

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083119\
 Data File : BF116713.D
 Acq On : 31 Aug 2019 23:31
 Operator : HP/JU
 Sample : K4547-27
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T3-S-G

Quant Time: Sep 01 00:45:40 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

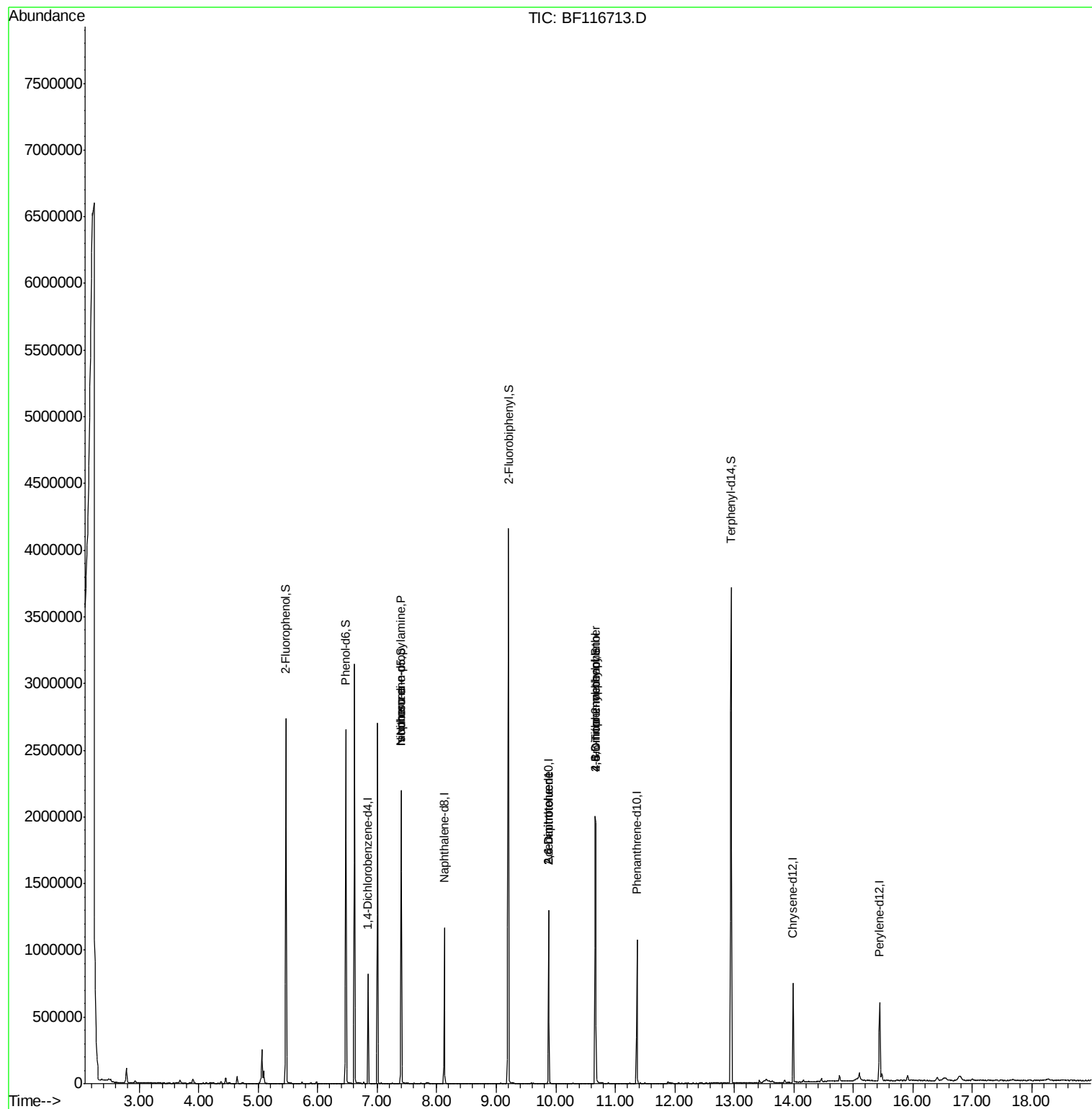
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	118152	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	464481	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	241057	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	391982	20.00	ng	0.00
76) Chrysene-d12	13.99	240	247142	20.00	ng	-0.01
87) Perylene-d12	15.44	264	270593	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	796734	109.25	ng	0.00
7) Phenol-d6	6.47	99	962306	100.48	ng	0.00
23) Nitrobenzene-d5	7.40	82	744448	91.50	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	227797	141.36	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1211506	84.78	ng	0.00
79) Terphenyl-d14	12.94	244	1193867	89.37	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	99863	15.837	ng	# 73
25) Isophorone	7.40	82	744436	45.153	ng	# 66
51) 2,6-Dinitrotoluene	9.88	165	31861	10.034	ng	# 21
57) 2,4-Dinitrotoluene	9.88	165	31861	8.206	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.66	198	423	7.699	ng	# 1
67) 4-Bromophenyl-phenylether	10.67	248	15045	3.778	ng	# 1

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

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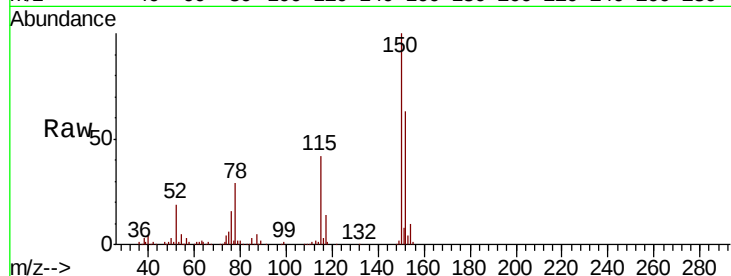


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116713.D
Acq: 31 Aug 2019 23:31

Instrument :
BNA_F
ClientSampled :
T3-S-G

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	124.4	186.6
115	66.7	49.9	74.9

