

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090419\
 Data File : BF116806.D
 Acq On : 4 Sep 2019 11:03
 Operator : HP/JU
 Sample : K4623-08
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 05 02:04:07 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	65743	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	263202	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	138028	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	225095	20.00	ng	0.00
76) Chrysene-d12	13.99	240	187990	20.00	ng	0.00
87) Perylene-d12	15.44	264	183698	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	434878	107.16	ng	0.00
7) Phenol-d6	6.47	99	596139	111.87	ng	0.00
23) Nitrobenzene-d5	7.40	82	366033	79.39	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	127760	138.46	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	518343	63.35	ng	-0.01
79) Terphenyl-d14	12.95	244	508430	50.03	ng	0.00

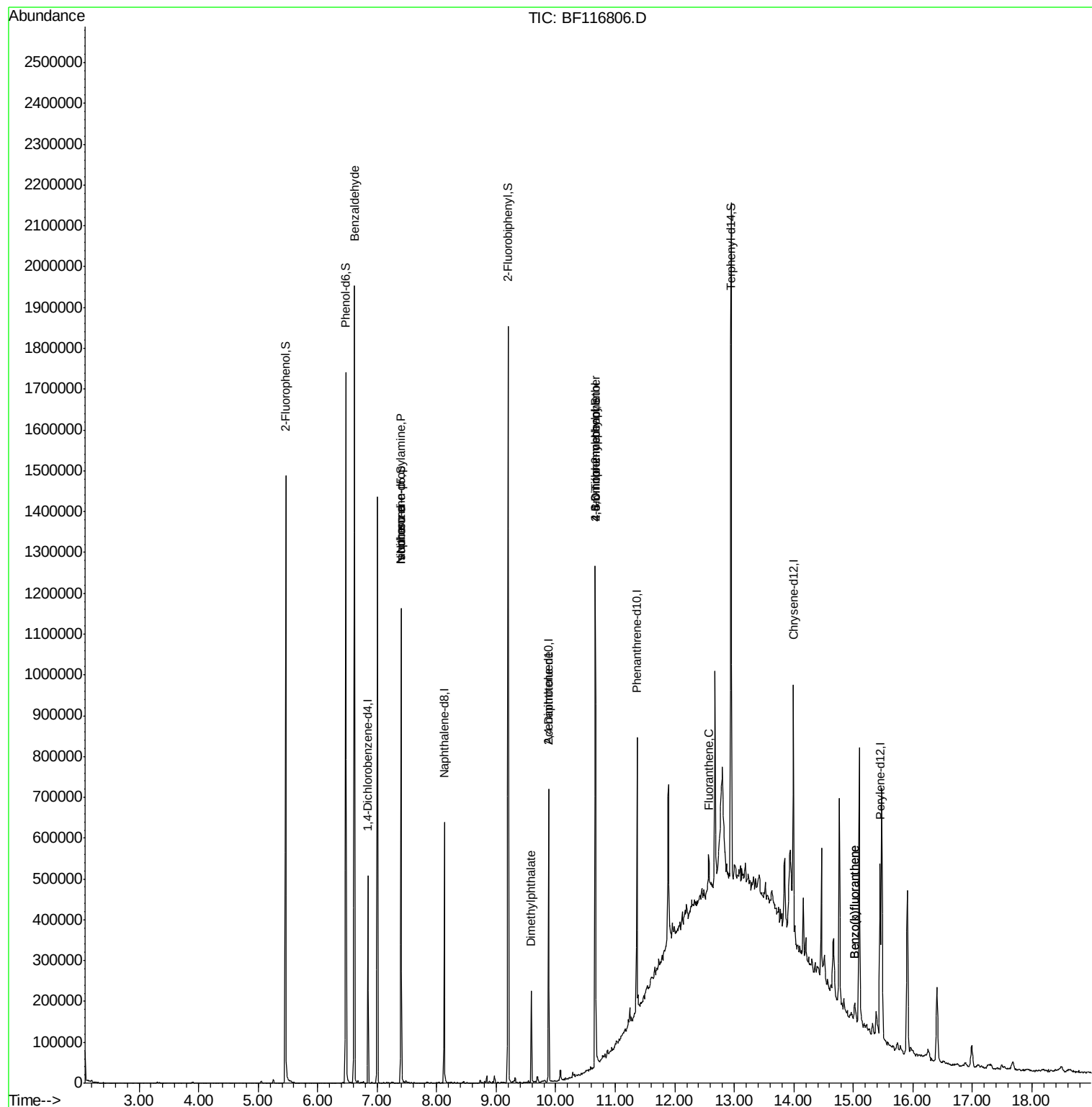
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.62	77	11242	3.202	ng	85
19) n-Nitroso-di-n-propylamine	7.40	70	48297	13.765	ng	# 72
25) Isophorone	7.40	82	366029	39.179	ng	# 66
50) Dimethylphthalate	9.59	163	90562	9.503	ng	99
57) 2,4-Dinitrotoluene	9.88	165	17028	7.659	ng	# 20
65) 4,6-Dinitro-2-methylphenol	10.66	198	288	7.745	ng	# 1
67) 4-Bromophenyl-phenylether	10.66	248	8560	3.743	ng	# 1
75) Fluoranthene	12.57	202	29494	2.395	ng	85
88) Benzo(b)fluoranthene	15.02	252	25205	2.269	ng	# 94
89) Benzo(k)fluoranthene	15.02	252	25205	2.489	ng	# 95

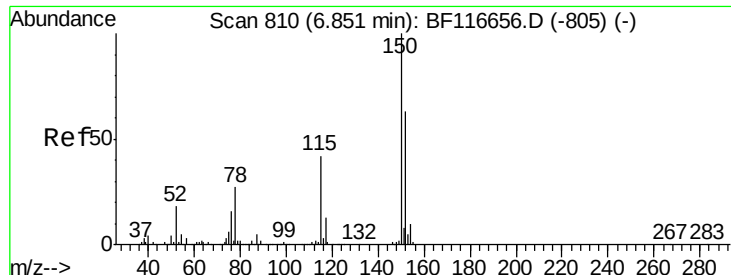
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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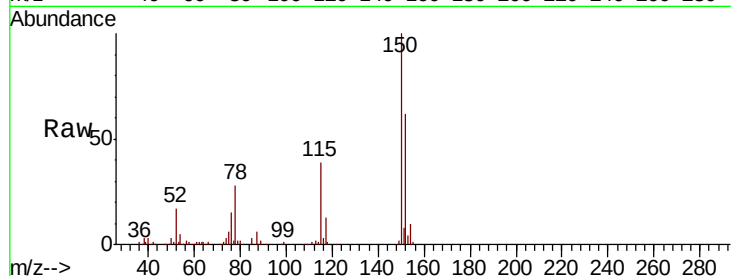


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116806.D
Acq: 4 Sep 2019 11:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.6	124.4	186.6
115	62.8	49.9	74.9

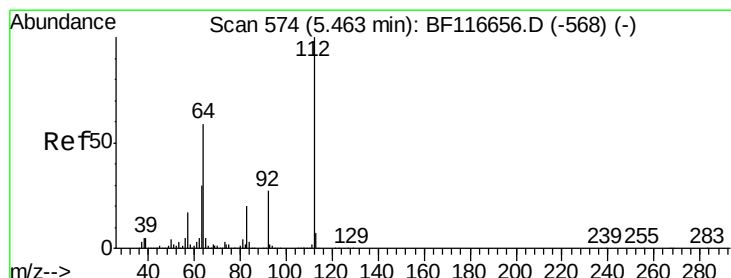
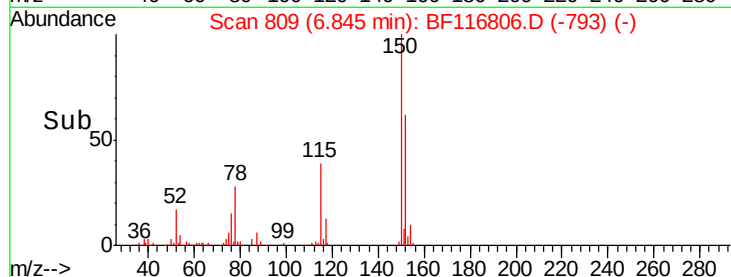
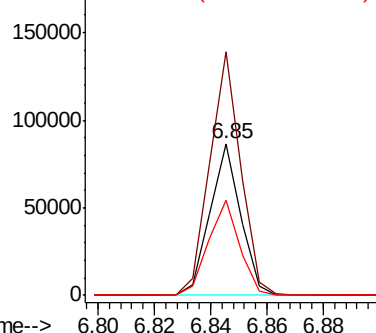


