

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
 Data File : BF116964.D
 Acq On : 11 Sep 2019 23:21
 Operator : HP/JU
 Sample : K4819-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 12 07:07:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 10 17:49:40 2019
 Response via : Initial Calibration

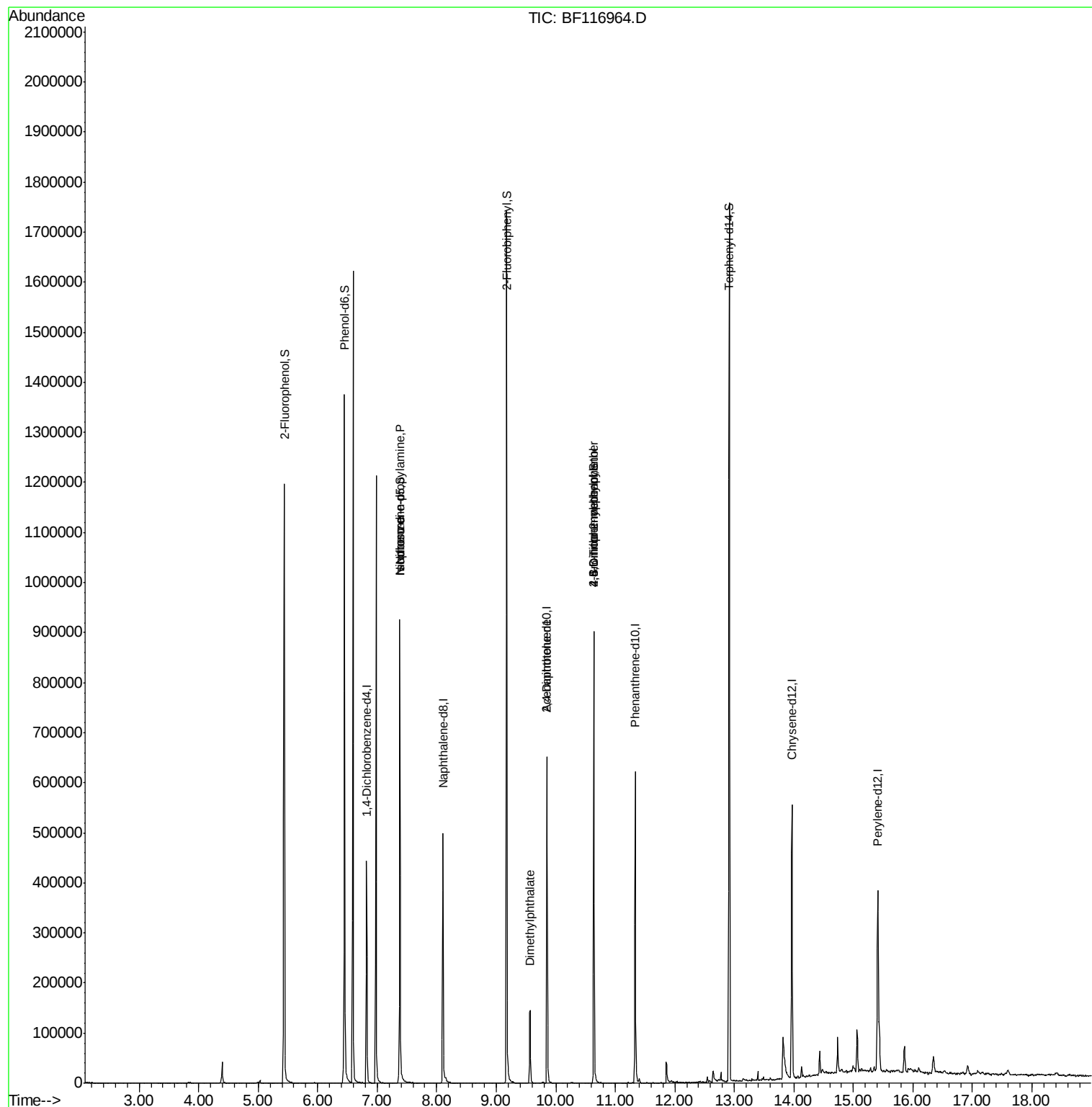
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	62316	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	257815	20.00	ng	-0.02
39) Acenaphthene-d10	9.85	164	133428	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	231026	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	170766	20.00	ng	-0.02
87) Perylene-d12	15.41	264	167116	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	368941	95.92	ng	-0.01
7) Phenol-d6	6.45	99	503073	99.60	ng	-0.02
23) Nitrobenzene-d5	7.38	82	312828	69.27	ng	-0.02
42) 2,4,6-Tribromophenol	10.64	330	100586	112.77	ng	-0.02
45) 2-Fluorobiphenyl	9.17	172	517759	65.46	ng	-0.02
79) Terphenyl-d14	12.92	244	521402	56.48	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.38	70	40119	12.063	ng	# 73
25) Isophorone	7.38	82	312826	34.184	ng	# 66
50) Dimethylphthalate	9.57	163	68869	7.476	ng	# 99
57) 2,4-Dinitrotoluene	9.85	165	17363	8.079	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.64	198	142	7.592	ng	# 1
67) 4-Bromophenyl-phenylether	10.64	248	6872	2.928	ng	# 1

