

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090419\
 Data File : BF116825.D
 Acq On : 4 Sep 2019 19:36
 Operator : HP/JU
 Sample : K4655-07
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 05 02:09:05 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	68026	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	272551	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	135486	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	205449	20.00	ng	0.00
76) Chrysene-d12	14.00	240	138851	20.00	ng	0.00
87) Perylene-d12	15.45	264	124455	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	441531	105.15	ng	0.00
7) Phenol-d6	6.48	99	602158	109.21	ng	0.00
23) Nitrobenzene-d5	7.41	82	364369	76.32	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	100906	111.41	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	596756	74.30	ng	0.00
79) Terphenyl-d14	12.94	244	463144	61.71	ng	0.00

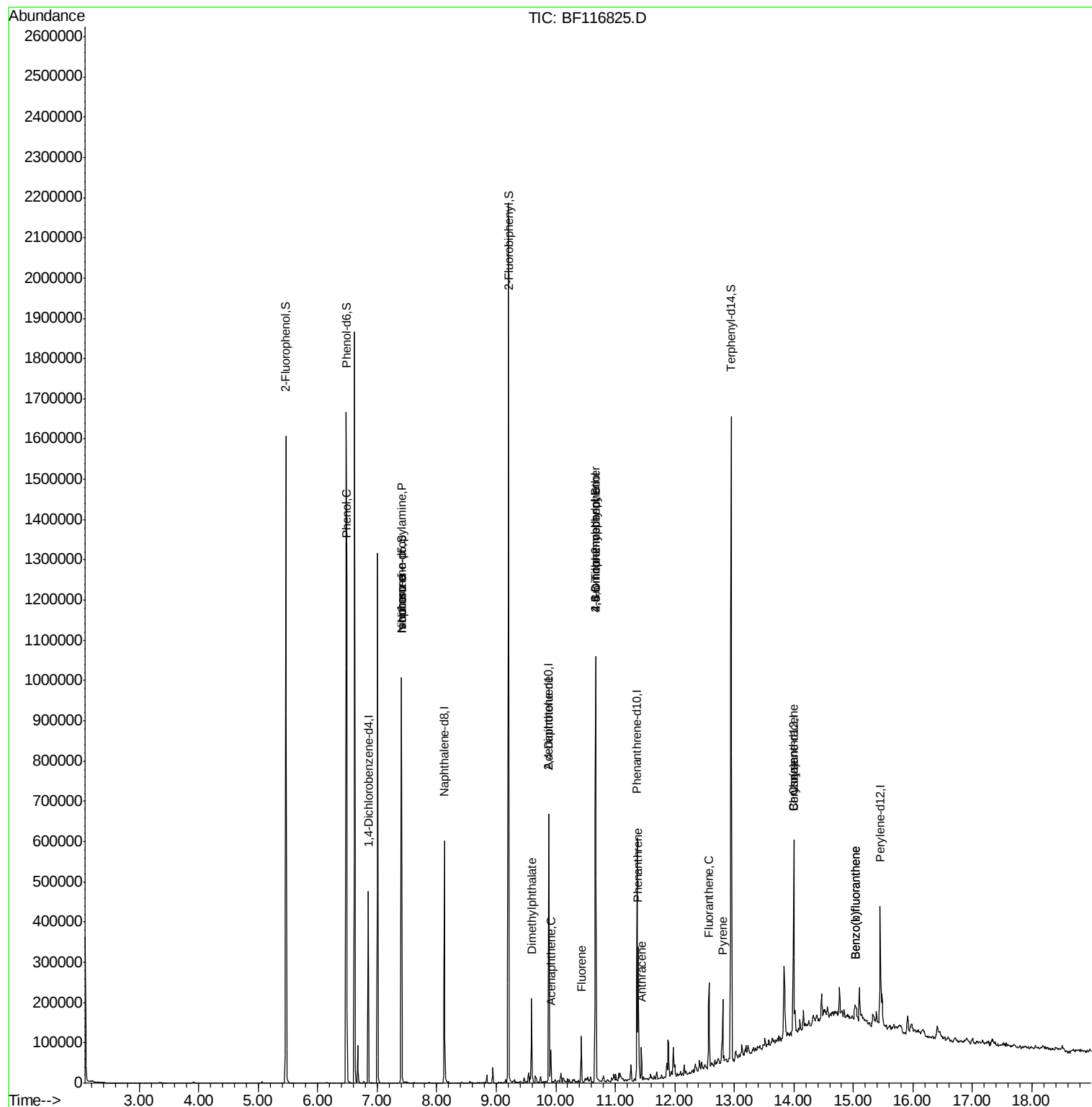
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.49	94	16099	2.637	ng	96
19) n-Nitroso-di-n-propylamine	7.41	70	48162	13.266	ng	# 70
25) Isophorone	7.41	82	364362	37.663	ng	# 66
50) Dimethylphthalate	9.59	163	70585	7.546	ng	98
52) Acenaphthene	9.92	154	15709	2.077	ng	91
57) 2,4-Dinitrotoluene	9.88	165	18857	8.641	ng	# 19
58) Fluorene	10.43	166	27941	3.439	ng	99
65) 4,6-Dinitro-2-methylphenol	10.67	198	128	7.594	ng	# 1
67) 4-Bromophenyl-phenylether	10.67	248	6498	3.113	ng	# 1
71) Phenanthrene	11.39	178	109138	9.543	ng	99
72) Anthracene	11.44	178	28893	2.510	ng	99
75) Fluoranthene	12.57	202	76610	6.816	ng	98
78) Pvrene	12.80	202	65574	5.313	ng	100
81) Benzo(a)anthracene	13.99	228	20442	2.326	ng	100
83) Chrysene	13.99	228	20442	2.258	ng	96
88) Benzo(b)fluoranthene	15.03	252	22850	3.037	ng	# 82
89) Benzo(k)fluoranthene	15.03	252	22850	3.331	ng	# 82

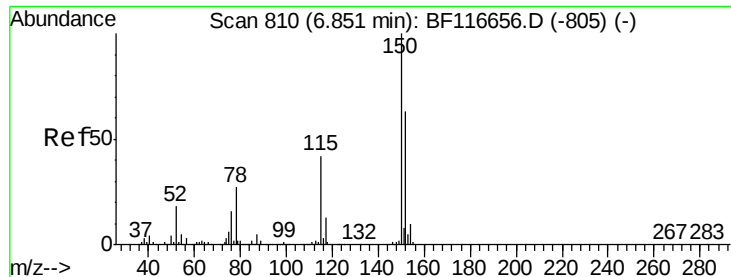
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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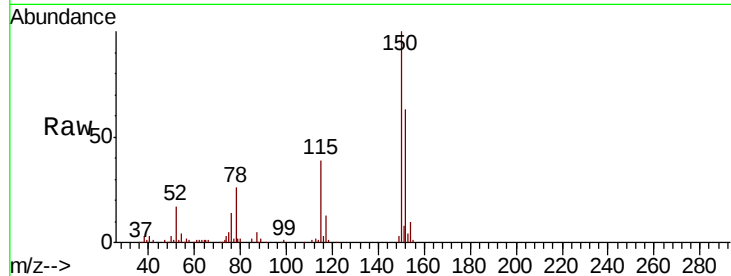


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF116825.D
Acq: 4 Sep 2019 19:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	124.4	186.6
115	62.4	49.9	74.9

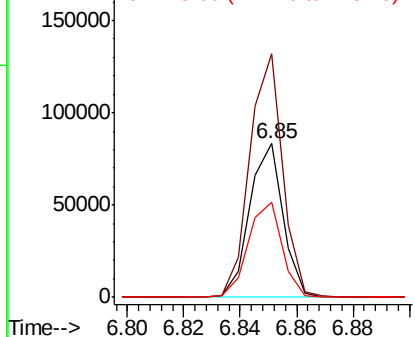
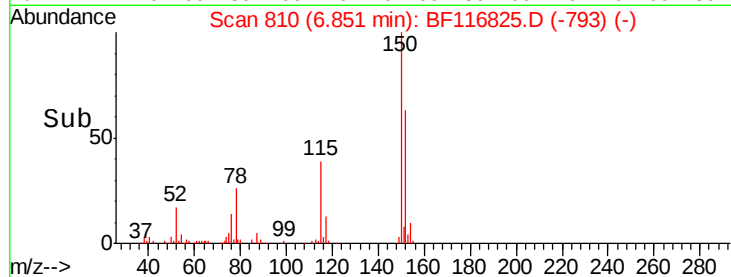


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

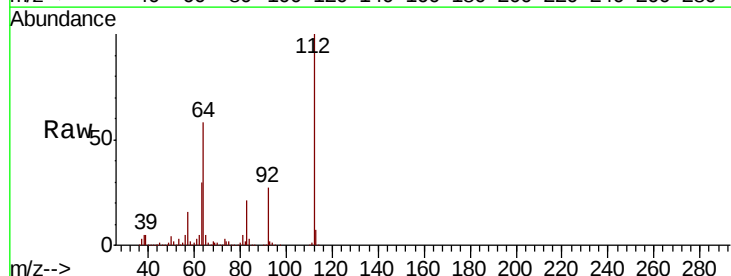
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 105.152 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF116825.D
Acq: 4 Sep 2019 19:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	47.1	70.7
63	30.0	24.9	37.3

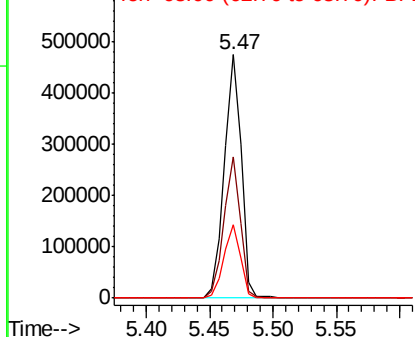
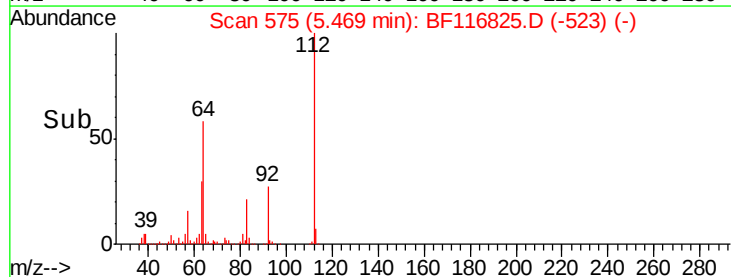


