

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083119\
 Data File : BF116721.D
 Acq On : 1 Sep 2019 3:13
 Operator : HP/JU
 Sample : K4089-08
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-082919

Quant Time: Sep 01 04:33:29 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

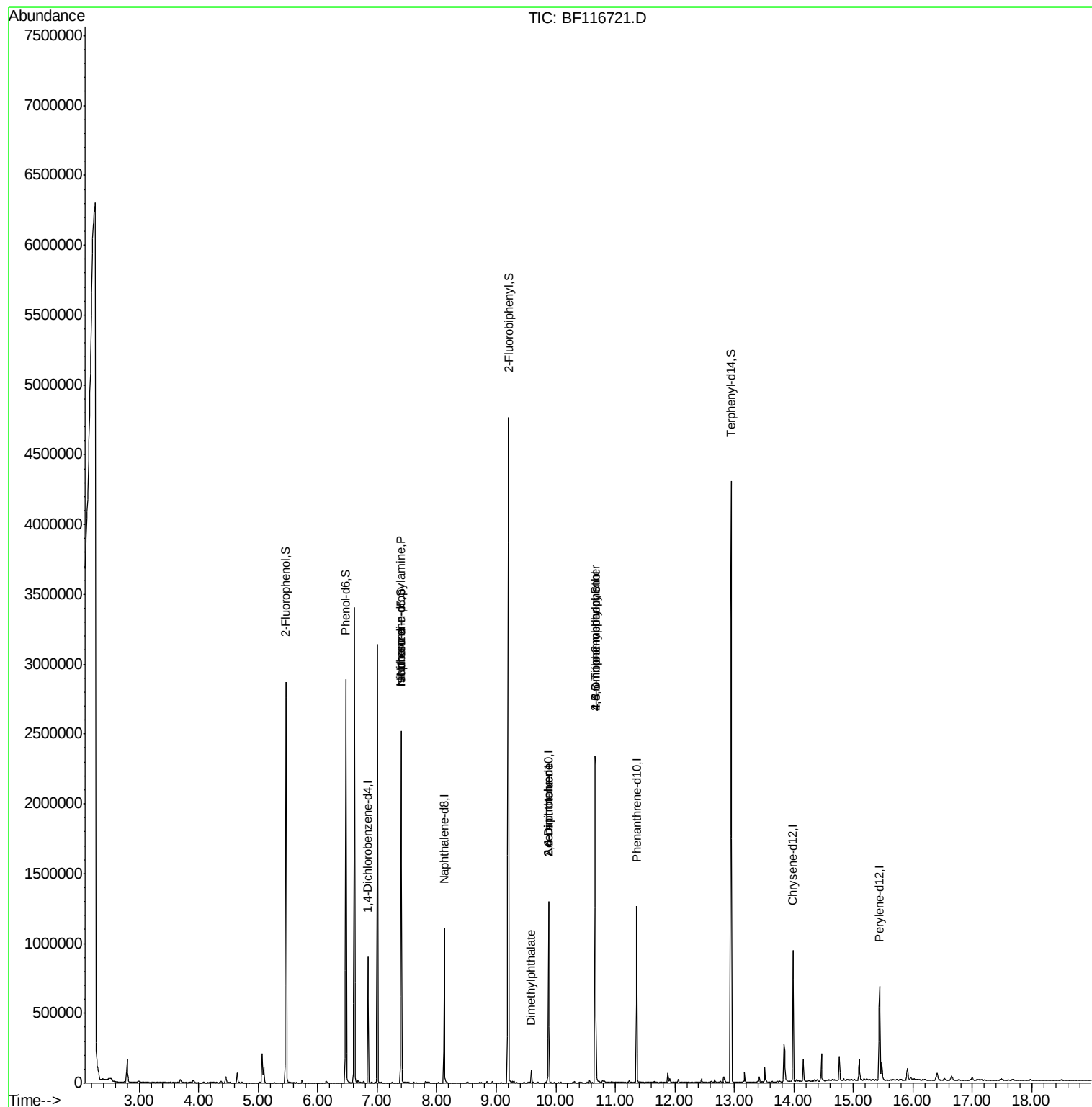
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	123040	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	486555	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	256343	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	426110	20.00	ng	-0.01
76) Chrysene-d12	13.99	240	281998	20.00	ng	-0.01
87) Perylene-d12	15.44	264	295958	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	916717	120.70	ng	0.01
7) Phenol-d6	6.47	99	1129443	113.25	ng	0.00
23) Nitrobenzene-d5	7.40	82	861879	101.12	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	277531	161.95	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1417271	93.27	ng	0.00
79) Terphenyl-d14	12.94	244	1427980	93.68	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	113388	17.268	ng	# 73
25) Isophorone	7.40	82	861868	49.904	ng	# 66
50) Dimethylphthalate	9.59	163	37896	2.141	ng	# 96
51) 2,6-Dinitrotoluene	9.88	165	32841	9.726	ng	# 21
57) 2,4-Dinitrotoluene	9.88	165	32841	7.954	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.67	198	625	7.788	ng	# 1
67) 4-Bromophenyl-phenylether	10.67	248	17322	4.002	ng	# 1

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

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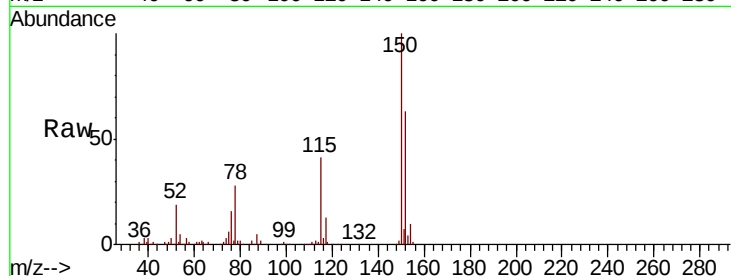


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116721.D
Acq: 1 Sep 2019 3:13

Instrument :
BNA_F
ClientSampleId :
OK-02-082919

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	124.4	186.6
115	64.1	49.9	74.9

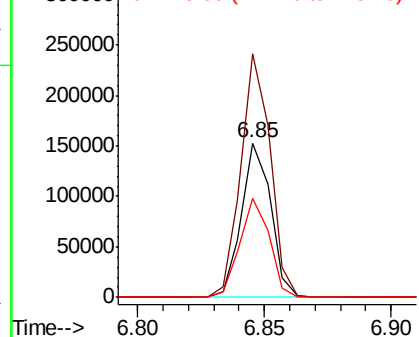
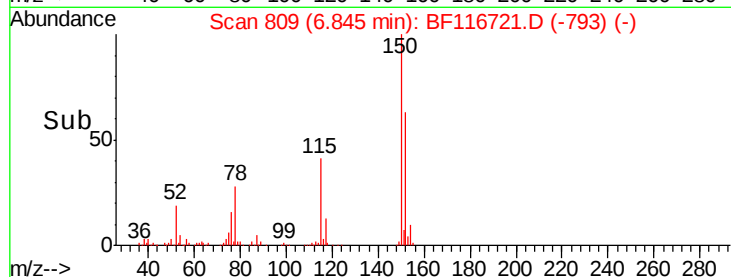


