

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090319\
 Data File : BF116793.D
 Acq On : 4 Sep 2019 1:27
 Operator : HP/JU
 Sample : K4622-30
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 04 06:07:23 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	134904	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	521880	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	267780	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	429190	20.00	ng	0.00
76) Chrysene-d12	13.99	240	276794	20.00	ng	0.00
87) Perylene-d12	15.44	264	292200	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	981227	117.84	ng	0.01
7) Phenol-d6	6.48	99	1208024	110.48	ng	0.00
23) Nitrobenzene-d5	7.41	82	875524	95.77	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	284486	158.92	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1473280	92.81	ng	0.00
79) Terphenyl-d14	12.94	244	1354044	90.50	ng	0.00

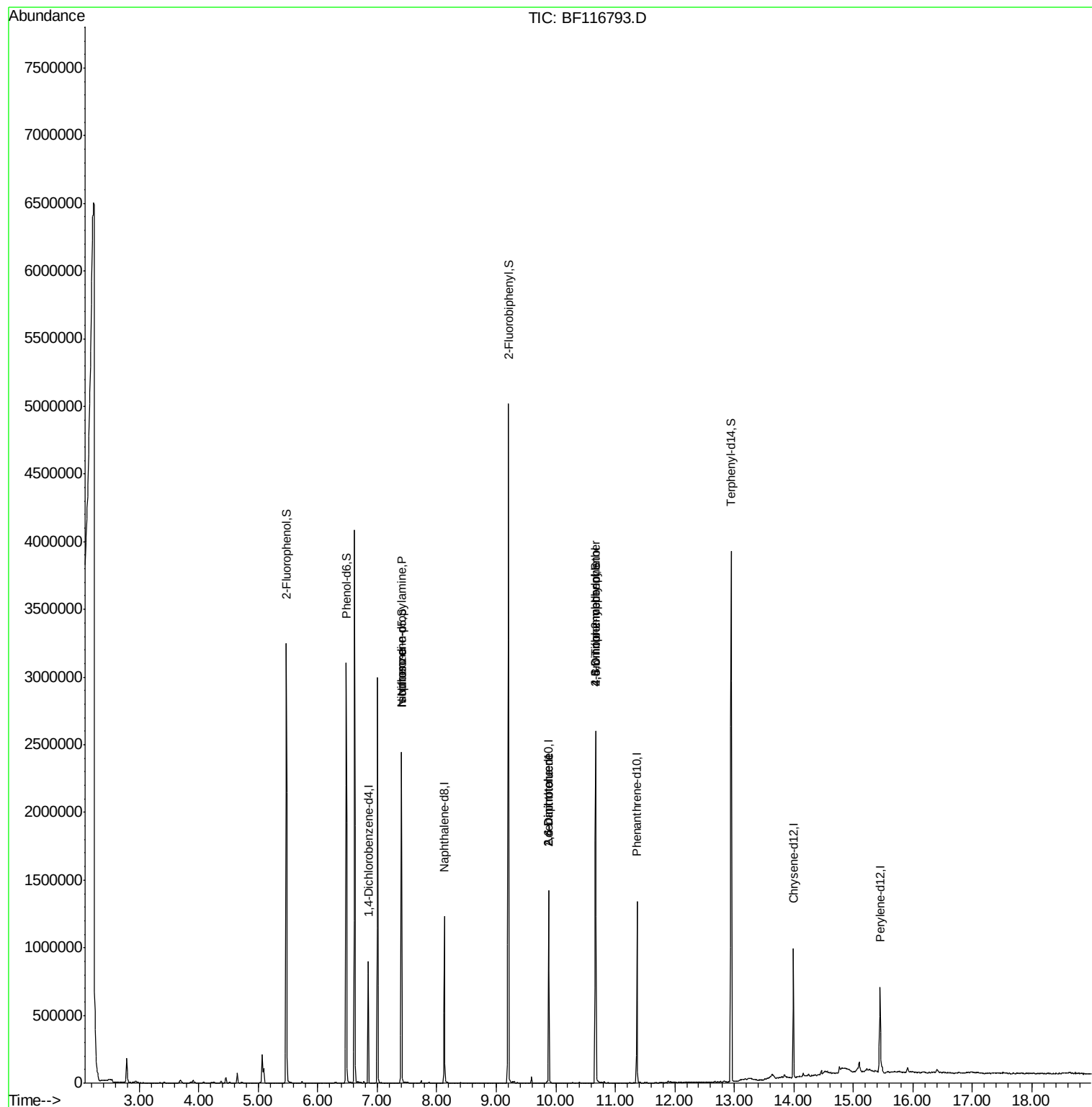
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.41	70	115372	16.025	ng	# 72
25) Isophorone	7.41	82	875517	47.263	ng	# 66
51) 2,6-Dinitrotoluene	9.88	165	33748	9.568	ng	# 20
57) 2,4-Dinitrotoluene	9.88	165	33748	7.825	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.67	198	568	7.755	ng	# 1
67) 4-Bromophenyl-phenylether	10.67	248	17827	4.089	ng	# 1

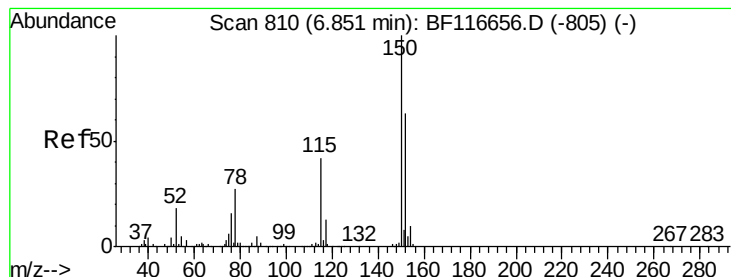
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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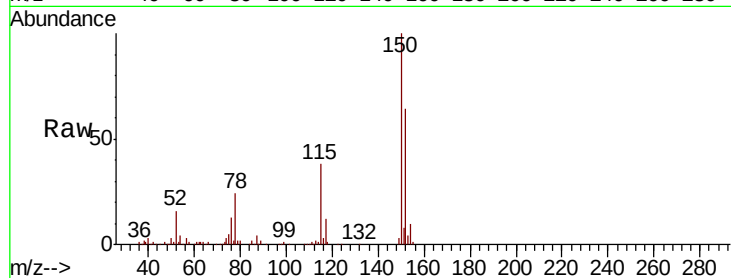


