

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011720\
 Data File : BE101094.D
 Acq On : 17 Jan 2020 20:47
 Operator : JU
 Sample : L1167-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PF-4

Quant Time: Jan 17 23:40:34 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	1292	0.40	ng	-0.01
7) Naphthalene-d8	10.50	136	5333	0.40	ng	0.00
13) Acenaphthene-d10	14.36	164	4887	0.40	ng	0.00
19) Phenanthrene-d10	17.09	188	15537	0.40	ng	0.00
27) Chrysene-d12	21.27	240	23476	0.40	ng	-0.01
34) Perylene-d12	23.69	264	22915	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.33	112	1629	0.56	ng	-0.01
5) Phenol-d6	6.89	99	2125	0.58	ng	-0.02
8) Nitrobenzene-d5	8.87	82	1455	0.38	ng	0.00
11) 2-Methylnaphthalene-d10	12.11	152	3889	0.38	ng	0.00
14) 2,4,6-Tribromophenol	15.85	330	511	0.37	ng	0.00
15) 2-Fluorobiphenyl	12.99	172	5896	0.32	ng	-0.01
25) Fluoranthene-d10	19.12	212	99605	0.46	ng	-0.01
29) Terphenyl-d14	19.72	244	19377	0.34	ng	-0.01

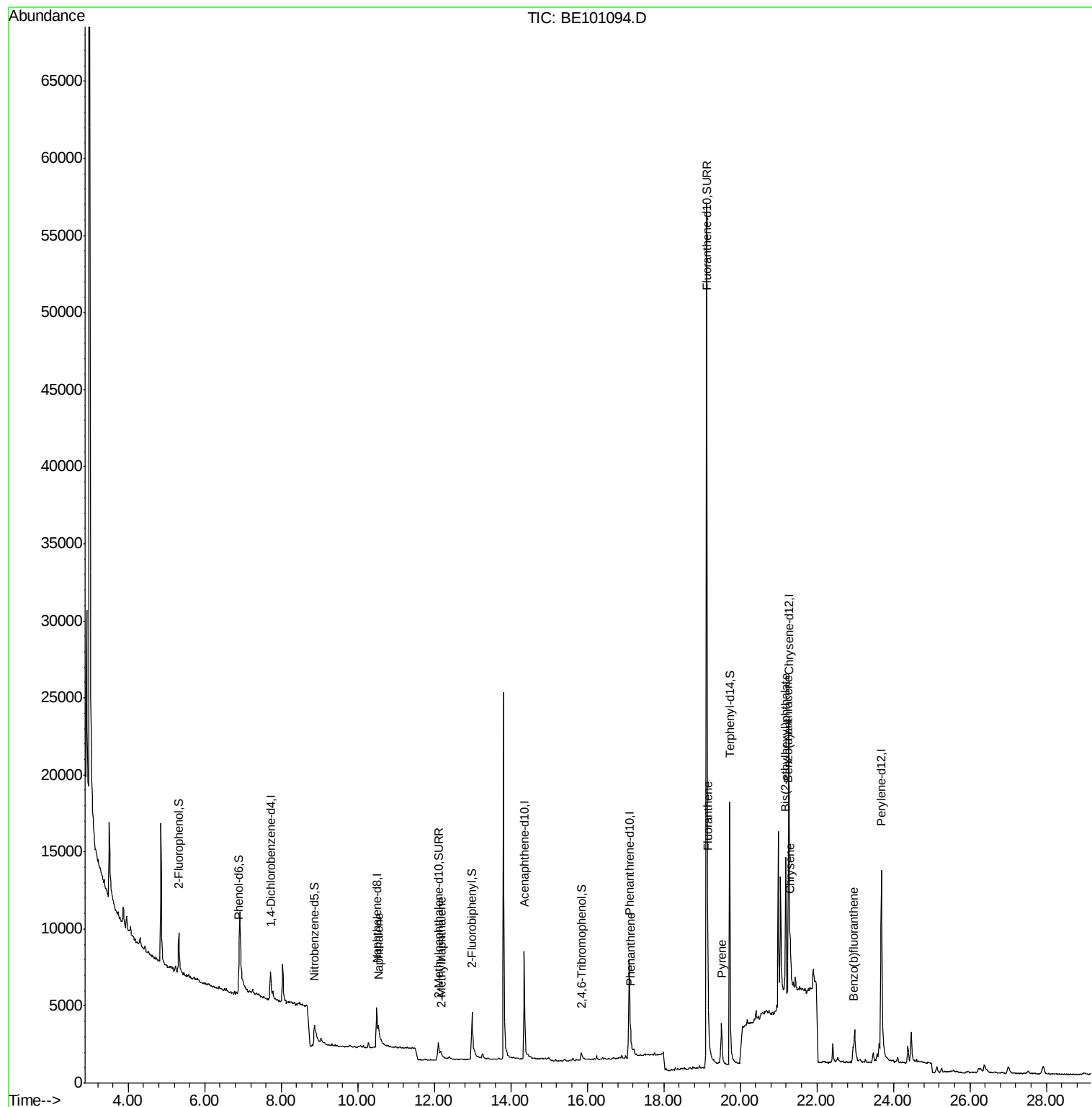
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Naphthalene	10.55	128	2739	0.046	ng	# 86
12) 2-Methylnaphthalene	12.18	142	394	0.044	ng	# 76
23) Phenanthrene	17.13	178	1260	0.030	ng	# 98
26) Fluoranthene	19.15	202	2101	0.040	ng	# 95
28) Pyrene	19.51	202	3128	0.036	ng	# 98
30) Benzo(a)anthracene	21.26	228	2191	0.033	ng	# 76
31) Chrysene	21.31	228	2711	0.027	ng	# 87
32) Bis(2-ethylhexyl)phthalate	21.18	149	13620	0.122	ng	# 98
35) Benzo(b)fluoranthene	22.96	252	1931	0.030	ng	# 26

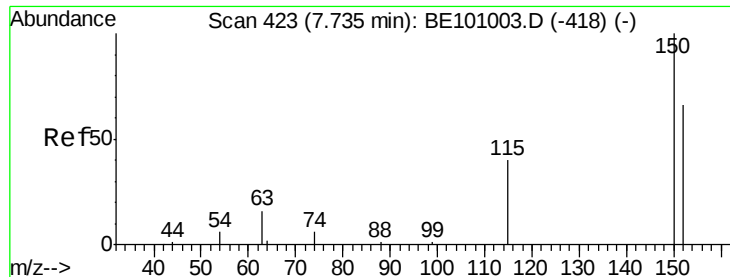
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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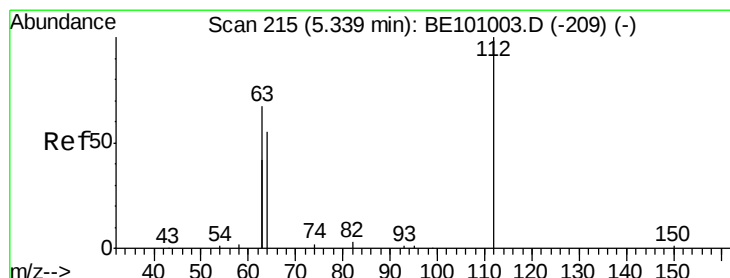
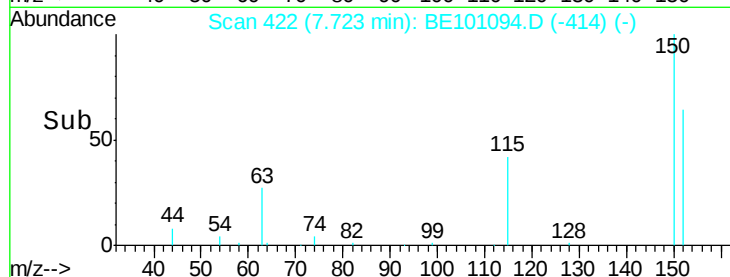
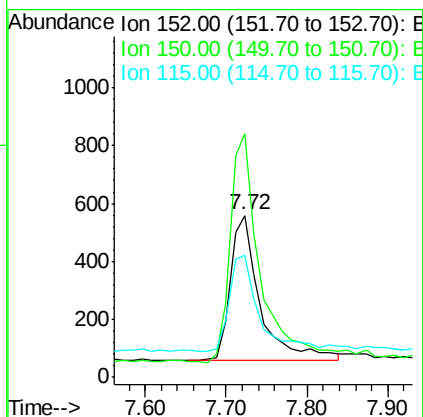
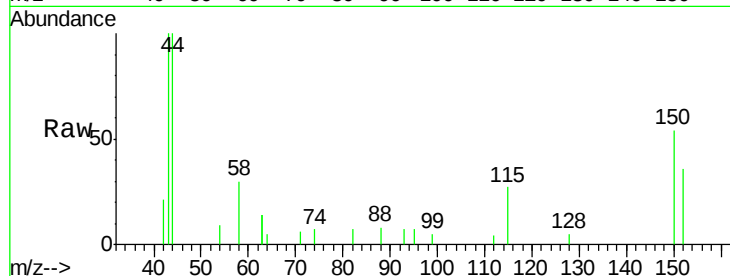


