

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091019\
 Data File : BF116925.D
 Acq On : 10 Sep 2019 17:07
 Operator : HP/JU
 Sample : K4661-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 10 17:49:48 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	6.83	152	85654	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	328511	20.00	ng	-0.02
39) Acenaphthene-d10	9.87	164	168215	20.00	ng	-0.02
64) Phenanthrene-d10	11.35	188	265274	20.00	ng	-0.02
76) Chrysene-d12	13.98	240	175218	20.00	ng	-0.02
87) Perylene-d12	15.43	264	156285	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	609844	115.35	ng	0.00
7) Phenol-d6	6.47	99	743133	107.04	ng	0.00
23) Nitrobenzene-d5	7.39	82	590817	102.67	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	206441	183.58	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	987817	99.06	ng	-0.02
79) Terphenyl-d14	12.94	244	965411	101.93	ng	-0.01

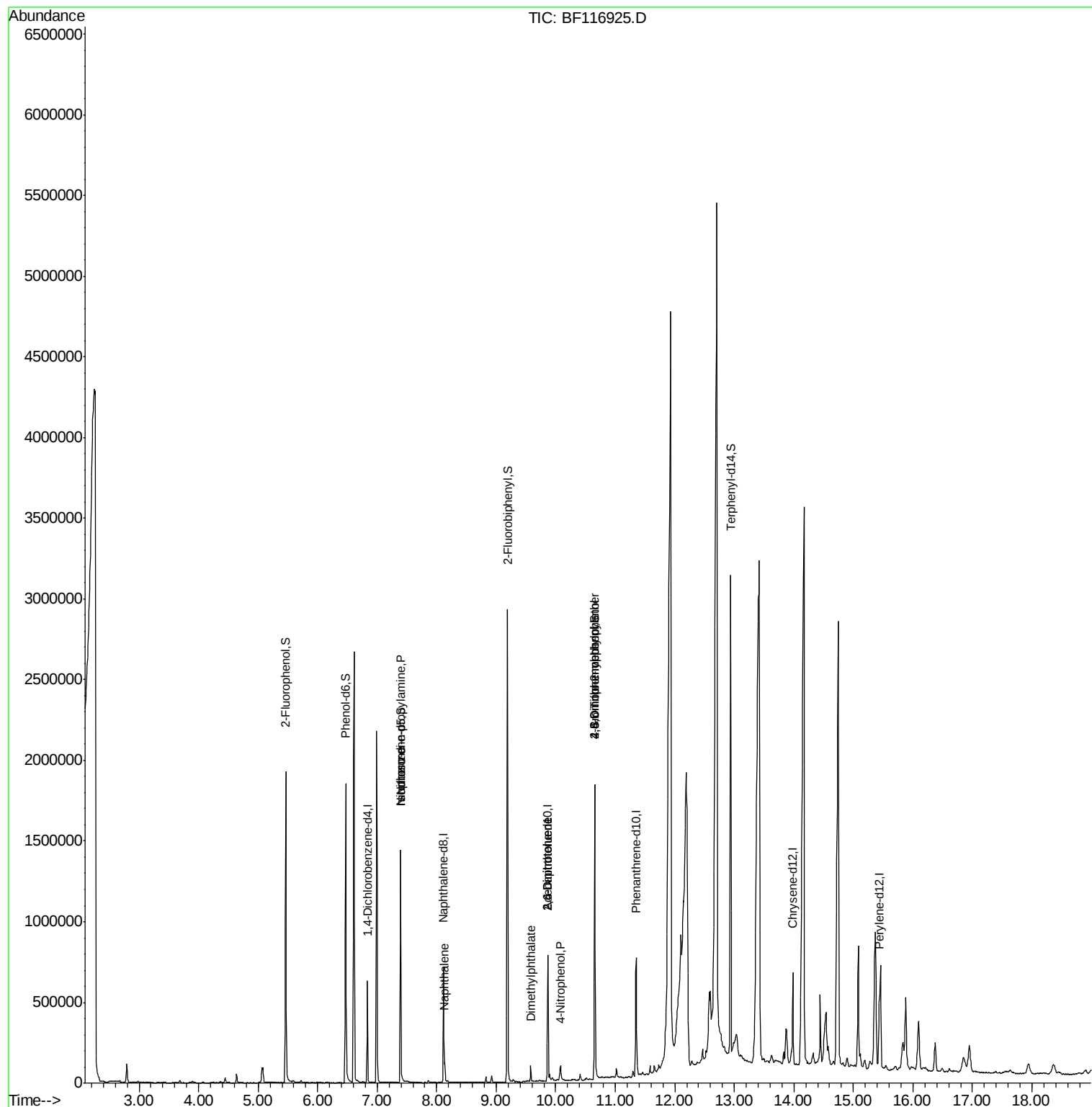
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	78306	17.130	ng	# 71
25) Isophorone	7.39	82	590806	50.667	ng	# 66
31) Naphthalene	8.13	128	69137	4.426	ng	# 99
50) Dimethylphthalate	9.58	163	39573	3.407	ng	# 99
51) 2,6-Dinitrotoluene	9.87	165	20887	9.426	ng	# 21
56) 4-Nitrophenol	10.07	139	3853	2.024	ng	# 1
57) 2,4-Dinitrotoluene	9.87	165	20887	7.709	ng	# 22
65) 4,6-Dinitro-2-methylphenol	10.66	198	471	7.858	ng	# 1
67) 4-Bromophenyl-phenylether	10.66	248	13314	4.941	ng	# 1

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

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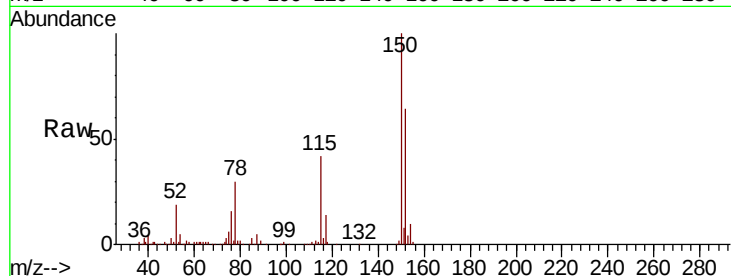


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.02 min
Lab File: BF116925.D
Acq: 10 Sep 2019 17:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	124.4	186.6
115	64.9	49.9	74.9

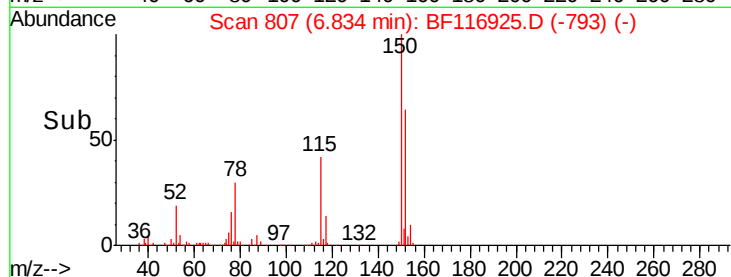
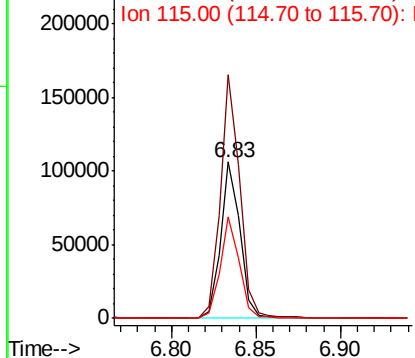