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

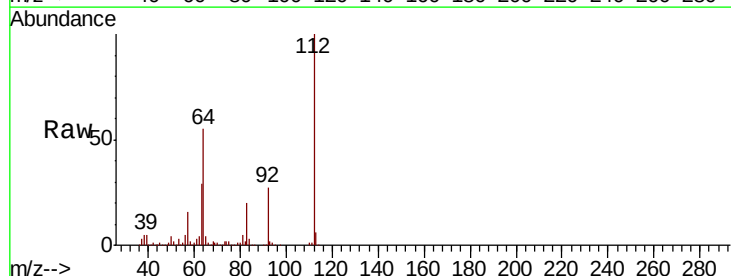
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 107.164 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.00 min
Lab File: BF116806.D
Acq: 4 Sep 2019 11:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.2	47.1	70.7
63	28.7	24.9	37.3

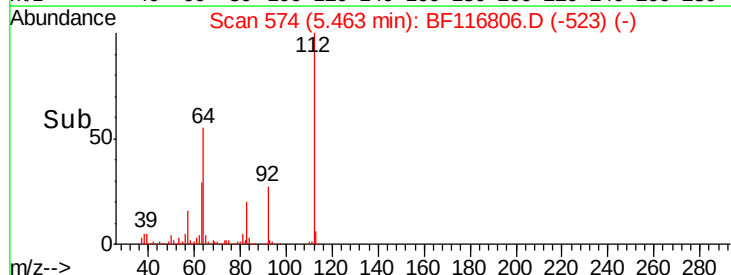
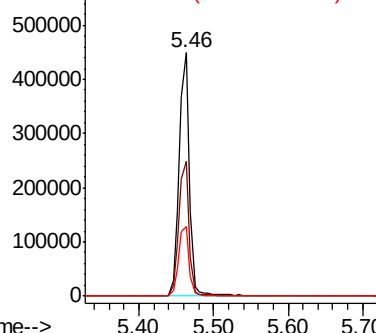


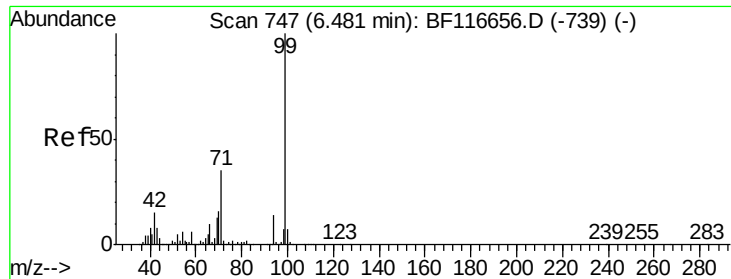
Abundance

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: 111.873 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116806.D

Acq: 4 Sep 2019 11:03

Instrument :

BNA_F

ClientSampled :

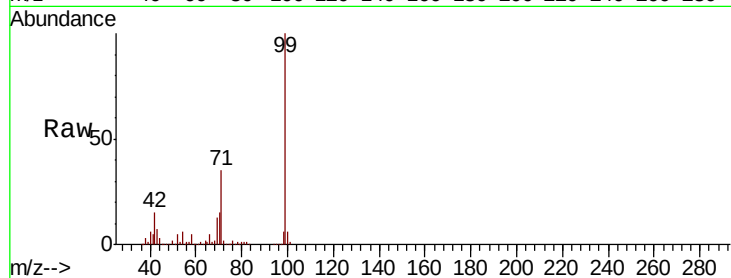
Tot Ion: 99 Resp: 596139

Ion Ratio Lower Upper

99 100

42 14.7 13.7 20.5

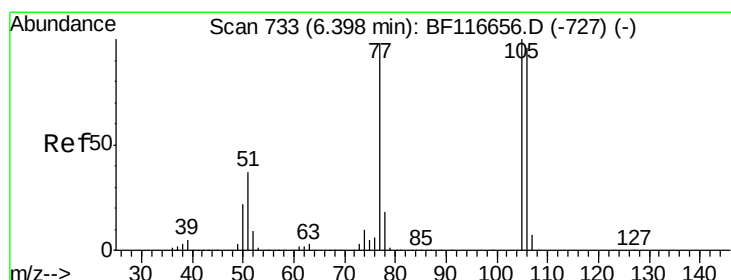
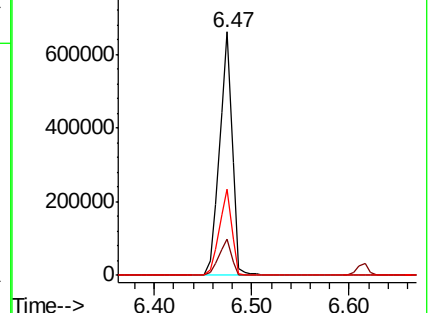
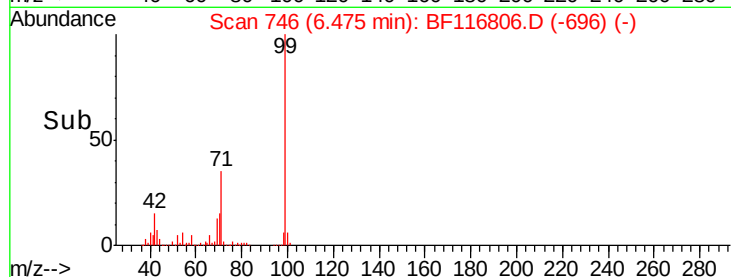
71 35.2 30.8 46.2



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



#9

Benzaldehyde

Concen: 3.202 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.22 min

Lab File: BF116806.D

Acq: 4 Sep 2019 11:03

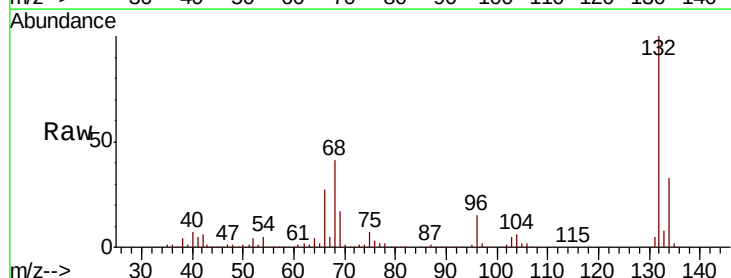
Tgt Ion: 77 Resp: 11242

Ion Ratio Lower Upper

77 100

105 78.9 76.7 116.7

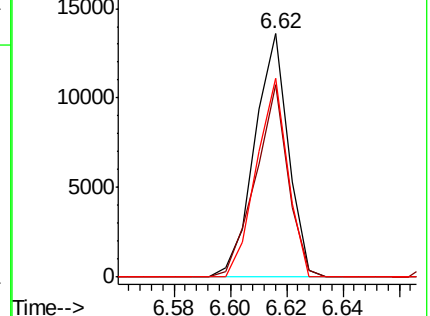
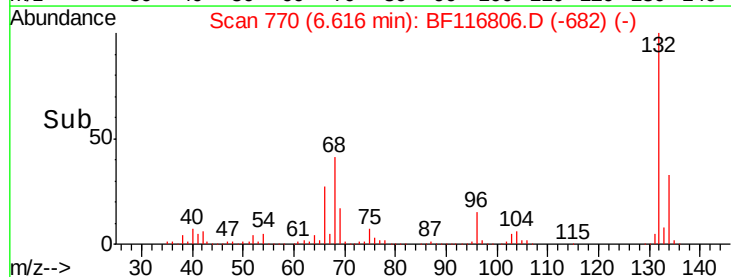
106 81.9 73.1 113.1

