

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112619\
 Data File : BF118030.D
 Acq On : 27 Nov 2019 5:58
 Operator : JU
 Sample : K6014-13
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 27 07:50:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 26 05:38:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	103958	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	369949	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	157005	20.00	ng	0.00
64) Phenanthrene-d10	11.43	188	249774	20.00	ng	0.00
76) Chrysene-d12	14.09	240	197496	20.00	ng	0.00
87) Perylene-d12	15.59	264	157520	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.51	112	427568	72.80	ng	0.01
7) Phenol-d6	6.52	99	561576	79.28	ng	0.00
23) Nitrobenzene-d5	7.45	82	339647	54.58	ng	-0.01
42) 2,4,6-Tribromophenol	10.73	330	98841	59.46	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	642555	73.42	ng	0.00
79) Terphenyl-d14	13.02	244	602040	55.71	ng	0.00

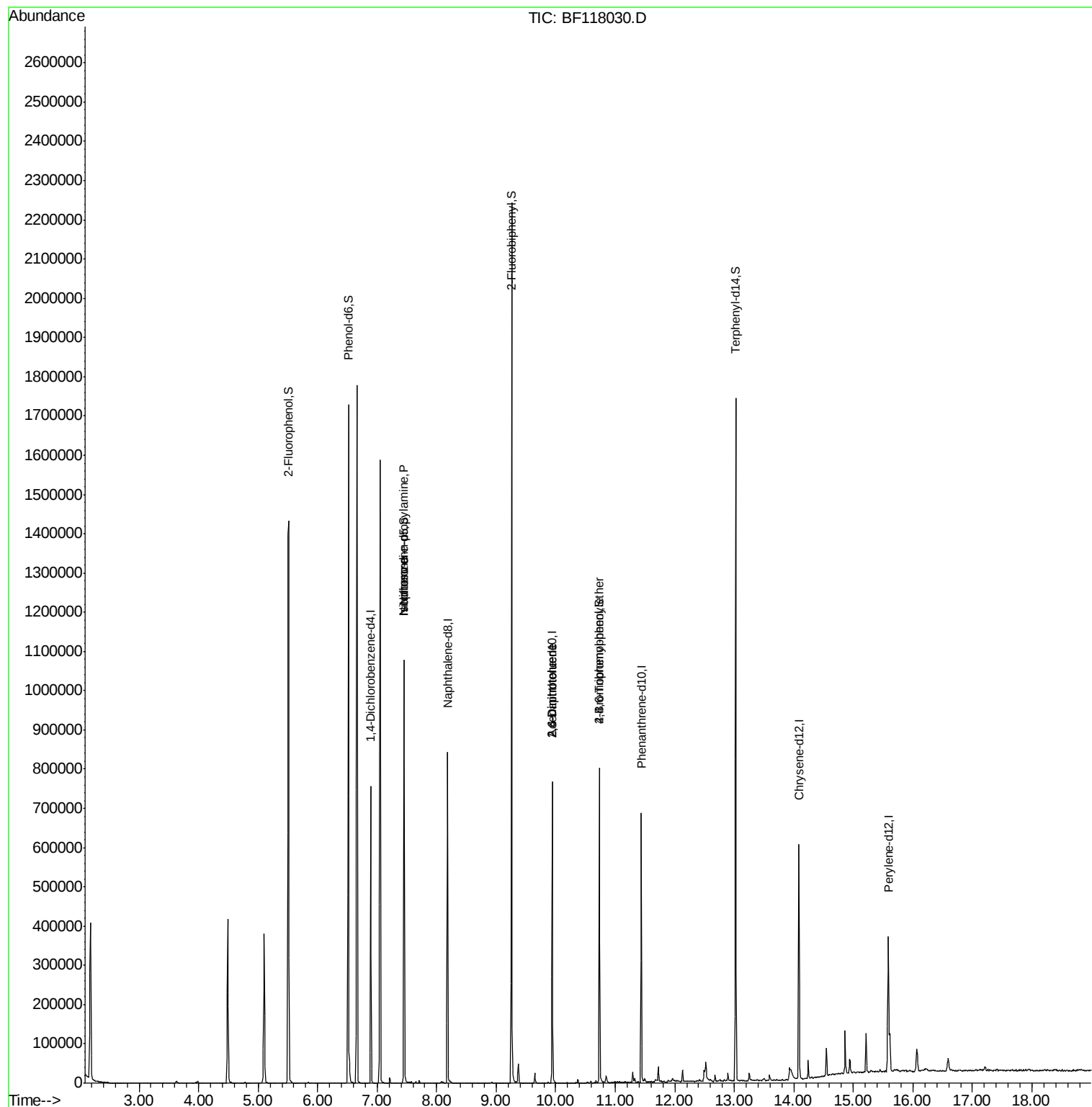
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.52	77	913	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.45	70	44123	10.097	ng	# 74
25) Isophorone	7.45	82	339644	29.777	ng	# 62
51) 2,6-Dinitrotoluene	9.94	165	19907	8.273	ng	# 23
57) 2,4-Dinitrotoluene	9.94	165	19907	6.504	ng	# 24
67) 4-Bromophenyl-phenylether	10.73	248	6098	2.263	ng	# 1
75) Fluoranthene	12.66	202	327	Below Cal		63

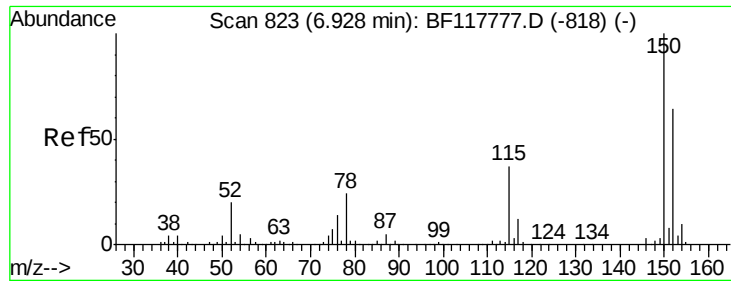
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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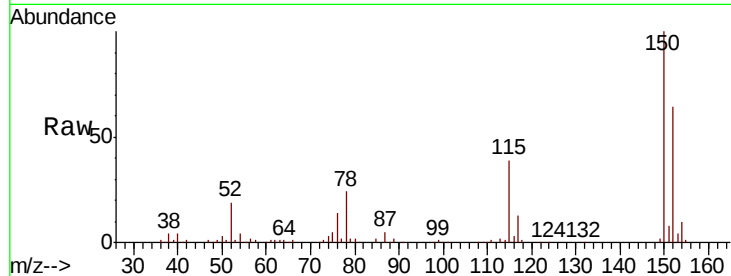


