

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091019\
 Data File : BF116930.D
 Acq On : 10 Sep 2019 19:21
 Operator : HP/JU
 Sample : K4789-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 11 01:01:24 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 10 17:49:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	81429	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	324963	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	164913	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	265585	20.00	ng	0.00
76) Chrysene-d12	13.98	240	157159	20.00	ng	0.00
87) Perylene-d12	15.43	264	163136	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	599942	119.36	ng	0.01
7) Phenol-d6	6.47	99	812051	123.04	ng	0.00
23) Nitrobenzene-d5	7.39	82	504338	88.60	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	137718	124.92	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	882304	90.25	ng	0.00
79) Terphenyl-d14	12.93	244	798459	93.99	ng	0.00

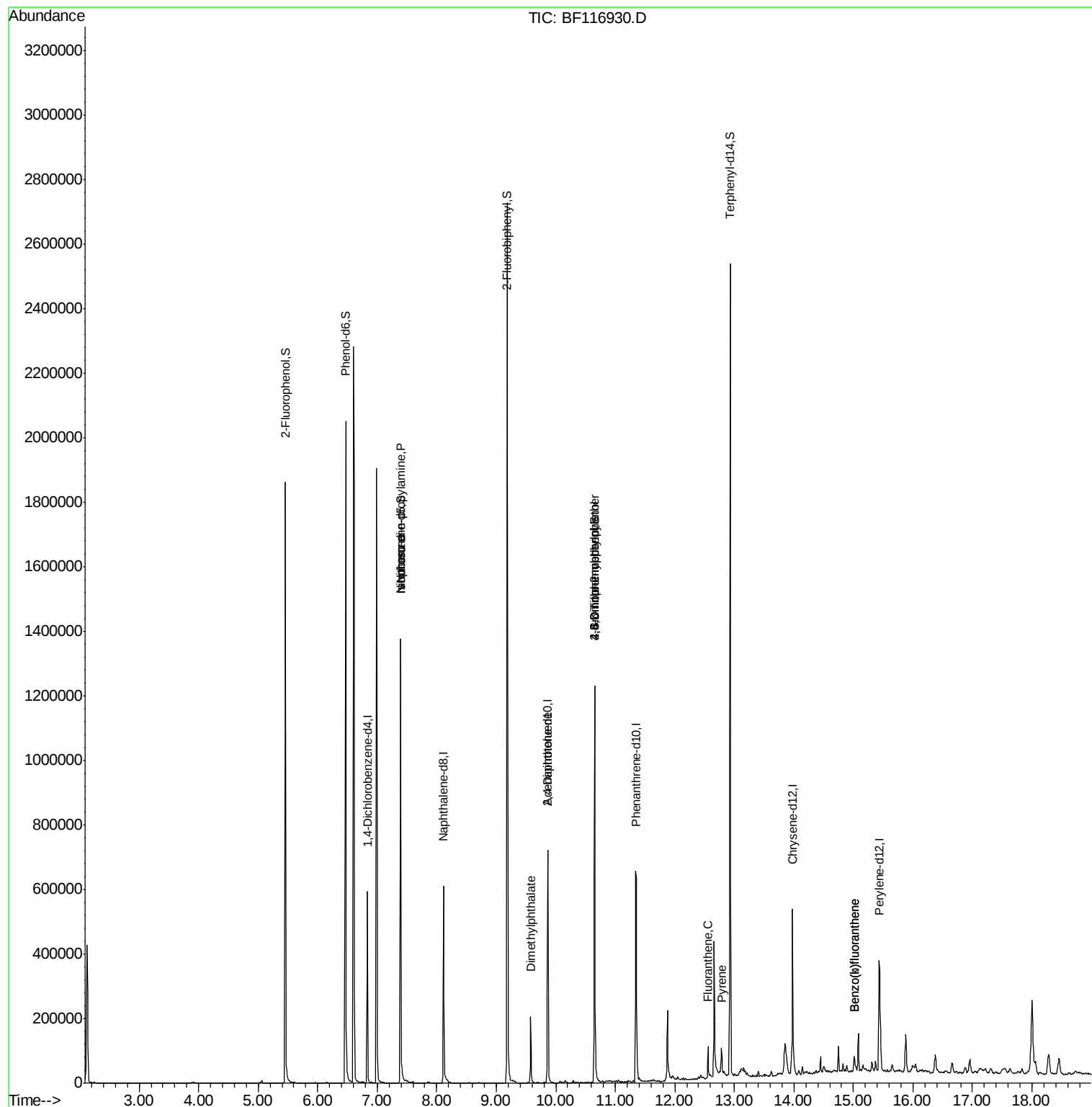
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	67187	15.461	ng	# 72
25) Isophorone	7.39	82	504335	43.723	ng	# 66
50) Dimethylphthalate	9.58	163	96362	8.464	ng	98
57) 2,4-Dinitrotoluene	9.86	165	21490	8.091	ng	# 20
65) 4,6-Dinitro-2-methylphenol	10.65	198	134	7.567	ng	# 1
67) 4-Bromophenyl-phenylether	10.65	248	9184	3.404	ng	# 1
75) Fluoranthene	12.56	202	39004	2.685	ng	97
78) Pyrene	12.79	202	33727	2.414	ng	98
88) Benzo(b)fluoranthene	15.02	252	30159	3.058	ng	# 92
89) Benzo(k)fluoranthene	15.02	252	30159	3.354	ng	# 92

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091019\
Data File : BF116930.D
Acq On : 10 Sep 2019 19:21
Operator : HP/JU
Sample : K4789-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Sep 11 01:01:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 17:49:40 2019
Response via : Initial Calibration



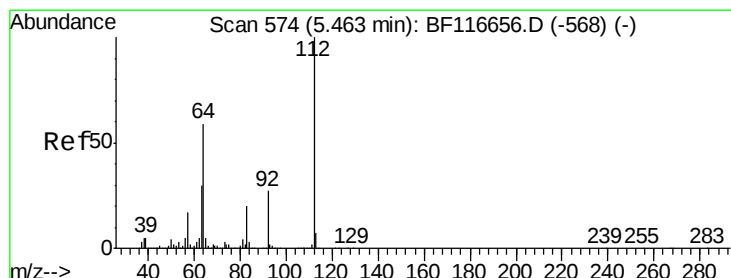
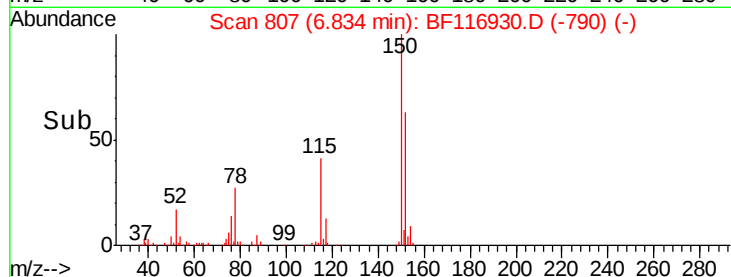
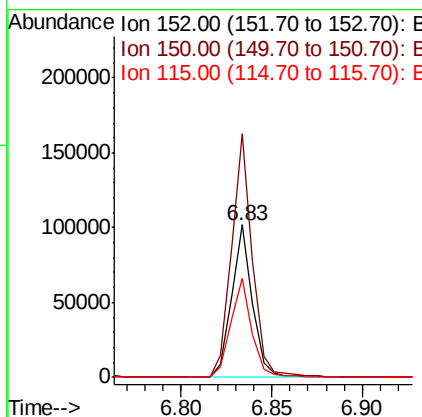
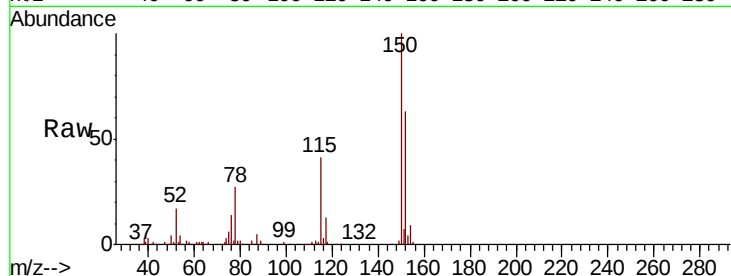


