

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011720\
 Data File : BE101092.D
 Acq On : 17 Jan 2020 19:36
 Operator : JU
 Sample : L1167-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PF-2

Quant Time: Jan 17 23:37:12 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	1191	0.40	ng	-0.01
7) Naphthalene-d8	10.50	136	4919	0.40	ng	0.00
13) Acenaphthene-d10	14.36	164	4318	0.40	ng	0.00
19) Phenanthrene-d10	17.09	188	14556	0.40	ng	0.00
27) Chrysene-d12	21.27	240	24140	0.40	ng	-0.01
34) Perylene-d12	23.68	264	23183	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.33	112	1497	0.56	ng	-0.01
5) Phenol-d6	6.89	99	2016	0.59	ng	-0.02
8) Nitrobenzene-d5	8.87	82	1313	0.37	ng	0.00
11) 2-Methylnaphthalene-d10	12.11	152	3331	0.35	ng	0.00
14) 2,4,6-Tribromophenol	15.85	330	474	0.39	ng	0.00
15) 2-Fluorobiphenyl	12.99	172	5883	0.36	ng	-0.02
25) Fluoranthene-d10	19.12	212	103845	0.51	ng	-0.02
29) Terphenyl-d14	19.72	244	21182	0.36	ng	-0.01

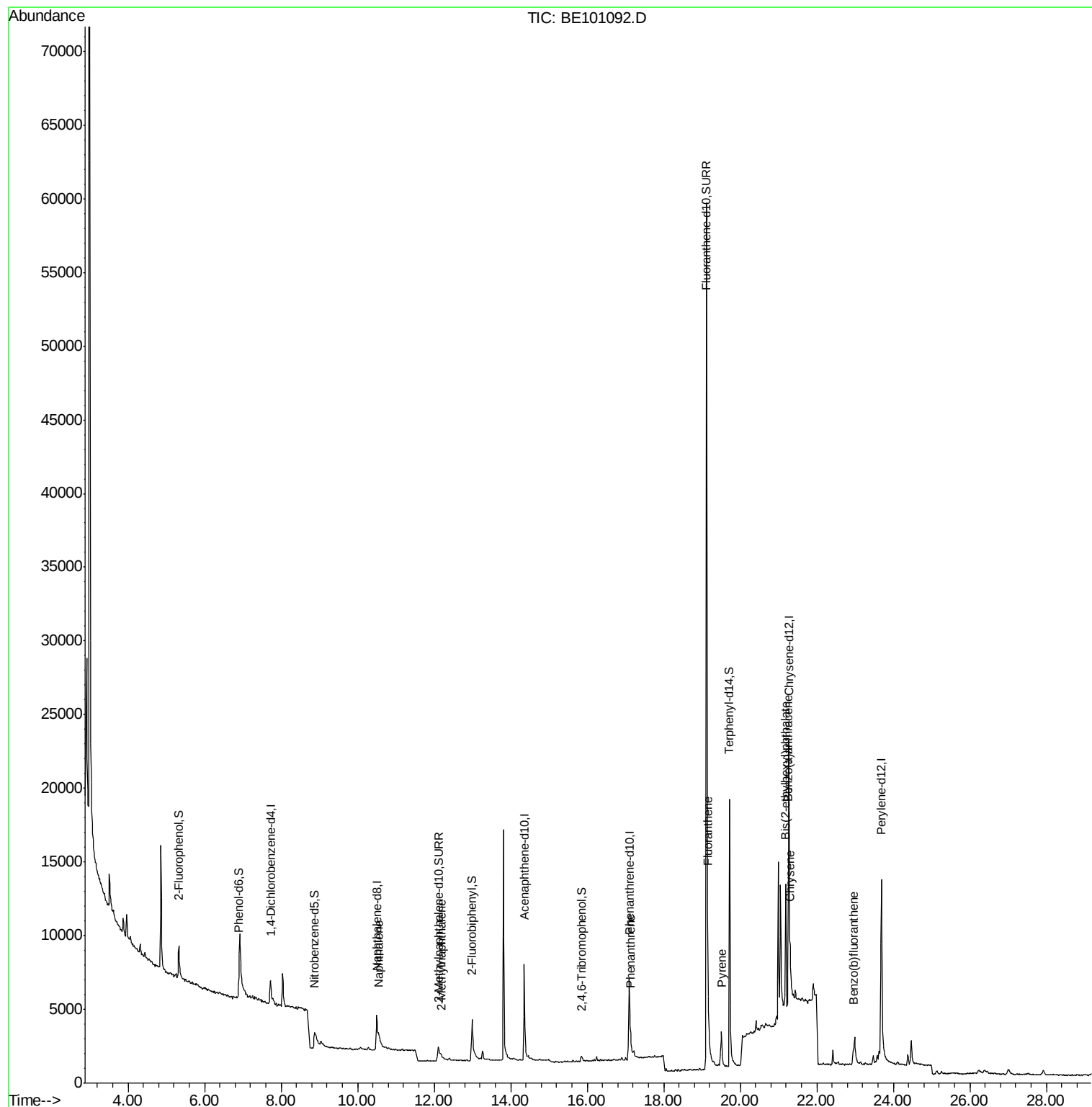
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Naphthalene	10.55	128	1885	0.035	ng	# 81
12) 2-Methylnaphthalene	12.18	142	331	0.040	ng	# 69
23) Phenanthrene	17.13	178	1062	0.027	ng	# 89
26) Fluoranthene	19.15	202	1952	0.039	ng	# 95
28) Pyrene	19.51	202	2588	0.029	ng	97
30) Benzo(a)anthracene	21.26	228	2164	0.031	ng	# 83
31) Chrysene	21.31	228	2499	0.024	ng	# 88
32) Bis(2-ethylhexyl)phthalate	21.18	149	12561	0.109	ng	99
35) Benzo(b)fluoranthene	22.95	252	1785	0.027	ng	# 40

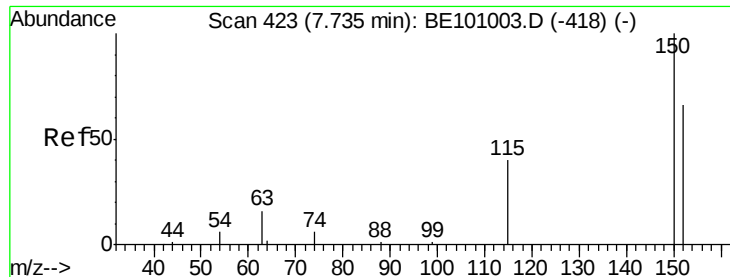
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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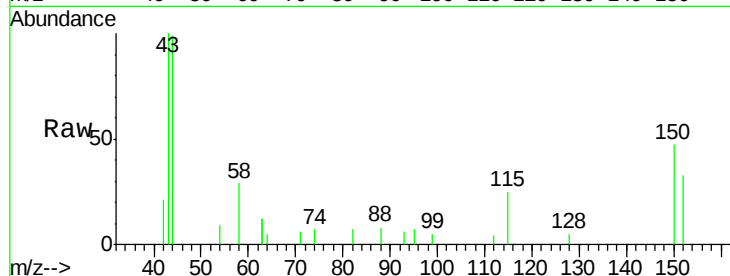


#1

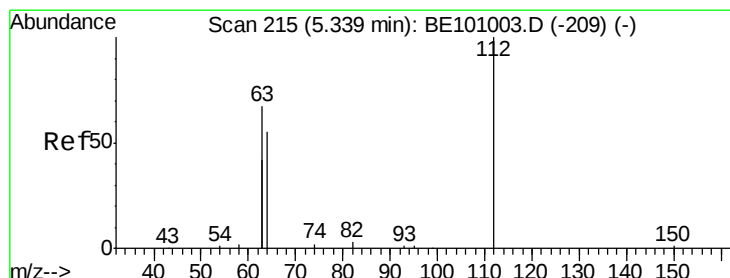
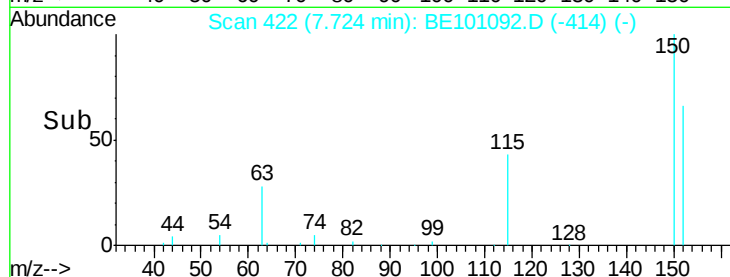
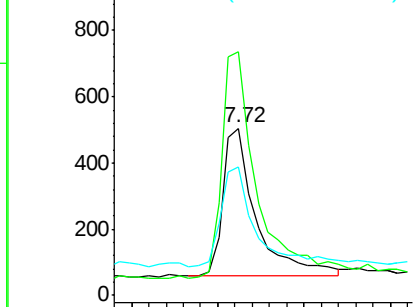
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.72 min Scan# 422
Delta R.T. -0.01 min
Lab File: BE101092.D
Acq: 17 Jan 2020 19:36