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 109.211 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF116825.D

Acq: 4 Sep 2019 19:36

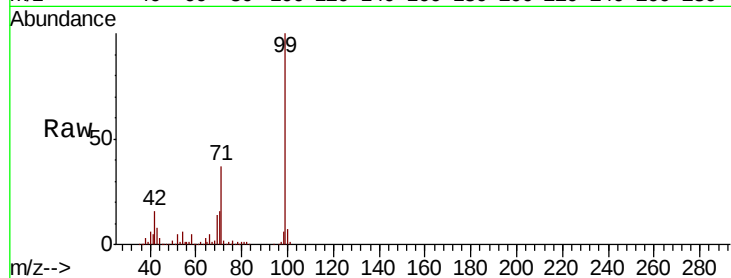
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 602158

Ion	Ratio	Lower	Upper
99	100		
42	15.8	13.7	20.5
71	36.9	30.8	46.2

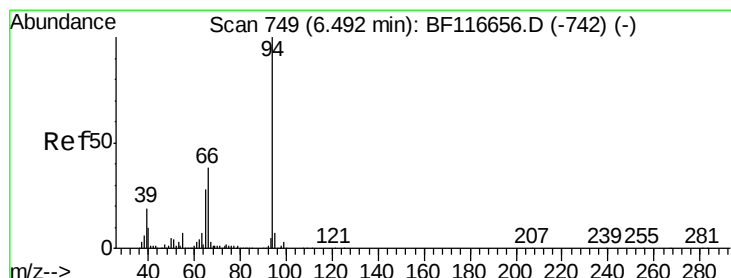
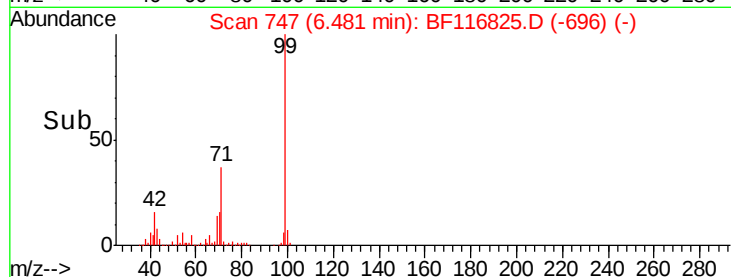
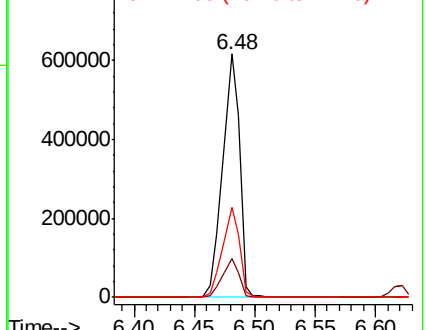


Abundance

Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.637 ng

RT: 6.49 min Scan# 749

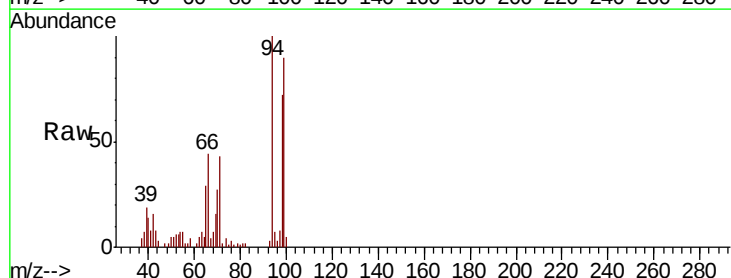
Delta R.T. 0.00 min

Lab File: BF116825.D

Acq: 4 Sep 2019 19:36

Tgt Ion: 94 Resp: 16099

Ion	Ratio	Lower	Upper
94	100		
65	28.7	10.8	50.8
66	43.9	21.1	61.1

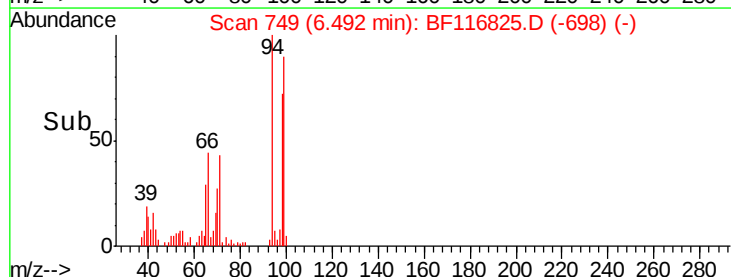
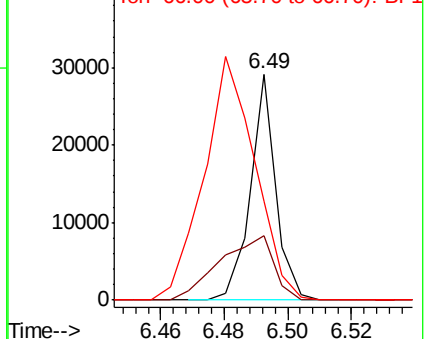


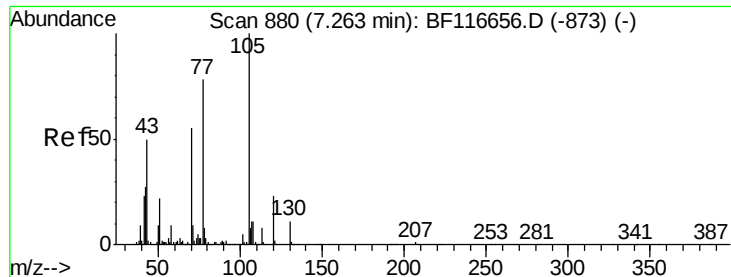
Abundance

Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

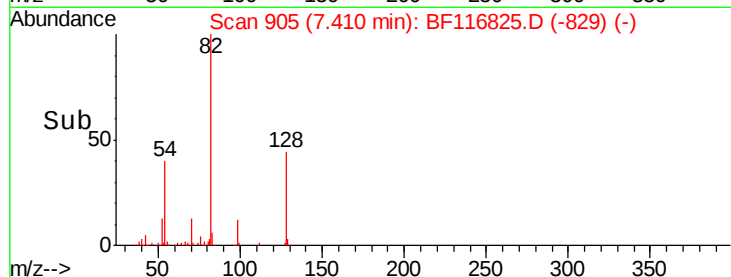
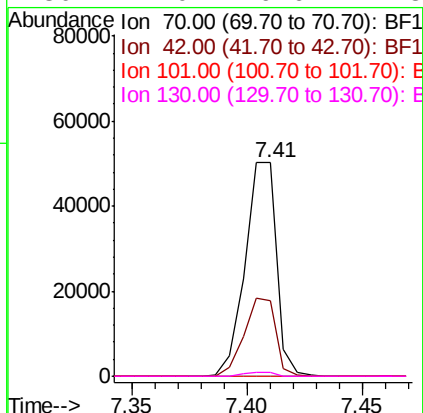
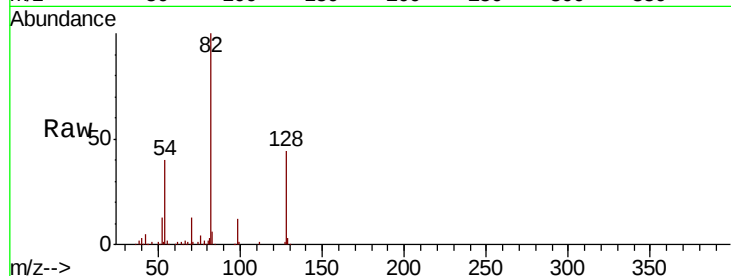




#19
n-Nitroso-di-n-propylamine
Concen: 13.266 ng
RT: 7.41 min Scan# 905
Delta R.T. 0.15 min
Lab File: BF116825.D
Acq: 4 Sep 2019 19:36

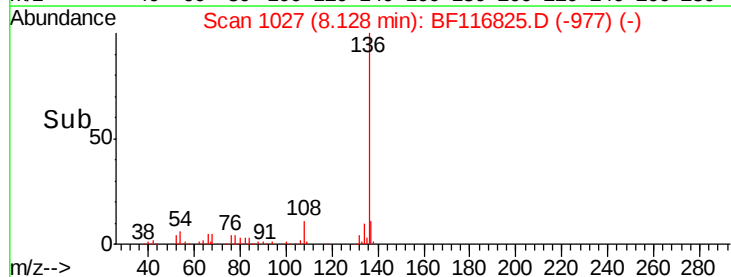
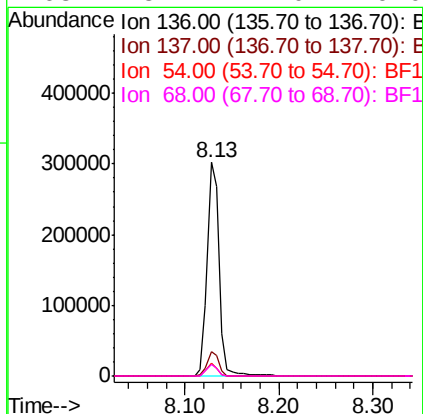
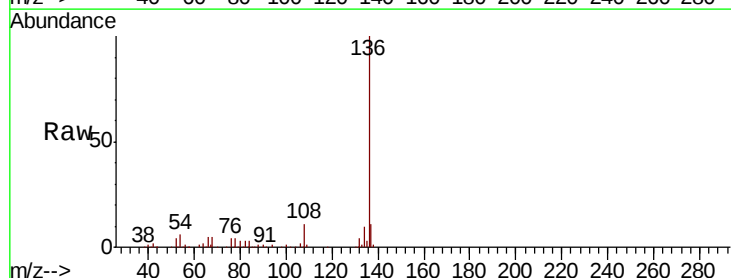
Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
70	100		
42	35.6	43.5	65.3#
101	0.0	7.8	11.6#
130	2.0	16.6	24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116825.D
Acq: 4 Sep 2019 19:36