#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.72 min Scan# 422
Delta R.T. -0.01 min
Lab File: BE101094.D
Acq: 17 Jan 2020 20:47

Instrument :
BNA_E
ClientSampleId :
PF-4

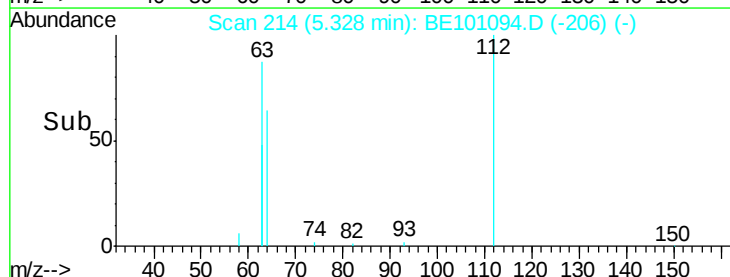
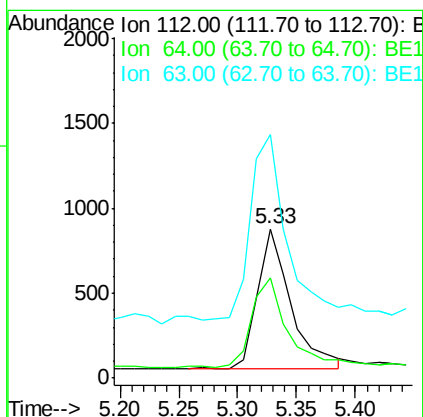
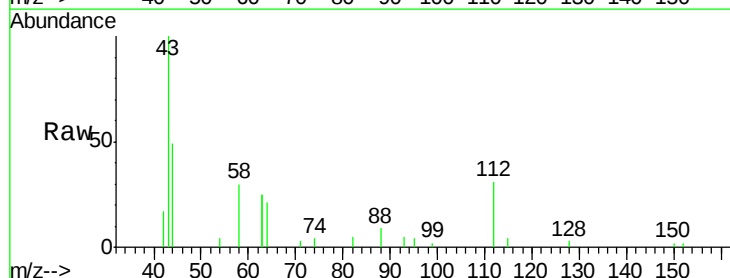
Tot Ion:152 Resp: 1292
Ion Ratio Lower Upper
152 100
150 150.4 120.3 180.5
115 75.3 51.7 77.5

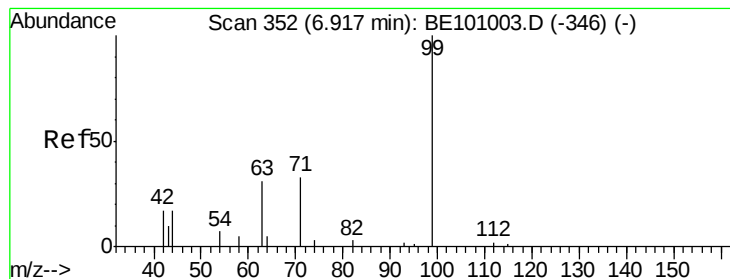


#4

2-Fluorophenol
Concen: 0.560 ng
RT: 5.33 min Scan# 214
Delta R.T. -0.01 min
Lab File: BE101094.D
Acq: 17 Jan 2020 20:47

Tgt Ion:112 Resp: 1629
Ion Ratio Lower Upper
112 100
64 65.1 53.6 80.4
63 145.2 114.6 172.0





#5

Phenol-d6

Concen: 0.578 ng

RT: 6.89 min Scan# 350

Delta R.T. -0.02 min

Lab File: BE101094.D

Acq: 17 Jan 2020 20:47

Instrument :

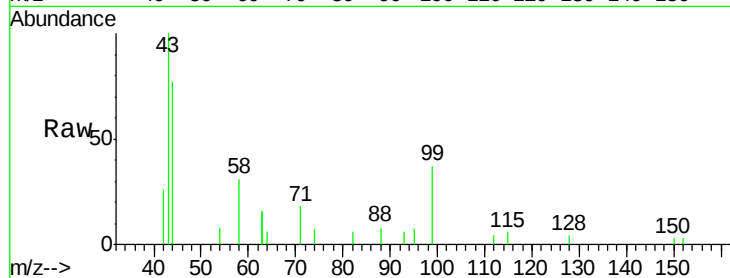
BNA_E

ClientSampled :

PF-4

Tot Ion: 99 Resp: 2125

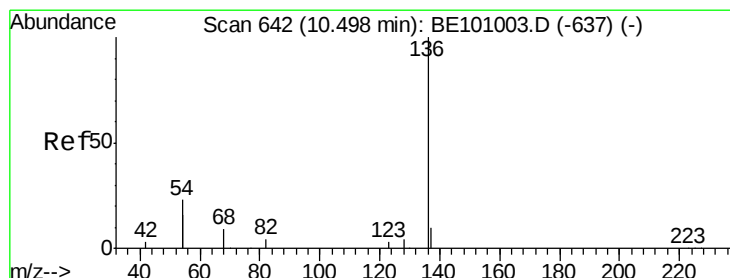
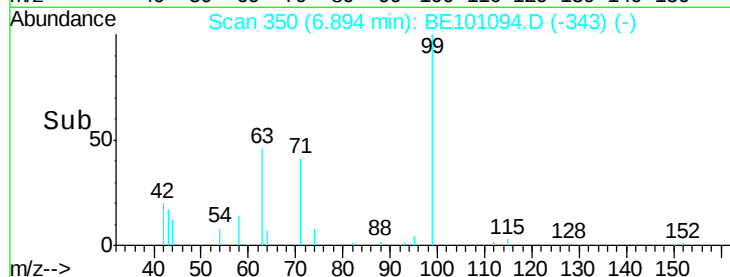
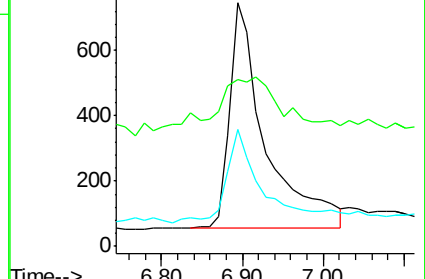
Ion	Ratio	Lower	Upper
99	100		
42	0.0	18.3	27.5#
71	35.9	28.0	42.0



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



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.50 min Scan# 641

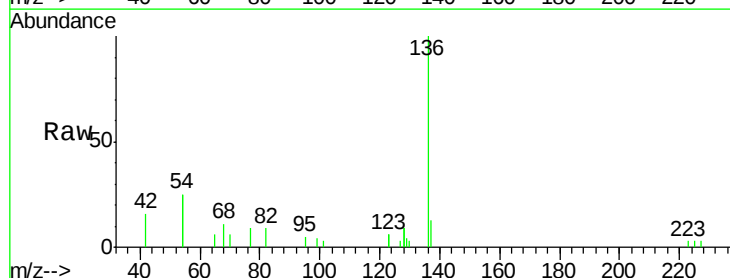
Delta R.T. -0.00 min

Lab File: BE101094.D

Acq: 17 Jan 2020 20:47

Tgt Ion: 136 Resp: 5333

Ion	Ratio	Lower	Upper
136	100		
137	13.4	9.3	13.9
54	50.9	36.8	55.2
68	11.3	8.4	12.6

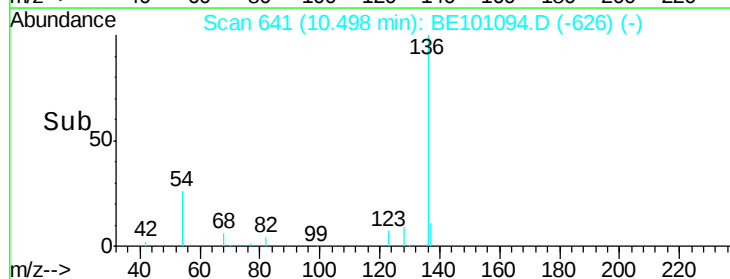
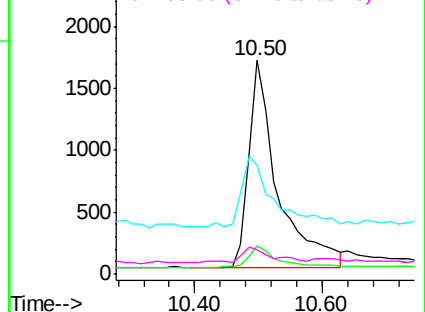


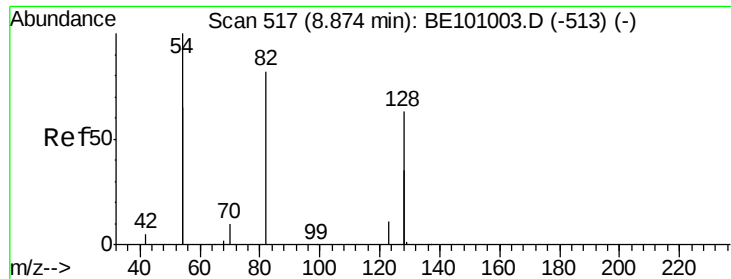
Abundance Ion 136.00 (135.70 to 136.70): BE1