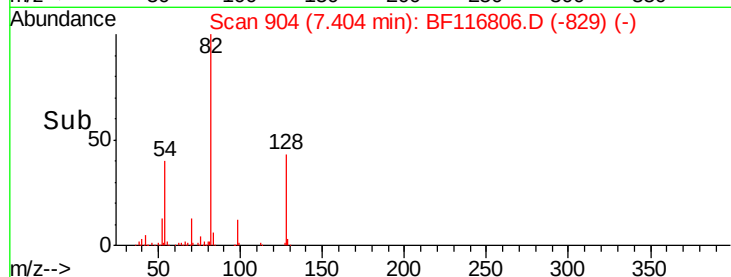
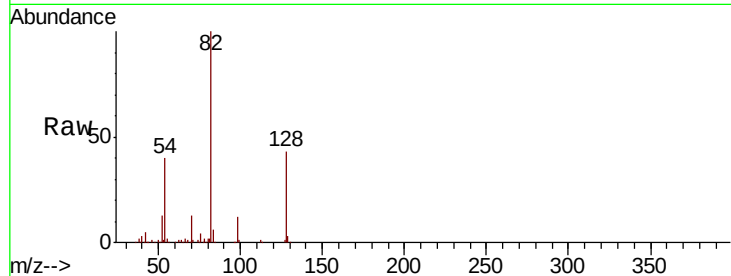
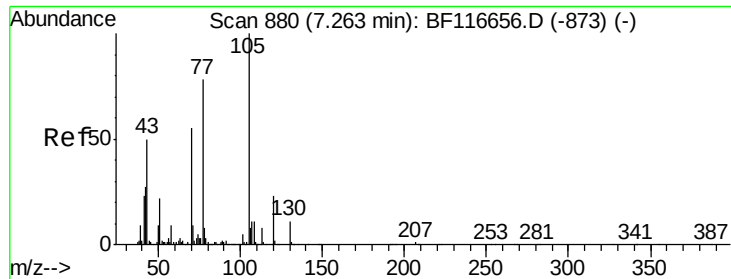


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

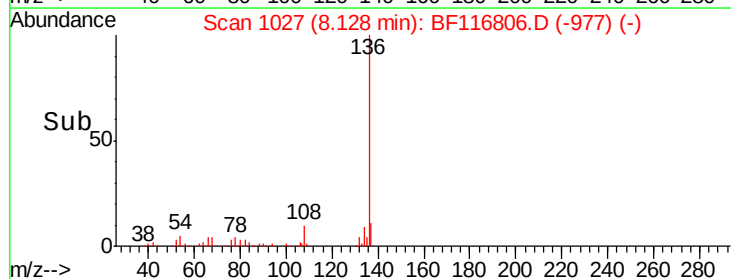
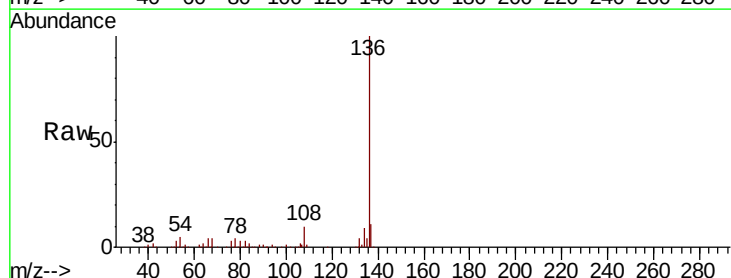
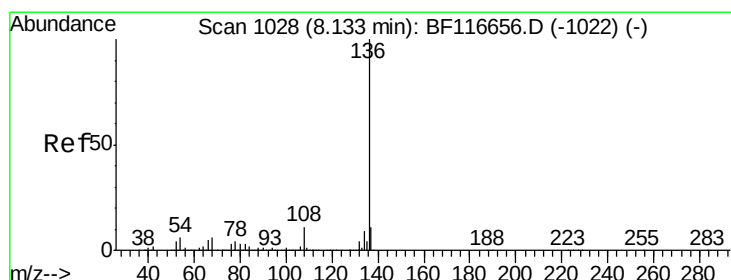
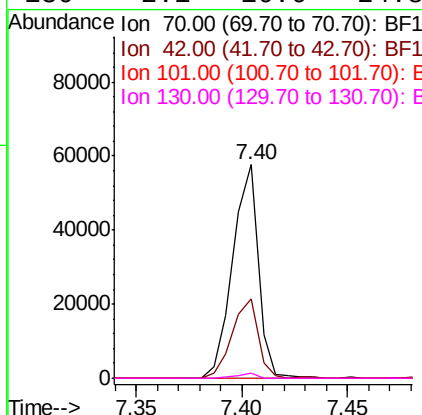




#19
n-Nitroso-di-n-propylamine
Concen: 13.765 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.14 min
Lab File: BF116806.D
Acq: 4 Sep 2019 11:03

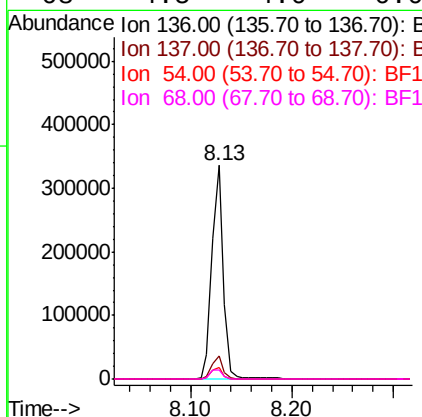
Instrument :
BNA_F
ClientSampleId :

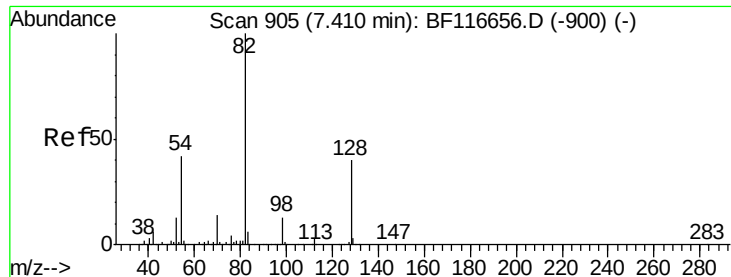
Tot Ion:	70	Resp:	48297
Ion	Ratio	Lower	Upper
70	100		
42	37.2	43.5	65.3#
101	0.0	7.8	11.6#
130	2.1	16.6	24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116806.D
Acq: 4 Sep 2019 11:03

Tgt Ion:	136	Resp:	263202
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	5.1	4.8	7.2
68	4.5	4.0	6.0





#23

Nitrobenzene-d5

Concen: 79.391 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF116806.D

Acq: 4 Sep 2019 11:03

Instrument :

BNA_F

ClientSampled :

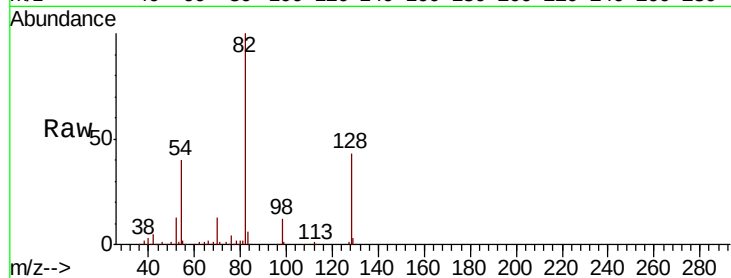
Tot Ion: 82 Resp: 366033

Ion Ratio Lower Upper

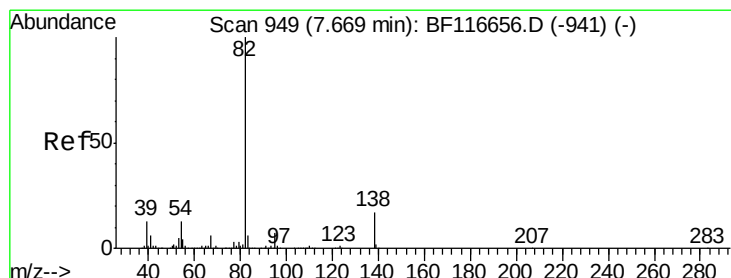
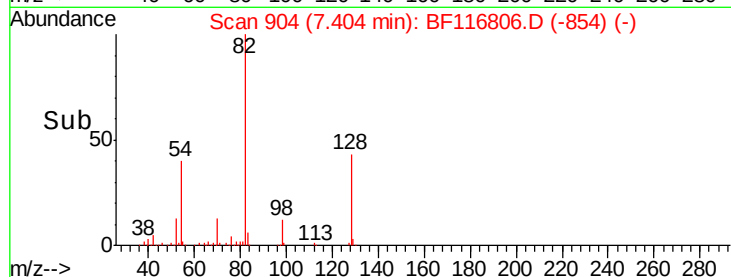
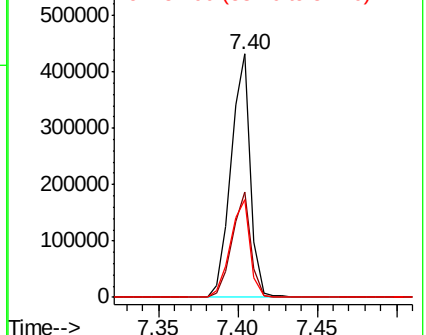
82 100

