

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121719\
 Data File : BF118239.D
 Acq On : 17 Dec 2019 21:16
 Operator : JU
 Sample : K6324-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 18 05:05:46 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 06 17:34:43 2019
 Response via : Initial Calibration

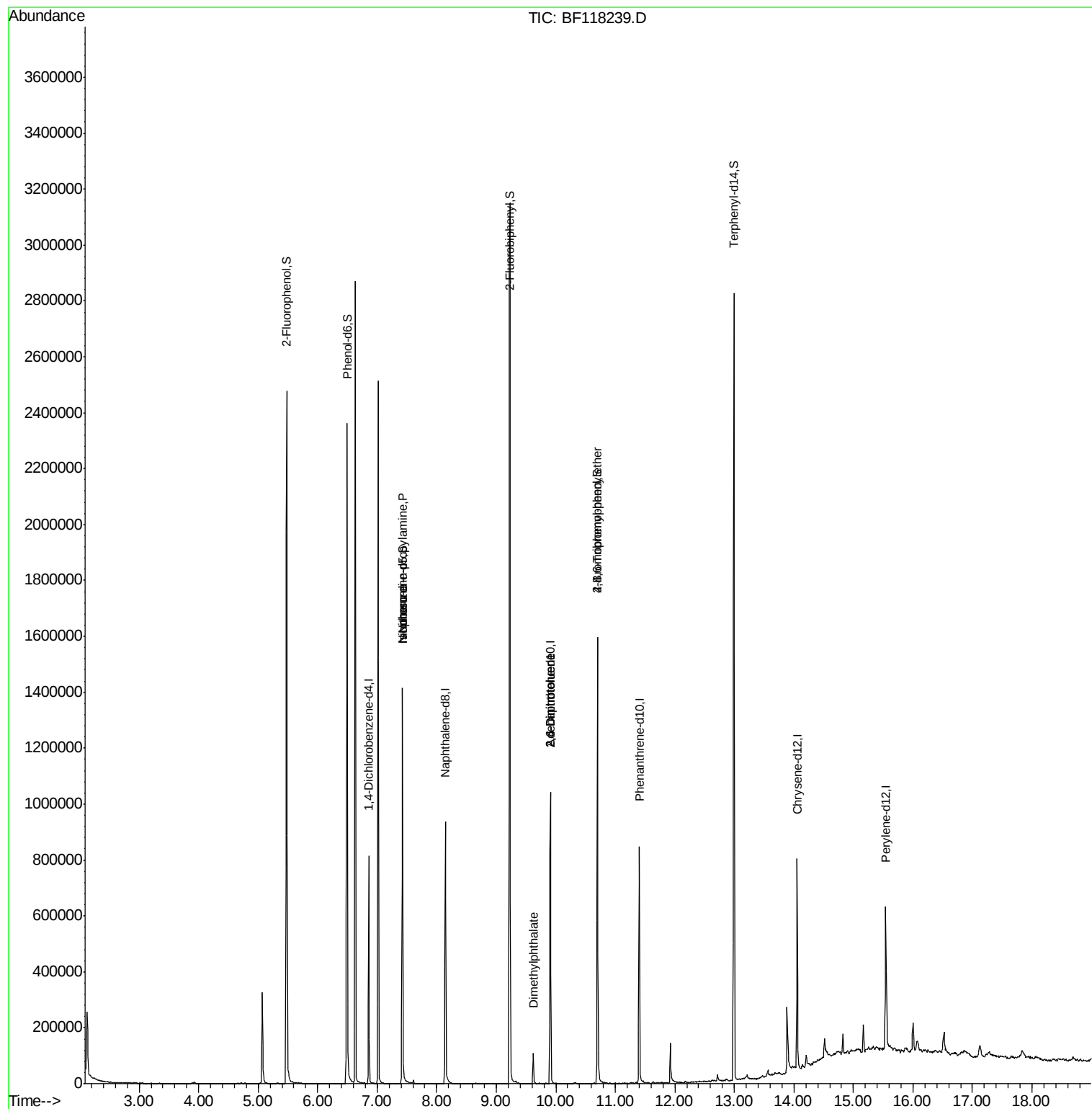
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	122106	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	457813	20.00	ng	-0.01
39) Acenaphthene-d10	9.91	164	214855	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	341830	20.00	ng	0.00
76) Chrysene-d12	14.06	240	266482	20.00	ng	-0.01
87) Perylene-d12	15.54	264	224338	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	710714	101.94	ng	0.00
7) Phenol-d6	6.49	99	895518	106.20	ng	0.00
23) Nitrobenzene-d5	7.42	82	515054	63.29	ng	-0.02
42) 2,4,6-Tribromophenol	10.70	330	224386	85.97	ng	-0.01
45) 2-Fluorobiphenyl	9.23	172	1015004	71.88	ng	-0.01
79) Terphenyl-d14	12.99	244	916285	59.13	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.49	77	1482	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.42	70	70400	13.739	ng	# 78
25) Isophorone	7.42	82	515046	37.335	ng	# 62
50) Dimethylphthalate	9.62	163	51240	3.229	ng	# 99
51) 2,6-Dinitrotoluene	9.91	165	27811	8.059	ng	# 27
57) 2,4-Dinitrotoluene	9.91	165	27811	6.038	ng	# 25
67) 4-Bromophenyl-phenylether	10.70	248	13599	3.485	ng	# 1

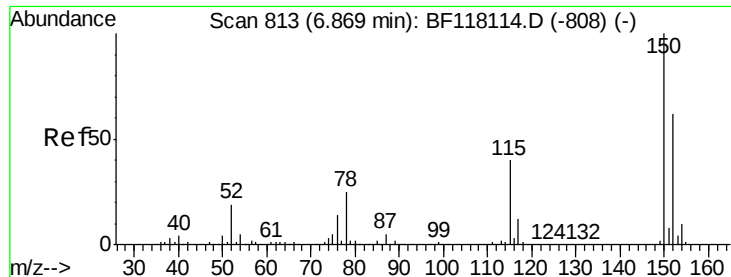
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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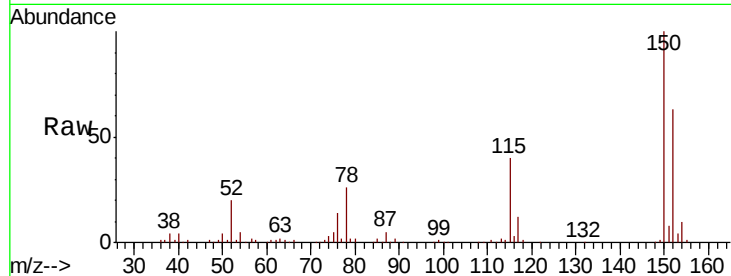


