

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF090919\
 Data File : BF116901.D
 Acq On : 9 Sep 2019 17:25
 Operator : HP/JU
 Sample : K4664-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-090619

Quant Time: Sep 10 03:01:01 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

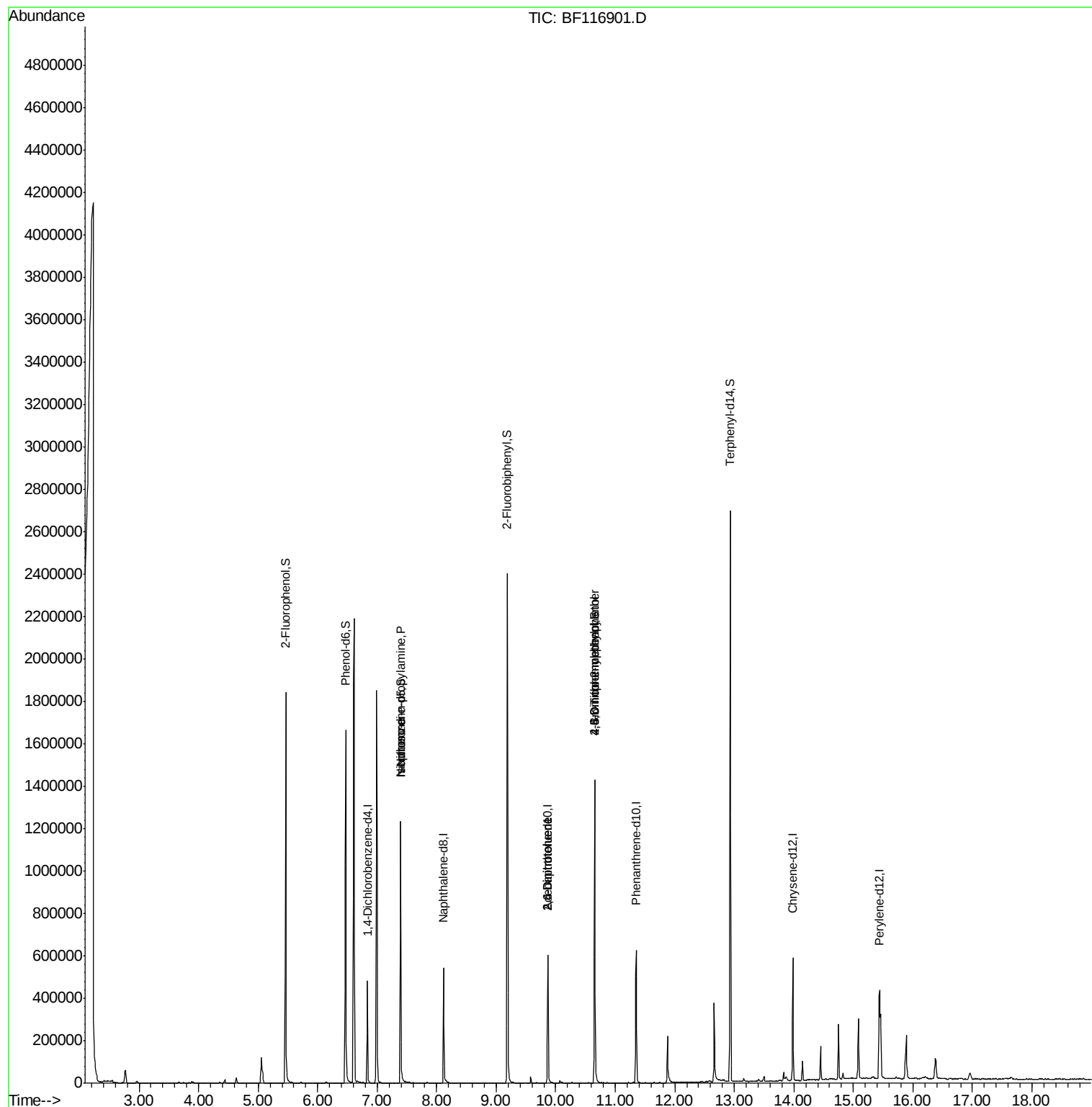
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	69201	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	275394	20.00	ng	-0.02
39) Acenaphthene-d10	9.87	164	140732	20.00	ng	-0.02
64) Phenanthrene-d10	11.35	188	229785	20.00	ng	-0.02
76) Chrysene-d12	13.98	240	190868	20.00	ng	-0.02
87) Perylene-d12	15.44	264	188220	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	536059	125.50	ng	0.00
7) Phenol-d6	6.47	99	663357	118.27	ng	-0.01
23) Nitrobenzene-d5	7.39	82	492988	102.19	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	170367	181.08	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	826920	99.12	ng	-0.02
79) Terphenyl-d14	12.93	244	862774	83.62	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.39	70	65010	17.603	ng	# 71
25) Isophorone	7.39	82	492986	50.432	ng	# 66
51) 2,6-Dinitrotoluene	9.87	165	16894	9.113	ng	# 19
57) 2,4-Dinitrotoluene	9.87	165	16894	7.453	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.66	198	303	7.754	ng	# 1
67) 4-Bromophenyl-phenylether	10.66	248	10840	4.644	ng	# 1

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

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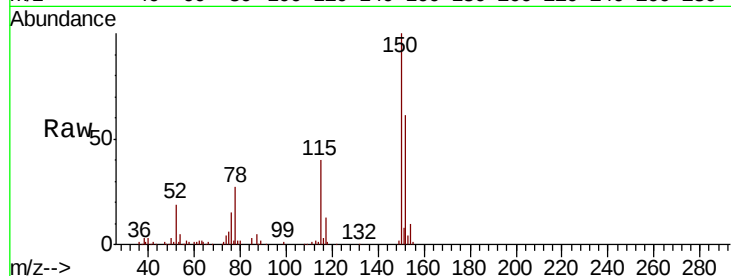


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.02 min
Lab File: BF116901.D
Acq: 9 Sep 2019 17:25