#1

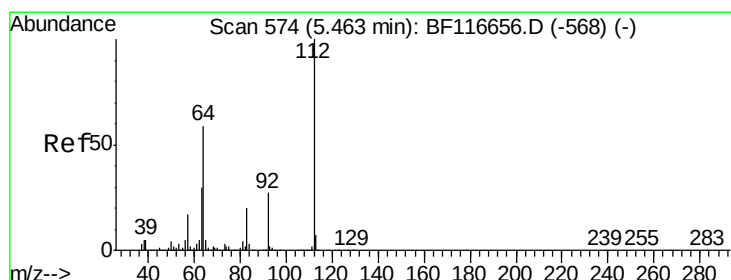
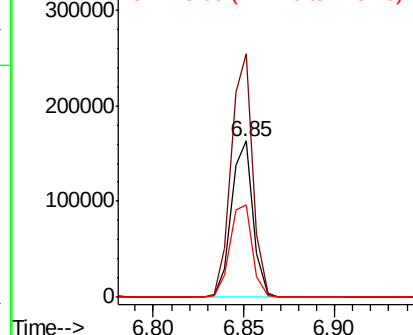
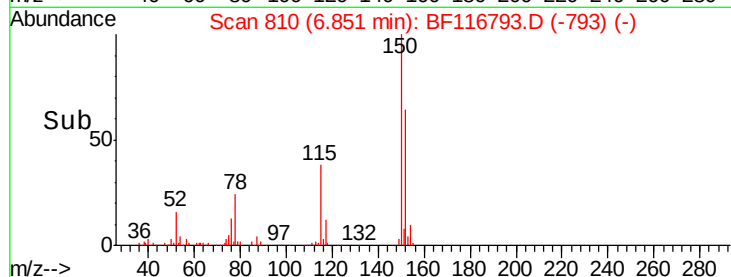
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF116793.D
Acq: 4 Sep 2019 1:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	124.4	186.6
115	59.4	49.9	74.9



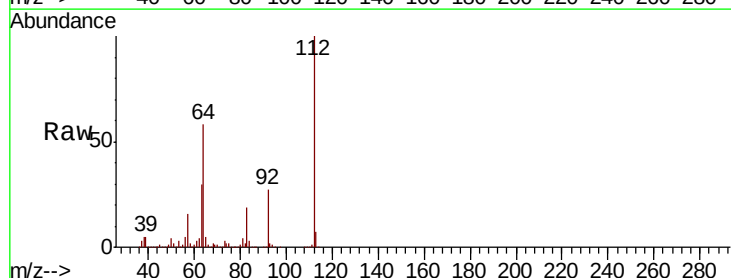
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



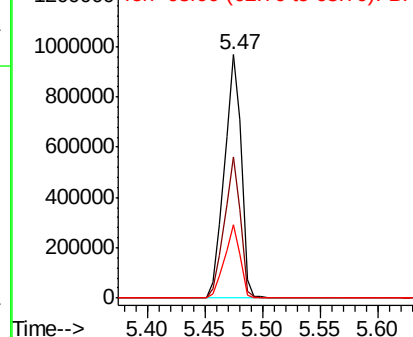
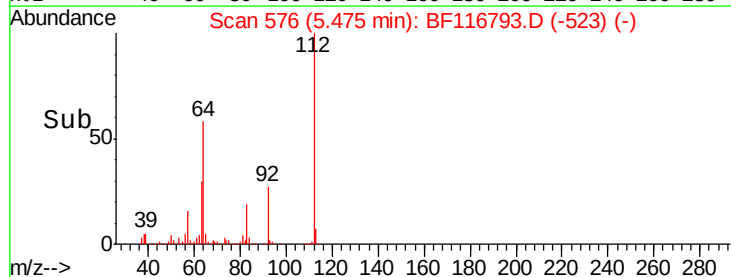
#5

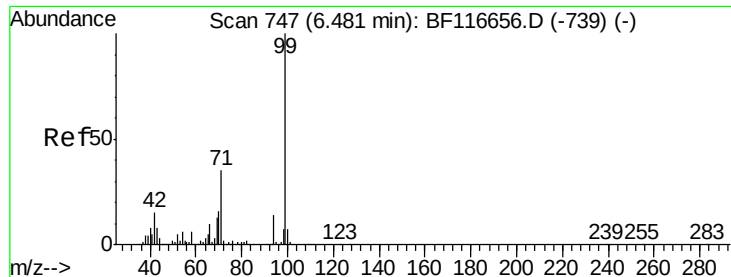
2-Fluorophenol
Concen: 117.835 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF116793.D
Acq: 4 Sep 2019 1:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.1	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: 110.479 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF116793.D

Acq: 4 Sep 2019 1:27

Instrument :

BNA_F

ClientSampleId :

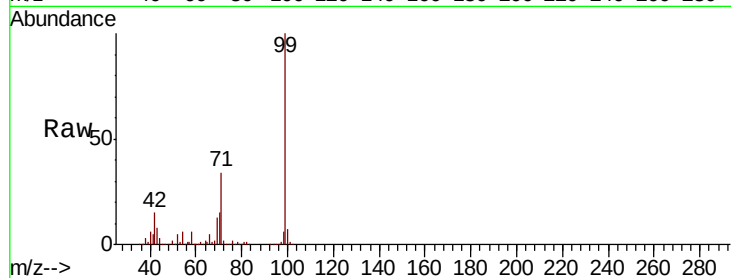
Tot Ion: 99 Resp: 1208024

Ion Ratio Lower Upper

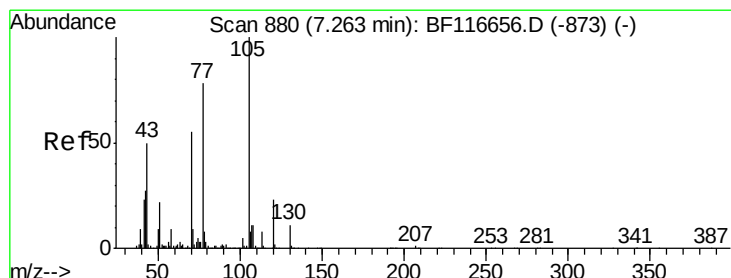
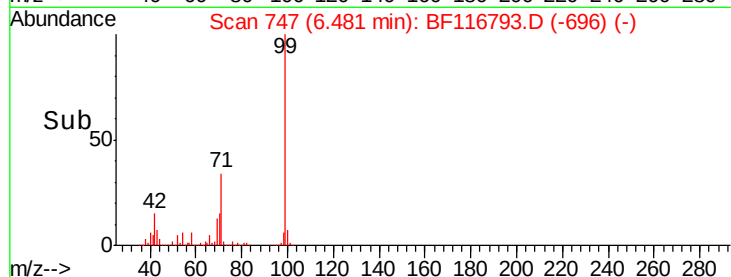
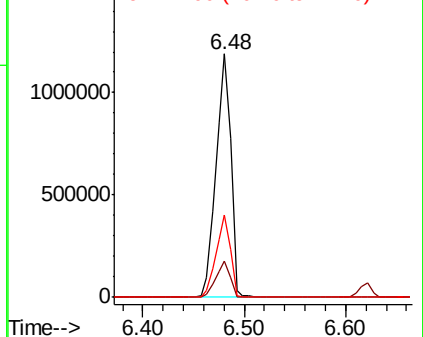
99 100

