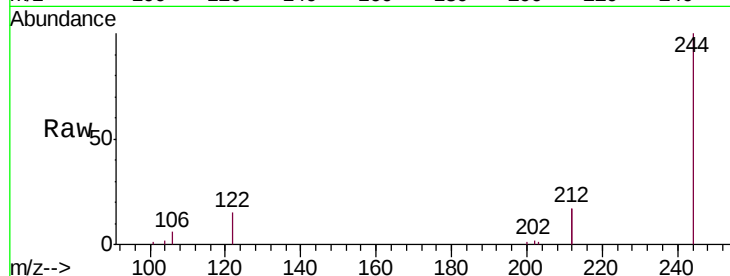




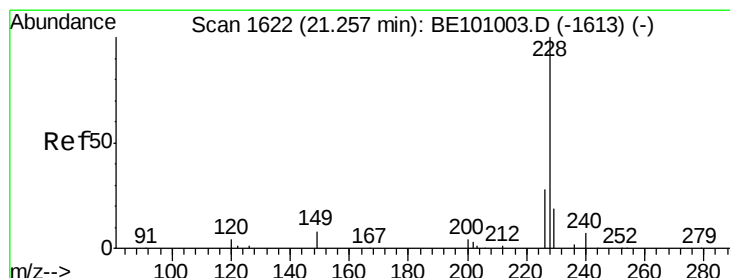
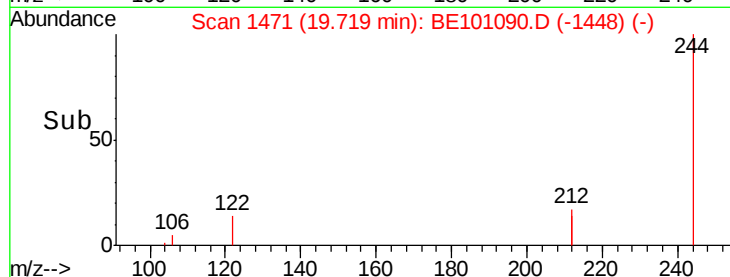
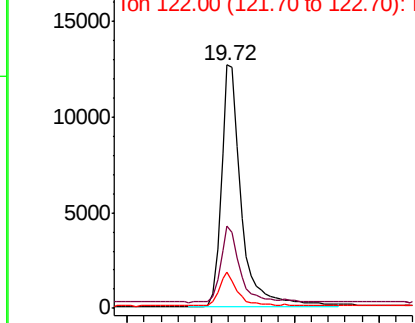
#29
 Terphenyl-d14
 Concen: 0.354 ng
 RT: 19.72 min Scan# 1471
 Delta R.T. -0.02 min
 Lab File: BE101090.D
 Acq: 17 Jan 2020 18:21

Instrument :
 BNA_E
 ClientSampleId :
 PF-1MS

Tgt Ion:244 Resp: 21212
 Ion Ratio Lower Upper
 244 100
 212 33.9 27.2 40.8
 122 14.8 9.8 14.8#