Instrument :
BNA_E
ClientSampled :
PF-2

Tot Ion:152 Resp: 1191
Ion Ratio Lower Upper
152 100
150 145.5 120.3 180.5
115 76.7 51.7 77.5



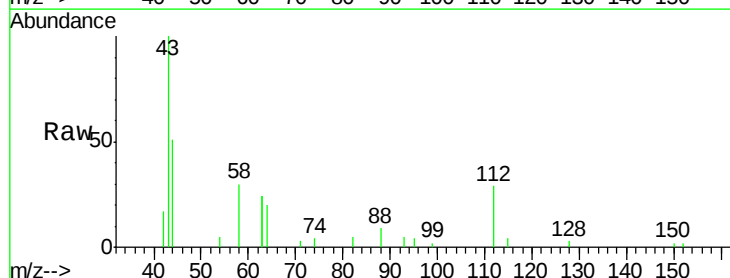
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



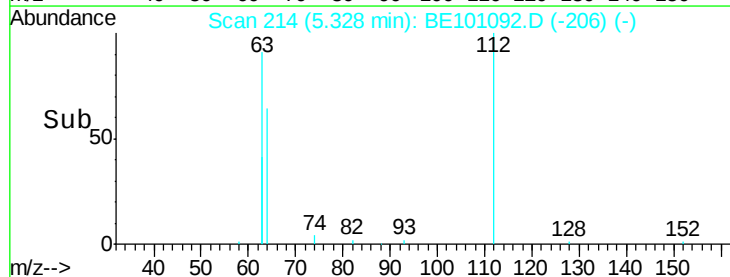
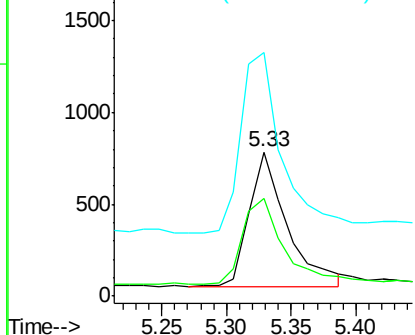
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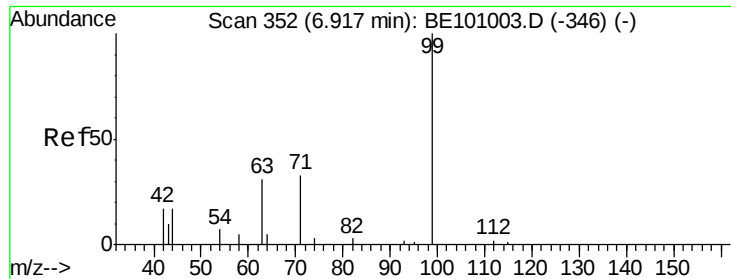
2-Fluorophenol
Concen: 0.558 ng
RT: 5.33 min Scan# 214
Delta R.T. -0.01 min
Lab File: BE101092.D
Acq: 17 Jan 2020 19:36

Tgt Ion:112 Resp: 1497
Ion Ratio Lower Upper
112 100
64 70.3 53.6 80.4
63 147.4 114.6 172.0



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: 0.594 ng

RT: 6.89 min Scan# 350

Delta R.T. -0.02 min

Lab File: BE101092.D

Acq: 17 Jan 2020 19:36

Instrument :

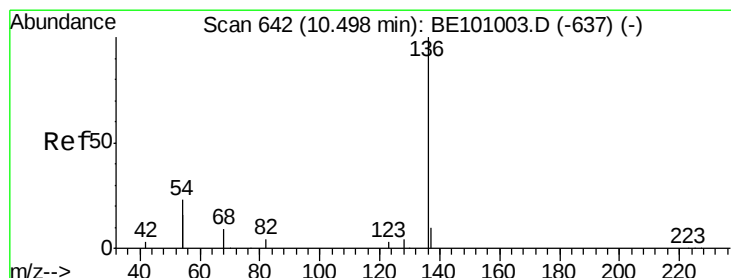
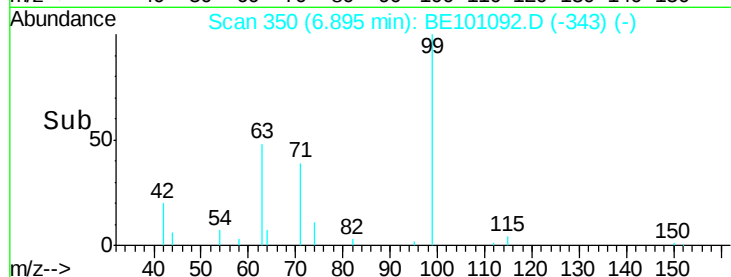
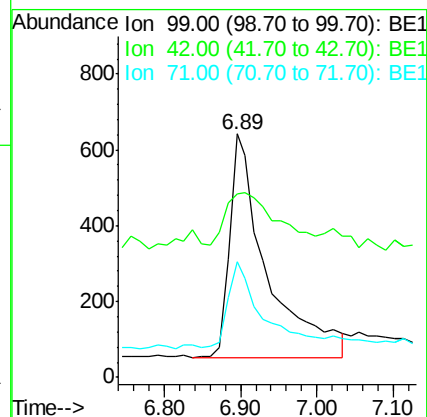
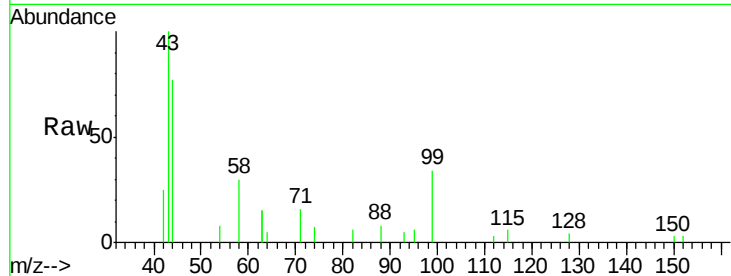
BNA_E

ClientSampleId :

PF-2

Tot Ion: 99 Resp: 2016

Ion	Ratio	Lower	Upper
99	100		
42	31.4	18.3	27.5#
71	35.3	28.0	42.0



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.50 min Scan# 641

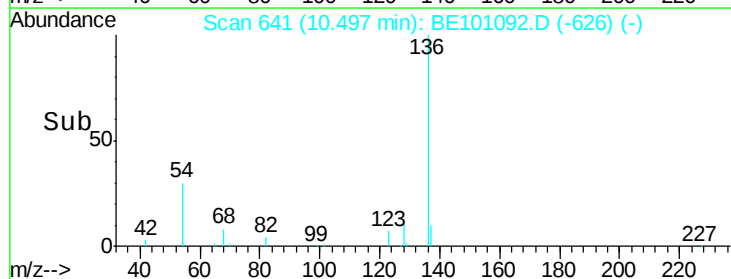
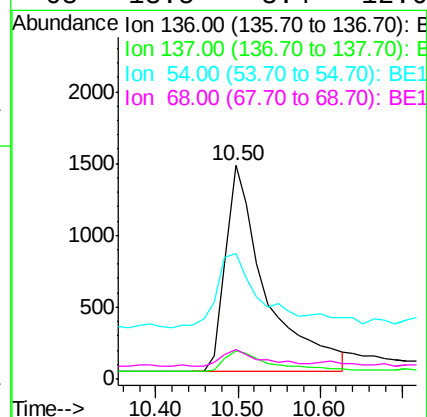
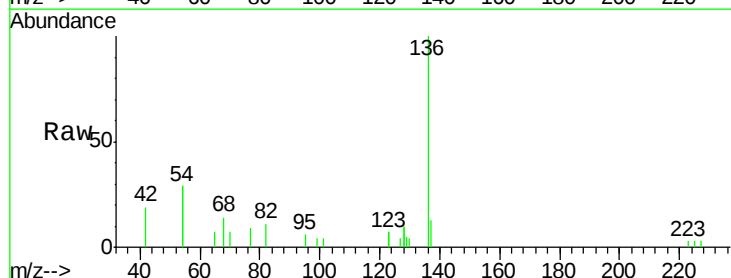
Delta R.T. -0.00 min

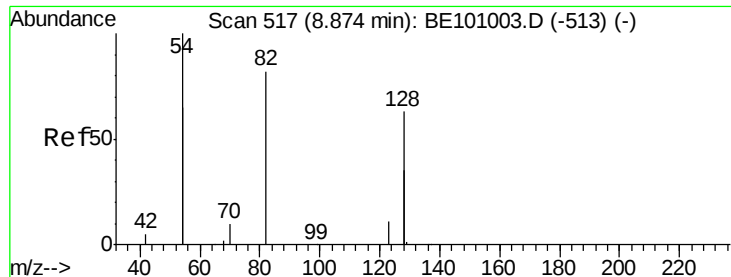
Lab File: BE101092.D

Acq: 17 Jan 2020 19:36

Tgt Ion: 136 Resp: 4919

Ion	Ratio	Lower	Upper
136	100		
137	13.4	9.3	13.9
54	58.5	36.8	55.2#
68	13.5	8.4	12.6#