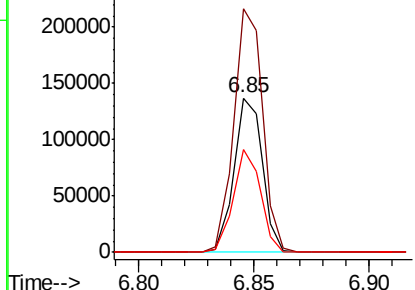
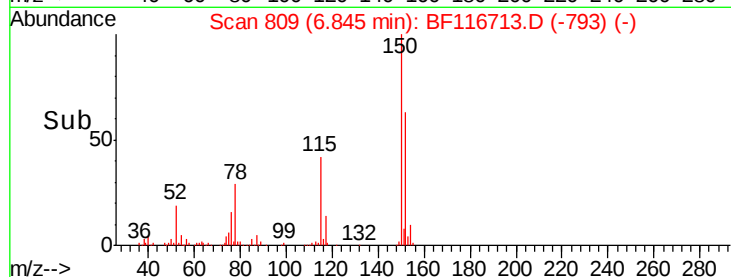


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

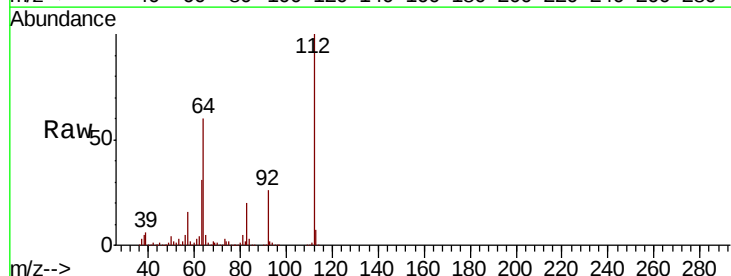
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 109.245 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF116713.D
Acq: 31 Aug 2019 23:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.2	47.1	70.7
63	30.9	24.9	37.3

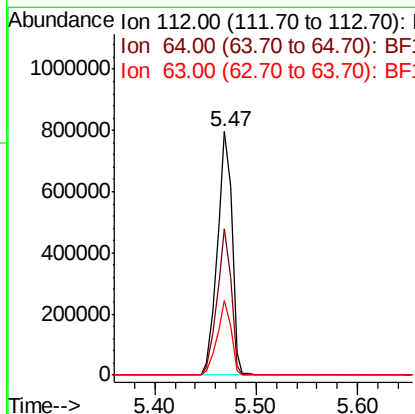
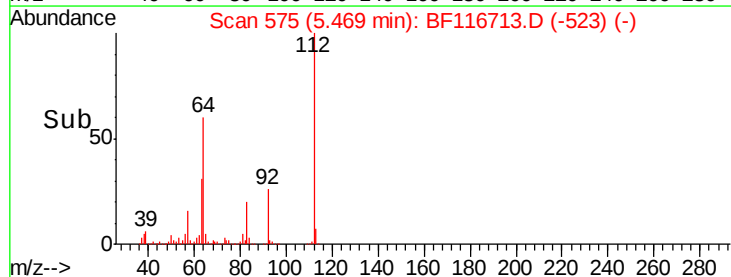


Abundance

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: 100.485 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116713.D

Acq: 31 Aug 2019 23:31

Instrument :

BNA_F

ClientSampled :

T3-S-G

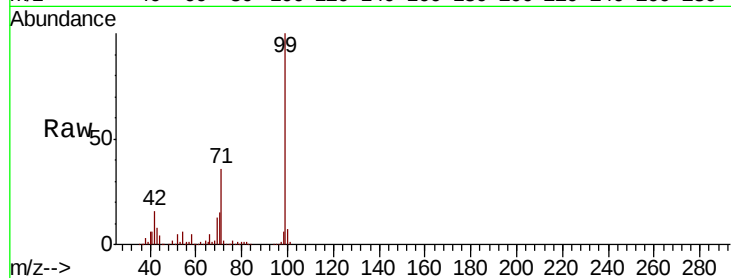
Tot Ion: 99 Resp: 962306

Ion Ratio Lower Upper

99 100

42 16.2 13.7 20.5

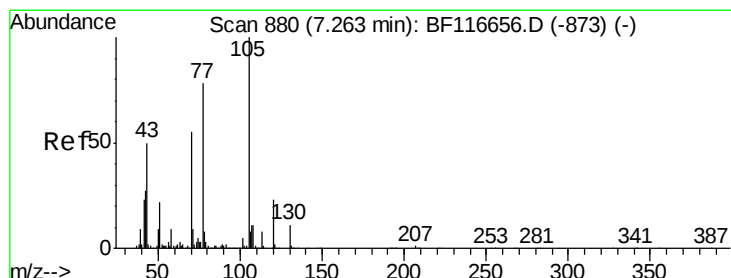
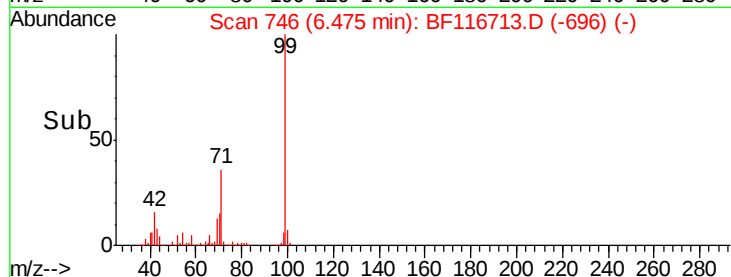
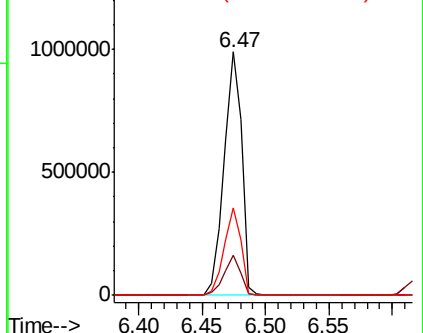
71 36.0 30.8 46.2



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: 15.837 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF116713.D