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

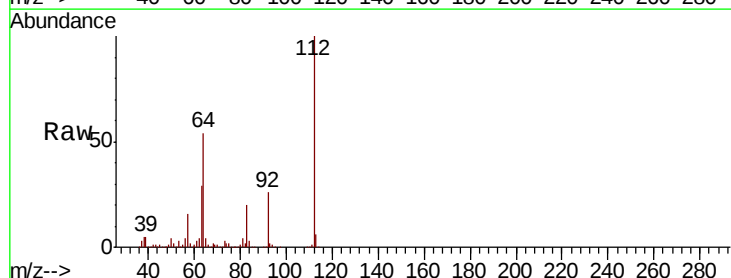
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 115.346 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF116925.D
Acq: 10 Sep 2019 17:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.3	47.1	70.7
63	29.2	24.9	37.3

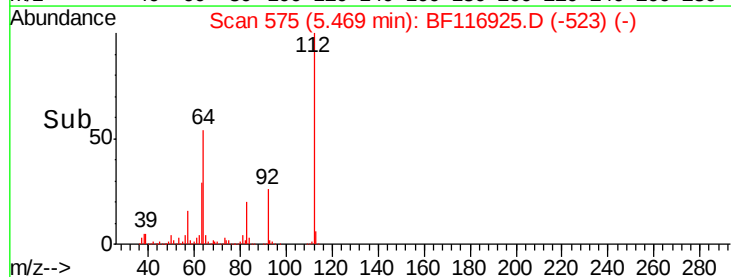
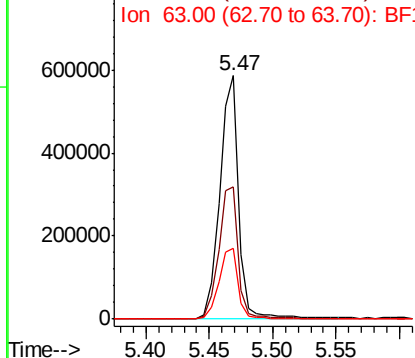


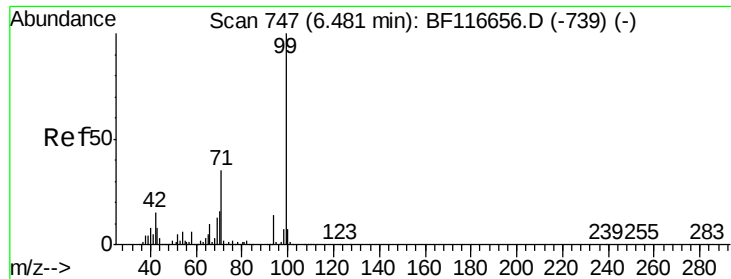
Abundance

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: 107.040 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116925.D

Acq: 10 Sep 2019 17:07

Instrument :

BNA_F

ClientSampleId :

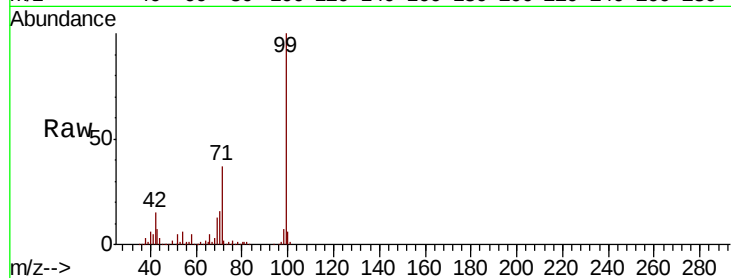
Tot Ion: 99 Resp: 743133

Ion Ratio Lower Upper

99 100

42 15.0 13.7 20.5

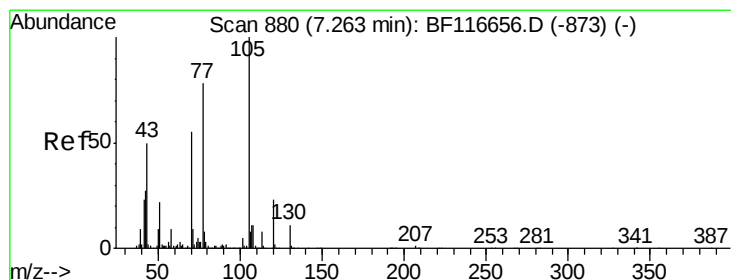
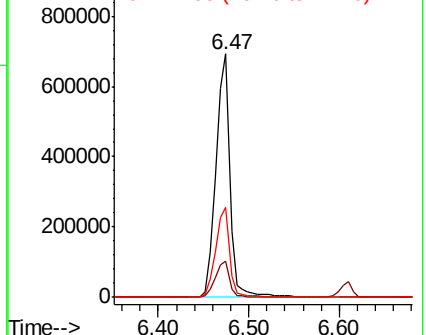
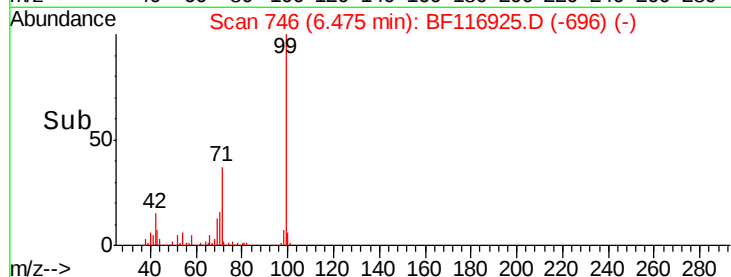
71 36.8 30.8 46.2



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: 17.130 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.13 min

Lab File: BF116925.D

Acq: 10 Sep 2019 17:07

Tgt Ion: 70 Resp: 78306

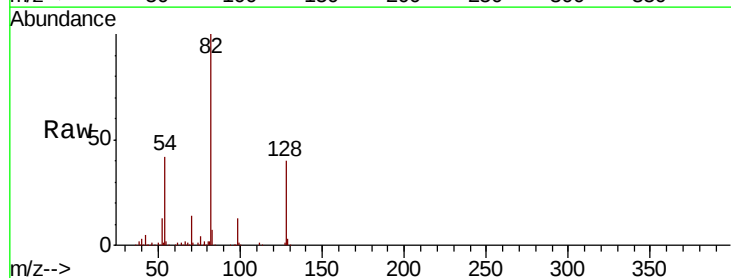
Ion Ratio Lower Upper

70 100

42 36.6 43.5 65.3#

101 0.0 7.8 11.6#

130 2.0 16.6 24.8#

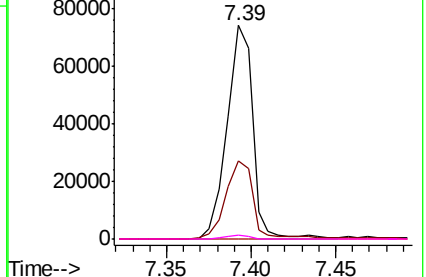
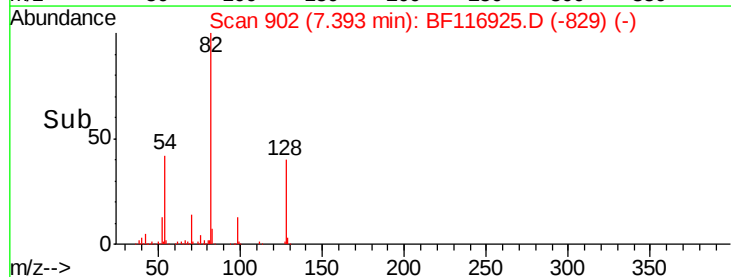