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

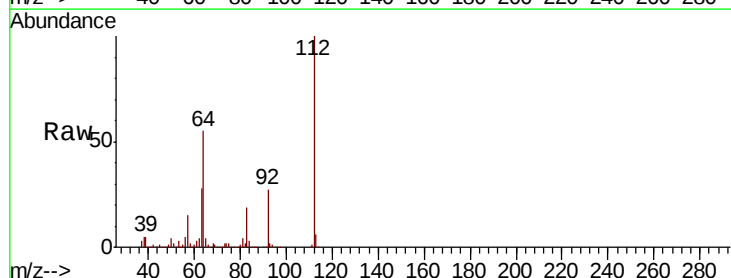
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 120.703 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF116721.D
Acq: 1 Sep 2019 3:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.1	47.1	70.7
63	28.0	24.9	37.3

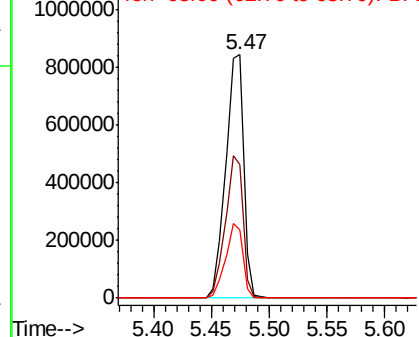
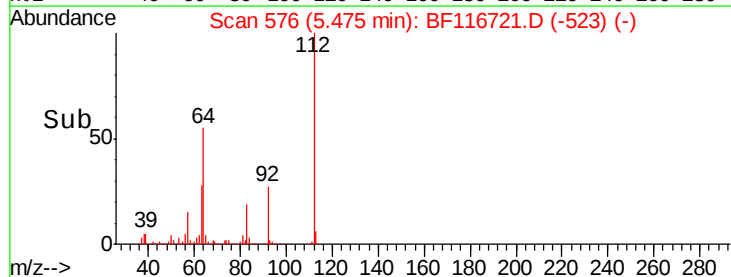


Abundance

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: 113.252 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116721.D

Acq: 1 Sep 2019 3:13

Instrument :

BNA_F

ClientSampleId :

OK-02-082919

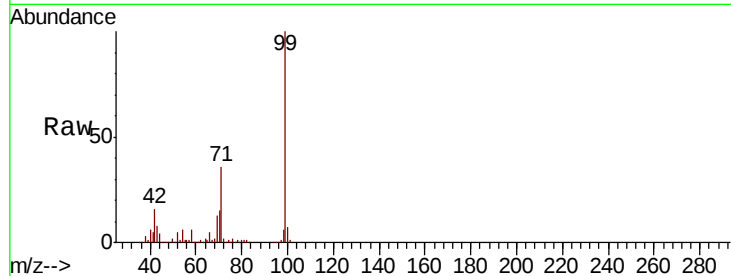
Tot Ion: 99 Resp: 1129443

Ion Ratio Lower Upper

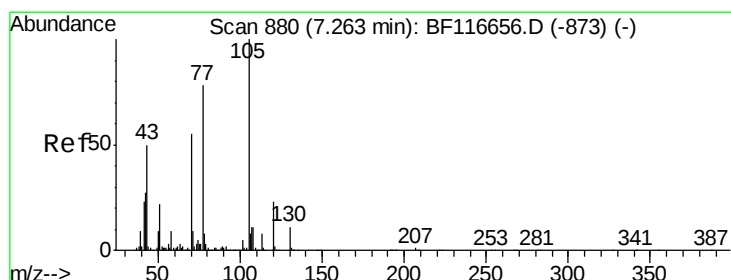
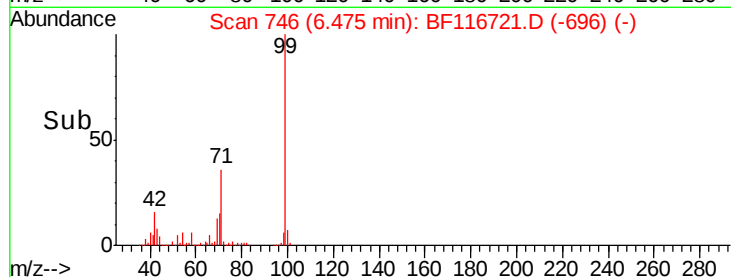
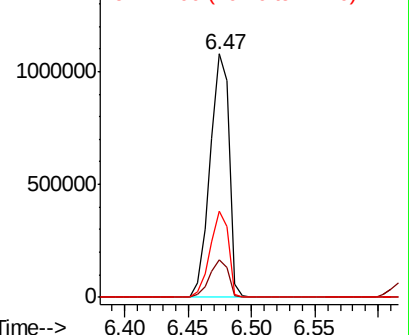
99 100

42 15.6 13.7 20.5

71 35.6 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: 17.268 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF116721.D

Acq: 1 Sep 2019 3:13

Tgt Ion: 70 Resp: 113388

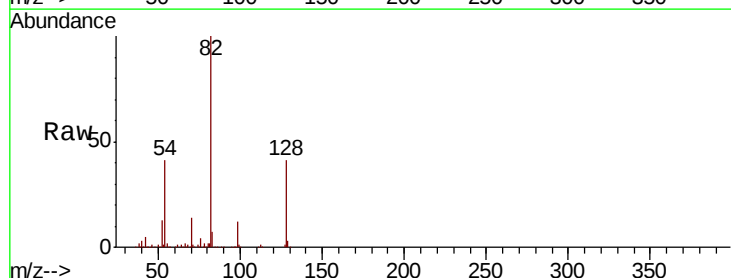
Ion Ratio Lower Upper

70 100

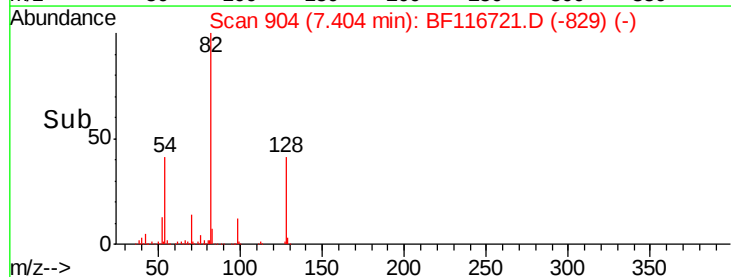
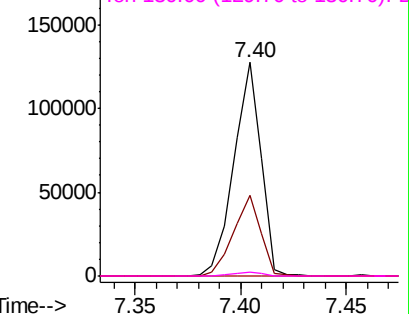
42 38.0 43.5 65.3#