Acq: 31 Aug 2019 23:31

Tgt Ion: 70 Resp: 99863

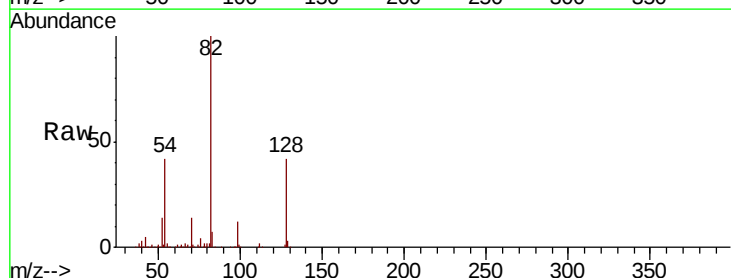
Ion Ratio Lower Upper

70 100

42 38.6 43.5 65.3#

101 0.0 7.8 11.6#

130 2.1 16.6 24.8#

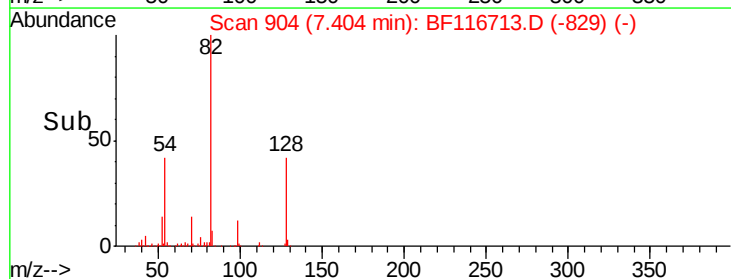
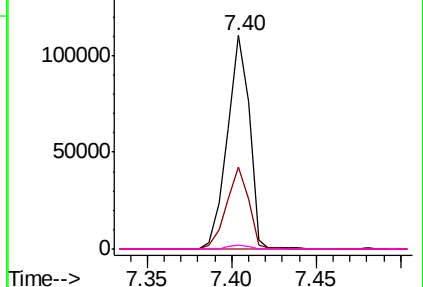


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF116713.D

Acq: 31 Aug 2019 23:31

Instrument :

BNA_F

ClientSampleId :

T3-S-G

Tot Ion:136 Resp: 464481

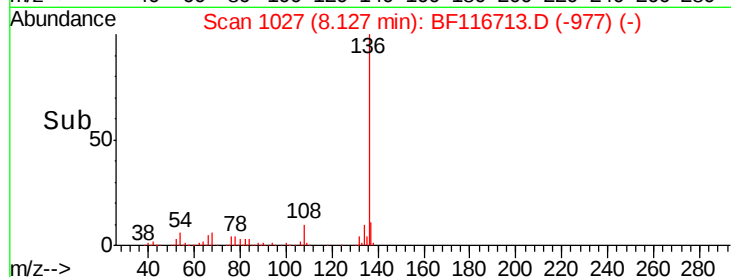
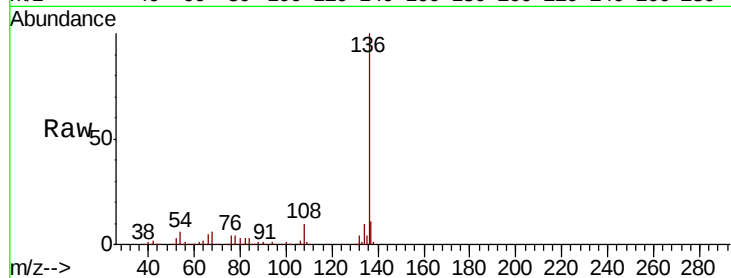
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 6.3 4.8 7.2

68 5.5 4.0 6.0

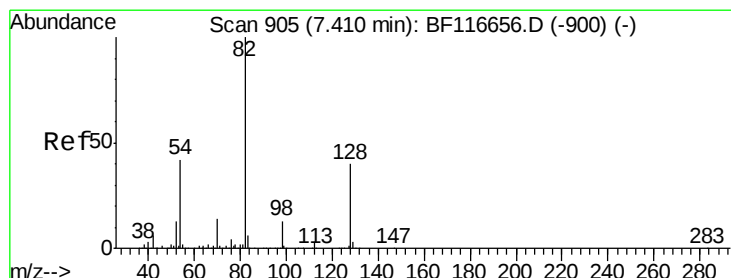
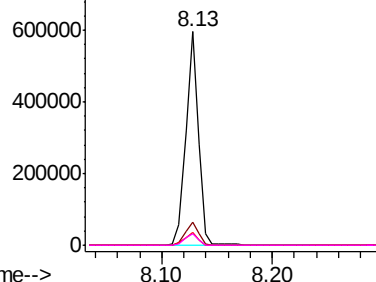


Abundance Ion 136.00 (135.70 to 136.70): E

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: 91.497 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF116713.D

Acq: 31 Aug 2019 23:31

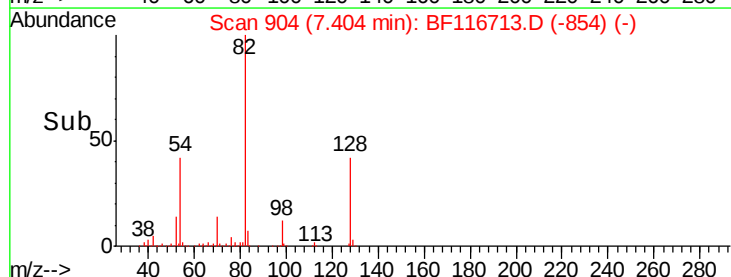
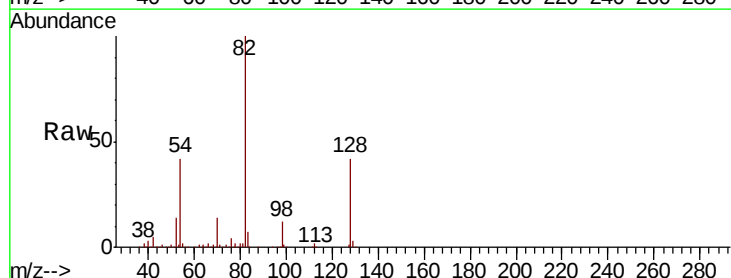
Tgt Ion: 82 Resp: 744448

Ion Ratio Lower Upper

82 100

128 42.0 32.8 49.2

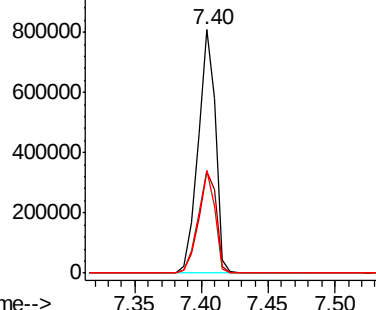
54 42.2 36.9 55.3



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: 45.153 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.26 min