128 43.0 32.8 49.2

54 40.3 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: 39.179 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.26 min

Lab File: BF116806.D

Acq: 4 Sep 2019 11:03

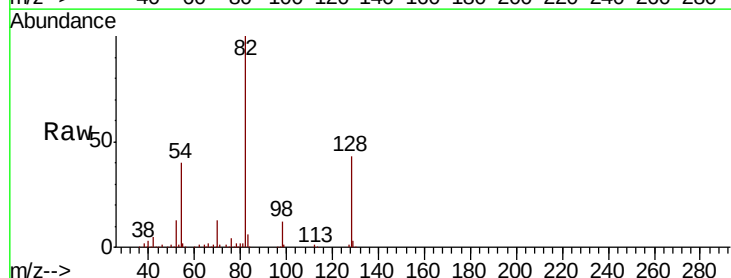
Tgt Ion: 82 Resp: 366029

Ion Ratio Lower Upper

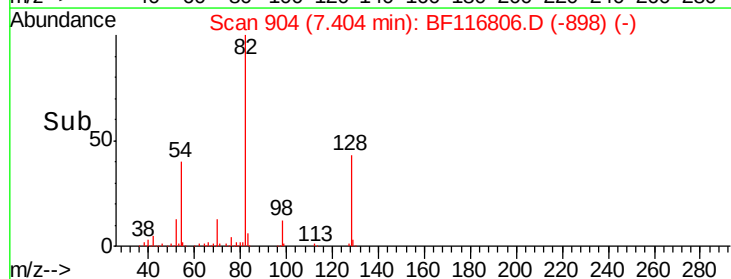
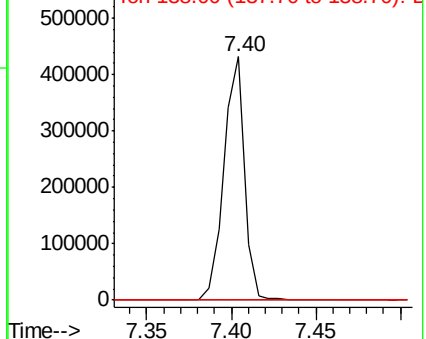
82 100

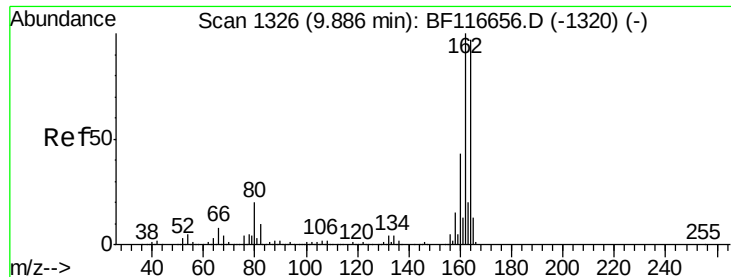
95 0.0 5.8 8.6#

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

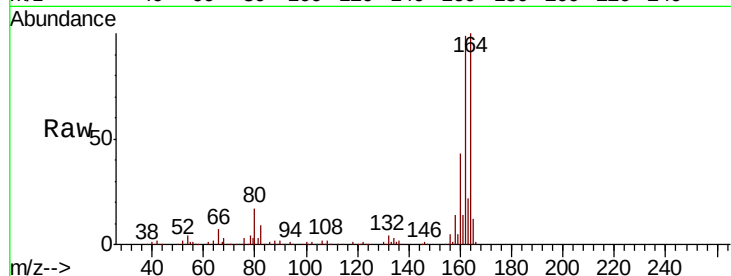




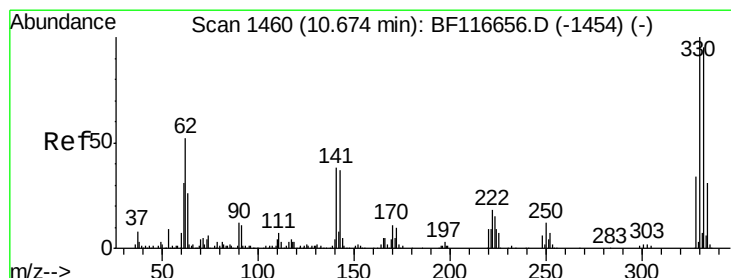
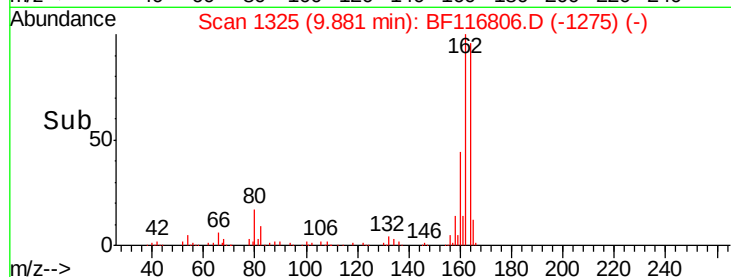
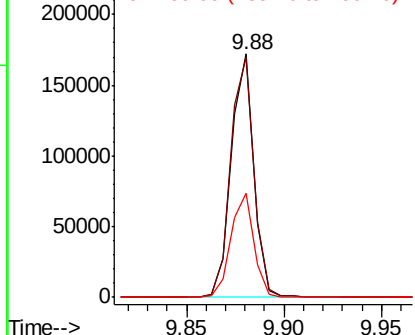
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116806.D
Acq: 4 Sep 2019 11:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 138028
Ion Ratio Lower Upper
164 100
162 98.5 81.4 122.0
160 42.9 35.4 53.2

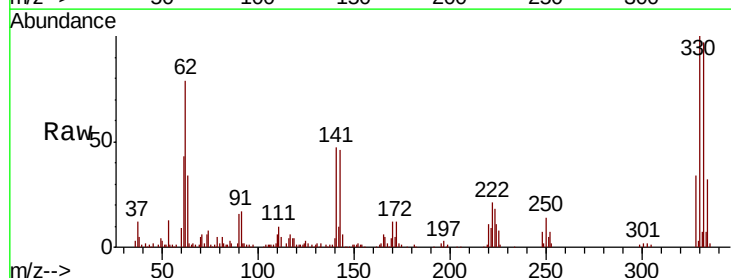


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

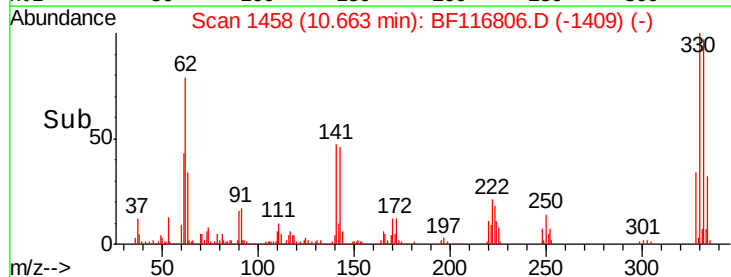
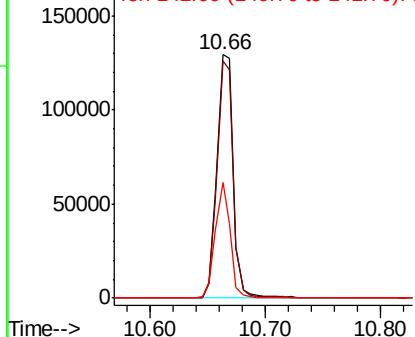