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	5.8	4.8	7.2
68	5.1	4.0	6.0

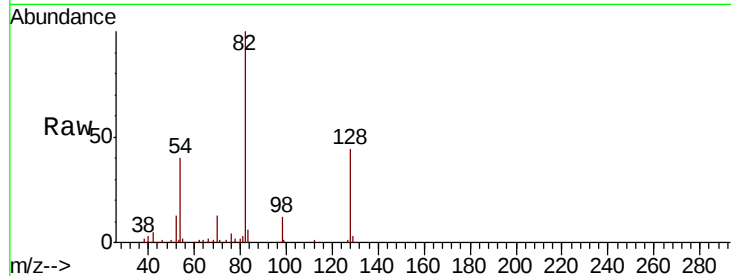




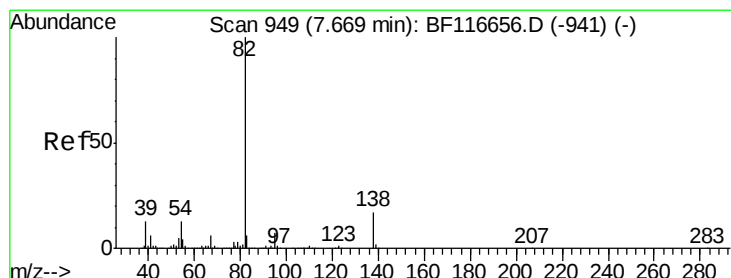
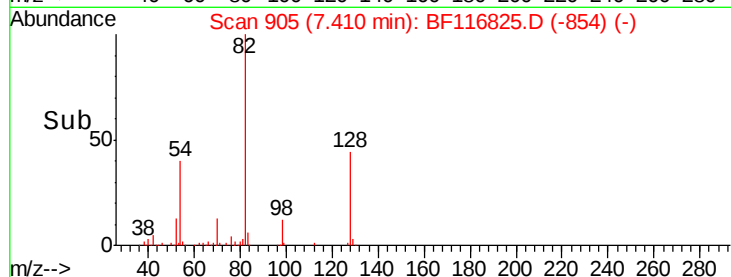
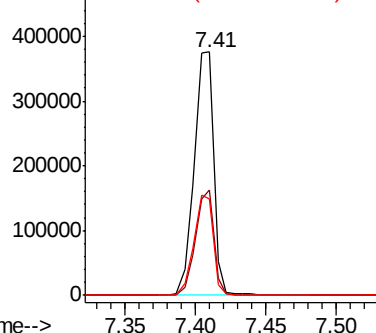
#23
Nitrobenzene-d5
Concen: 76.319 ng
RT: 7.41 min Scan# 905
Delta R.T. 0.00 min
Lab File: BF116825.D
Acq: 4 Sep 2019 19:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.5	32.8	49.2
54	39.5	36.9	55.3

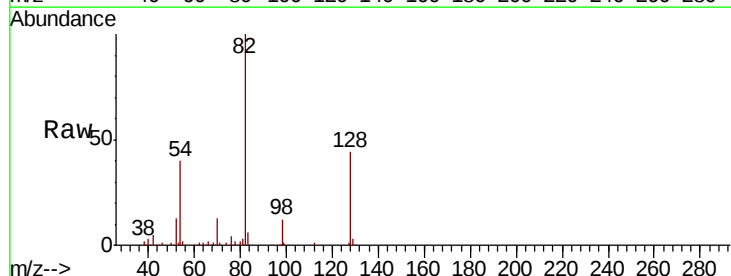


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

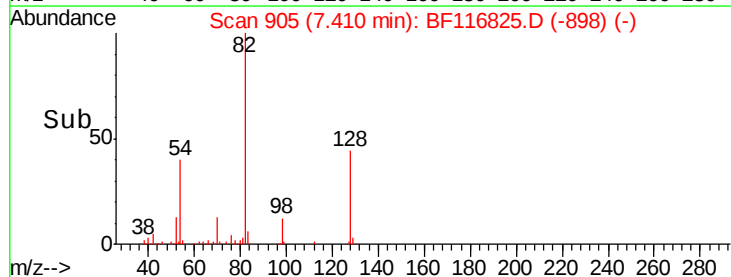
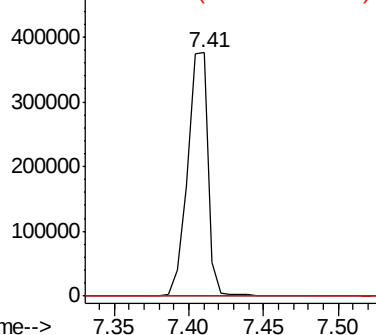


#25
Isophorone
Concen: 37.663 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.26 min
Lab File: BF116825.D
Acq: 4 Sep 2019 19:36

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.8	8.6#
138	0.0	13.5	20.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

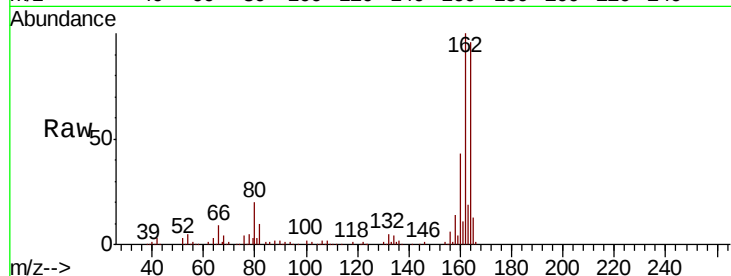




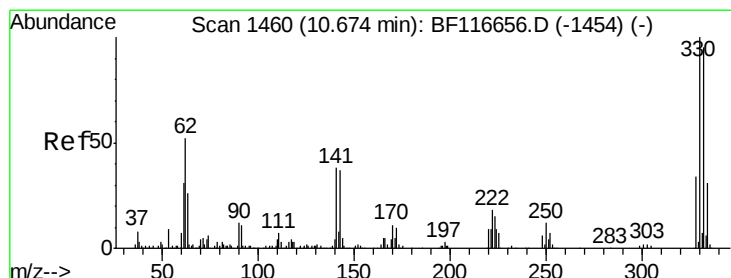
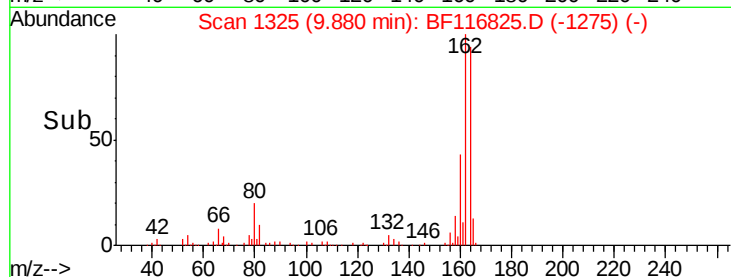
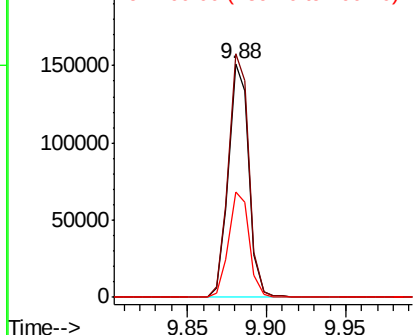
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116825.D
Acq: 4 Sep 2019 19:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 135486
Ion Ratio Lower Upper
164 100
162 104.1 81.4 122.0
160 45.0 35.4 53.2

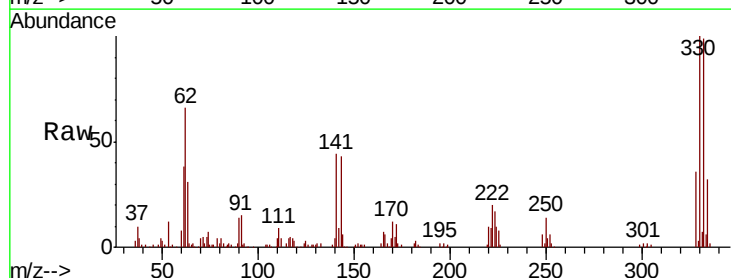


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

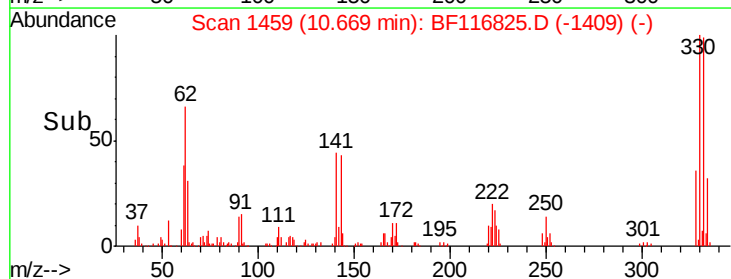
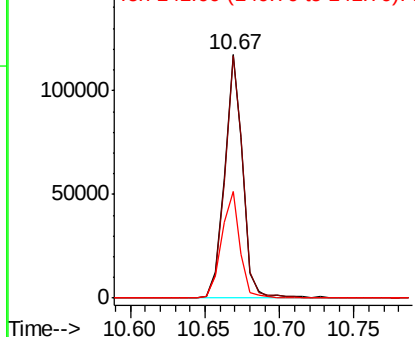


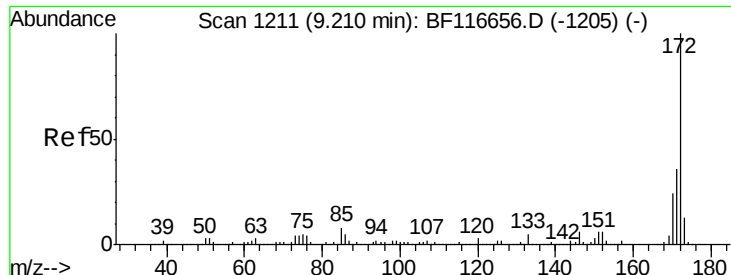
#42
2,4,6-Tribromophenol
Concen: 111.406 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF116825.D
Acq: 4 Sep 2019 19:36

Tgt Ion:330 Resp: 100906
Ion Ratio Lower Upper
330 100
332 99.6 76.9 115.3
141 44.2 31.4 47.2