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 811
 Delta R.T. -0.01 min
 Lab File: BF118239.D
 Acq: 17 Dec 2019 21:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	128.3	192.5
115	62.6	51.1	76.7

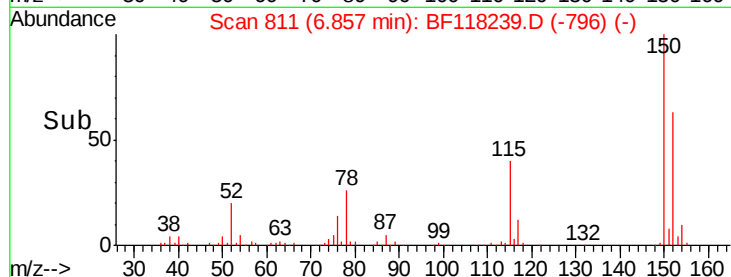
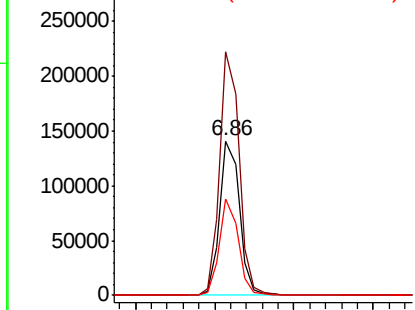


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

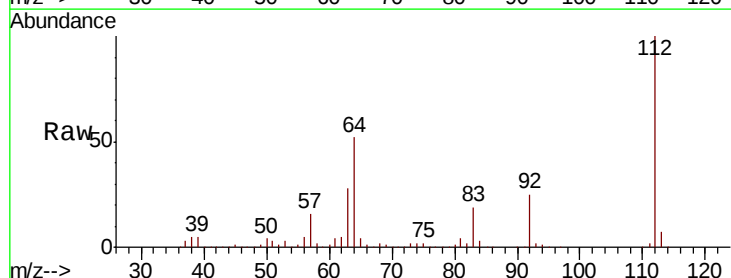
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 101.943 ng
 RT: 5.48 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: BF118239.D
 Acq: 17 Dec 2019 21:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.6	41.3	61.9
63	28.1	22.4	33.6

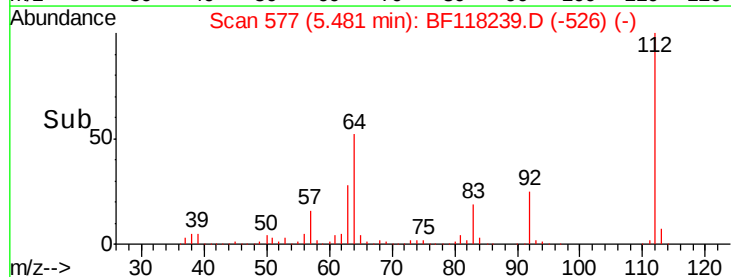
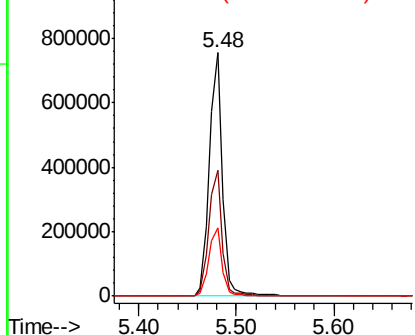


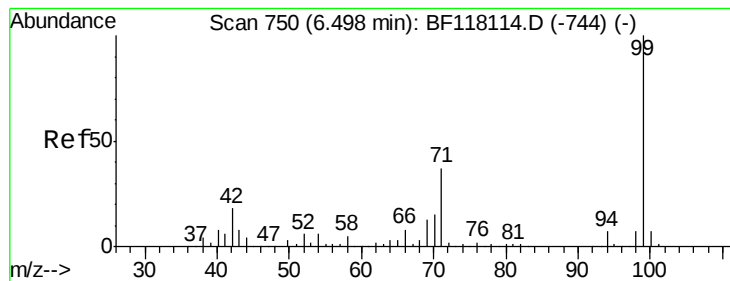
Abundance

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: 106.199 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF118239.D

Acq: 17 Dec 2019 21:16

Instrument :

BNA_F

ClientSampleId :

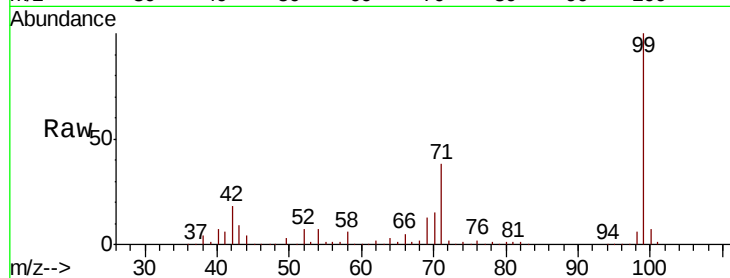
Tot Ion: 99 Resp: 895518

Ion Ratio Lower Upper

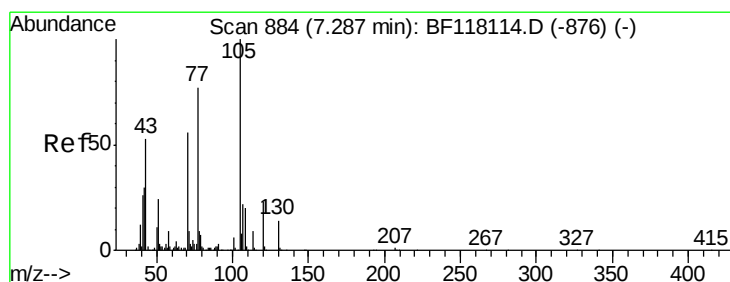
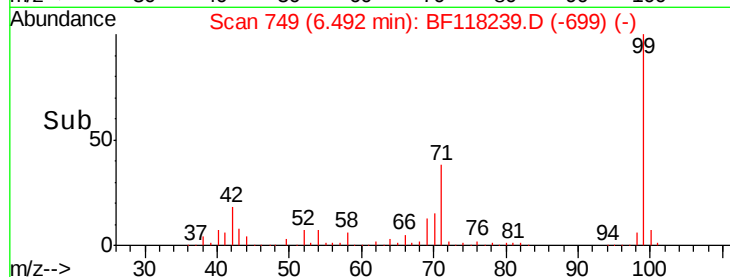
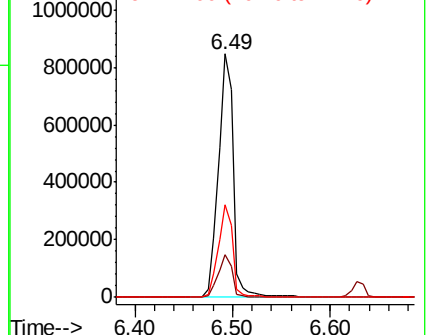
99 100