#8

Nitrobenzene-d5

Concen: 0.373 ng

RT: 8.87 min Scan# 516

Delta R.T. -0.00 min

Lab File: BE101092.D

Acq: 17 Jan 2020 19:36

Instrument :

BNA_E

ClientSampled :

PF-2

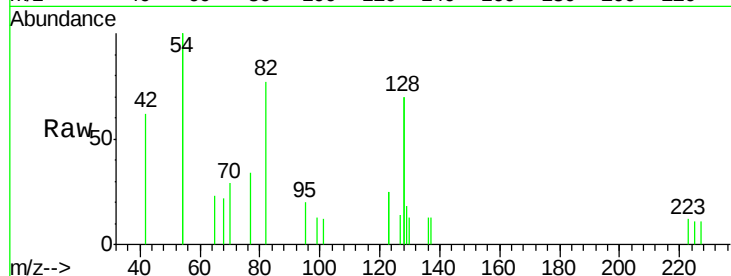
Tot Ion: 82 Resp: 1313

Ion Ratio Lower Upper

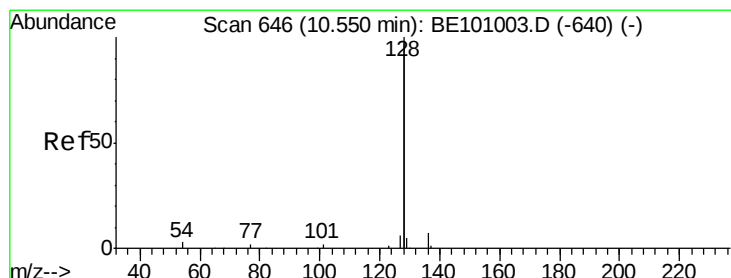
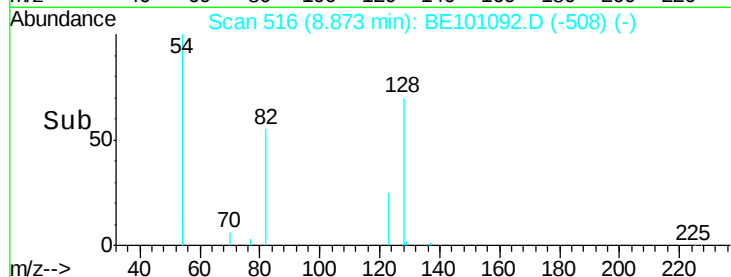
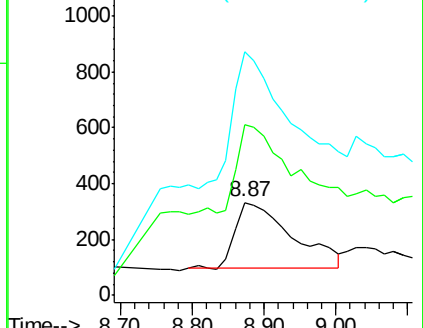
82 100

128 183.2 109.8 164.6#

54 261.1 174.5 261.7



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: 0.035 ng

RT: 10.55 min Scan# 645

Delta R.T. -0.00 min

Lab File: BE101092.D

Acq: 17 Jan 2020 19:36

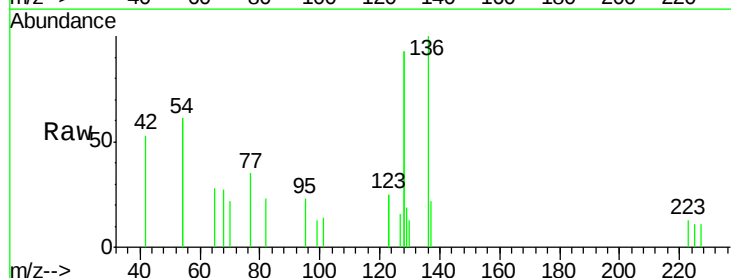
Tgt Ion: 128 Resp: 1885

Ion Ratio Lower Upper

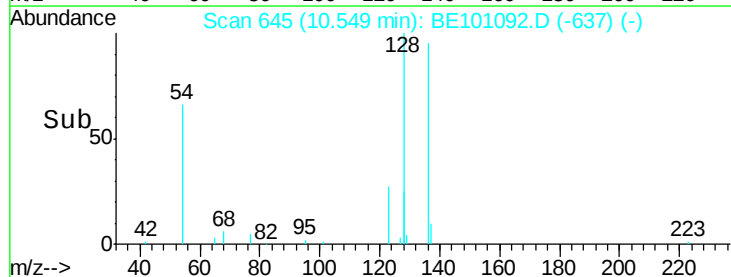
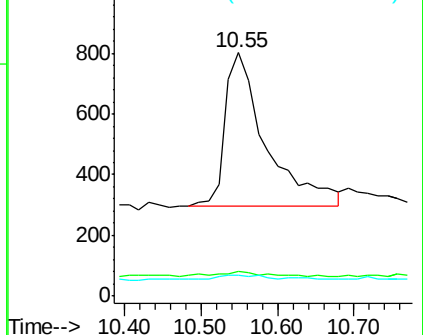
128 100

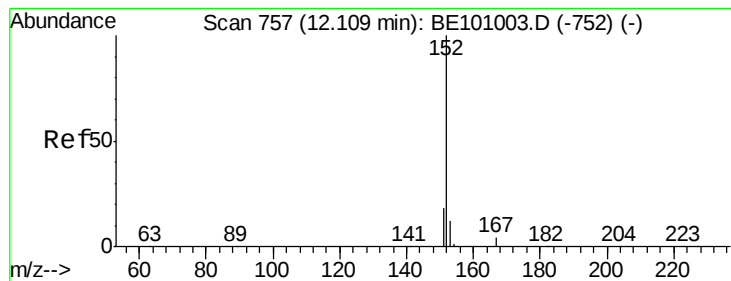
129 10.3 2.3 3.5#

127 8.9 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

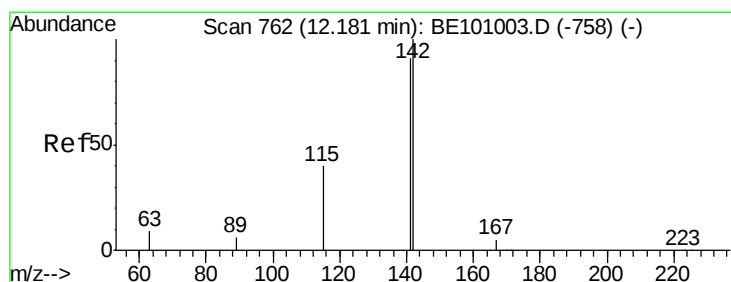
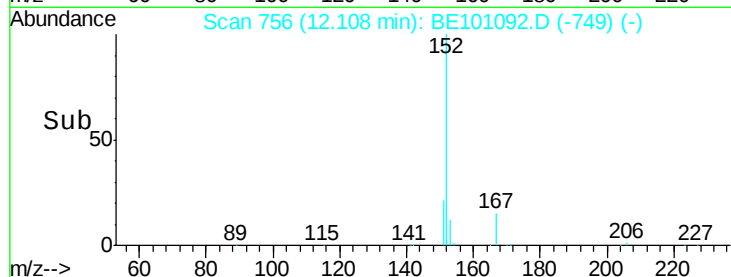
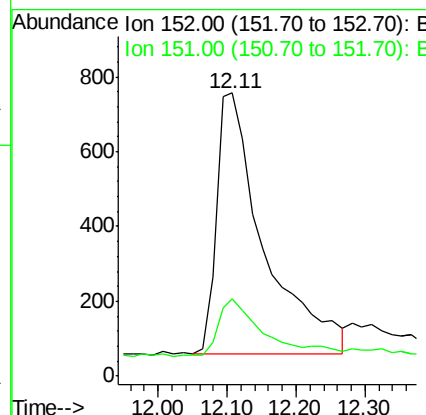
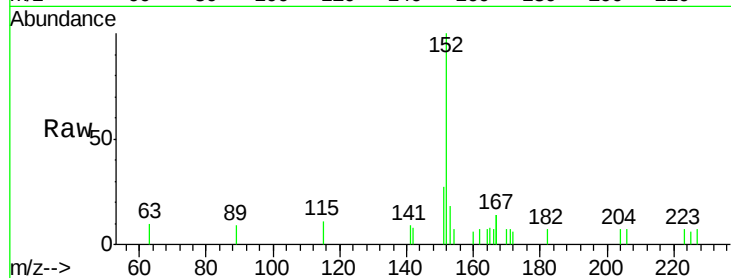




#11
 2-Methylnaphthalene-d10
 Concen: 0.355 ng
 RT: 12.11 min Scan# 756
 Delta R.T. -0.00 min
 Lab File: BE101092.D
 Acq: 17 Jan 2020 19:36

