

Data File : BE101089.D
Acq On : 17 Jan 2020 17:45
Operator : JU
Sample : L1167-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PF-1

Quant Time: Jan 17 23:20:48 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	7.73	152	1106	0.40	ng	0.00
7) Naphthalene-d8	10.50	136	4551	0.40	ng	0.00
13) Acenaphthene-d10	14.36	164	3956	0.40	ng	0.00
19) Phenanthrene-d10	17.09	188	12901	0.40	ng	0.00
27) Chrysene-d12	21.27	240	23567	0.40	ng	-0.01
34) Perylene-d12	23.68	264	23566	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.33	112	1452	0.58	ng	0.00
5) Phenol-d6	6.90	99	1861	0.59	ng	-0.02
8) Nitrobenzene-d5	8.87	82	1276	0.39	ng	0.00
11) 2-Methylnaphthalene-d10	12.11	152	3385	0.39	ng	0.00
14) 2,4,6-Tribromophenol	15.85	330	431	0.39	ng	0.00
15) 2-Fluorobiphenyl	12.99	172	5749	0.38	ng	-0.02
25) Fluoranthene-d10	19.12	212	108521	0.61	ng	-0.01
29) Terphenyl-d14	19.72	244	23844	0.41	ng	-0.01

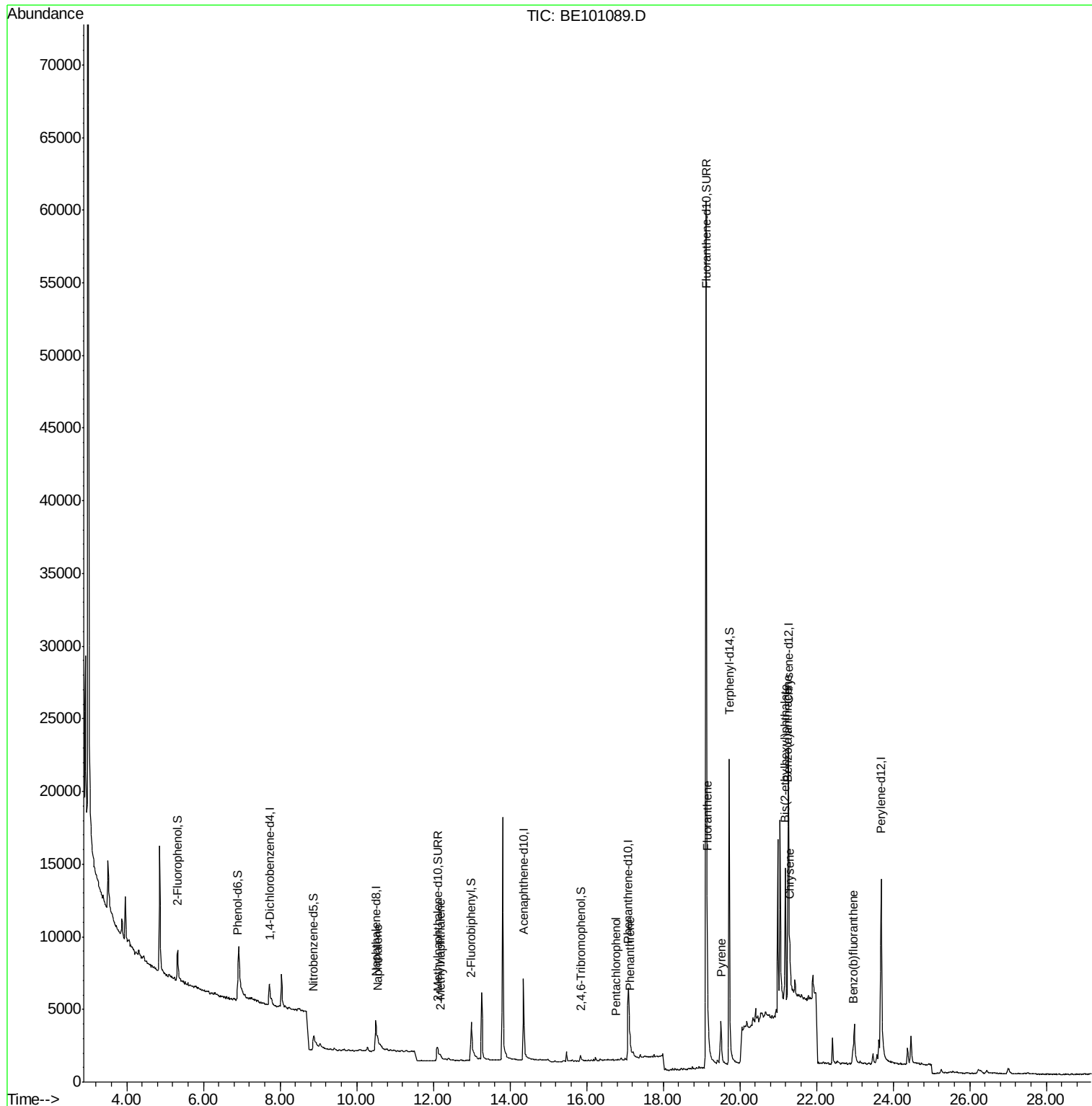
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Naphthalene	10.55	128	1741	0.034	ng	# 80
12) 2-Methylnaphthalene	12.18	142	373	0.049	ng	# 84
22) Pentachlorophenol	16.77	266	3	0.251	ng	# 68
23) Phenanthrene	17.13	178	999	0.028	ng	# 90
26) Fluoranthene	19.15	202	2756	0.062	ng	100
28) Pyrene	19.51	202	3493	0.040	ng	97
30) Benzo(a)anthracene	21.26	228	2501	0.037	ng	# 84
31) Chrysene	21.31	228	3086	0.031	ng	# 90
32) Bis(2-ethylhexyl)phthalate	21.19	149	14173	0.126	ng	99
35) Benzo(b)fluoranthene	22.95	252	1710	0.026	ng	# 39

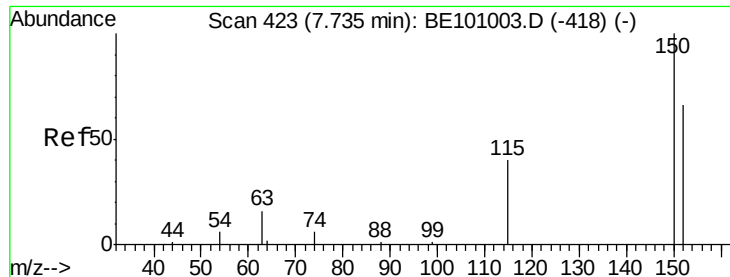
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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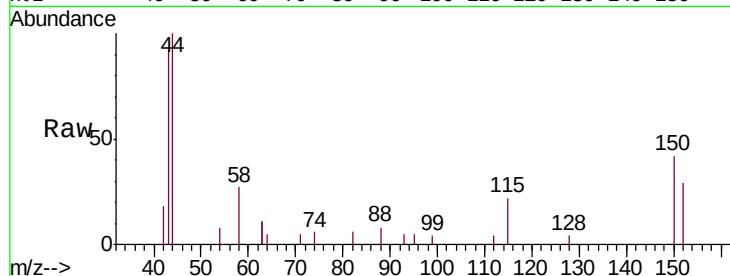


#1

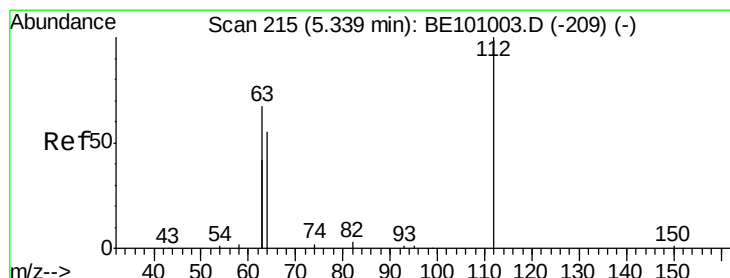
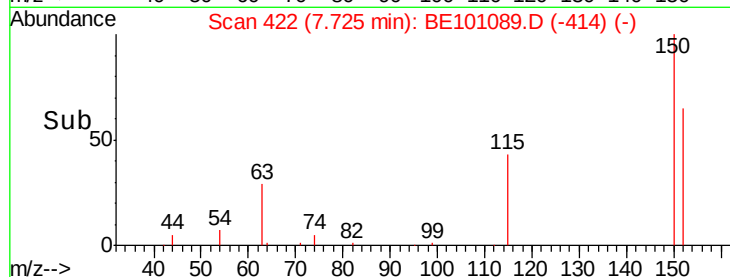
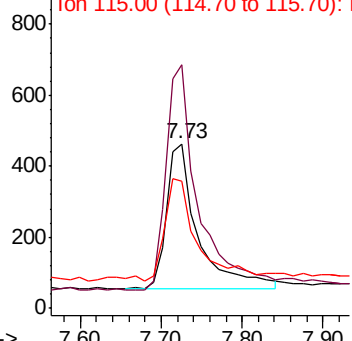
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.73 min Scan# 422
Delta R.T. -0.01 min
Lab File: BE101089.D
Acq: 17 Jan 2020 17:45