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: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF116721.D

Acq: 1 Sep 2019 3:13

Instrument :

BNA_F

ClientSampleId :

OK-02-082919

Tot Ion:136 Resp: 486555

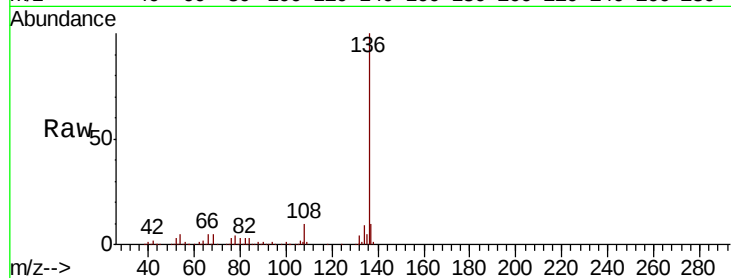
Ion Ratio Lower Upper

136 100

137 10.4 8.9 13.3

54 5.5 4.8 7.2

68 5.4 4.0 6.0

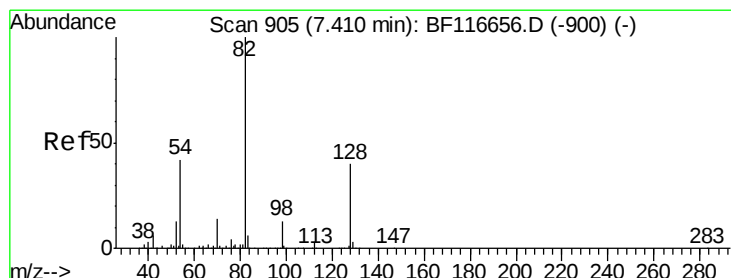
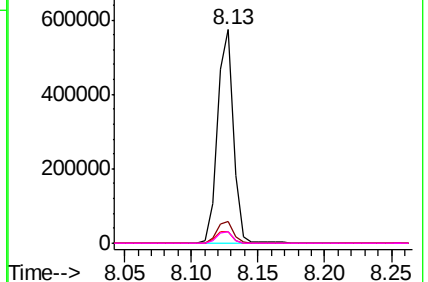
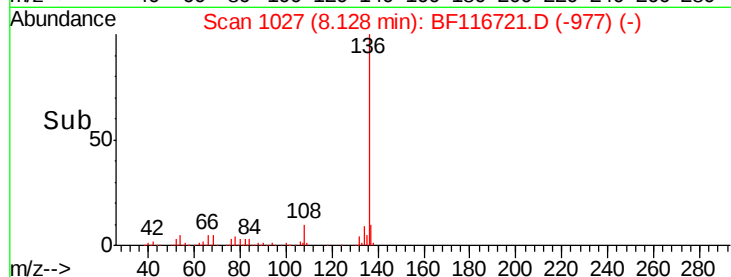


Abundance Ion 136.00 (135.70 to 136.70): E

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: 101.124 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF116721.D

Acq: 1 Sep 2019 3:13

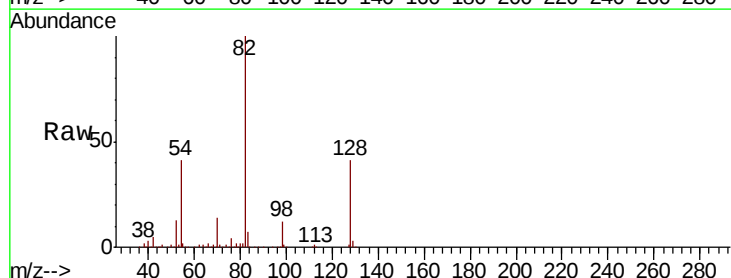
Tgt Ion: 82 Resp: 861879

Ion Ratio Lower Upper

82 100

128 40.9 32.8 49.2

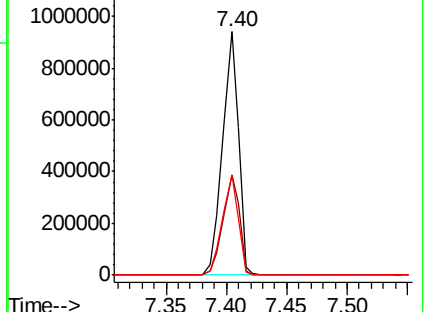
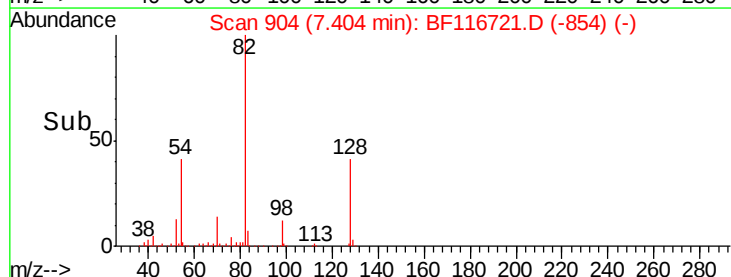
54 41.4 36.9 55.3



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: 49.904 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.26 min

Lab File: BF116721.D

Acq: 1 Sep 2019 3:13

Instrument :

BNA_F

ClientSampleId :