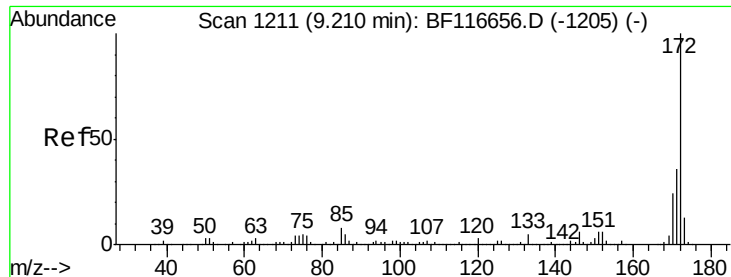
#42
2,4,6-Tribromophenol
Concen: 138.456 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.01 min
Lab File: BF116806.D
Acq: 4 Sep 2019 11:03

Tgt Ion:330 Resp: 127760
Ion Ratio Lower Upper
330 100
332 95.9 76.9 115.3
141 43.1 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

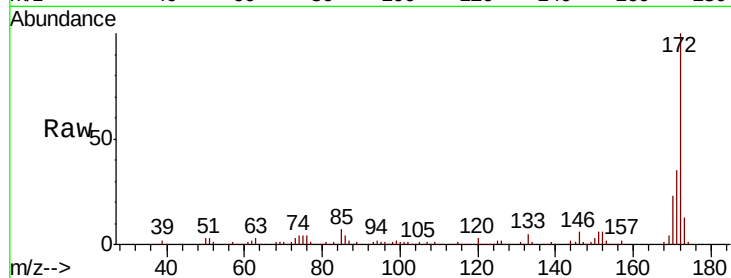




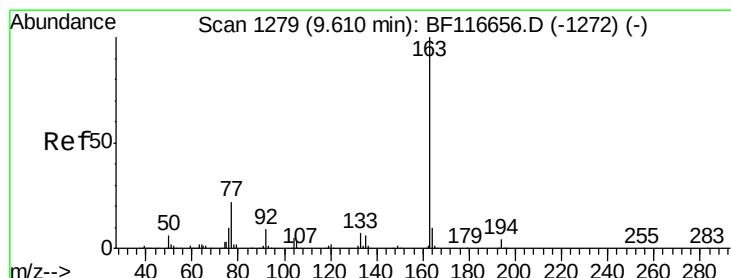
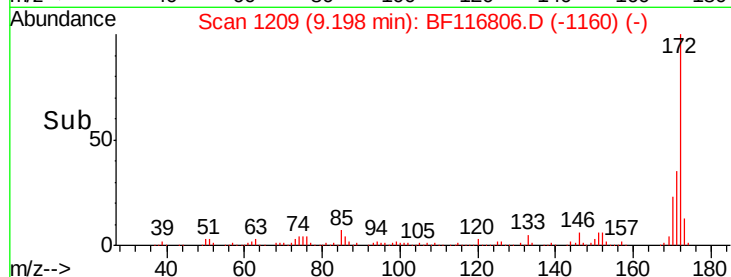
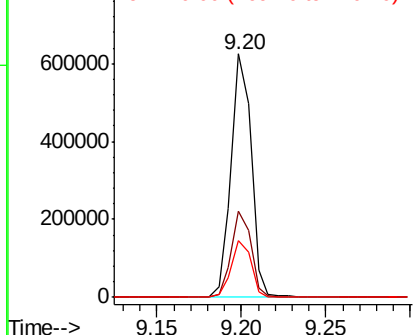
#45
2-Fluorobiphenyl
Concen: 63.349 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BF116806.D
Acq: 4 Sep 2019 11:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 518343
Ion Ratio Lower Upper
172 100
171 35.3 27.8 41.6
170 23.3 18.9 28.3

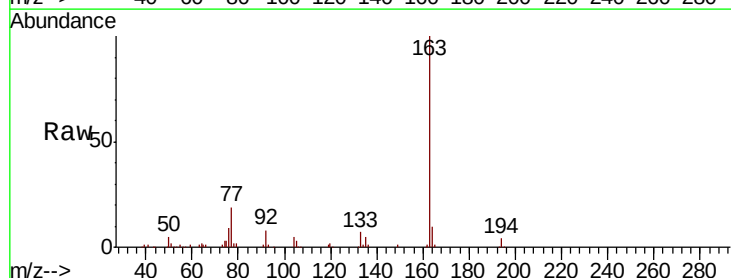


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

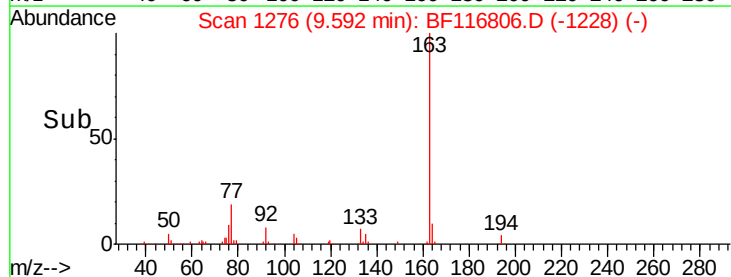
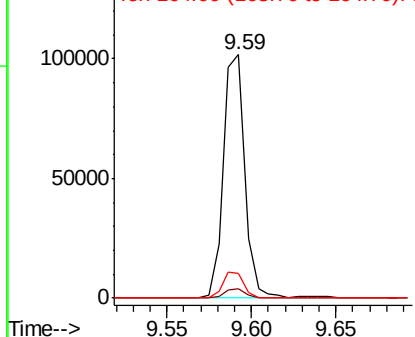


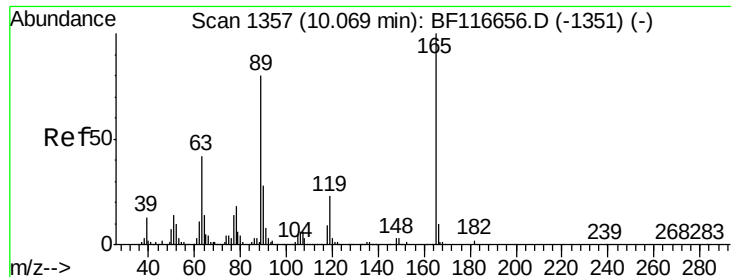
#50
Dimethylphthalate
Concen: 9.503 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116806.D
Acq: 4 Sep 2019 11:03

Tgt Ion:163 Resp: 90562
Ion Ratio Lower Upper
163 100
194 4.1 2.8 4.2
164 10.3 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

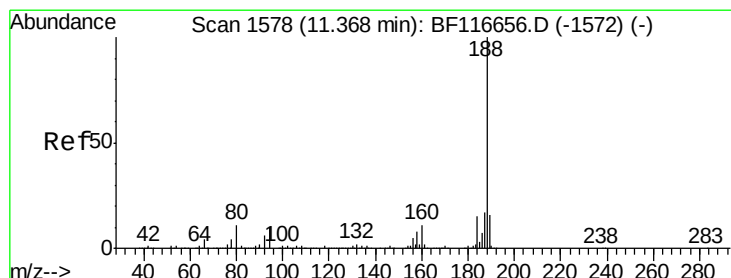
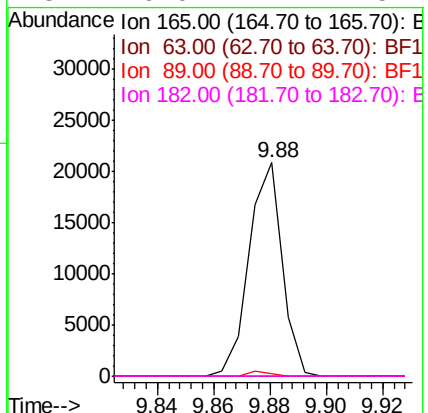
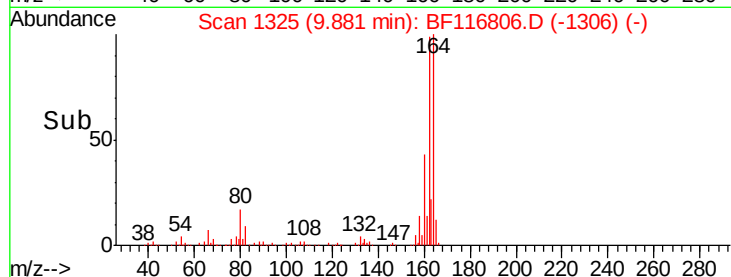
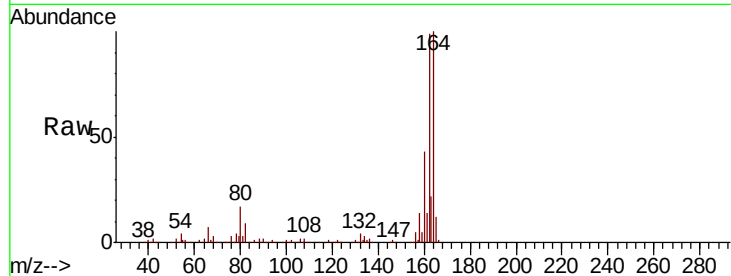