Instrument :
BNA_E
ClientSampleId :
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Tgt Ion:152 Resp: 1106
Ion Ratio Lower Upper
152 100
150 147.8 120.3 180.5
115 77.4 51.7 77.5



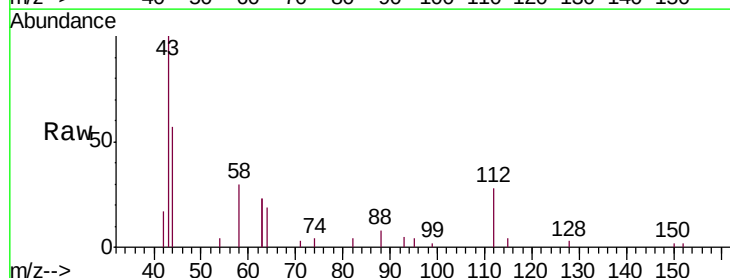
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



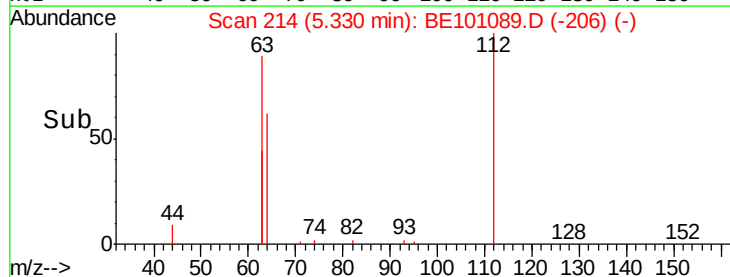
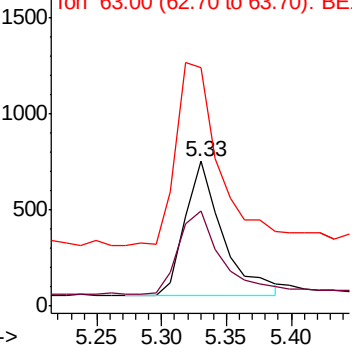
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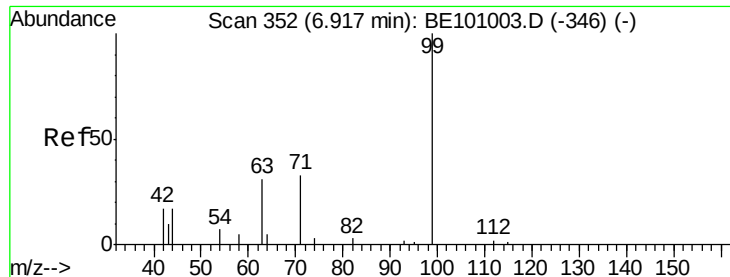
2-Fluorophenol
Concen: 0.583 ng
RT: 5.33 min Scan# 214
Delta R.T. -0.01 min
Lab File: BE101089.D
Acq: 17 Jan 2020 17:45

Tgt Ion:112 Resp: 1452
Ion Ratio Lower Upper
112 100
64 68.2 53.6 80.4
63 151.8 114.6 172.0



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: 0.591 ng

RT: 6.90 min Scan# 350

Delta R.T. -0.02 min

Lab File: BE101089.D

Acq: 17 Jan 2020 17:45

Instrument :

BNA_E

ClientSampleId :

PF-1

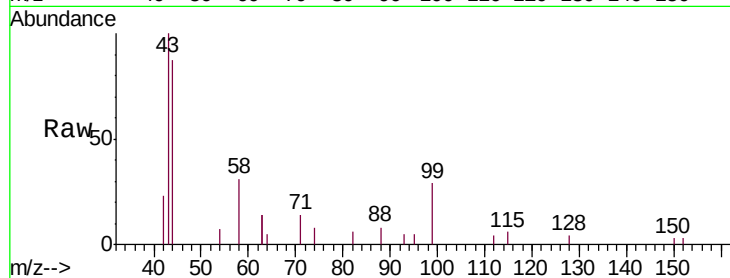
Tgt Ion: 99 Resp: 1861

Ion Ratio Lower Upper

99 100

42 0.0 18.3 27.5#

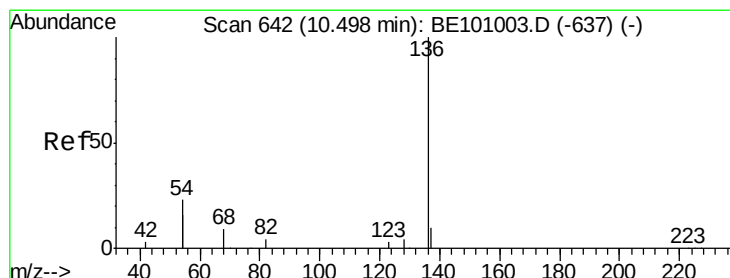
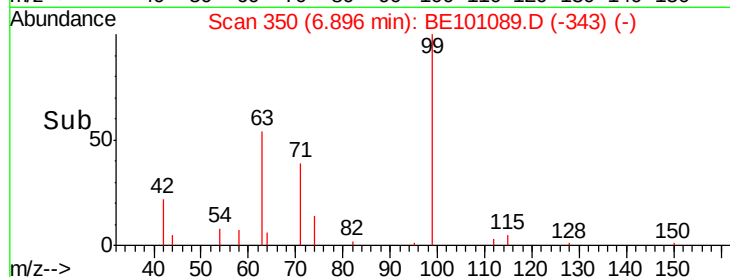
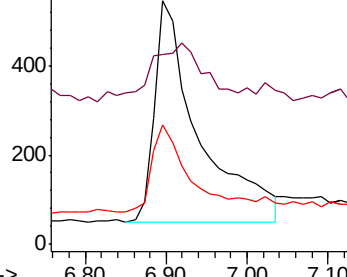
71 37.2 28.0 42.0



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: BE101089.D

Acq: 17 Jan 2020 17:45

Tgt Ion: 136 Resp: 4551

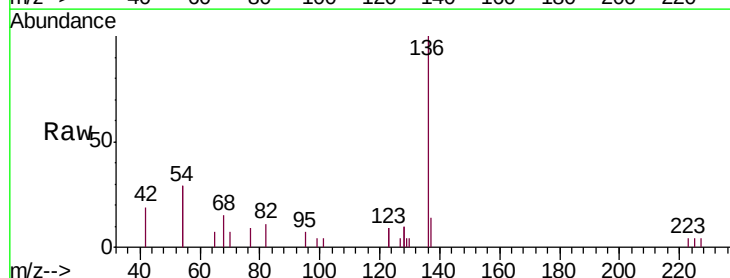
Ion Ratio Lower Upper

136 100

137 14.4 9.3 13.9#

54 58.8 36.8 55.2#

68 14.7 8.4 12.6#

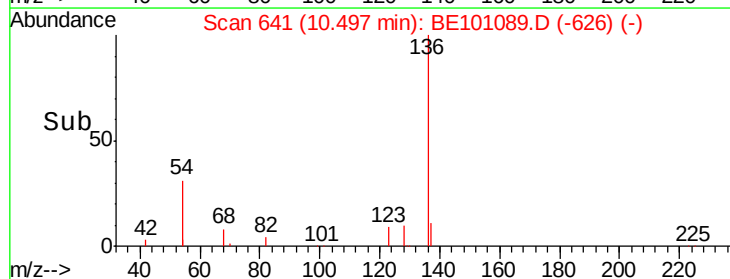
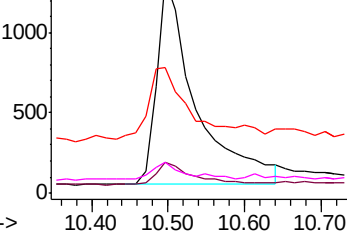


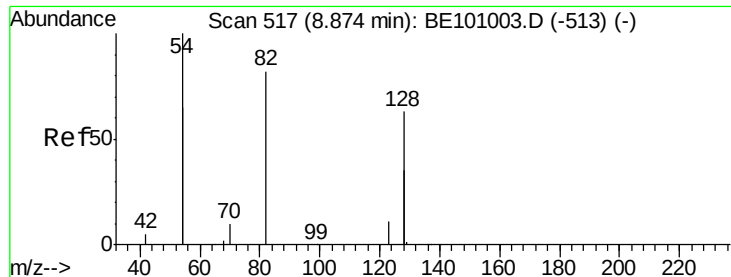
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.392 ng

RT: 8.87 min Scan# 516

Delta R.T. -0.00 min

Lab File: BE101089.D

Acq: 17 Jan 2020 17:45

Instrument :

BNA_E

ClientSampleId :