OK-02-082919

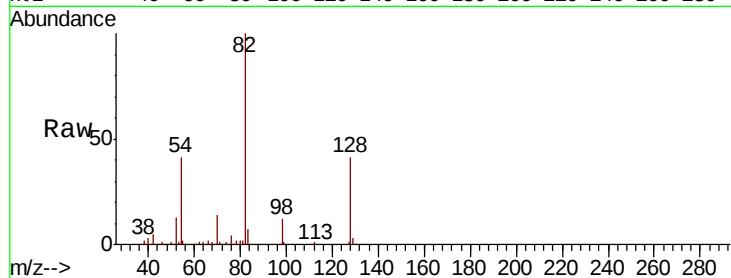
Tot Ion: 82 Resp: 861868

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

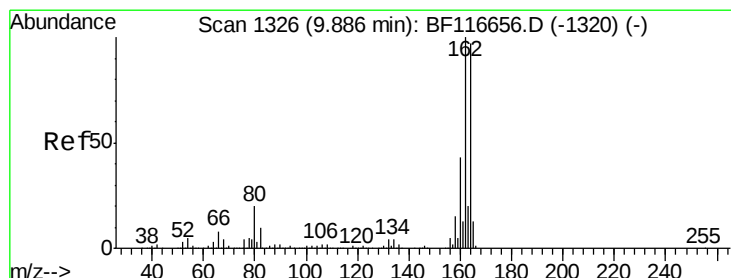
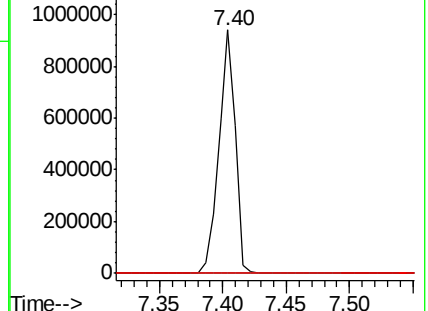
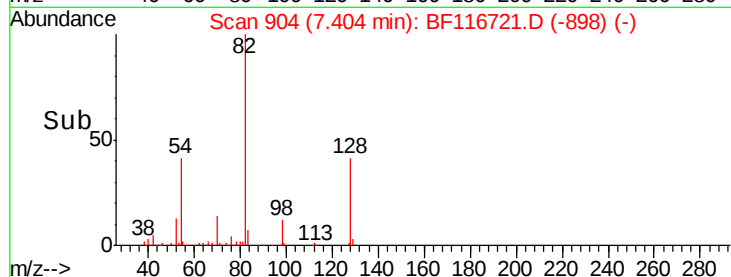
138 0.0 13.5 20.3#



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: BF116721.D

Acq: 1 Sep 2019 3:13

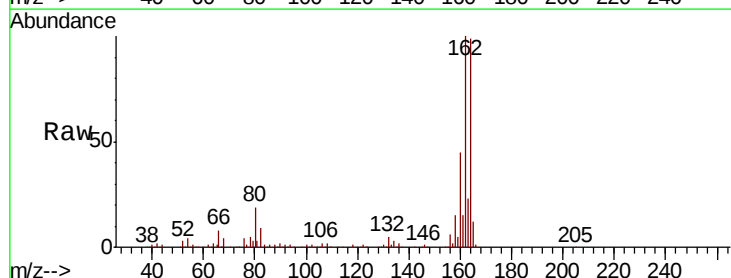
Tgt Ion: 164 Resp: 256343

Ion Ratio Lower Upper

164 100

162 101.3 81.4 122.0

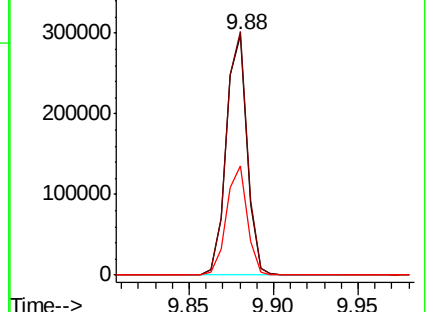
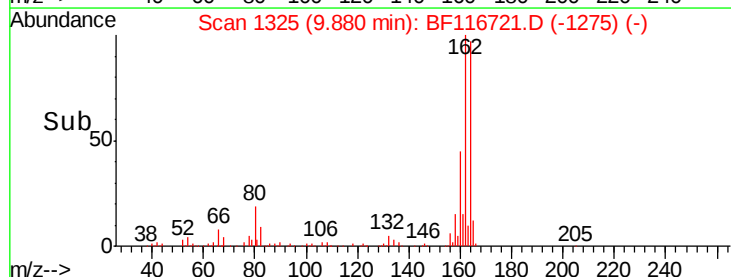
160 45.2 35.4 53.2

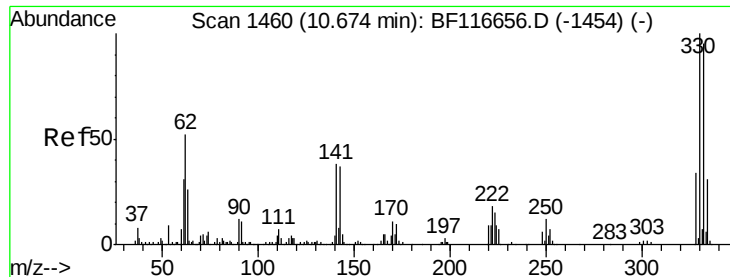


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

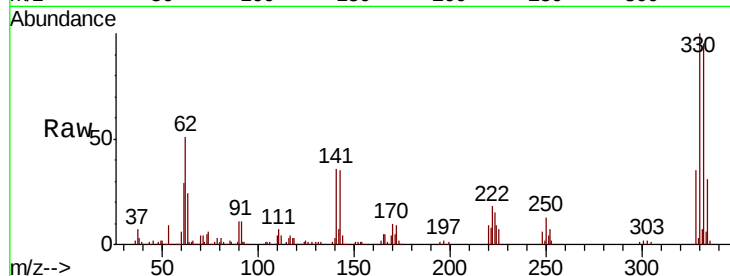




#42
 2,4,6-Tribromophenol
 Concen: 161.948 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF116721.D
 Acq: 1 Sep 2019 3:13

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-082919

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.1	76.9	115.3
141	43.7	31.4	47.2

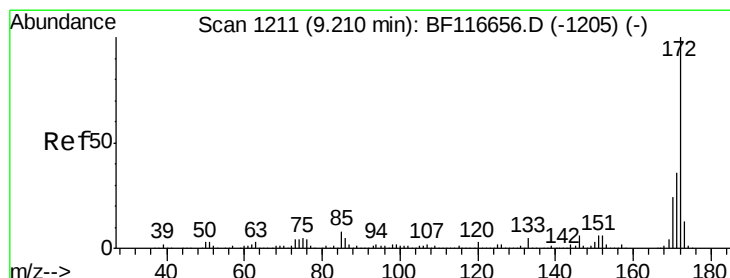
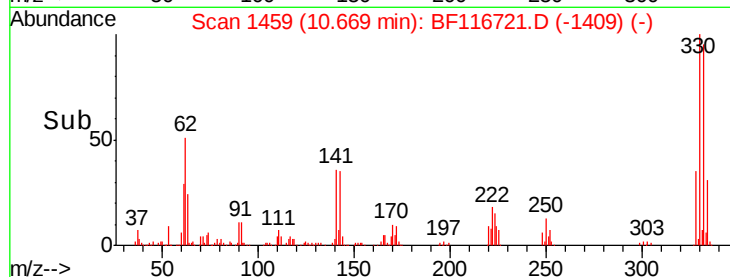
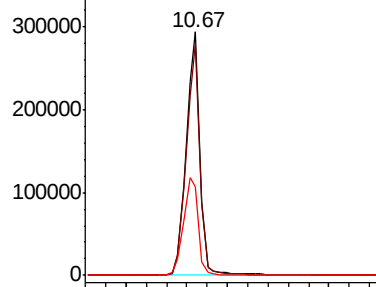