Instrument :
BNA_F
ClientSampleId :
OR-03-090619

Tgt Ion	Ratio	Lower	Upper
152	100		
150	162.8	124.4	186.6
115	65.7	49.9	74.9

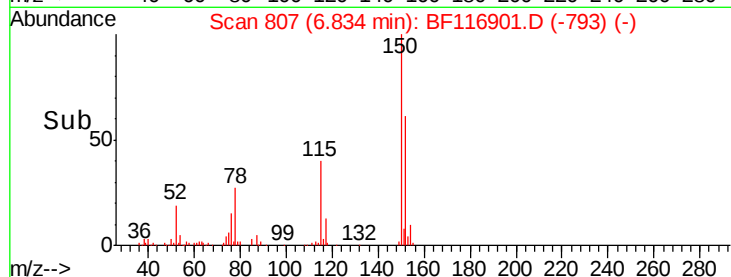
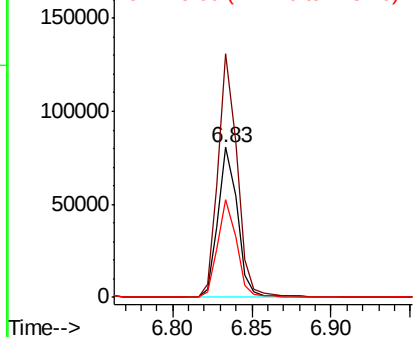


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

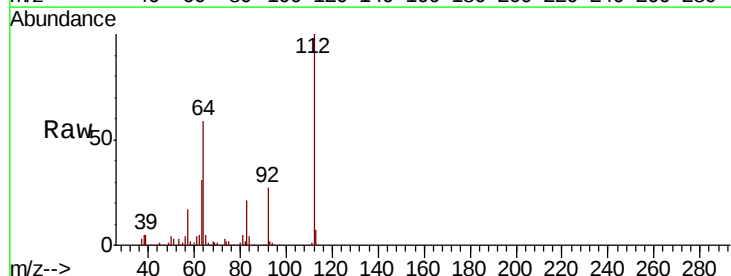
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 125.496 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.00 min
Lab File: BF116901.D
Acq: 9 Sep 2019 17:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.8	47.1	70.7
63	31.0	24.9	37.3

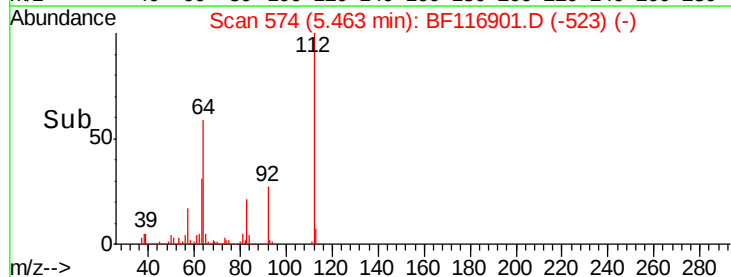
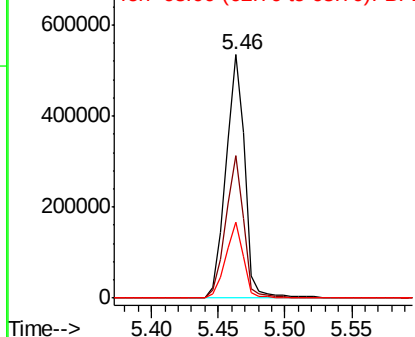


Abundance

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: 118.267 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF116901.D

Acq: 9 Sep 2019 17:25

Instrument :

BNA_F

ClientSampleId :

OR-03-090619

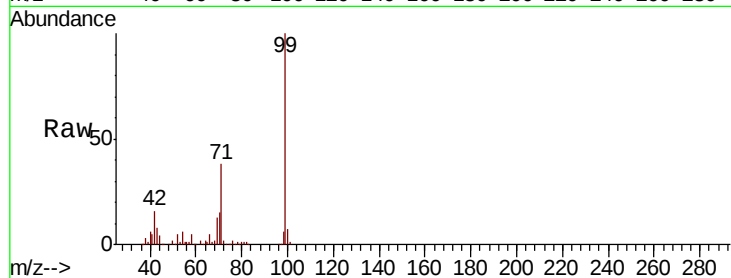
Tgt Ion: 99 Resp: 663357

Ion Ratio Lower Upper

99 100

42 15.8 13.7 20.5

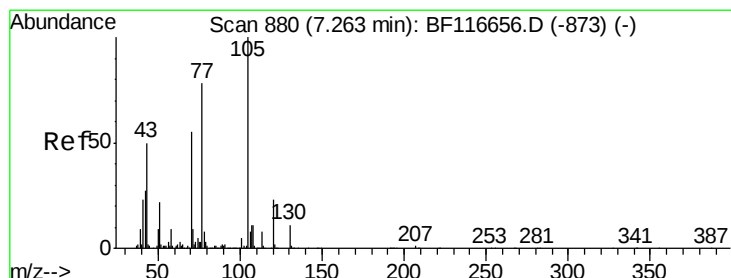
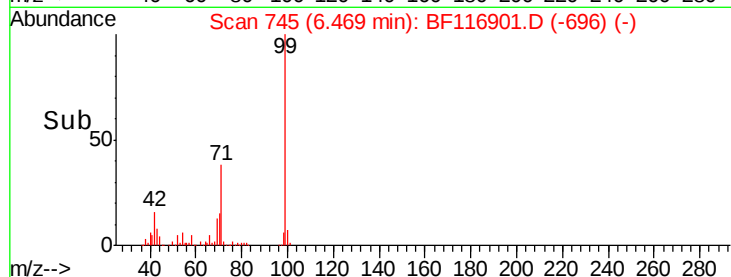
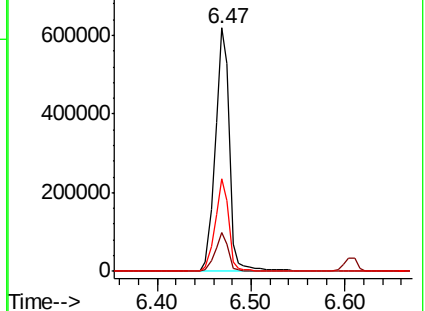
71 37.9 30.8 46.2



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: 17.603 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.13 min