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

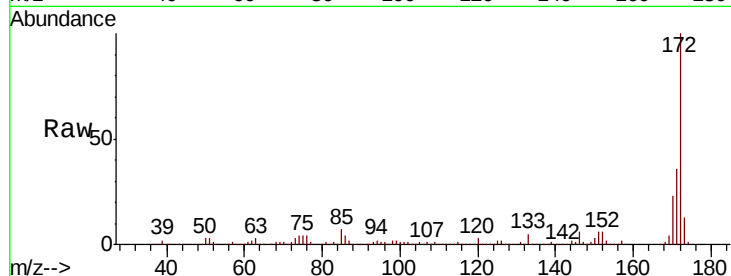




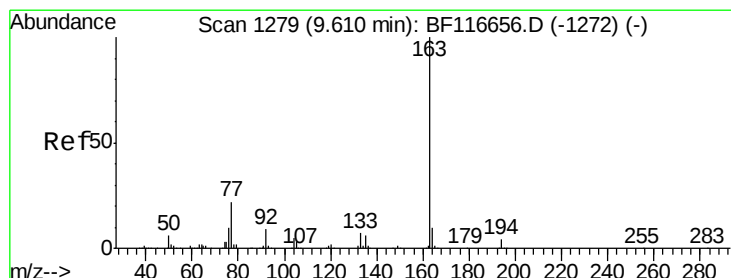
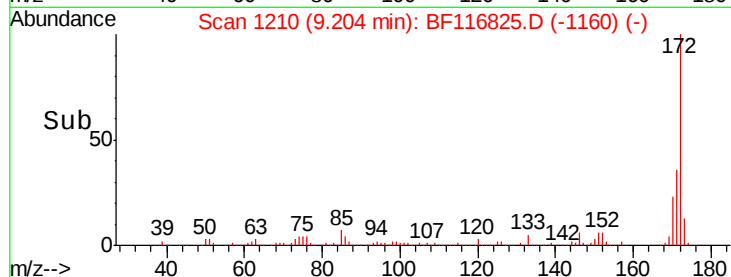
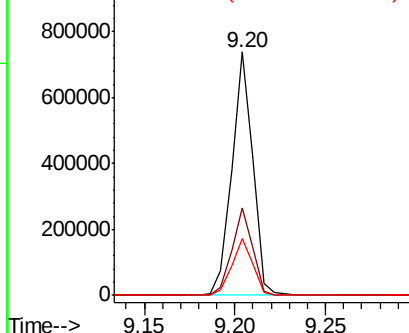
#45
2-Fluorobiphenyl
Concen: 74.300 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF116825.D
Acq: 4 Sep 2019 19:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	27.8	41.6
170	23.3	18.9	28.3

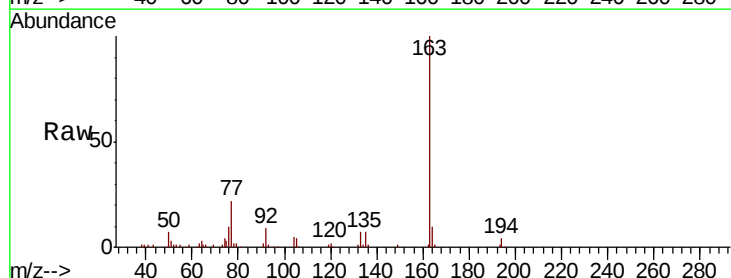


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

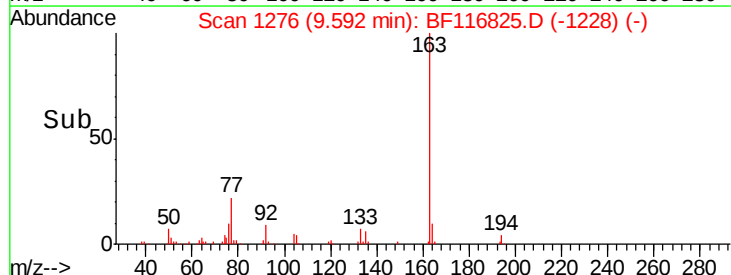
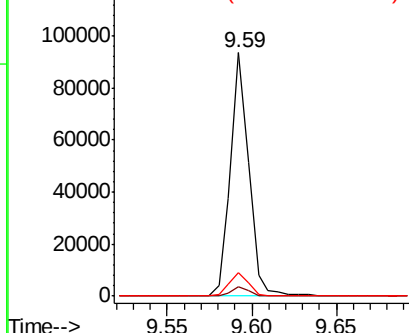


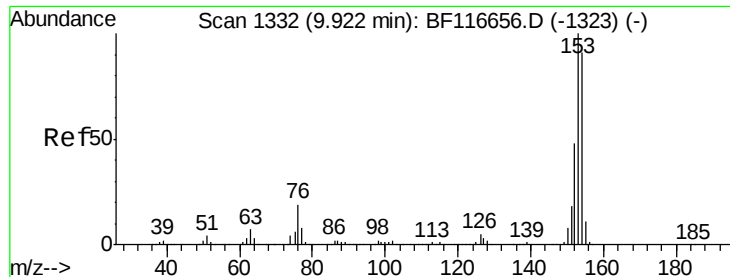
#50
Dimethylphthalate
Concen: 7.546 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116825.D
Acq: 4 Sep 2019 19:36

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.8	4.2
164	9.8	8.6	12.8



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#52

Acenaphthene

Concen: 2.077 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF116825.D

Acq: 4 Sep 2019 19:36

Instrument :

BNA_F

ClientSampleId :

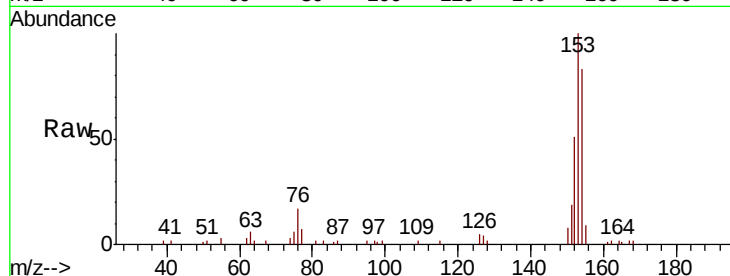
Tot Ion:154 Resp: 15709

Ion Ratio Lower Upper

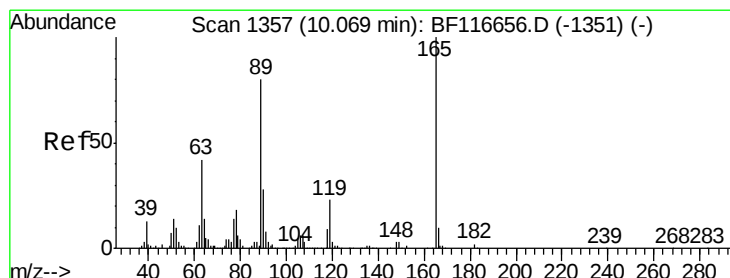
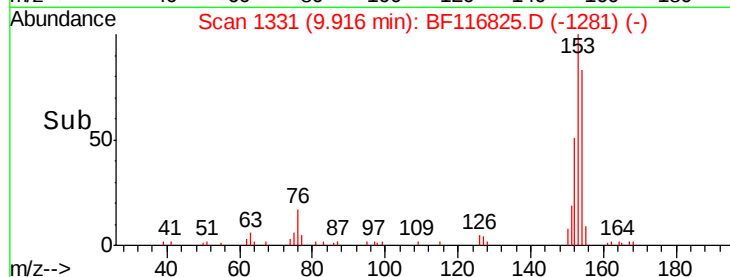
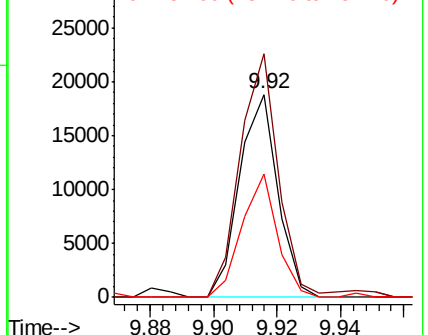
154 100

153 120.1 89.5 134.3

152 60.7 41.9 62.9



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



#57

2,4-Dinitrotoluene

Concen: 8.641 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.19 min

Lab File: BF116825.D

Acq: 4 Sep 2019 19:36

Tgt Ion:165 Resp: 18857

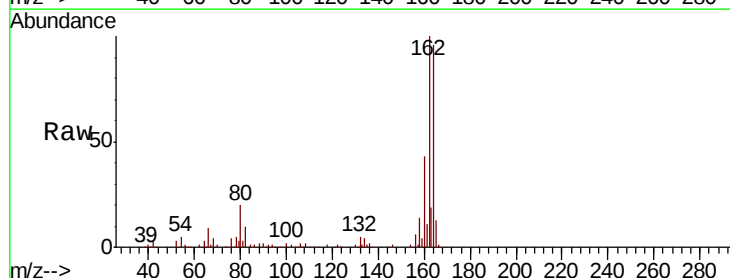
Ion Ratio Lower Upper

165 100

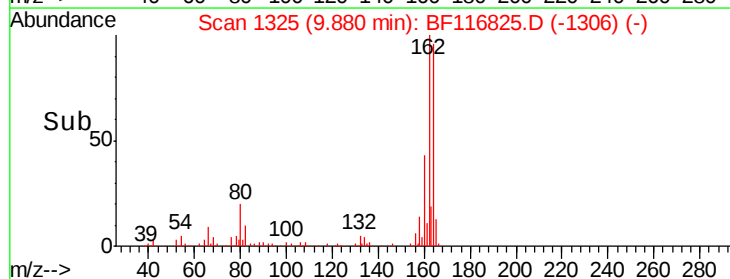
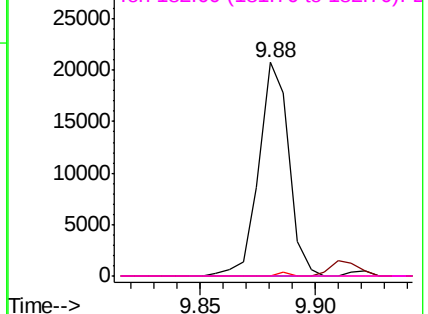
63 0.0 36.4 54.6#