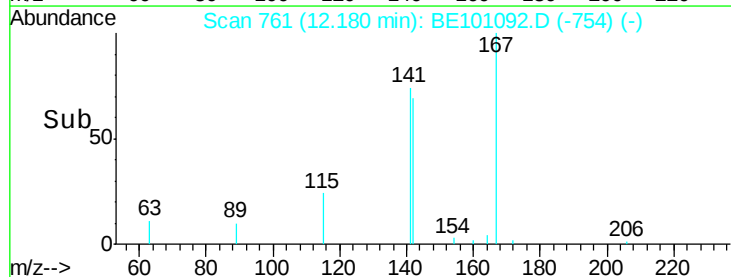
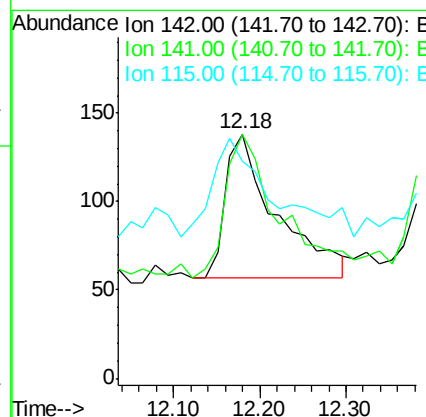
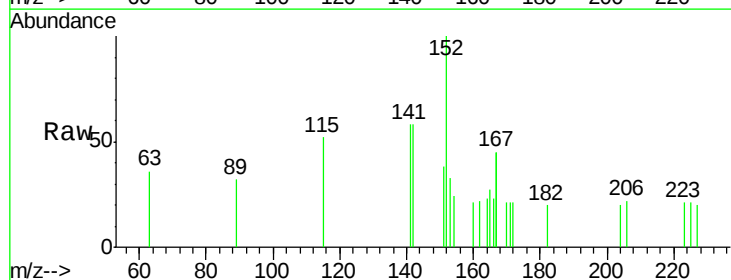
Instrument :
 BNA_E
 ClientSampleId :
 PF-2

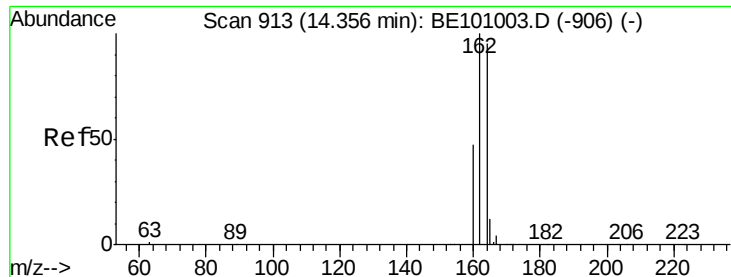
Tot Ion:152 Resp: 3331
 Ion Ratio Lower Upper
 152 100
 151 20.6 15.0 22.6



#12
 2-Methylnaphthalene
 Concen: 0.040 ng
 RT: 12.18 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: BE101092.D
 Acq: 17 Jan 2020 19:36

Tgt Ion:142 Resp: 331
 Ion Ratio Lower Upper
 142 100
 141 100.0 72.5 108.7
 115 89.1 33.0 49.6#





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.36 min Scan# 912

Delta R.T. -0.00 min

Lab File: BE101092.D

Acq: 17 Jan 2020 19:36

Instrument :

BNA_E

ClientSampleId :

PF-2

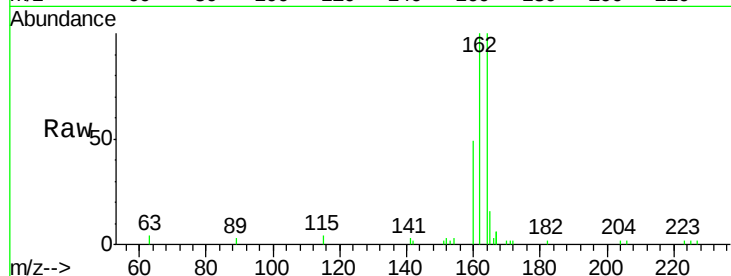
Tot Ion:164 Resp: 4318

Ion Ratio Lower Upper

164 100

162 99.6 84.1 126.1

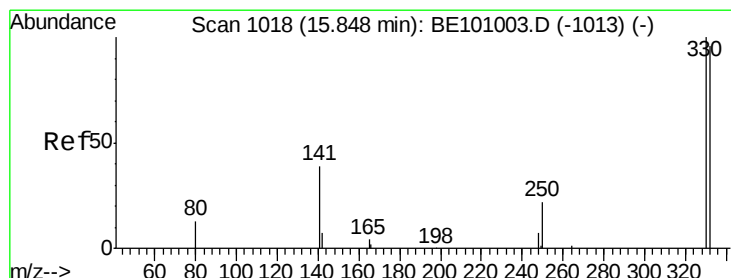
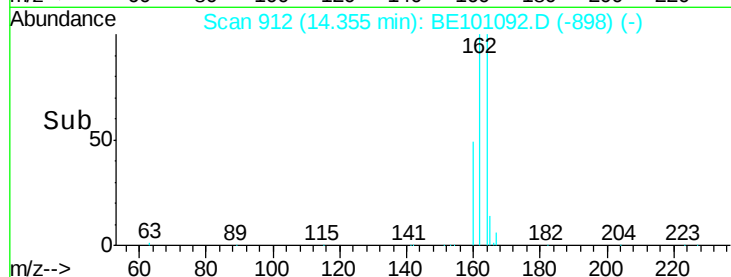
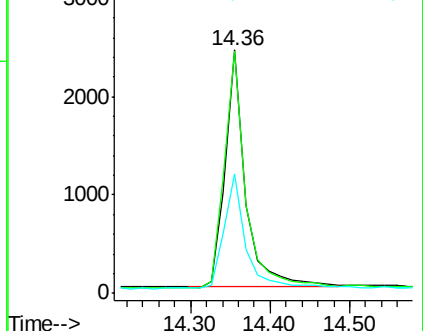
160 49.3 40.4 60.6



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: 0.389 ng

RT: 15.85 min Scan# 1017

Delta R.T. 0.00 min

Lab File: BE101092.D

Acq: 17 Jan 2020 19:36

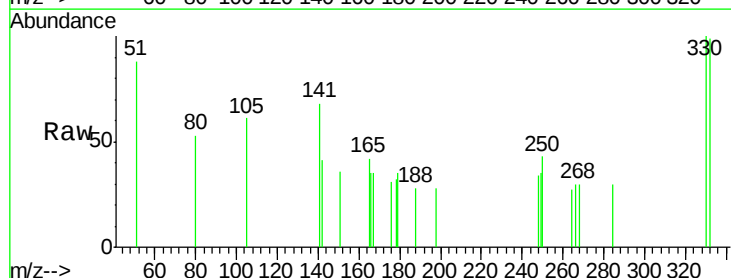
Tgt Ion:330 Resp: 474

Ion Ratio Lower Upper

330 100

332 99.2 78.4 117.6

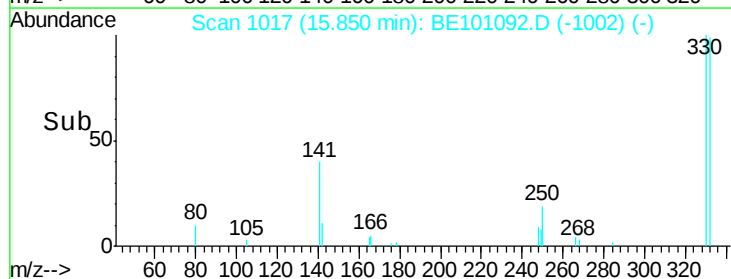
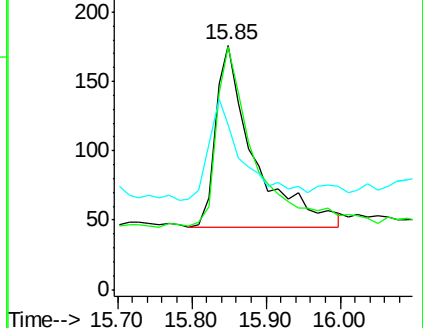
141 51.1 37.0 55.4