Abundance

Ion 329.80 (329.50 to 330.50): E

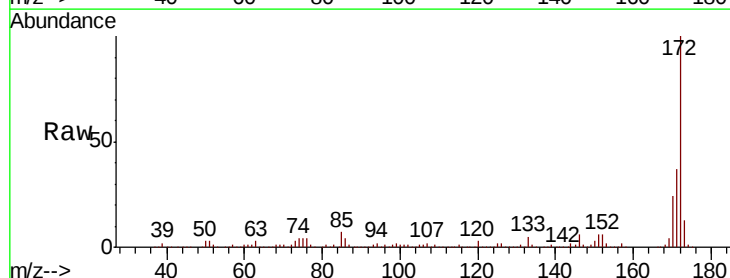
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 93.265 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF116721.D
 Acq: 1 Sep 2019 3:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	27.8	41.6
170	24.5	18.9	28.3

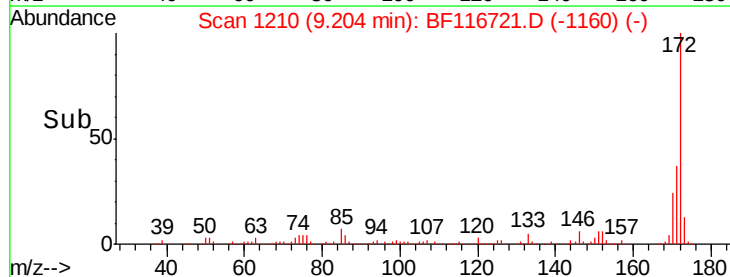
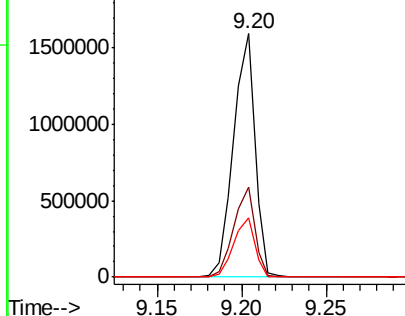


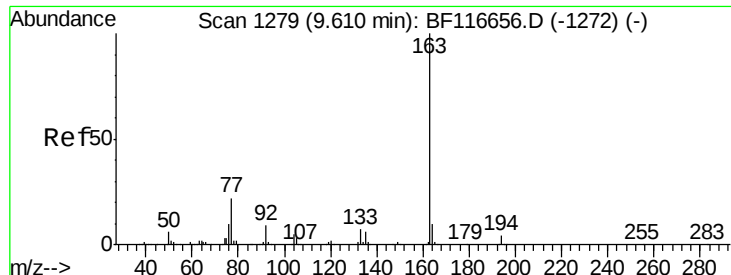
Abundance

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

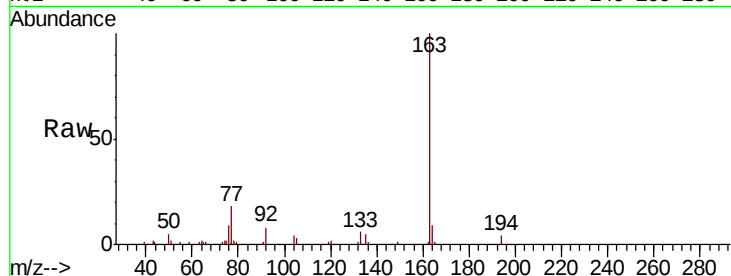




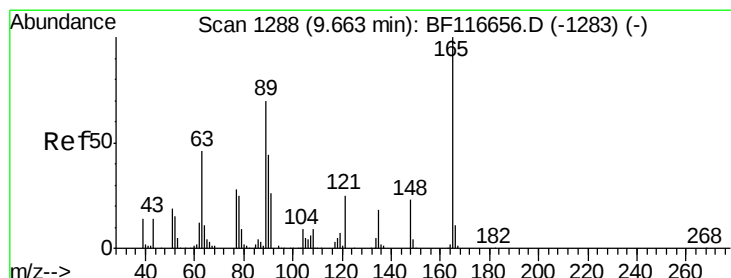
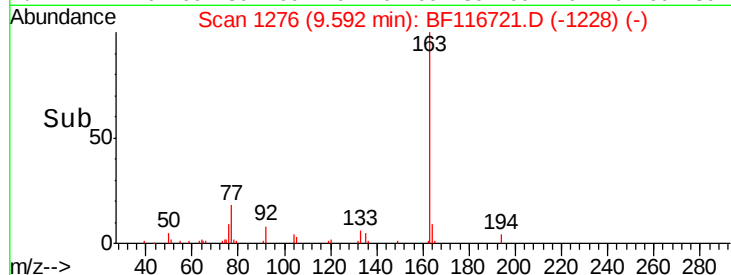
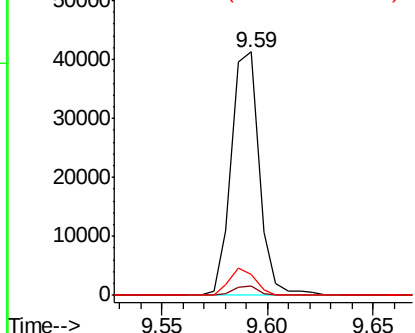
#50
Dimethylphthalate
Concen: 2.141 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116721.D
Acq: 1 Sep 2019 3:13

Instrument :
BNA_F
ClientSampleId :
OK-02-082919

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.8	4.2
164	8.8	8.6	12.8

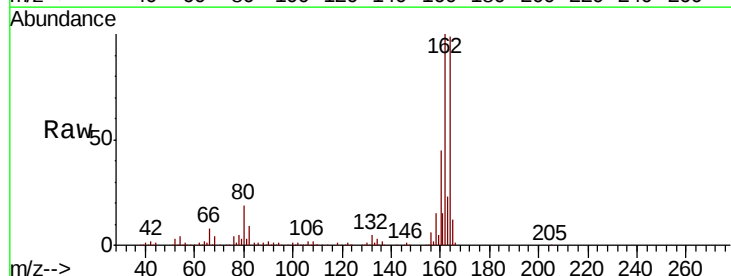


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

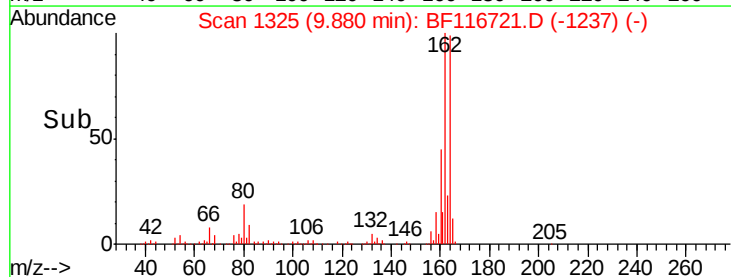
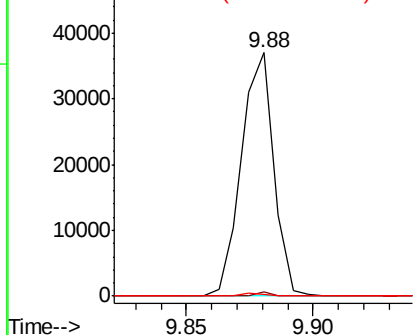