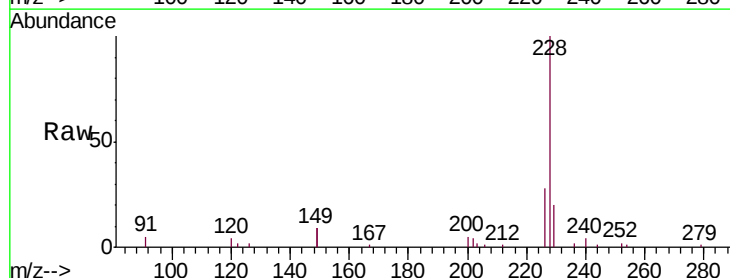


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

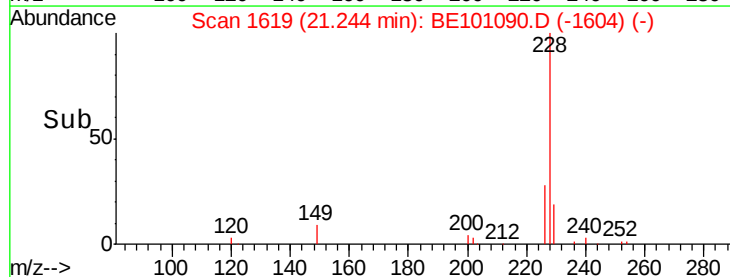
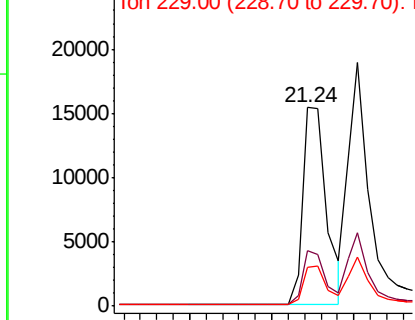


#30
 Benzo(a)anthracene
 Concen: 0.439 ng
 RT: 21.24 min Scan# 1619
 Delta R.T. -0.01 min
 Lab File: BE101090.D
 Acq: 17 Jan 2020 18:21

Tgt Ion:228 Resp: 30571
 Ion Ratio Lower Upper
 228 100
 226 28.1 22.7 34.1
 229 19.8 15.5 23.3



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: 0.364 ng

RT: 21.30 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BE101090.D

Acq: 17 Jan 2020 18:21

Instrument :

BNA_E

ClientSampleId :

PF-1MS

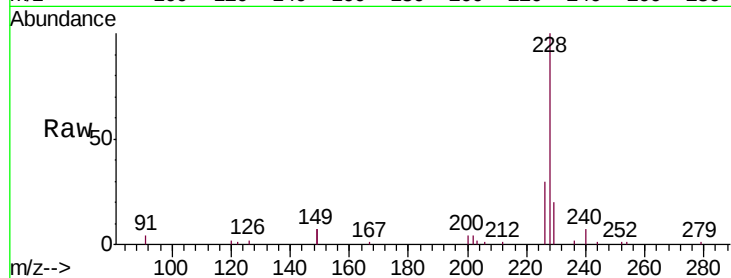
Tgt Ion:228 Resp: 37686

Ion Ratio Lower Upper

228 100

226 30.4 23.5 35.3

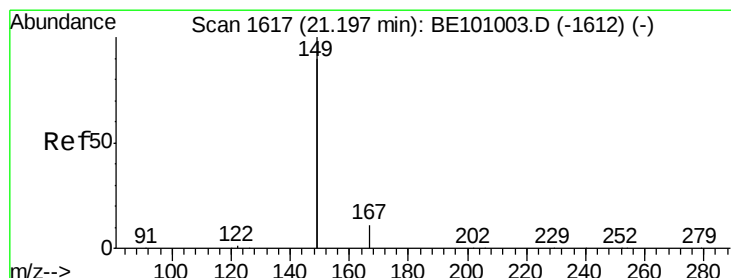
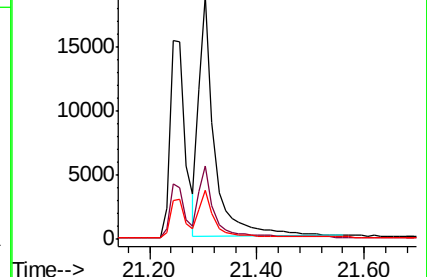
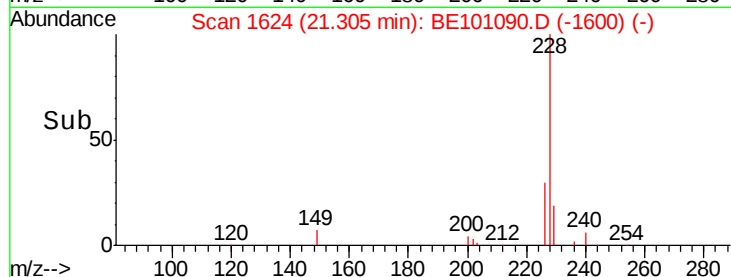
229 20.1 16.7 25.1