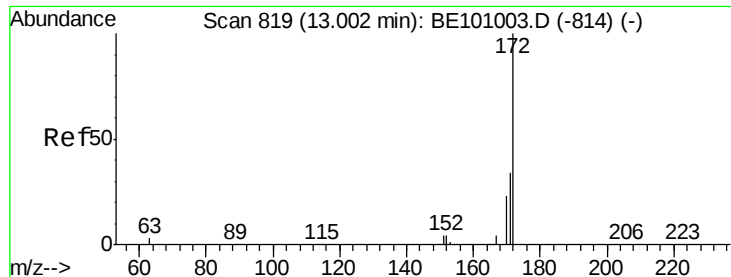


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

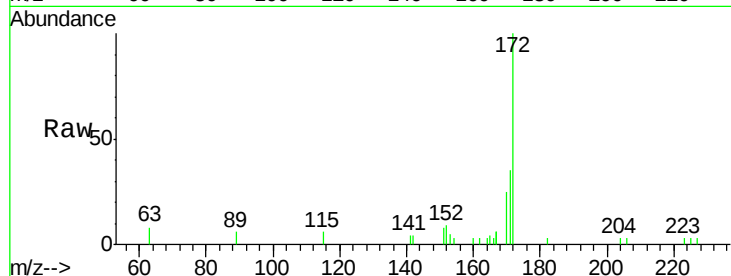




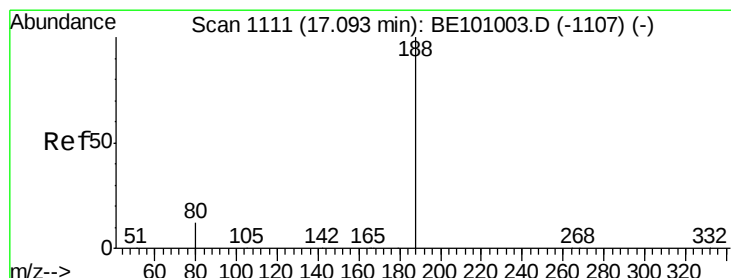
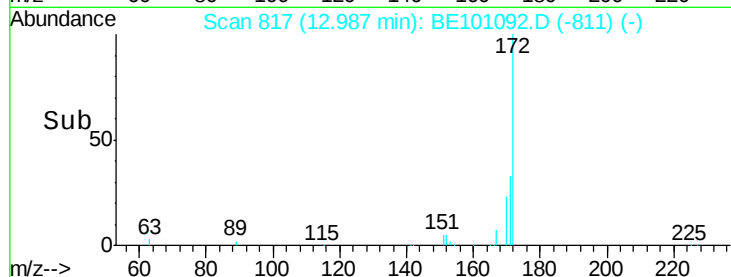
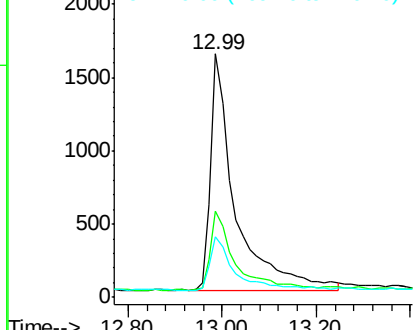
#15
2-Fluorobiphenyl
Concen: 0.359 ng
RT: 12.99 min Scan# 817
Delta R.T. -0.02 min
Lab File: BE101092.D
Acq: 17 Jan 2020 19:36

Instrument :
BNA_E
ClientSampleId :
PF-2

Tot Ion:172 Resp: 5883
Ion Ratio Lower Upper
172 100
171 35.5 28.2 42.2
170 25.0 18.9 28.3

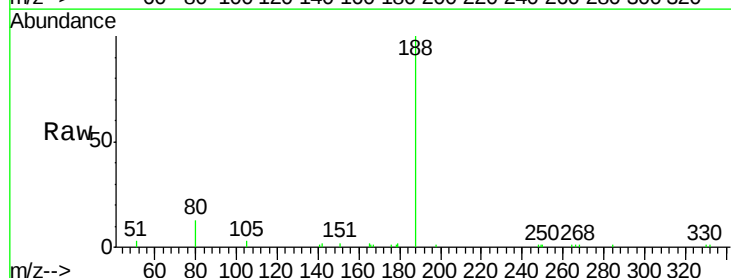


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

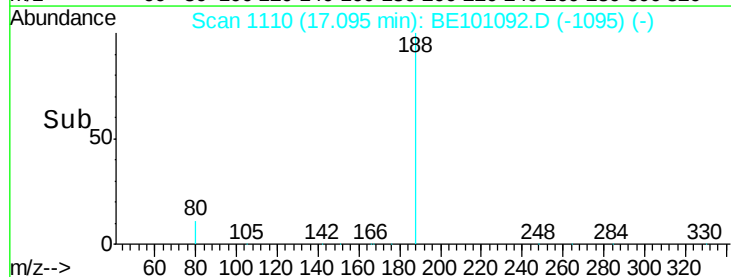
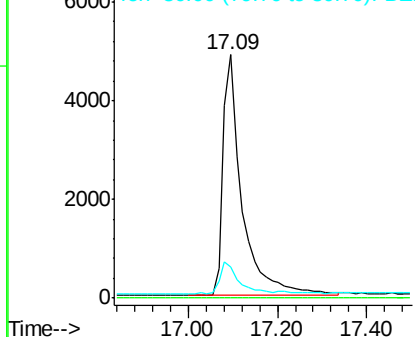


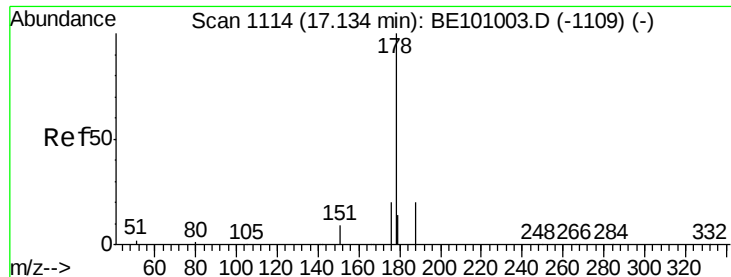
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.09 min Scan# 1110
Delta R.T. 0.00 min
Lab File: BE101092.D
Acq: 17 Jan 2020 19:36

Tgt Ion:188 Resp: 14556
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.9 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





#23

Phenanthrene

Concen: 0.027 ng

RT: 17.13 min Scan# 1113

Delta R.T. 0.00 min

Lab File: BE101092.D

Acq: 17 Jan 2020 19:36

Instrument :

BNA_E

ClientSampleId :

PF-2

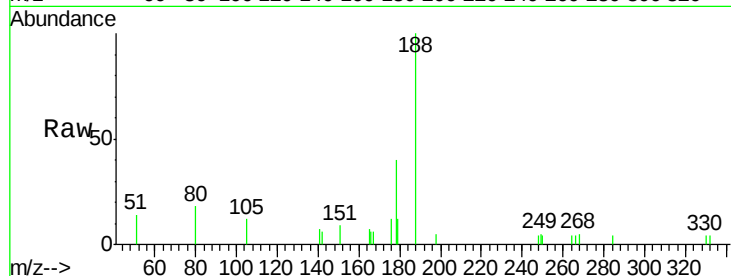
Tot Ion:178 Resp: 1062

Ion Ratio Lower Upper

178 100

176 24.4 15.7 23.5#

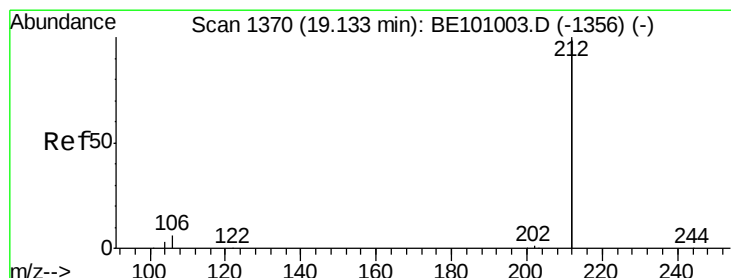
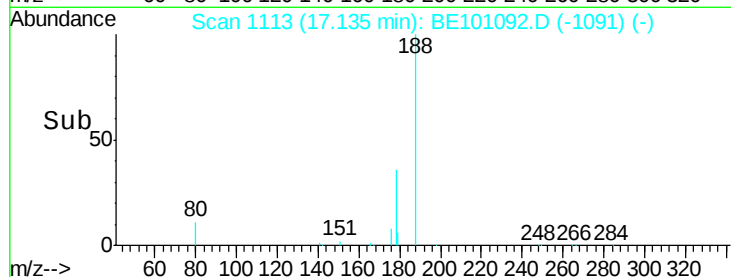
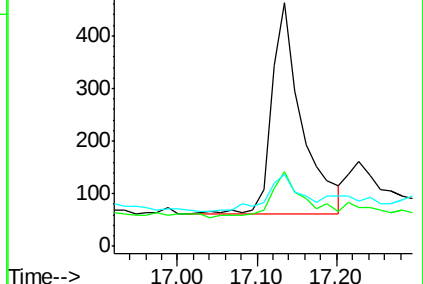
179 19.5 12.0 18.0#