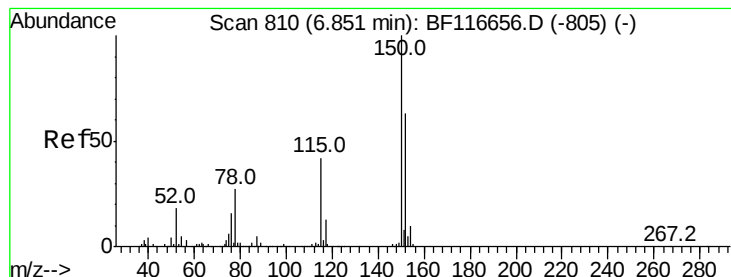
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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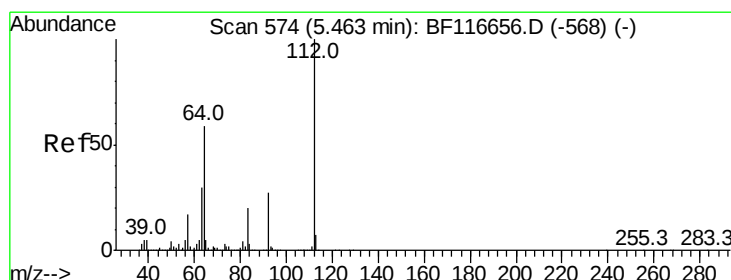
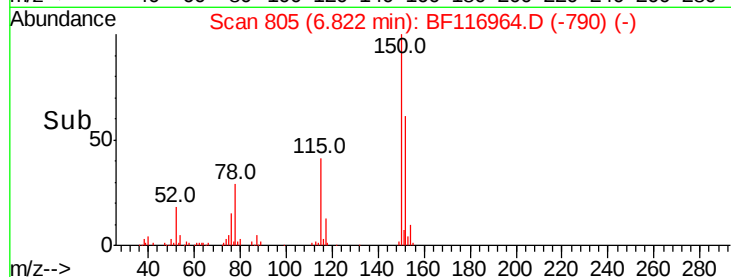
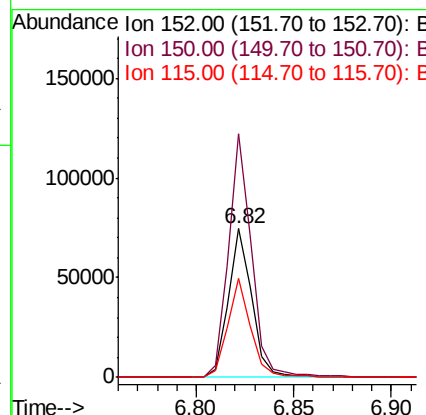
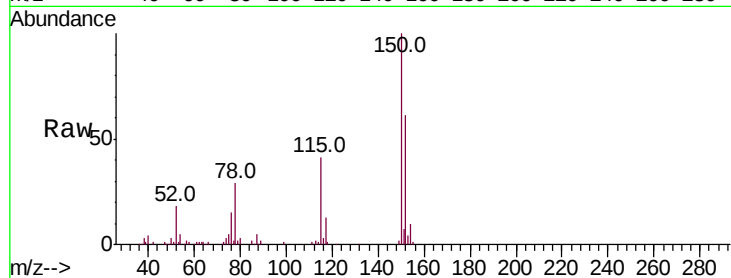


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF116964.D
Acq: 11 Sep 2019 23:21

Instrument :
BNA_F
ClientSampleId :

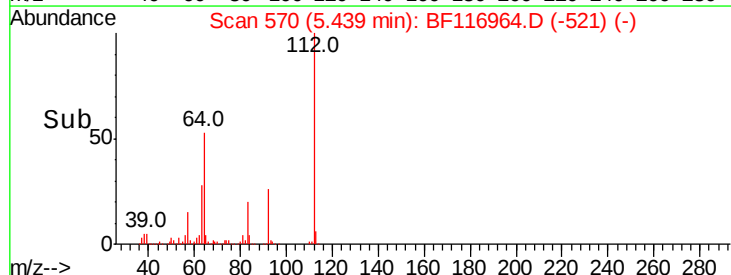
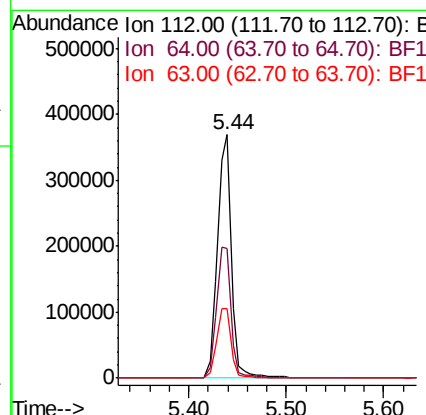
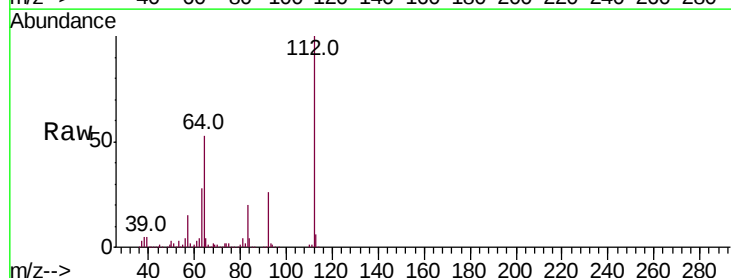
Tot Ion	Ratio	Lower	Upper
152	100		
150	164.0	124.4	186.6
115	66.4	49.9	74.9

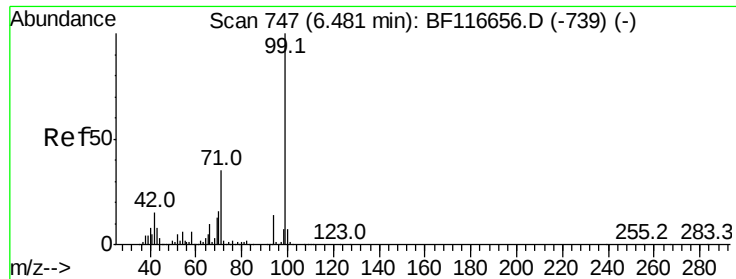


#5

2-Fluorophenol
Concen: 95.915 ng
RT: 5.44 min Scan# 570
Delta R.T. -0.01 min
Lab File: BF116964.D
Acq: 11 Sep 2019 23:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.3	47.1	70.7
63	28.5	24.9	37.3





#7

Phenol-d6

Concen: 99.600 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.02 min

Lab File: BF116964.D

Acq: 11 Sep 2019 23:21

Instrument :

BNA_F

ClientSampleId :