PF-1

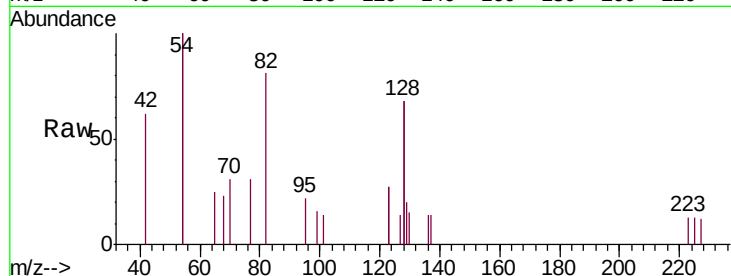
Tgt Ion: 82 Resp: 1276

Ion Ratio Lower Upper

82 100

128 169.0 109.8 164.6#

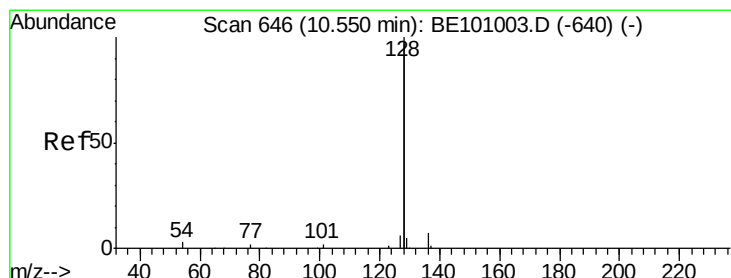
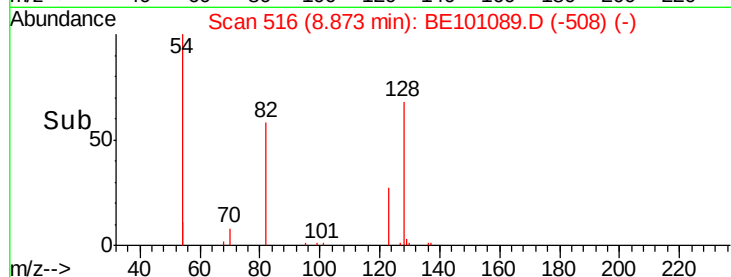
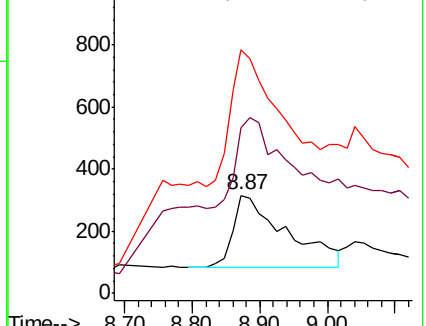
54 248.1 174.5 261.7



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: 0.034 ng

RT: 10.55 min Scan# 645

Delta R.T. -0.00 min

Lab File: BE101089.D

Acq: 17 Jan 2020 17:45

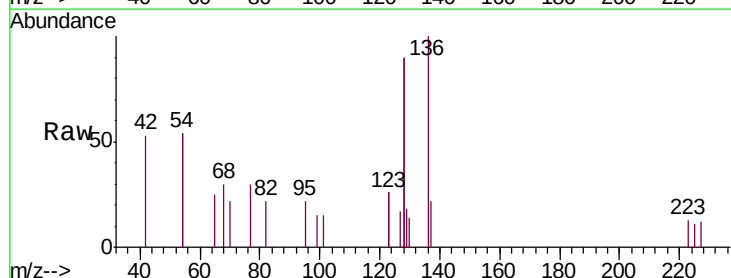
Tgt Ion: 128 Resp: 1741

Ion Ratio Lower Upper

128 100

129 10.0 2.3 3.5#

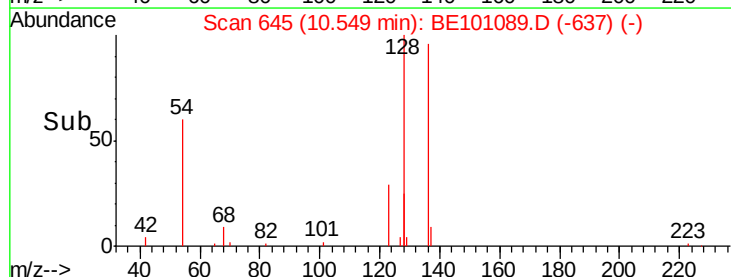
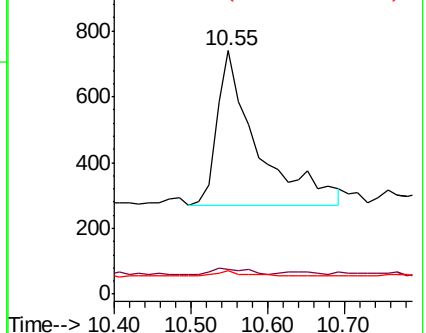
127 9.5 2.7 4.1#

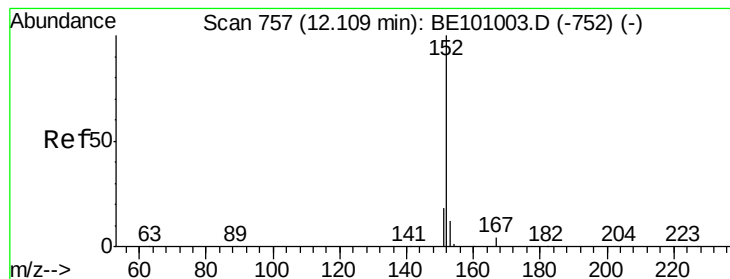


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

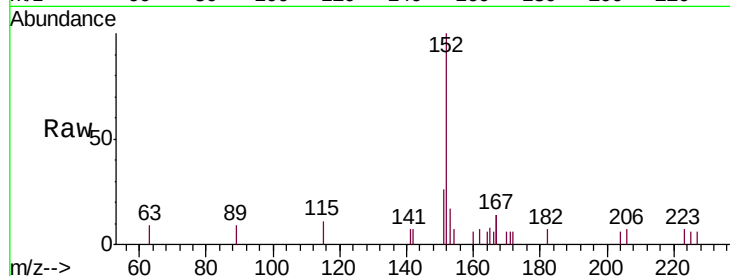




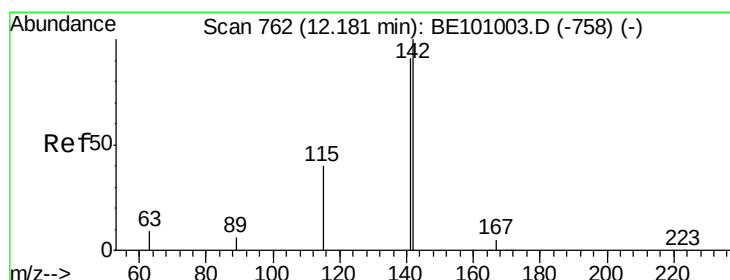
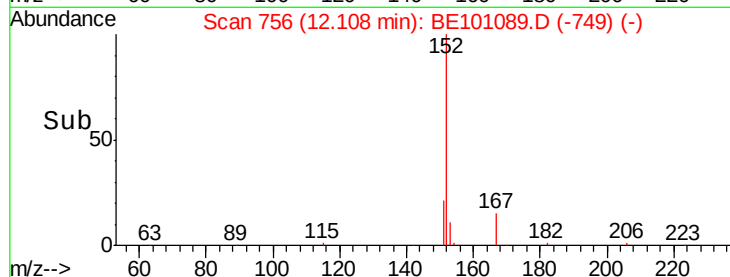
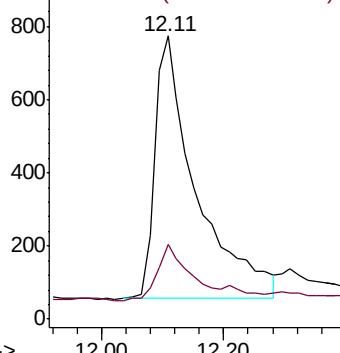
#11
 2-Methylnaphthalene-d10
 Concen: 0.390 ng
 RT: 12.11 min Scan# 756
 Delta R.T. -0.00 min
 Lab File: BE101089.D
 Acq: 17 Jan 2020 17:45

Instrument :
 BNA_E
 ClientSampleId :
 PF-1

Tgt Ion:152 Resp: 3385
 Ion Ratio Lower Upper
 152 100
 151 17.1 15.0 22.6

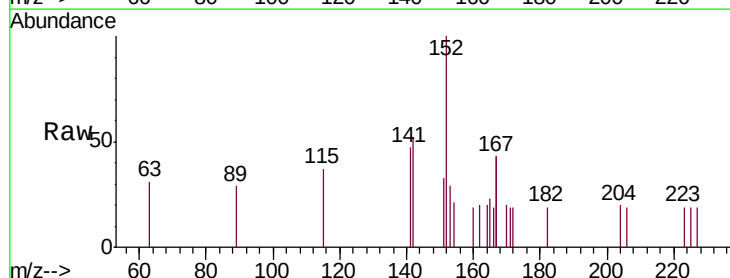


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E

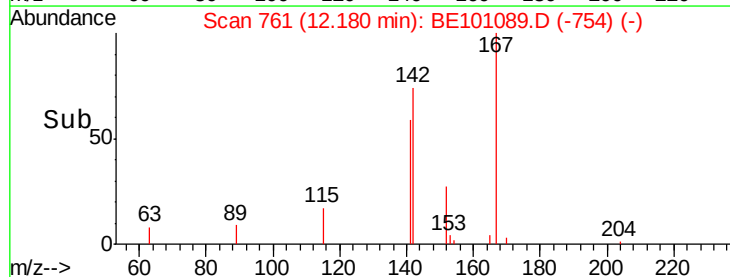
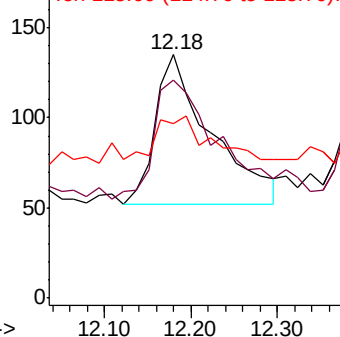