Lab File: BF116713.D

Acq: 31 Aug 2019 23:31

Instrument :

BNA_F

ClientSampleId :

T3-S-G

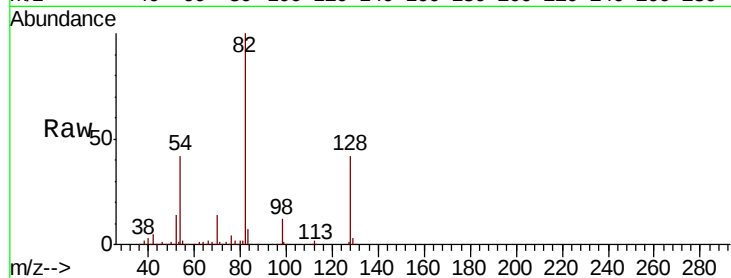
Tot Ion: 82 Resp: 744436

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

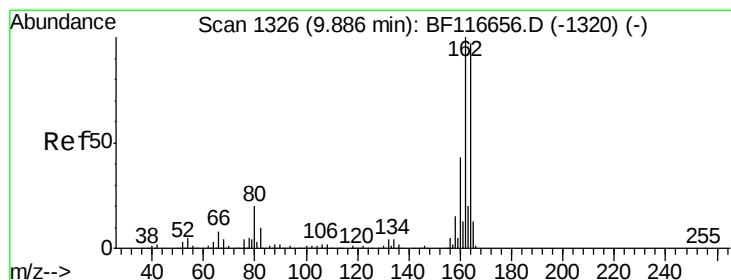
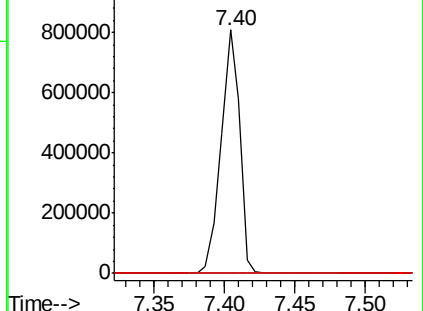
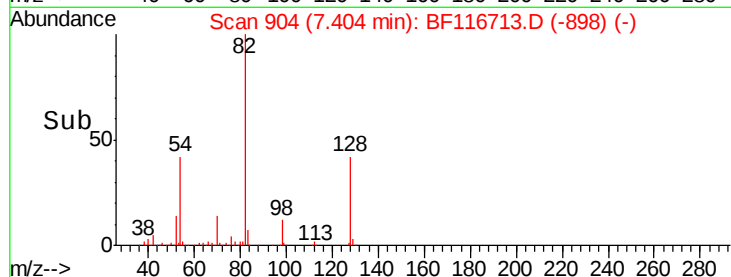
138 0.0 13.5 20.3#



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: BF116713.D

Acq: 31 Aug 2019 23:31

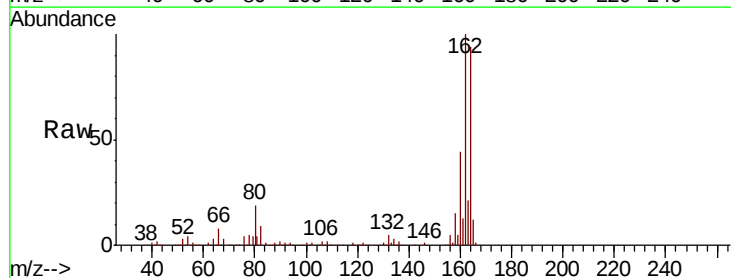
Tgt Ion:164 Resp: 241057

Ion Ratio Lower Upper

164 100

162 106.5 81.4 122.0

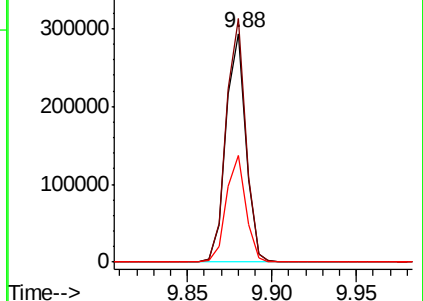
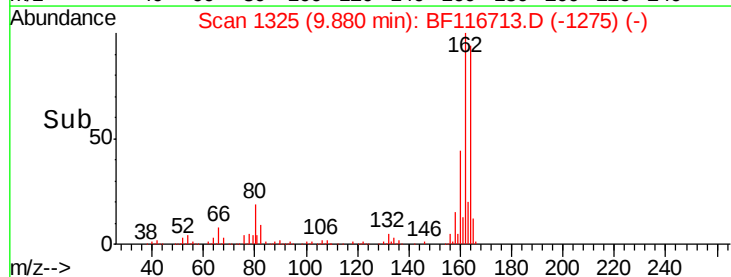
160 46.6 35.4 53.2

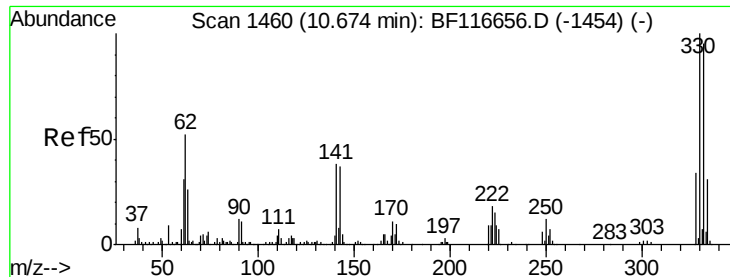


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 141.356 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF116713.D

Acq: 31 Aug 2019 23:31

Instrument :

BNA_F

ClientSampleId :