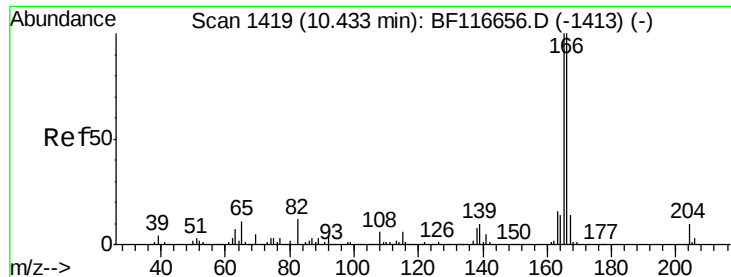
89 0.0 62.6 94.0#

182 0.0 2.1 3.1#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

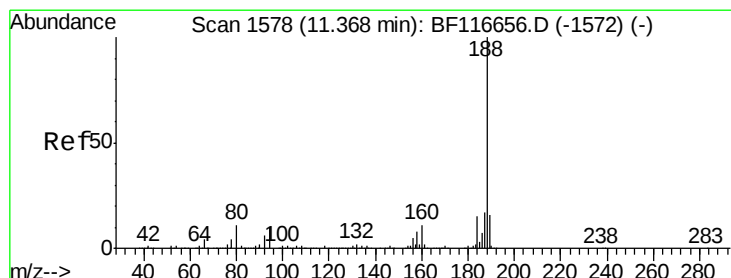
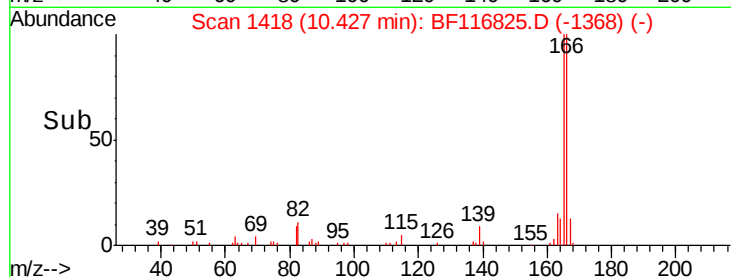
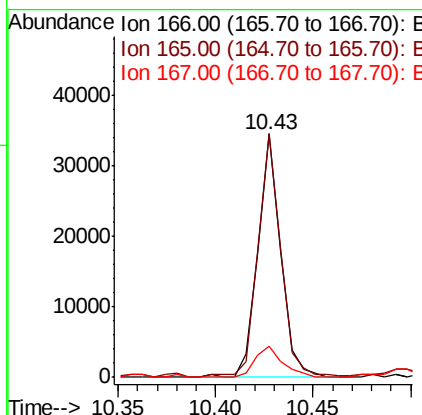
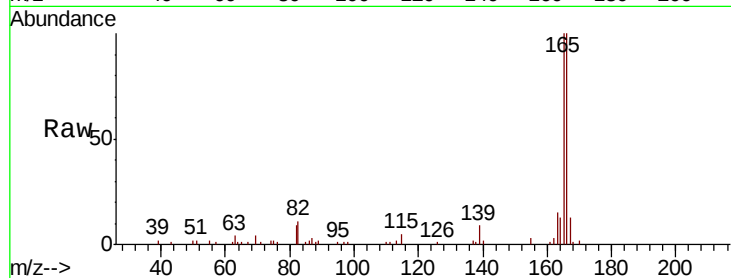




#58
 Fluorene
 Concen: 3.439 ng
 RT: 10.43 min Scan# 1418
 Delta R.T. -0.01 min
 Lab File: BF116825.D
 Acq: 4 Sep 2019 19:36

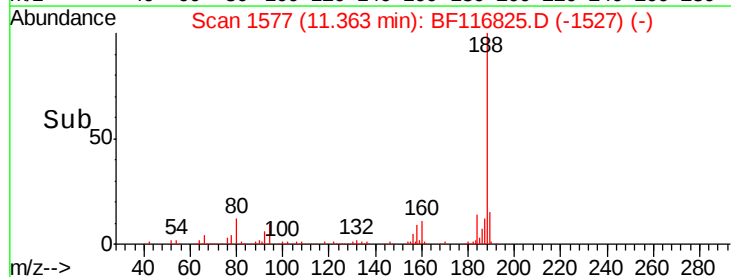
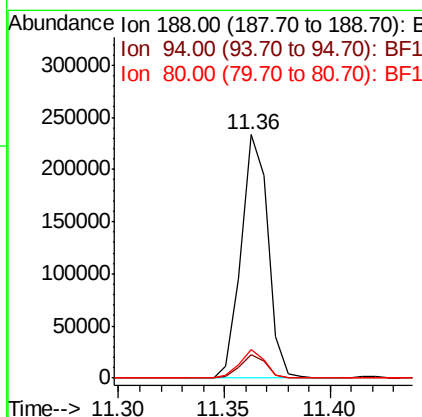
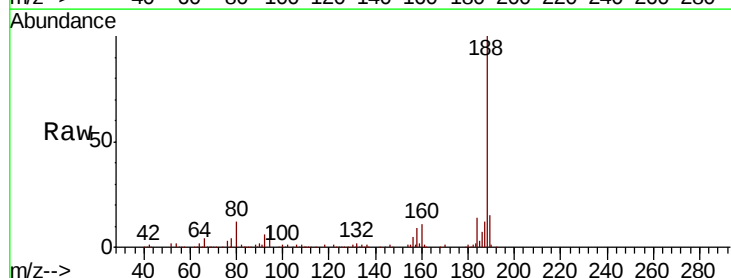
Instrument :
 BNA_F
 ClientSampleId :

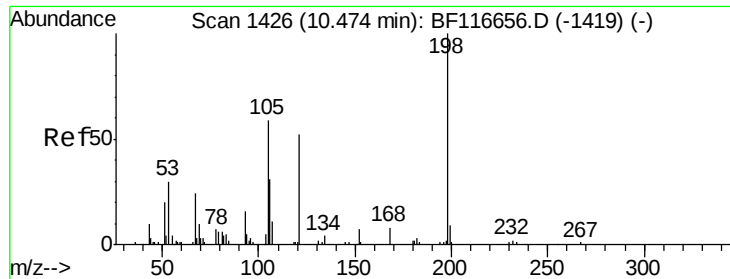
Tot Ion:166 Resp: 27941
 Ion Ratio Lower Upper
 166 100
 165 100.0 78.8 118.2
 167 13.0 10.0 15.0



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF116825.D
 Acq: 4 Sep 2019 19:36

Tgt Ion:188 Resp: 205449
 Ion Ratio Lower Upper
 188 100
 94 9.8 7.3 10.9
 80 11.6 8.4 12.6

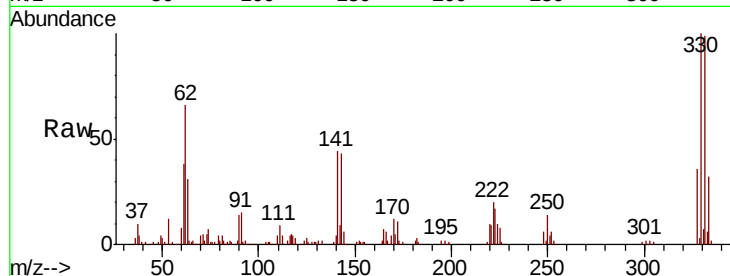




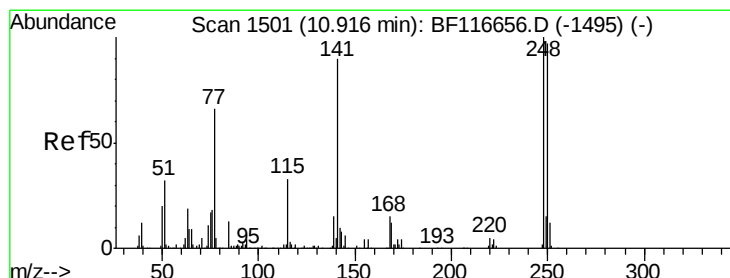
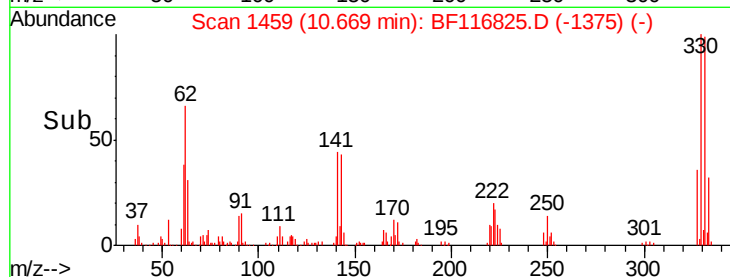
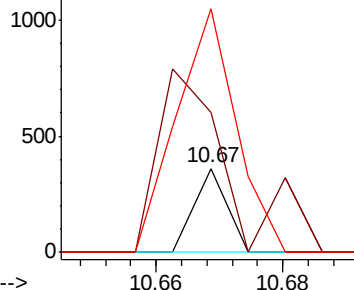
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.594 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. 0.19 min
 Lab File: BF116825.D
 Acq: 4 Sep 2019 19:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 128
 Ion Ratio Lower Upper
 198 100
 51 166.6 18.4 58.4#
 105 289.5 22.9 62.9#

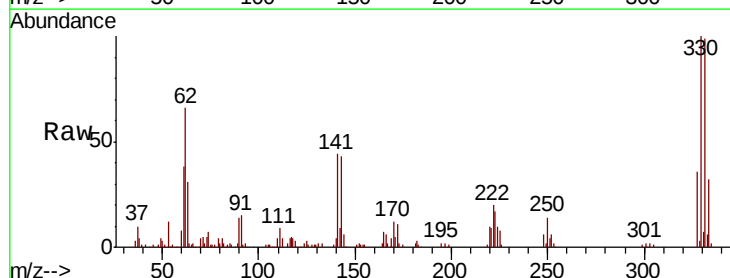


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

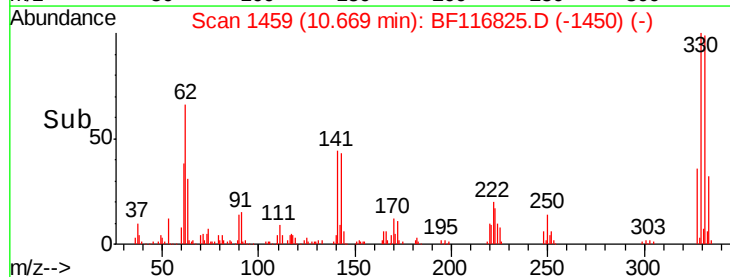
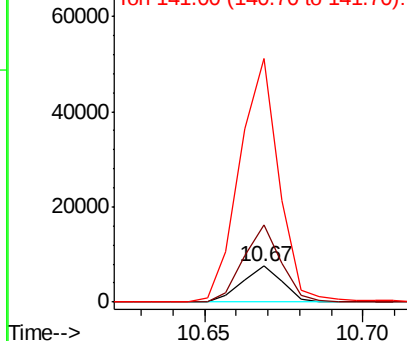