#1

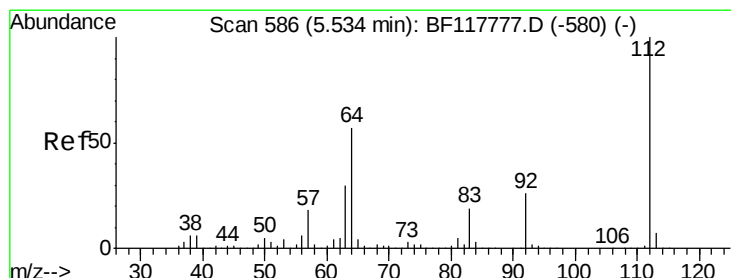
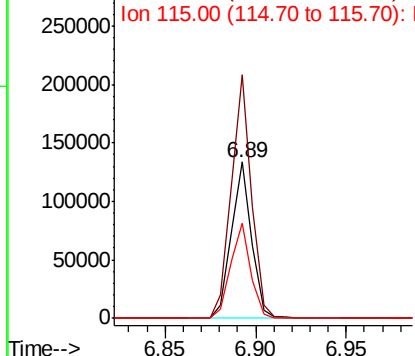
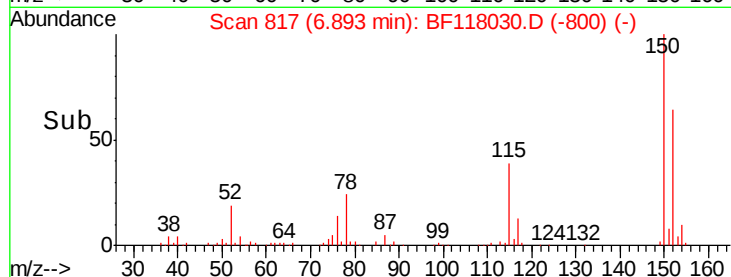
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. 0.00 min
Lab File: BF118030.D
Acq: 27 Nov 2019 5:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 103958
Ion Ratio Lower Upper
152 100
150 155.9 125.3 187.9
115 61.2 47.0 70.4



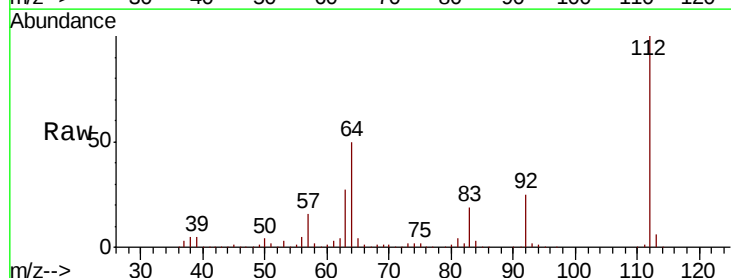
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



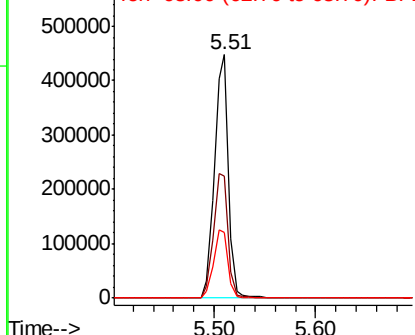
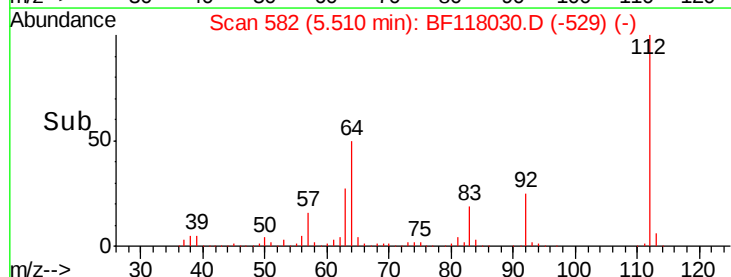
#5

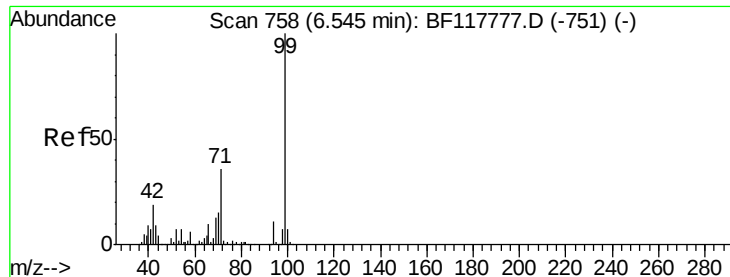
2-Fluorophenol
Concen: 72.803 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.01 min
Lab File: BF118030.D
Acq: 27 Nov 2019 5:58

Tgt Ion:112 Resp: 427568
Ion Ratio Lower Upper
112 100
64 50.3 45.6 68.4
63 27.2 24.1 36.1



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: 79.276 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF118030.D

Acq: 27 Nov 2019 5:58

Instrument :

BNA_F

ClientSampleId :

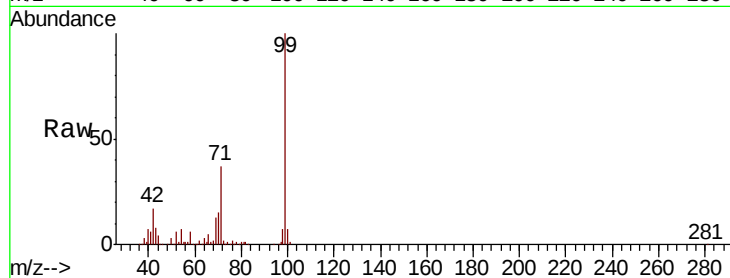
Tot Ion: 99 Resp: 561576

Ion Ratio Lower Upper

99 100

42 17.3 14.9 22.3

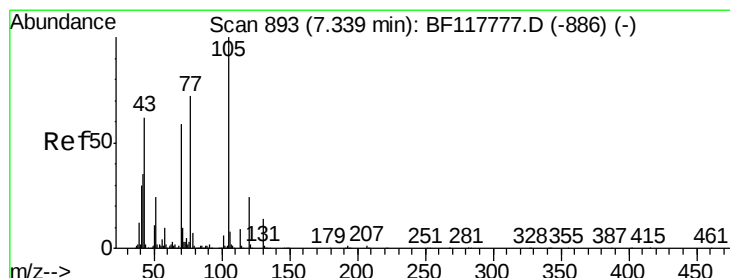
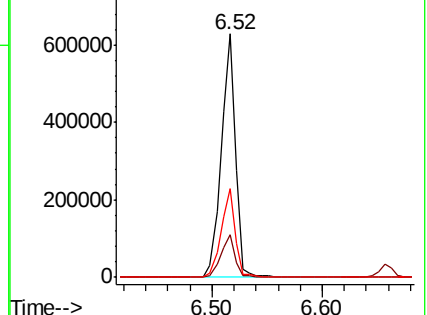
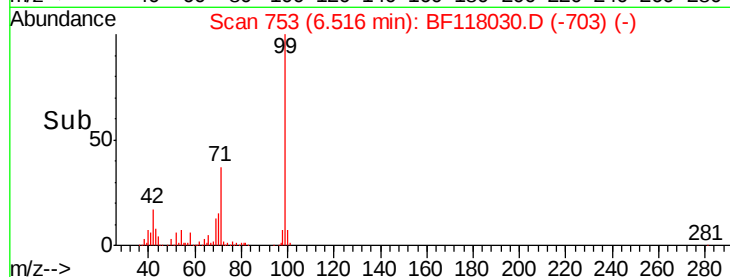
71 36.6 28.6 43.0