42 17.8 14.1 21.1

71 37.8 29.7 44.5



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: 13.739 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.14 min

Lab File: BF118239.D

Acq: 17 Dec 2019 21:16

Tgt Ion: 70 Resp: 70400

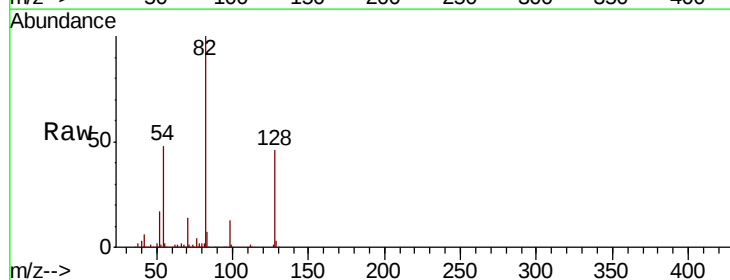
Ion Ratio Lower Upper

70 100

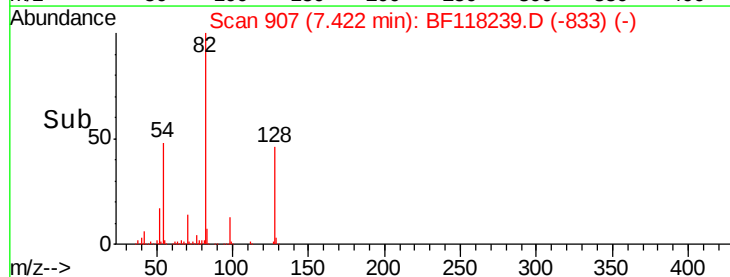
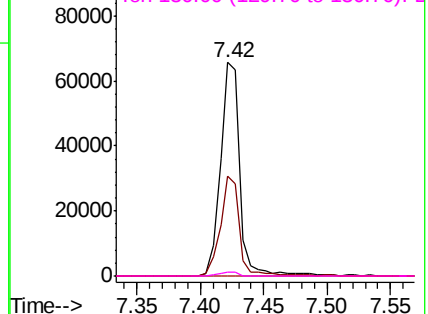
42 46.9 43.2 64.8

101 0.0 8.1 12.1#

130 2.1 19.8 29.8#



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

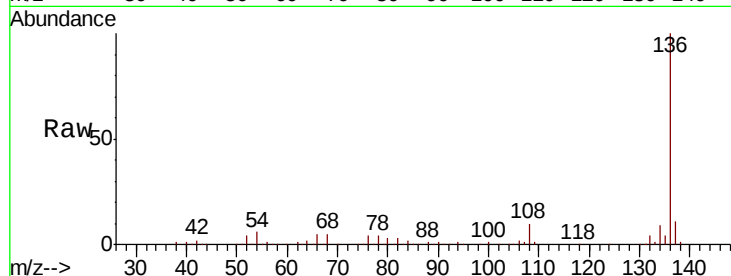




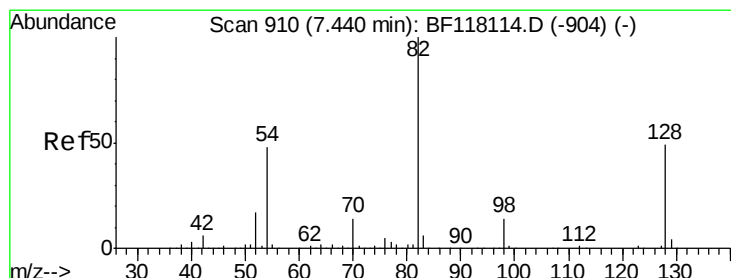
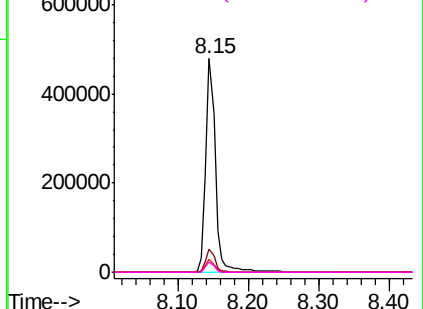
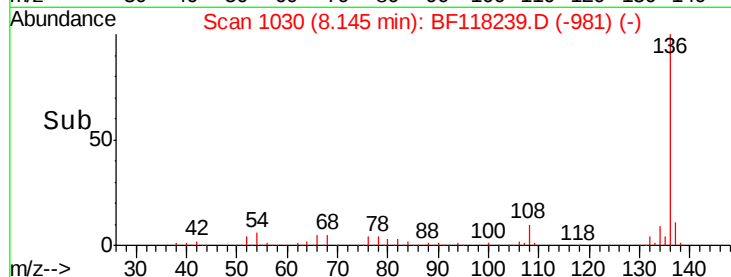
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF118239.D
Acq: 17 Dec 2019 21:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	457813
Ion Ratio	Lower	Upper
136	100	
137	10.9	9.0 13.6
54	5.9	5.0 7.6
68	4.8	3.8 5.8

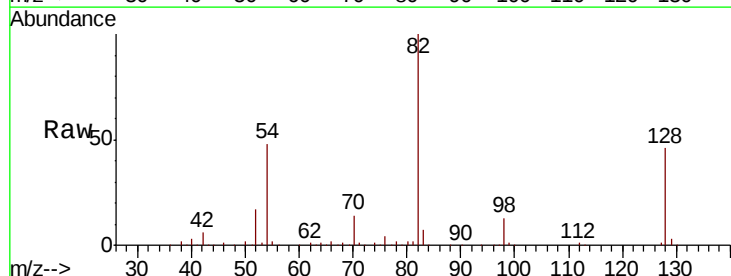


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

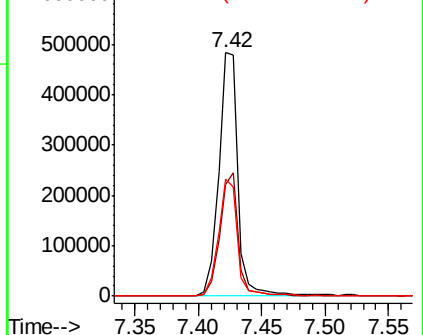
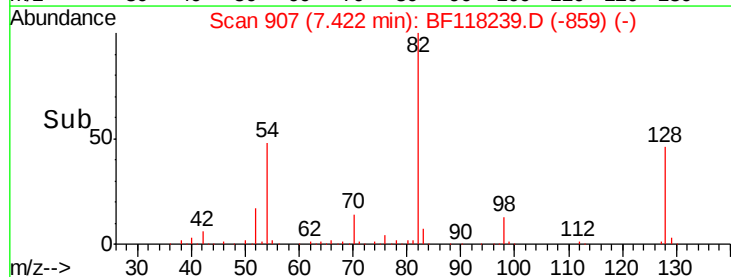