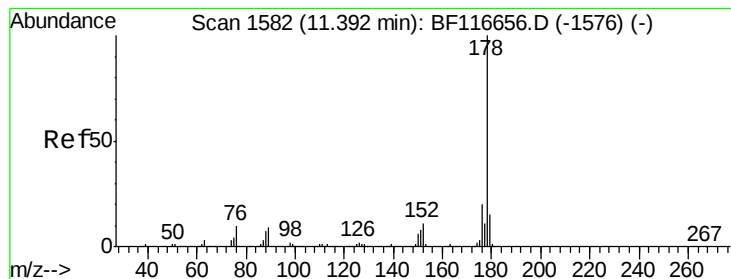
#67
 4-Bromophenyl-phenylether
 Concen: 3.113 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.25 min
 Lab File: BF116825.D
 Acq: 4 Sep 2019 19:36

Tgt Ion:248 Resp: 6498
 Ion Ratio Lower Upper
 248 100
 250 214.5 77.8 116.8#
 141 677.5 75.9 113.9#



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





#71

Phenanthrene

Concen: 9.543 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF116825.D

Acq: 4 Sep 2019 19:36

Instrument :

BNA_F

ClientSampleId :

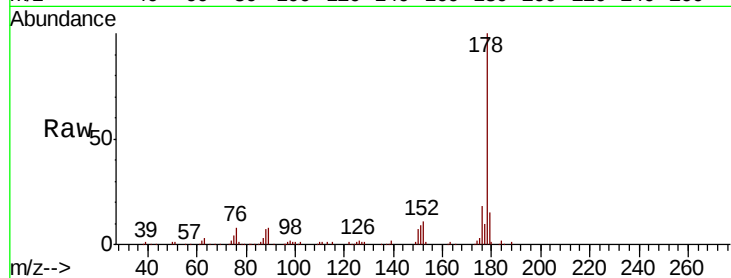
Tot Ion:178 Resp: 109138

Ion Ratio Lower Upper

178 100

176 18.3 15.4 23.0

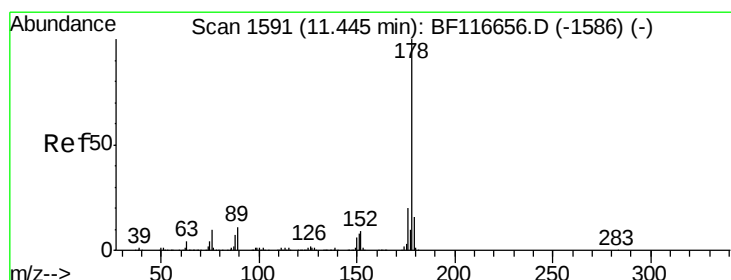
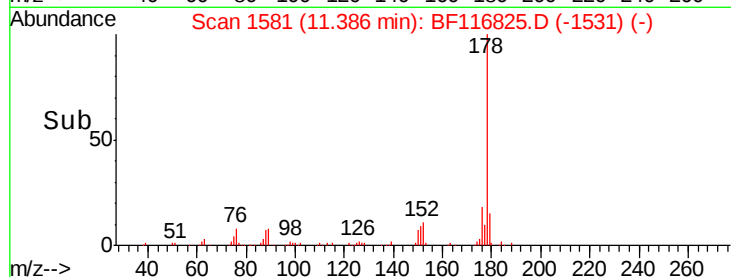
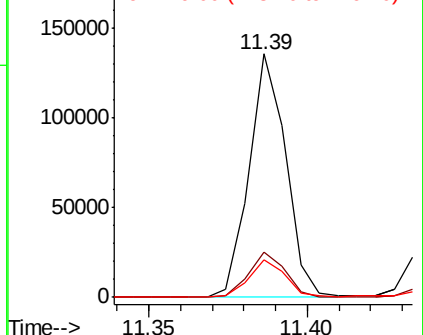
179 15.4 12.2 18.2



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



#72

Anthracene

Concen: 2.510 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.00 min

Lab File: BF116825.D

Acq: 4 Sep 2019 19:36

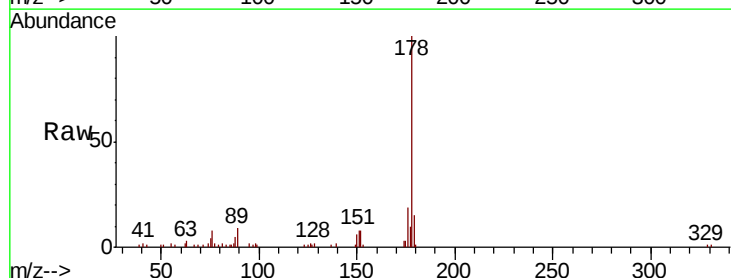
Tgt Ion:178 Resp: 28893

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.0

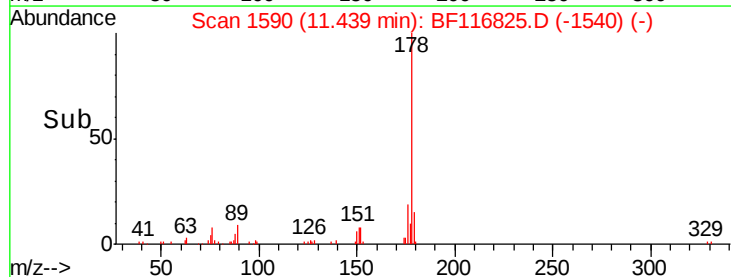
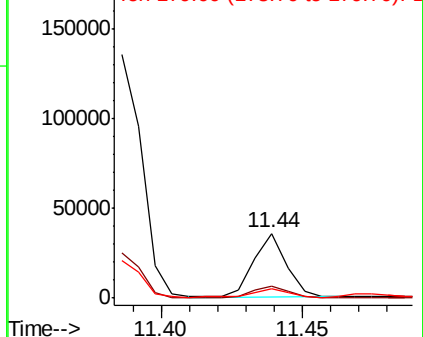
179 14.9 12.5 18.7

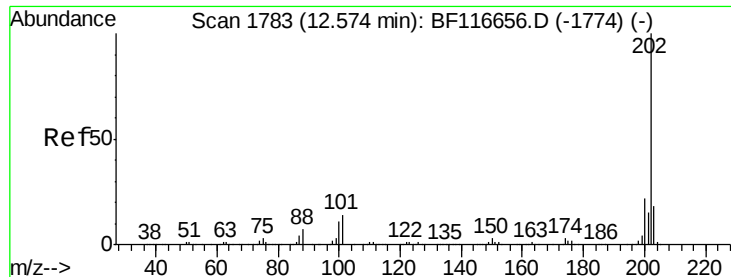


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 6.816 ng

RT: 12.57 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BF116825.D

Acq: 4 Sep 2019 19:36

Instrument :

BNA_F

ClientSampleId :

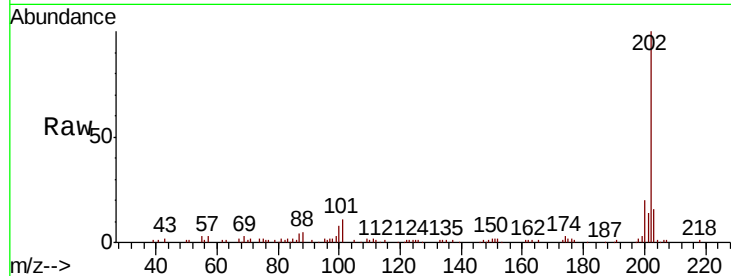
Tot Ion:202 Resp: 76610

Ion Ratio Lower Upper

202 100

101 11.3 0.0 31.3

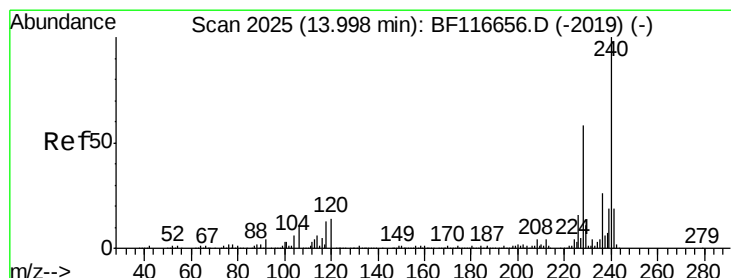
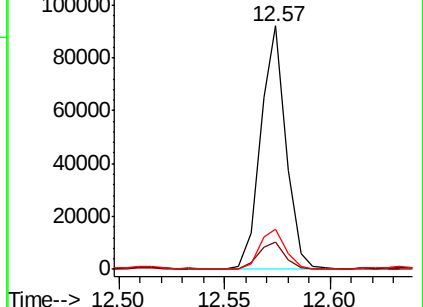
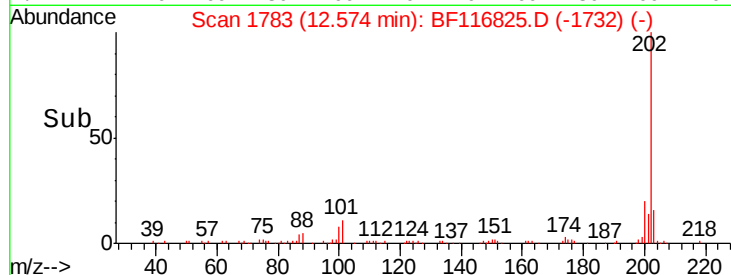
203 16.3 0.0 37.6