Lab File: BF116901.D

Acq: 9 Sep 2019 17:25

Tgt Ion: 70 Resp: 65010

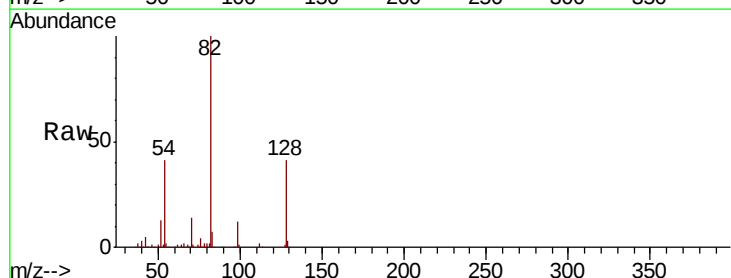
Ion Ratio Lower Upper

70 100

42 36.2 43.5 65.3#

101 0.0 7.8 11.6#

130 1.9 16.6 24.8#

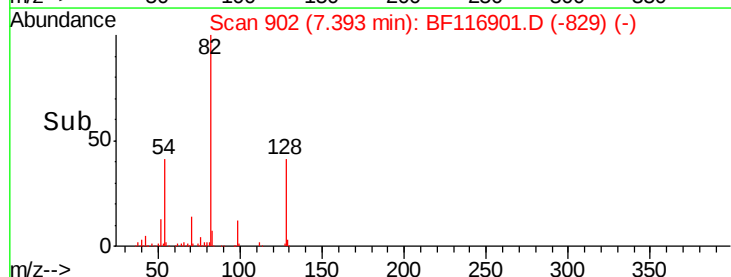
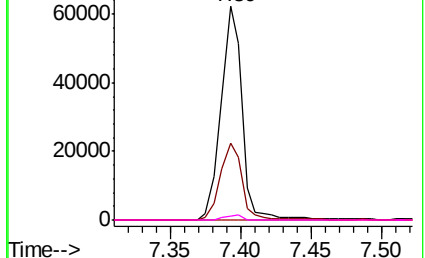


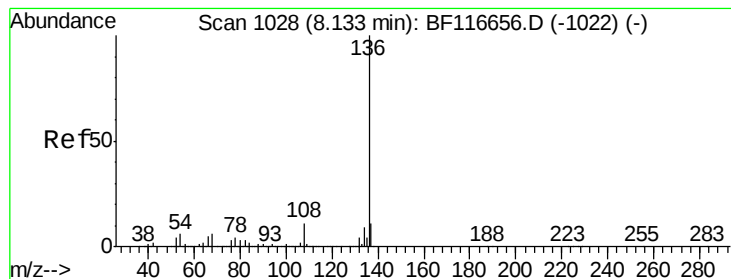
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF116901.D

Acq: 9 Sep 2019 17:25

Instrument :

BNA_F

ClientSampleId :

OR-03-090619

Tgt Ion:136 Resp: 275394

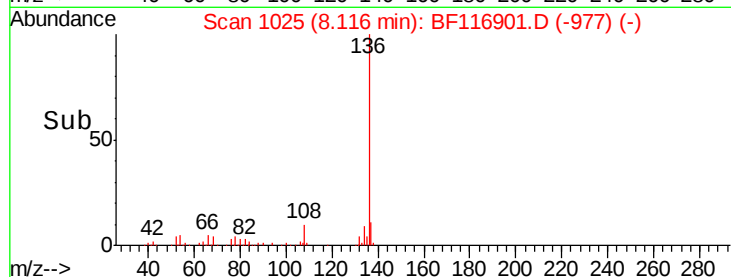
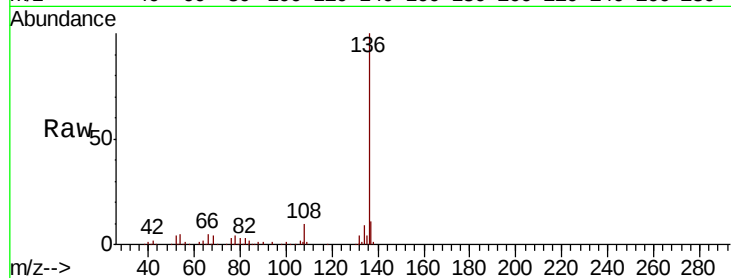
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 5.5 4.8 7.2

68 4.2 4.0 6.0

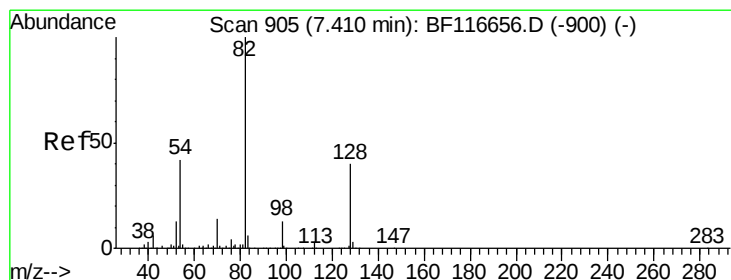
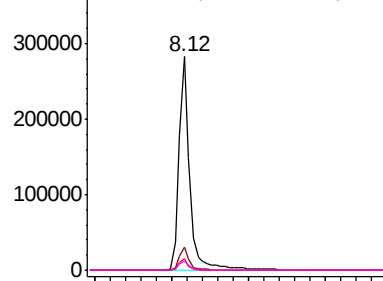


Abundance Ion 136.00 (135.70 to 136.70): E

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: 102.193 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.02 min

Lab File: BF116901.D

Acq: 9 Sep 2019 17:25

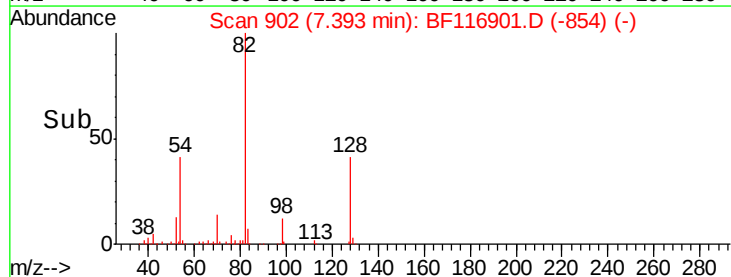
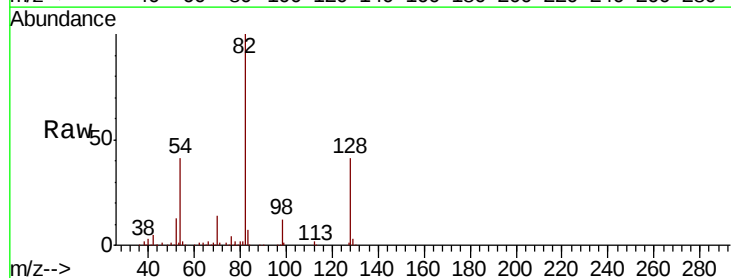
Tgt Ion: 82 Resp: 492988