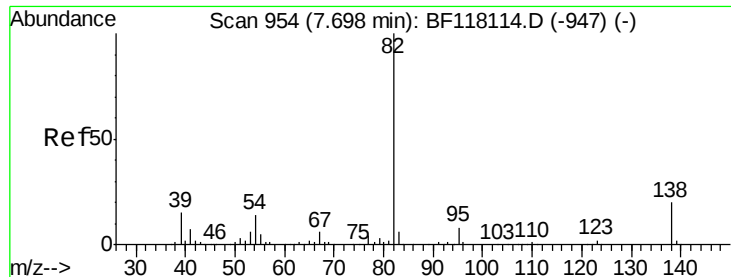
#23
Nitrobenzene-d5
Concen: 63.292 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.02 min
Lab File: BF118239.D
Acq: 17 Dec 2019 21:16

Tgt Ion: 82	Resp:	515054
Ion Ratio	Lower	Upper
82	100	
128	45.9	39.1 58.7
54	47.9	38.2 57.2



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: 37.335 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.28 min

Lab File: BF118239.D

Acq: 17 Dec 2019 21:16

Instrument :

BNA_F

ClientSampleId :

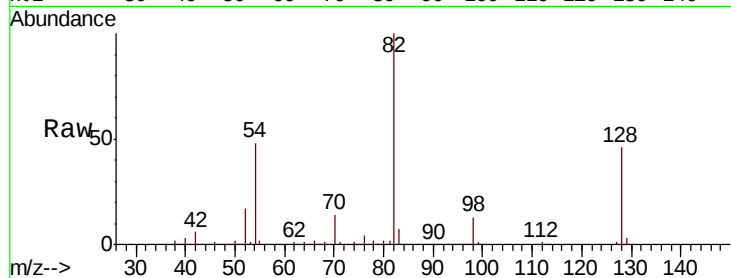
Tot Ion: 82 Resp: 515046

Ion Ratio Lower Upper

82 100

95 0.0 6.3 9.5#

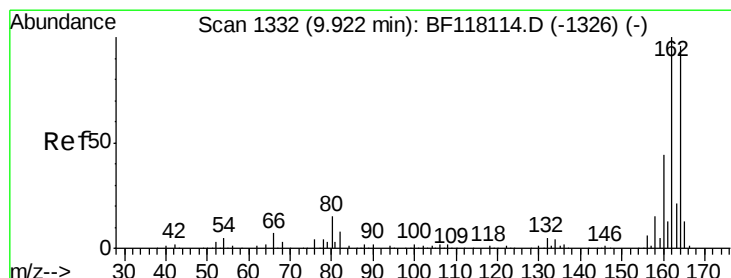
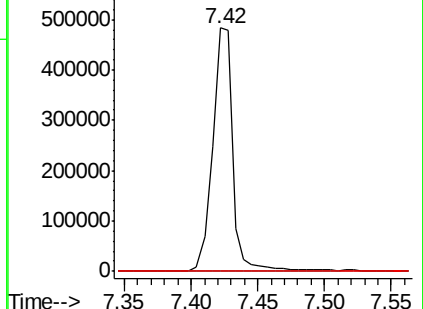
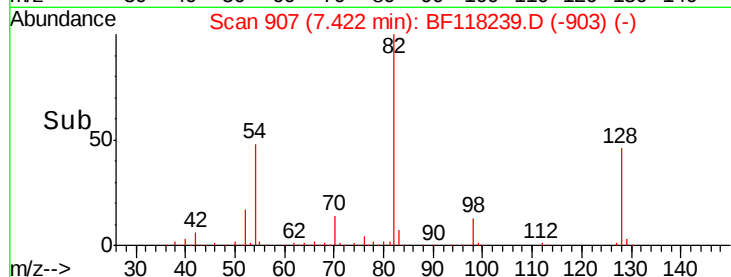
138 0.0 16.3 24.5#



Abundance Ion 82.00 (81.70 to 82.70): BF118239.D (-903) (-)

Ion 95.00 (94.70 to 95.70): BF118239.D (-903) (-)

Ion 138.00 (137.70 to 138.70): BF118239.D (-903) (-)



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF118239.D

Acq: 17 Dec 2019 21:16

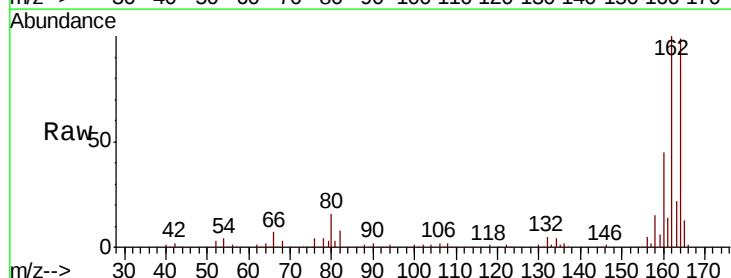
Tgt Ion: 164 Resp: 214855

Ion Ratio Lower Upper

164 100

162 101.3 83.4 125.0

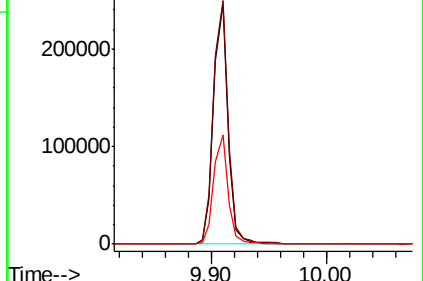
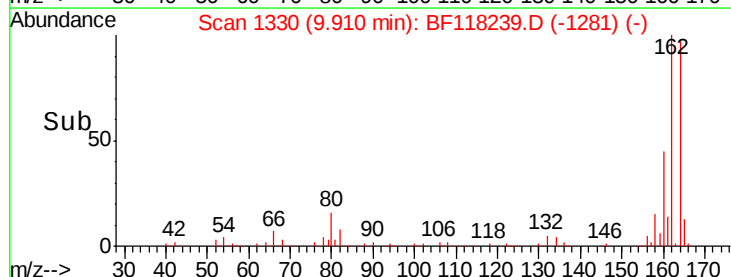
160 45.3 36.6 54.8

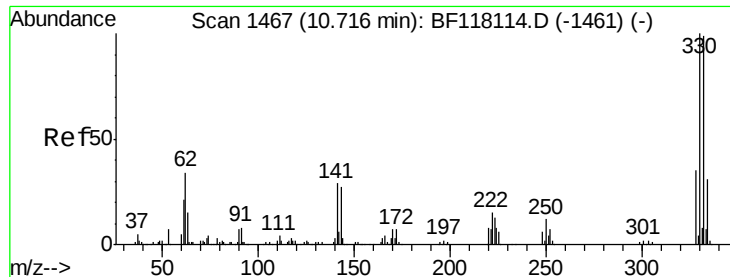


Abundance Ion 164.00 (163.70 to 164.70): BF118239.D (-1281) (-)