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: 10.097 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF118030.D

Acq: 27 Nov 2019 5:58

Tgt Ion: 70 Resp: 44123

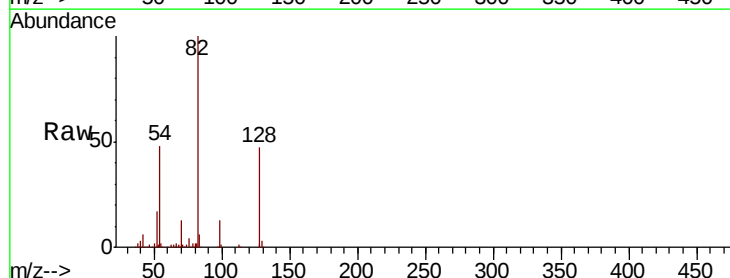
Ion Ratio Lower Upper

70 100

42 44.8 47.4 71.2#

101 0.0 8.4 12.6#

130 2.4 18.8 28.2#

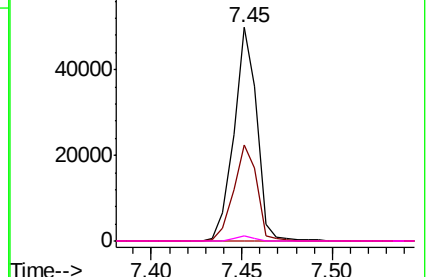
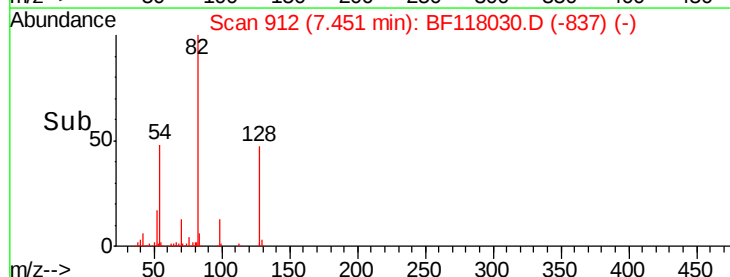


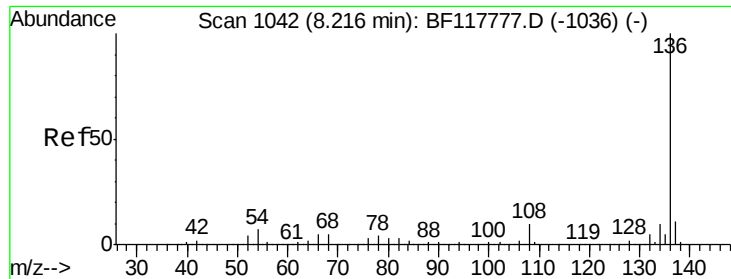
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

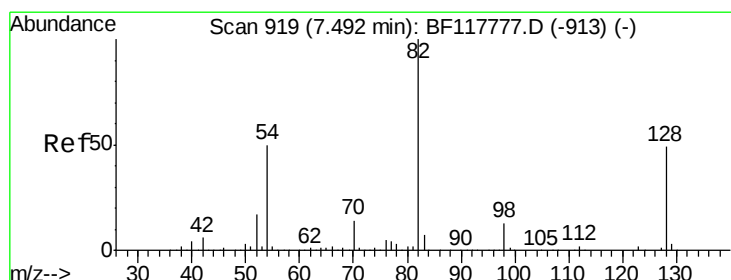
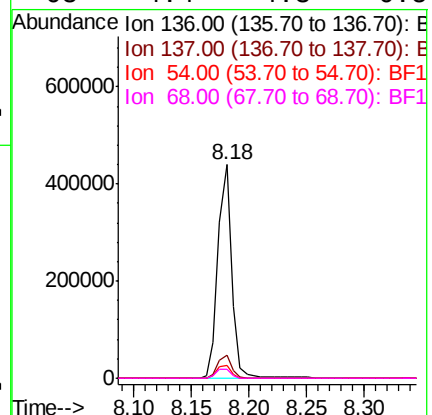
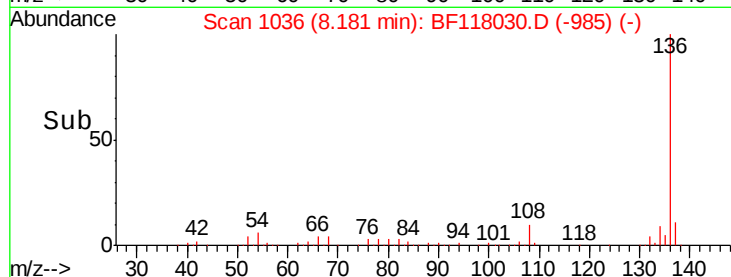
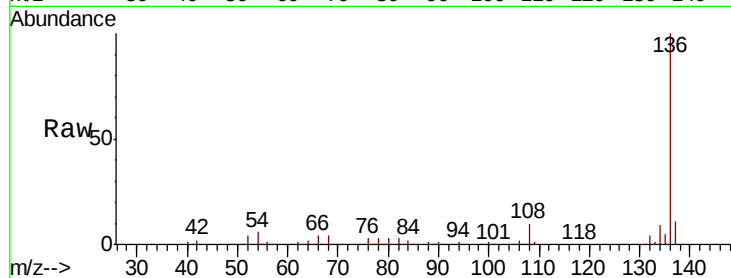




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.18 min Scan# 1036
Delta R.T. 0.00 min
Lab File: BF118030.D
Acq: 27 Nov 2019 5:58