42 15.0 13.7 20.5

71 33.8 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: 16.025 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.15 min

Lab File: BF116793.D

Acq: 4 Sep 2019 1:27

Tgt Ion: 70 Resp: 115372

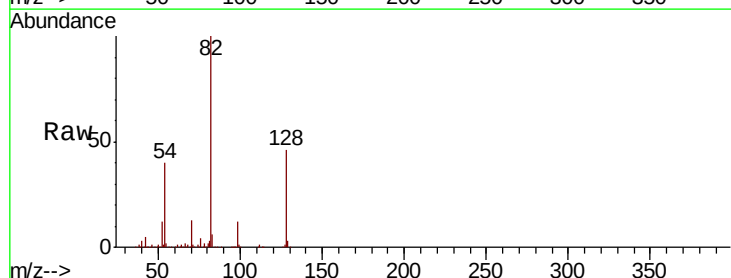
Ion Ratio Lower Upper

70 100

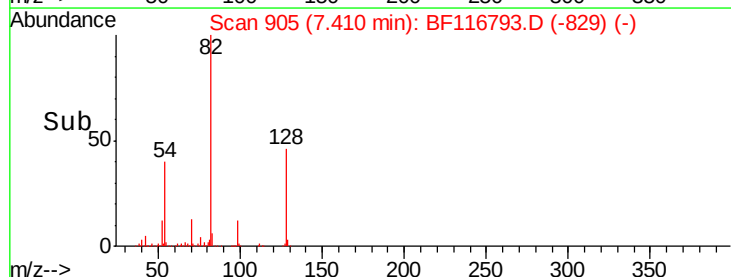
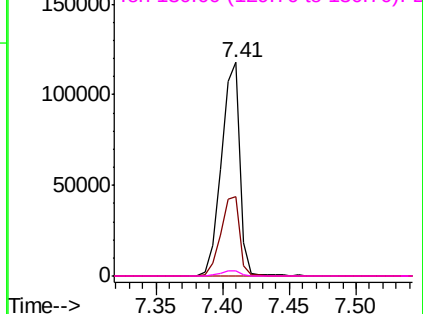
42 37.3 43.5 65.3#

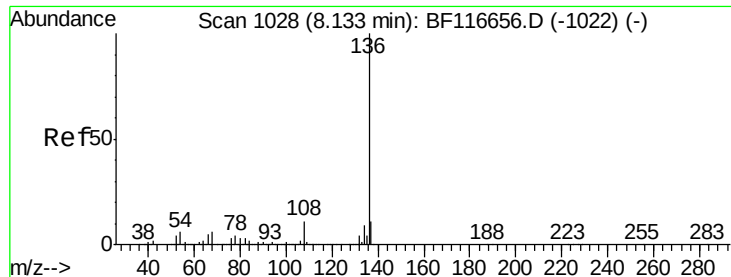
101 0.0 7.8 11.6#

130 2.3 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

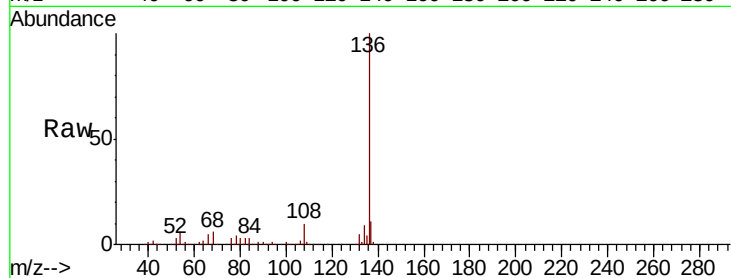




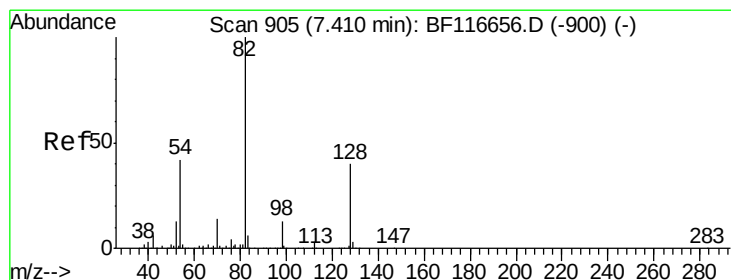
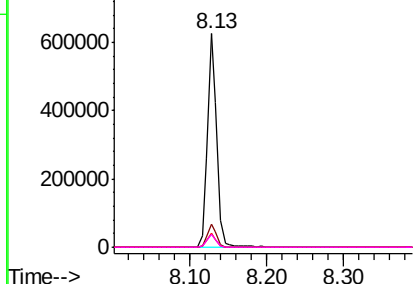
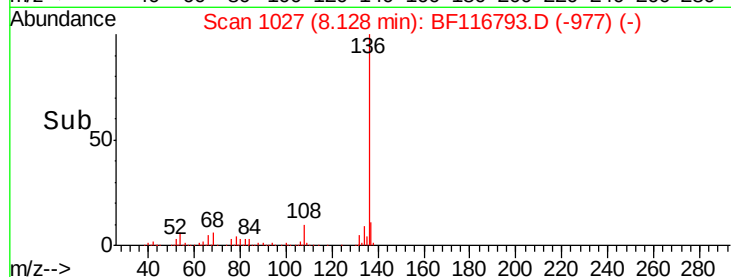
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116793.D
Acq: 4 Sep 2019 1:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	521880
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.9 13.3
54	6.4	4.8 7.2
68	5.8	4.0 6.0