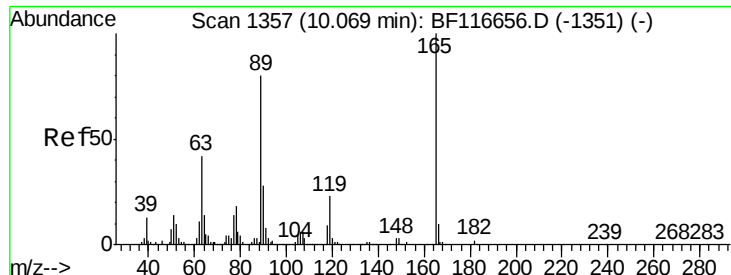
#51
2,6-Dinitrotoluene
Concen: 9.726 ng
RT: 9.88 min Scan# 1325
Delta R.T. 0.22 min
Lab File: BF116721.D
Acq: 1 Sep 2019 3:13

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	47.3	70.9#
89	0.9	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

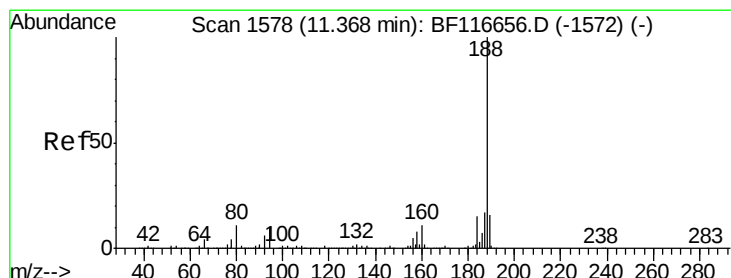
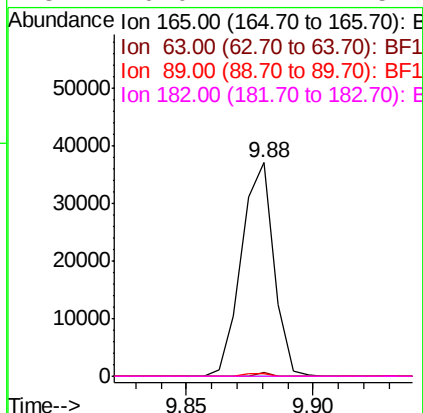
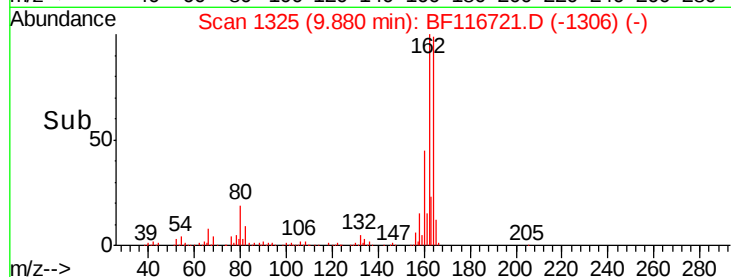
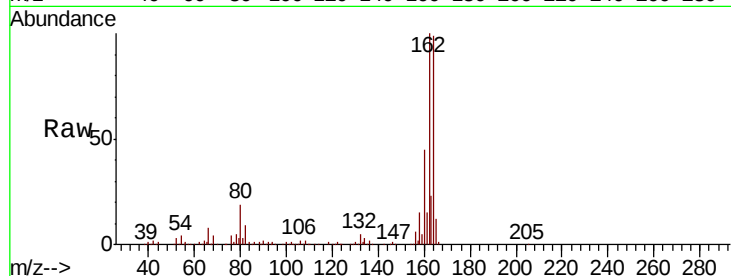




#57
2,4-Dinitrotoluene
Concen: 7.954 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.19 min
Lab File: BF116721.D
Acq: 1 Sep 2019 3:13

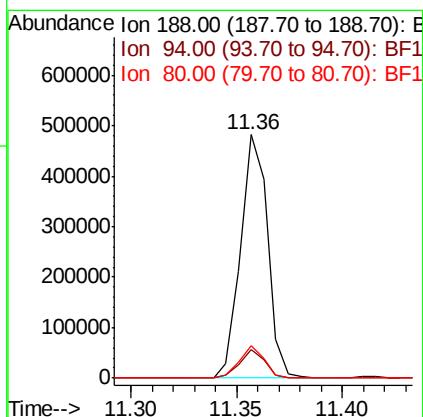
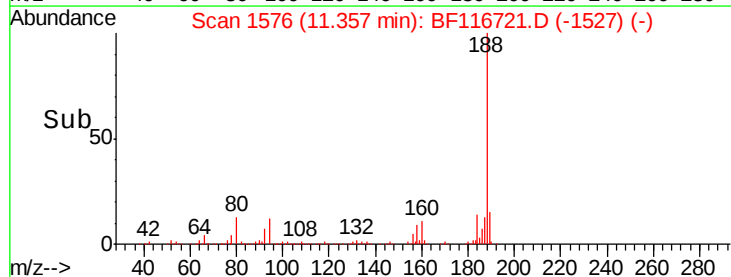
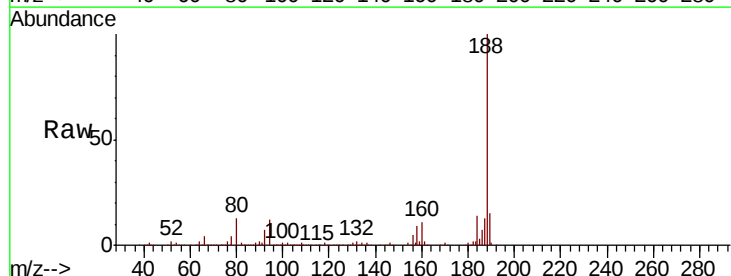
Instrument :
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ClientSampleId :
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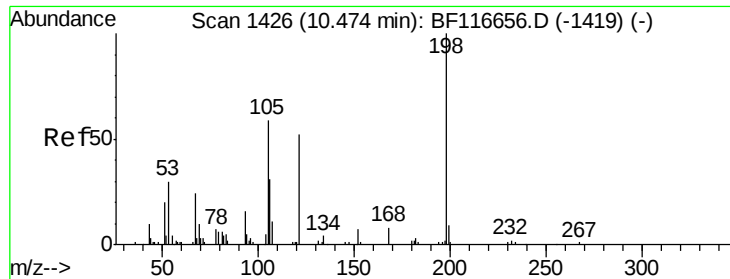
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	0.9	62.6	94.0#
182	0.0	2.1	3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF116721.D
Acq: 1 Sep 2019 3:13