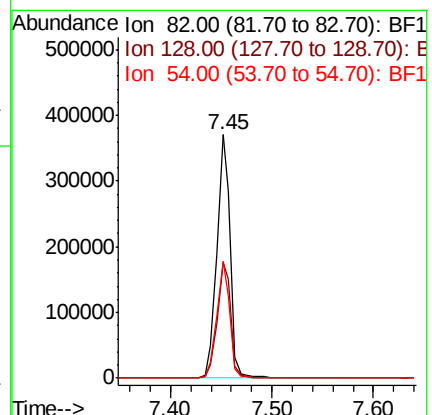
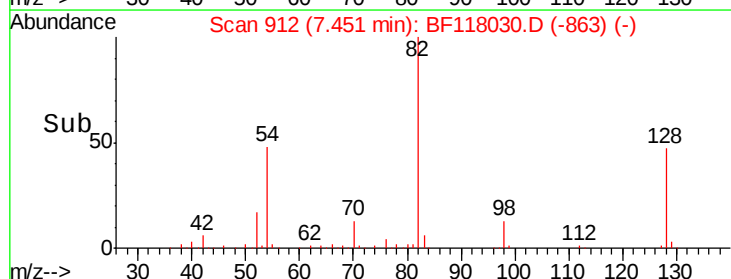
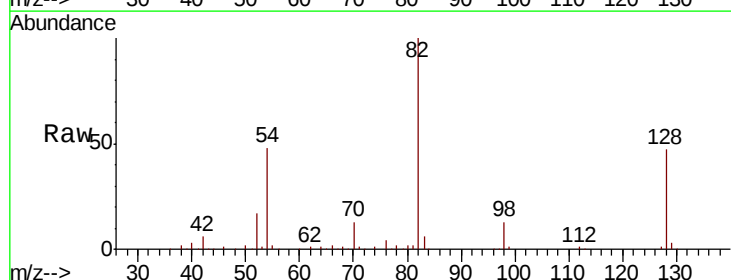
Instrument :
BNA_F
ClientSampleId :

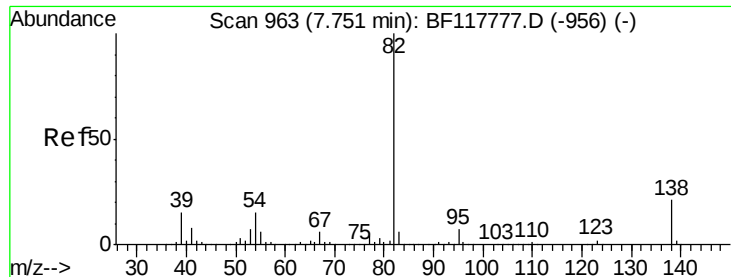
Tot Ion:	136	Resp:	369949
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.0	13.4
54	6.1	5.4	8.2
68	4.4	4.3	6.5



#23
Nitrobenzene-d5
Concen: 54.577 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF118030.D
Acq: 27 Nov 2019 5:58

Tgt Ion:	82	Resp:	339647
Ion	Ratio	Lower	Upper
82	100		
128	47.3	38.9	58.3
54	48.2	39.8	59.6





#25

Isophorone

Concen: 29.777 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF118030.D

Acq: 27 Nov 2019 5:58

Instrument :

BNA_F

ClientSampleId :

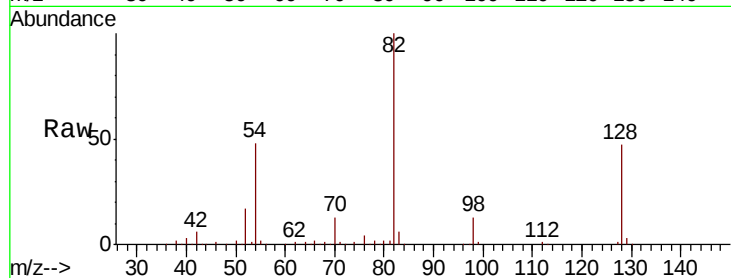
Tot Ion: 82 Resp: 339644

Ion Ratio Lower Upper

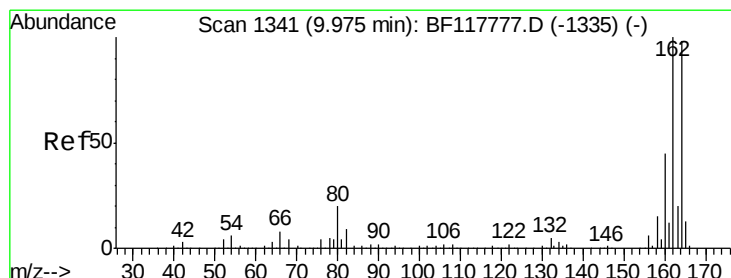
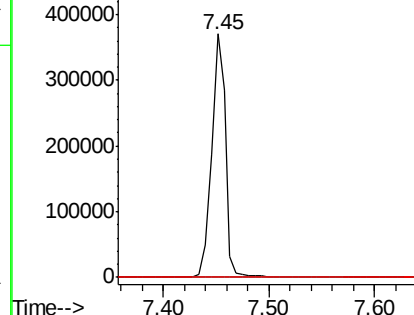
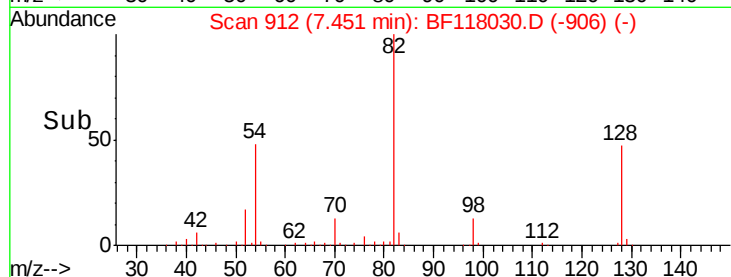
82 100

95 0.0 5.8 8.8#

138 0.0 16.5 24.7#



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: 9.94 min Scan# 1335

Delta R.T. -0.01 min

Lab File: BF118030.D

Acq: 27 Nov 2019 5:58

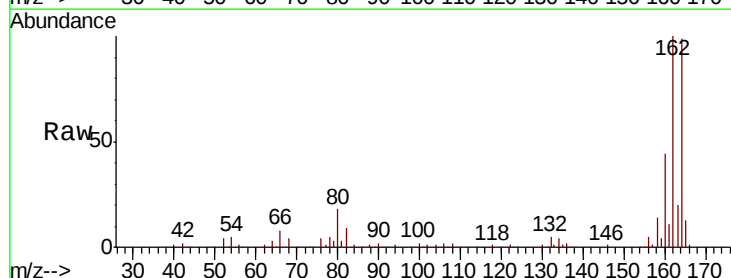
Tgt Ion: 164 Resp: 157005

Ion Ratio Lower Upper

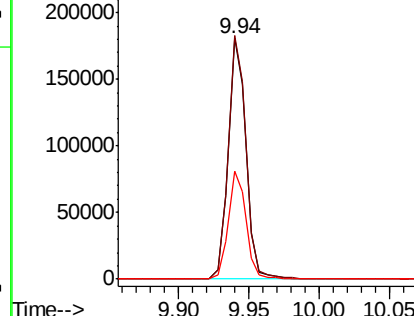
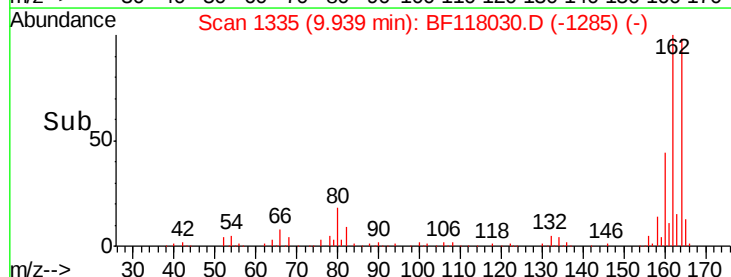
164 100