#57
 2,4-Dinitrotoluene
 Concen: 7.659 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.19 min
 Lab File: BF116806.D
 Acq: 4 Sep 2019 11:03

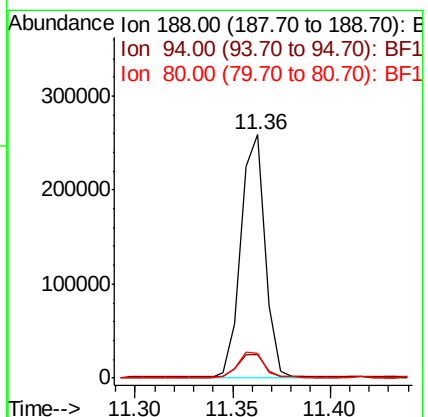
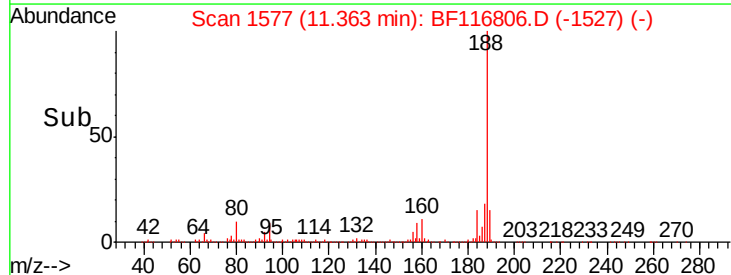
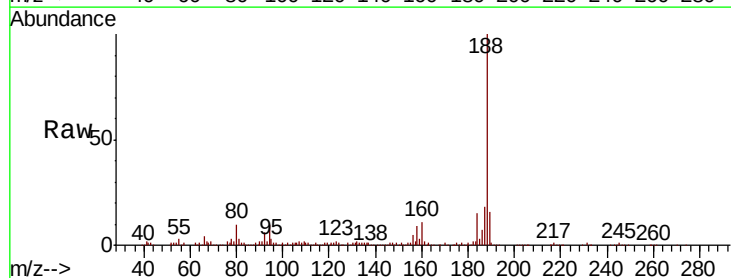
Instrument :
 BNA_F
 ClientSampleId :

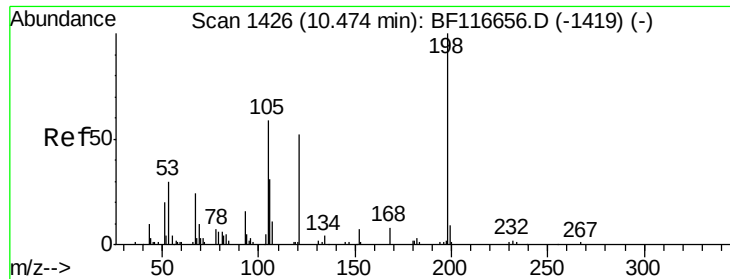
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.4	62.6	94.0#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF116806.D
 Acq: 4 Sep 2019 11:03

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.7	7.3	10.9
80	10.1	8.4	12.6

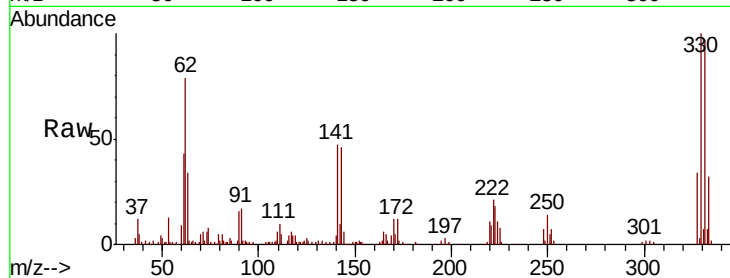




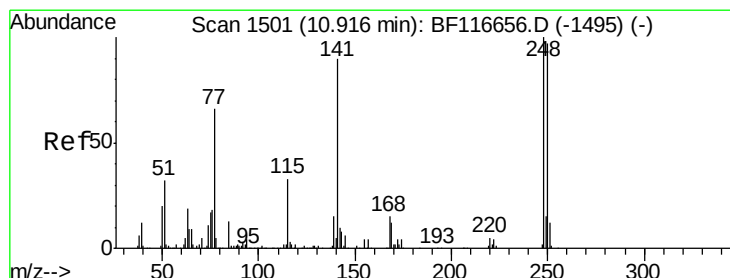
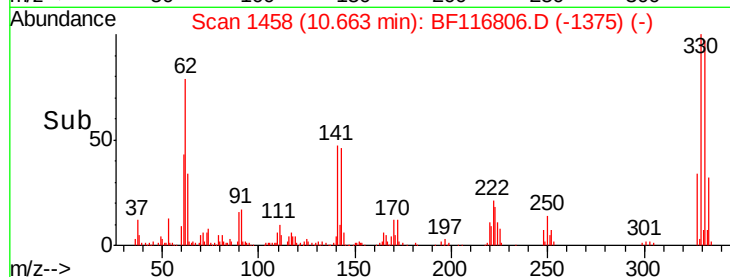
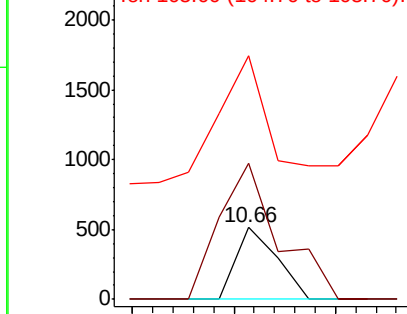
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.745 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. 0.19 min
 Lab File: BF116806.D
 Acq: 4 Sep 2019 11:03

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:198 Resp: 288
 Ion Ratio Lower Upper
 198 100
 51 189.1 18.4 58.4#
 105 338.4 22.9 62.9#

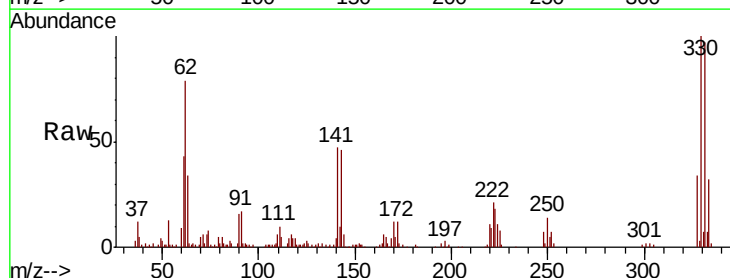


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

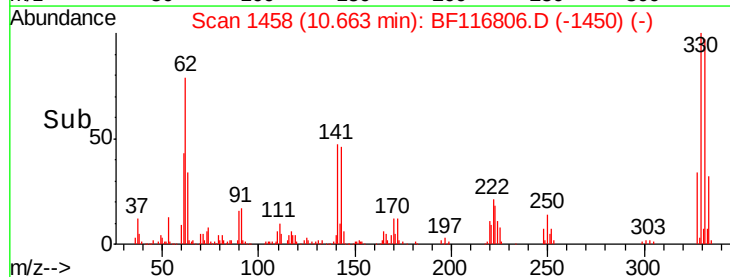
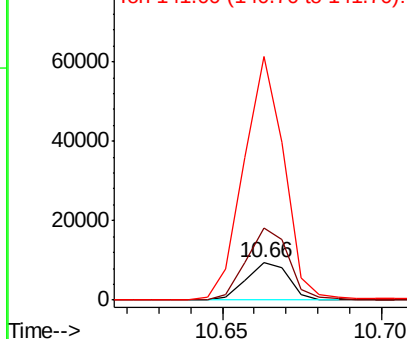