Ion 137.00 (136.70 to 137.70): BE1

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1





#8

Nitrobenzene-d5

Concen: 0.381 ng

RT: 8.87 min Scan# 516

Delta R.T. -0.00 min

Lab File: BE101094.D

Acq: 17 Jan 2020 20:47

Instrument :

BNA_E

ClientSampled :

PF-4

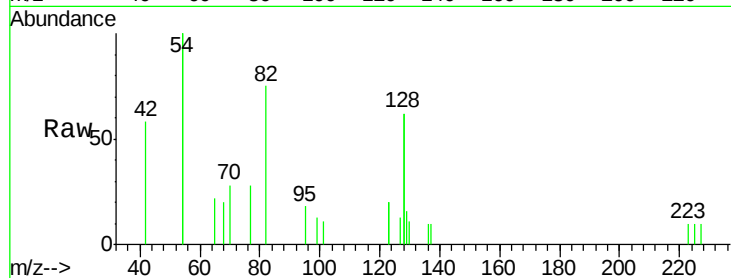
Tot Ion: 82 Resp: 1455

Ion Ratio Lower Upper

82 100

128 164.5 109.8 164.6

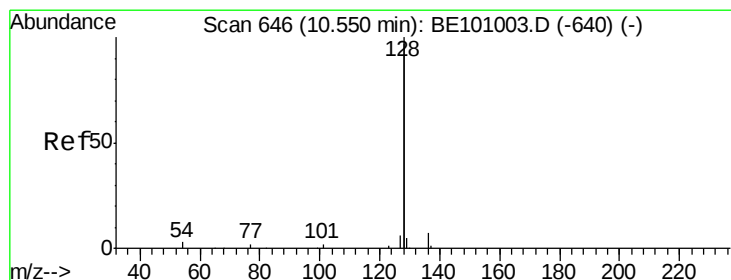
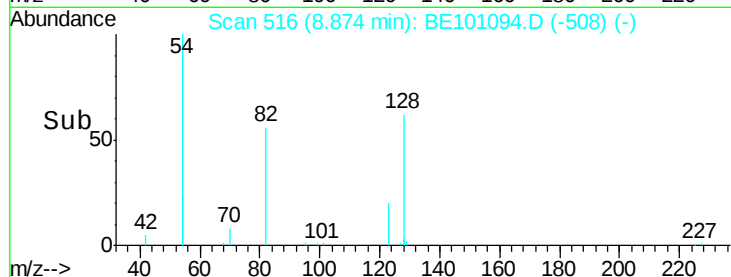
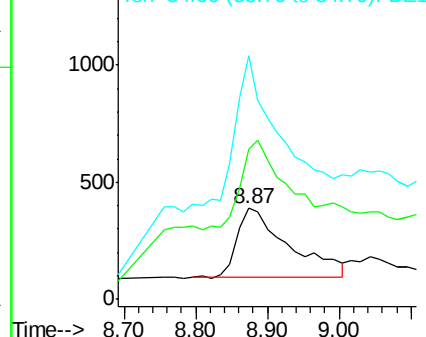
54 267.4 174.5 261.7#



Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): BE1

Ion 54.00 (53.70 to 54.70): BE1



#9

Naphthalene

Concen: 0.046 ng

RT: 10.55 min Scan# 645

Delta R.T. -0.00 min

Lab File: BE101094.D

Acq: 17 Jan 2020 20:47

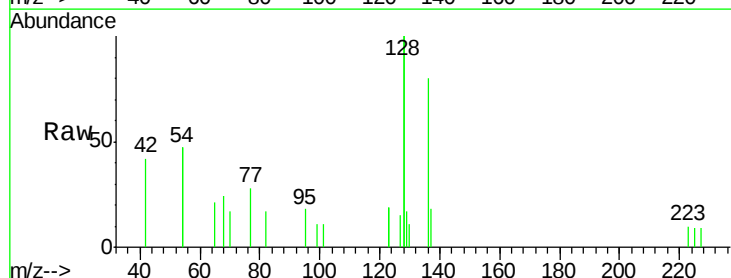
Tgt Ion: 128 Resp: 2739

Ion Ratio Lower Upper

128 100

129 8.4 2.3 3.5#

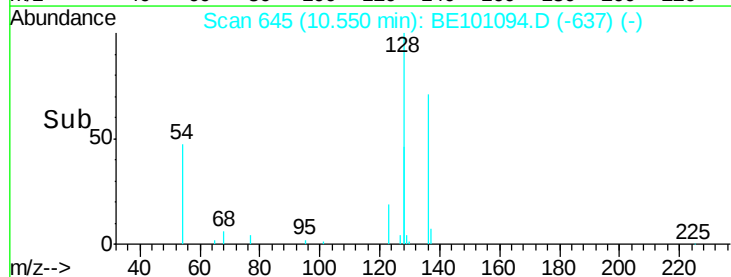
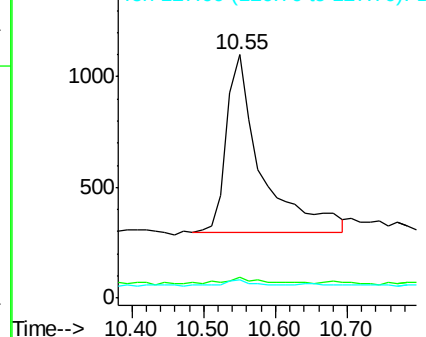
127 7.3 2.7 4.1#

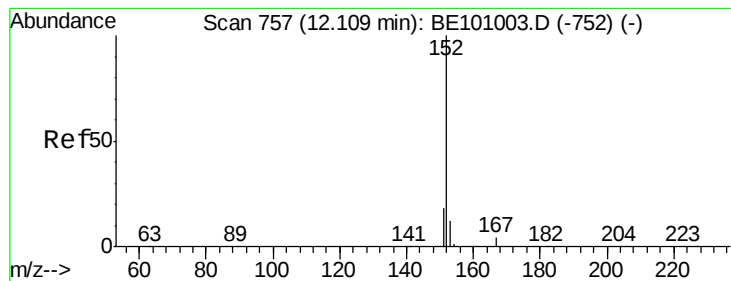


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.382 ng

RT: 12.11 min Scan# 756

Delta R.T. -0.00 min

Lab File: BE101094.D

Acq: 17 Jan 2020 20:47

Instrument :

BNA_E

ClientSampleId :

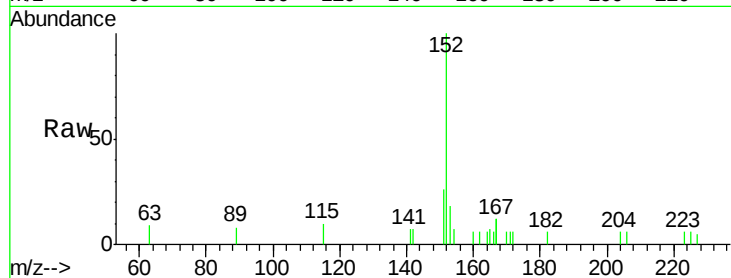
PF-4

Tot Ion:152 Resp: 3889

Ion Ratio Lower Upper

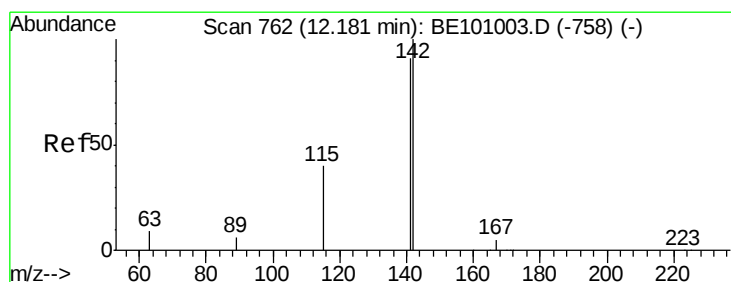
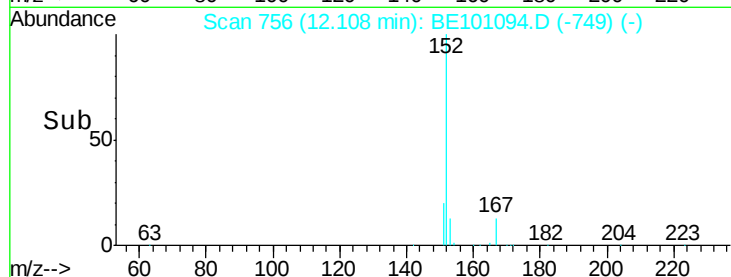
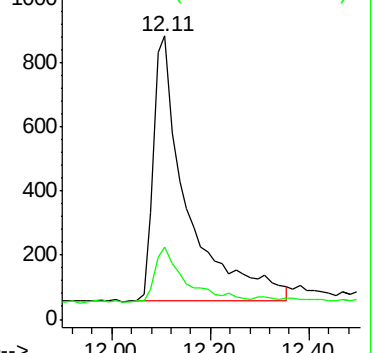
152 100