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. 0.00 min
Lab File: BF116930.D
Acq: 10 Sep 2019 19:21

Instrument :
BNA_F
ClientSampleId :

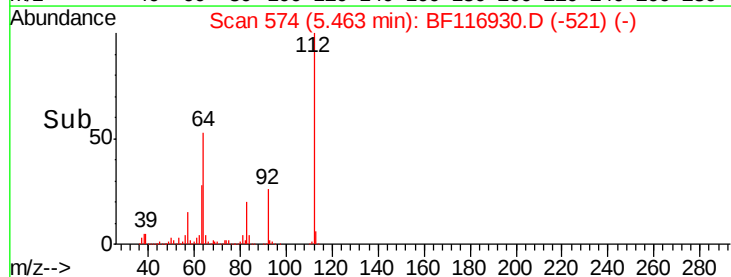
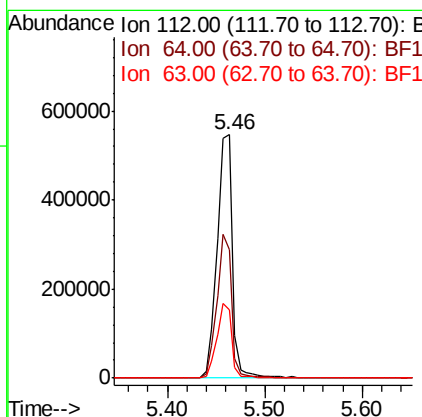
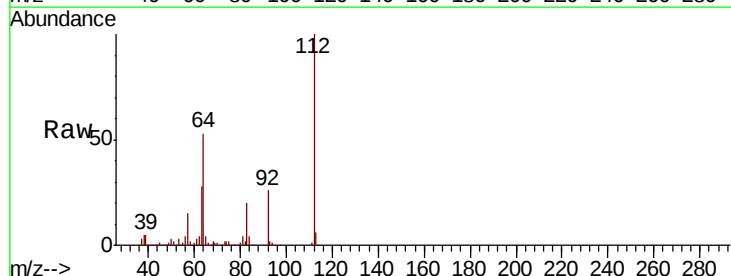
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.9	124.4	186.6
115	65.2	49.9	74.9



#5

2-Fluorophenol
Concen: 119.360 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.01 min
Lab File: BF116930.D
Acq: 10 Sep 2019 19:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.8	47.1	70.7
63	28.1	24.9	37.3





#7

Phenol-d6

Concen: 123.036 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF116930.D

Acq: 10 Sep 2019 19:21

Instrument :

BNA_F

ClientSampleId :

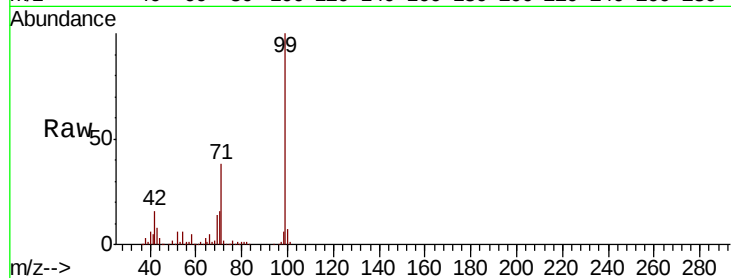
Tot Ion: 99 Resp: 812051

Ion Ratio Lower Upper

99 100

42 15.8 13.7 20.5

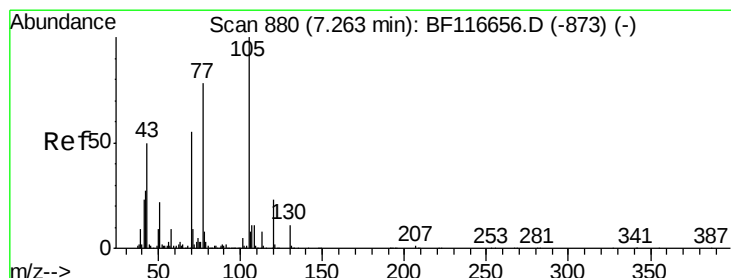
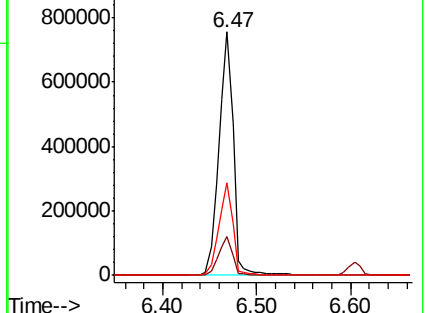
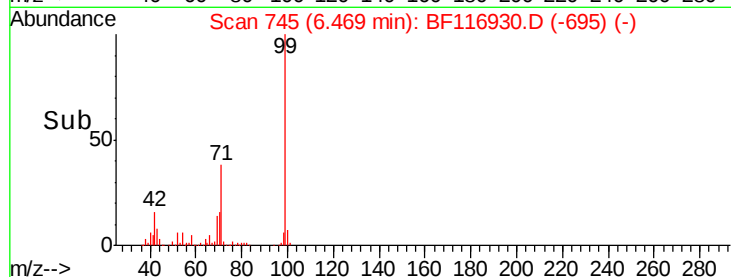
71 37.9 30.8 46.2



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.461 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.14 min

Lab File: BF116930.D

Acq: 10 Sep 2019 19:21

Tgt Ion: 70 Resp: 67187

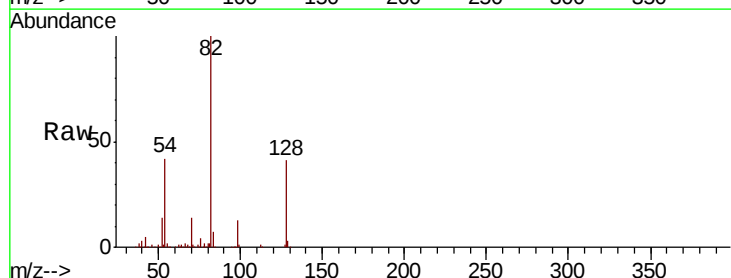
Ion Ratio Lower Upper

70 100

42 37.3 43.5 65.3#

101 0.0 7.8 11.6#

130 2.1 16.6 24.8#

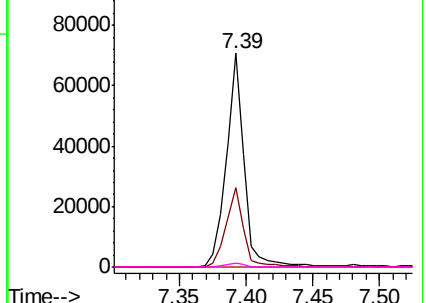
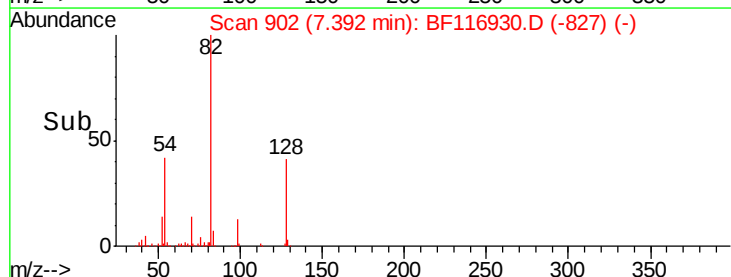


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF116930.D

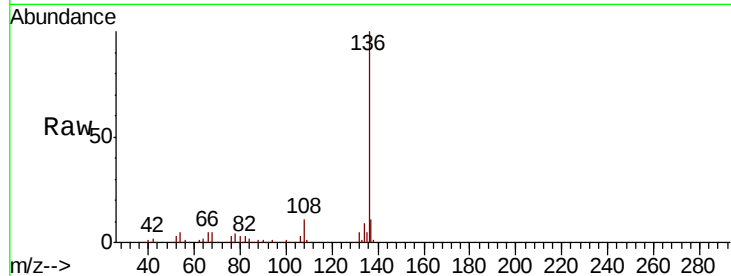
Acq: 10 Sep 2019 19:21

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136	Resp:	324963
Ion	Ratio	Lower Upper
136	100	
137	10.7	8.9 13.3
54	4.9	4.8 7.2
68	4.6	4.0 6.0