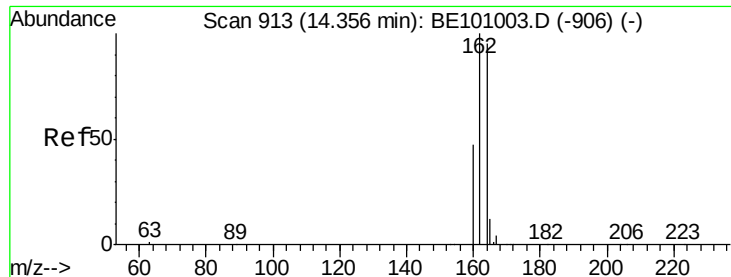
#12
 2-Methylnaphthalene
 Concen: 0.049 ng
 RT: 12.18 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: BE101089.D
 Acq: 17 Jan 2020 17:45

Tgt Ion:142 Resp: 373
 Ion Ratio Lower Upper
 142 100
 141 89.6 72.5 108.7
 115 71.9 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

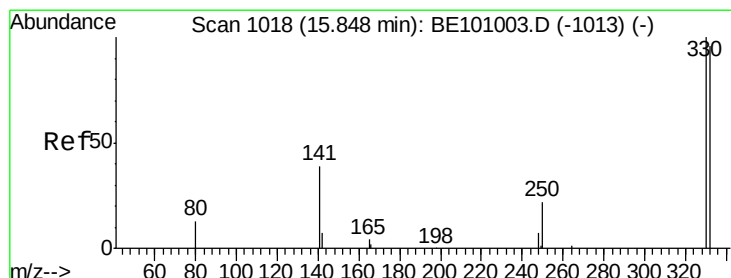
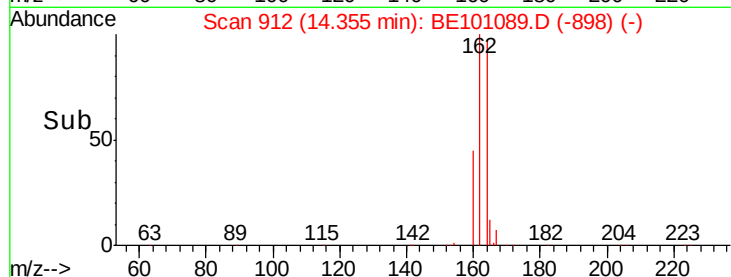
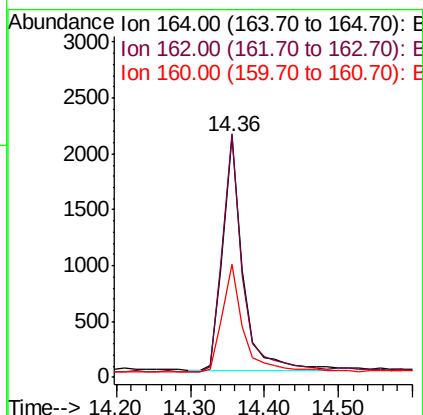
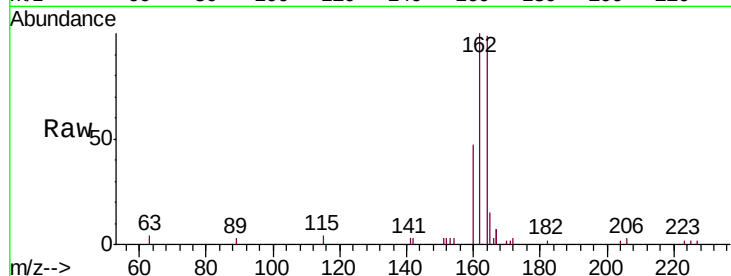




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.36 min Scan# 912
 Delta R.T. -0.00 min
 Lab File: BE101089.D
 Acq: 17 Jan 2020 17:45

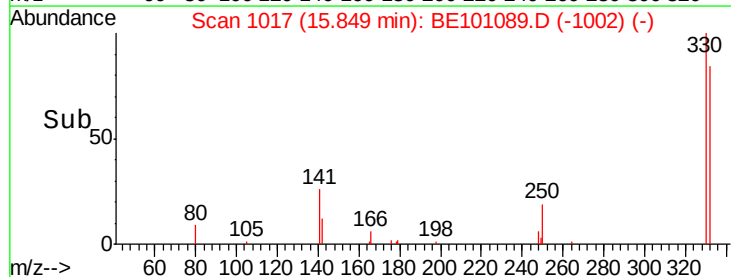
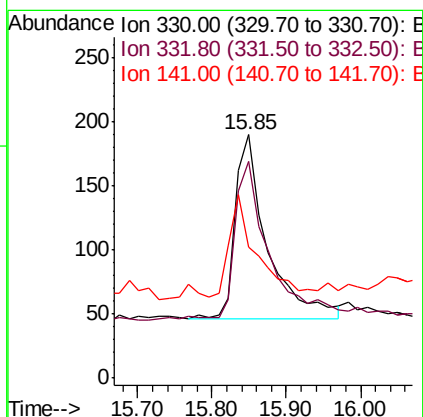
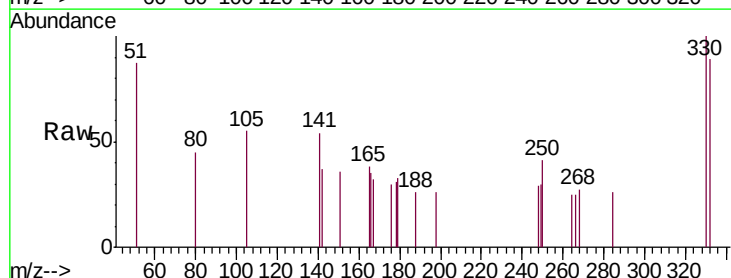
Instrument :
 BNA_E
 ClientSampleId :
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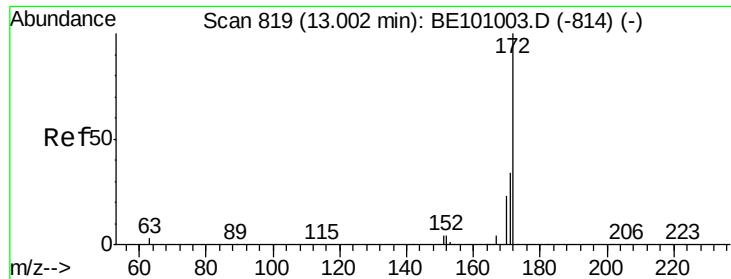
Tgt Ion:164 Resp: 3956
 Ion Ratio Lower Upper
 164 100
 162 101.0 84.1 126.1
 160 47.1 40.4 60.6



#14
 2,4,6-Tribromophenol
 Concen: 0.386 ng
 RT: 15.85 min Scan# 1017
 Delta R.T. 0.00 min
 Lab File: BE101089.D
 Acq: 17 Jan 2020 17:45

Tgt Ion:330 Resp: 431
 Ion Ratio Lower Upper
 330 100
 332 88.2 78.4 117.6
 141 48.5 37.0 55.4

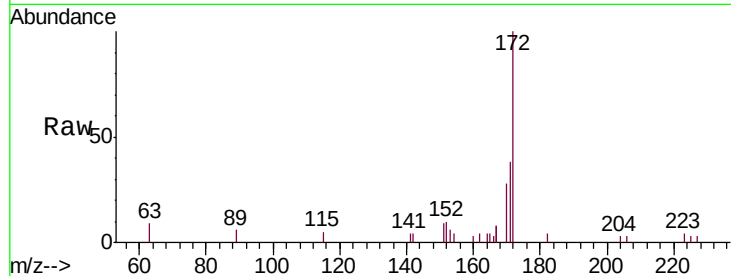




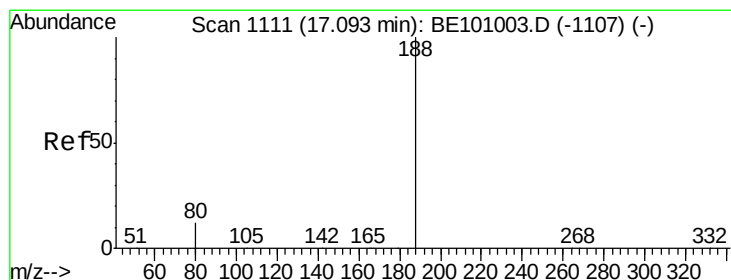
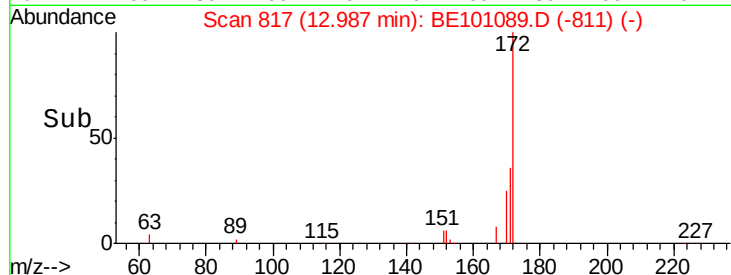
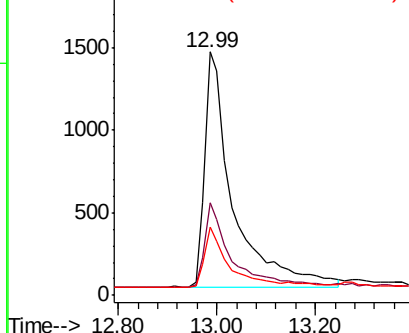
#15
2-Fluorobiphenyl
Concen: 0.383 ng
RT: 12.99 min Scan# 817
Delta R.T. -0.02 min
Lab File: BE101089.D
Acq: 17 Jan 2020 17:45