Abundance Ion 70.00 (69.70 to 70.70): BF1

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. -0.02 min

Lab File: BF116925.D

Acq: 10 Sep 2019 17:07

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 328511

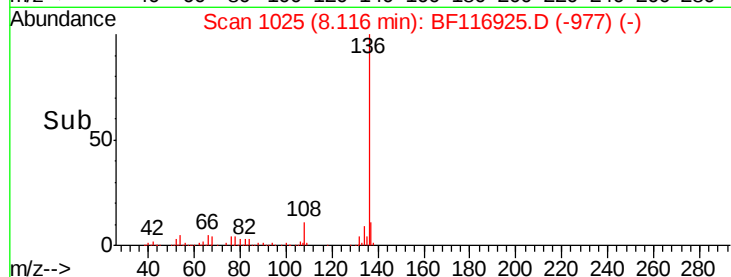
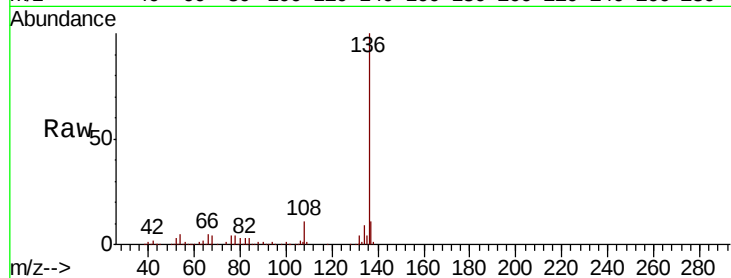
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 5.2 4.8 7.2

68 4.2 4.0 6.0

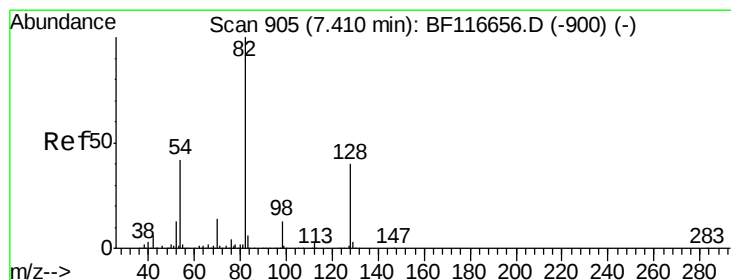
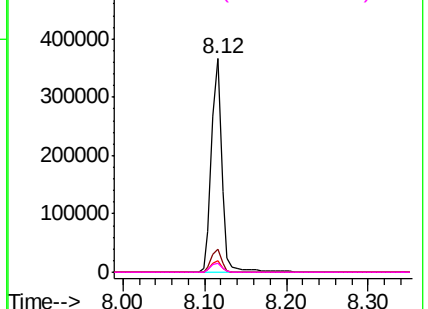


Abundance Ion 136.00 (135.70 to 136.70): E

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: 102.670 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.02 min

Lab File: BF116925.D

Acq: 10 Sep 2019 17:07

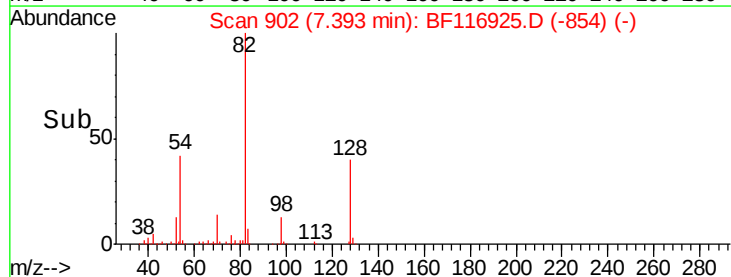
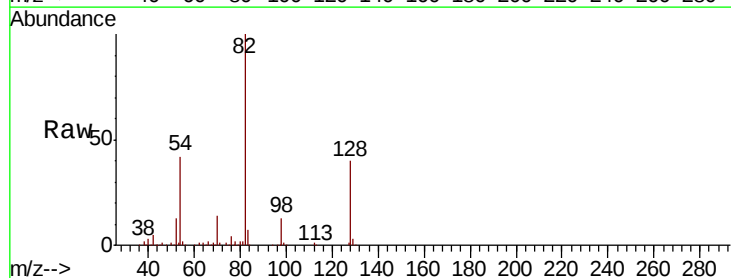
Tgt Ion: 82 Resp: 590817

Ion Ratio Lower Upper

82 100

128 40.1 32.8 49.2

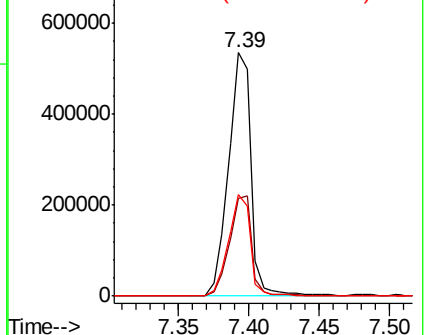
54 41.9 36.9 55.3



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: 50.667 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.28 min

Lab File: BF116925.D

Acq: 10 Sep 2019 17:07

Instrument :

BNA_F

ClientSampleId :

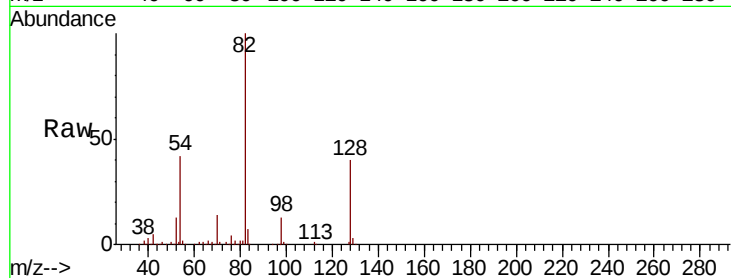
Tot Ion: 82 Resp: 590806

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

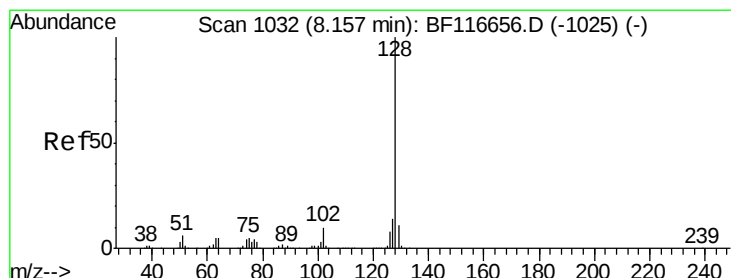
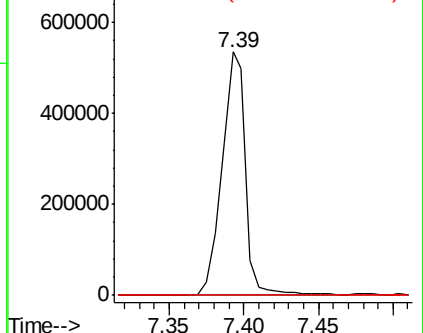
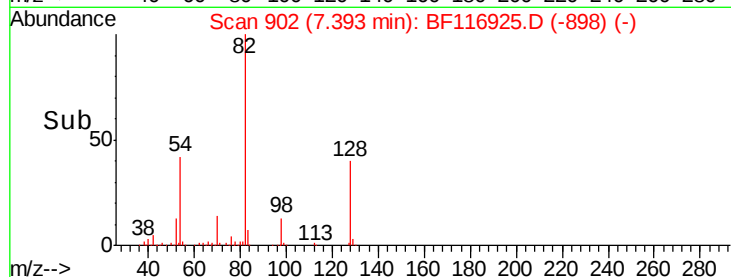
138 0.0 13.5 20.3#