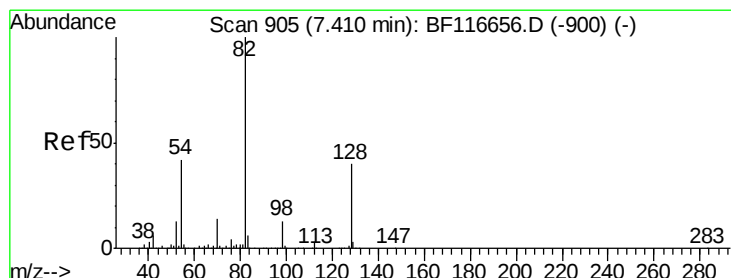
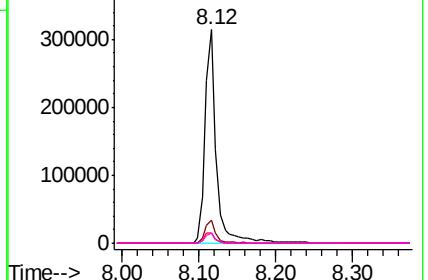
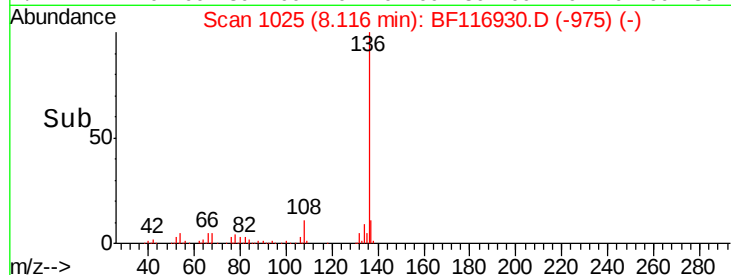


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 88.599 ng

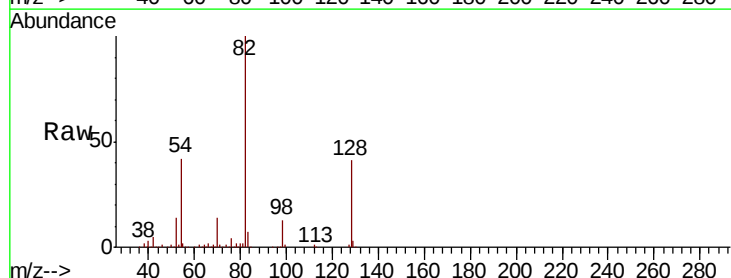
RT: 7.39 min Scan# 902

Delta R.T. -0.01 min

Lab File: BF116930.D

Acq: 10 Sep 2019 19:21

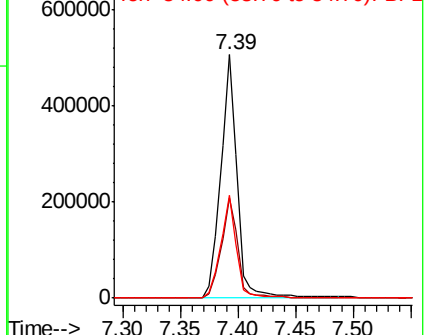
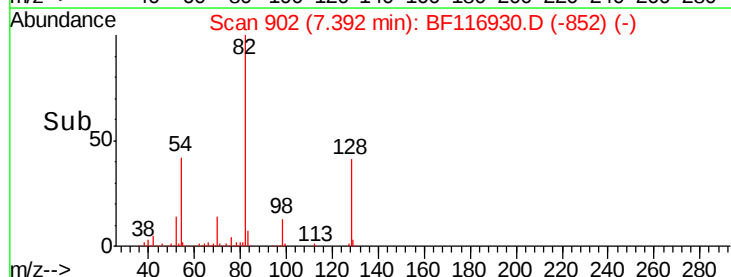
Tgt Ion: 82	Resp:	504338
Ion	Ratio	Lower Upper
82	100	
128	41.1	32.8 49.2
54	42.4	36.9 55.3

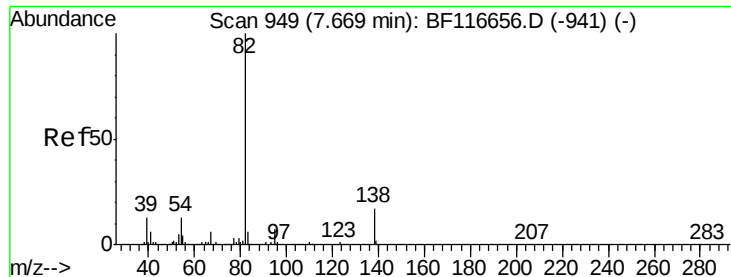


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 43.723 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.26 min

Lab File: BF116930.D

Acq: 10 Sep 2019 19:21

Instrument :

BNA_F

ClientSampleId :

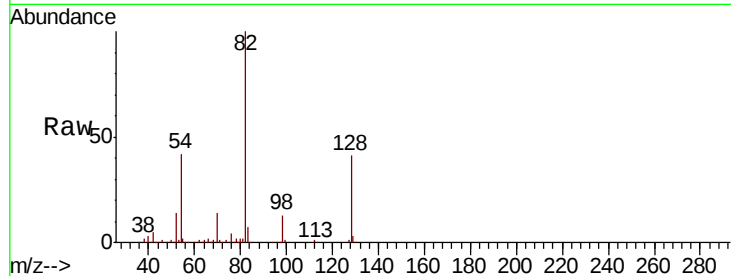
Tot Ion: 82 Resp: 504335

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

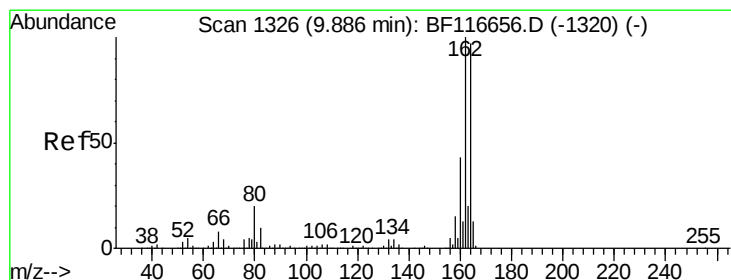
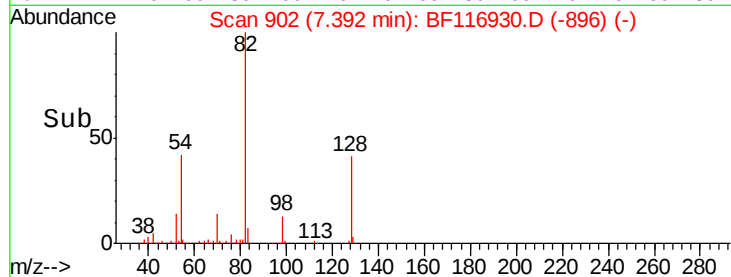
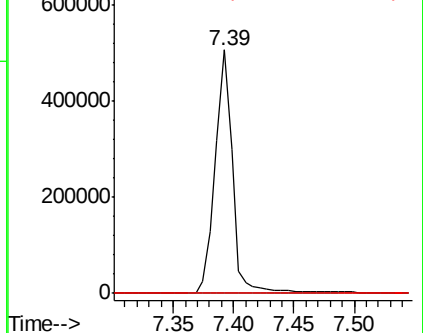
138 0.0 13.5 20.3#



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: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF116930.D