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: 0.735 ng

RT: 21.20 min Scan# 1615

Delta R.T. -0.00 min

Lab File: BE101090.D

Acq: 17 Jan 2020 18:21

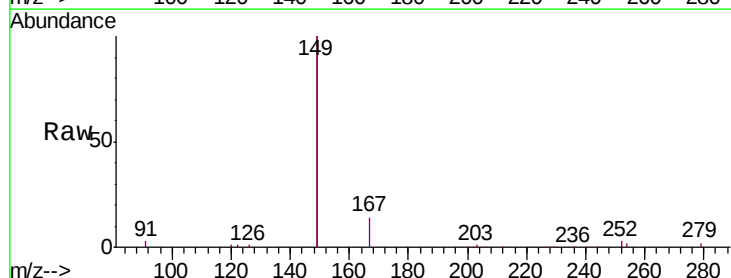
Tgt Ion:149 Resp: 85388

Ion Ratio Lower Upper

149 100

167 6.6 5.2 7.8

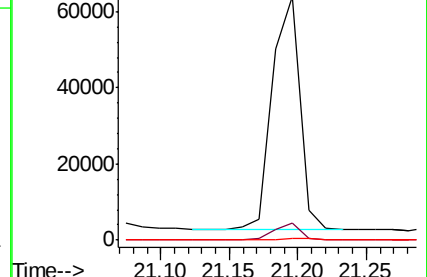
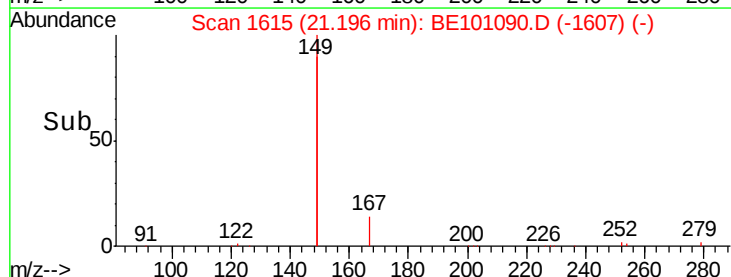
279 0.8 0.8 1.2#



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: 0.290 ng

RT: 26.23 min Scan# 2857

Delta R.T. -0.02 min

Lab File: BE101090.D

Acq: 17 Jan 2020 18:21

Instrument :

BNA_E

ClientSampleId :