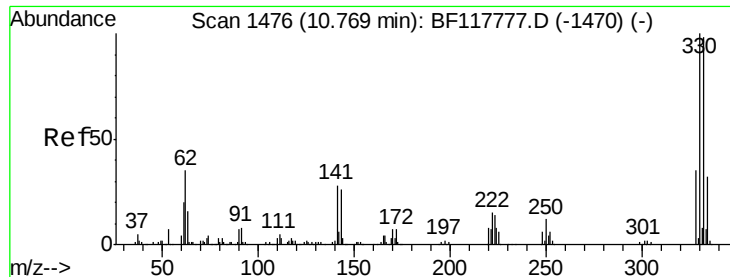
162 101.2 81.3 121.9

160 44.8 36.6 55.0



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: 59.464 ng

RT: 10.73 min Scan# 1470

Delta R.T. -0.01 min

Lab File: BF118030.D

Acq: 27 Nov 2019 5:58

Instrument :

BNA_F

ClientSampleId :

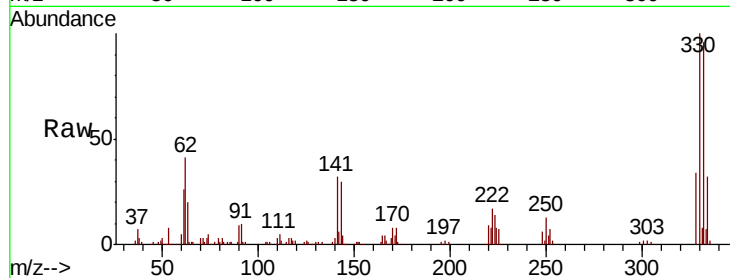
Tot Ion:330 Resp: 98841

Ion Ratio Lower Upper

330 100

332 96.9 76.7 115.1

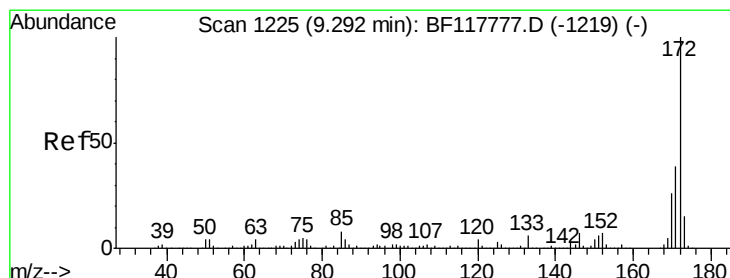
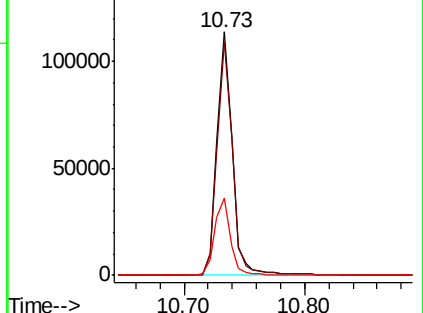
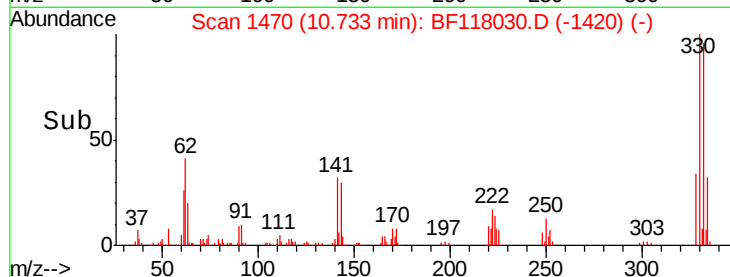
141 32.7 27.7 41.5



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: 73.422 ng

RT: 9.26 min Scan# 1219

Delta R.T. -0.01 min

Lab File: BF118030.D

Acq: 27 Nov 2019 5:58

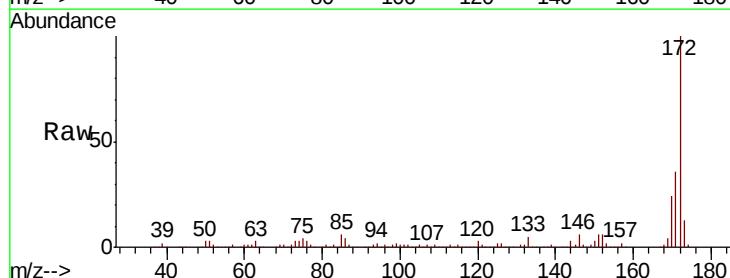
Tgt Ion:172 Resp: 642555

Ion Ratio Lower Upper

172 100

171 36.4 30.9 46.3

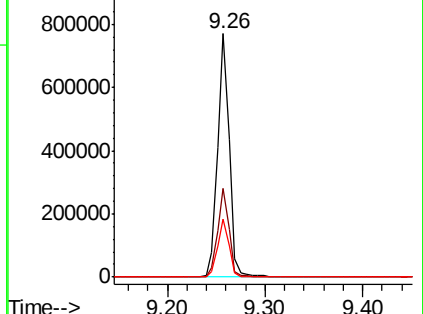
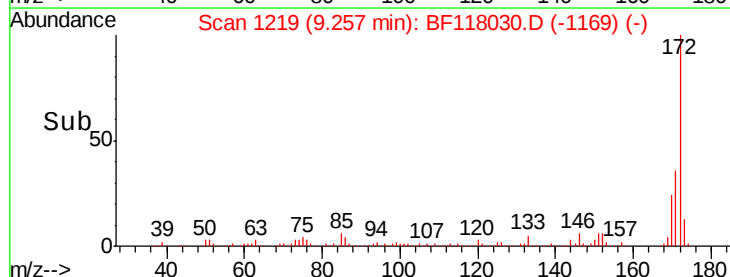
170 23.6 21.0 31.4