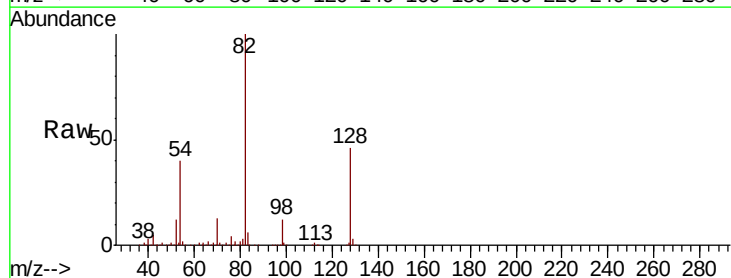


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

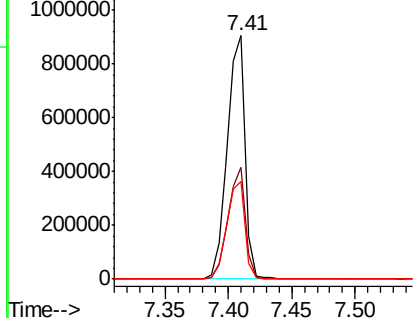
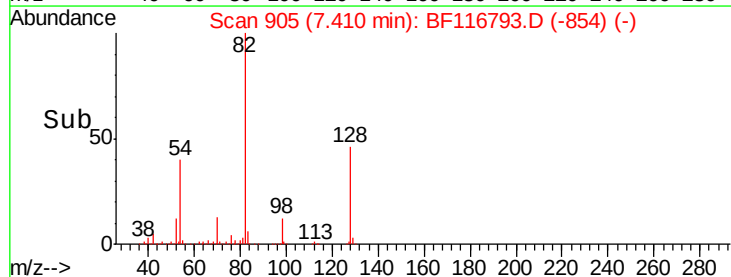


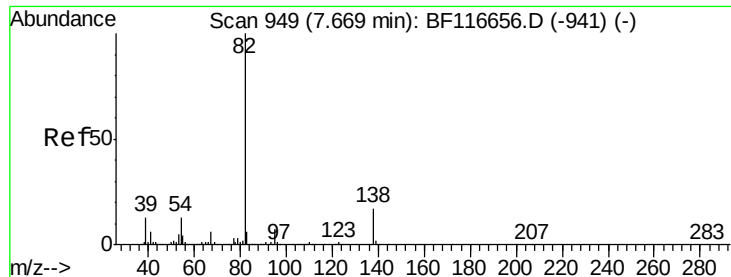
#23
Nitrobenzene-d5
Concen: 95.772 ng
RT: 7.41 min Scan# 905
Delta R.T. 0.00 min
Lab File: BF116793.D
Acq: 4 Sep 2019 1:27

Tgt Ion: 82	Resp:	875524
Ion Ratio	Lower	Upper
82	100	
128	45.9	32.8 49.2
54	39.9	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: 47.263 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF116793.D

Acq: 4 Sep 2019 1:27

Instrument :

BNA_F

ClientSampleId :

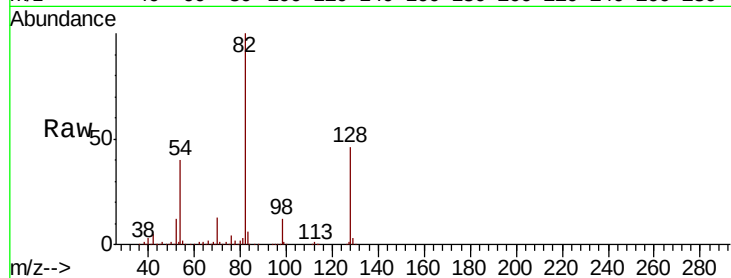
Tot Ion: 82 Resp: 875517

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

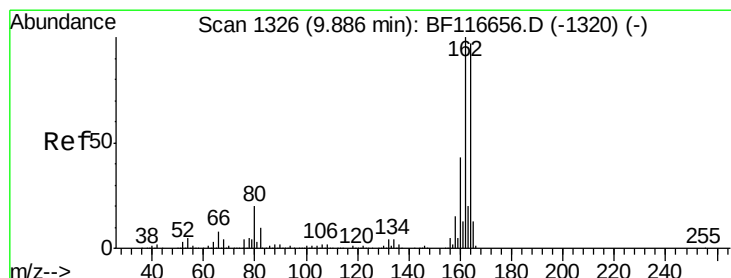
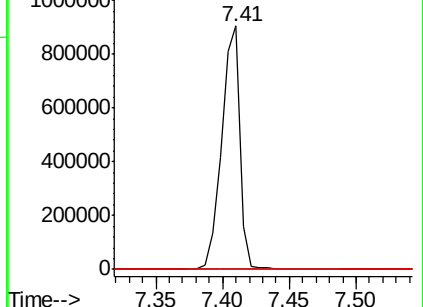
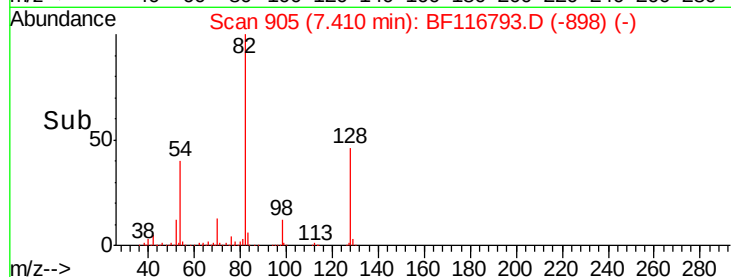
138 0.0 13.5 20.3#



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: BF116793.D

Acq: 4 Sep 2019 1:27

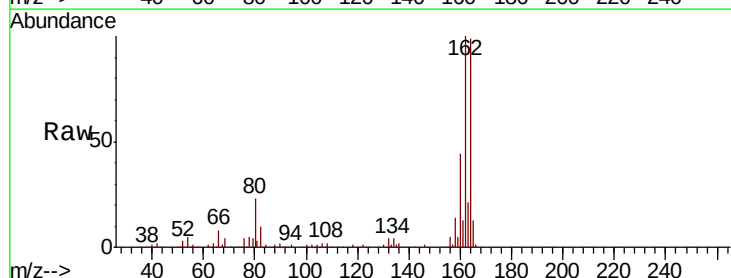
Tgt Ion:164 Resp: 267780

Ion Ratio Lower Upper

164 100

162 101.3 81.4 122.0

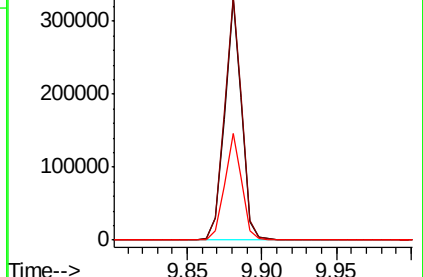
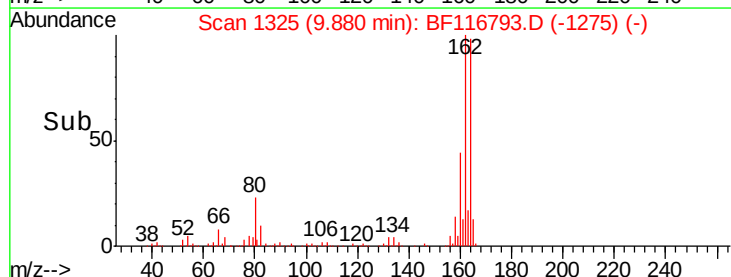
160 44.3 35.4 53.2