Ion 162.00 (161.70 to 162.70): BF118239.D (-1281) (-)

Ion 160.00 (159.70 to 160.70): BF118239.D (-1281) (-)





#42

2,4,6-Tribromophenol

Concen: 85.968 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BF118239.D

Acq: 17 Dec 2019 21:16

Instrument :

BNA_F

ClientSampleId :

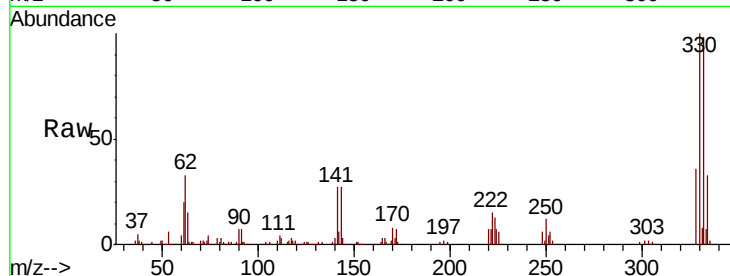
Tot Ion:330 Resp: 224386

Ion Ratio Lower Upper

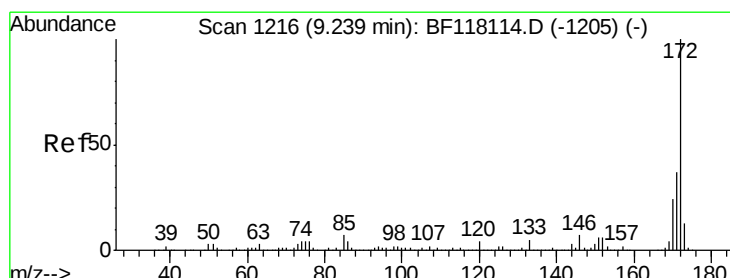
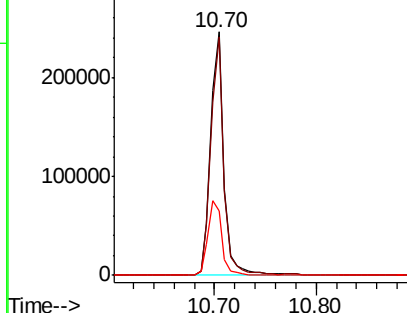
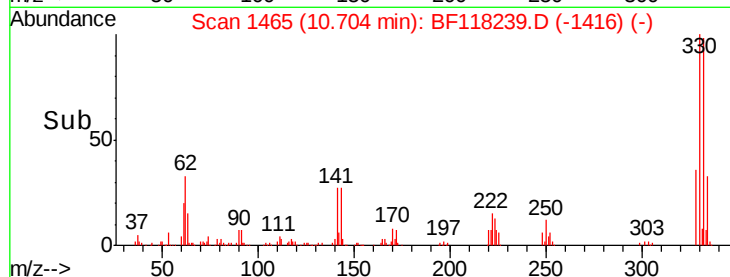
330 100

332 96.0 78.1 117.1

141 32.7 26.9 40.3



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: 71.885 ng

RT: 9.23 min Scan# 1214

Delta R.T. -0.01 min

Lab File: BF118239.D

Acq: 17 Dec 2019 21:16

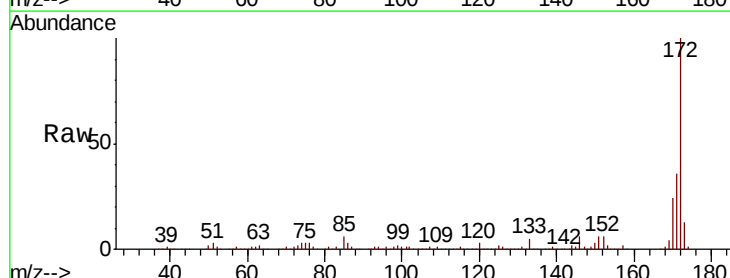
Tgt Ion:172 Resp: 1015004

Ion Ratio Lower Upper

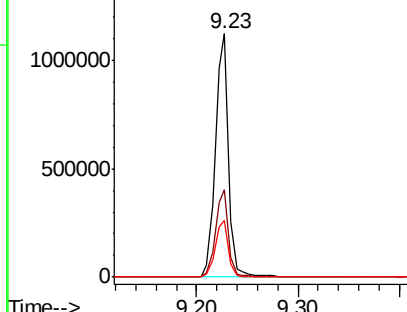
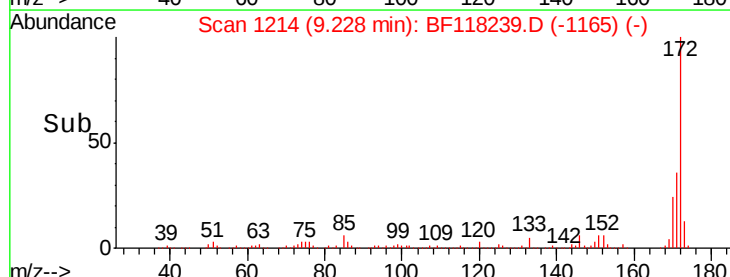
172 100