Acq: 10 Sep 2019 19:21

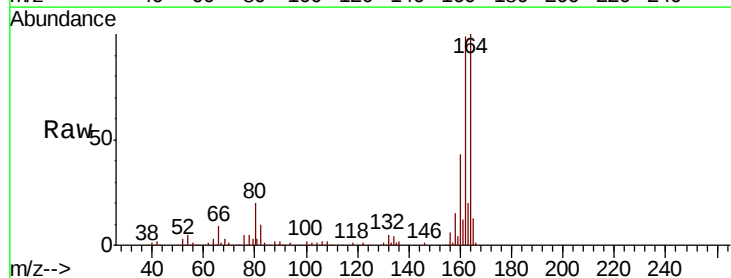
Tgt Ion: 164 Resp: 164913

Ion Ratio Lower Upper

164 100

162 99.1 81.4 122.0

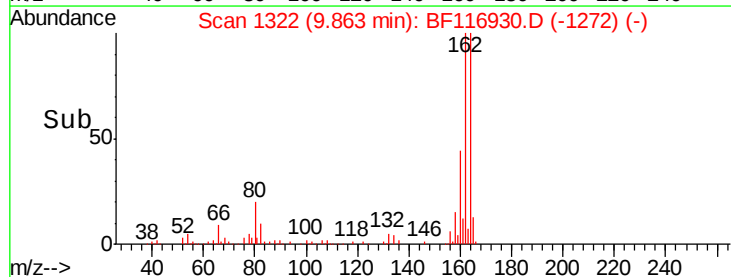
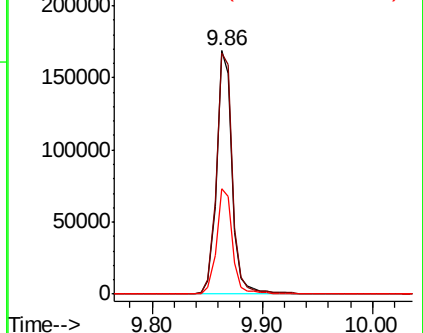
160 43.2 35.4 53.2

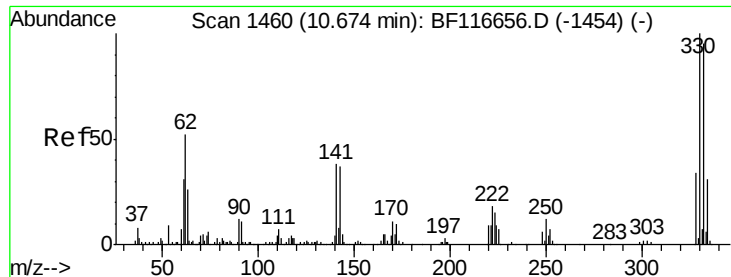


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

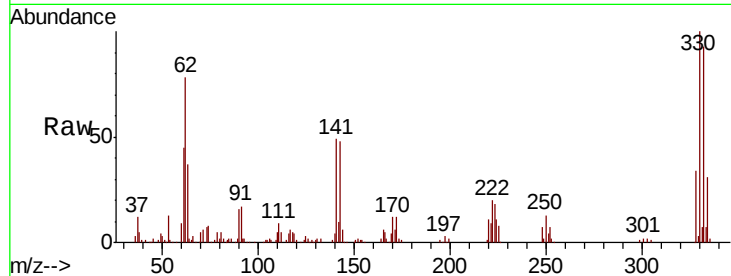




#42
 2,4,6-Tribromophenol
 Concen: 124.917 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. -0.01 min
 Lab File: BF116930.D
 Acq: 10 Sep 2019 19:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.9	115.3
141	45.0	31.4	47.2

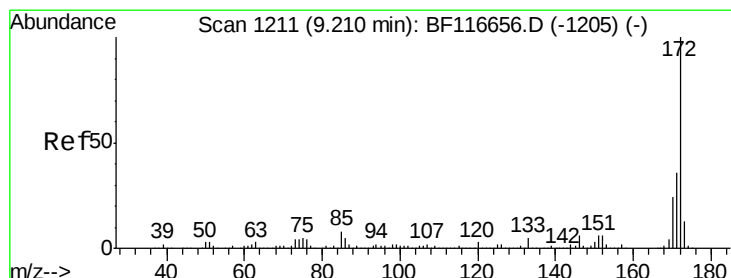
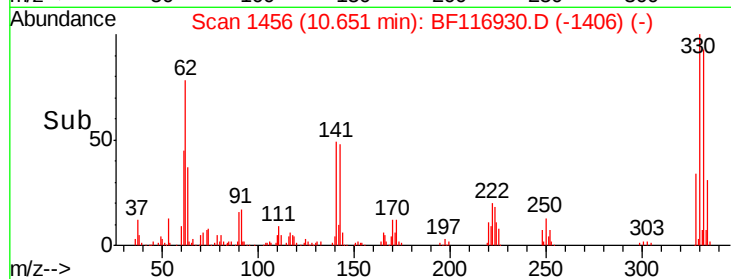
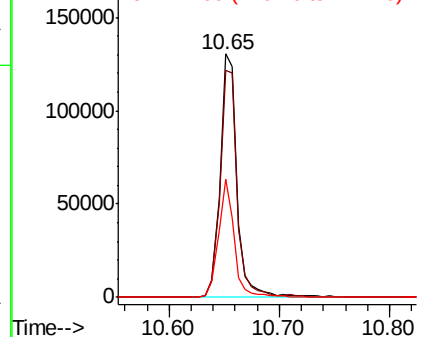


Abundance

Ion 329.80 (329.50 to 330.50): E

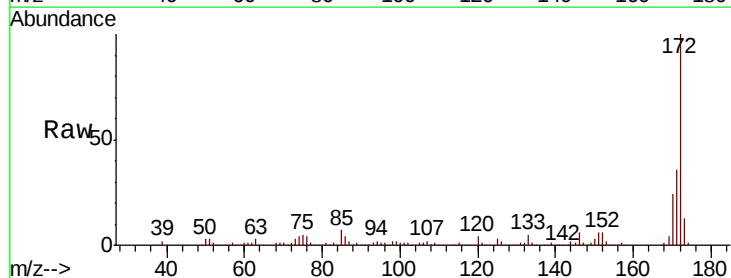
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 90.251 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: BF116930.D
 Acq: 10 Sep 2019 19:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	27.8	41.6
170	23.7	18.9	28.3

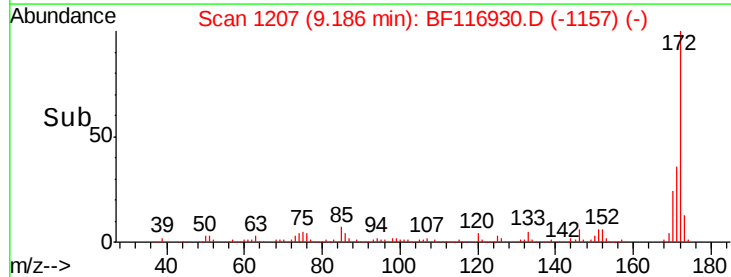
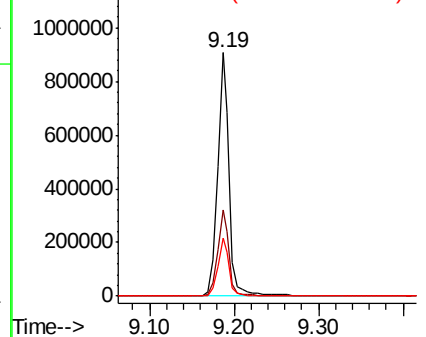