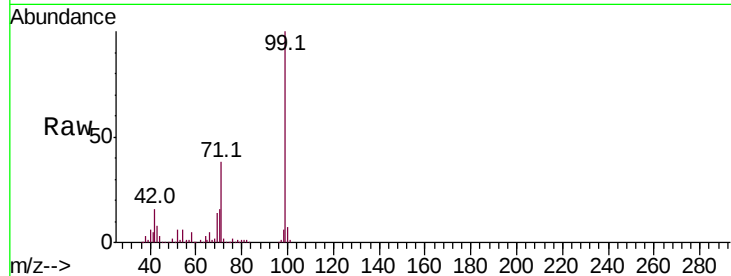
Tot Ion: 99 Resp: 503073

Ion Ratio Lower Upper

99 100

42 15.6 13.7 20.5

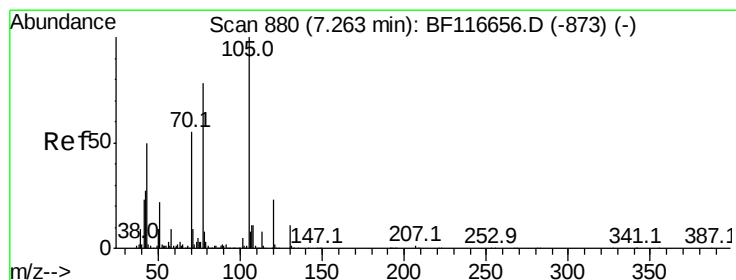
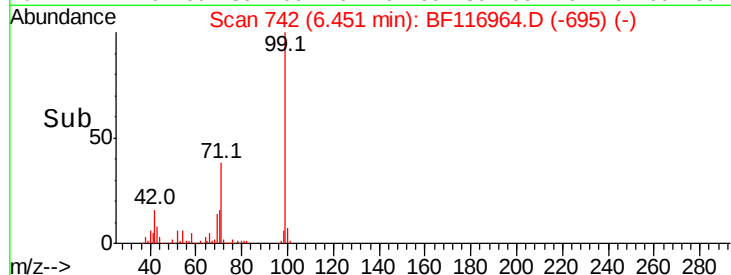
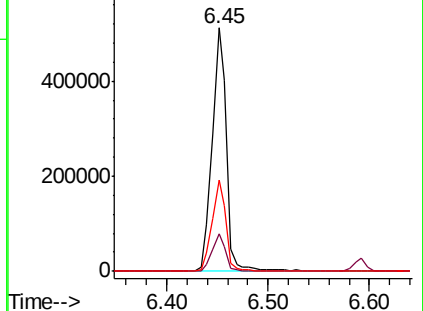
71 37.7 30.8 46.2



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: 12.063 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.13 min

Lab File: BF116964.D

Acq: 11 Sep 2019 23:21

Tgt Ion: 70 Resp: 40119

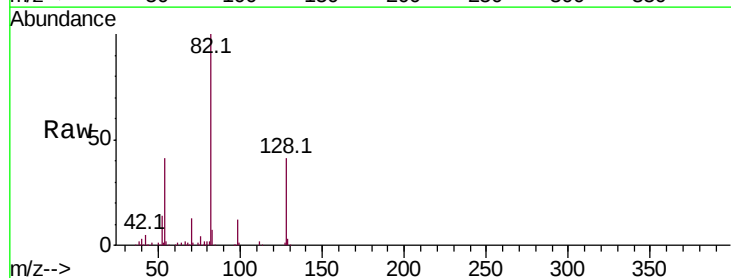
Ion Ratio Lower Upper

70 100

42 38.5 43.5 65.3#

101 0.0 7.8 11.6#

130 2.6 16.6 24.8#

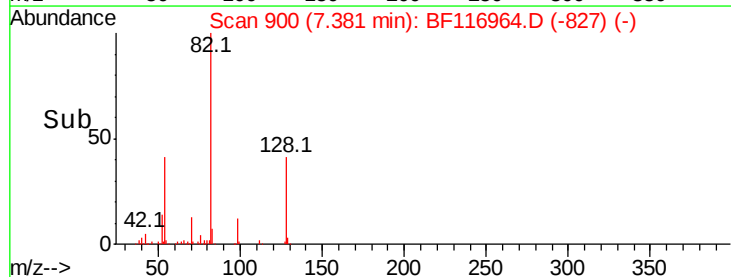
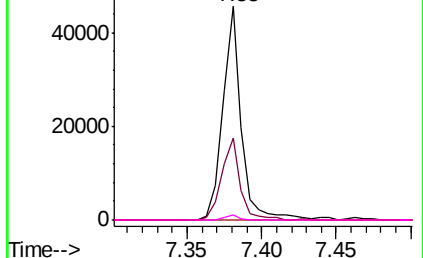


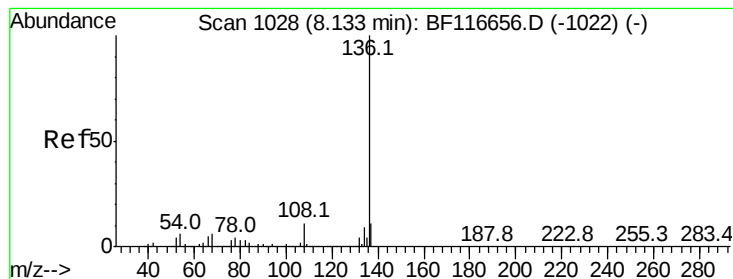
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.10 min Scan# 1023

Delta R.T. -0.02 min

Lab File: BF116964.D

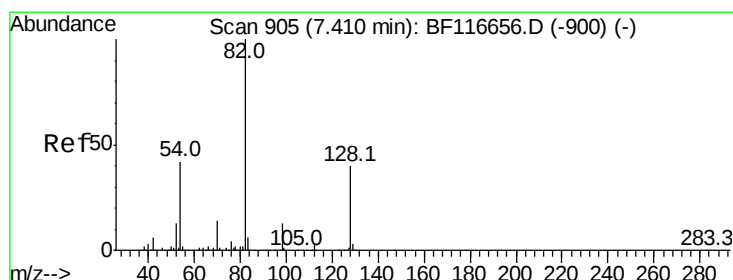
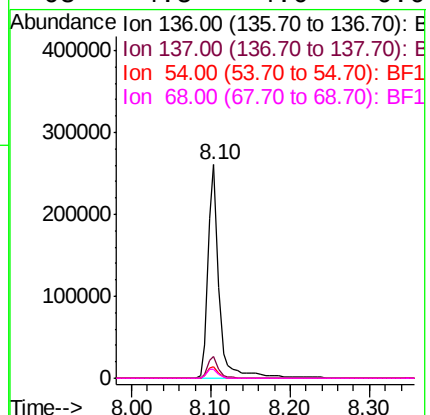
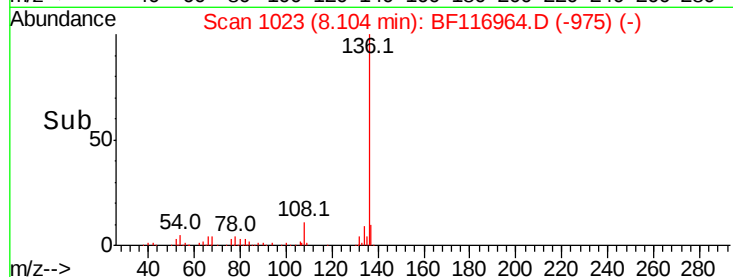
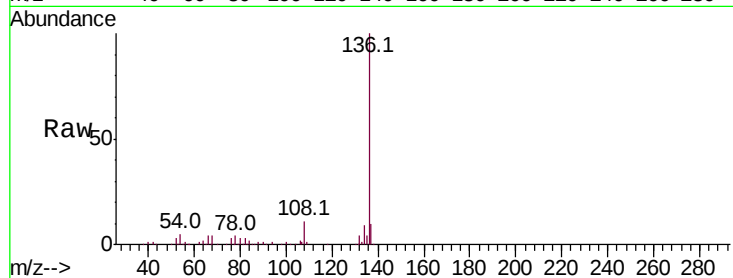
Acq: 11 Sep 2019 23:21