T3-S-G

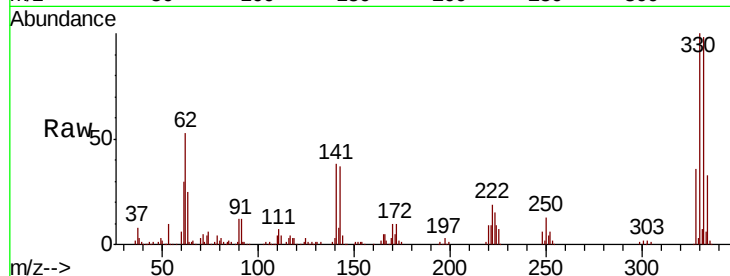
Tot Ion:330 Resp: 227797

Ion Ratio Lower Upper

330 100

332 97.6 76.9 115.3

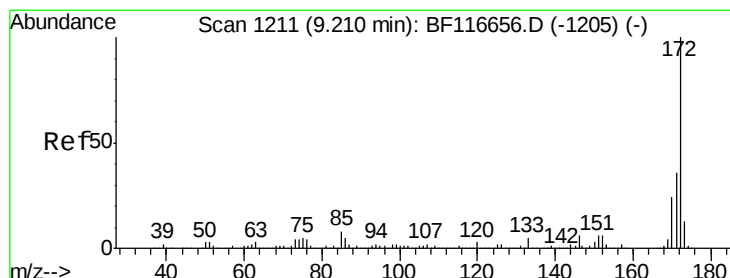
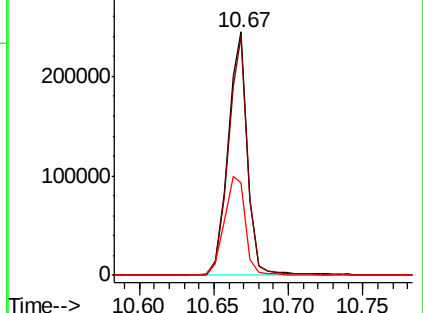
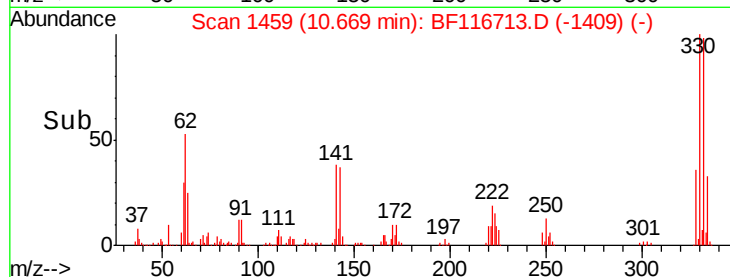
141 44.6 31.4 47.2



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: 84.780 ng

RT: 9.20 min Scan# 1210

Delta R.T. -0.01 min

Lab File: BF116713.D

Acq: 31 Aug 2019 23:31

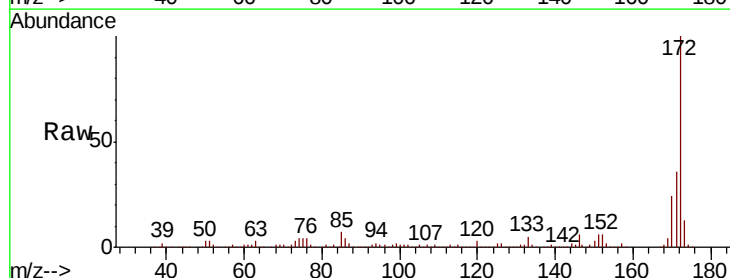
Tgt Ion:172 Resp: 1211506

Ion Ratio Lower Upper

172 100

171 36.3 27.8 41.6

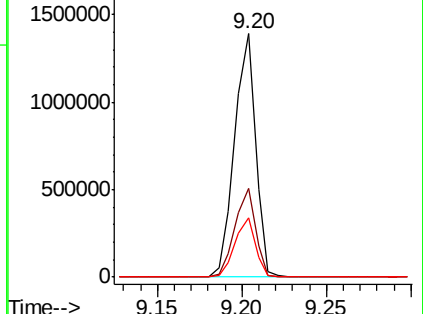
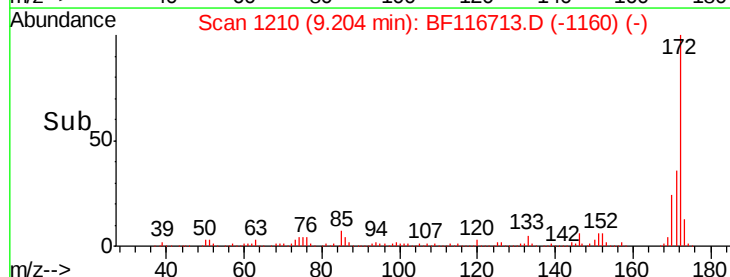
170 24.4 18.9 28.3

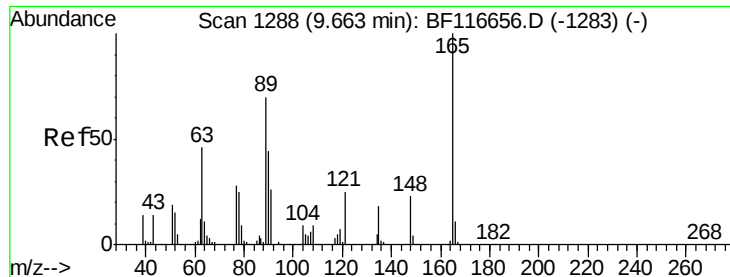


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 10.034 ng

RT: 9.88 min Scan# 1325

Delta R.T. 0.22 min

Lab File: BF116713.D

Acq: 31 Aug 2019 23:31

Instrument :

BNA_F

ClientSampleId :