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



#31

Naphthalene

Concen: 4.426 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.02 min

Lab File: BF116925.D

Acq: 10 Sep 2019 17:07

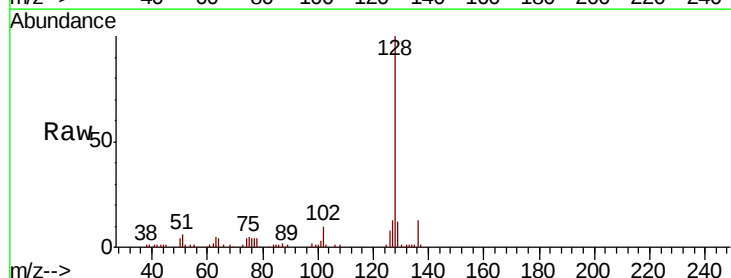
Tgt Ion: 128 Resp: 69137

Ion Ratio Lower Upper

128 100

129 11.7 8.6 13.0

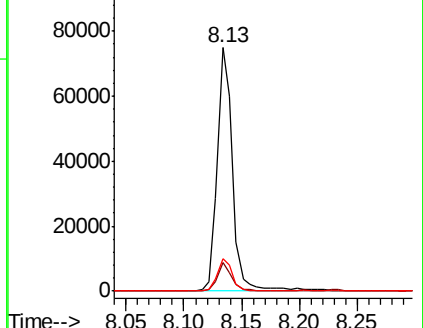
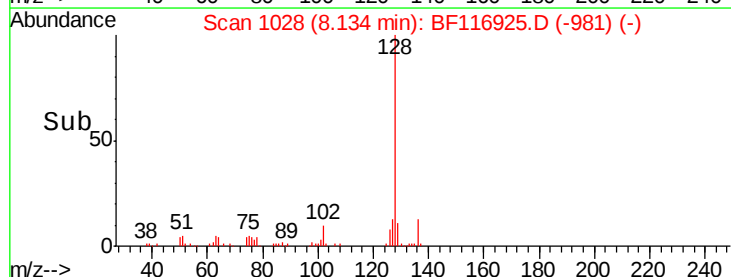
127 13.2 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

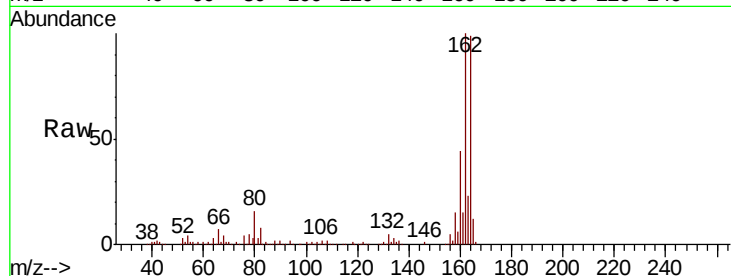




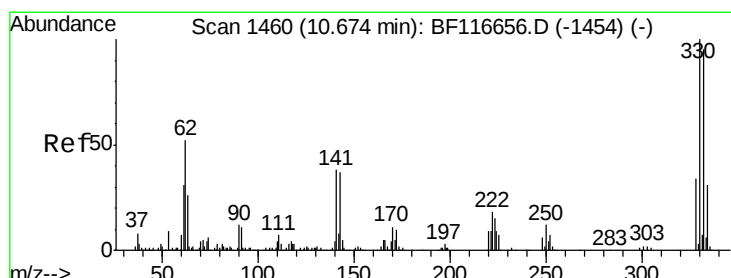
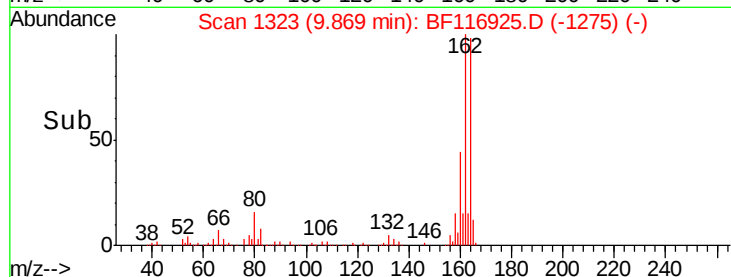
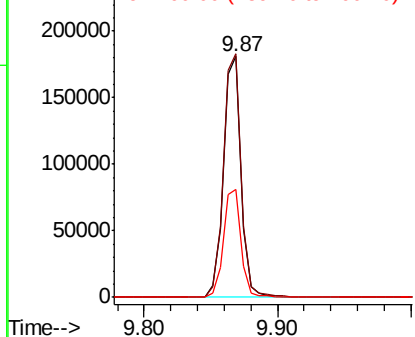
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF116925.D
Acq: 10 Sep 2019 17:07

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.1	81.4	122.0
160	44.6	35.4	53.2

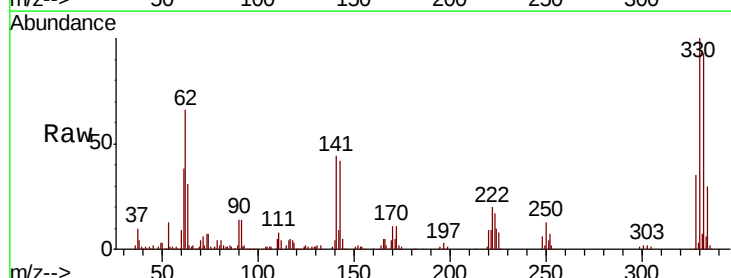


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

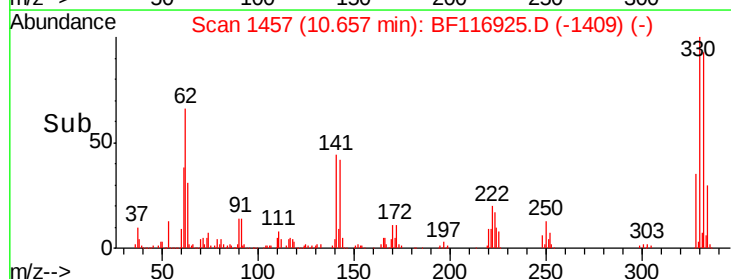
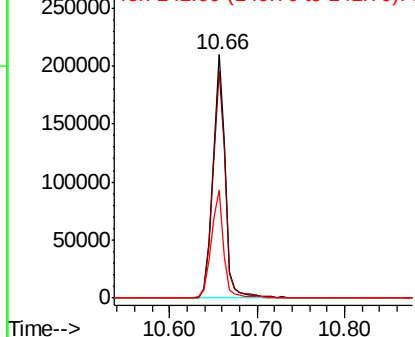