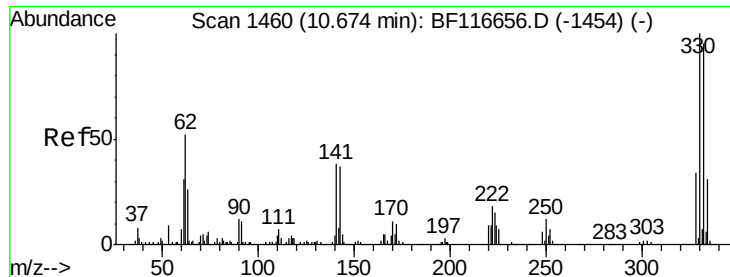


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

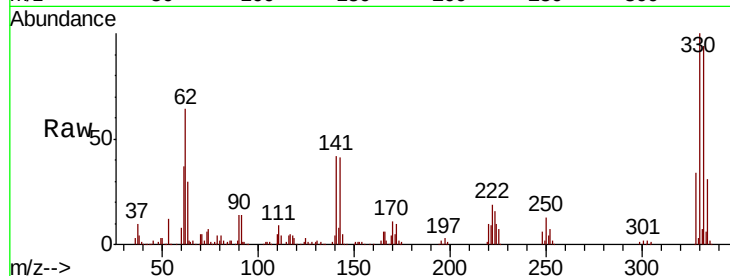




#42
 2,4,6-Tribromophenol
 Concen: 158.916 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF116793.D
 Acq: 4 Sep 2019 1:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.0	76.9	115.3
141	40.2	31.4	47.2

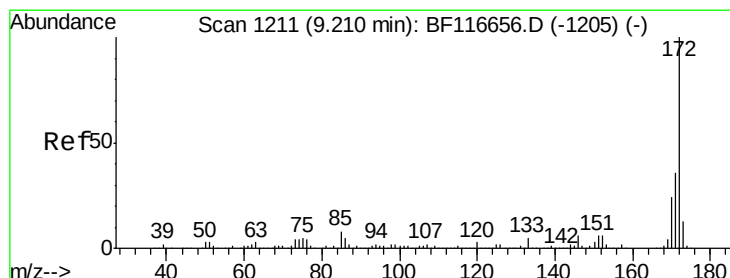
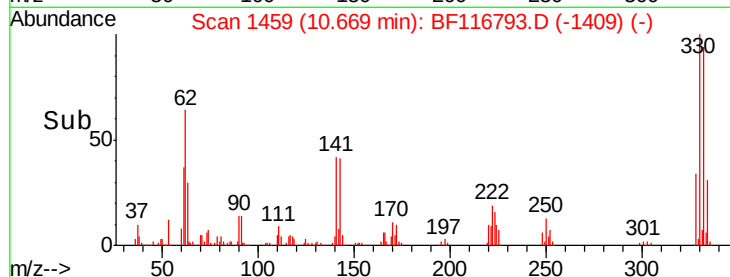
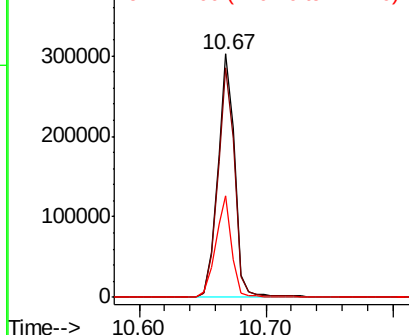


Abundance

Ion 329.80 (329.50 to 330.50): E

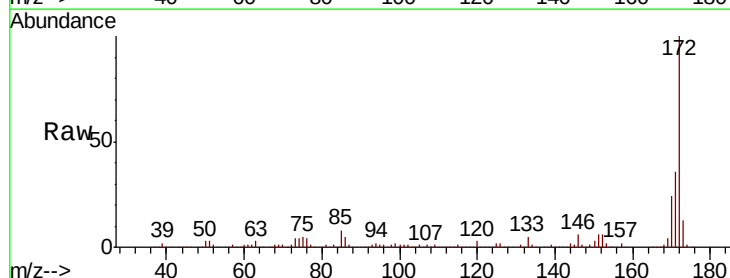
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 92.810 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF116793.D
 Acq: 4 Sep 2019 1:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	27.8	41.6
170	24.1	18.9	28.3

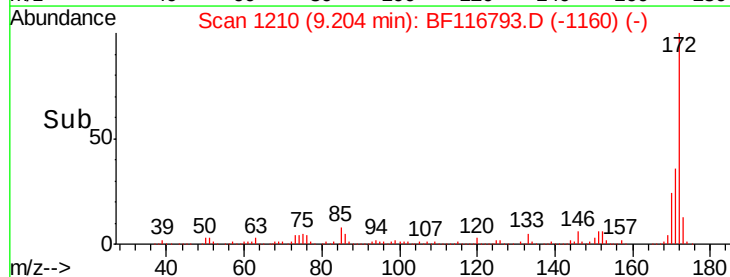
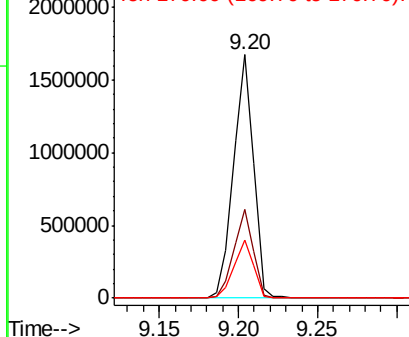


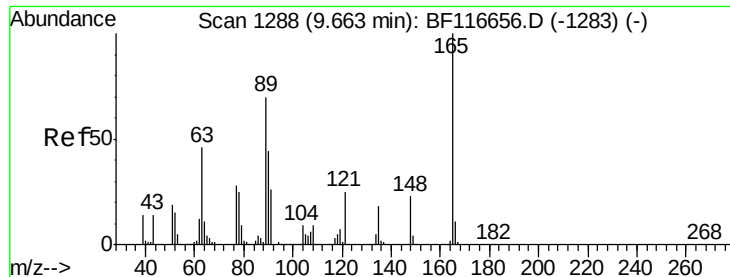
Abundance

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





#51

2,6-Dinitrotoluene

Concen: 9.568 ng

RT: 9.88 min Scan# 1325

Delta R.T. 0.22 min

Lab File: BF116793.D

Acq: 4 Sep 2019 1:27

Instrument :
BNA_F
ClientSampled :