T3-S-G

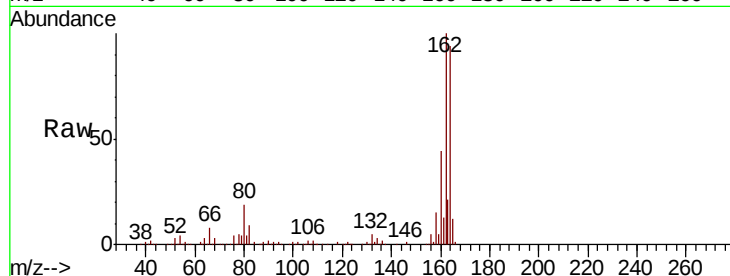
Tot Ion:165 Resp: 31861

Ion Ratio Lower Upper

165 100

63 1.1 47.3 70.9#

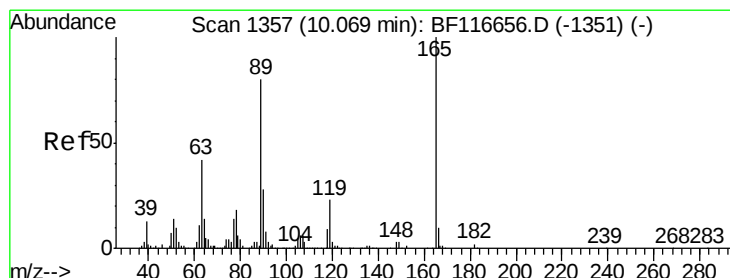
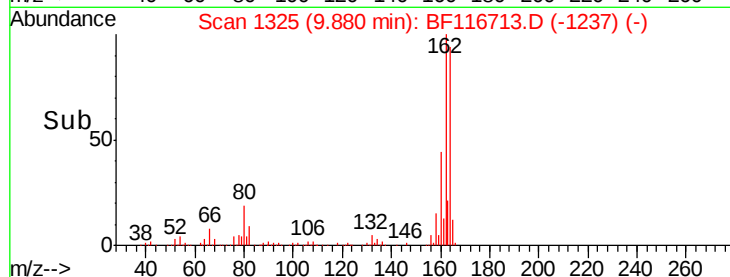
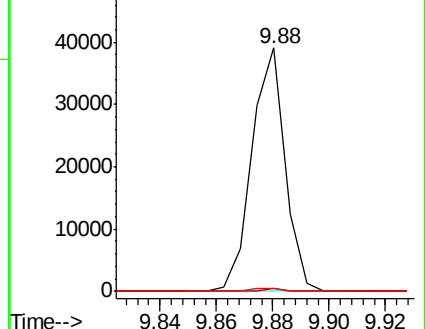
89 1.3 52.5 78.7#



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: 8.206 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.19 min

Lab File: BF116713.D

Acq: 31 Aug 2019 23:31

Tgt Ion:165 Resp: 31861

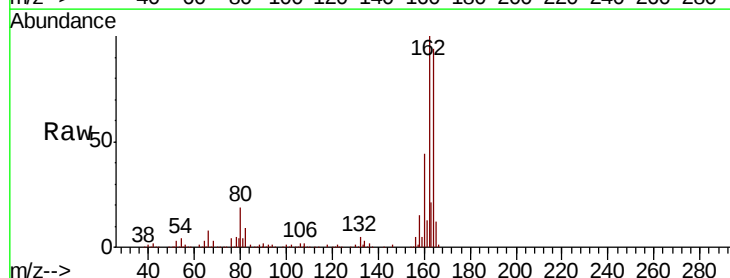
Ion Ratio Lower Upper

165 100

63 1.1 36.4 54.6#

89 1.3 62.6 94.0#

182 0.0 2.1 3.1#

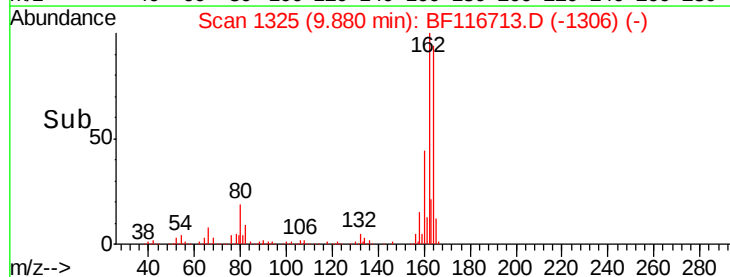
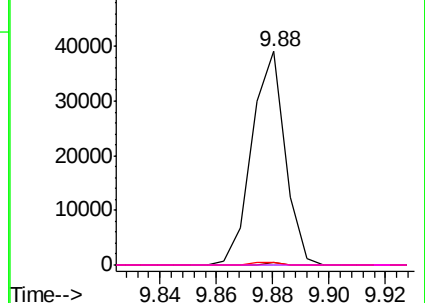


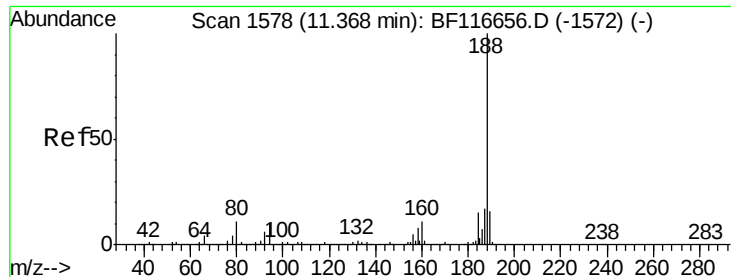
Abundance Ion 165.00 (164.70 to 165.70): E

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): BF1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF116713.D

Acq: 31 Aug 2019 23:31

Instrument :

BNA_F

ClientSampled :