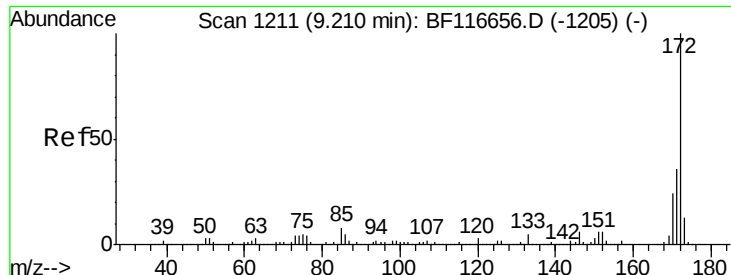
#42
2,4,6-Tribromophenol
Concen: 183.576 ng
RT: 10.66 min Scan# 1457
Delta R.T. -0.02 min
Lab File: BF116925.D
Acq: 10 Sep 2019 17:07

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.1	76.9	115.3
141	44.6	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

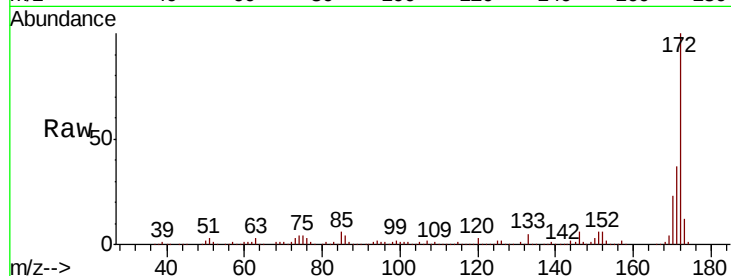




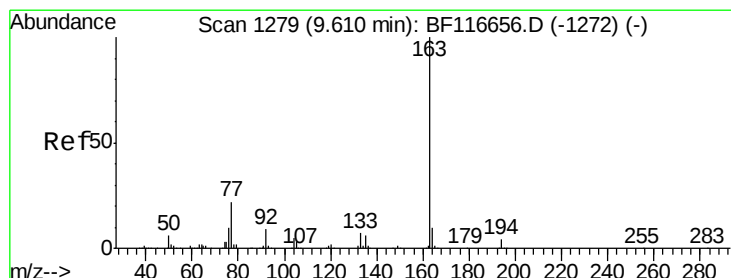
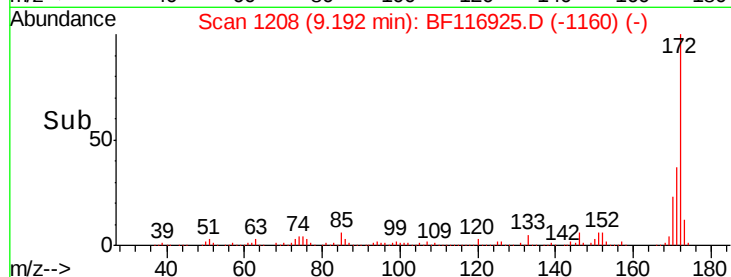
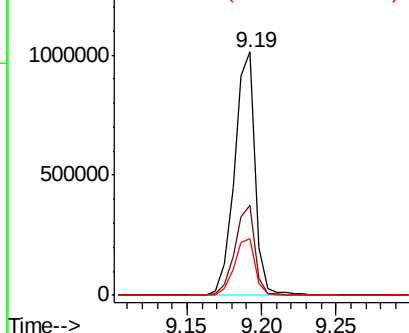
#45
 2-Fluorobiphenyl
 Concen: 99.060 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.02 min
 Lab File: BF116925.D
 Acq: 10 Sep 2019 17:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.8	27.8	41.6
170	23.5	18.9	28.3

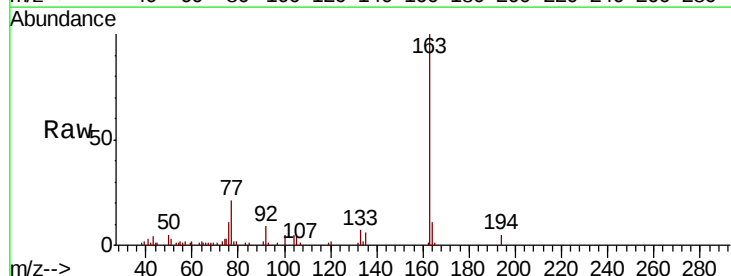


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

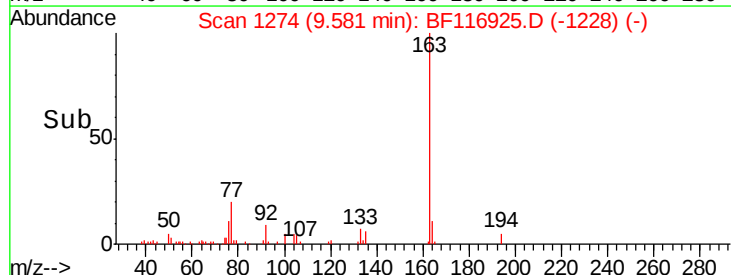
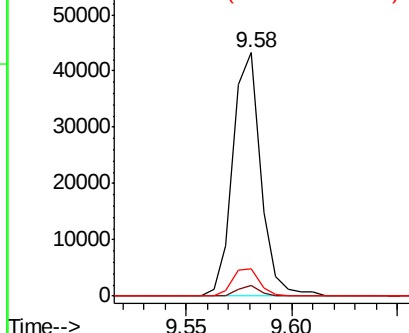


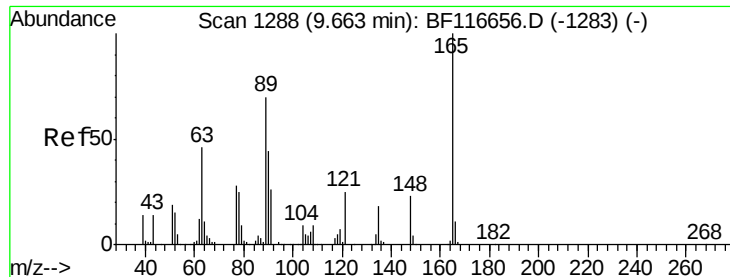
#50
 Dimethylphthalate
 Concen: 3.407 ng
 RT: 9.58 min Scan# 1274
 Delta R.T. -0.03 min
 Lab File: BF116925.D
 Acq: 10 Sep 2019 17:07

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.6	2.8	4.2#
164	11.0	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





#51

2,6-Dinitrotoluene

Concen: 9.426 ng

RT: 9.87 min Scan# 1323

Delta R.T. 0.21 min

Lab File: BF116925.D

Acq: 10 Sep 2019 17:07

Instrument :

BNA_F

ClientSampleId :