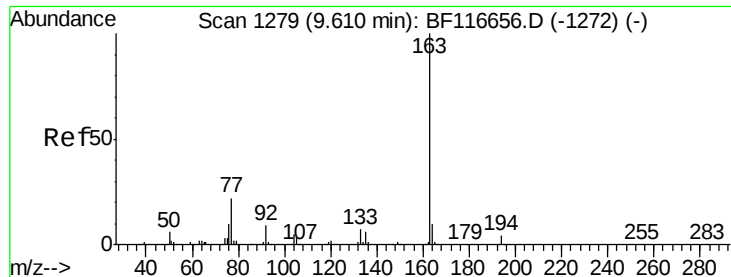
Abundance

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

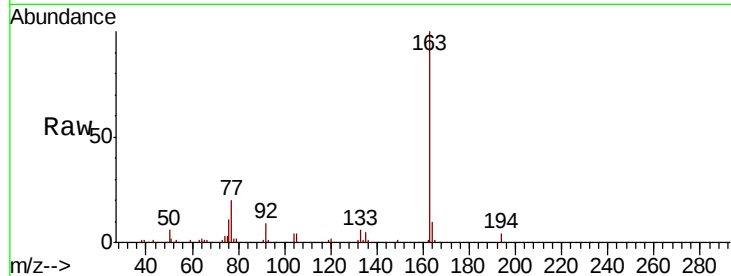




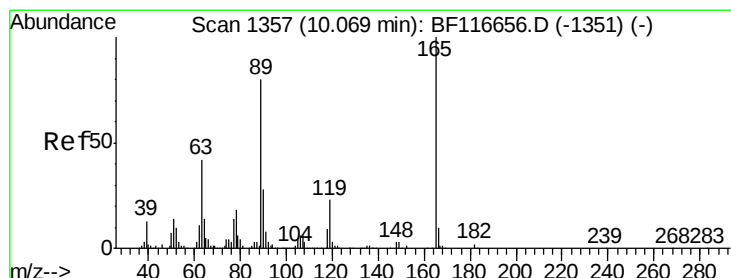
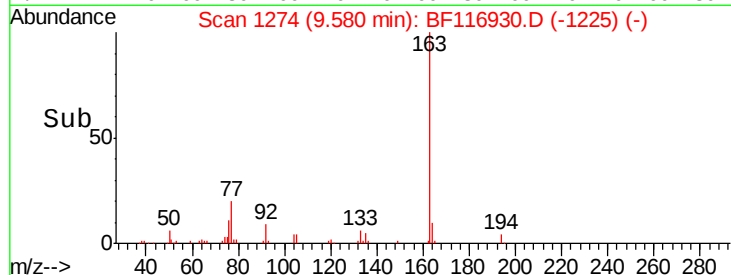
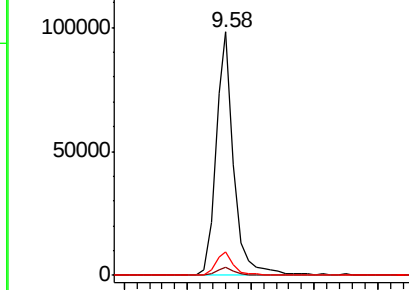
#50
Dimethylphthalate
Concen: 8.464 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.01 min
Lab File: BF116930.D
Acq: 10 Sep 2019 19:21

Instrument :
BNA_F
ClientSampleID :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.8	4.2
164	9.9	8.6	12.8



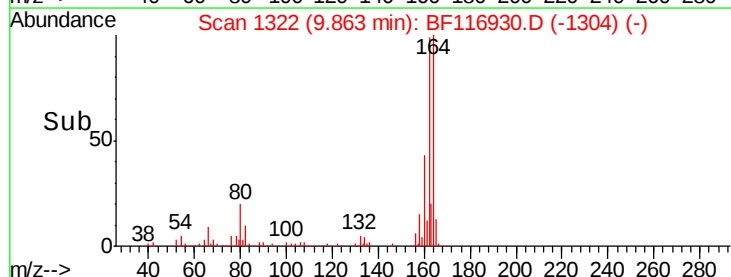
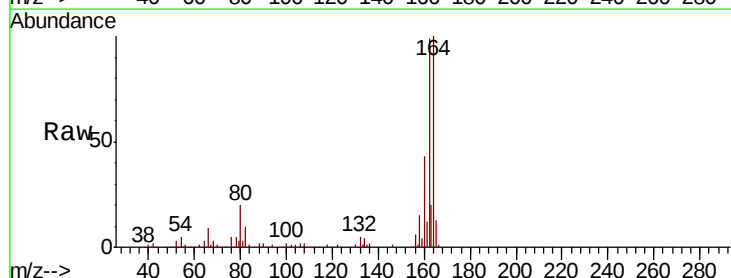
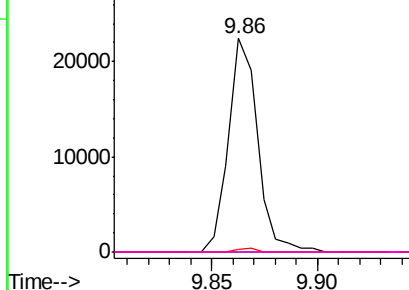
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#57
2,4-Dinitrotoluene
Concen: 8.091 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.19 min
Lab File: BF116930.D
Acq: 10 Sep 2019 19:21

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.5	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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.35 min Scan# 1574

Delta R.T. -0.01 min

Lab File: BF116930.D

Acq: 10 Sep 2019 19:21

Instrument :

BNA_F

ClientSampleId :

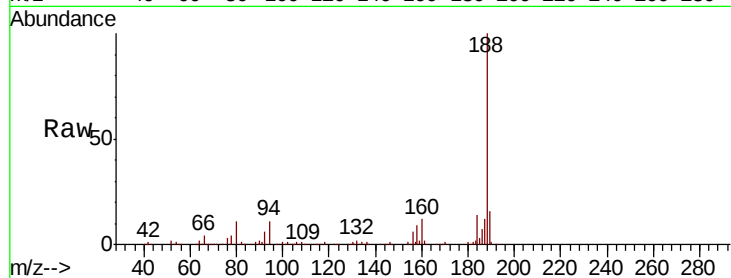
Tot Ion:188 Resp: 265585

Ion Ratio Lower Upper

188 100

94 10.8 7.3 10.9

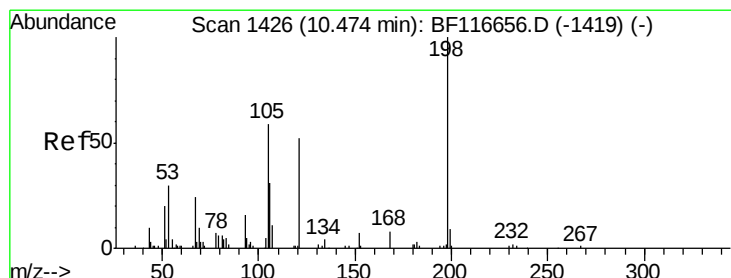
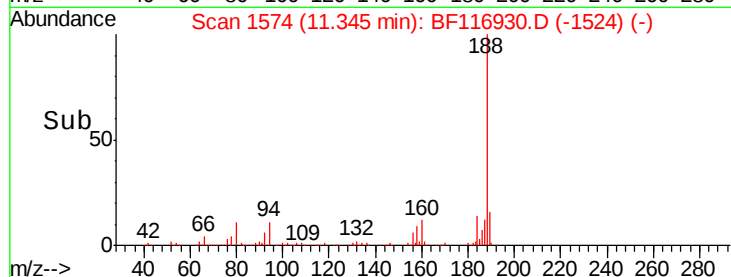
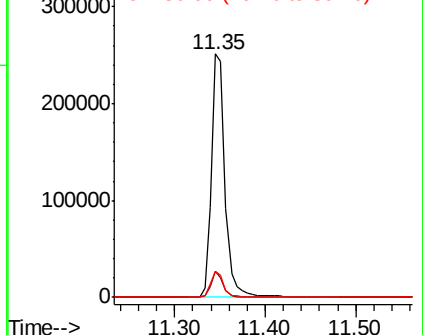
80 10.9 8.4 12.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#65