151 18.9 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: 0.044 ng

RT: 12.18 min Scan# 761

Delta R.T. -0.00 min

Lab File: BE101094.D

Acq: 17 Jan 2020 20:47

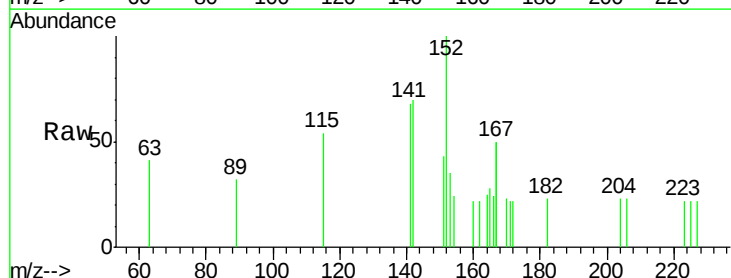
Tgt Ion:142 Resp: 394

Ion Ratio Lower Upper

142 100

141 98.1 72.5 108.7

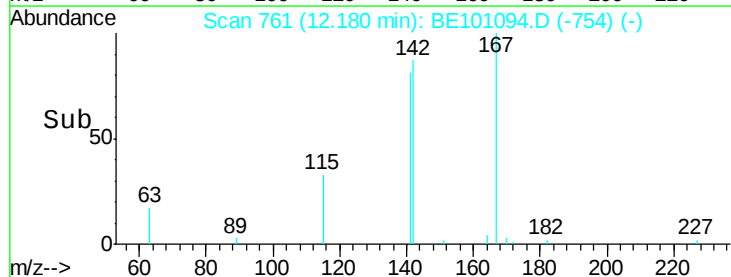
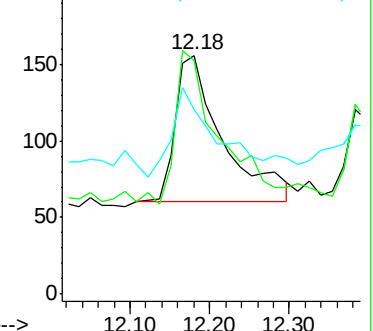
115 77.6 33.0 49.6#

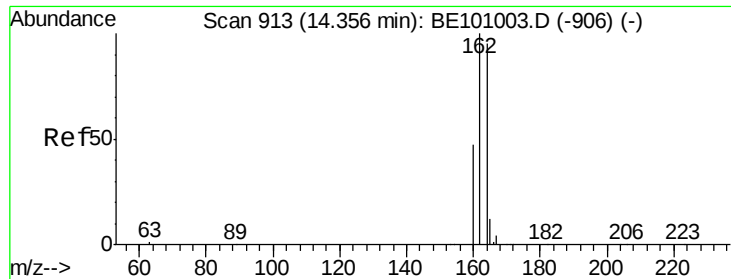


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

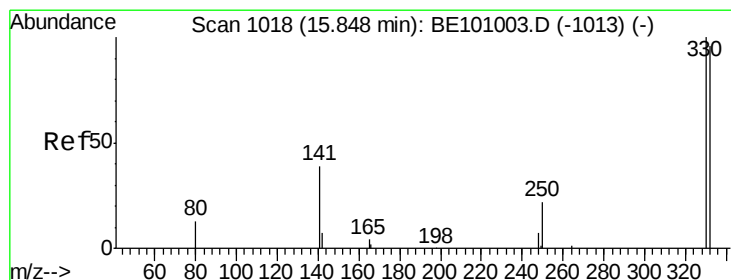
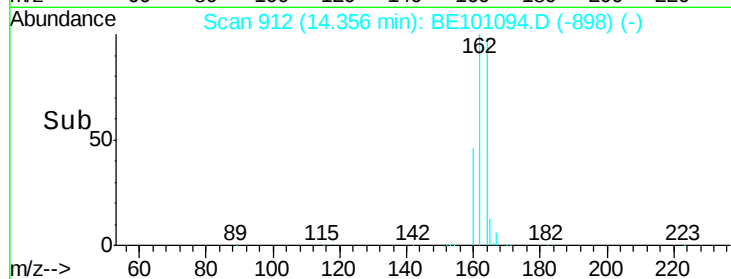
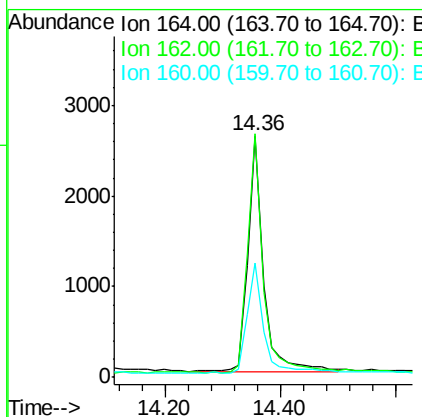
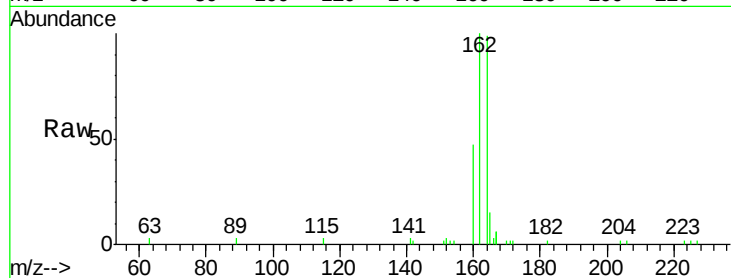




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.36 min Scan# 912
 Delta R.T. -0.00 min
 Lab File: BE101094.D
 Acq: 17 Jan 2020 20:47

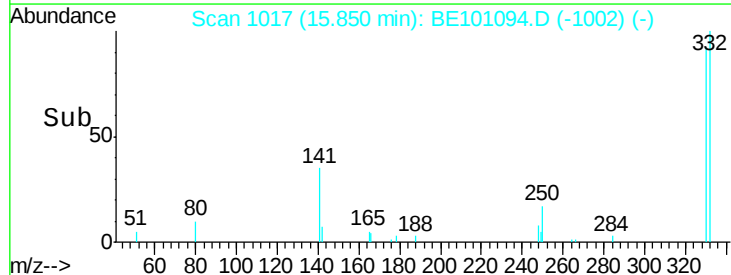
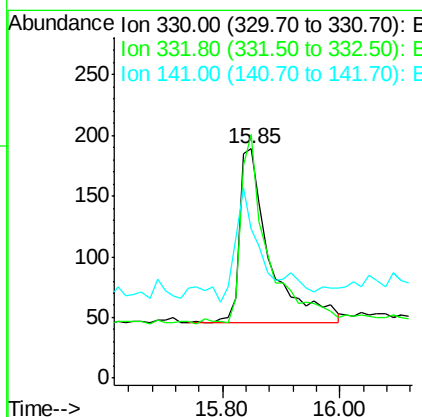
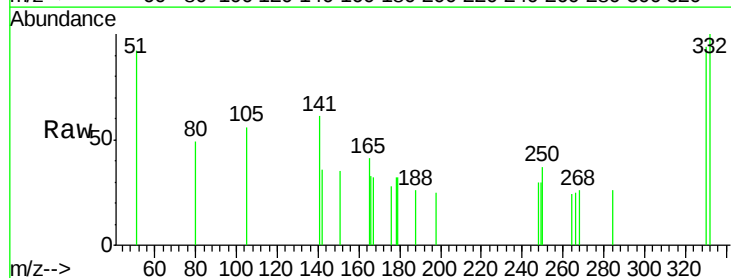
Instrument :
 BNA_E
 ClientSampleId :
 PF-4

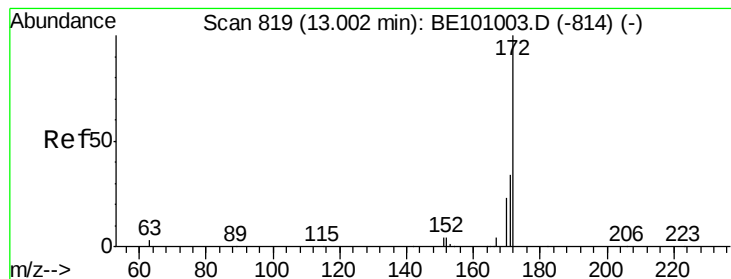
Tot Ion:164 Resp: 4887
 Ion Ratio Lower Upper
 164 100
 162 100.8 84.1 126.1
 160 47.5 40.4 60.6



#14
 2,4,6-Tribromophenol
 Concen: 0.370 ng
 RT: 15.85 min Scan# 1017
 Delta R.T. 0.00 min
 Lab File: BE101094.D
 Acq: 17 Jan 2020 20:47

Tgt Ion:330 Resp: 511
 Ion Ratio Lower Upper
 330 100
 332 93.0 78.4 117.6
 141 48.1 37.0 55.4