Ion Ratio Lower Upper

82 100

128 41.2 32.8 49.2

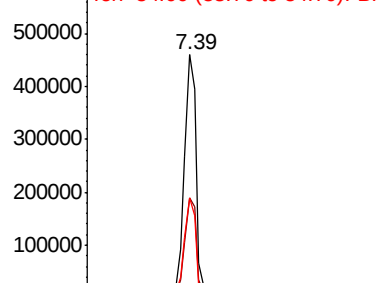
54 41.1 36.9 55.3

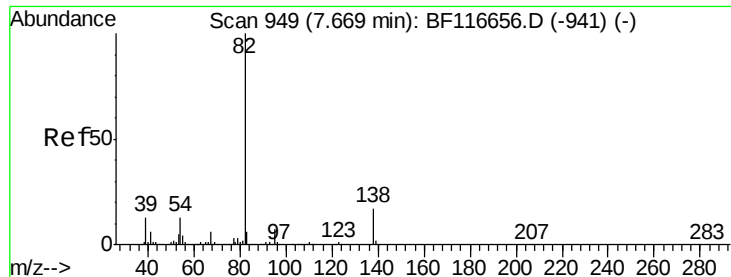


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 50.432 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.28 min

Lab File: BF116901.D

Acq: 9 Sep 2019 17:25

Instrument :

BNA_F

ClientSampleId :

OR-03-090619

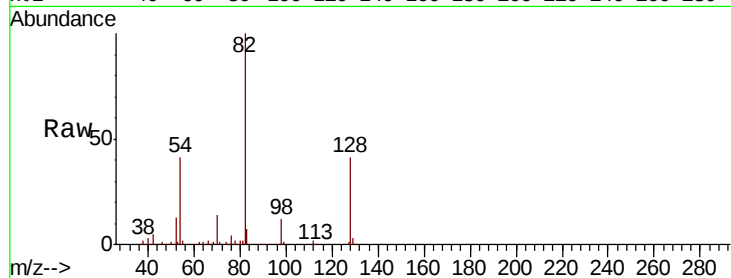
Tgt Ion: 82 Resp: 492986

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

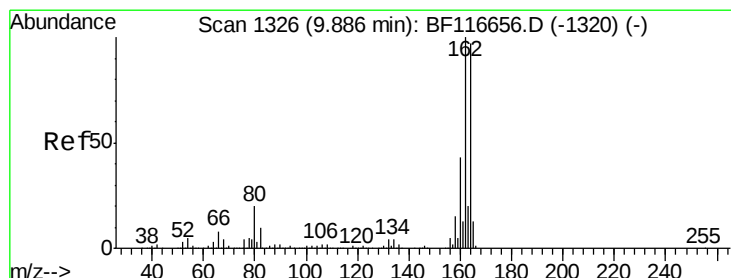
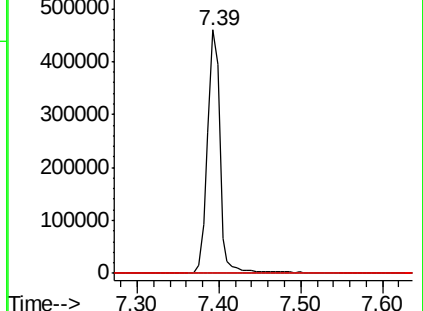
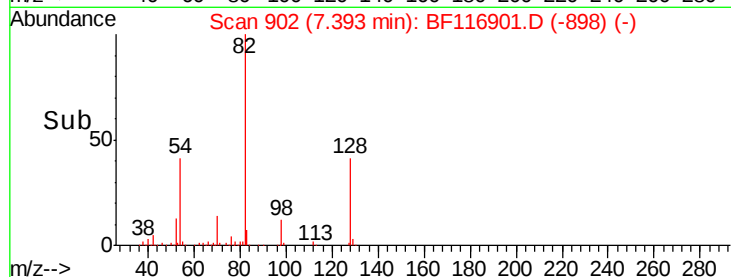
138 0.0 13.5 20.3#



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: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF116901.D

Acq: 9 Sep 2019 17:25

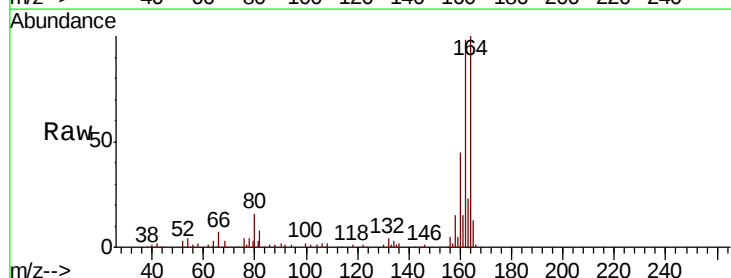
Tgt Ion: 164 Resp: 140732

Ion Ratio Lower Upper

164 100

162 98.4 81.4 122.0

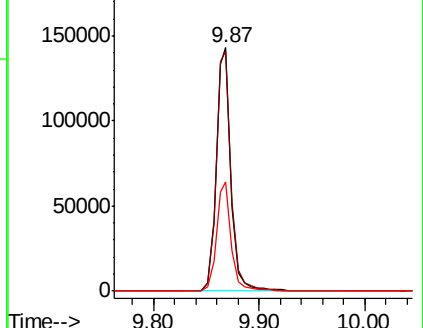
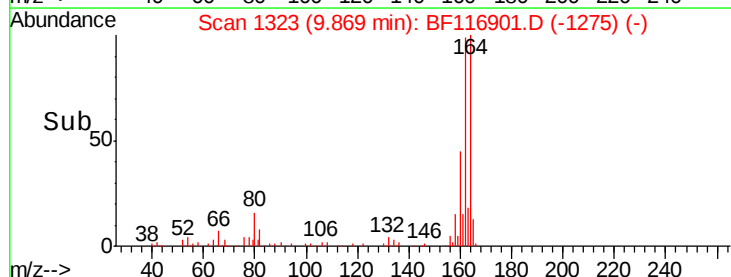
160 45.0 35.4 53.2