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136	Resp:	257815
Ion Ratio	Lower	Upper
136 100		
137 10.5	8.9	13.3
54 5.4	4.8	7.2
68 4.5	4.0	6.0



#23

Nitrobenzene-d5

Concen: 69.269 ng

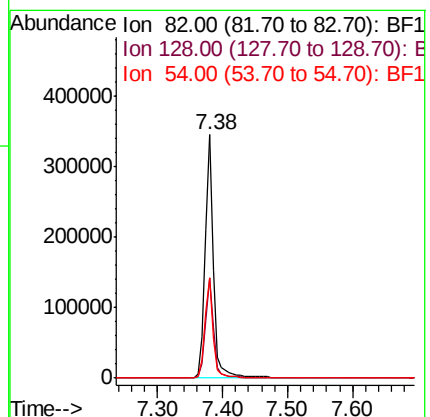
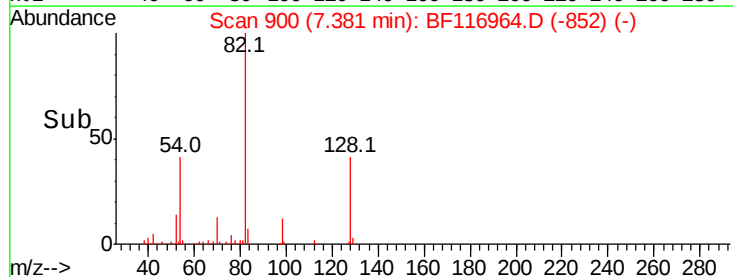
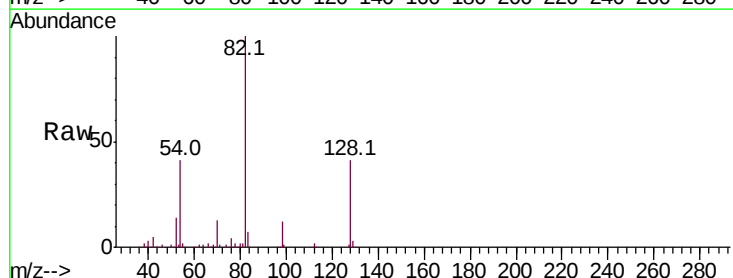
RT: 7.38 min Scan# 900

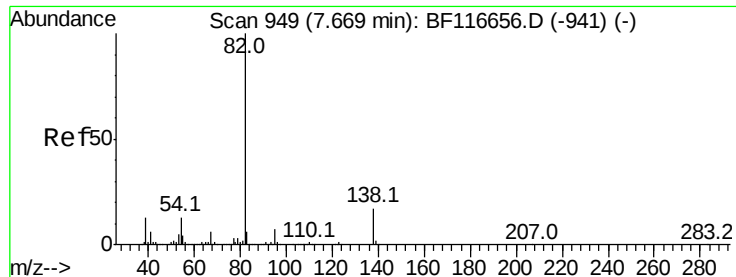
Delta R.T. -0.02 min

Lab File: BF116964.D

Acq: 11 Sep 2019 23:21

Tgt Ion: 82	Resp:	312828
Ion Ratio	Lower	Upper
82 100		
128 41.0	32.8	49.2
54 40.9	36.9	55.3





#25

Isophorone

Concen: 34.184 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.28 min

Lab File: BF116964.D

Acq: 11 Sep 2019 23:21

Instrument :

BNA_F

ClientSampleId :

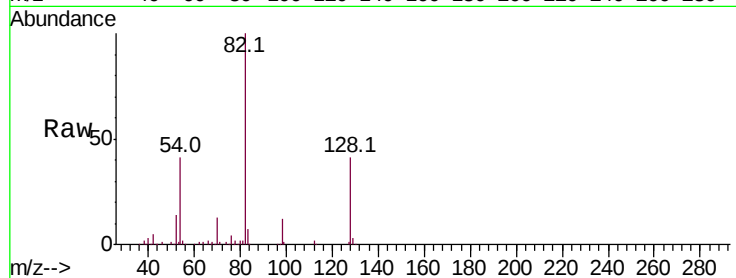
Tot Ion: 82 Resp: 312826

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

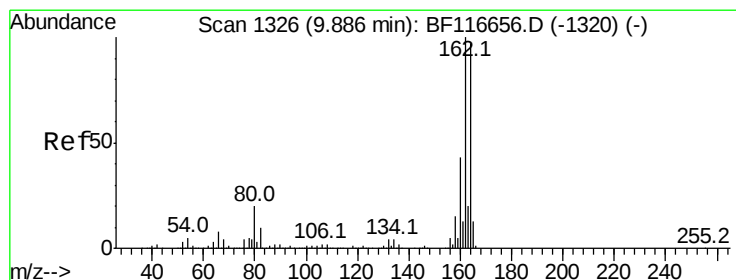
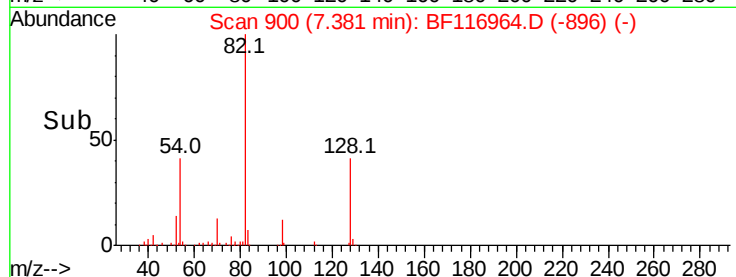
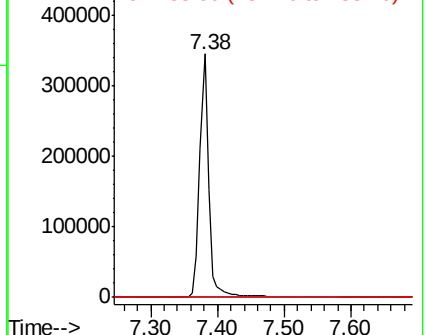
138 0.0 13.5 20.3#