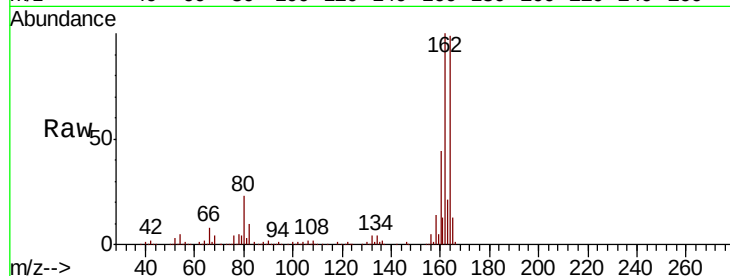
Tot Ion:165 Resp: 33748

Ion Ratio Lower Upper

165 100

63 0.9 47.3 70.9#

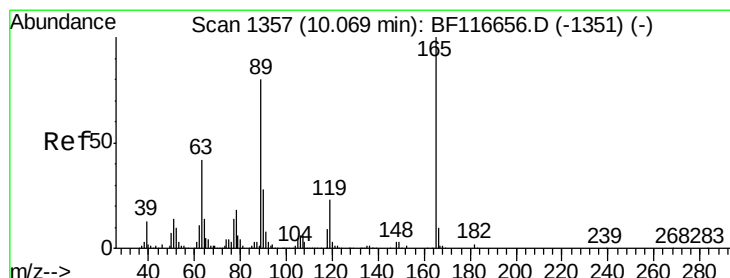
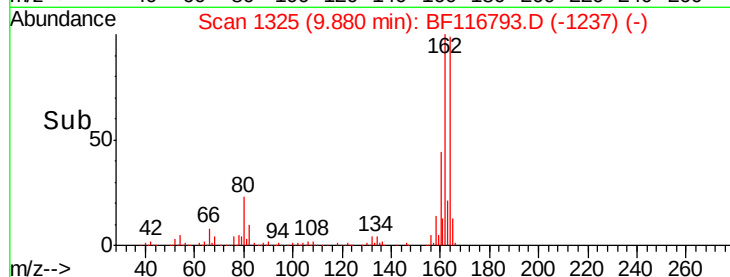
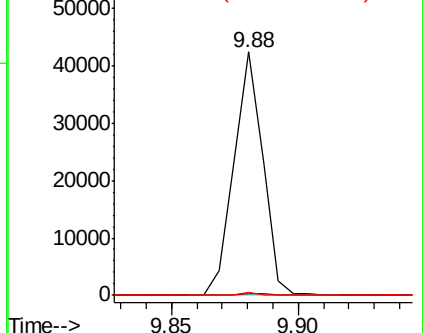
89 1.2 52.5 78.7#



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: 7.825 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.19 min

Lab File: BF116793.D

Acq: 4 Sep 2019 1:27

Tgt Ion:165 Resp: 33748

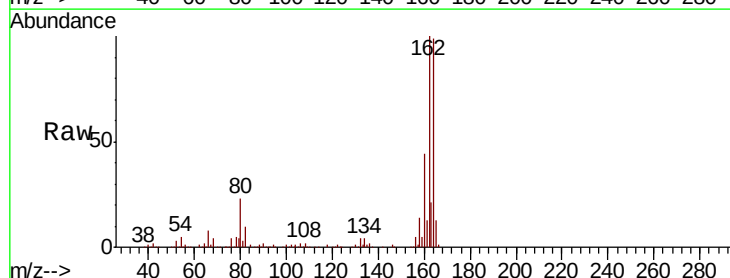
Ion Ratio Lower Upper

165 100

63 0.9 36.4 54.6#

89 1.2 62.6 94.0#

182 0.0 2.1 3.1#

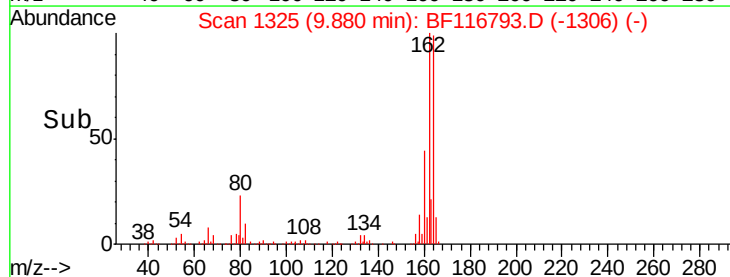
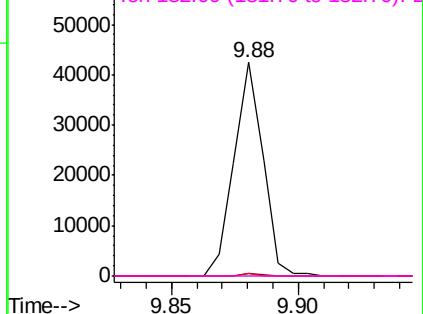


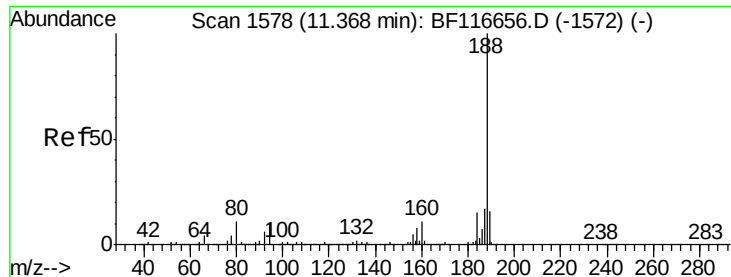
Abundance Ion 165.00 (164.70 to 165.70): E