Instrument :
BNA_E
ClientSampleId :
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Tgt Ion:	172	Resp:	5749
Ion	Ratio	Lower	Upper
172	100		
171	38.3	28.2	42.2
170	27.8	18.9	28.3

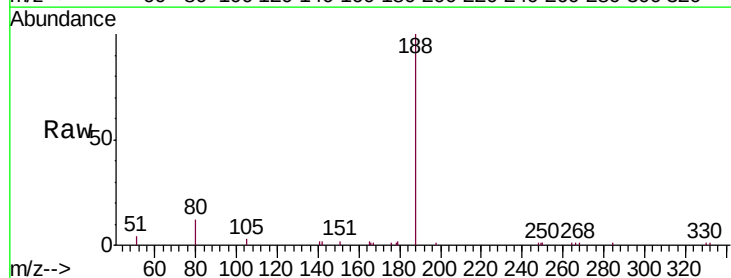


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

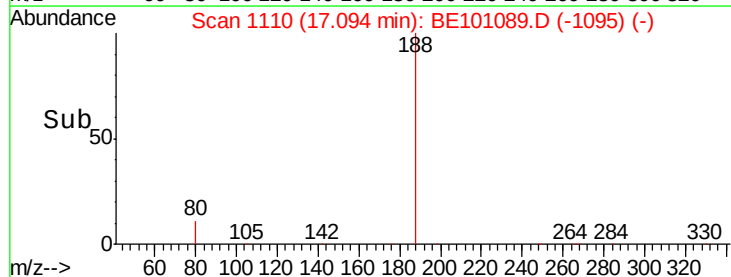
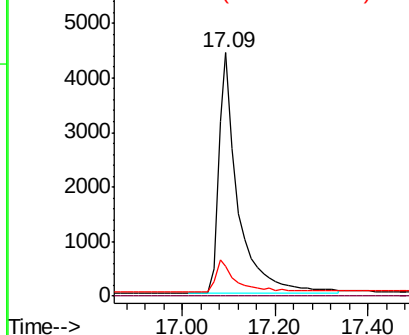


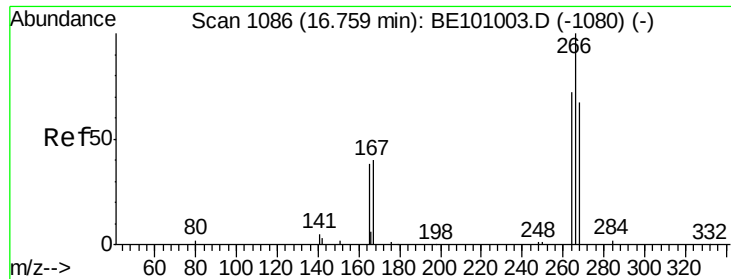
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.09 min Scan# 1110
Delta R.T. 0.00 min
Lab File: BE101089.D
Acq: 17 Jan 2020 17:45

Tgt Ion:	188	Resp:	12901
Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.4	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





#22

Pentachlorophenol

Concen: 0.251 ng

RT: 16.77 min Scan# 1086

Delta R.T. 0.01 min

Lab File: BE101089.D

Acq: 17 Jan 2020 17:45

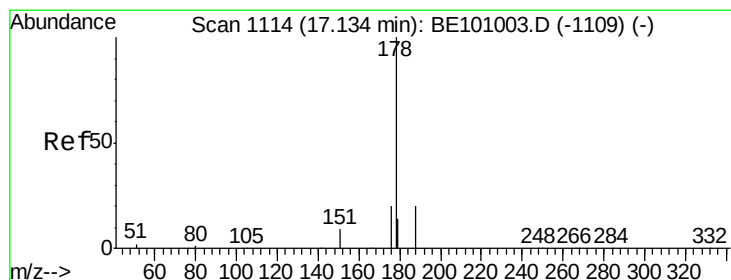
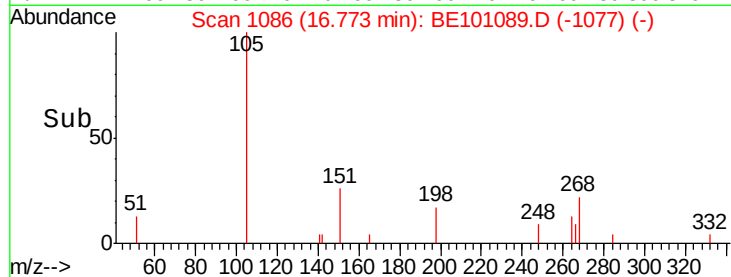
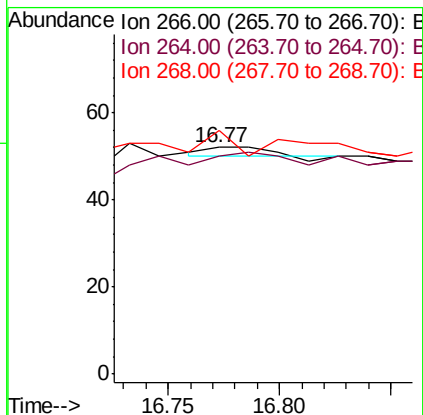
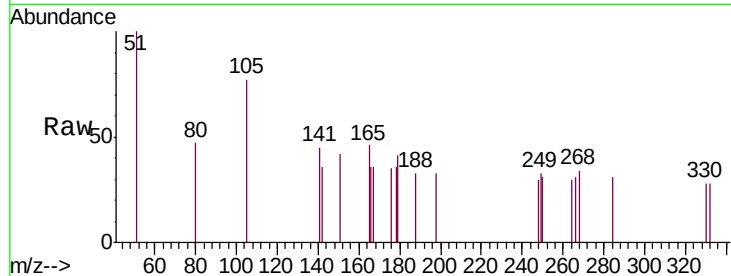
Instrument :

BNA_E

ClientSampleId :

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Tgt Ion:	266	Resp:	3
Ion	Ratio	Lower	Upper
266	100		
264	96.2	61.0	91.4#
268	107.7	58.5	87.7#



#23

Phenanthrene

Concen: 0.028 ng

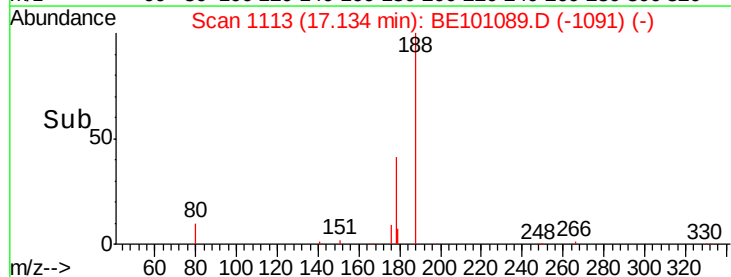
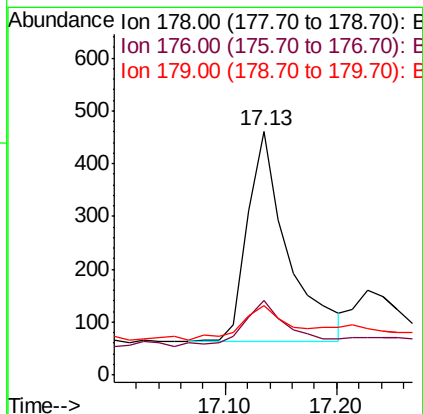
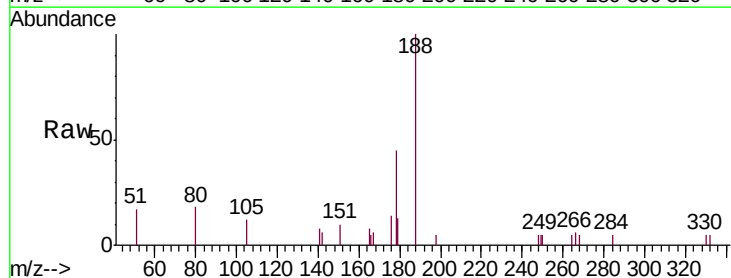
RT: 17.13 min Scan# 1113