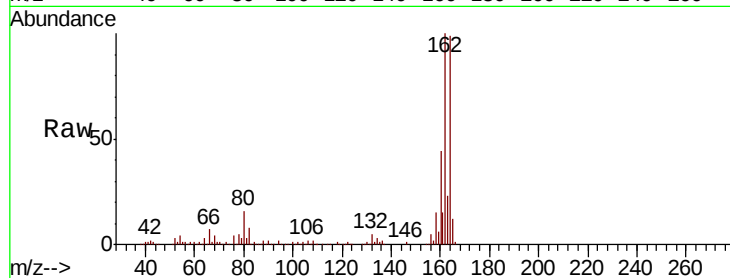
Tot Ion:165 Resp: 20887

Ion Ratio Lower Upper

165 100

63 1.6 47.3 70.9#

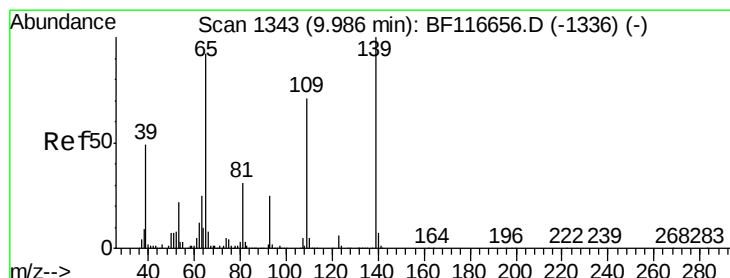
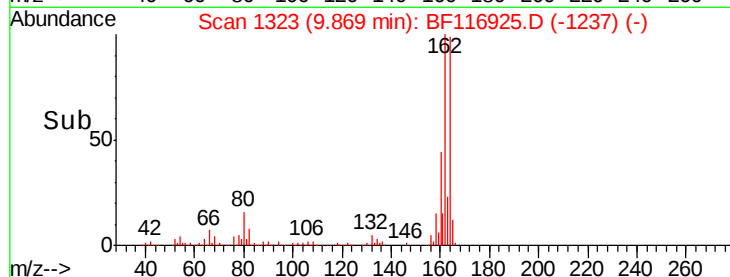
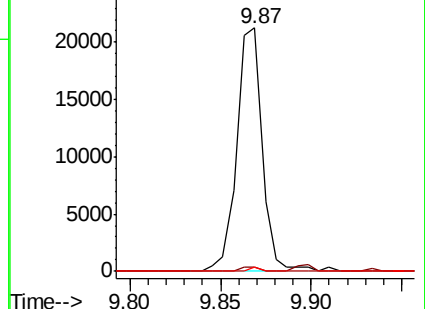
89 2.0 52.5 78.7#



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



#56

4-Nitrophenol

Concen: 2.024 ng

RT: 10.07 min Scan# 1357

Delta R.T. 0.08 min

Lab File: BF116925.D

Acq: 10 Sep 2019 17:07

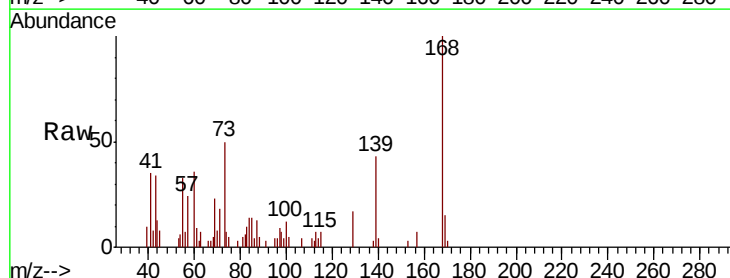
Tgt Ion:139 Resp: 3853

Ion Ratio Lower Upper

139 100

109 0.0 61.7 101.7#

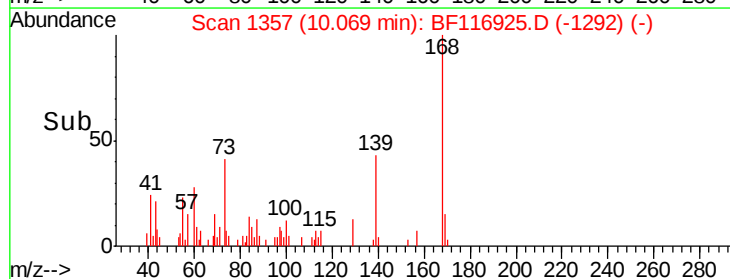
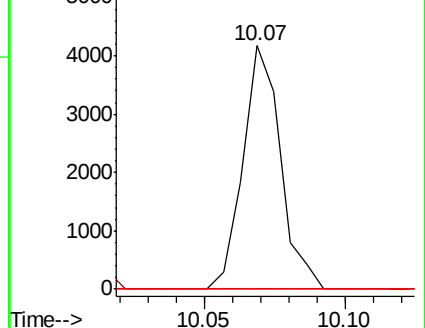
65 0.0 89.1 129.1#

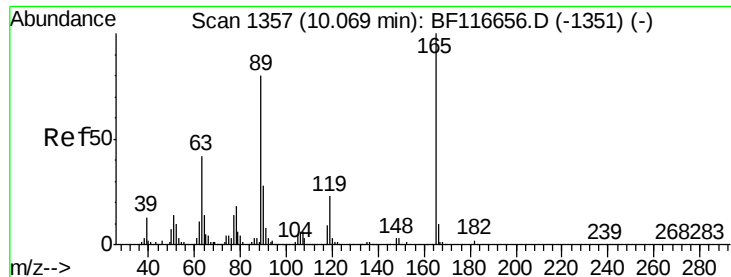


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

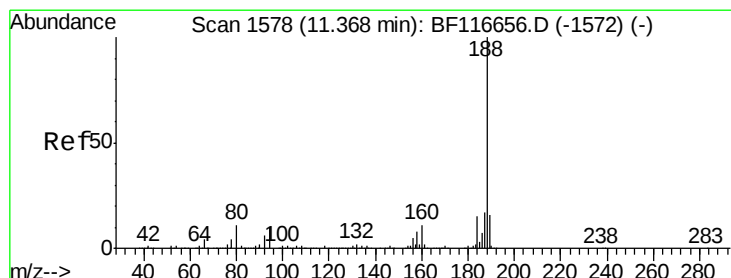
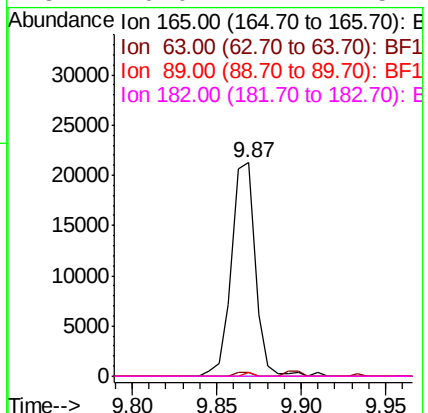
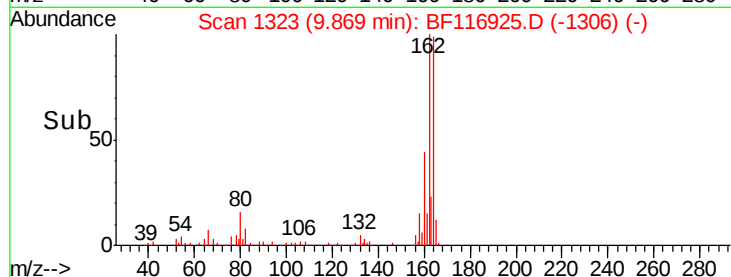
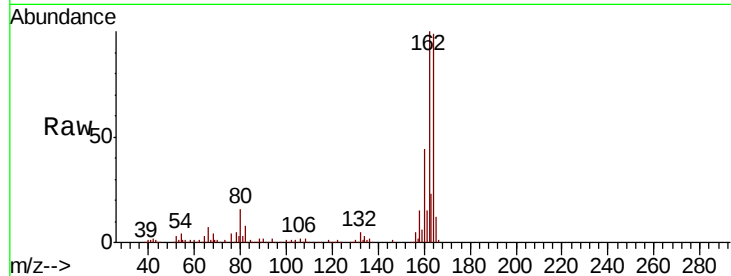




#57
2,4-Dinitrotoluene
Concen: 7.709 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.20 min
Lab File: BF116925.D
Acq: 10 Sep 2019 17:07