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.7	7.3	10.9#
80	13.5	8.4	12.6#

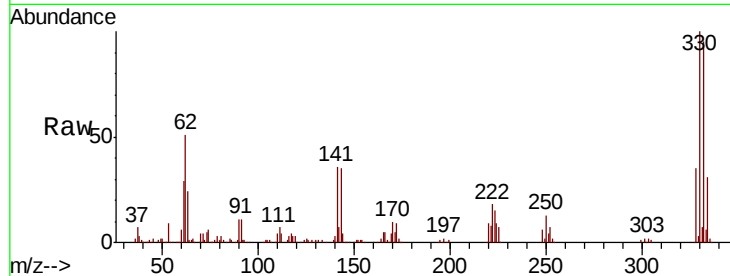




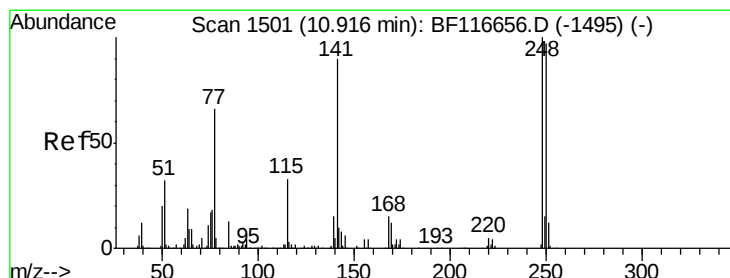
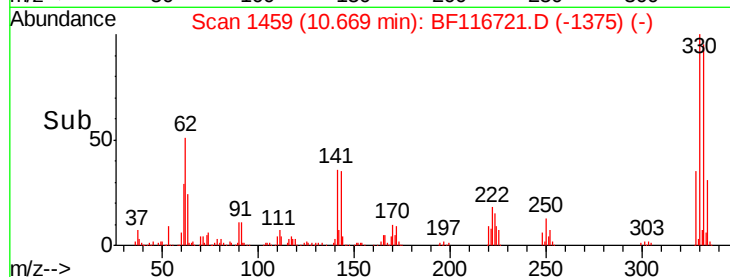
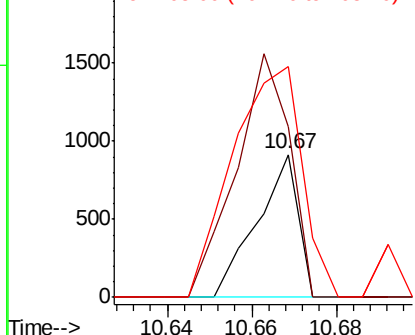
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.788 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. 0.19 min
 Lab File: BF116721.D
 Acq: 1 Sep 2019 3:13

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-082919

Tot Ion:198 Resp: 625
 Ion Ratio Lower Upper
 198 100
 51 119.2 18.4 58.4#
 105 161.6 22.9 62.9#

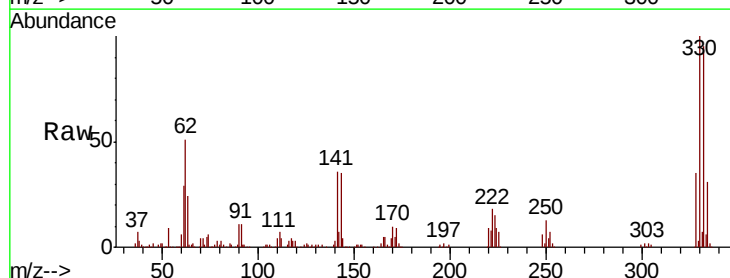


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

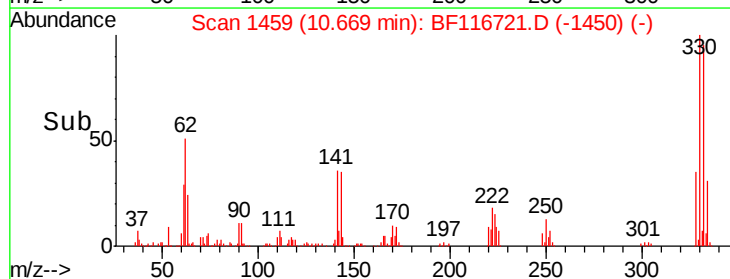
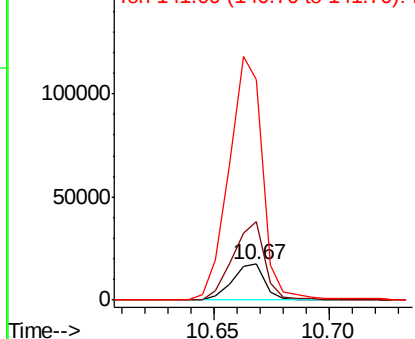


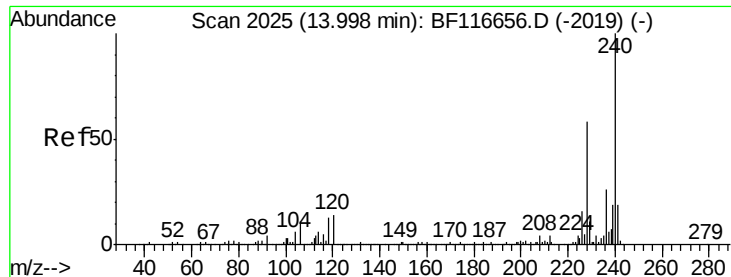
#67
 4-Bromophenyl-phenylether
 Concen: 4.002 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.25 min
 Lab File: BF116721.D
 Acq: 1 Sep 2019 3:13

Tgt Ion:248 Resp: 17322
 Ion Ratio Lower Upper
 248 100
 250 217.8 77.8 116.8#
 141 615.0 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