PF-1MS

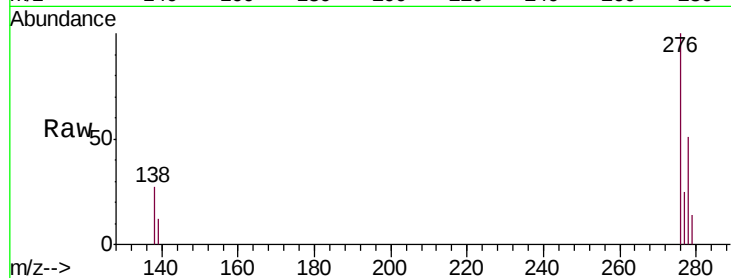
Tgt Ion:276 Resp: 23693

Ion Ratio Lower Upper

276 100

138 25.8 16.1 24.1#

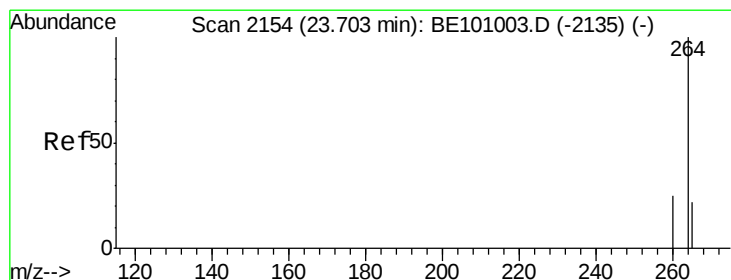
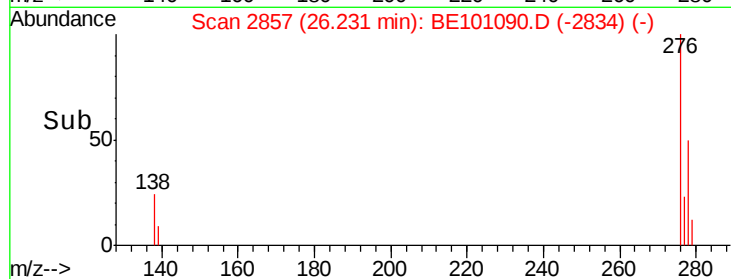
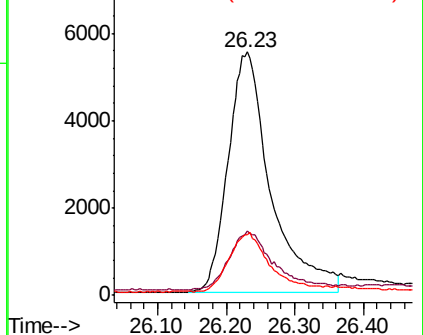
277 23.5 18.1 27.1



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: 23.69 min Scan# 2148

Delta R.T. -0.01 min

Lab File: BE101090.D

Acq: 17 Jan 2020 18:21

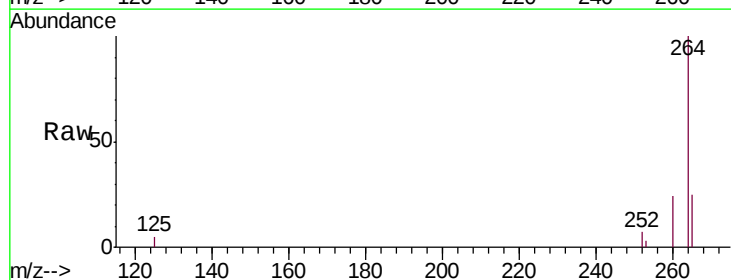
Tgt Ion:264 Resp: 24515

Ion Ratio Lower Upper

264 100

260 23.6 20.3 30.5

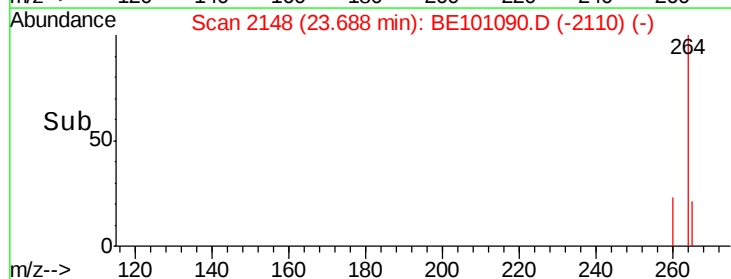
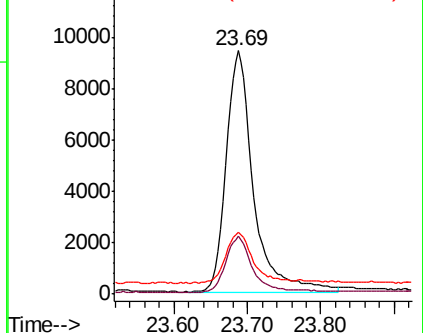
265 25.2 27.0 40.4#



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: 0.399 ng

RT: 22.95 min Scan# 1940

Delta R.T. -0.01 min

Lab File: BE101090.D

Acq: 17 Jan 2020 18:21

Instrument :

BNA_E

ClientSampleId :