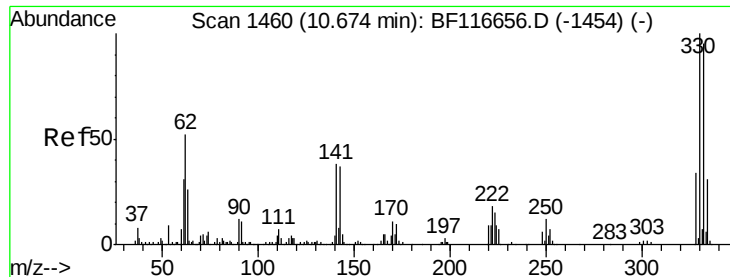


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 181.083 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.02 min

Lab File: BF116901.D

Acq: 9 Sep 2019 17:25

Instrument :

BNA_F

ClientSampleId :

OR-03-090619

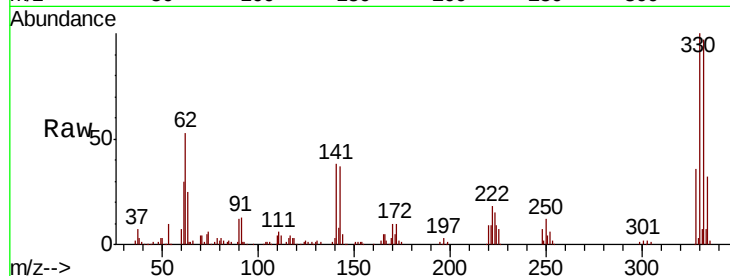
Tgt Ion:330 Resp: 170367

Ion Ratio Lower Upper

330 100

332 96.3 76.9 115.3

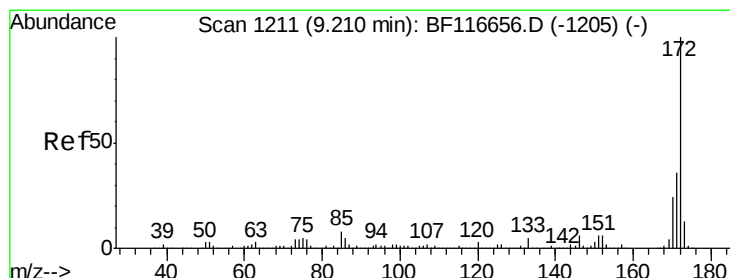
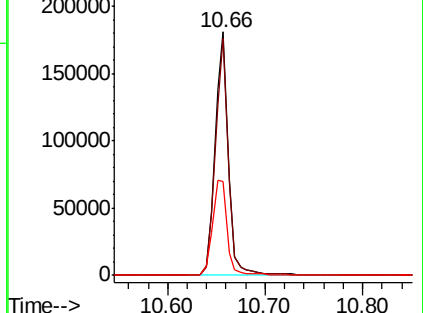
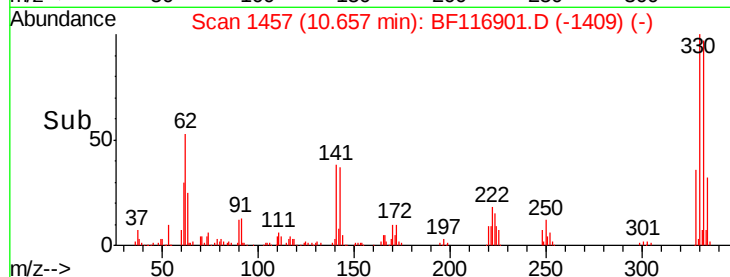
141 43.6 31.4 47.2



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: 99.119 ng

RT: 9.19 min Scan# 1208

Delta R.T. -0.02 min

Lab File: BF116901.D

Acq: 9 Sep 2019 17:25

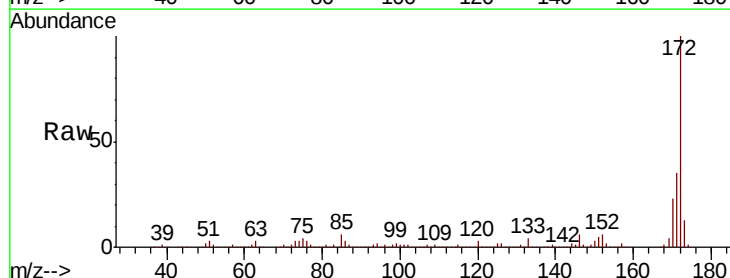
Tgt Ion:172 Resp: 826920

Ion Ratio Lower Upper

172 100

171 35.2 27.8 41.6

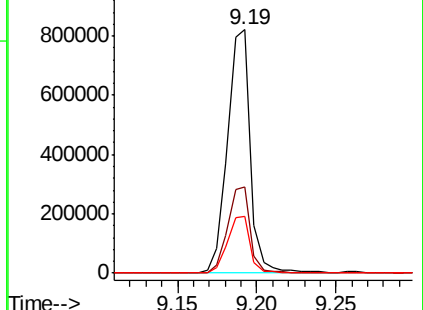
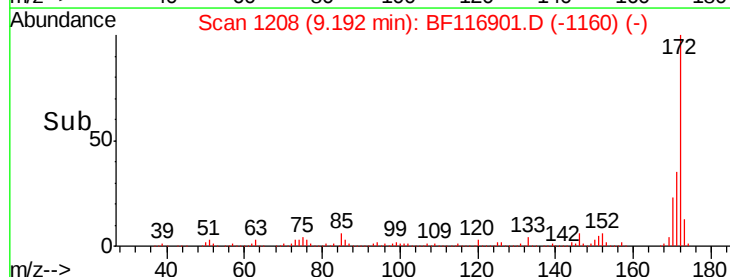
170 23.4 18.9 28.3