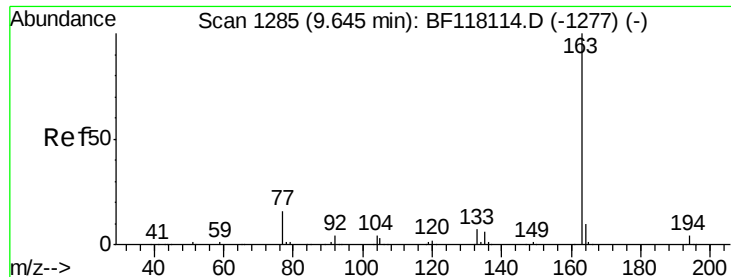
171 35.7 29.2 43.8

170 23.5 19.4 29.2



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

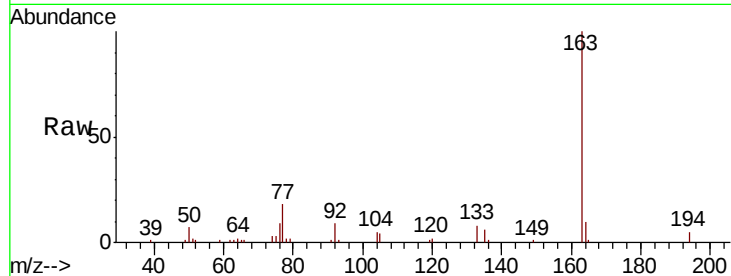




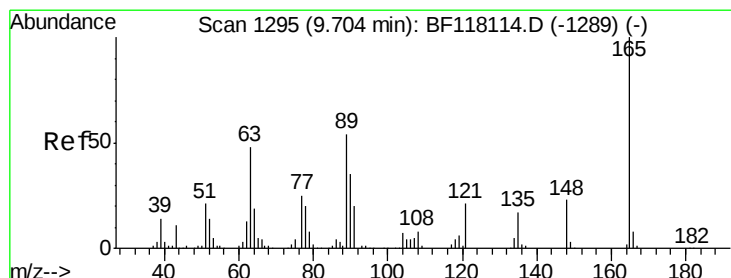
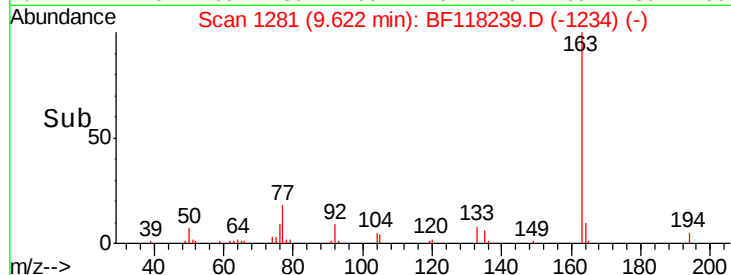
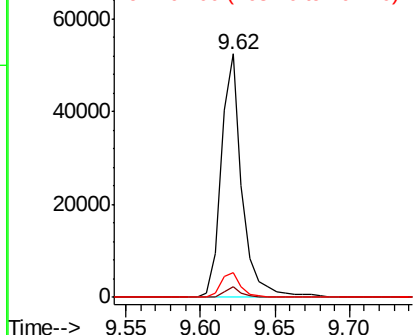
#50
Dimethylphthalate
Concen: 3.229 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BF118239.D
Acq: 17 Dec 2019 21:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 51240
Ion Ratio Lower Upper
163 100
194 4.6 3.1 4.7
164 10.0 7.7 11.5

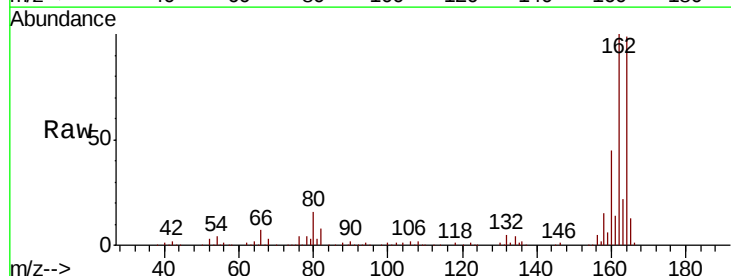


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

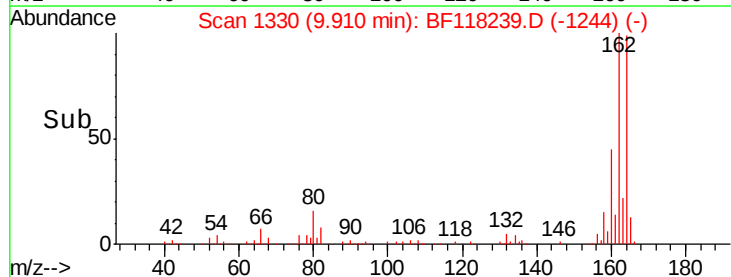
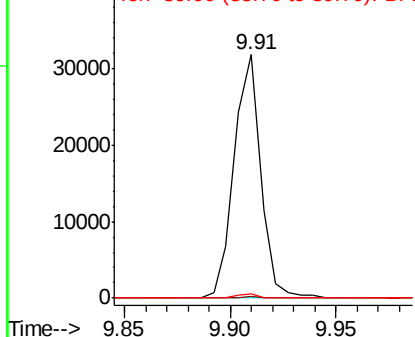


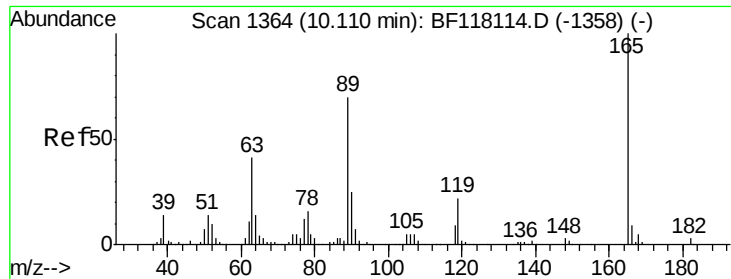
#51
2,6-Dinitrotoluene
Concen: 8.059 ng
RT: 9.91 min Scan# 1330
Delta R.T. 0.21 min
Lab File: BF118239.D
Acq: 17 Dec 2019 21:16

Tgt Ion:165 Resp: 27811
Ion Ratio Lower Upper
165 100
63 0.9 41.4 62.0#
89 1.5 42.9 64.3#



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

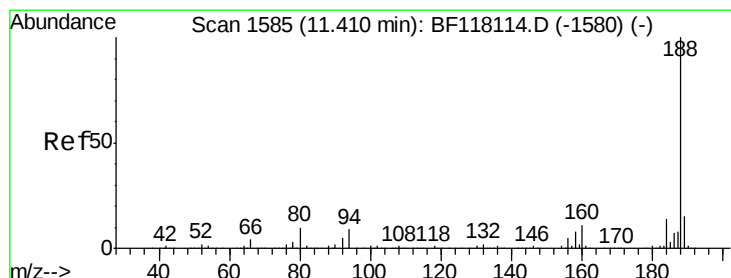
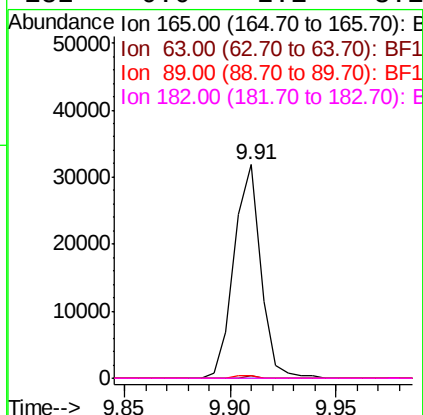
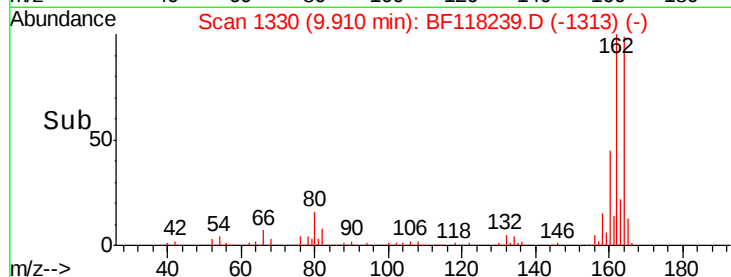
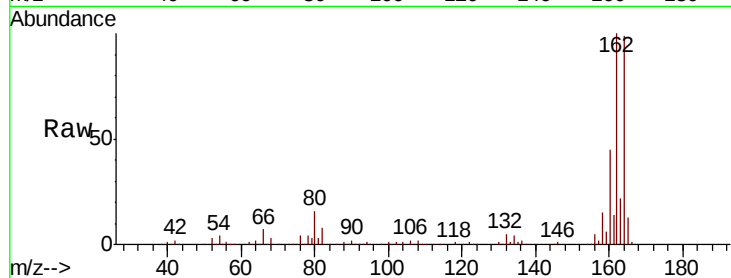