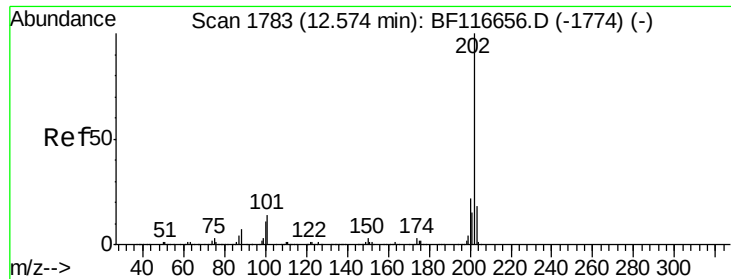
#67
 4-Bromophenyl-phenylether
 Concen: 3.743 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.25 min
 Lab File: BF116806.D
 Acq: 4 Sep 2019 11:03

Tgt Ion:248 Resp: 8560
 Ion Ratio Lower Upper
 248 100
 250 193.9 77.8 116.8#
 141 653.9 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





#75

Fluoranthene

Concen: 2.395 ng

RT: 12.57 min Scan# 1782

Delta R.T. -0.01 min

Lab File: BF116806.D

Acq: 4 Sep 2019 11:03

Instrument :

BNA_F

ClientSampleId :

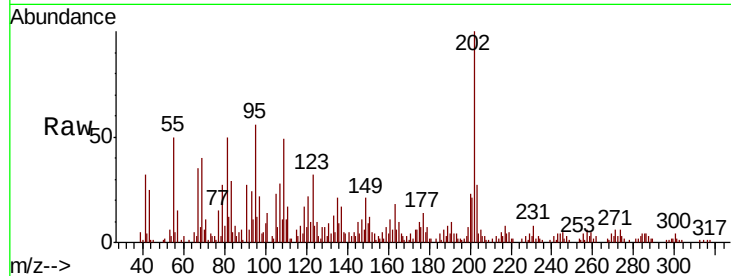
Tot Ion:202 Resp: 29494

Ion Ratio Lower Upper

202 100

101 13.5 0.0 31.3

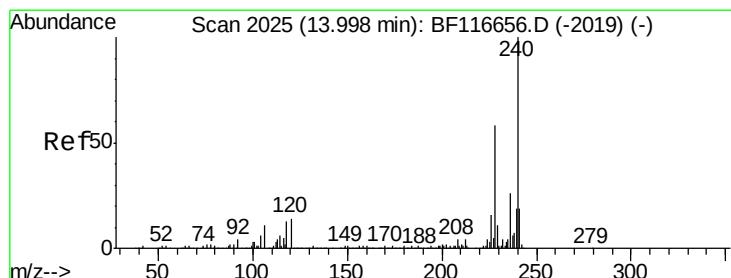
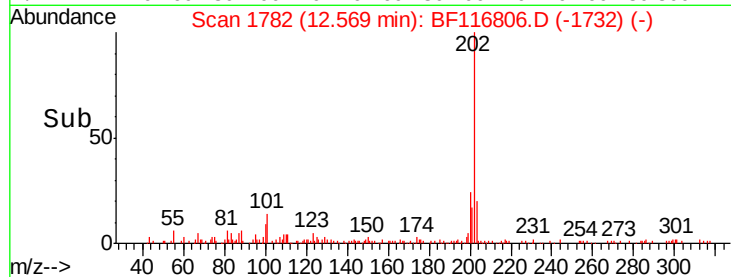
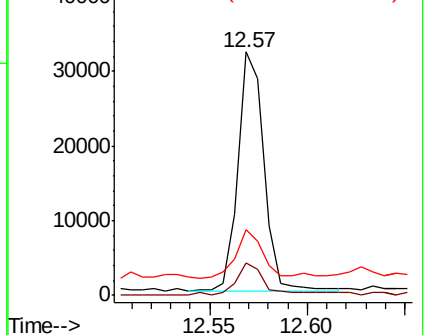
203 27.1 0.0 37.6



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: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF116806.D

Acq: 4 Sep 2019 11:03

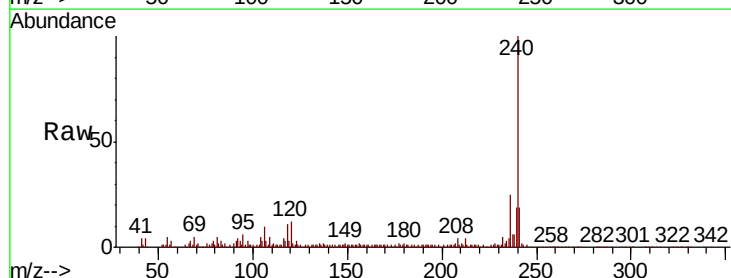
Tgt Ion:240 Resp: 187990

Ion Ratio Lower Upper

240 100

120 12.5 9.1 13.7

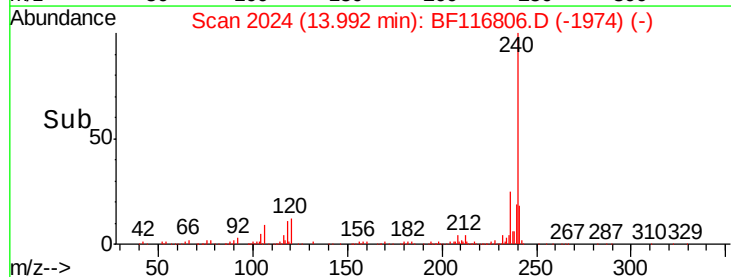
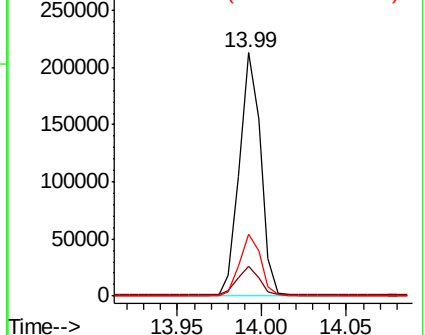
236 25.5 21.1 31.7

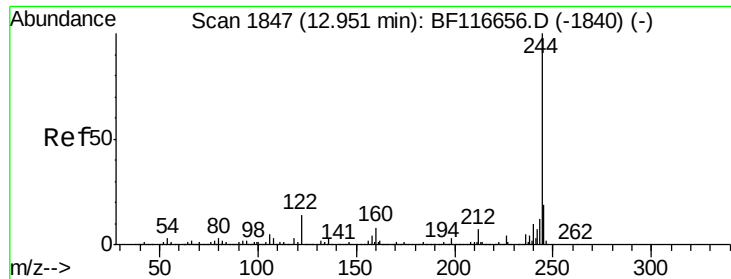


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 50.033 ng

RT: 12.95 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF116806.D

Acq: 4 Sep 2019 11:03

Instrument :

BNA_F

ClientSampleId :