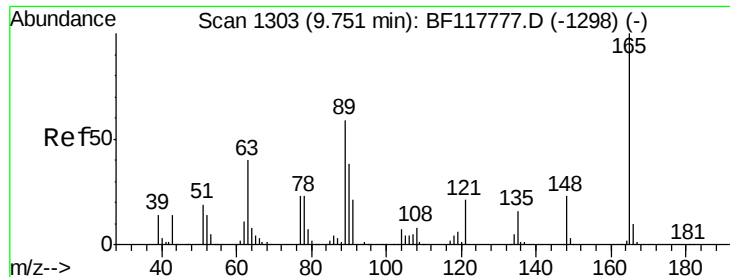


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

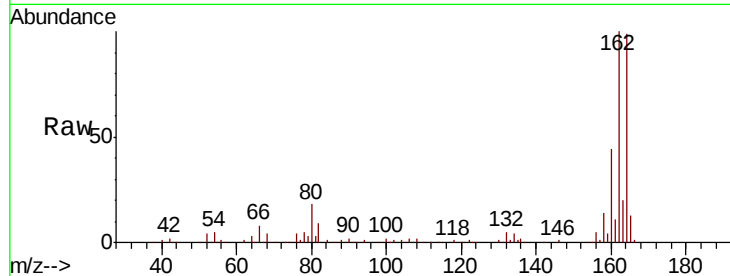




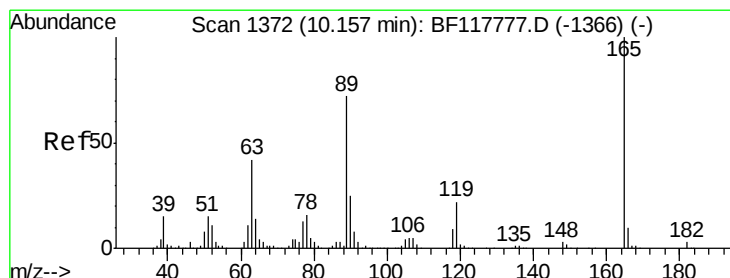
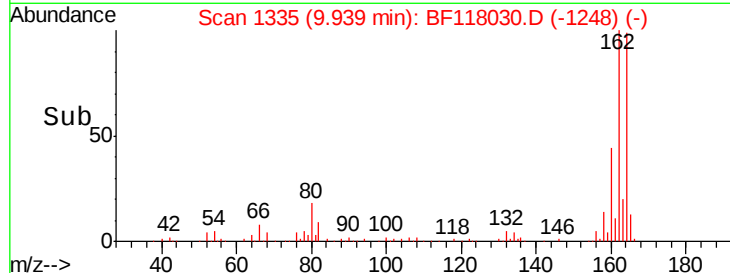
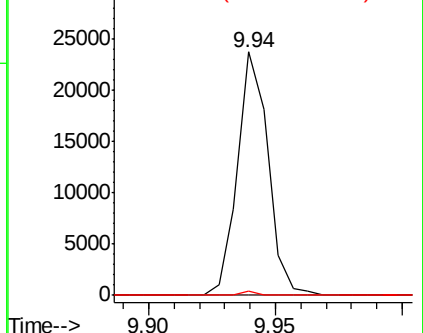
#51
 2,6-Dinitrotoluene
 Concen: 8.273 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. 0.21 min
 Lab File: BF118030.D
 Acq: 27 Nov 2019 5:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	46.0	69.0#
89	1.7	47.7	71.5#



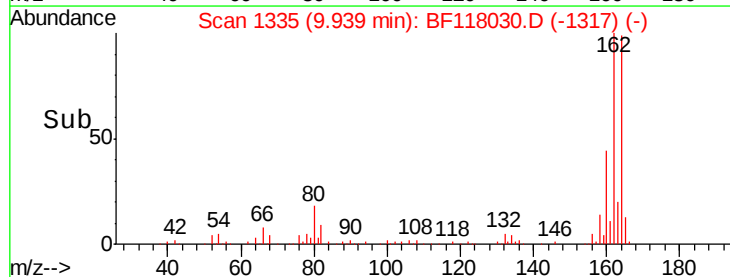
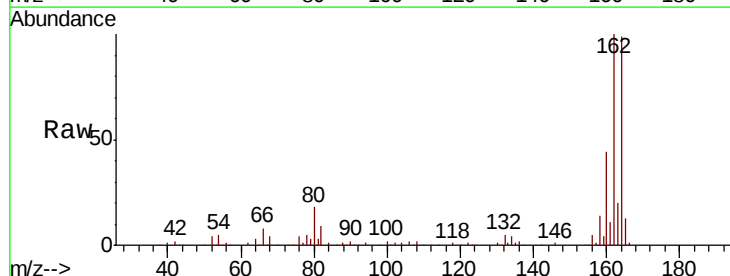
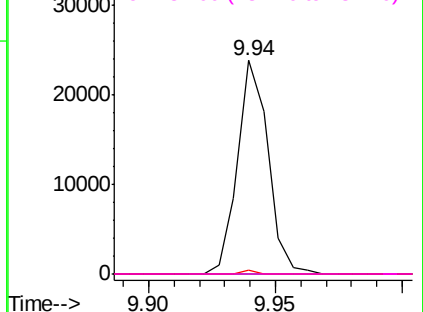
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

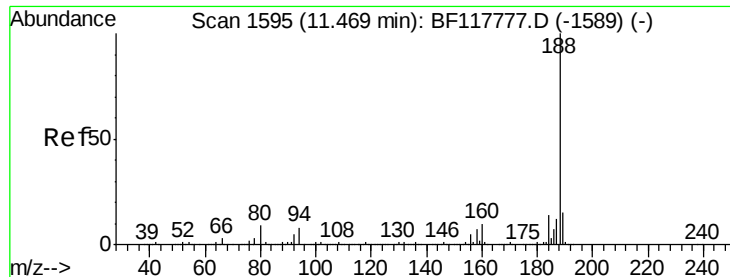


#57
 2,4-Dinitrotoluene
 Concen: 6.504 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. -0.19 min
 Lab File: BF118030.D
 Acq: 27 Nov 2019 5:58

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.7	50.5#
89	1.7	57.3	85.9#
182	0.0	2.3	3.5#

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

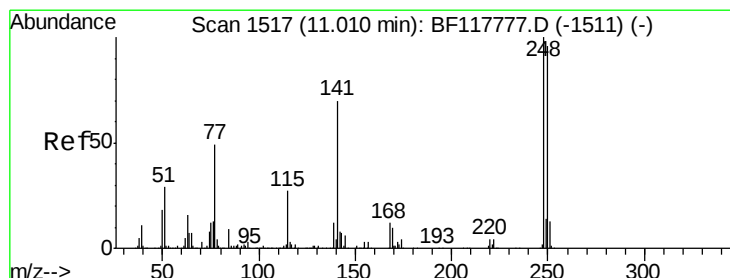
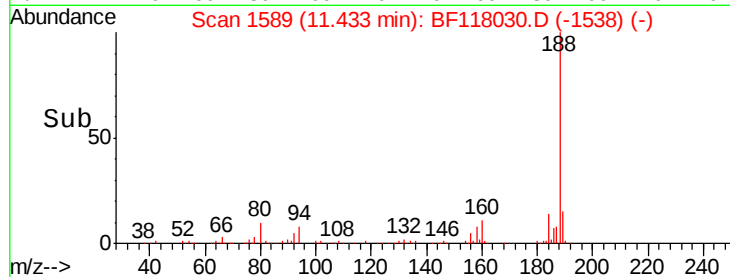
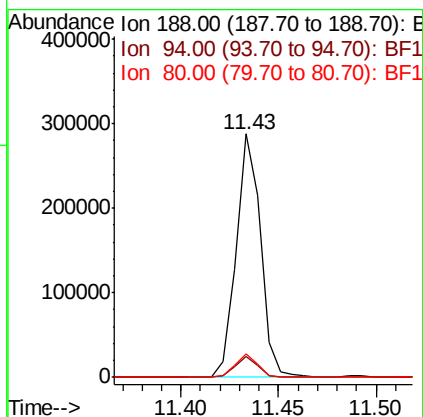
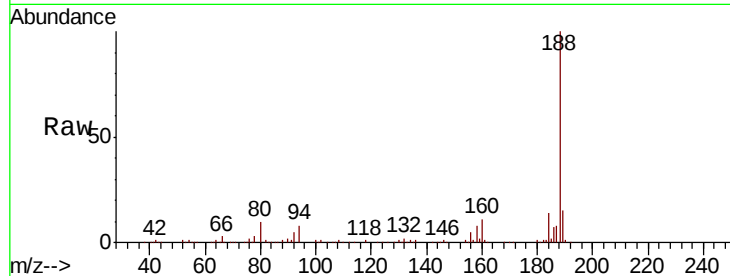