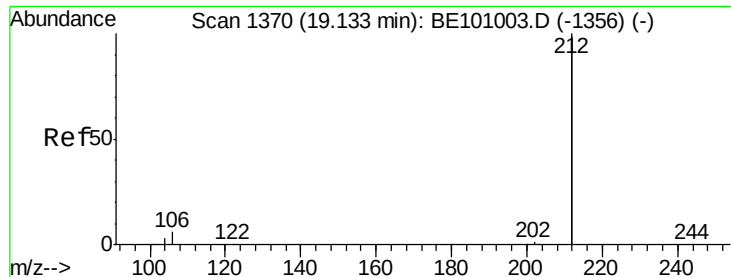
Delta R.T. 0.00 min

Lab File: BE101089.D

Acq: 17 Jan 2020 17:45

Tgt Ion:	178	Resp:	999
Ion	Ratio	Lower	Upper
178	100		
176	24.7	15.7	23.5#
179	18.0	12.0	18.0#





#25

Fluoranthene-d10

Concen: 0.606 ng

RT: 19.12 min Scan# 1367

Delta R.T. -0.01 min

Lab File: BE101089.D

Acq: 17 Jan 2020 17:45

Instrument :

BNA_E

ClientSampleId :

PF-1

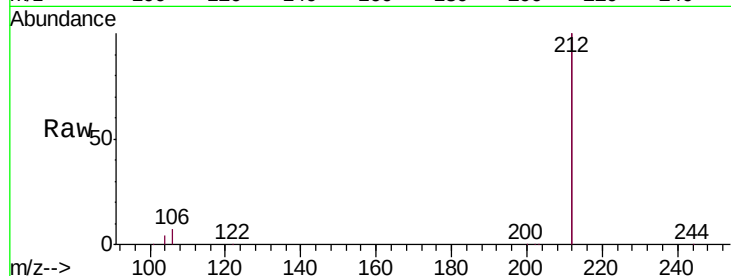
Tgt Ion:212 Resp: 108521

Ion Ratio Lower Upper

212 100

106 3.4 2.6 3.8

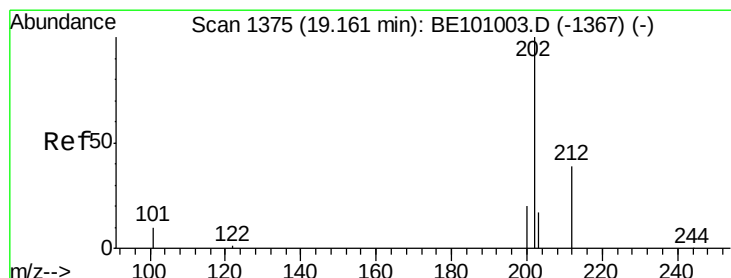
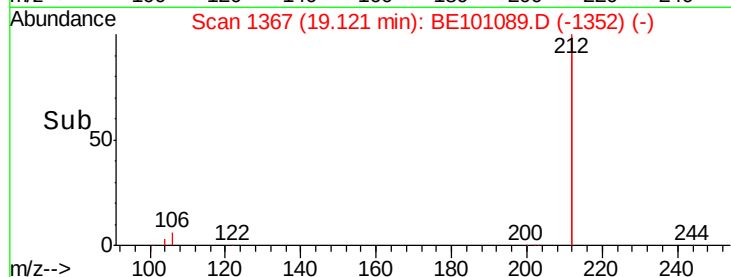
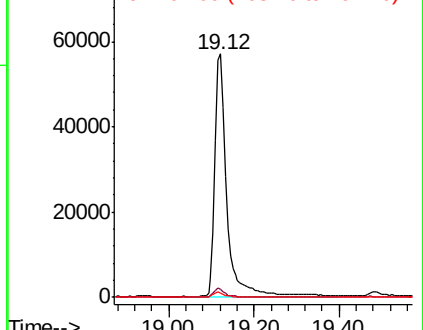
104 1.9 1.4 2.0



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: 0.062 ng

RT: 19.15 min Scan# 1372

Delta R.T. -0.01 min

Lab File: BE101089.D

Acq: 17 Jan 2020 17:45

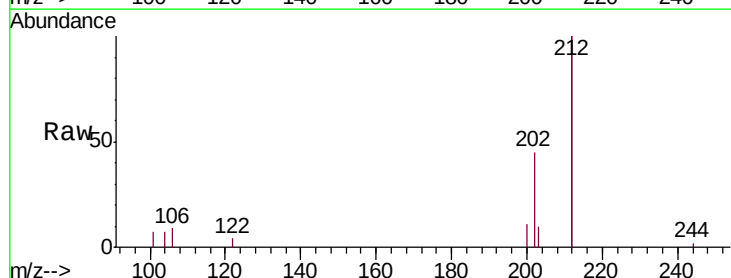
Tgt Ion:202 Resp: 2756

Ion Ratio Lower Upper

202 100

101 11.8 9.6 14.4

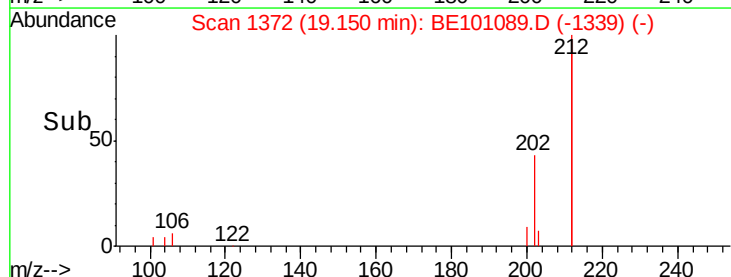
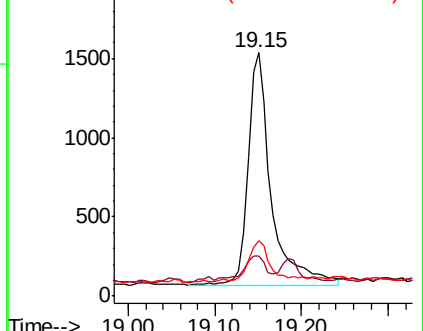
203 17.0 13.8 20.6

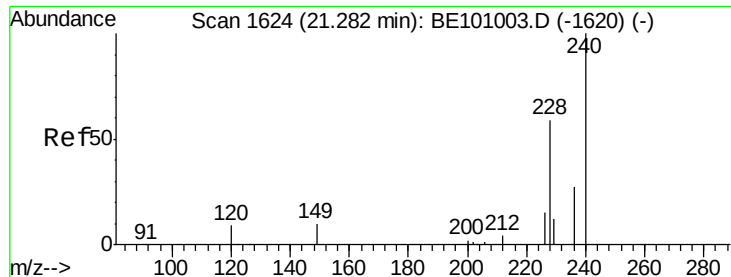


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE101089.D

Acq: 17 Jan 2020 17:45

Instrument :

BNA_E

ClientSampleId :

PF-1

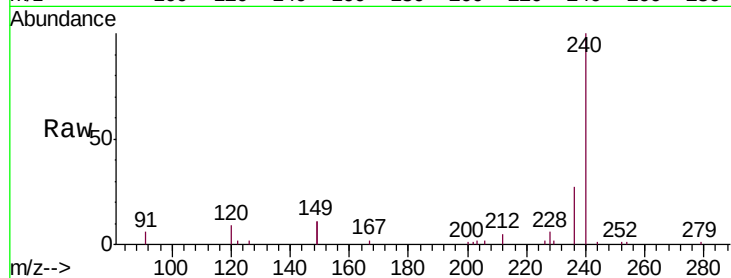
Tgt Ion:240 Resp: 23567

Ion Ratio Lower Upper

240 100

120 9.4 8.6 13.0

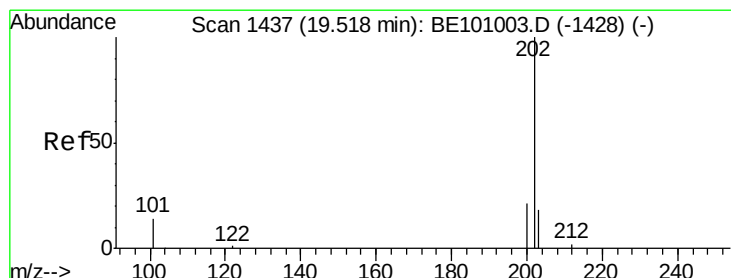
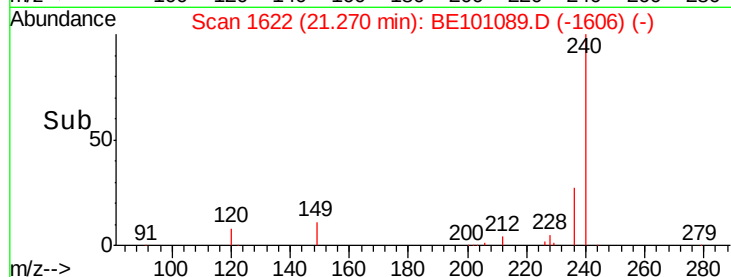
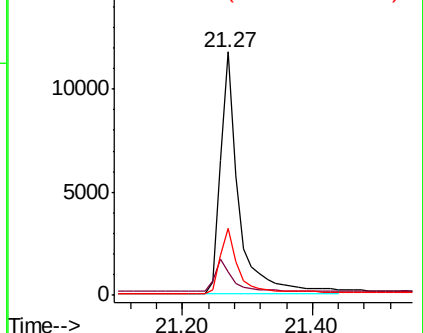
236 27.2 22.2 33.4