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: 0.514 ng

RT: 19.12 min Scan# 1366

Delta R.T. -0.02 min

Lab File: BE101092.D

Acq: 17 Jan 2020 19:36

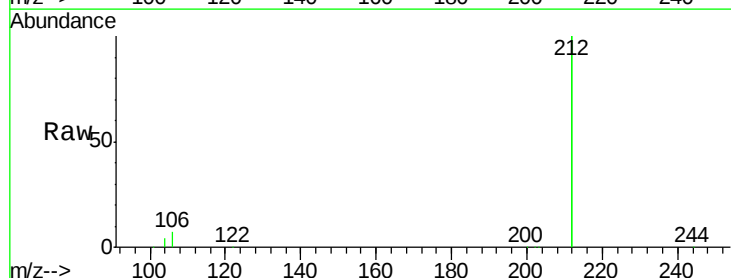
Tgt Ion:212 Resp: 103845

Ion Ratio Lower Upper

212 100

106 3.4 2.6 3.8

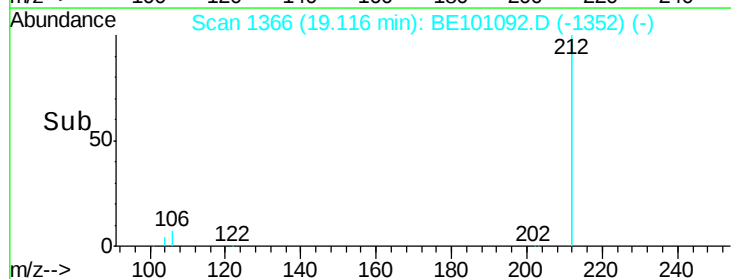
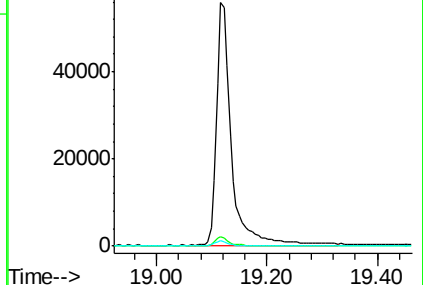
104 2.0 1.4 2.0

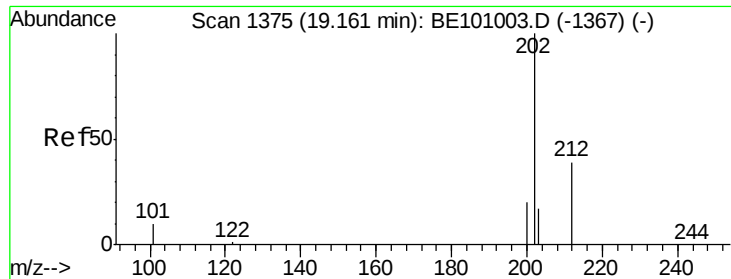


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

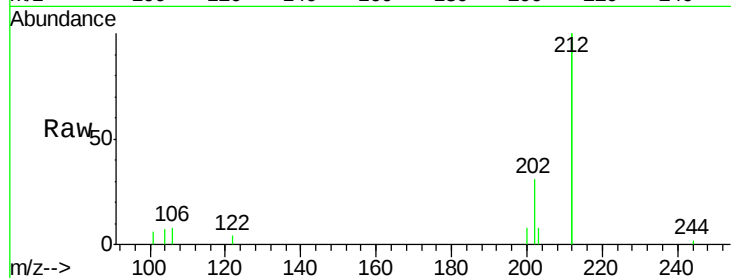




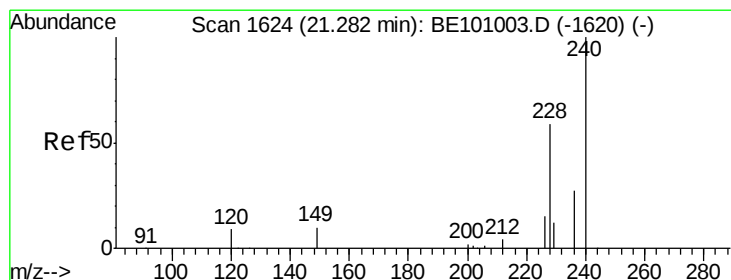
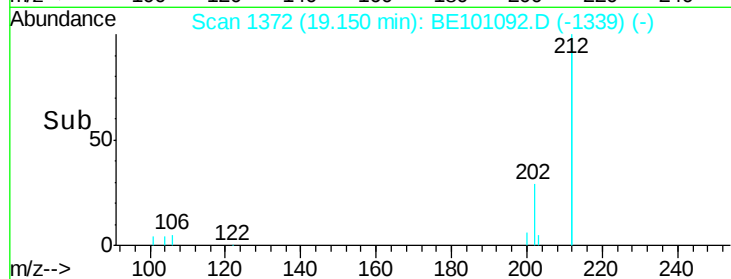
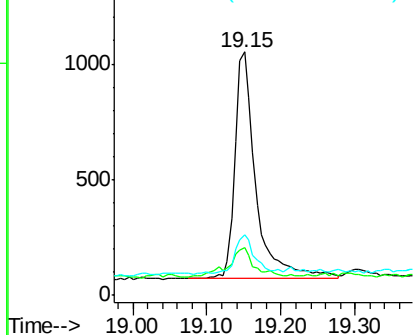
#26
 Fluoranthene
 Concen: 0.039 ng
 RT: 19.15 min Scan# 1372
 Delta R.T. -0.01 min
 Lab File: BE101092.D
 Acq: 17 Jan 2020 19:36

Instrument :
 BNA_E
 ClientSampleId :
 PF-2

Tot Ion:202 Resp: 1952
 Ion Ratio Lower Upper
 202 100
 101 15.2 9.6 14.4#
 203 15.9 13.8 20.6

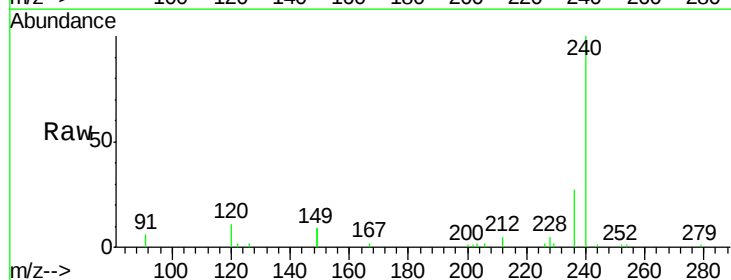


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

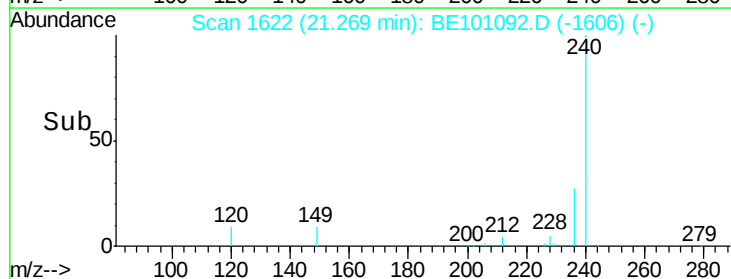
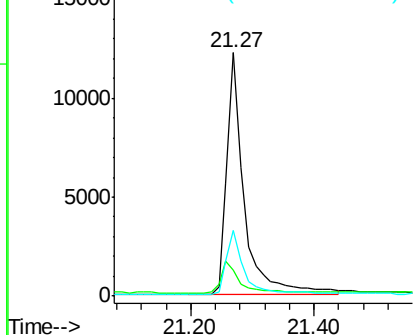


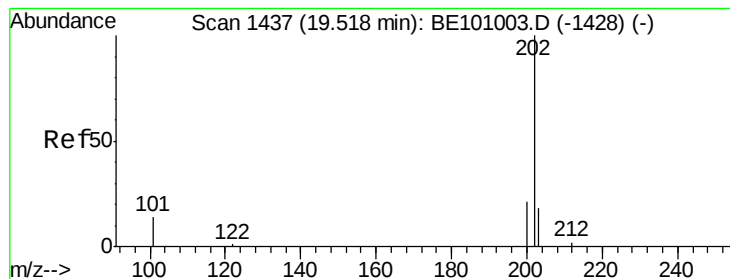
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.27 min Scan# 1622
 Delta R.T. -0.01 min
 Lab File: BE101092.D
 Acq: 17 Jan 2020 19:36

Tgt Ion:240 Resp: 24140
 Ion Ratio Lower Upper
 240 100
 120 10.6 8.6 13.0
 236 27.1 22.2 33.4



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





#28

Pvrene

Concen: 0.029 ng

RT: 19.51 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BE101092.D

Acq: 17 Jan 2020 19:36

Instrument :

BNA_E

ClientSampleId :