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: BF118030.D
 Acq: 27 Nov 2019 5:58

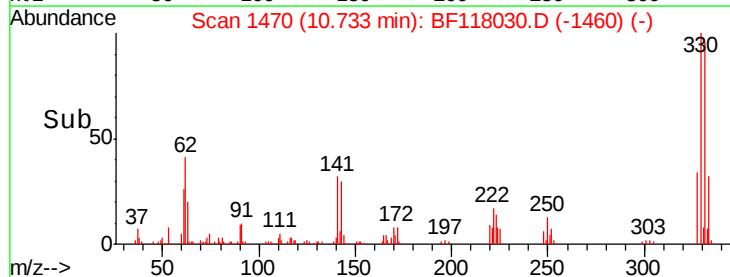
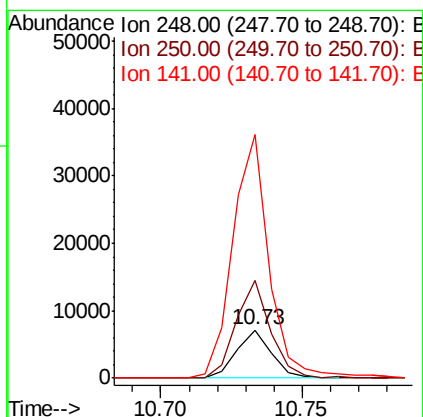
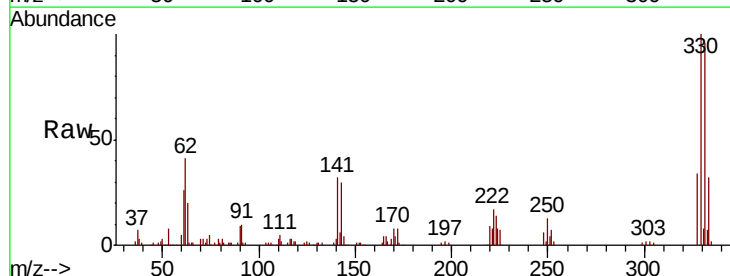
Instrument :
 BNA_F
 ClientSampled :

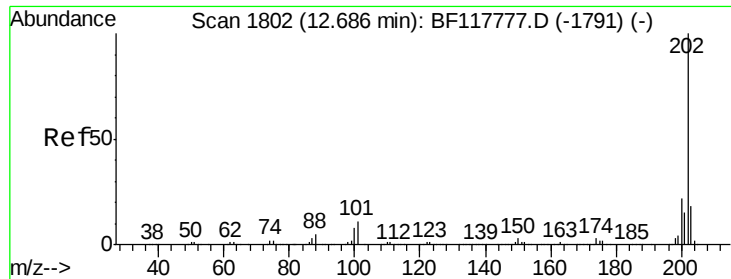
Tot Ion:188 Resp: 249774
 Ion Ratio Lower Upper
 188 100
 94 8.5 6.6 10.0
 80 9.9 7.2 10.8



#67
 4-Bromophenyl-phenylether
 Concen: 2.263 ng
 RT: 10.73 min Scan# 1470
 Delta R.T. -0.24 min
 Lab File: BF118030.D
 Acq: 27 Nov 2019 5:58

Tgt Ion:248 Resp: 6098
 Ion Ratio Lower Upper
 248 100
 250 203.6 76.6 115.0#
 141 506.4 55.9 83.9#

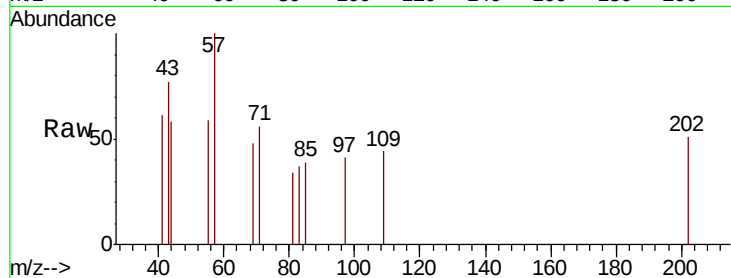




#75
Fluoranthene
Concen: Below Cal
RT: 12.66 min Scan# 1797
Delta R.T. 0.01 min
Lab File: BF118030.D
Acq: 27 Nov 2019 5:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	31.1
203	0.0	0.0	38.2



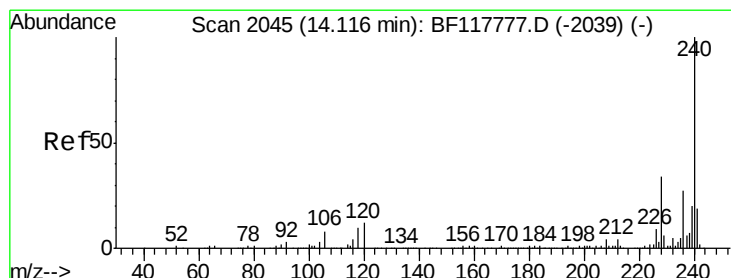
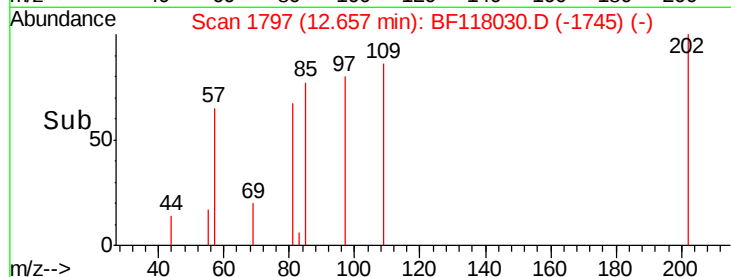
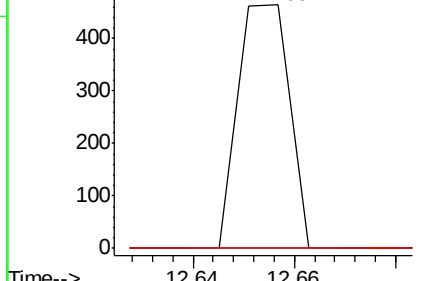
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