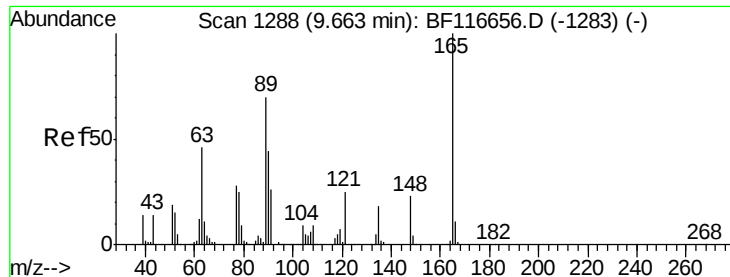


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

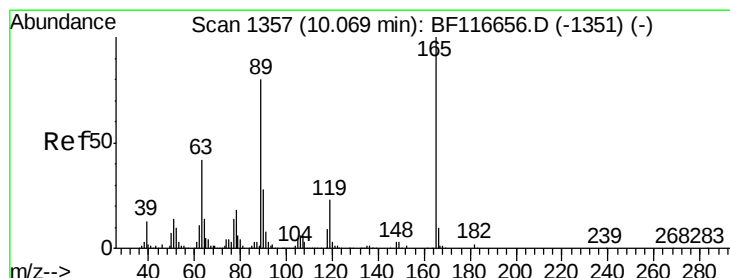
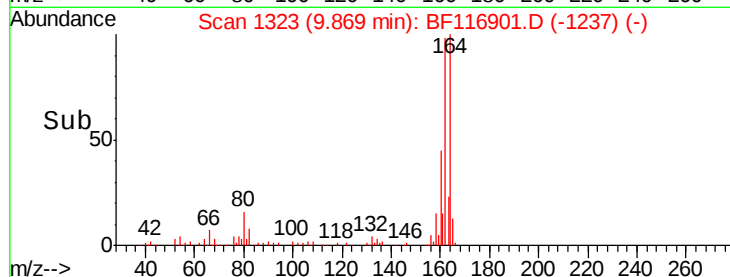
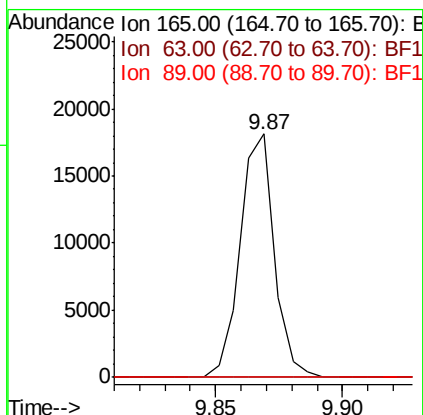
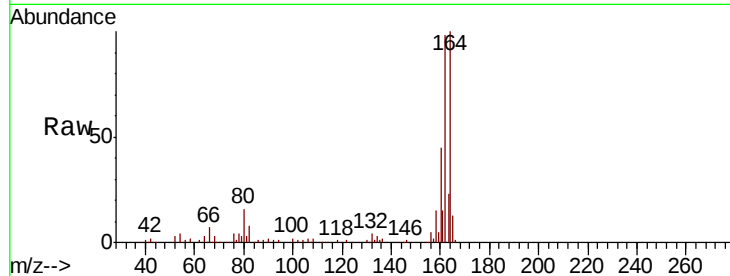




#51
2,6-Dinitrotoluene
Concen: 9.113 ng
RT: 9.87 min Scan# 1323
Delta R.T. 0.21 min
Lab File: BF116901.D
Acq: 9 Sep 2019 17:25

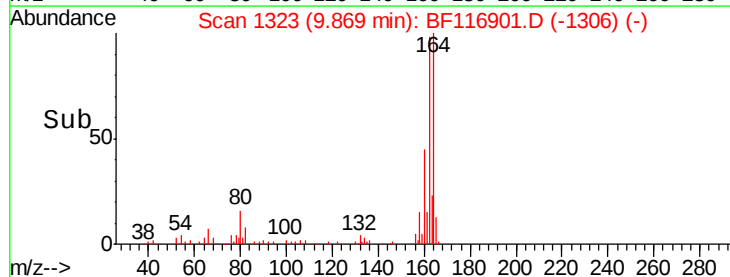
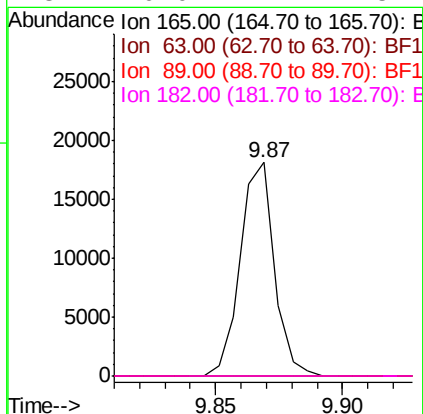
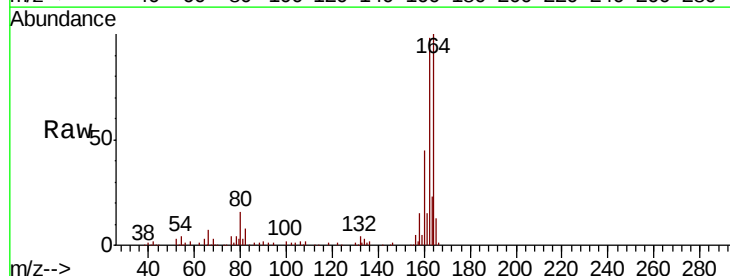
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Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	47.3	70.9#
89	0.0	52.5	78.7#



#57
2,4-Dinitrotoluene
Concen: 7.453 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.20 min
Lab File: BF116901.D
Acq: 9 Sep 2019 17:25

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	62.6	94.0#
182	0.0	2.1	3.1#

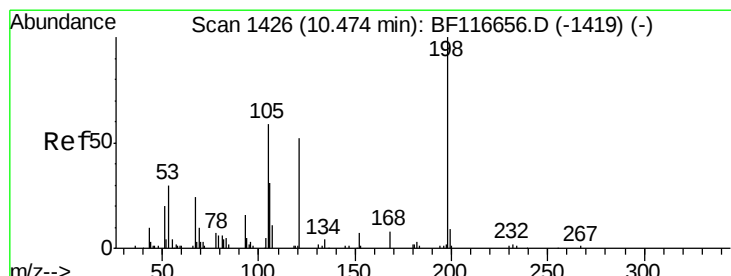
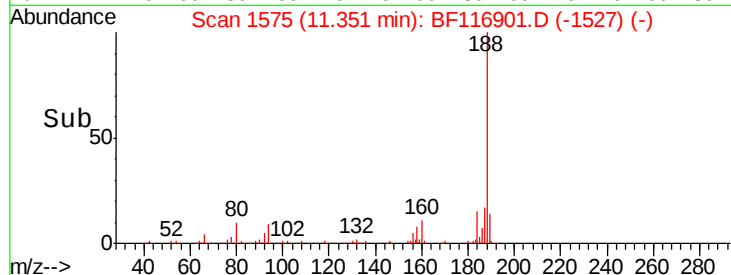
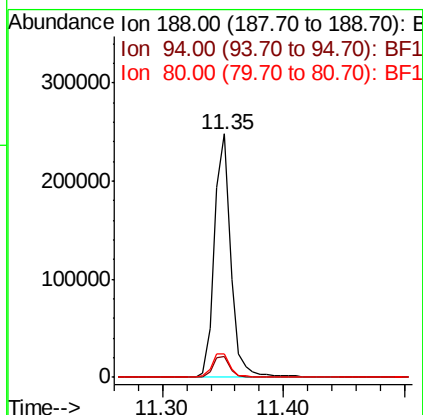
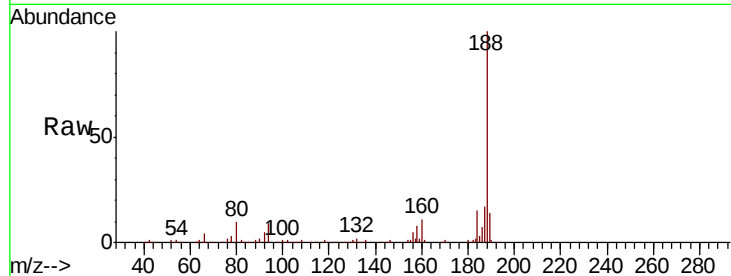