PF-2

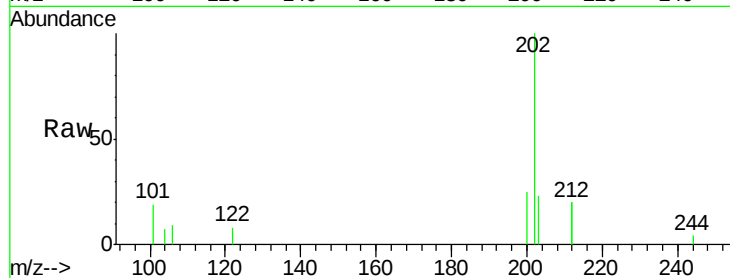
Tot Ion:202 Resp: 2588

Ion Ratio Lower Upper

202 100

200 22.4 17.0 25.4

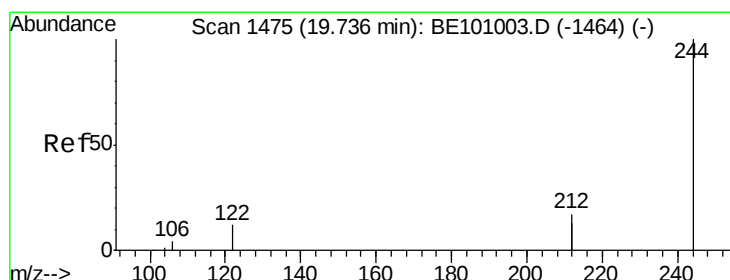
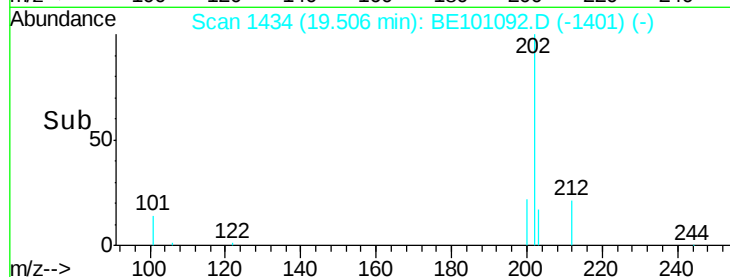
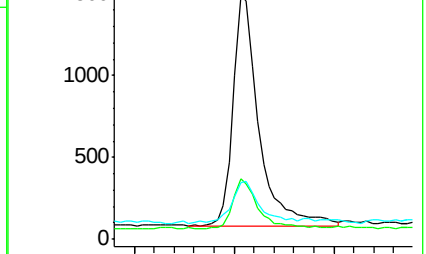
203 19.0 13.8 20.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#29

Terphenyl-d14

Concen: 0.357 ng

RT: 19.72 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BE101092.D

Acq: 17 Jan 2020 19:36

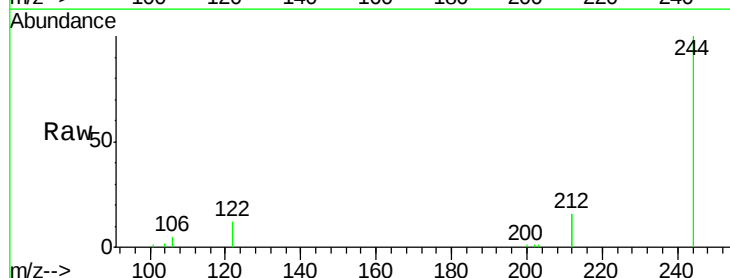
Tgt Ion:244 Resp: 21182

Ion Ratio Lower Upper

244 100

212 32.1 27.2 40.8

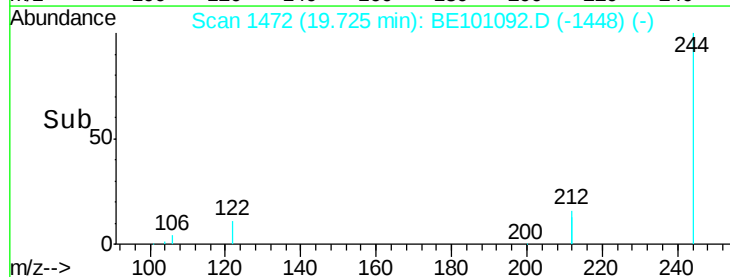
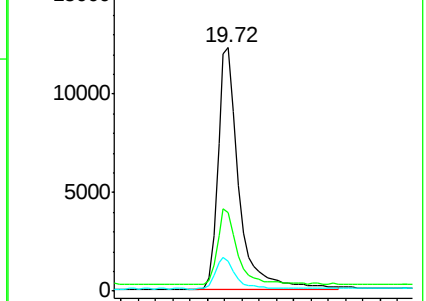
122 12.1 9.8 14.8

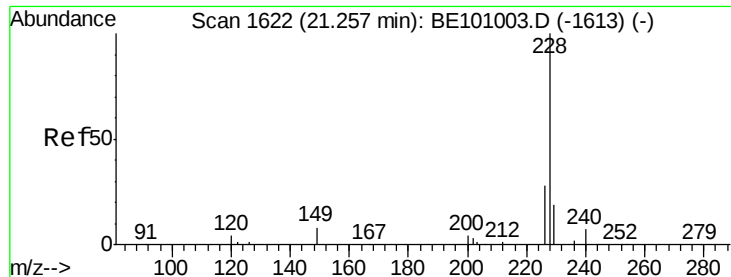


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.031 ng

RT: 21.26 min Scan# 1621

Delta R.T. -0.00 min

Lab File: BE101092.D

Acq: 17 Jan 2020 19:36

Instrument :

BNA_E

ClientSampleId :

PF-2

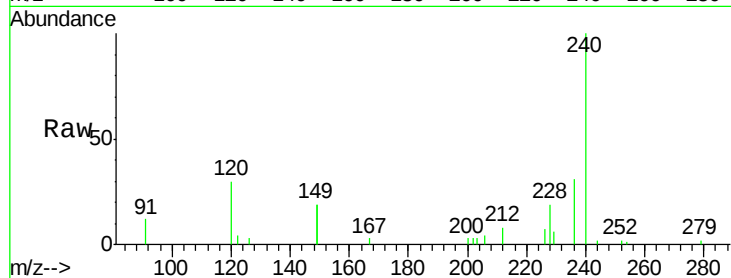
Tot Ion:228 Resp: 2164

Ion Ratio Lower Upper

228 100

226 34.9 22.7 34.1#

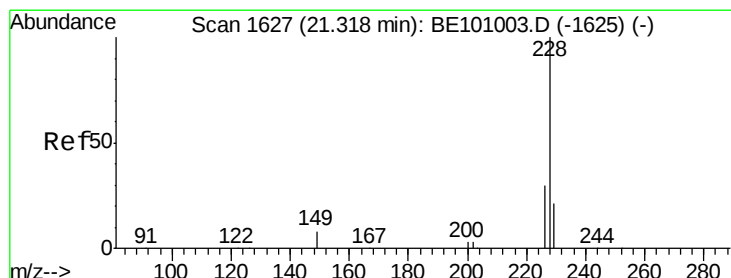
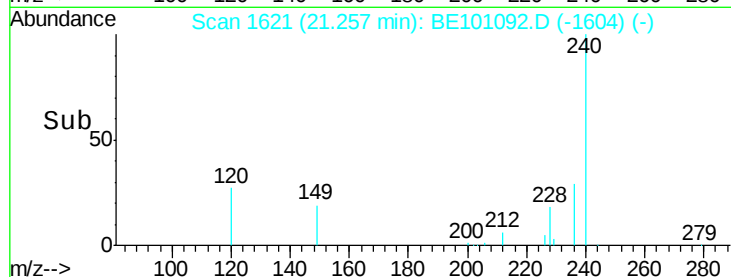
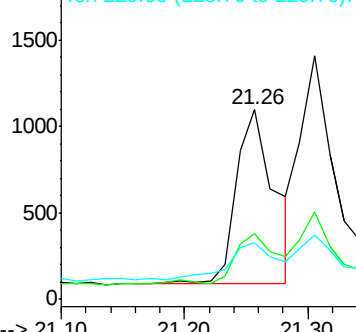
229 30.0 15.5 23.3#



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: 0.024 ng

RT: 21.31 min Scan# 1625

Delta R.T. -0.01 min

Lab File: BE101092.D

Acq: 17 Jan 2020 19:36

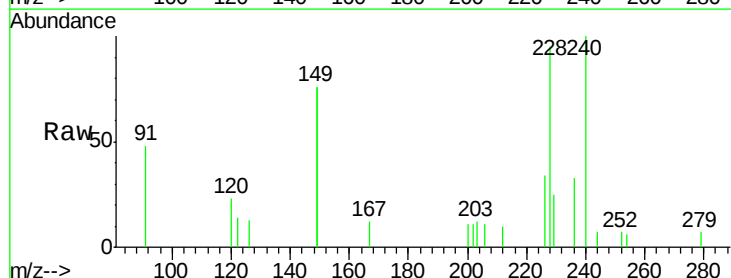
Tgt Ion:228 Resp: 2499

Ion Ratio Lower Upper

228 100

226 36.1 23.5 35.3#

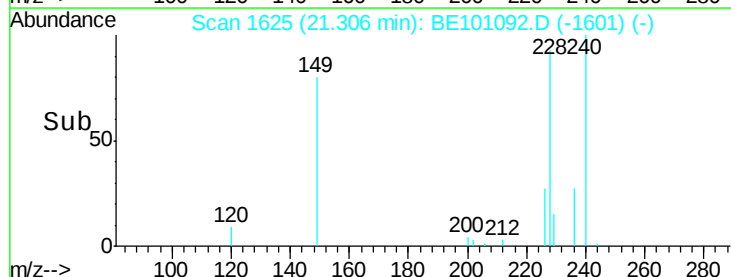
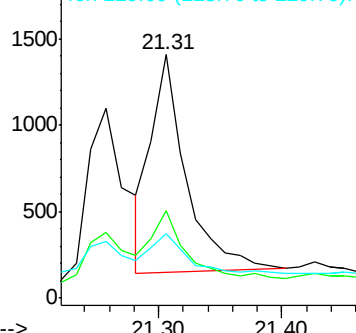
229 26.2 16.7 25.1#