PF-1MS

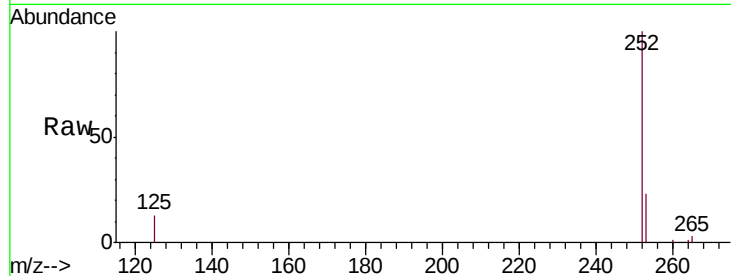
Tgt Ion:252 Resp: 27449

Ion Ratio Lower Upper

252 100

253 23.1 18.5 27.7

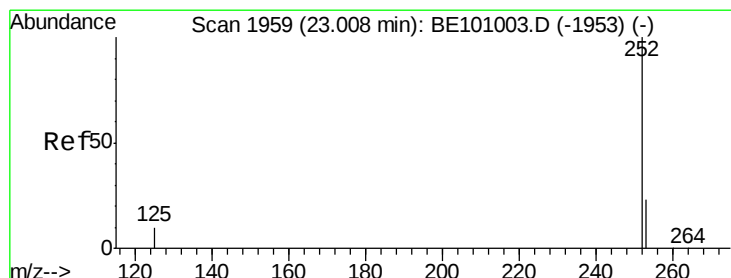
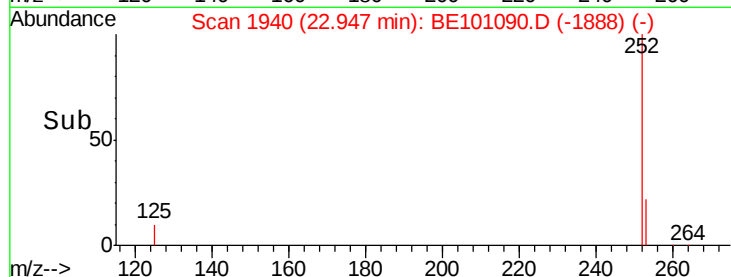
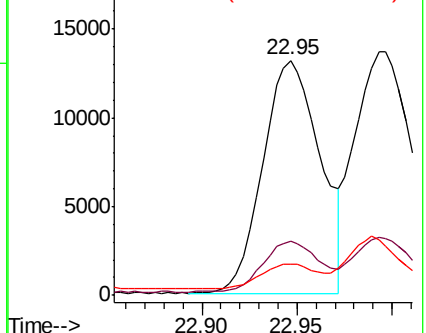
125 13.4 9.5 14.3