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: 9.85 min Scan# 1320

Delta R.T. -0.02 min

Lab File: BF116964.D

Acq: 11 Sep 2019 23:21

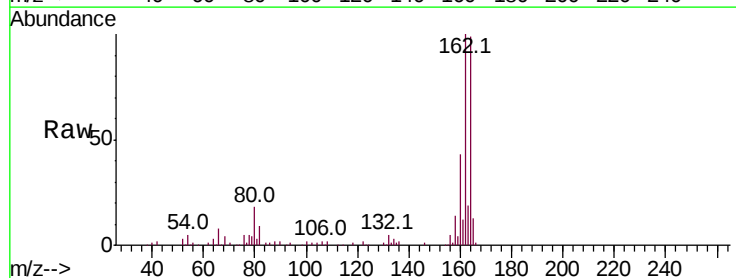
Tgt Ion: 164 Resp: 133428

Ion Ratio Lower Upper

164 100

162 100.9 81.4 122.0

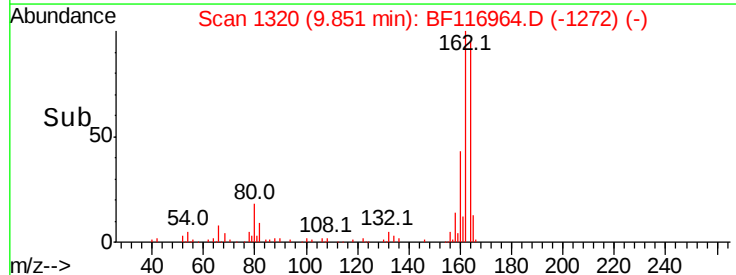
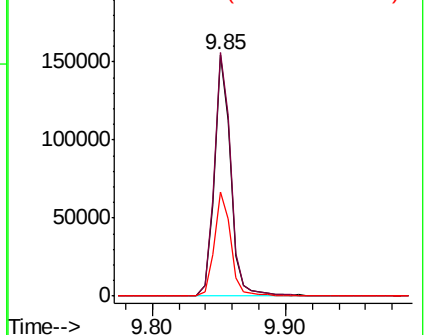
160 43.2 35.4 53.2

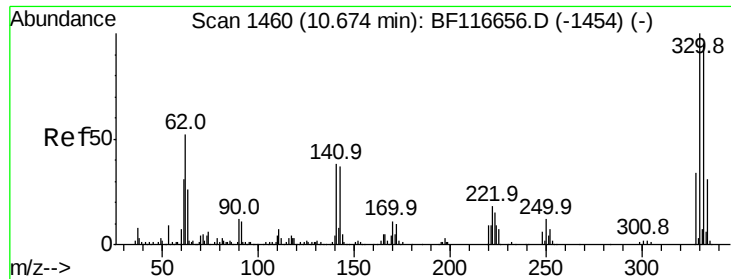


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 112.765 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.02 min

Lab File: BF116964.D

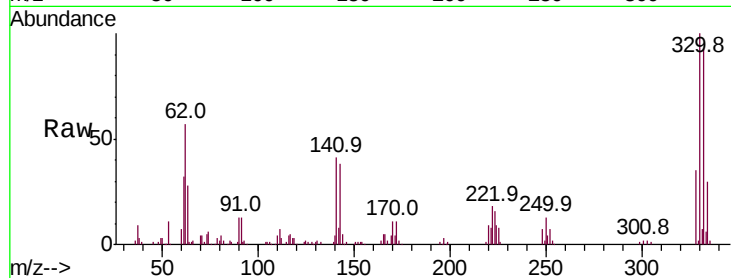
Acq: 11 Sep 2019 23:21

Instrument :

BNA_F

ClientSampled :

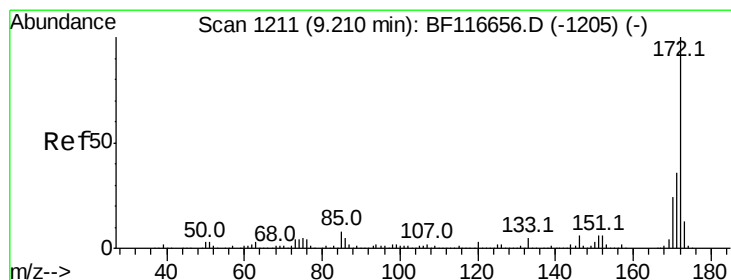
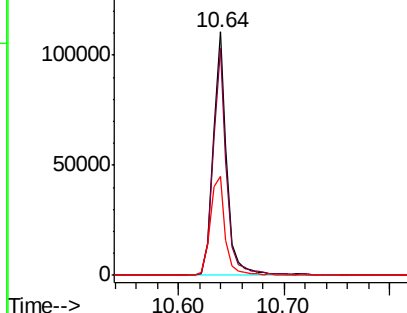
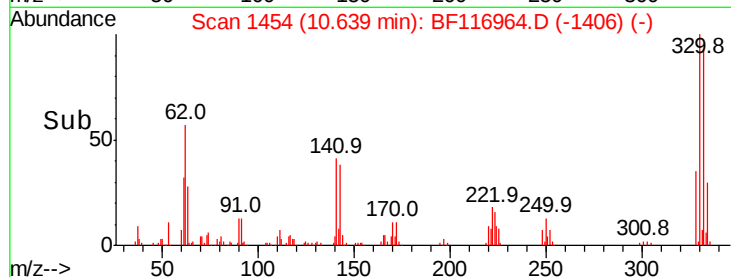
Tot Ion:	330	Resp:	100586
Ion	Ratio	Lower	Upper
330	100		
332	92.7	76.9	115.3
141	44.7	31.4	47.2