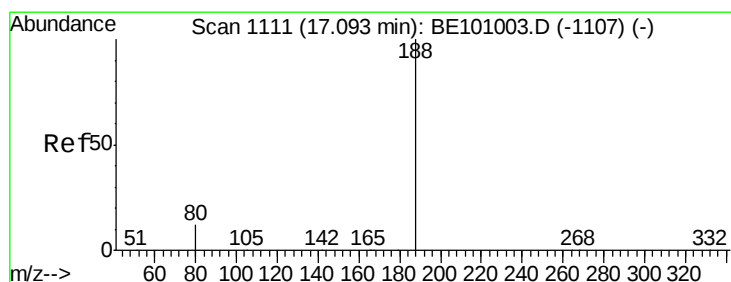
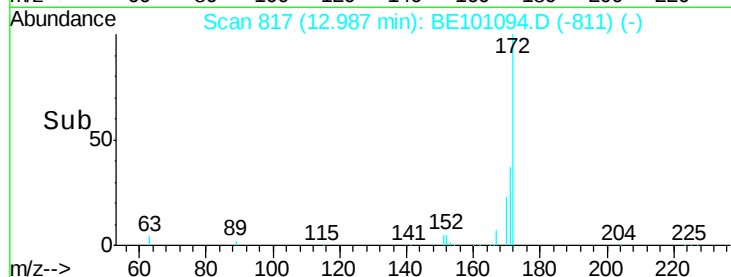
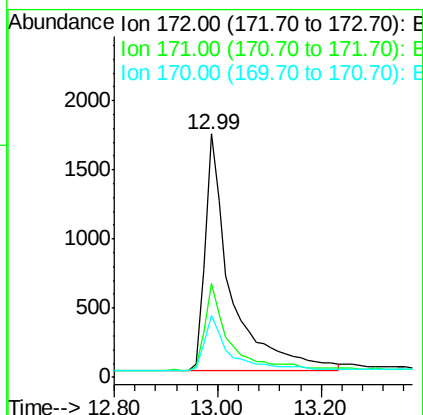
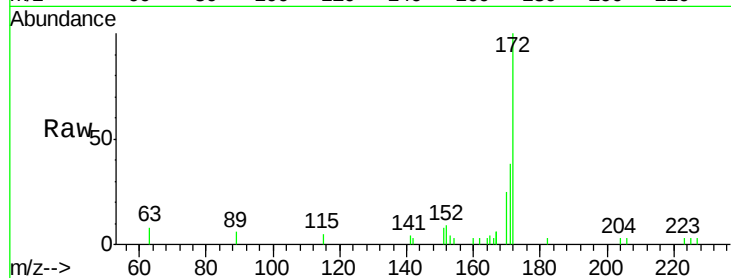




#15
2-Fluorobiphenyl
Concen: 0.318 ng
RT: 12.99 min Scan# 817
Delta R.T. -0.01 min
Lab File: BE101094.D
Acq: 17 Jan 2020 20:47

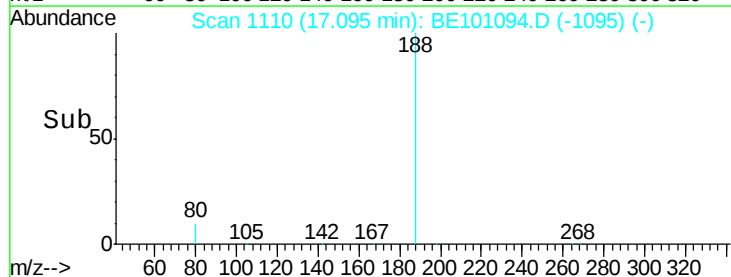
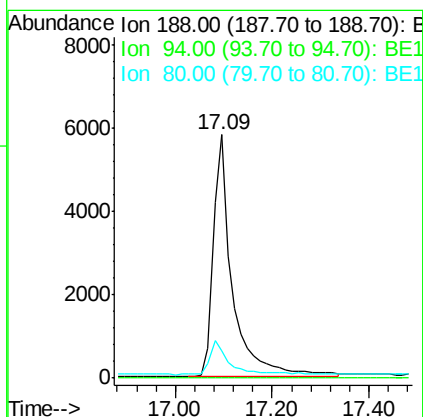
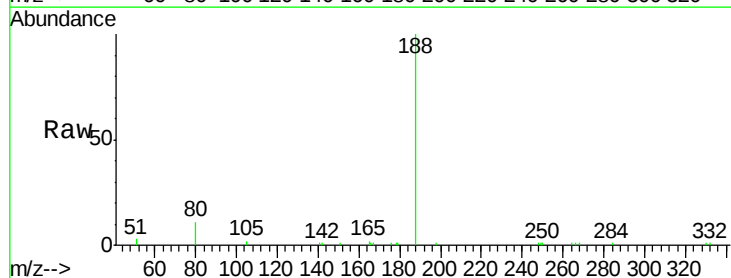
Instrument :
BNA_E
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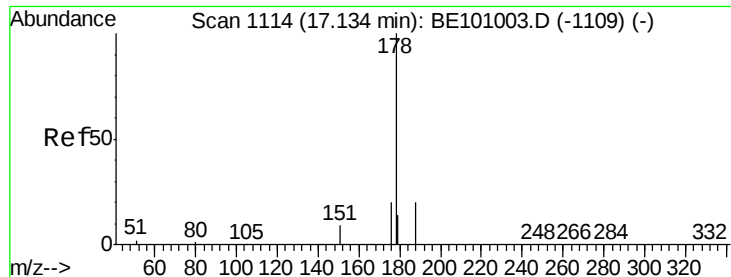
Tot Ion:172 Resp: 5896
Ion Ratio Lower Upper
172 100
171 38.3 28.2 42.2
170 25.2 18.9 28.3



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.09 min Scan# 1110
Delta R.T. 0.00 min
Lab File: BE101094.D
Acq: 17 Jan 2020 20:47

Tgt Ion:188 Resp: 15537
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.4 10.8 16.2





#23

Phenanthrene

Concen: 0.030 ng

RT: 17.13 min Scan# 1113

Delta R.T. 0.00 min

Lab File: BE101094.D

Acq: 17 Jan 2020 20:47

Instrument :

BNA_E

ClientSampleId :

PF-4

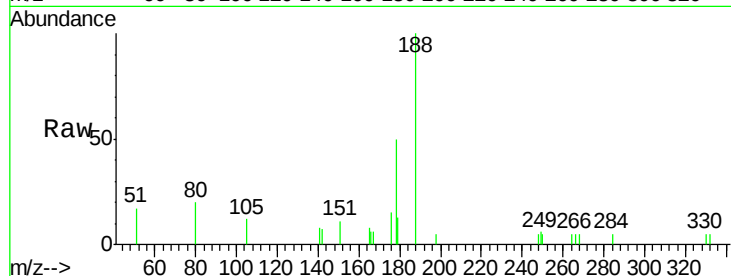
Tot Ion:178 Resp: 1260

Ion Ratio Lower Upper

178 100

176 20.5 15.7 23.5

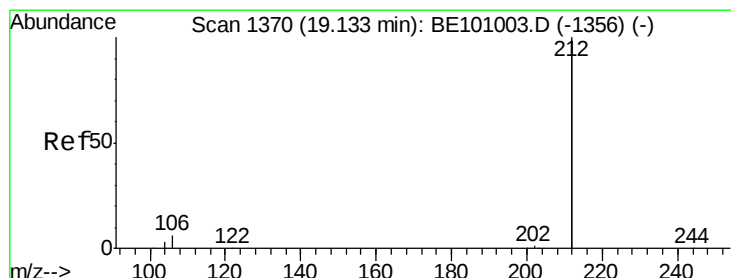
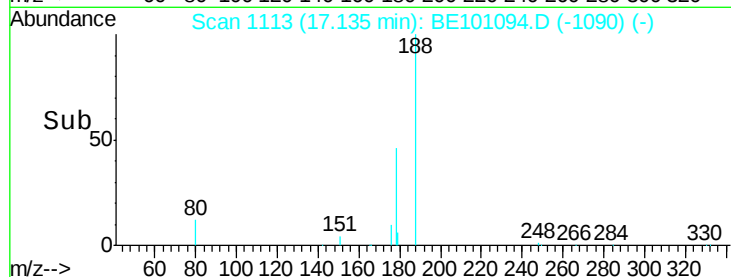
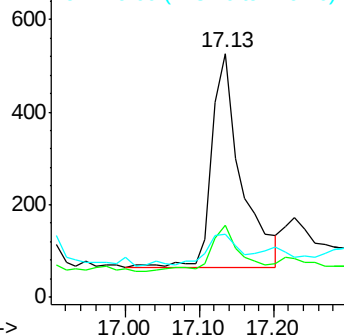
179 14.4 12.0 18.0