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: 0.276 ng

RT: 22.95 min Scan# 1940

Delta R.T. -0.06 min

Lab File: BE101090.D

Acq: 17 Jan 2020 18:21

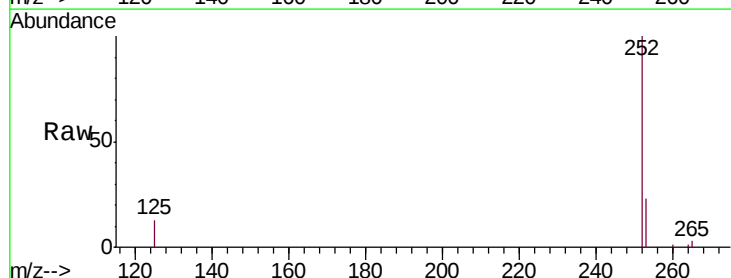
Tgt Ion:252 Resp: 27449

Ion Ratio Lower Upper

252 100

253 23.1 18.9 28.3

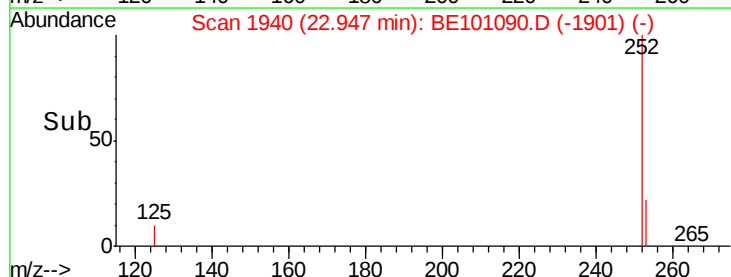
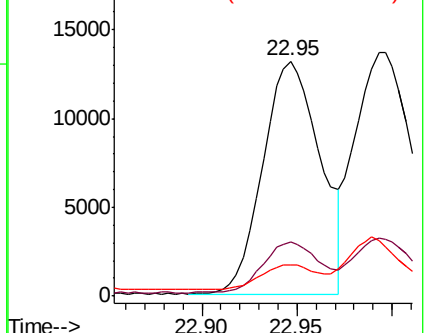
125 13.4 10.1 15.1



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: 0.387 ng

RT: 23.58 min Scan# 2117

Delta R.T. -0.01 min

Lab File: BE101090.D

Acq: 17 Jan 2020 18:21

Instrument :

BNA_E

ClientSampleId :

PF-1MS

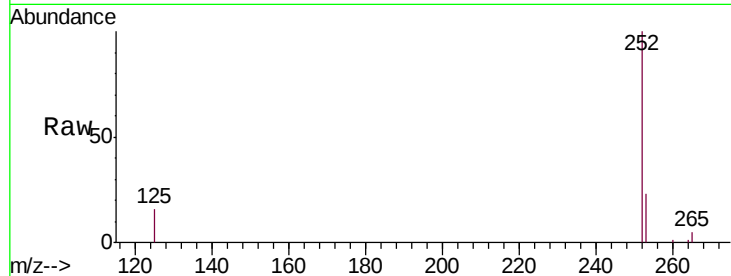
Tgt Ion:252 Resp: 25752

Ion Ratio Lower Upper

252 100

253 22.9 19.4 29.2

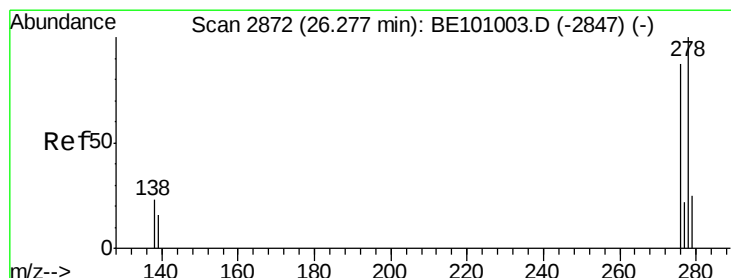
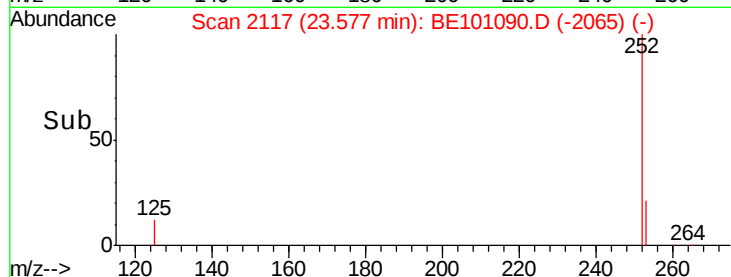
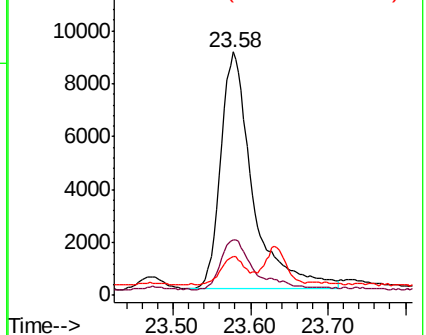
125 15.7 11.8 17.6