T3-S-G

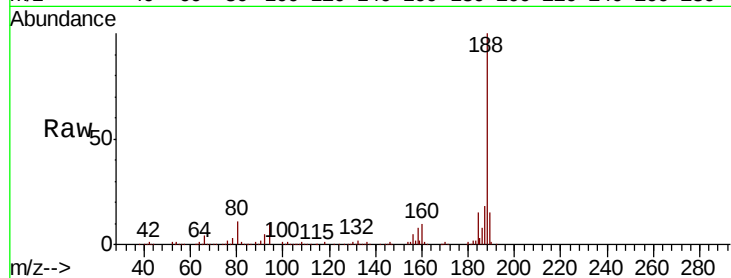
Tot Ion:188 Resp: 391982

Ion Ratio Lower Upper

188 100

94 10.1 7.3 10.9

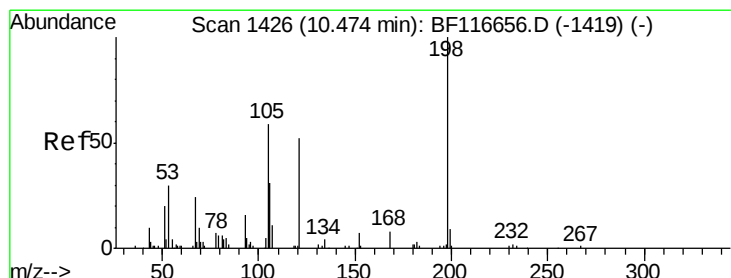
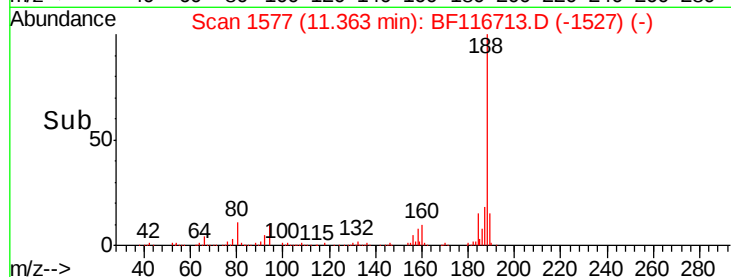
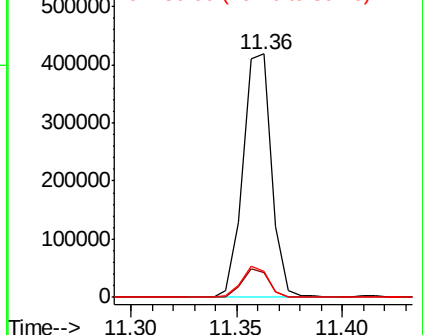
80 10.9 8.4 12.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#65

4,6-Dinitro-2-methylphenol

Concen: 7.699 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.19 min

Lab File: BF116713.D

Acq: 31 Aug 2019 23:31

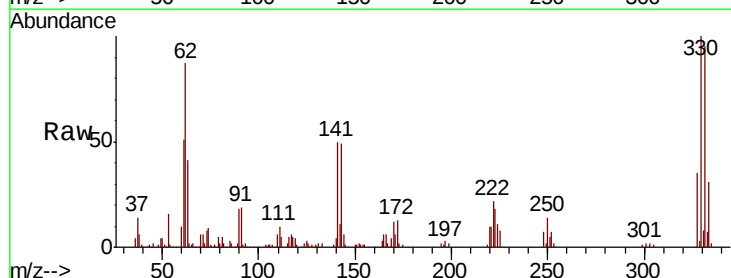
Tgt Ion:198 Resp: 423

Ion Ratio Lower Upper

198 100

51 202.9 18.4 58.4#

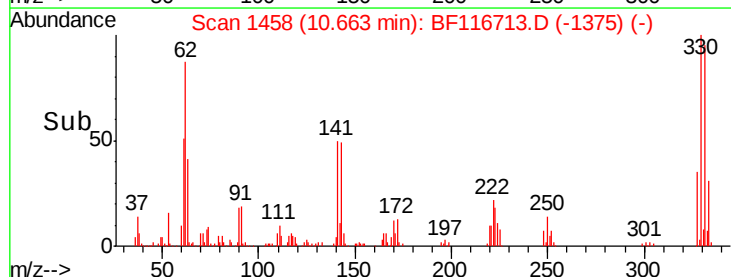
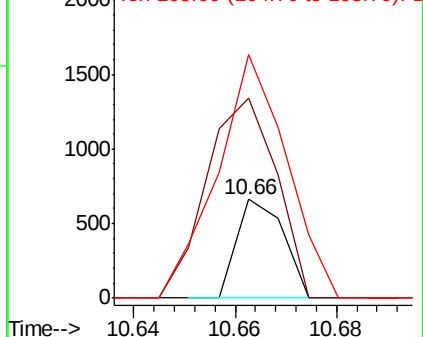
105 246.7 22.9 62.9#

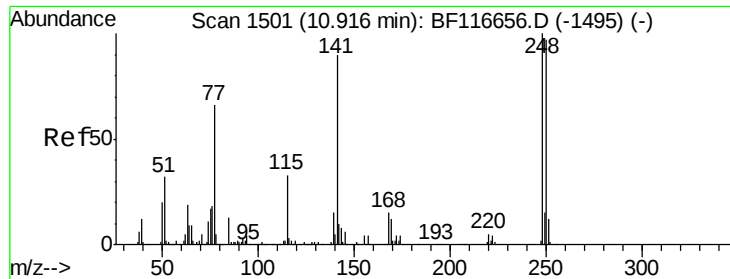


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

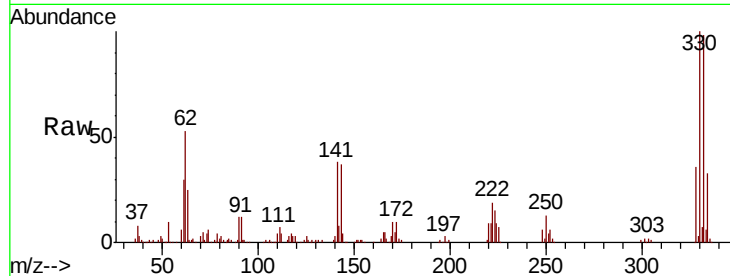




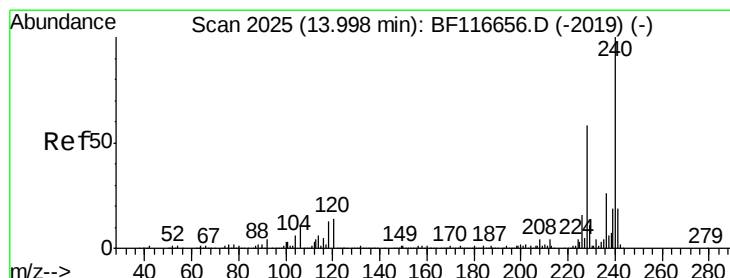
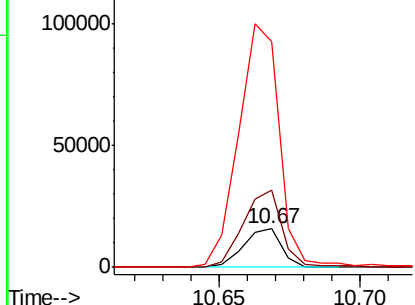
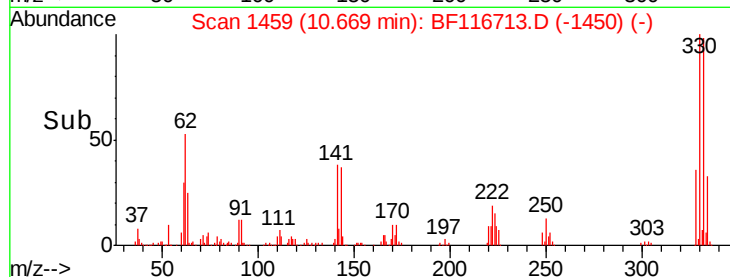
#67
4-Bromophenyl-phenylether
Concen: 3.778 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.25 min
Lab File: BF116713.D
Acq: 31 Aug 2019 23:31