#57
 2,4-Dinitrotoluene
 Concen: 6.038 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.20 min
 Lab File: BF118239.D
 Acq: 17 Dec 2019 21:16

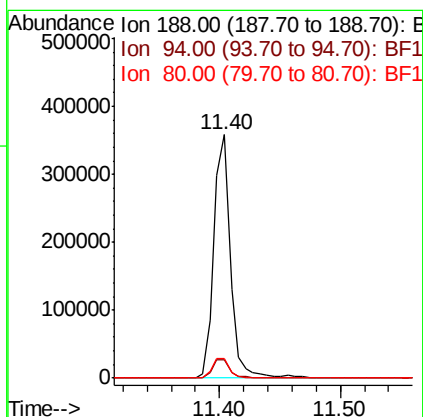
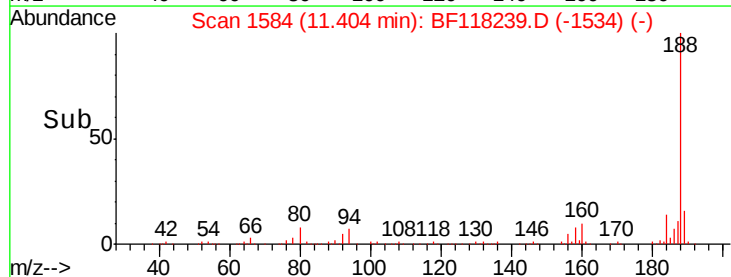
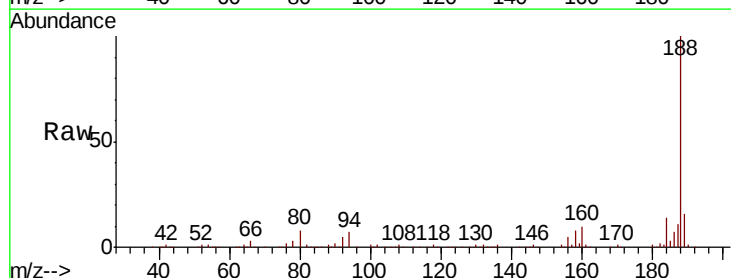
Instrument :
 BNA_F
 ClientSampled :

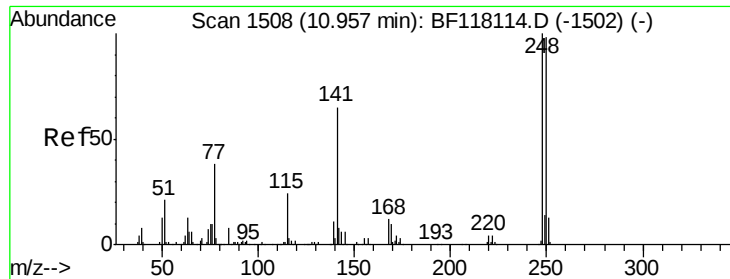
Tot Ion:165	Resp:	27811
Ion Ratio	Lower	Upper
165	100	
63	0.9	32.6 49.0#
89	1.5	56.1 84.1#
182	0.0	2.1 3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF118239.D
 Acq: 17 Dec 2019 21:16

Tgt Ion:188	Resp:	341830
Ion Ratio	Lower	Upper
188	100	
94	7.4	7.1 10.7
80	8.2	7.9 11.9

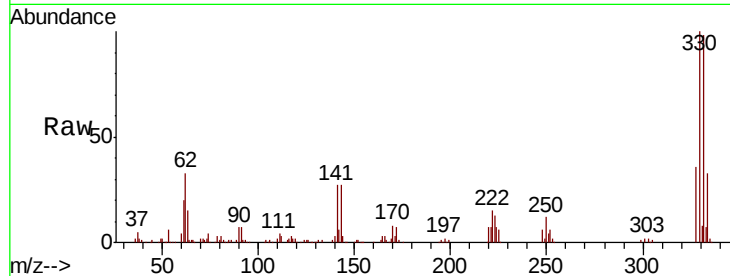




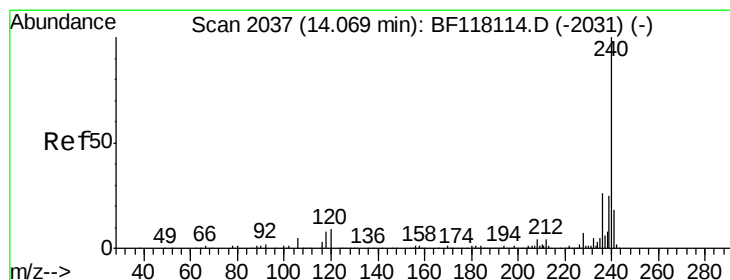
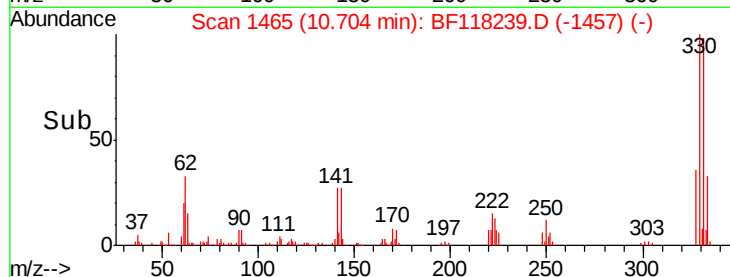
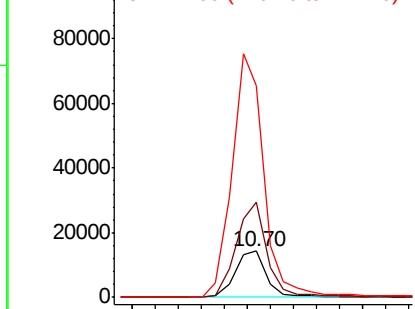
#67
4-Bromophenyl-phenylether
Concen: 3.485 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.25 min
Lab File: BF118239.D
Acq: 17 Dec 2019 21:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 13599
Ion Ratio Lower Upper
248 100
250 204.3 78.3 117.5#
141 455.0 52.2 78.4#