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

Pyrene

Concen: 0.040 ng

RT: 19.51 min Scan# 1435

Delta R.T. -0.01 min

Lab File: BE101089.D

Acq: 17 Jan 2020 17:45

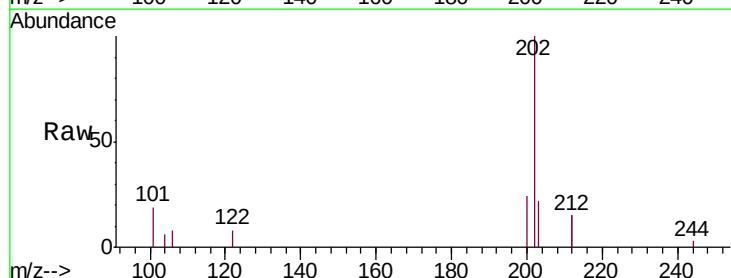
Tgt Ion:202 Resp: 3493

Ion Ratio Lower Upper

202 100

200 21.0 17.0 25.4

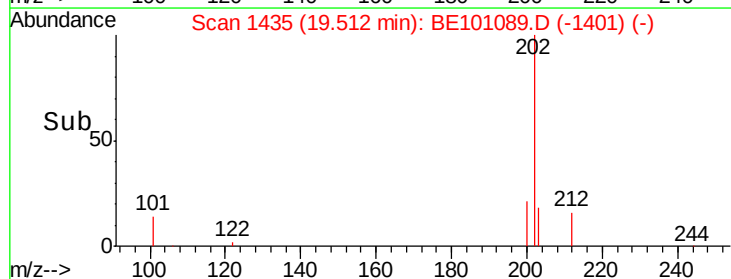
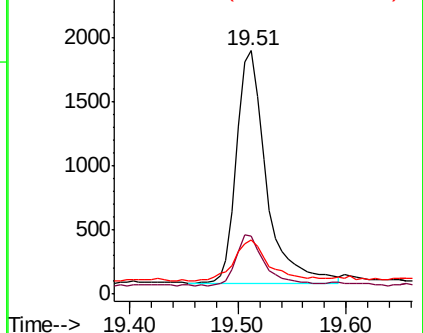
203 20.2 13.8 20.6

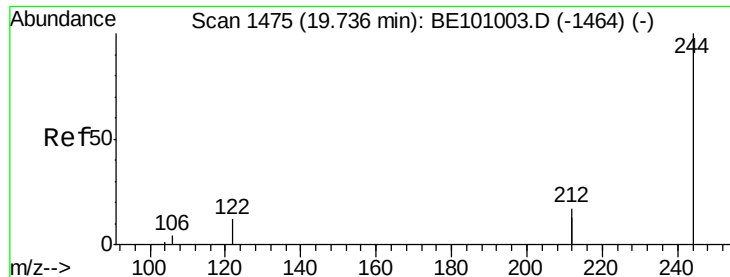


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.412 ng

RT: 19.72 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BE101089.D

Acq: 17 Jan 2020 17:45

Instrument :

BNA_E

ClientSampleId :

PF-1

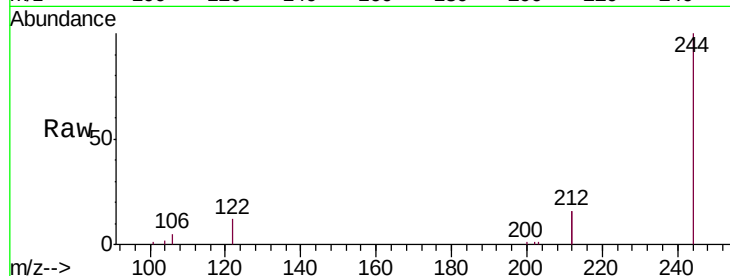
Tgt Ion:244 Resp: 23844

Ion Ratio Lower Upper

244 100

212 31.8 27.2 40.8

122 11.7 9.8 14.8

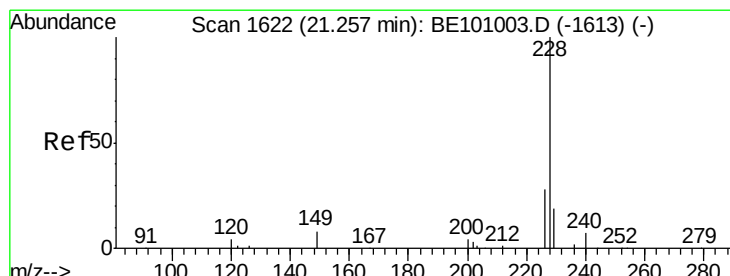
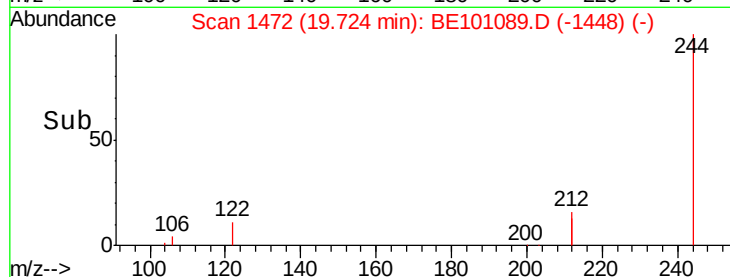
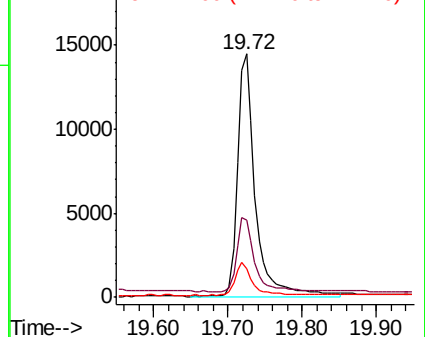


Abundance

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: 0.037 ng

RT: 21.26 min Scan# 1621

Delta R.T. 0.00 min

Lab File: BE101089.D

Acq: 17 Jan 2020 17:45

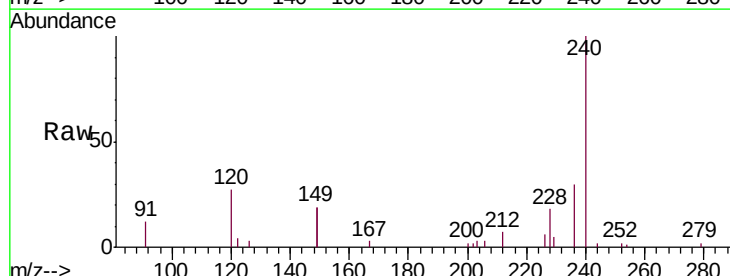
Tgt Ion:228 Resp: 2501

Ion Ratio Lower Upper

228 100

226 33.9 22.7 34.1

229 30.5 15.5 23.3#

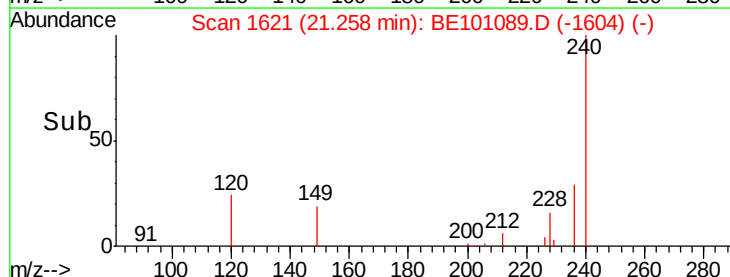
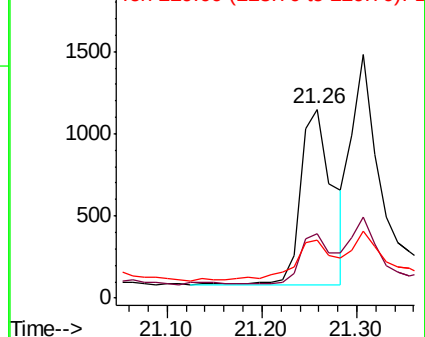


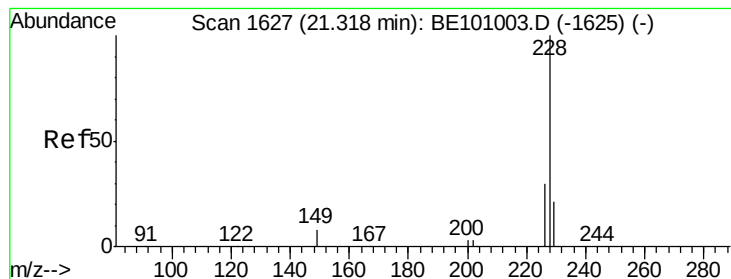
Abundance

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: 0.031 ng

RT: 21.31 min Scan# 1625

Delta R.T. -0.01 min

Lab File: BE101089.D

Acq: 17 Jan 2020 17:45

Instrument :

BNA_E

ClientSampleId :