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.02 min
Lab File: BF116901.D
Acq: 9 Sep 2019 17:25

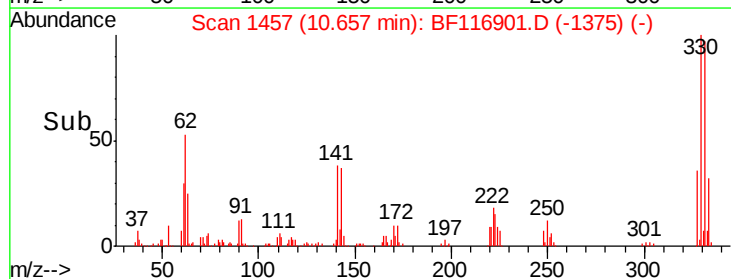
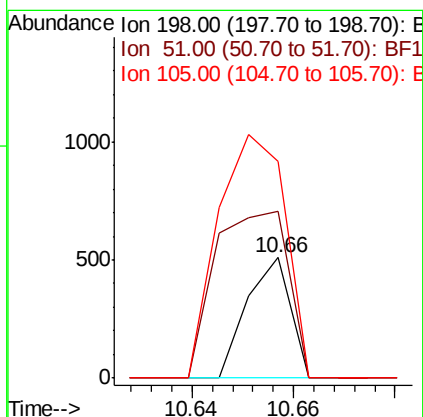
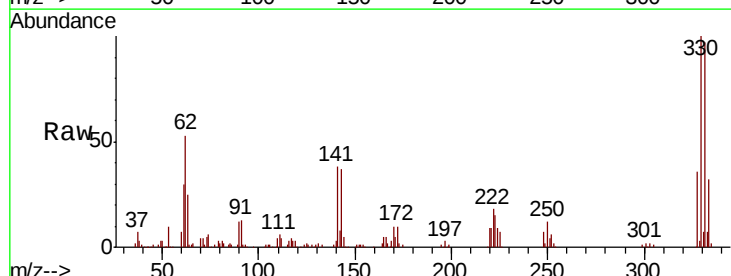
Instrument :
BNA_F
ClientSampleId :
OR-03-090619

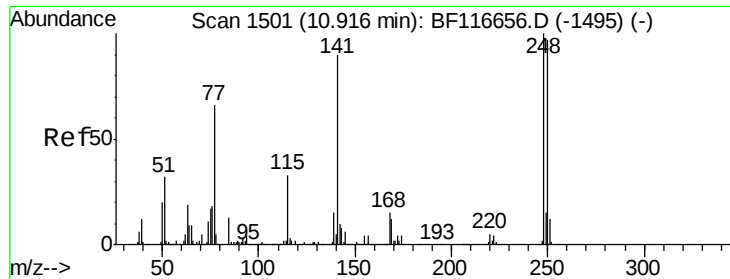
Tgt Ion:188 Resp: 229785
Ion Ratio Lower Upper
188 100
94 8.7 7.3 10.9
80 9.8 8.4 12.6



#65
4,6-Dinitro-2-methylphenol
Concen: 7.754 ng
RT: 10.66 min Scan# 1457
Delta R.T. 0.18 min
Lab File: BF116901.D
Acq: 9 Sep 2019 17:25

Tgt Ion:198 Resp: 303
Ion Ratio Lower Upper
198 100
51 138.1 18.4 58.4#
105 180.4 22.9 62.9#

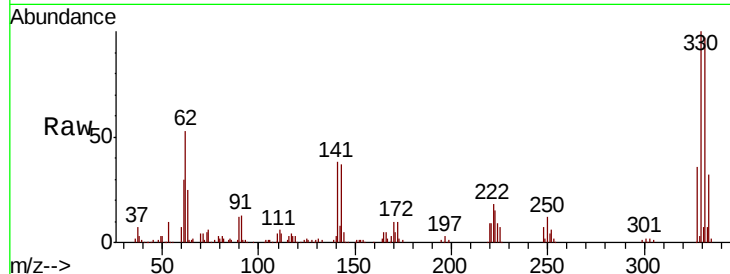




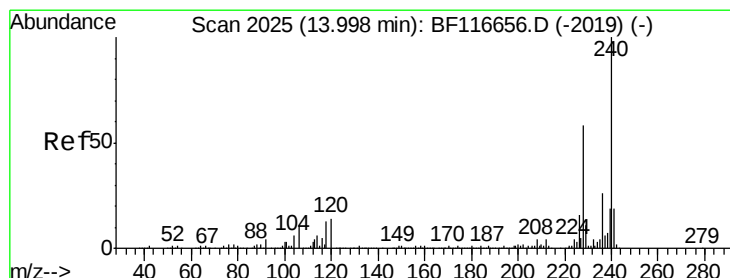
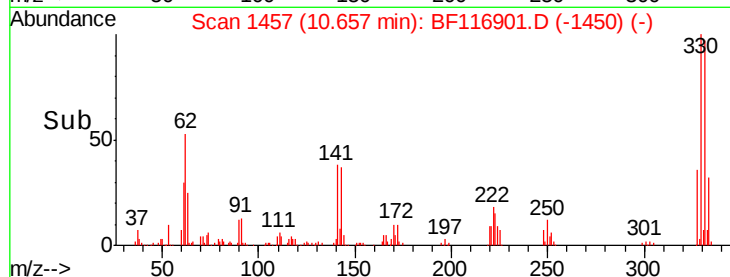
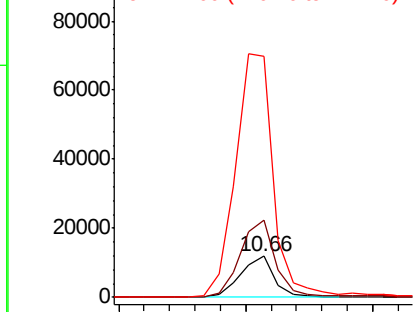
#67
 4-Bromophenyl-phenylether
 Concen: 4.644 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.26 min
 Lab File: BF116901.D
 Acq: 9 Sep 2019 17:25