4,6-Dinitro-2-methylphenol

Concen: 7.567 ng

RT: 10.65 min Scan# 1456

Delta R.T. 0.18 min

Lab File: BF116930.D

Acq: 10 Sep 2019 19:21

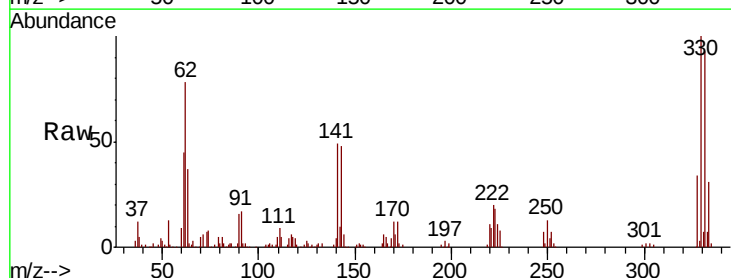
Tgt Ion:198 Resp: 134

Ion Ratio Lower Upper

198 100

51 221.3 18.4 58.4#

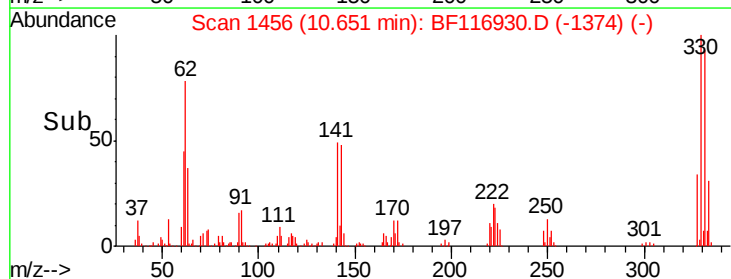
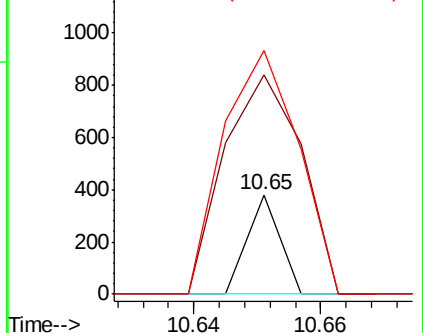
105 245.5 22.9 62.9#

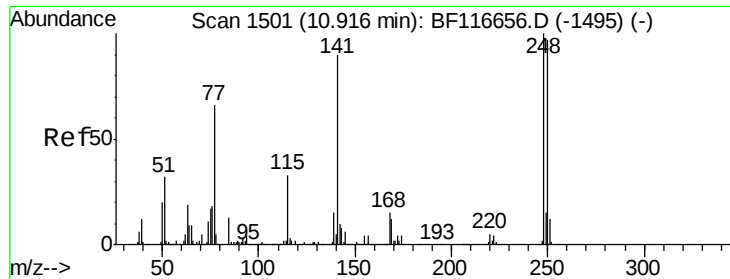


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

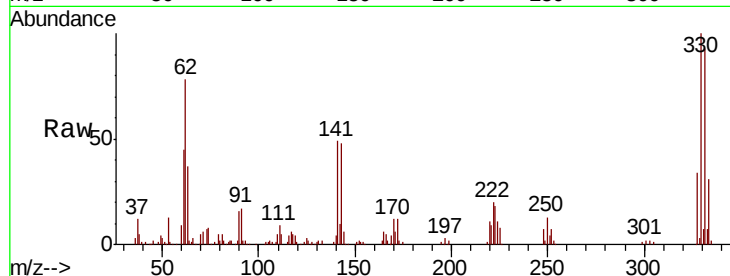




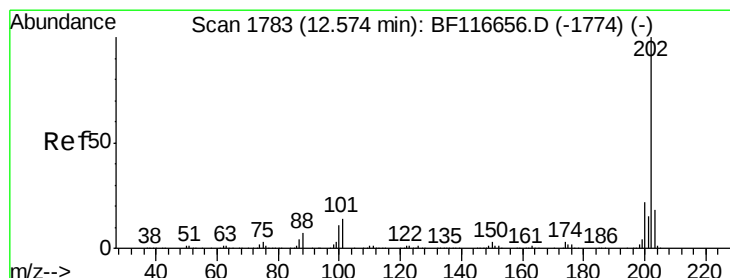
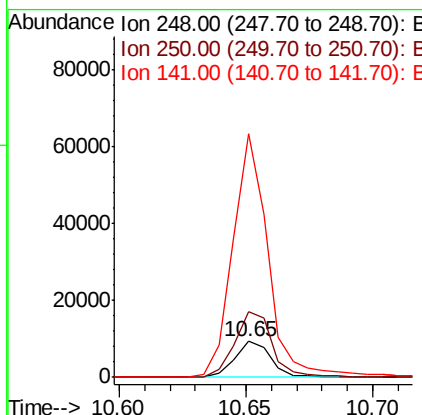
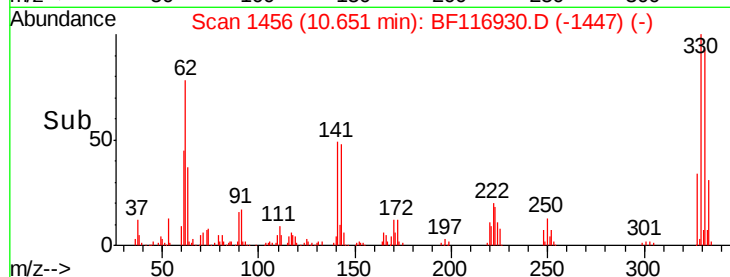
#67
4-Bromophenyl-phenylether
Concen: 3.404 ng
RT: 10.65 min Scan# 1456
Delta R.T. -0.25 min
Lab File: BF116930.D
Acq: 10 Sep 2019 19:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 9184
Ion Ratio Lower Upper
248 100
250 182.9 77.8 116.8#
141 672.2 75.9 113.9#

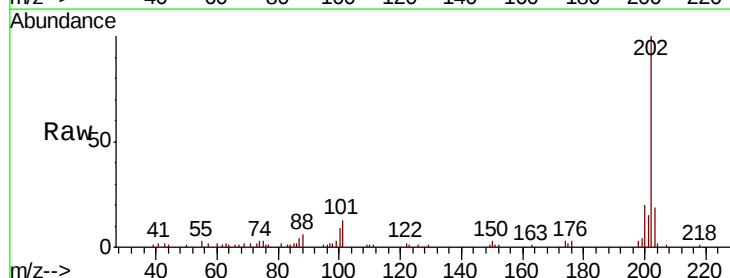


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

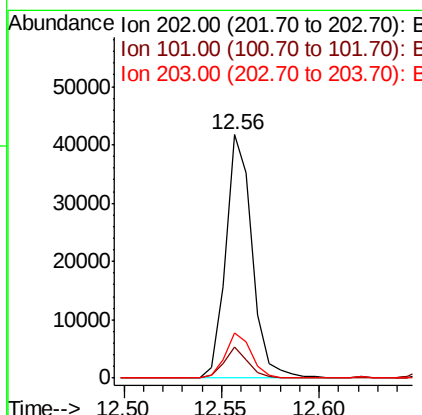
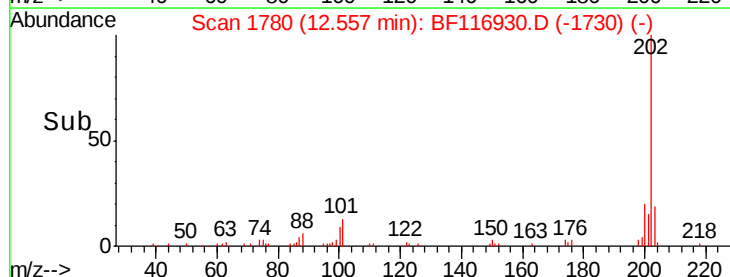


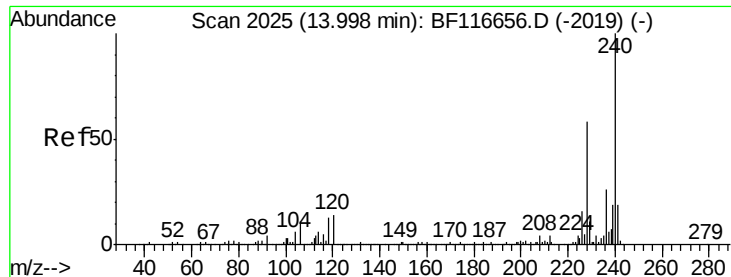
#75
Fluoranthene
Concen: 2.685 ng
RT: 12.56 min Scan# 1780
Delta R.T. -0.01 min
Lab File: BF116930.D
Acq: 10 Sep 2019 19:21