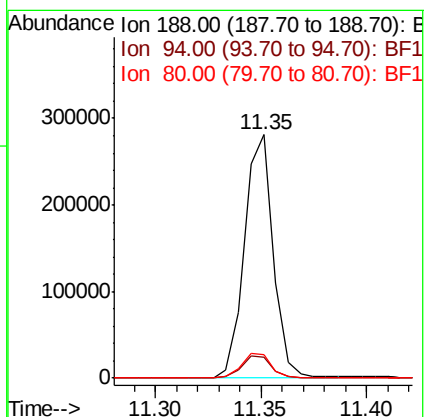
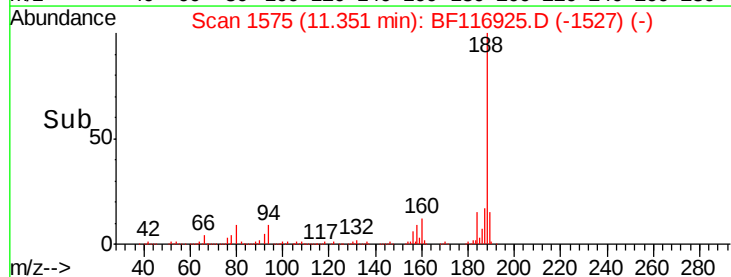
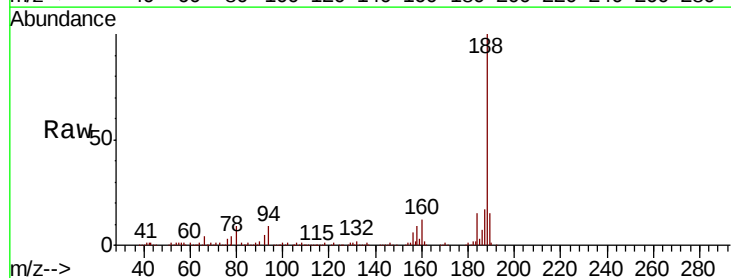
Instrument :
BNA_F
ClientSampleId :

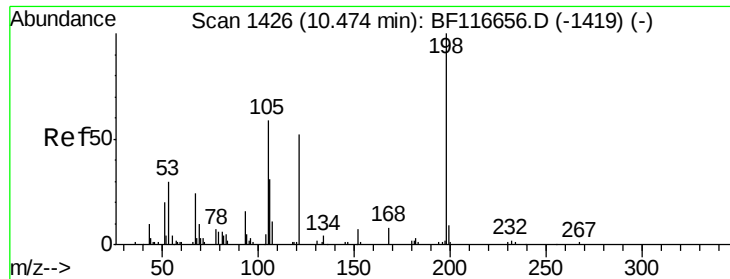
Tot Ion:165	Resp:	20887
Ion Ratio	Lower	Upper
165	100	
63	1.6	36.4 54.6#
89	2.0	62.6 94.0#
182	0.0	2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.02 min
Lab File: BF116925.D
Acq: 10 Sep 2019 17:07

Tgt Ion:188	Resp:	265274
Ion Ratio	Lower	Upper
188	100	
94	8.6	7.3 10.9
80	9.5	8.4 12.6

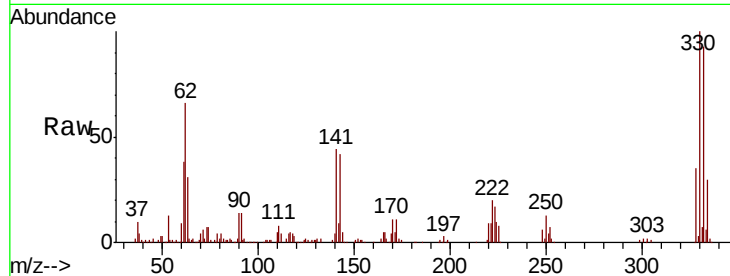




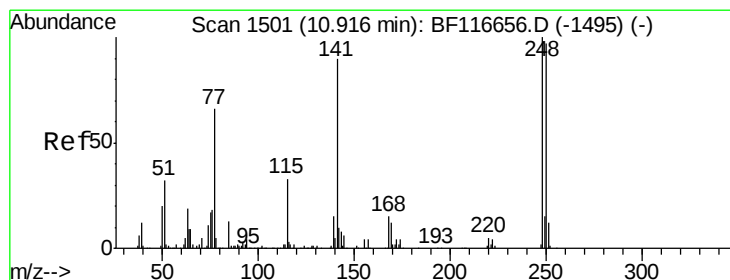
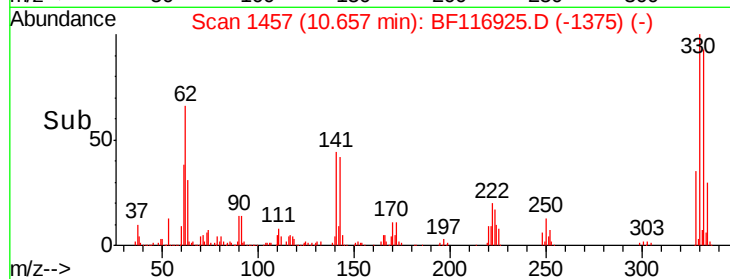
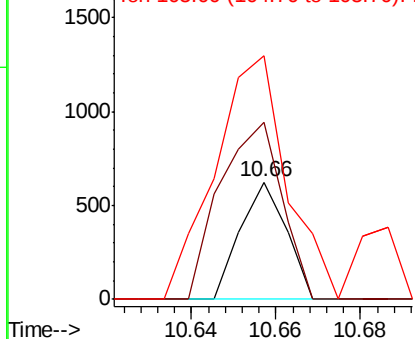
#65
4,6-Dinitro-2-methylphenol
Concen: 7.858 ng
RT: 10.66 min Scan# 1457
Delta R.T. 0.18 min
Lab File: BF116925.D
Acq: 10 Sep 2019 17:07

Instrument :
BNA_F
ClientSampled :

Tot Ion:198 Resp: 471
Ion Ratio Lower Upper
198 100
51 150.3 18.4 58.4#
105 207.3 22.9 62.9#

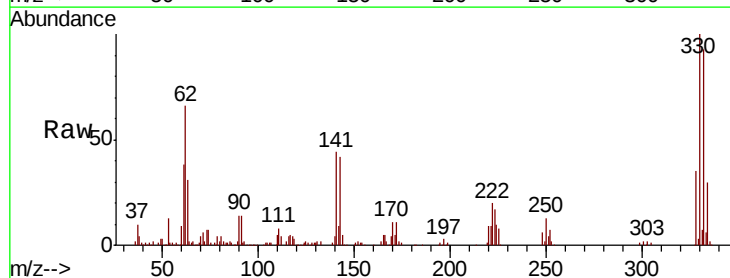


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

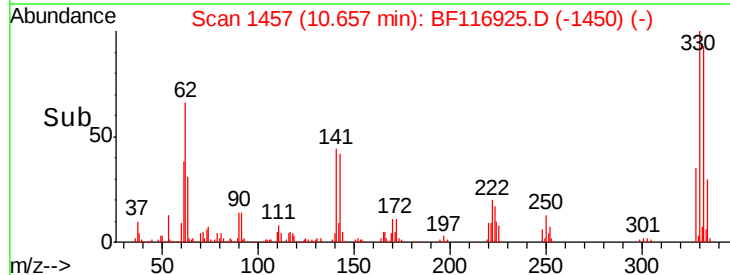
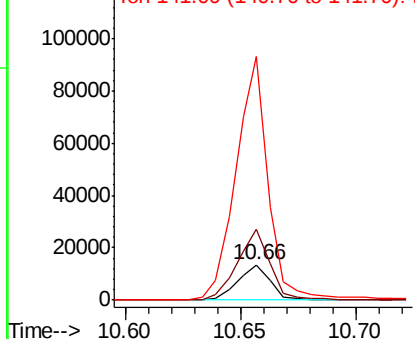