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BF116825.D

Acq: 4 Sep 2019 19:36

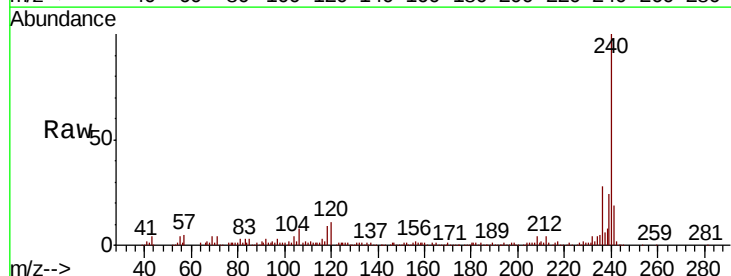
Tgt Ion:240 Resp: 138851

Ion Ratio Lower Upper

240 100

120 10.8 9.1 13.7

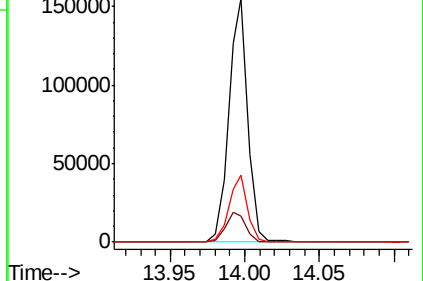
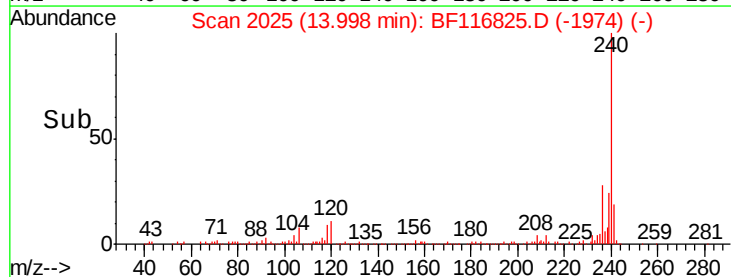
236 27.6 21.1 31.7

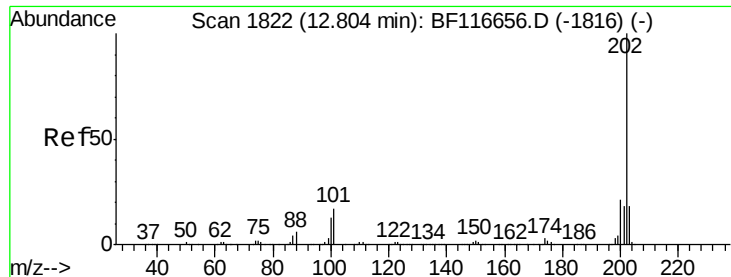


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

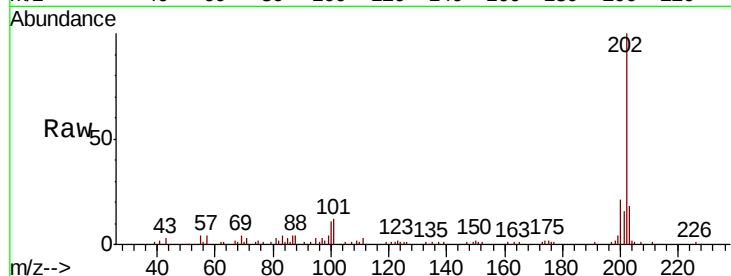




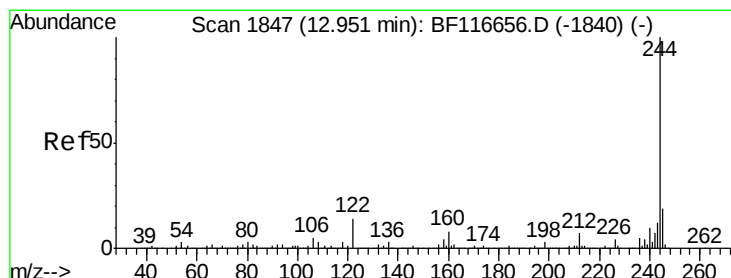
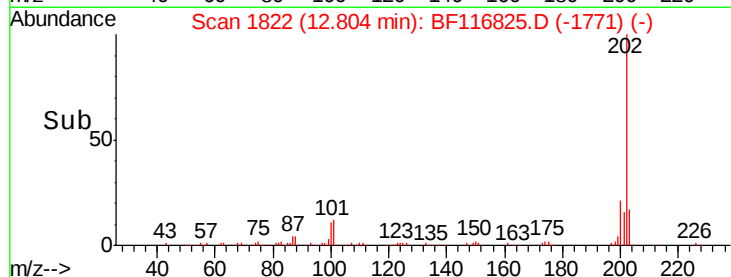
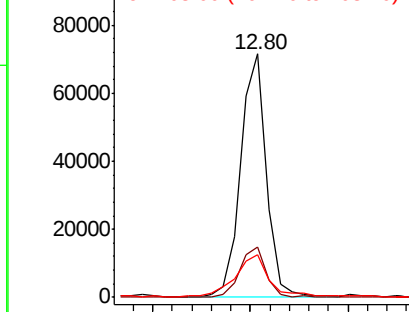
#78
Pvrene
Concen: 5.313 ng
RT: 12.80 min Scan# 1822
Delta R.T. 0.00 min
Lab File: BF116825.D
Acq: 4 Sep 2019 19:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 65574
Ion Ratio Lower Upper
202 100
200 20.6 16.5 24.7
203 17.5 13.7 20.5

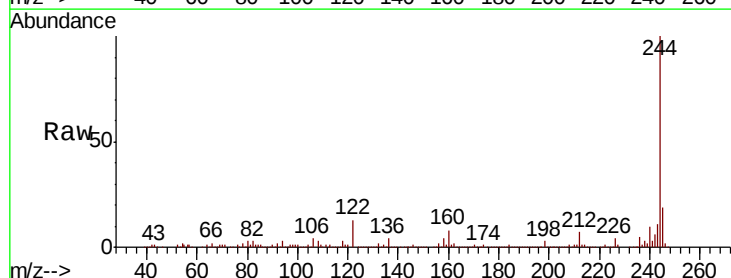


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

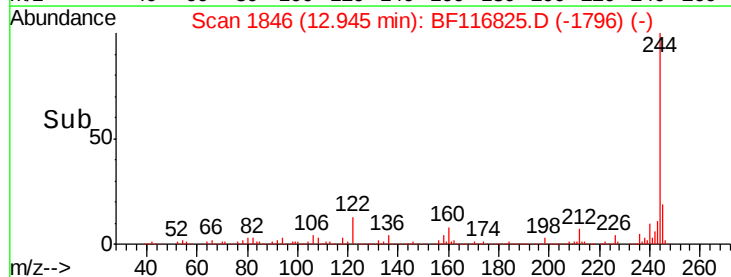
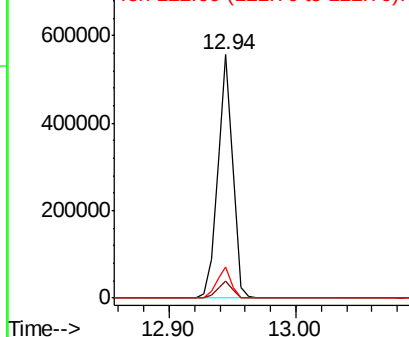


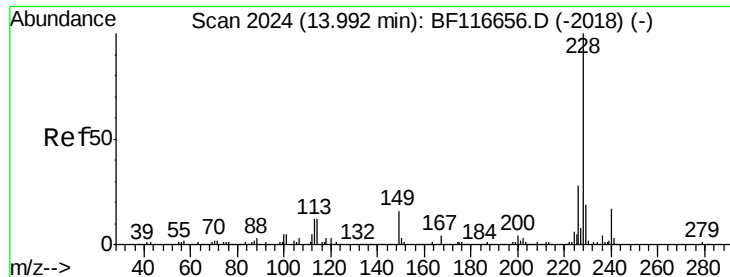
#79
Terphenyl-d14
Concen: 61.706 ng
RT: 12.94 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF116825.D
Acq: 4 Sep 2019 19:36

Tgt Ion:244 Resp: 463144
Ion Ratio Lower Upper
244 100
212 7.0 6.1 9.1
122 12.6 10.2 15.4



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





#81

Benzo(a)anthracene

Concen: 2.326 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF116825.D

Acq: 4 Sep 2019 19:36

Instrument :

BNA_F

ClientSampleId :

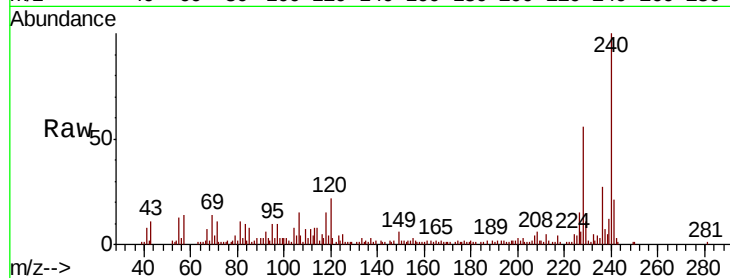
Tot Ion:228 Resp: 20442

Ion Ratio Lower Upper

228 100

226 27.5 22.0 33.0

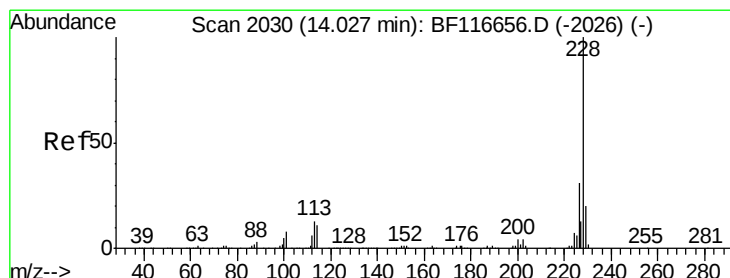
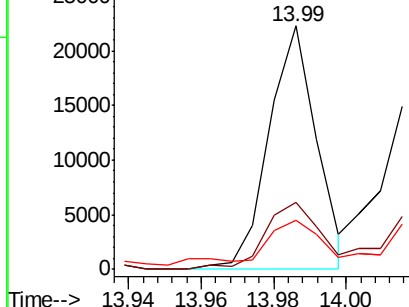
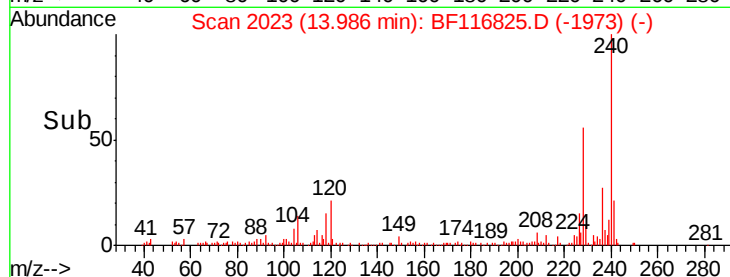
229 20.4 16.4 24.6