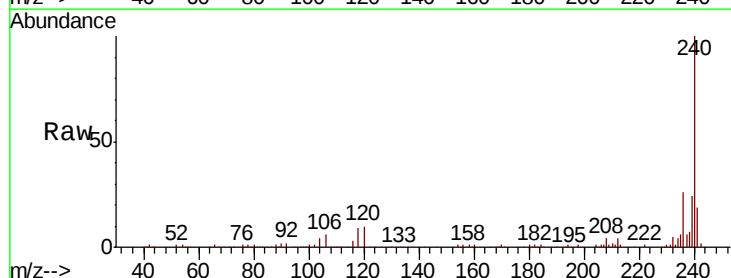
Ion 203.00 (202.70 to 203.70): E

12.66



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.09 min Scan# 2040
Delta R.T. 0.00 min
Lab File: BF118030.D
Acq: 27 Nov 2019 5:58

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.8	9.5	14.3
236	25.5	21.3	31.9



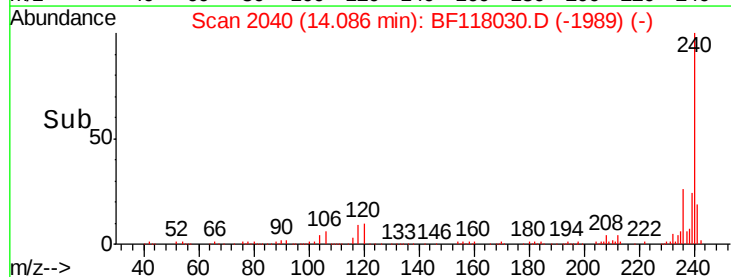
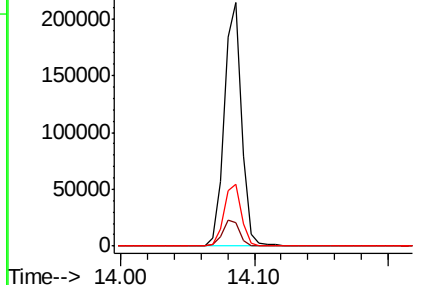
Abundance

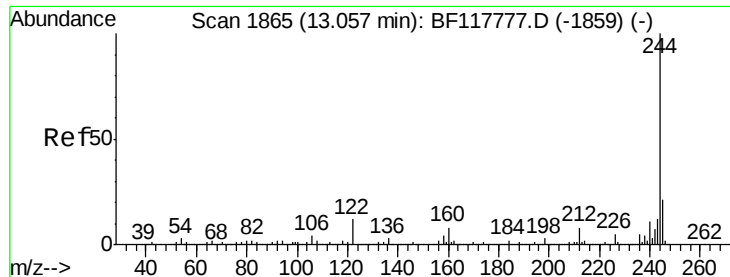
Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

14.09





#79

Terphenyl-d14

Concen: 55.712 ng

RT: 13.02 min Scan# 1859

Delta R.T. -0.01 min

Lab File: BF118030.D

Acq: 27 Nov 2019 5:58

Instrument :

BNA_F

ClientSampleId :

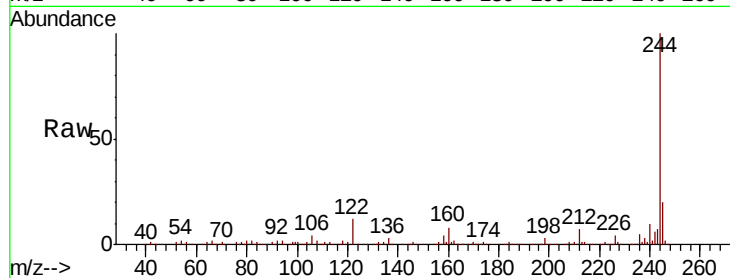
Tot Ion:244 Resp: 602040

Ion Ratio Lower Upper

244 100

212 6.9 6.3 9.5

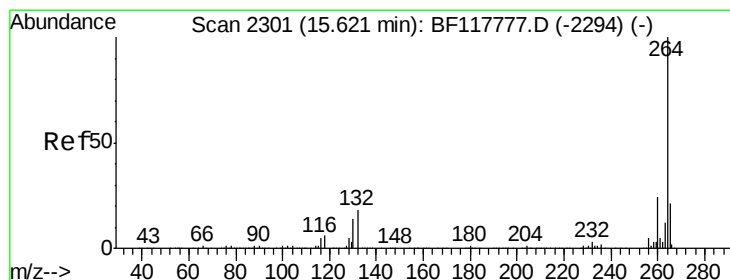
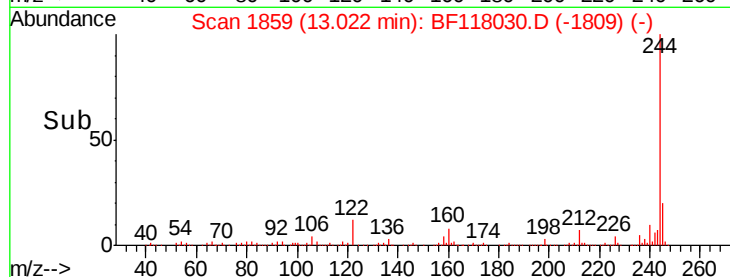
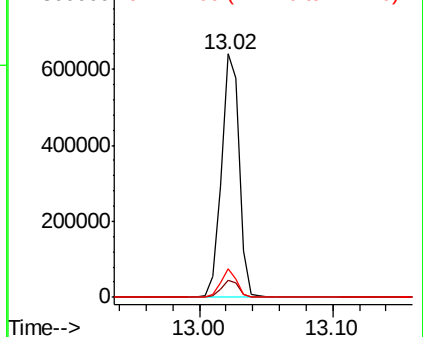
122 11.5 9.4 14.2



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: 15.59 min Scan# 2295

Delta R.T. 0.01 min

Lab File: BF118030.D

Acq: 27 Nov 2019 5:58

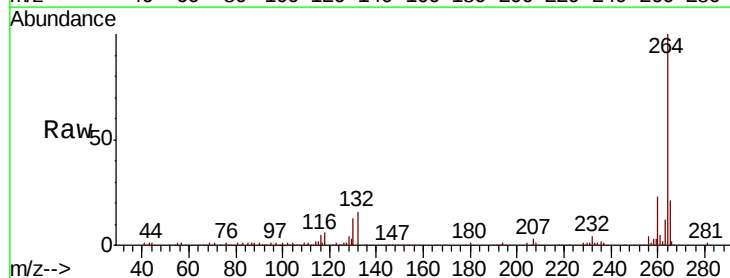
Tgt Ion:264 Resp: 157520

Ion Ratio Lower Upper

264 100

260 23.0 19.4 29.0

265 20.5 17.1 25.7



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