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-090619

Tgt Ion: 248 Resp: 10840
 Ion Ratio Lower Upper
 248 100
 250 189.6 77.8 116.8#
 141 591.1 75.9 113.9#

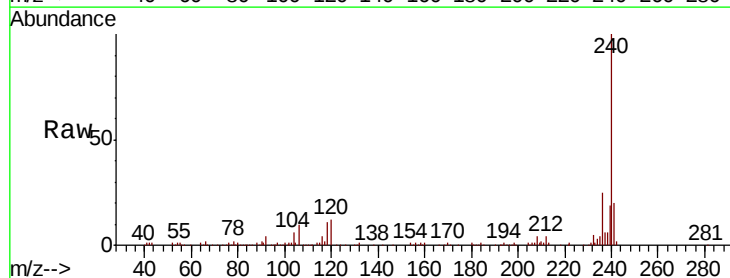


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

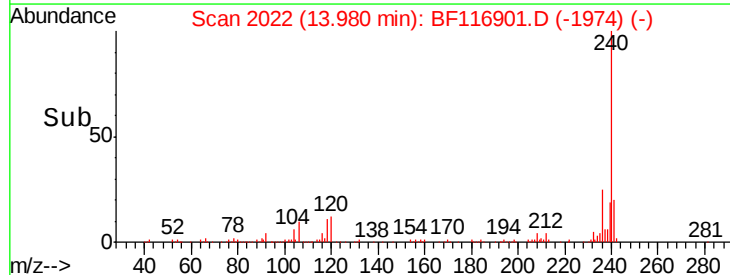
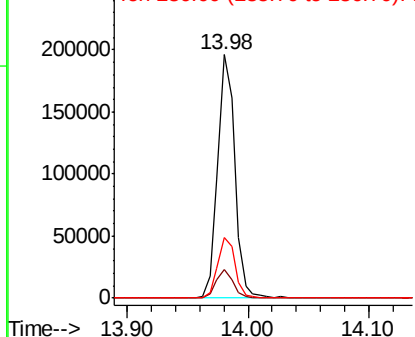


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.02 min
 Lab File: BF116901.D
 Acq: 9 Sep 2019 17:25

Tgt Ion: 240 Resp: 190868
 Ion Ratio Lower Upper
 240 100
 120 11.6 9.1 13.7
 236 24.7 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

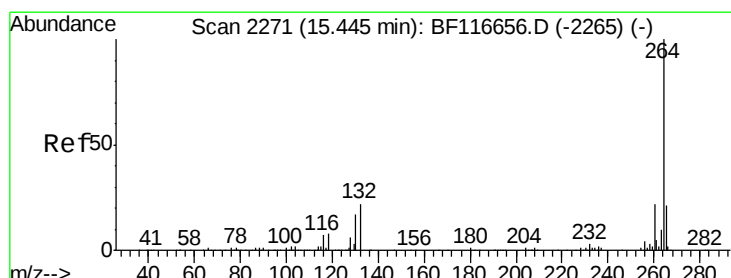
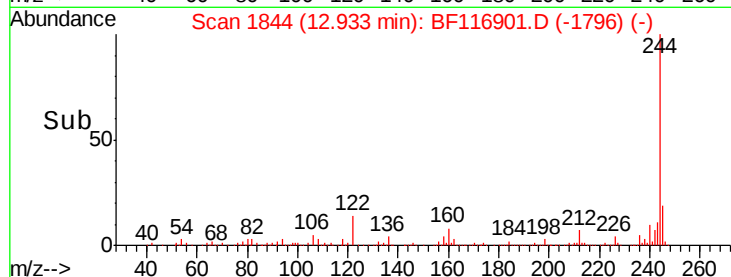
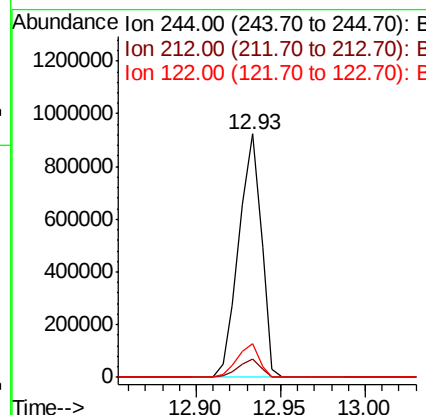
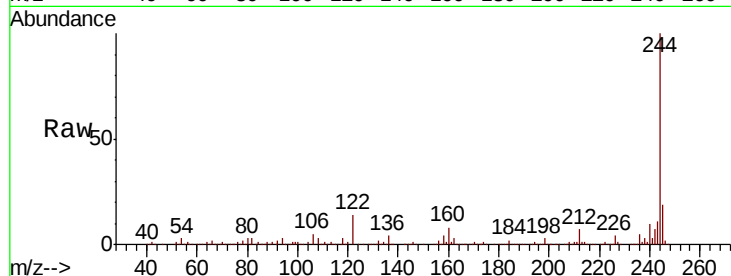




#79
 Terphenyl-d14
 Concen: 83.622 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. -0.02 min
 Lab File: BF116901.D
 Acq: 9 Sep 2019 17:25

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-090619

Tgt Ion:244 Resp: 862774
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.1 9.1
 122 14.0 10.2 15.4



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: BF116901.D
 Acq: 9 Sep 2019 17:25

Tgt Ion:264 Resp: 188220
 Ion Ratio Lower Upper
 264 100
 260 24.4 18.3 27.5
 265 21.9 16.5 24.7