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

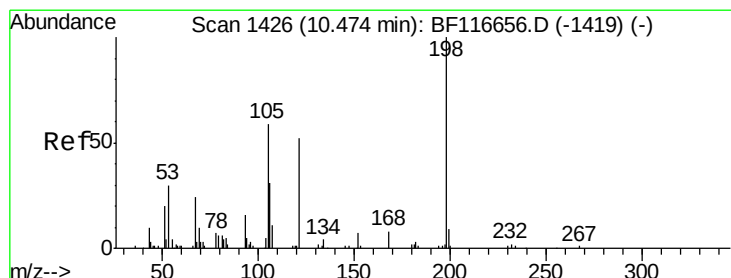
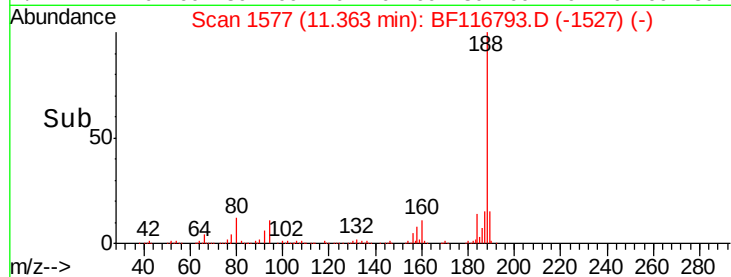
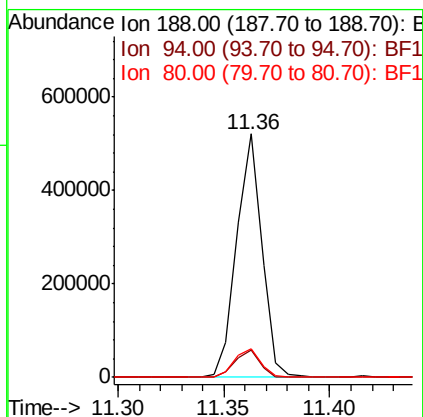
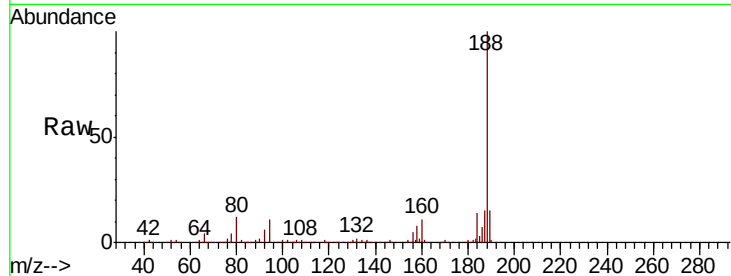




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF116793.D
Acq: 4 Sep 2019 1:27

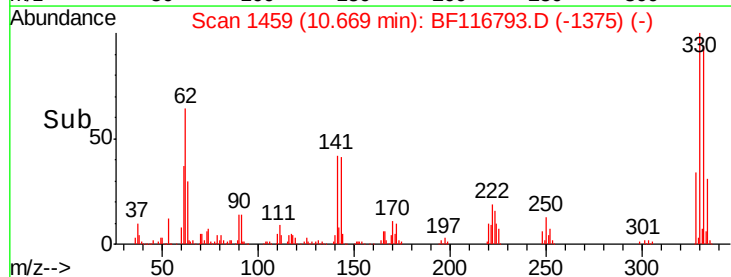
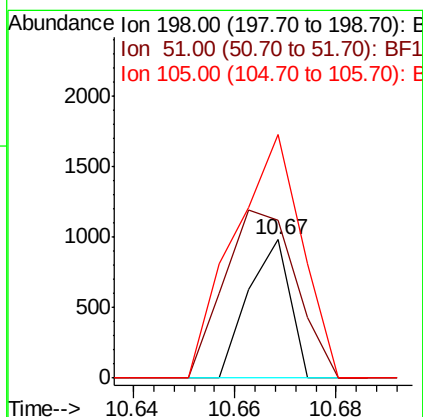
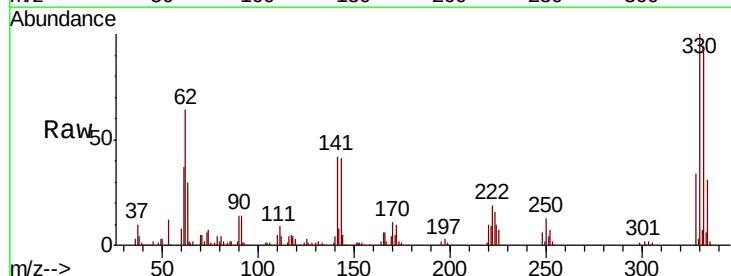
Instrument :
BNA_F
ClientSampleId :

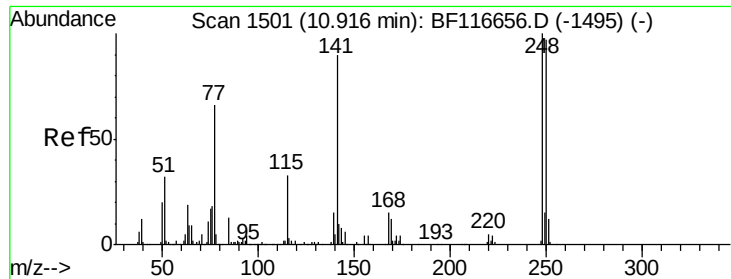
Tot Ion:188 Resp: 429190
Ion Ratio Lower Upper
188 100
94 11.3 7.3 10.9#
80 11.7 8.4 12.6



#65
4,6-Dinitro-2-methylphenol
Concen: 7.755 ng
RT: 10.67 min Scan# 1459
Delta R.T. 0.19 min
Lab File: BF116793.D
Acq: 4 Sep 2019 1:27

Tgt Ion:198 Resp: 568
Ion Ratio Lower Upper
198 100
51 113.6 18.4 58.4#
105 175.9 22.9 62.9#

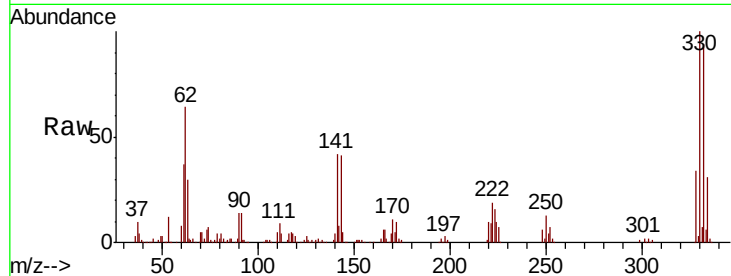




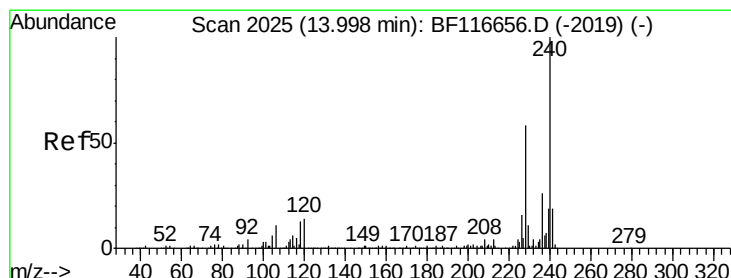
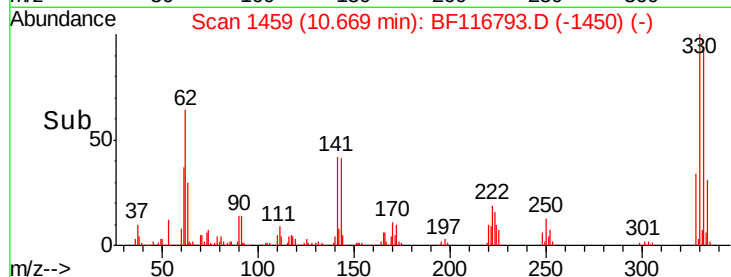
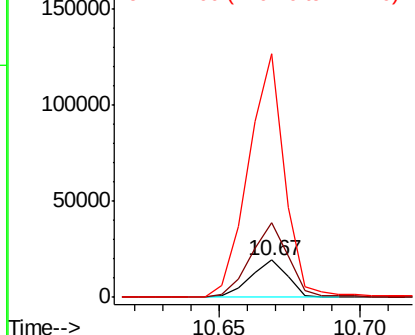
#67
4-Bromophenyl-phenylether
Concen: 4.089 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.25 min
Lab File: BF116793.D
Acq: 4 Sep 2019 1:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 17827
Ion Ratio Lower Upper
248 100
250 201.8 77.8 116.8#
141 655.7 75.9 113.9#