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



#25

Fluoranthene-d10

Concen: 0.462 ng

RT: 19.12 min Scan# 1367

Delta R.T. -0.01 min

Lab File: BE101094.D

Acq: 17 Jan 2020 20:47

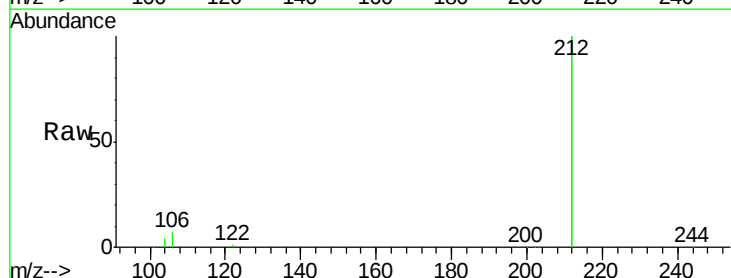
Tgt Ion:212 Resp: 99605

Ion Ratio Lower Upper

212 100

106 3.3 2.6 3.8

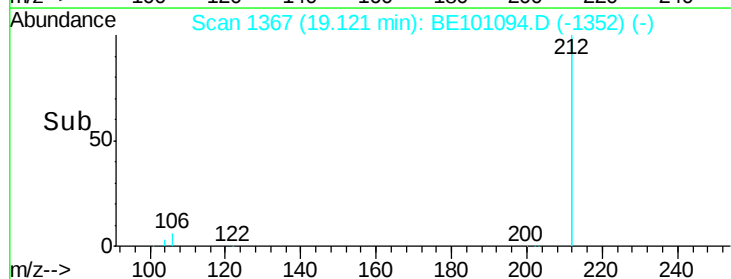
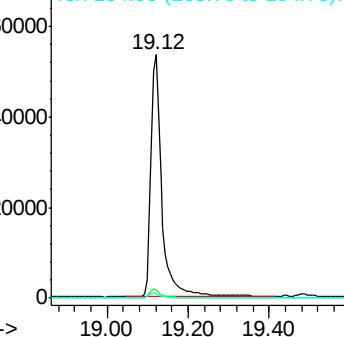
104 1.9 1.4 2.0

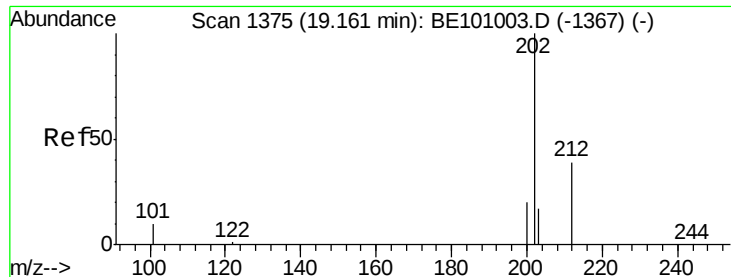


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

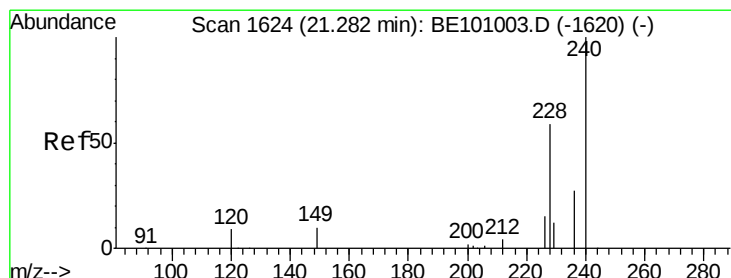
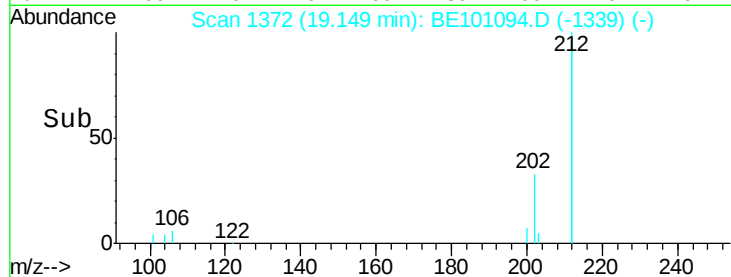
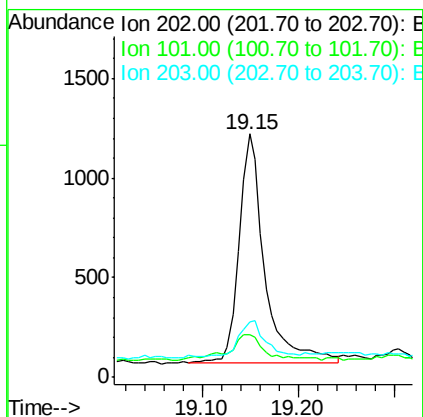
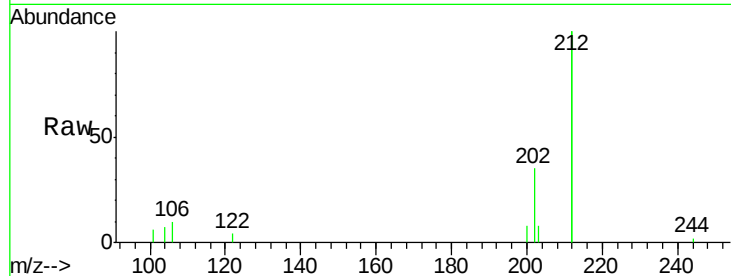




#26
 Fluoranthene
 Concen: 0.040 ng
 RT: 19.15 min Scan# 1372
 Delta R.T. -0.01 min
 Lab File: BE101094.D
 Acq: 17 Jan 2020 20:47

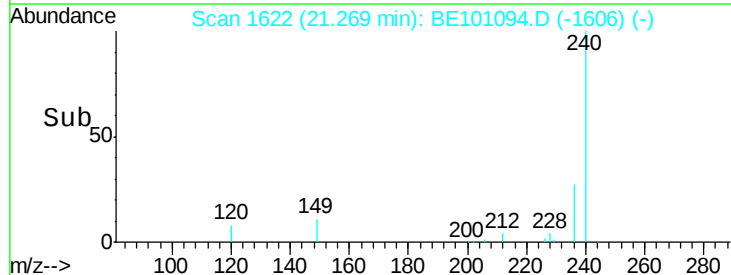
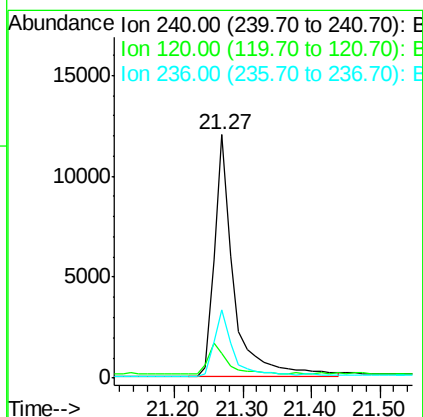
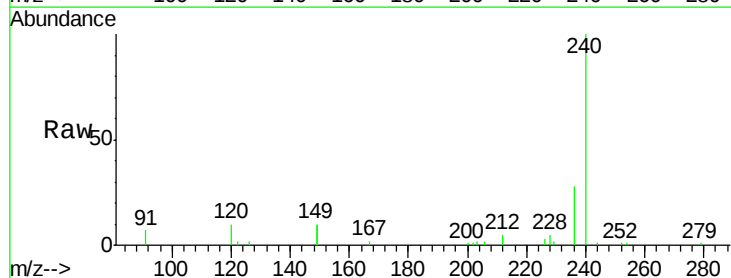
Instrument :
 BNA_E
 ClientSampleId :
 PF-4

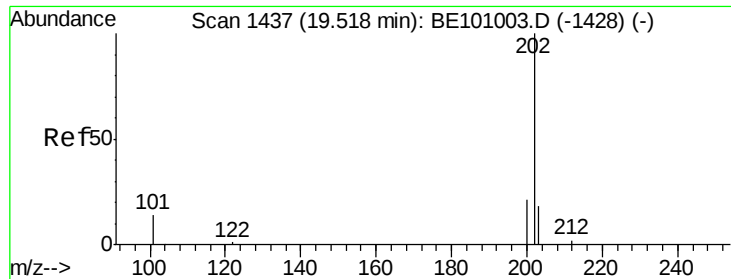
Tot Ion:202 Resp: 2101
 Ion Ratio Lower Upper
 202 100
 101 15.5 9.6 14.4#
 203 16.4 13.8 20.6



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.27 min Scan# 1622
 Delta R.T. -0.01 min
 Lab File: BE101094.D
 Acq: 17 Jan 2020 20:47

Tgt Ion:240 Resp: 23476
 Ion Ratio Lower Upper
 240 100
 120 10.3 8.6 13.0
 236 27.8 22.2 33.4