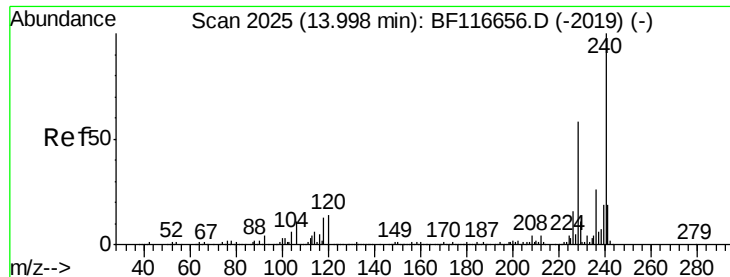
#67
4-Bromophenyl-phenylether
Concen: 4.941 ng
RT: 10.66 min Scan# 1457
Delta R.T. -0.26 min
Lab File: BF116925.D
Acq: 10 Sep 2019 17:07

Tgt Ion:248 Resp: 13314
Ion Ratio Lower Upper
248 100
250 199.2 77.8 116.8#
141 689.1 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

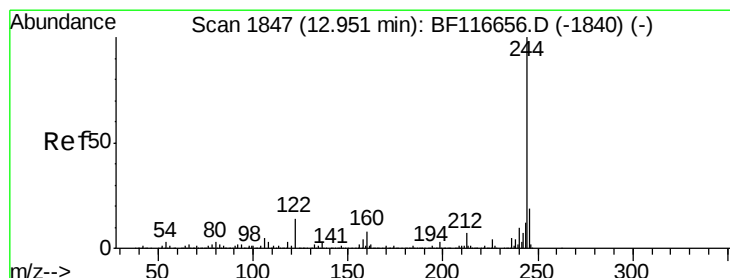
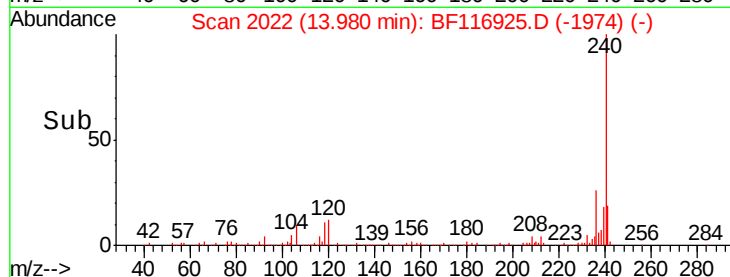
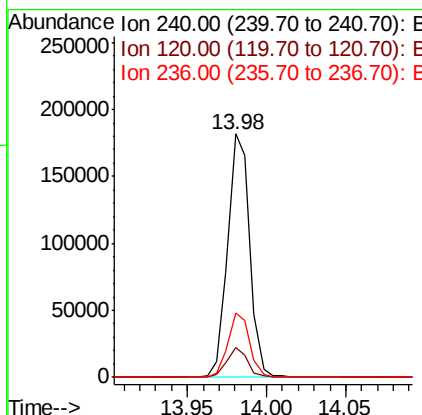
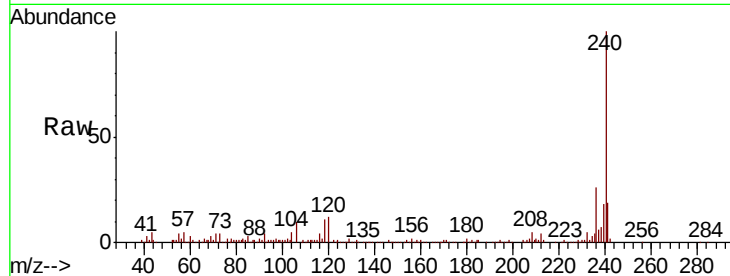




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.02 min
Lab File: BF116925.D
Acq: 10 Sep 2019 17:07

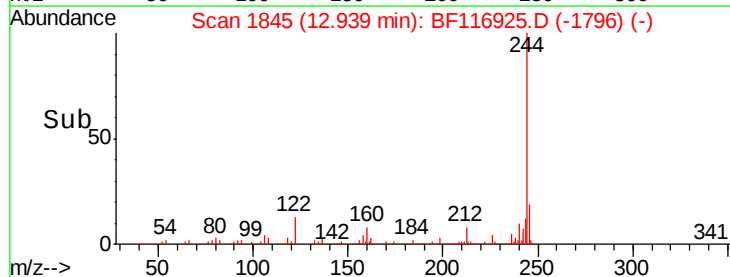
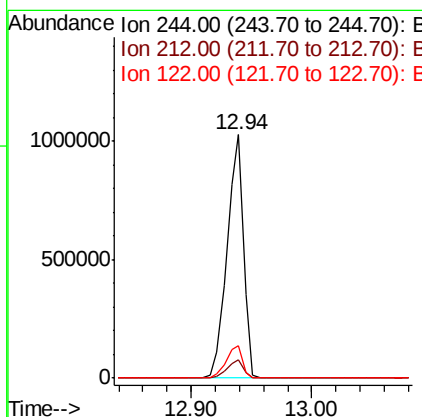
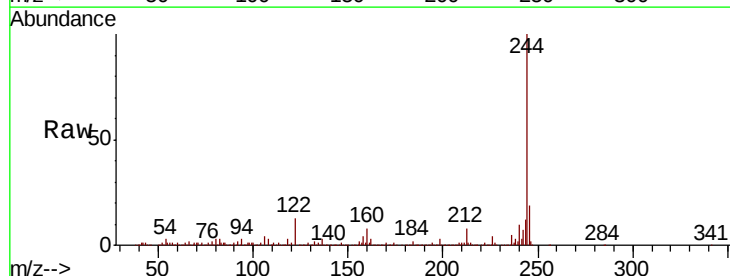
Instrument :
BNA_F
ClientSampleId :

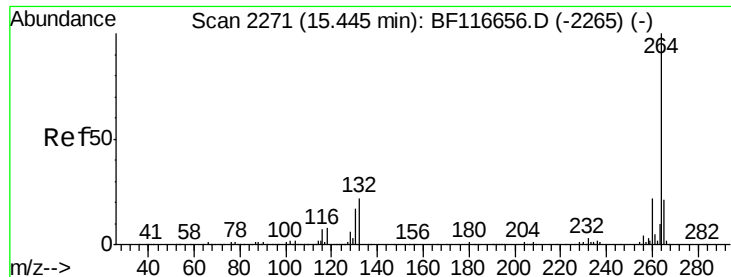
Tot Ion:240 Resp: 175218
Ion Ratio Lower Upper
240 100
120 12.2 9.1 13.7
236 26.2 21.1 31.7



#79
Terphenyl-d14
Concen: 101.928 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BF116925.D
Acq: 10 Sep 2019 17:07

Tgt Ion:244 Resp: 965411
Ion Ratio Lower Upper
244 100
212 7.6 6.1 9.1
122 13.3 10.2 15.4





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF116925.D
Acq: 10 Sep 2019 17:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.3	27.5
265	21.1	16.5	24.7