PF-1

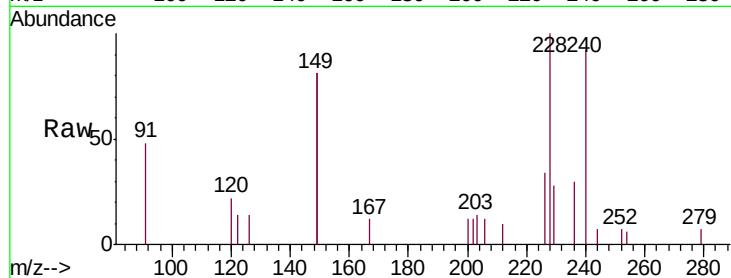
Tgt Ion: 228 Resp: 3086

Ion Ratio Lower Upper

228 100

226 33.6 23.5 35.3

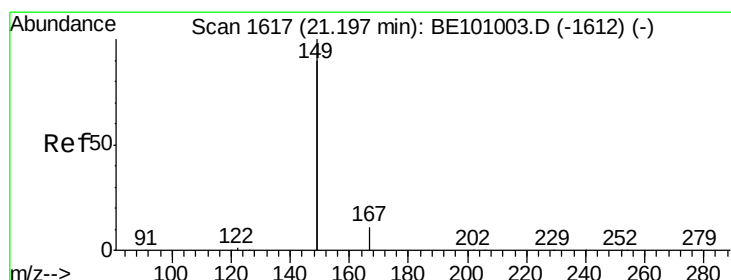
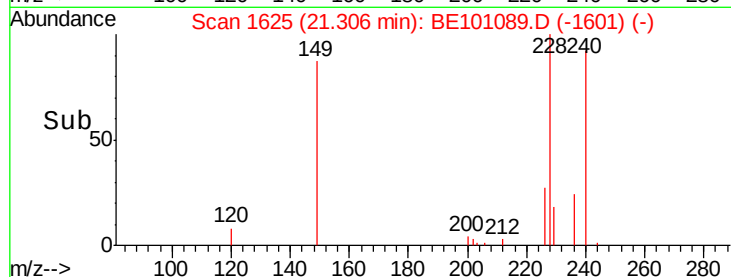
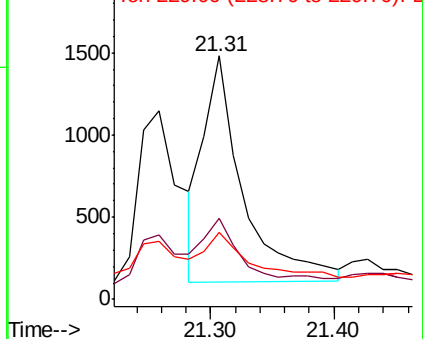
229 27.6 16.7 25.1#



Abundance Ion 228.00 (227.70 to 228.70): E

2000 Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.126 ng

RT: 21.19 min Scan# 1615

Delta R.T. -0.01 min

Lab File: BE101089.D

Acq: 17 Jan 2020 17:45

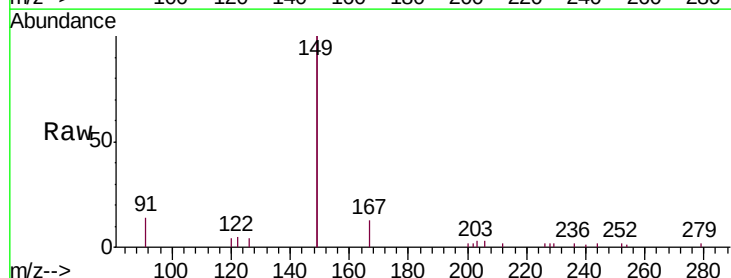
Tgt Ion: 149 Resp: 14173

Ion Ratio Lower Upper

149 100

167 6.8 5.2 7.8

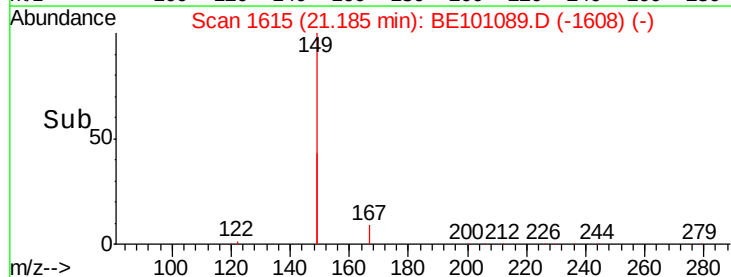
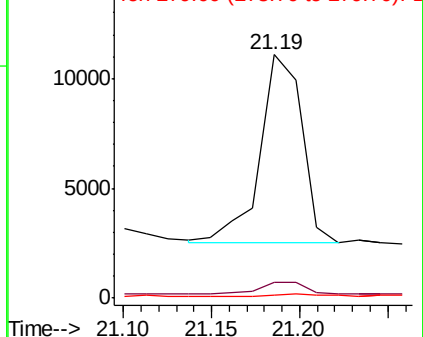
279 0.8 0.8 1.2

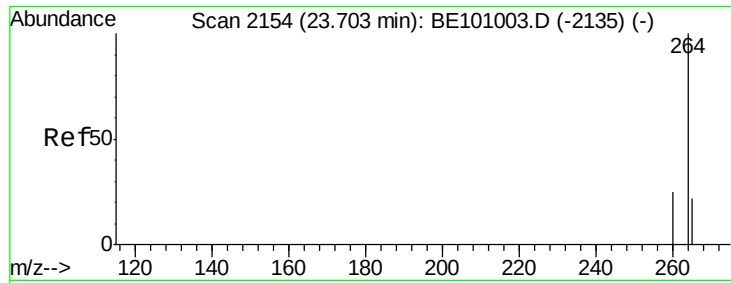


Abundance Ion 149.00 (148.70 to 149.70): E

15000 Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

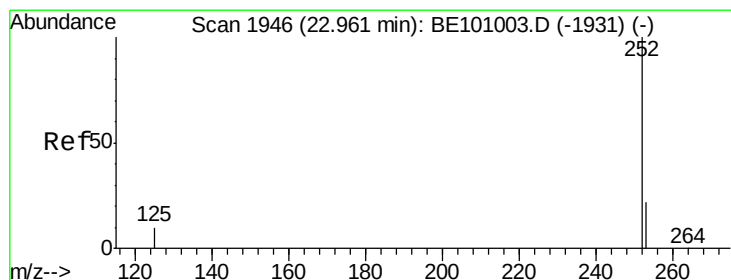
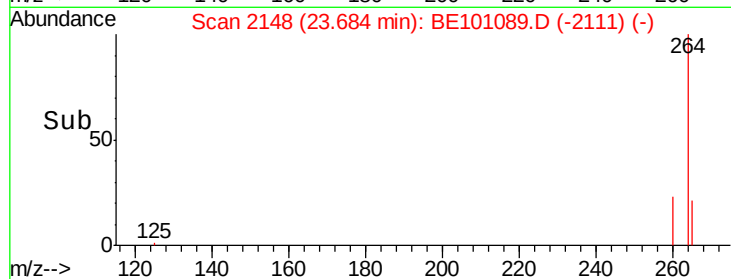
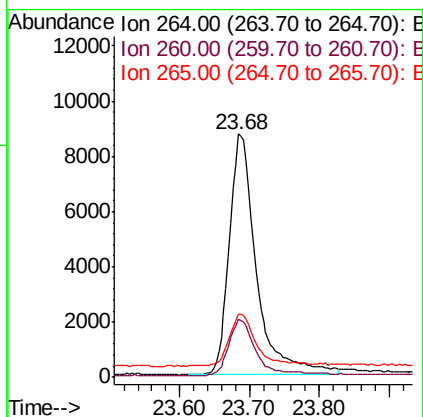
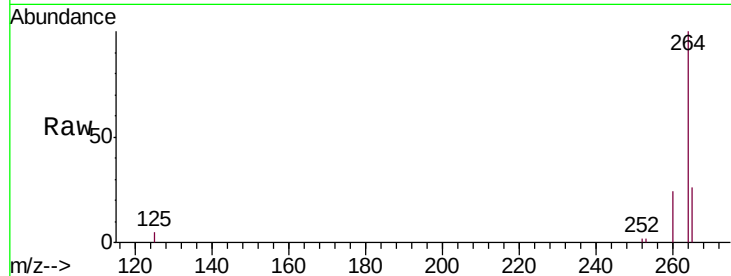




#34
Perylene-d12
Concen: 0.400 ng
RT: 23.68 min Scan# 2148
Delta R.T. -0.02 min
Lab File: BE101089.D
Acq: 17 Jan 2020 17:45

Instrument :
BNA_E
ClientSampleId :
PF-1

Tgt Ion: 264 Resp: 23566
Ion Ratio Lower Upper
264 100
260 23.8 20.3 30.5
265 25.9 27.0 40.4#



#35
Benzo(b)fluoranthene
Concen: 0.026 ng
RT: 22.95 min Scan# 1943
Delta R.T. -0.01 min
Lab File: BE101089.D
Acq: 17 Jan 2020 17:45

Tgt Ion: 252 Resp: 1710
Ion Ratio Lower Upper
252 100
253 41.9 18.5 27.7#
125 52.8 9.5 14.3#