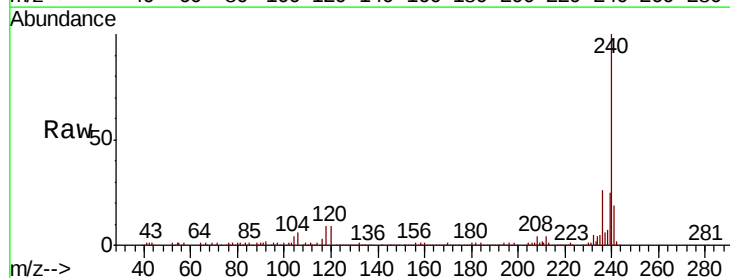


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

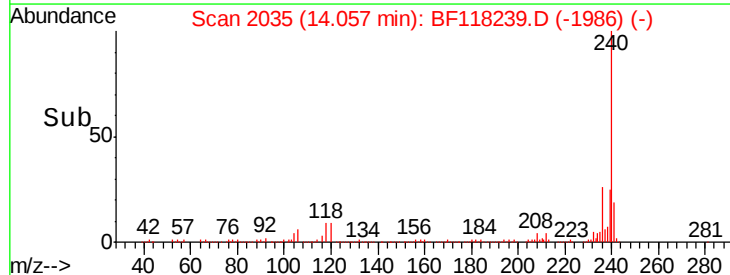
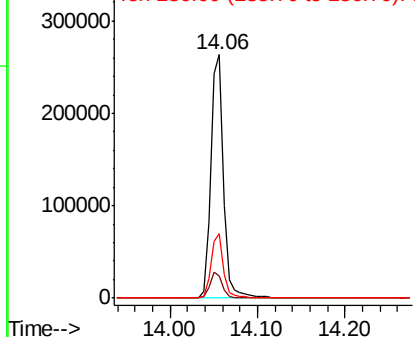


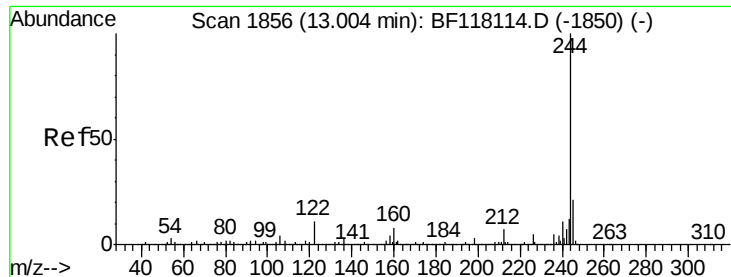
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF118239.D
Acq: 17 Dec 2019 21:16

Tgt Ion:240 Resp: 266482
Ion Ratio Lower Upper
240 100
120 9.0 7.1 10.7
236 26.4 21.0 31.6



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: 59.129 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF118239.D

Acq: 17 Dec 2019 21:16

Instrument :

BNA_F

ClientSampleId :

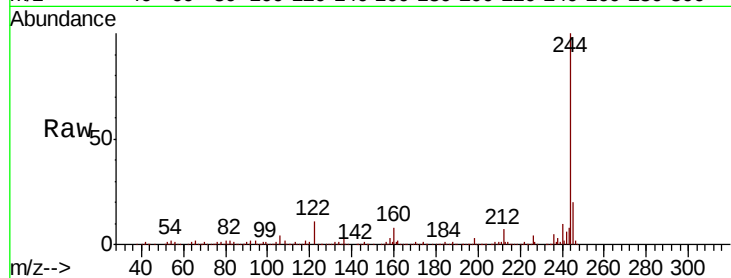
Tot Ion:244 Resp: 916285

Ion Ratio Lower Upper

244 100

212 7.0 5.9 8.9

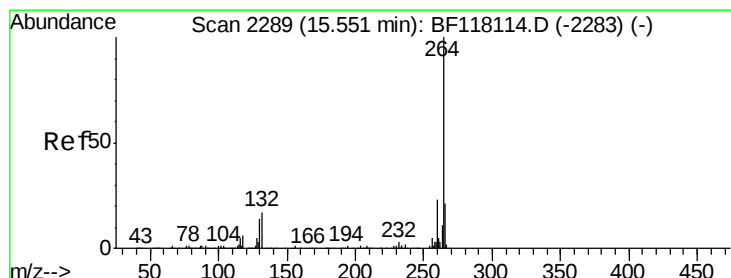
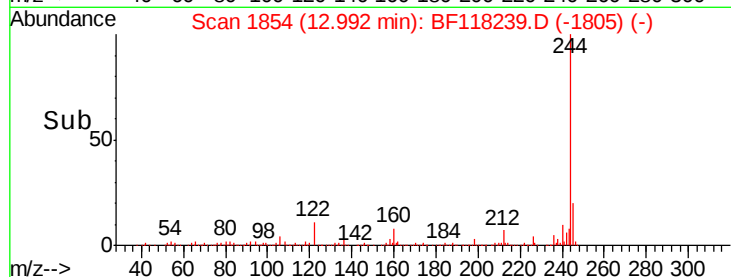
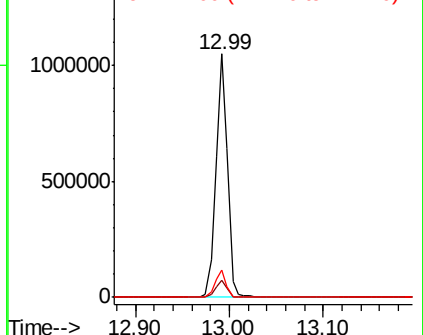
122 11.0 9.0 13.6



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: 15.54 min Scan# 2288

Delta R.T. -0.01 min

Lab File: BF118239.D

Acq: 17 Dec 2019 21:16

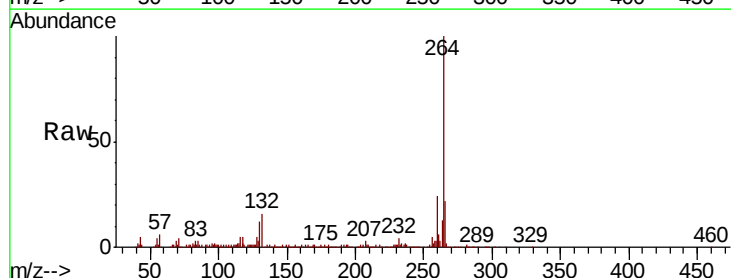
Tgt Ion:264 Resp: 224338

Ion Ratio Lower Upper

264 100

260 24.5 18.6 28.0

265 22.2 16.8 25.2



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