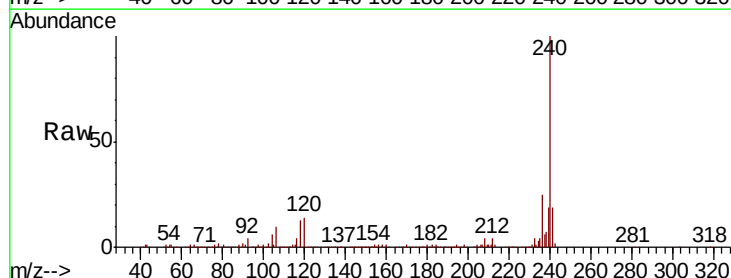


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

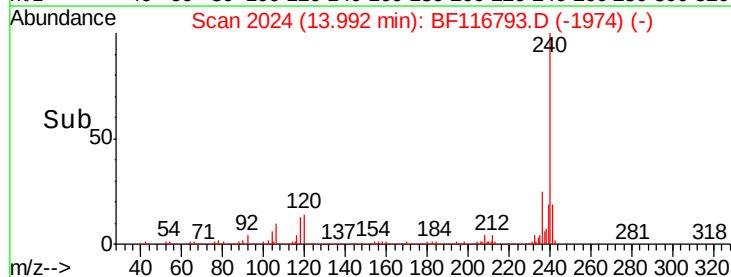
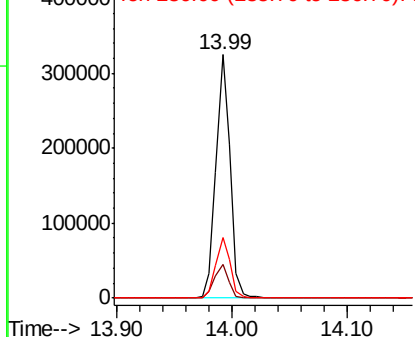


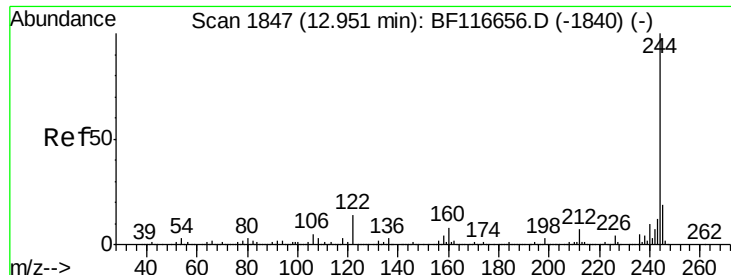
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF116793.D
Acq: 4 Sep 2019 1:27

Tgt Ion:240 Resp: 276794
Ion Ratio Lower Upper
240 100
120 13.7 9.1 13.7
236 25.1 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

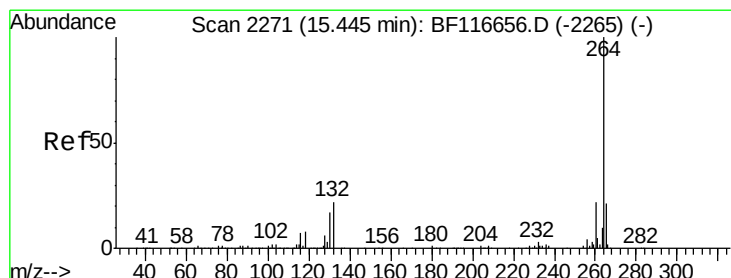
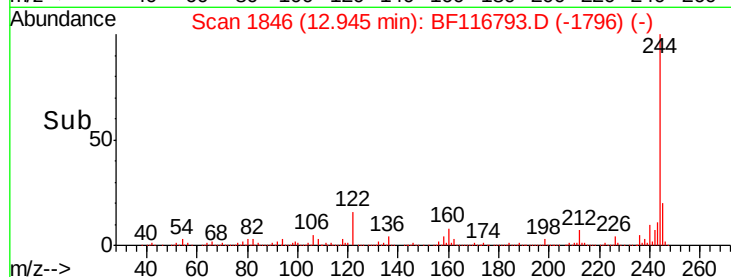
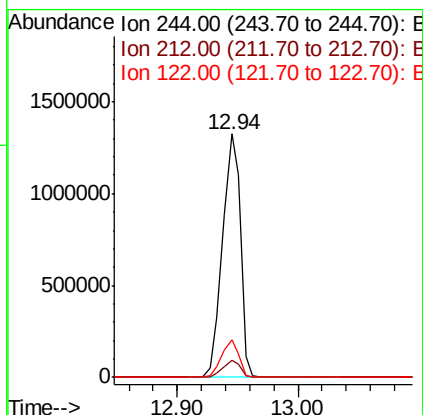
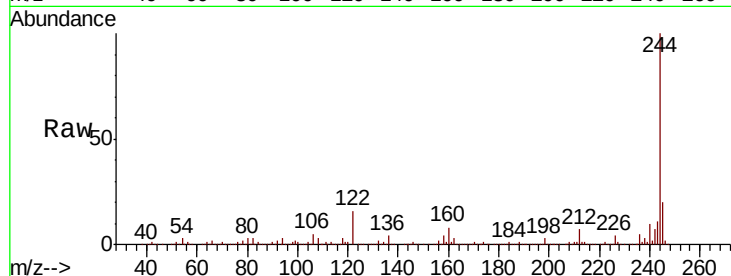




#79
 Terphenyl-d14
 Concen: 90.497 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF116793.D
 Acq: 4 Sep 2019 1:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1354044
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.1 9.1
 122 15.6 10.2 15.4#



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: BF116793.D
 Acq: 4 Sep 2019 1:27

Tgt Ion:264 Resp: 292200
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.3 27.5
 265 21.5 16.5 24.7