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



#83

Chrysene

Concen: 2.258 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.04 min

Lab File: BF116825.D

Acq: 4 Sep 2019 19:36

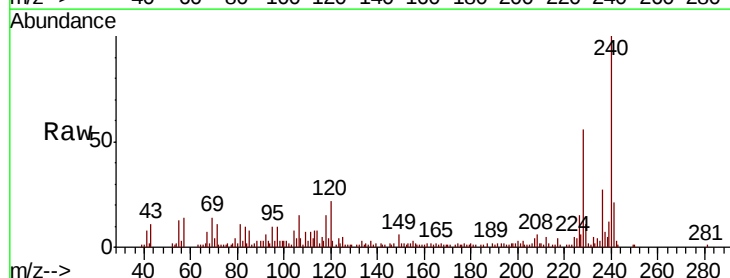
Tgt Ion:228 Resp: 20442

Ion Ratio Lower Upper

228 100

226 27.5 24.0 36.0

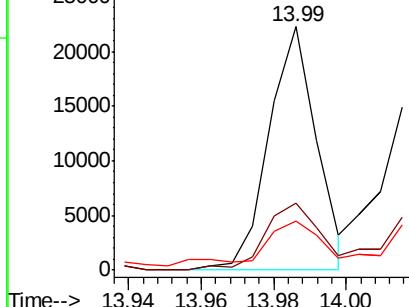
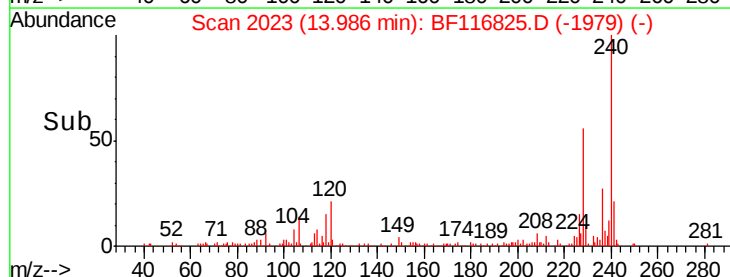
229 20.4 15.4 23.0

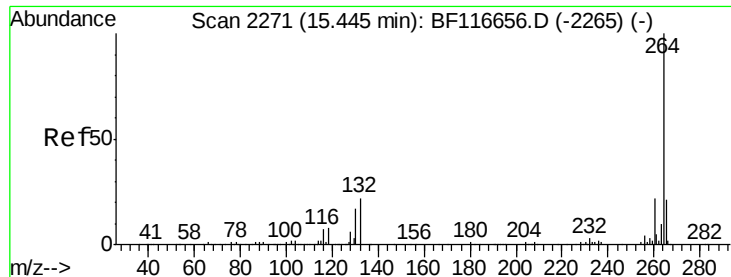


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

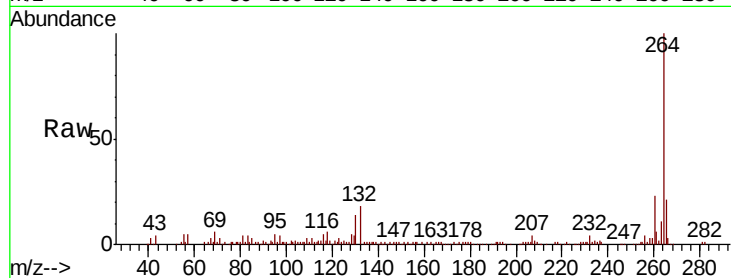




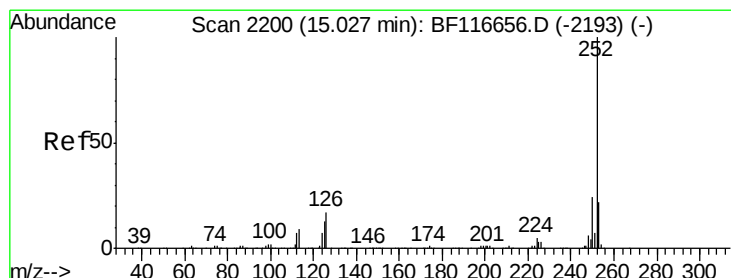
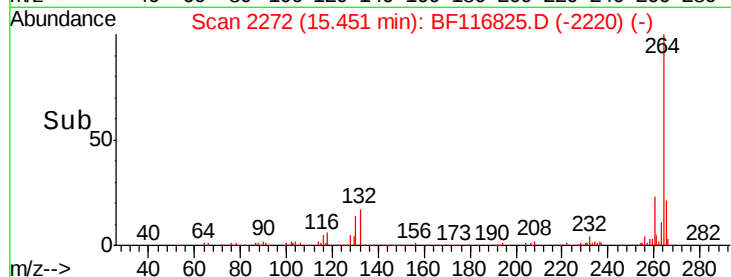
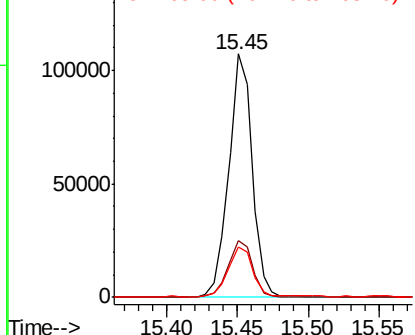
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.01 min
Lab File: BF116825.D
Acq: 4 Sep 2019 19:36

Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 124455
Ion Ratio Lower Upper
264 100
260 23.1 18.3 27.5
265 20.8 16.5 24.7

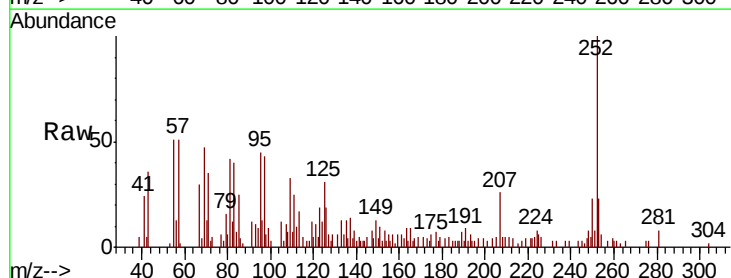


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

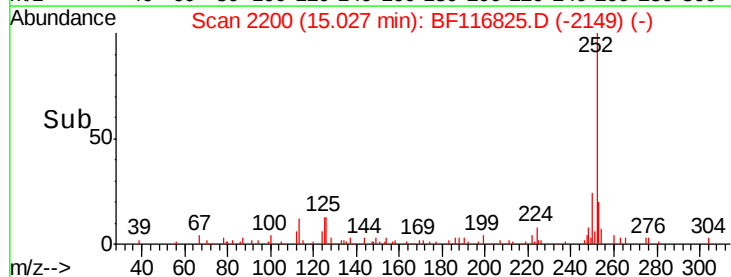
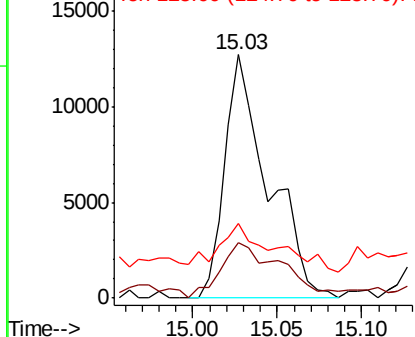


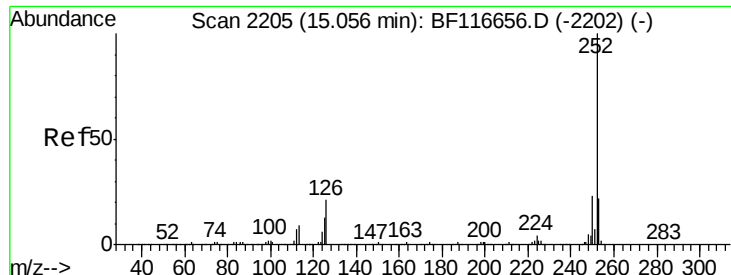
#88
Benzo(b)fluoranthene
Concen: 3.037 ng
RT: 15.03 min Scan# 2200
Delta R.T. 0.00 min
Lab File: BF116825.D
Acq: 4 Sep 2019 19:36

Tgt Ion:252 Resp: 22850
Ion Ratio Lower Upper
252 100
253 22.7 17.7 26.5
125 30.5 8.2 12.2#



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

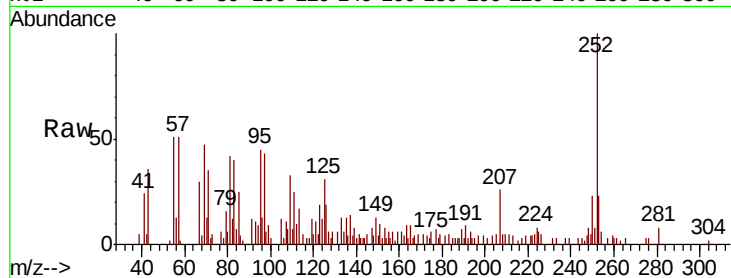




#89
 Benzo(k)fluoranthene
 Concen: 3.331 ng
 RT: 15.03 min Scan# 2200
 Delta R.T. -0.03 min
 Lab File: BF116825.D
 Acq: 4 Sep 2019 19:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.7	26.5
125	30.5	8.6	13.0



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