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: 65.459 ng

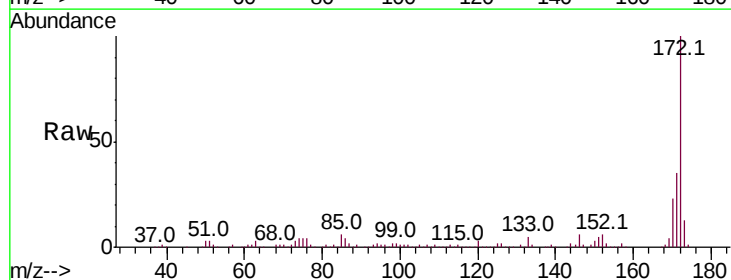
RT: 9.17 min Scan# 1205

Delta R.T. -0.02 min

Lab File: BF116964.D

Acq: 11 Sep 2019 23:21

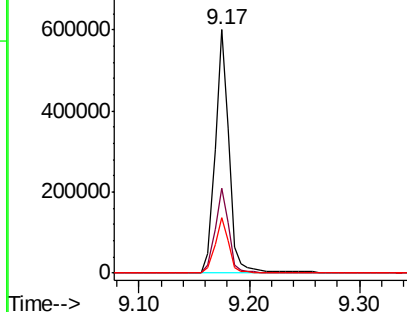
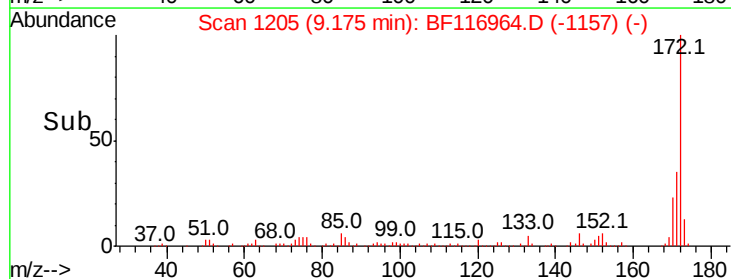
Tgt Ion:	172	Resp:	517759
Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.8	41.6
170	23.0	18.9	28.3

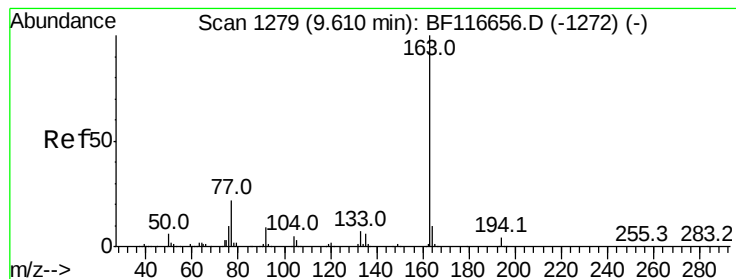


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 7.476 ng

RT: 9.57 min Scan# 1272

Delta R.T. -0.02 min

Lab File: BF116964.D

Acq: 11 Sep 2019 23:21

Instrument :

BNA_F

ClientSampleId :

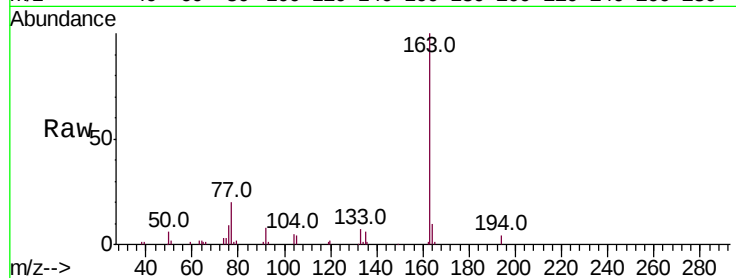
Tot Ion:163 Resp: 68869

Ion Ratio Lower Upper

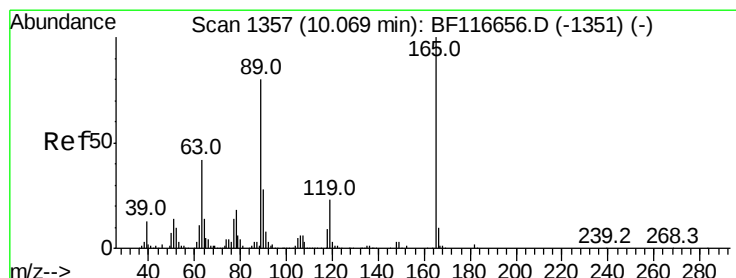
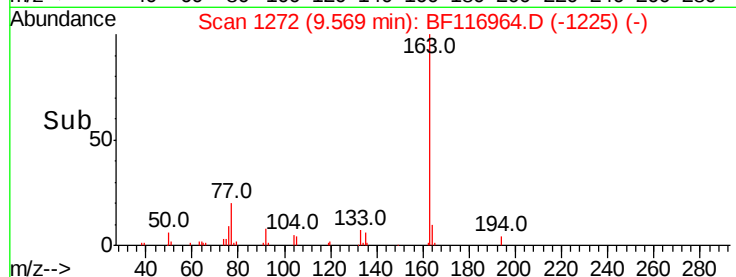
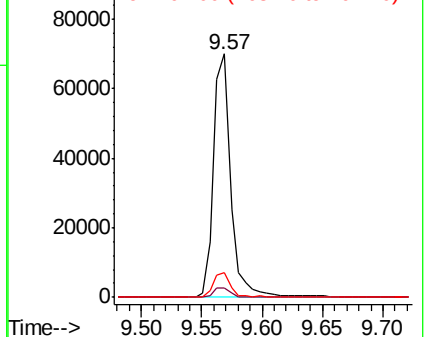
163 100

194 3.7 2.8 4.2

164 10.3 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



#57

2,4-Dinitrotoluene

Concen: 8.079 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.21 min

Lab File: BF116964.D

Acq: 11 Sep 2019 23:21

Tgt Ion:165 Resp: 17363

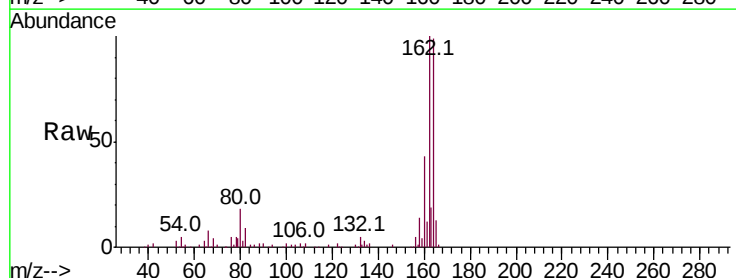
Ion Ratio Lower Upper

165 100

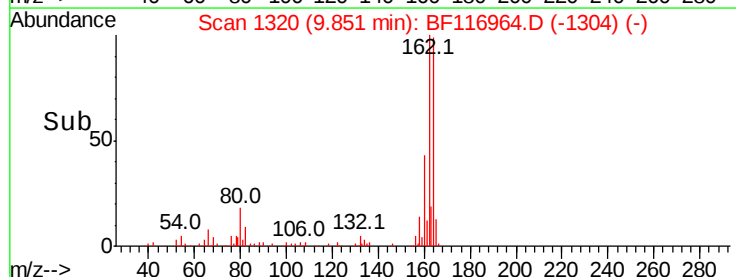
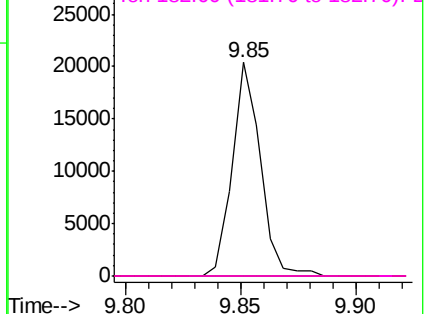
63 0.0 36.4 54.6#