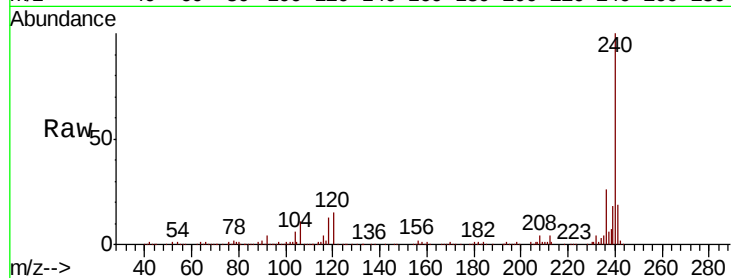




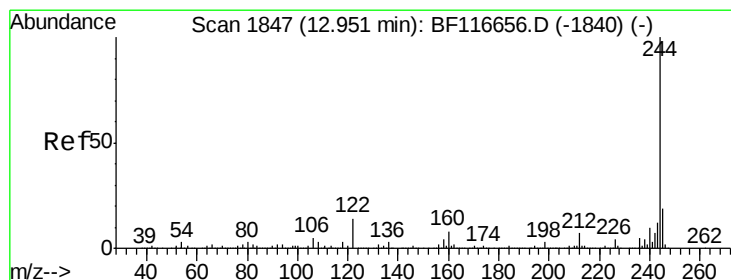
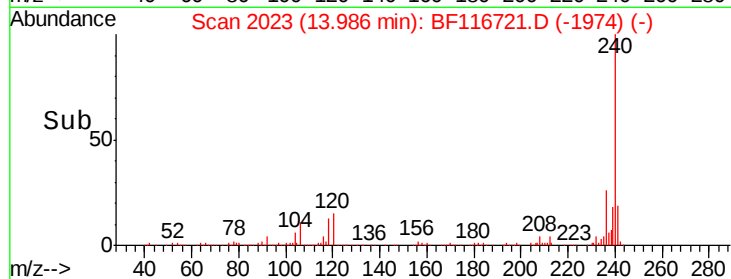
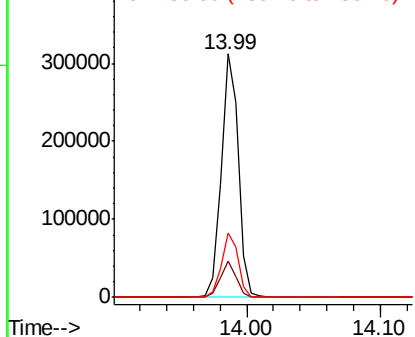
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF116721.D
Acq: 1 Sep 2019 3:13

Instrument :
BNA_F
ClientSampleId :
OK-02-082919

Tot Ion:240 Resp: 281998
Ion Ratio Lower Upper
240 100
120 14.6 9.1 13.7#
236 26.4 21.1 31.7

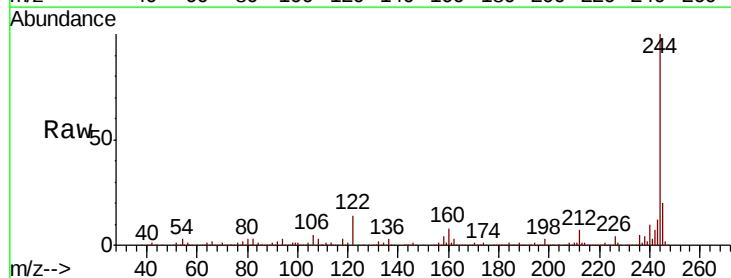


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

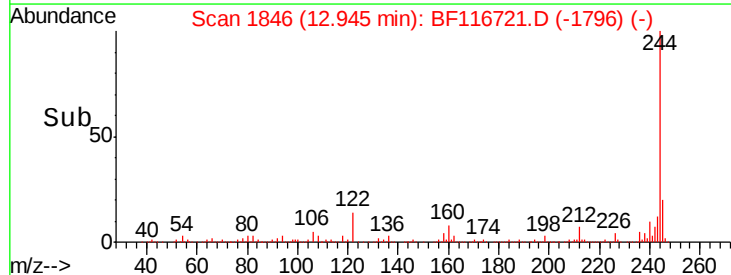
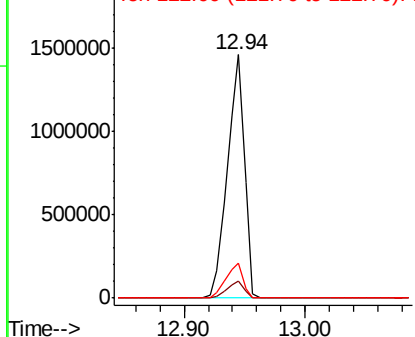


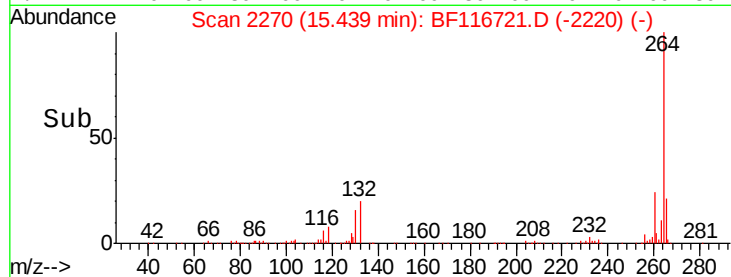
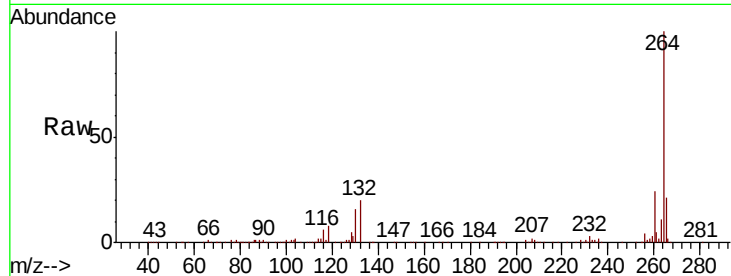
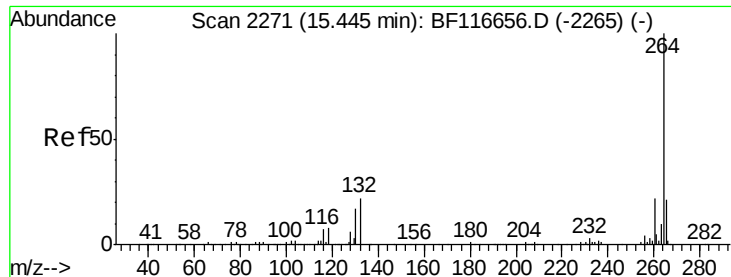
#79
Terphenyl-d14
Concen: 93.677 ng
RT: 12.94 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF116721.D
Acq: 1 Sep 2019 3:13

Tgt Ion:244 Resp: 1427980
Ion Ratio Lower Upper
244 100
212 7.1 6.1 9.1
122 14.4 10.2 15.4



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
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF116721.D
Acq: 1 Sep 2019 3:13

Instrument :
BNA_F
ClientSampleId :
OK-02-082919

Tot Ion:	264	Resp:	295958
Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.3	27.5
265	21.3	16.5	24.7