Instrument :
BNA_F
ClientSampleId :
T3-S-G

Tot Ion:248 Resp: 15045
Ion Ratio Lower Upper
248 100
250 199.3 77.8 116.8#
141 587.4 75.9 113.9#

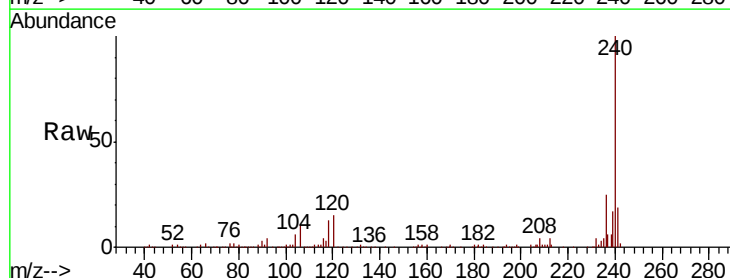


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

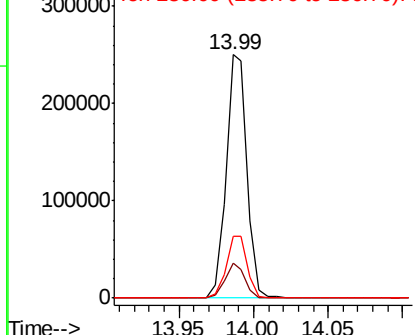
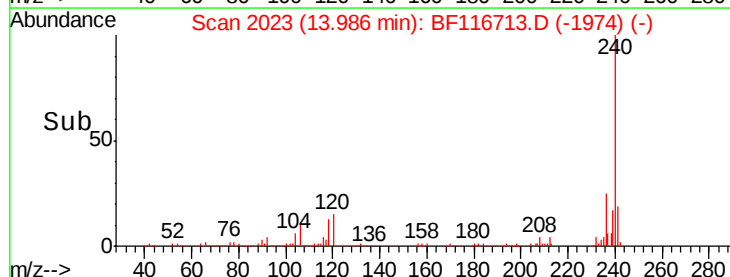


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF116713.D
Acq: 31 Aug 2019 23:31

Tgt Ion:240 Resp: 247142
Ion Ratio Lower Upper
240 100
120 14.6 9.1 13.7#
236 25.3 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



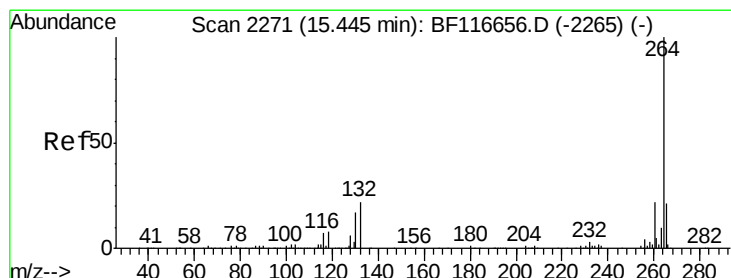
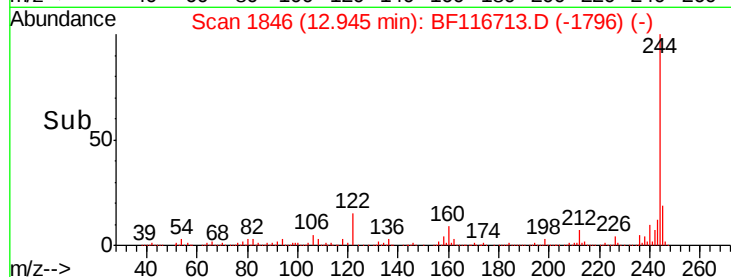
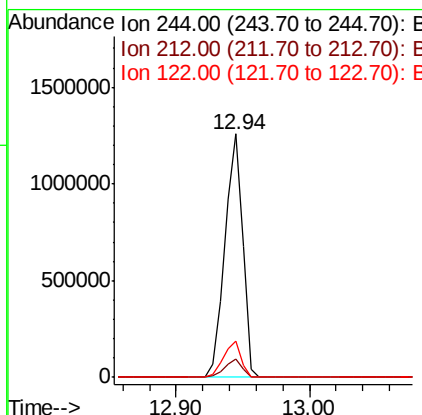
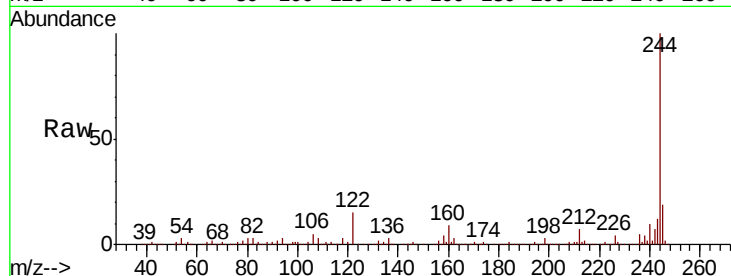


#79
 Terphenyl-d14
 Concen: 89.365 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF116713.D
 Acq: 31 Aug 2019 23:31

Instrument :
 BNA_F
 ClientSampleId :
 T3-S-G

Tot Ion:244 Resp: 1193867

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.1	9.1
122	15.0	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: BF116713.D
 Acq: 31 Aug 2019 23:31

Tgt Ion:264 Resp: 270593

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.3	27.5
265	21.2	16.5	24.7