Tgt Ion:202 Resp: 39004
Ion Ratio Lower Upper
202 100
101 12.7 0.0 31.3
203 18.7 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

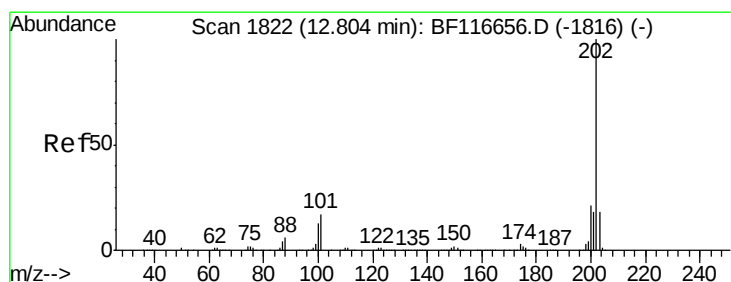
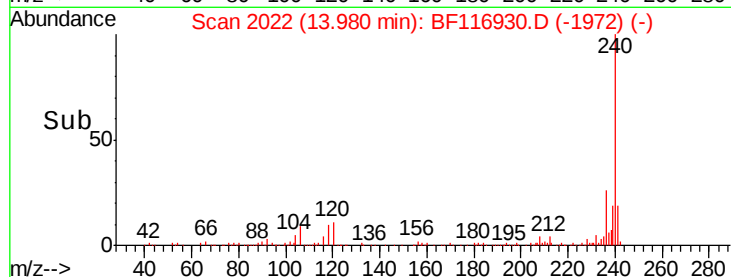
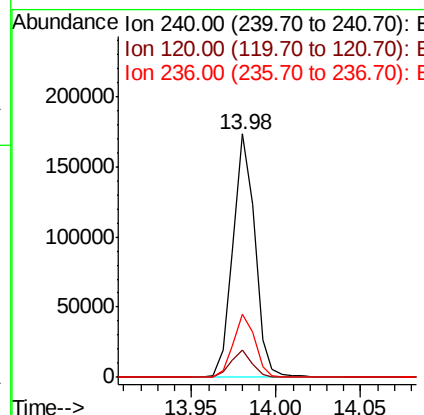
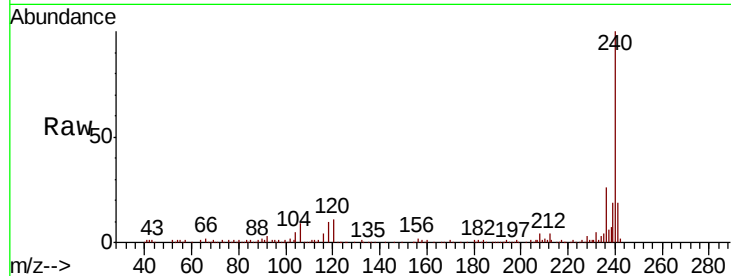




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF116930.D
Acq: 10 Sep 2019 19:21

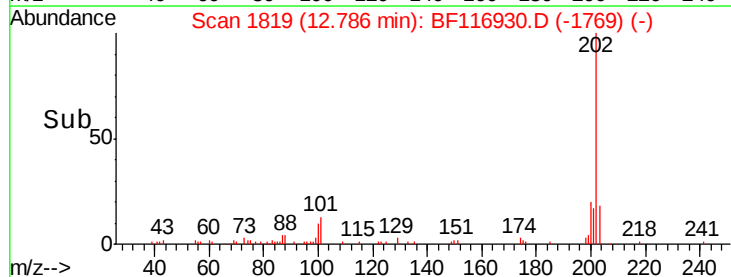
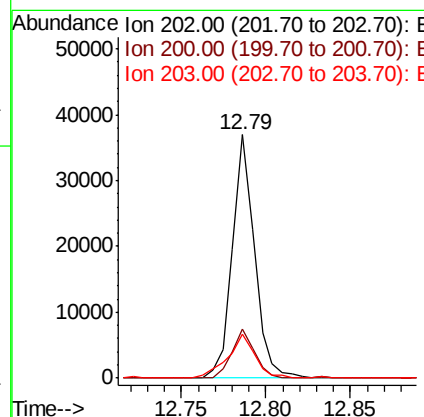
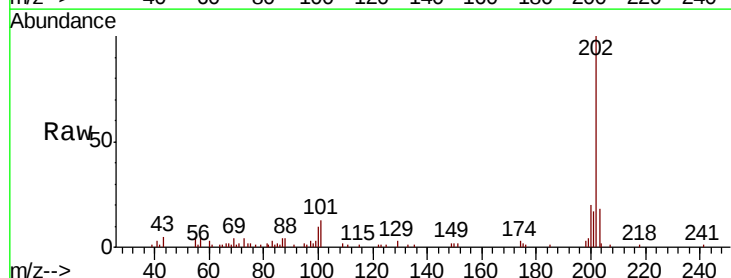
Instrument :
BNA_F
ClientSampleId :

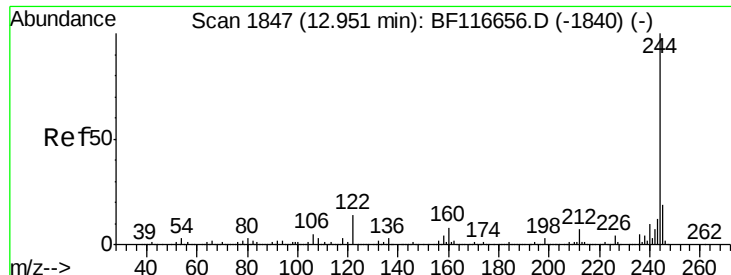
Tot Ion:240 Resp: 157159
Ion Ratio Lower Upper
240 100
120 11.3 9.1 13.7
236 26.0 21.1 31.7



#78
Pyrene
Concen: 2.414 ng
RT: 12.79 min Scan# 1819
Delta R.T. -0.01 min
Lab File: BF116930.D
Acq: 10 Sep 2019 19:21

Tgt Ion:202 Resp: 33727
Ion Ratio Lower Upper
202 100
200 20.0 16.5 24.7
203 18.2 13.7 20.5

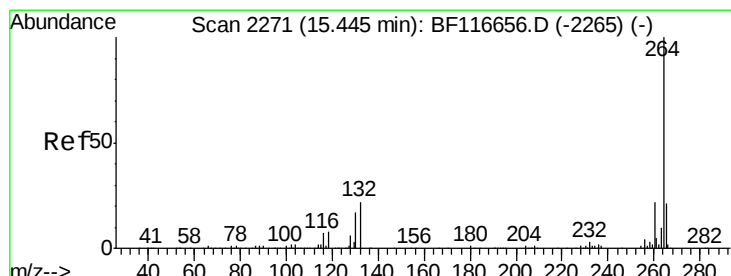
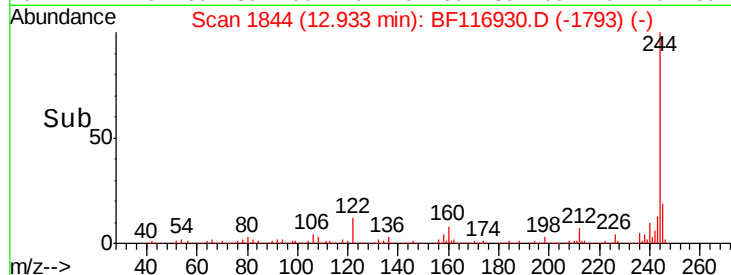
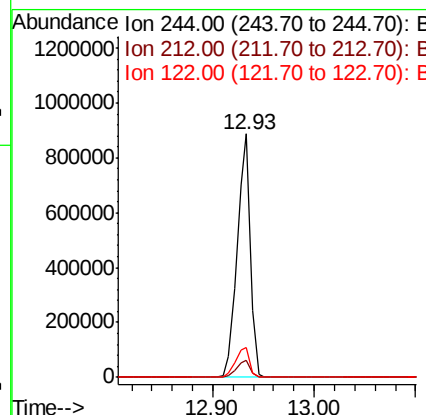
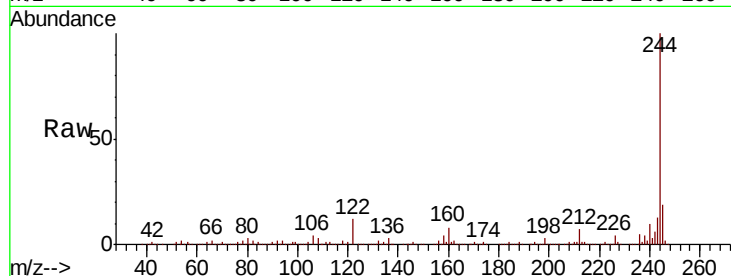