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: 0.305 ng

RT: 26.25 min Scan# 2862

Delta R.T. -0.03 min

Lab File: BE101090.D

Acq: 17 Jan 2020 18:21

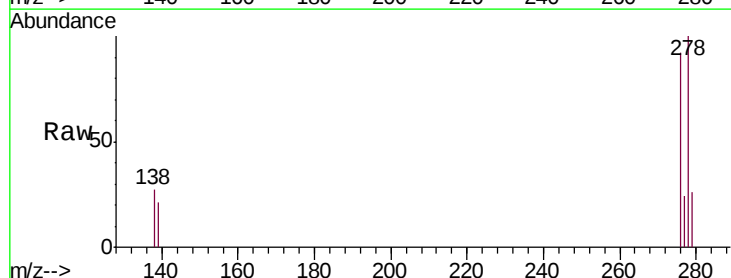
Tgt Ion:278 Resp: 18651

Ion Ratio Lower Upper

278 100

139 20.6 15.0 22.4

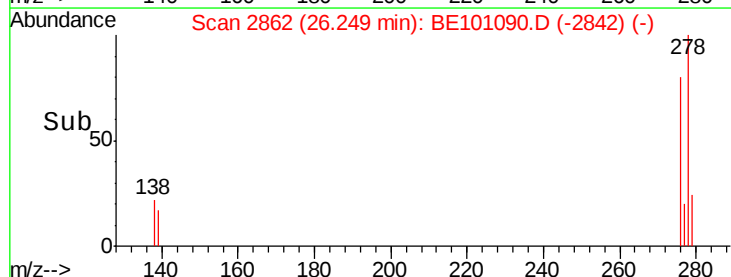
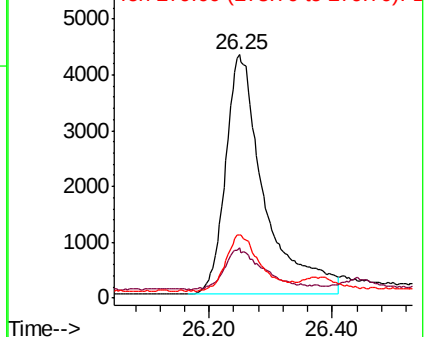
279 26.2 22.6 33.8

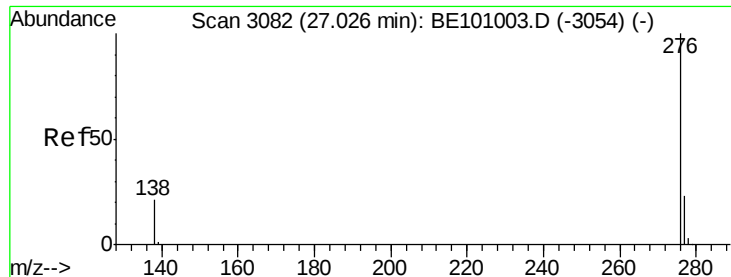


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.295 ng

RT: 27.01 min Scan# 3075

Delta R.T. -0.02 min

Lab File: BE101090.D

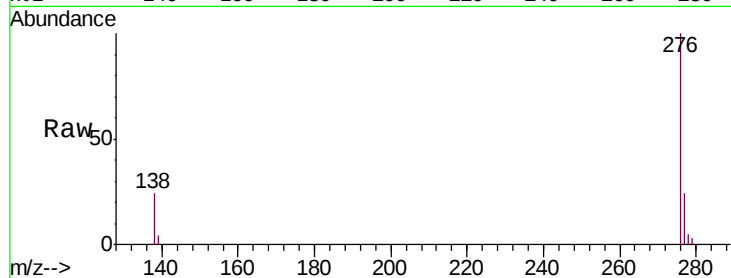
Acq: 17 Jan 2020 18:21

Instrument :

BNA_E

ClientSampleId :

PF-1MS



Tgt Ion: 276 Resp: 22200

Ion Ratio Lower Upper

276 100

277 23.8 19.4 29.2

138 24.1 17.9 26.9