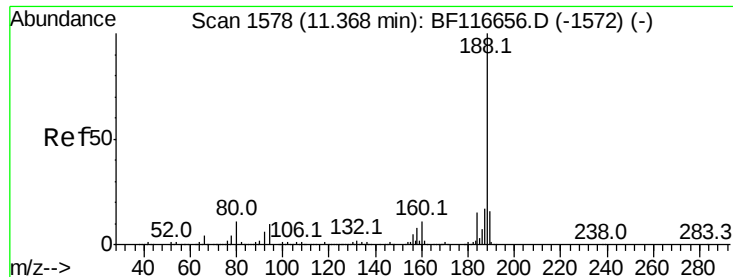
89 0.0 62.6 94.0#

182 0.0 2.1 3.1#



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: 11.33 min Scan# 1572

Delta R.T. -0.02 min

Lab File: BF116964.D

Acq: 11 Sep 2019 23:21

Instrument :

BNA_F

ClientSampleId :

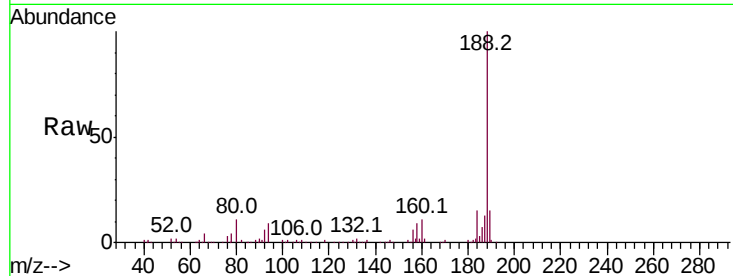
Tot Ion:188 Resp: 231026

Ion Ratio Lower Upper

188 100

94 9.5 7.3 10.9

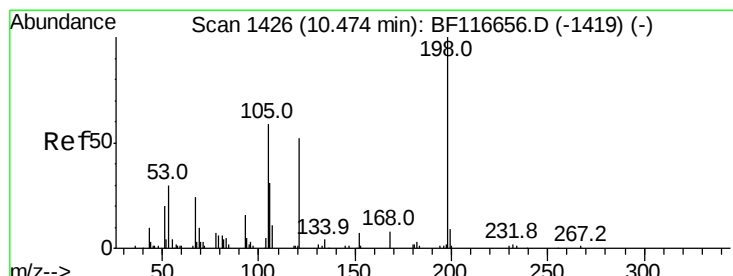
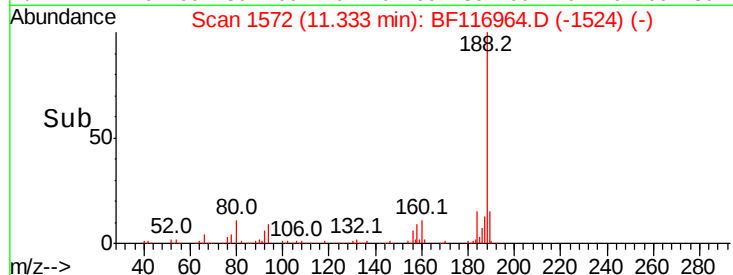
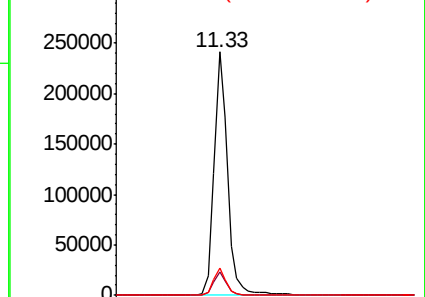
80 11.2 8.4 12.6



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: 7.592 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.17 min

Lab File: BF116964.D

Acq: 11 Sep 2019 23:21

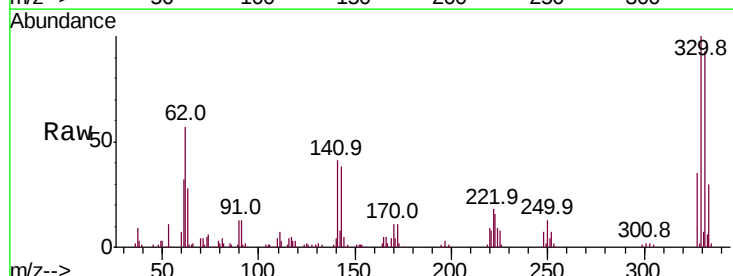
Tgt Ion:198 Resp: 142

Ion Ratio Lower Upper

198 100

51 108.5 18.4 58.4#

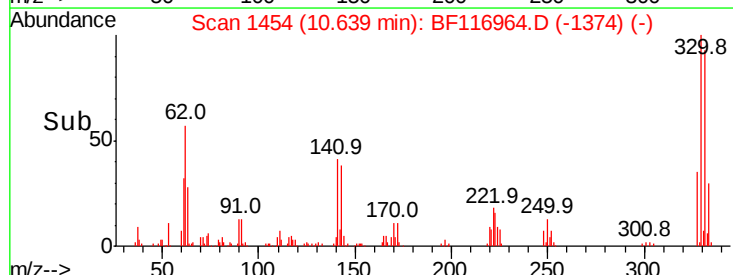
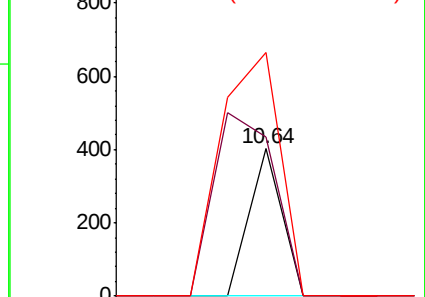
105 165.4 22.9 62.9#