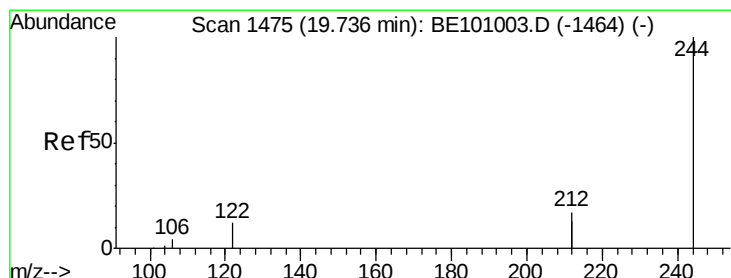
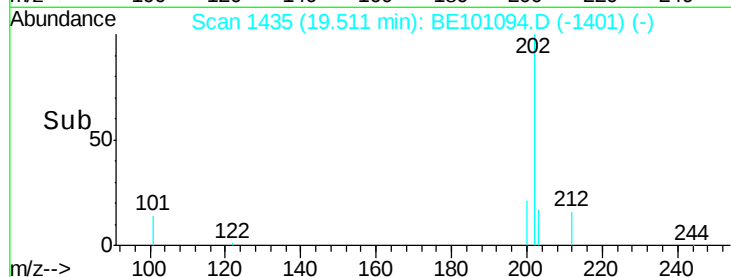
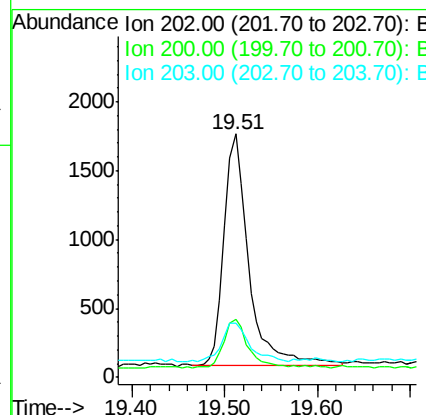
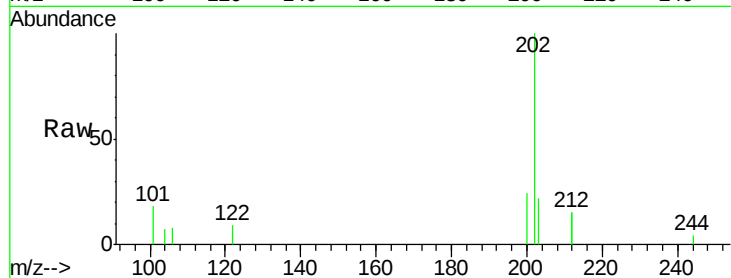




#28
Pvrene
Concen: 0.036 ng
RT: 19.51 min Scan# 1435
Delta R.T. -0.01 min
Lab File: BE101094.D
Acq: 17 Jan 2020 20:47

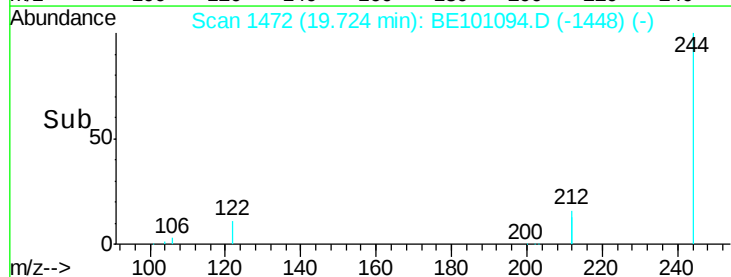
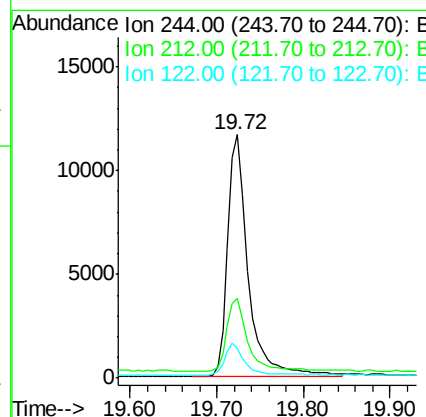
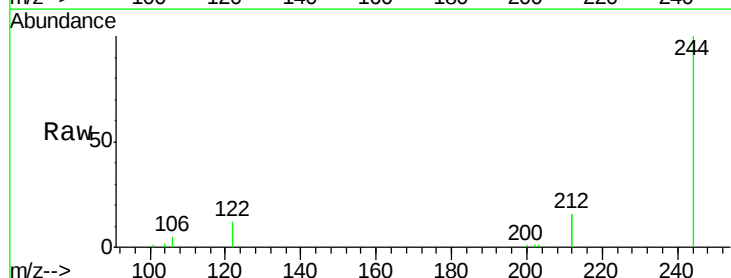
Instrument :
BNA_E
ClientSampleId :
PF-4

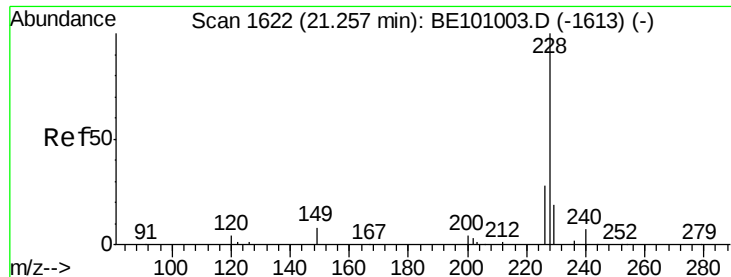
Tot Ion:202 Resp: 3128
Ion Ratio Lower Upper
202 100
200 20.6 17.0 25.4
203 18.7 13.8 20.6



#29
Terphenyl-d14
Concen: 0.336 ng
RT: 19.72 min Scan# 1472
Delta R.T. -0.01 min
Lab File: BE101094.D
Acq: 17 Jan 2020 20:47

Tgt Ion:244 Resp: 19377
Ion Ratio Lower Upper
244 100
212 32.5 27.2 40.8
122 12.4 9.8 14.8





#30

Benzo(a)anthracene

Concen: 0.033 ng

RT: 21.26 min Scan# 1621

Delta R.T. -0.00 min

Lab File: BE101094.D

Acq: 17 Jan 2020 20:47

Instrument :

BNA_E

ClientSampleId :

PF-4

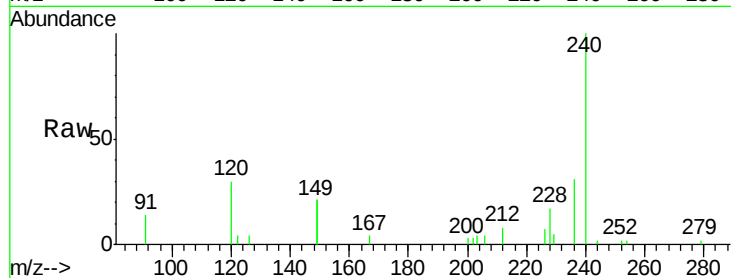
Tot Ion:228 Resp: 2191

Ion Ratio Lower Upper

228 100

226 39.4 22.7 34.1#

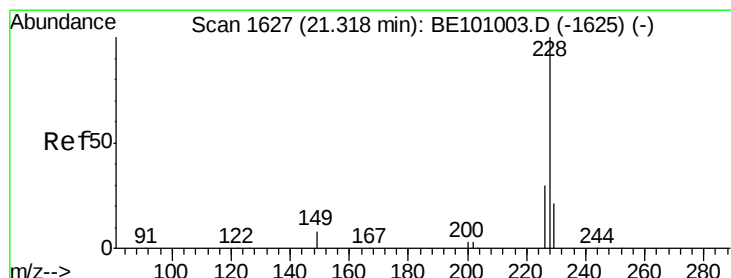
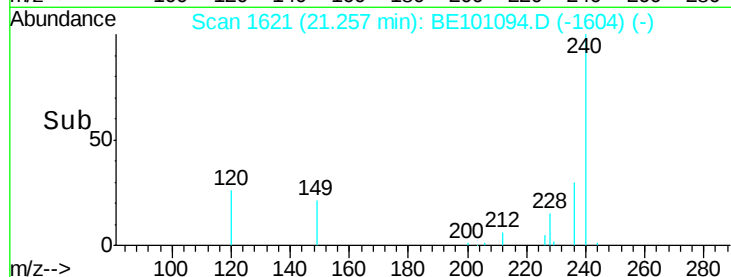
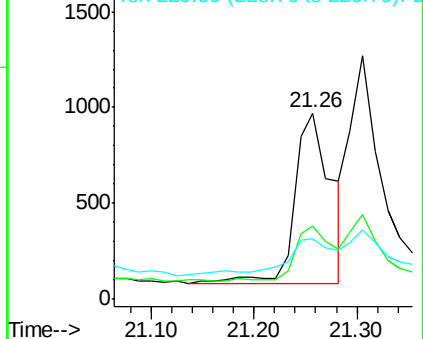
229 32.6 15.5 23.3#



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: 0.027 ng

RT: 21.31 min Scan# 1625

Delta R.T. -0.01 min

Lab File: BE101094.D

Acq: 17 Jan 2020 20:47

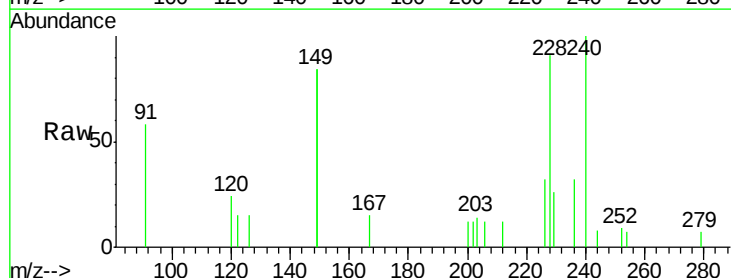
Tgt Ion:228 Resp: 2711

Ion Ratio Lower Upper

228 100

226 35.1 23.5 35.3

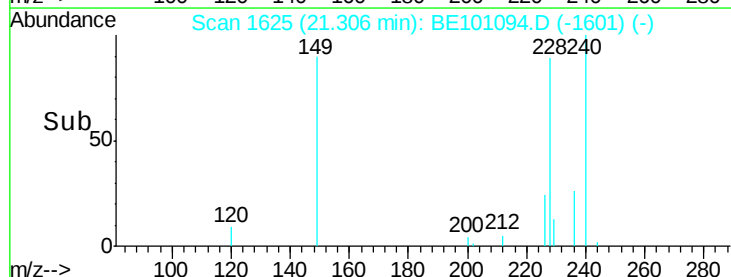
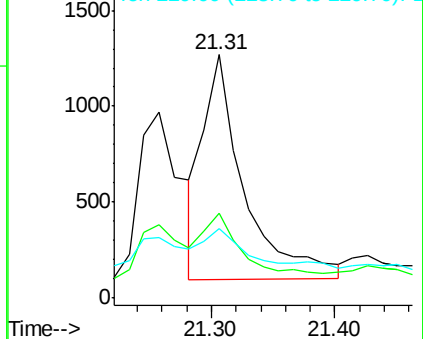
229 28.5 16.7 25.1#