#79
 Terphenyl-d14
 Concen: 93.988 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. 0.00 min
 Lab File: BF116930.D
 Acq: 10 Sep 2019 19:21

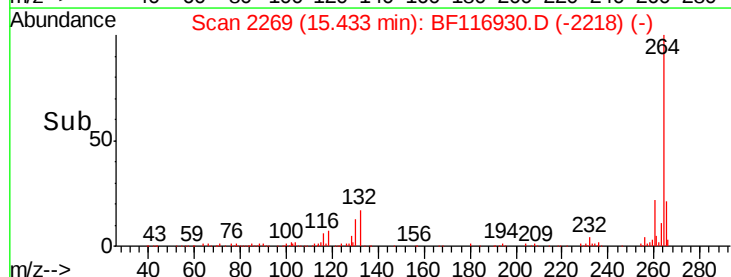
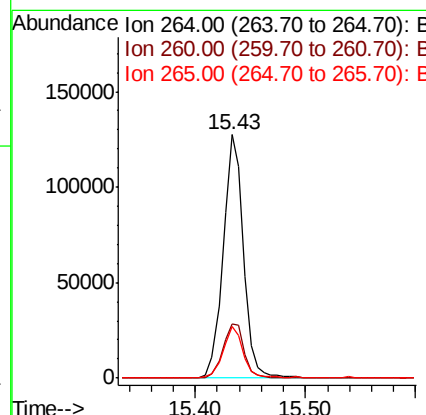
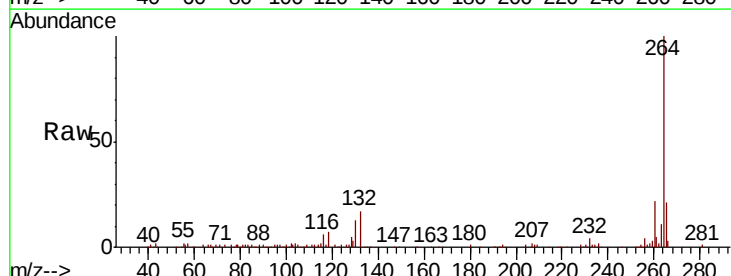
Instrument :
 BNA_F
 ClientSampled :

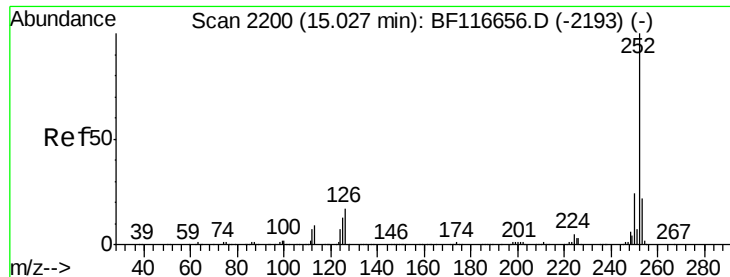
Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.1	9.1
122	12.3	10.2	15.4



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2269
 Delta R.T. 0.00 min
 Lab File: BF116930.D
 Acq: 10 Sep 2019 19:21

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.1	18.3	27.5
265	21.0	16.5	24.7

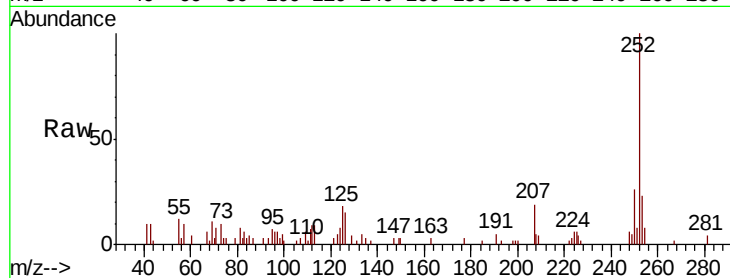




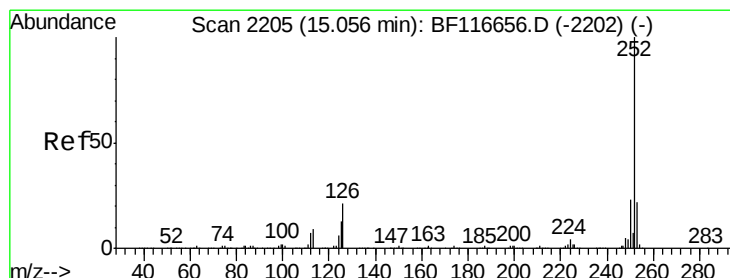
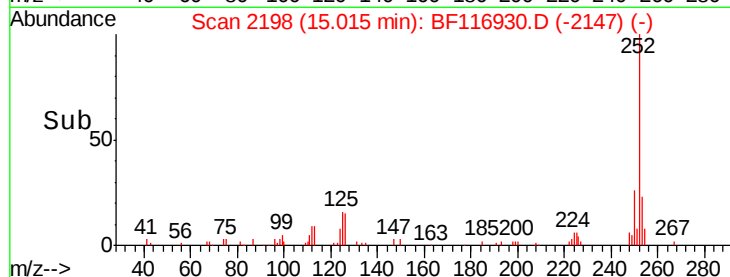
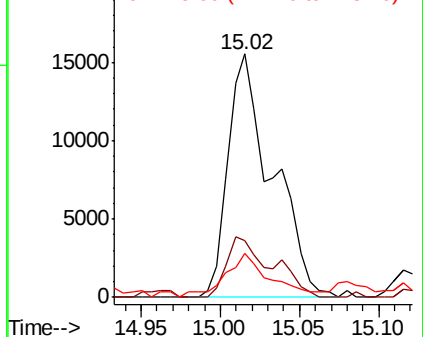
#88
Benzo(b)fluoranthene
Concen: 3.058 ng
RT: 15.02 min Scan# 2198
Delta R.T. 0.00 min
Lab File: BF116930.D
Acq: 10 Sep 2019 19:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 30159
Ion Ratio Lower Upper
252 100
253 23.1 17.7 26.5
125 17.9 8.2 12.2#

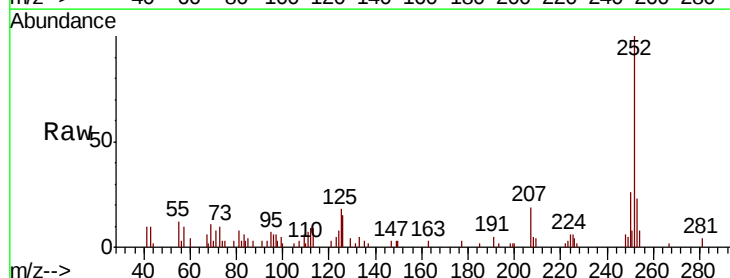


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 3.354 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.03 min
Lab File: BF116930.D
Acq: 10 Sep 2019 19:21

Tgt Ion:252 Resp: 30159
Ion Ratio Lower Upper
252 100
253 23.1 17.7 26.5
125 17.9 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