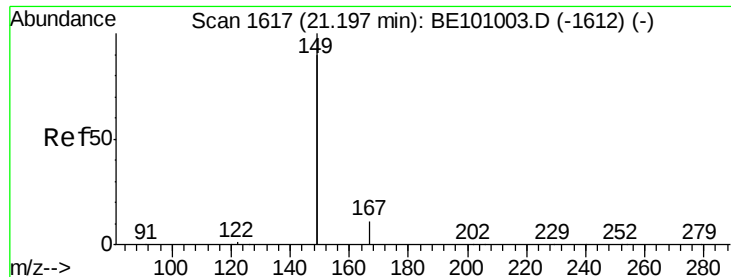


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.109 ng

RT: 21.18 min Scan# 1615

Delta R.T. -0.01 min

Lab File: BE101092.D

Acq: 17 Jan 2020 19:36

Instrument :

BNA_E

ClientSampleId :

PF-2

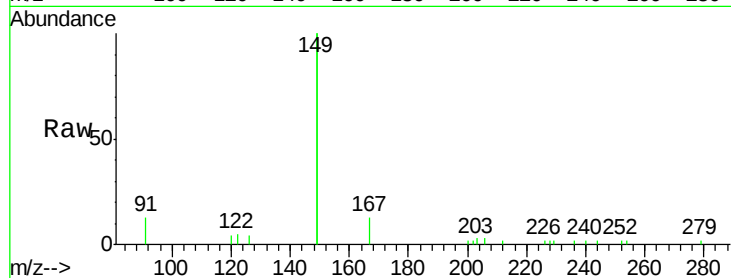
Tot Ion:149 Resp: 12561

Ion Ratio Lower Upper

149 100

167 6.8 5.2 7.8

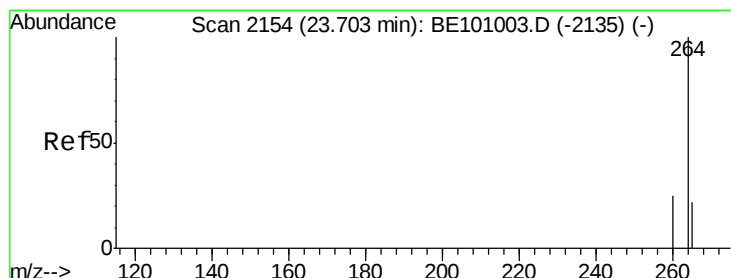
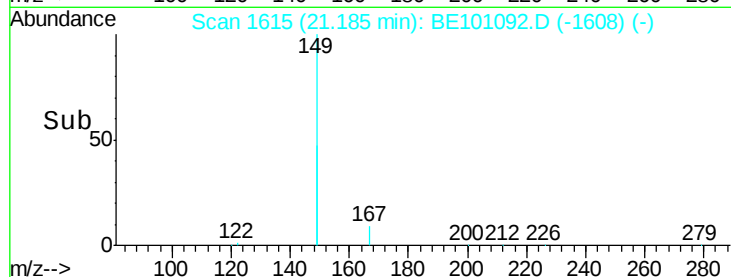
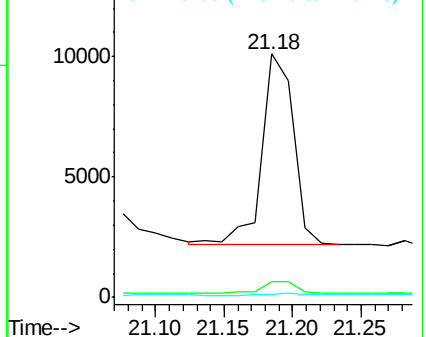
279 1.1 0.8 1.2



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: 23.68 min Scan# 2148

Delta R.T. -0.02 min

Lab File: BE101092.D

Acq: 17 Jan 2020 19:36

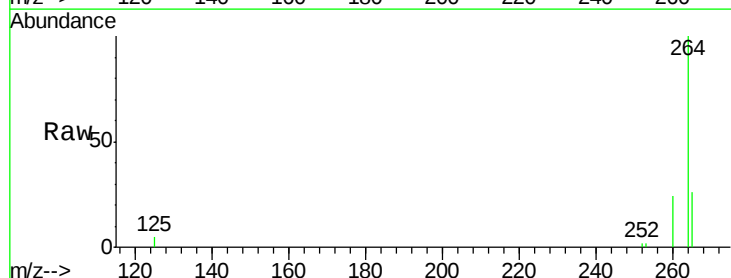
Tgt Ion:264 Resp: 23183

Ion Ratio Lower Upper

264 100

260 24.1 20.3 30.5

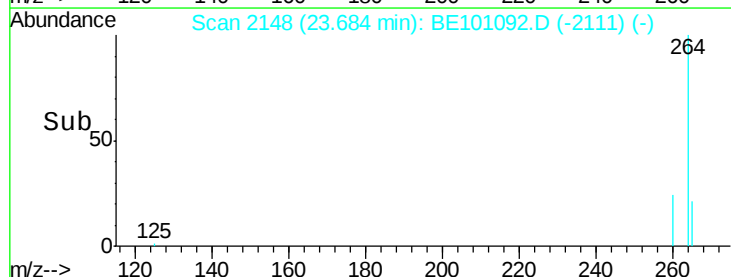
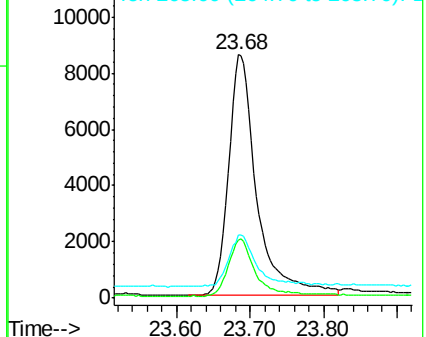
265 25.9 27.0 40.4#

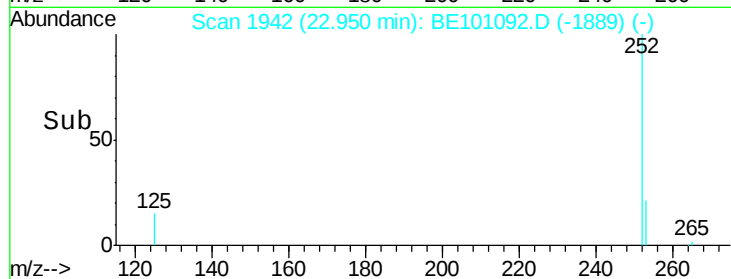
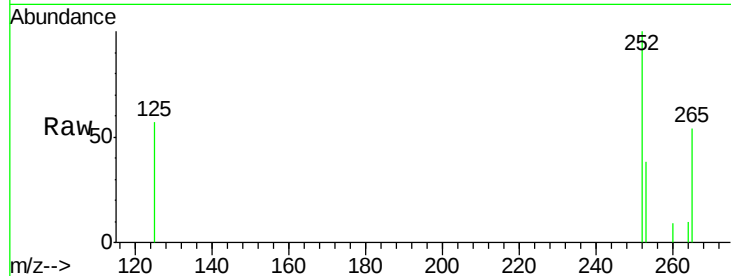
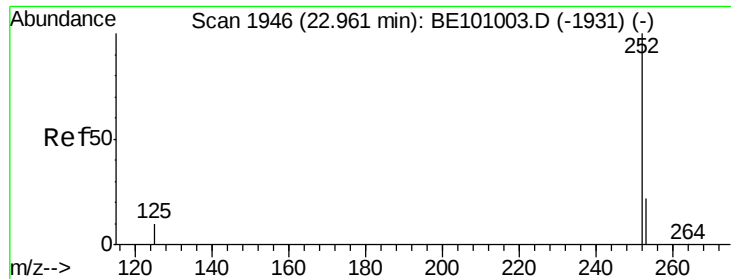


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.027 ng

RT: 22.95 min Scan# 1942

Delta R.T. -0.01 min

Lab File: BE101092.D

Acq: 17 Jan 2020 19:36

Instrument :

BNA_E

ClientSampleId :

PF-2

Tot Ion: 252 Resp: 1785

Ion Ratio Lower Upper

252 100

253 38.4 18.5 27.7#

125 56.8 9.5 14.3#