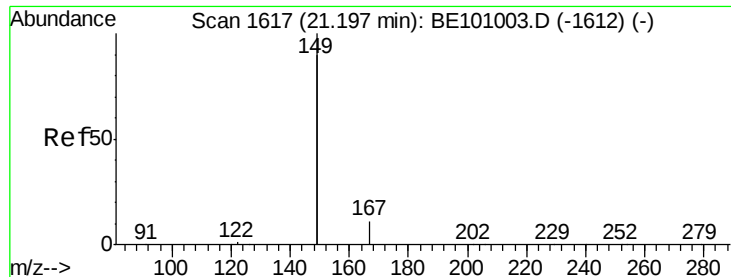


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.122 ng

RT: 21.18 min Scan# 1615

Delta R.T. -0.01 min

Lab File: BE101094.D

Acq: 17 Jan 2020 20:47

Instrument :

BNA_E

ClientSampleId :

PF-4

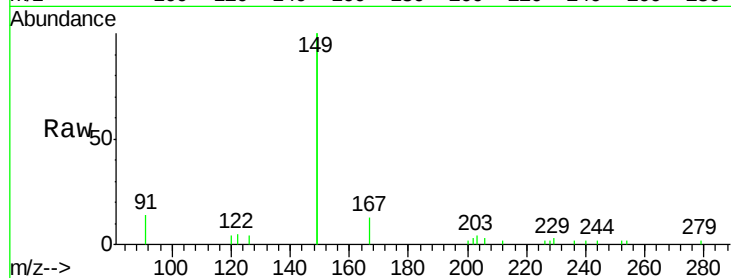
Tot Ion:149 Resp: 13620

Ion Ratio Lower Upper

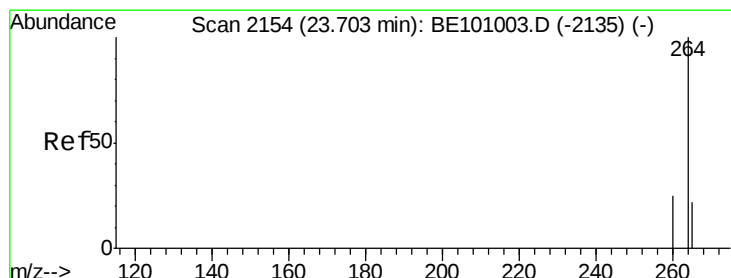
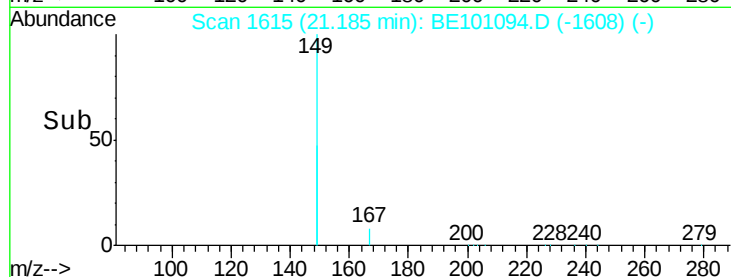
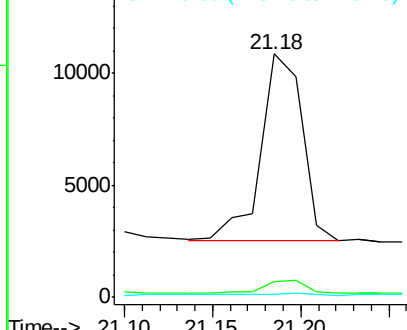
149 100

167 7.4 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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.69 min Scan# 2149

Delta R.T. -0.01 min

Lab File: BE101094.D

Acq: 17 Jan 2020 20:47

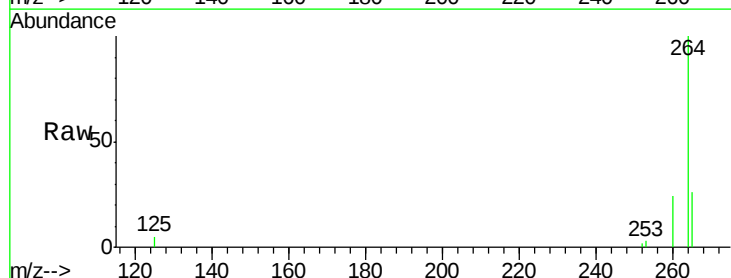
Tgt Ion:264 Resp: 22915

Ion Ratio Lower Upper

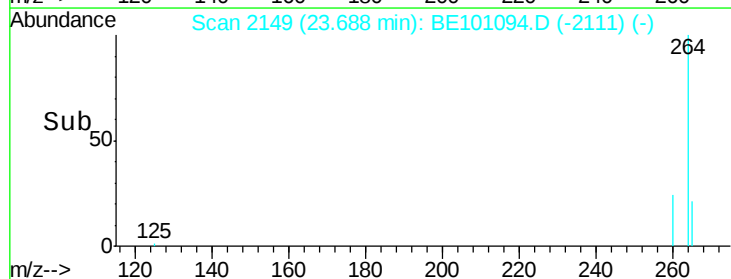
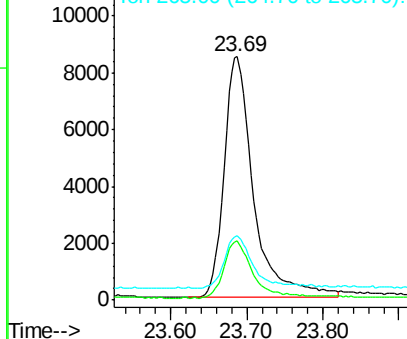
264 100

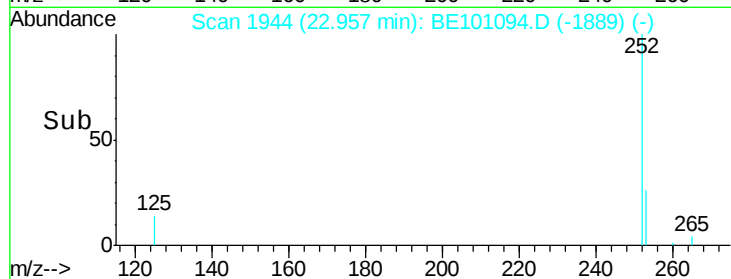
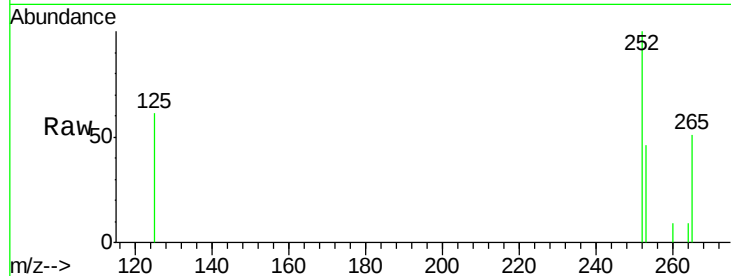
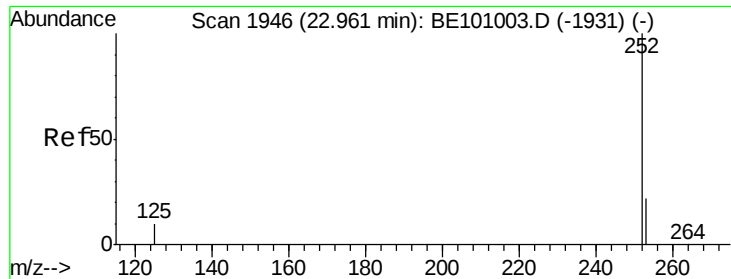
260 24.5 20.3 30.5

265 26.2 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: 0.030 ng

RT: 22.96 min Scan# 1944

Delta R.T. -0.00 min

Lab File: BE101094.D

Acq: 17 Jan 2020 20:47

Instrument :

BNA_E

ClientSampleId :

PF-4

Tot Ion: 252 Resp: 1931

Ion Ratio Lower Upper

252 100

253 45.5 18.5 27.7#

125 61.4 9.5 14.3#