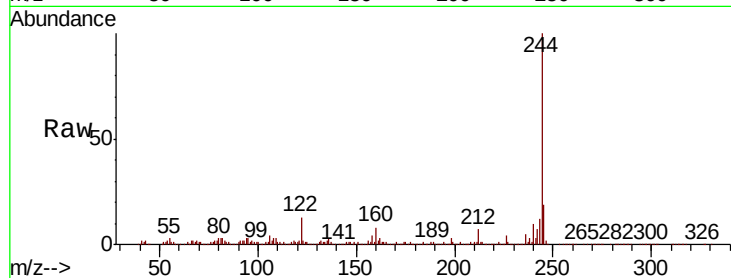
Tot Ion:244 Resp: 508430

Ion Ratio Lower Upper

244 100

212 6.9 6.1 9.1

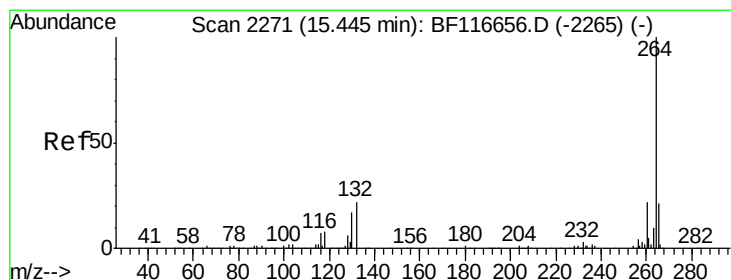
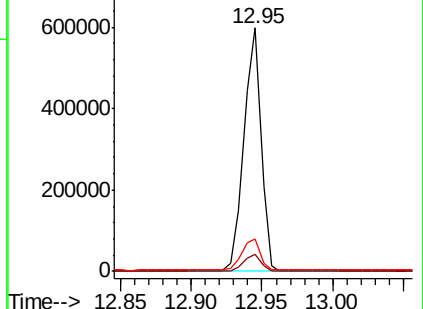
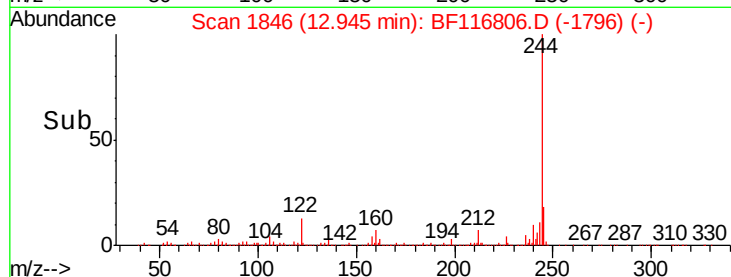
122 13.1 10.2 15.4



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2271

Delta R.T. 0.00 min

Lab File: BF116806.D

Acq: 4 Sep 2019 11:03

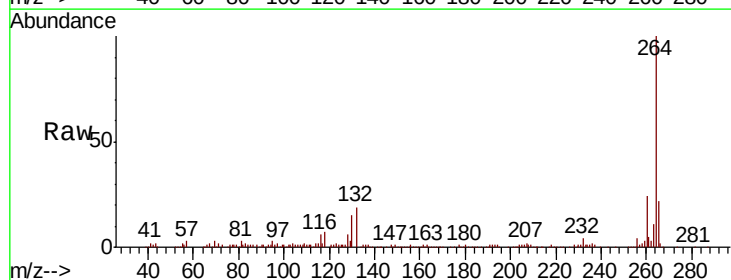
Tgt Ion:264 Resp: 183698

Ion Ratio Lower Upper

264 100

260 23.5 18.3 27.5

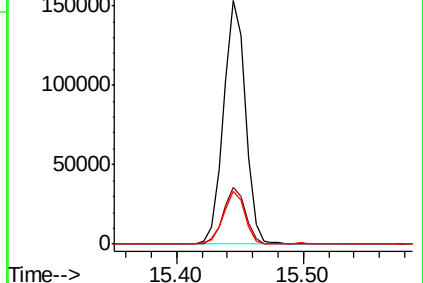
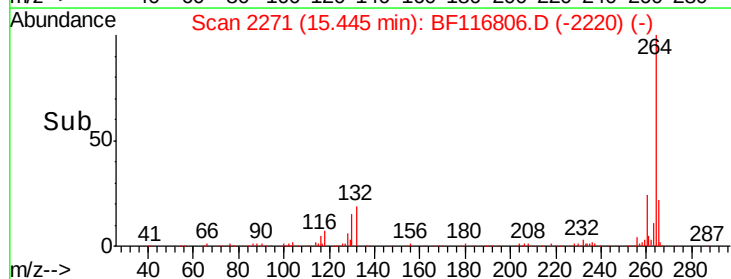
265 21.7 16.5 24.7

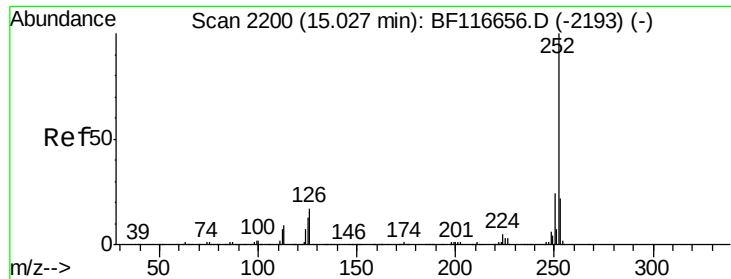


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

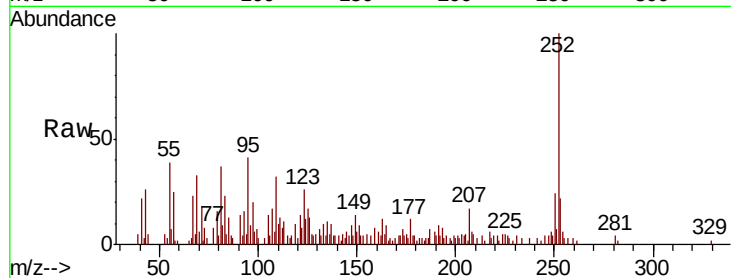




#88
Benzo(b)fluoranthene
Concen: 2.269 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF116806.D
Acq: 4 Sep 2019 11:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	16.8	8.2	12.2

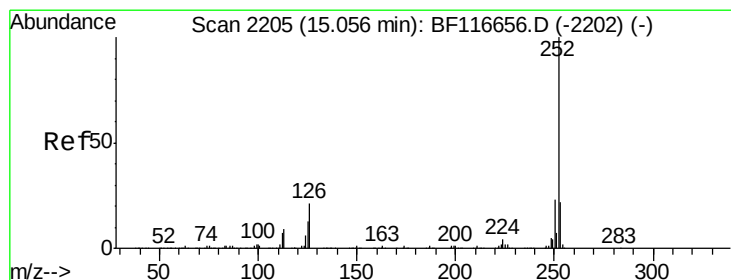
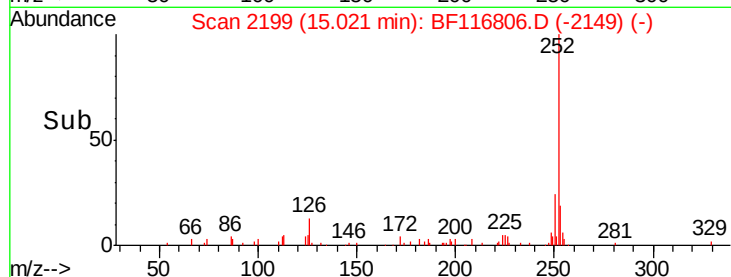
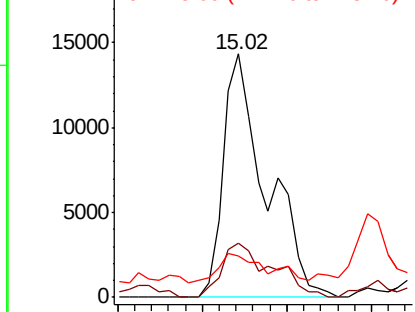


Abundance

Ion 252.00 (251.70 to 252.70): E

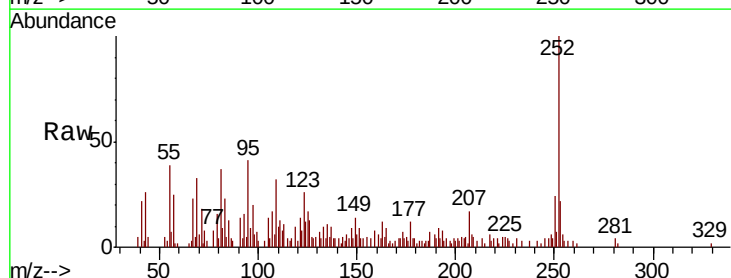
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 2.489 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.04 min
Lab File: BF116806.D
Acq: 4 Sep 2019 11:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	16.8	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