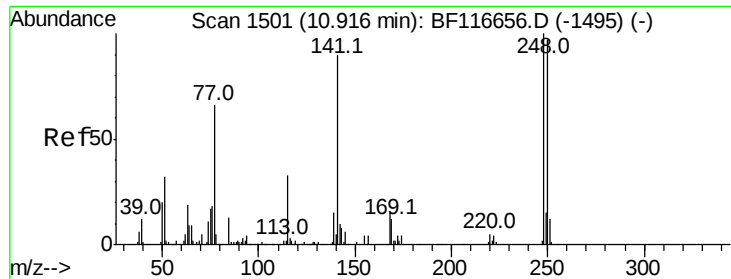


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#67

4-Bromophenyl-phenylether

Concen: 2.928 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.26 min

Lab File: BF116964.D

Acq: 11 Sep 2019 23:21

Instrument :

BNA_F

ClientSampleId :

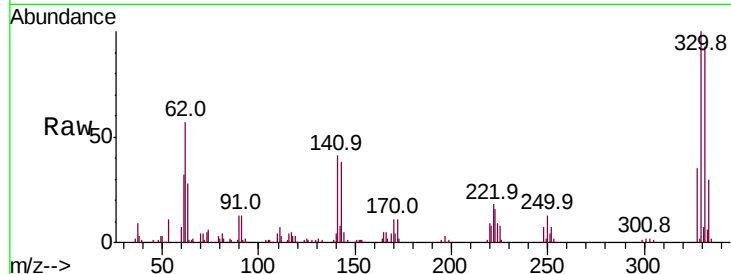
Tot Ion:248 Resp: 6872

Ion Ratio Lower Upper

248 100

250 176.3 77.8 116.8#

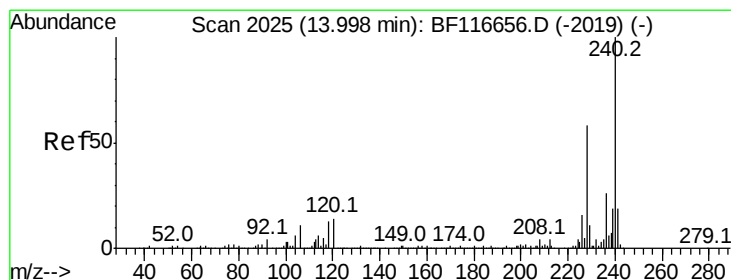
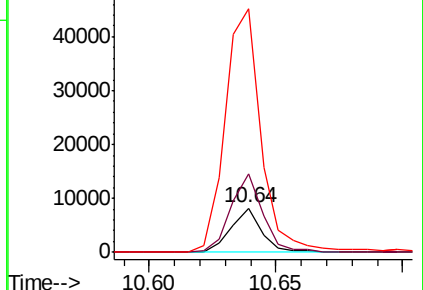
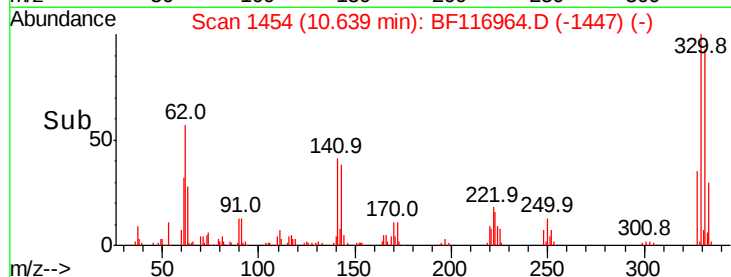
141 546.4 75.9 113.9#



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: 13.97 min Scan# 2020

Delta R.T. -0.02 min

Lab File: BF116964.D

Acq: 11 Sep 2019 23:21

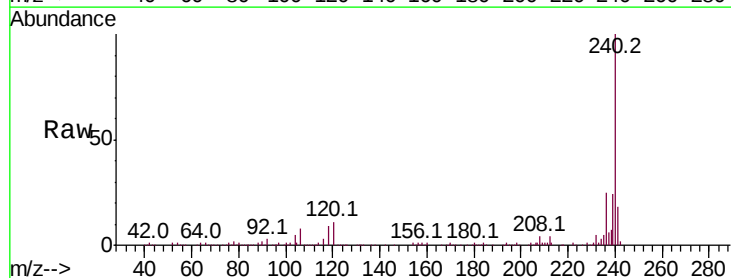
Tgt Ion:240 Resp: 170766

Ion Ratio Lower Upper

240 100

120 10.8 9.1 13.7

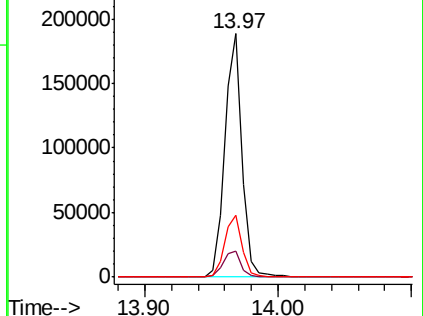
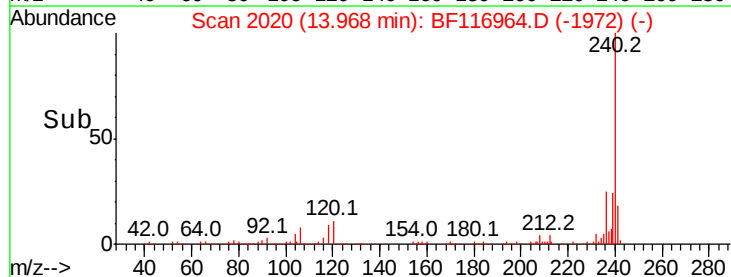
236 25.3 21.1 31.7

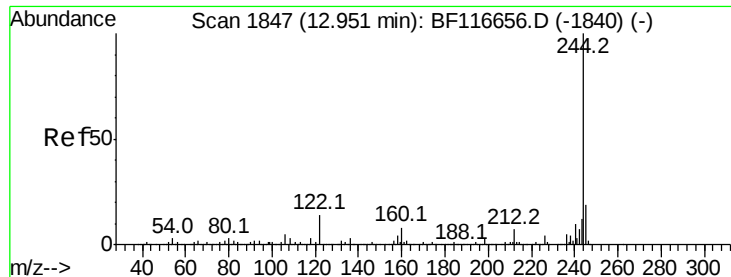


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 56.485 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.02 min

Lab File: BF116964.D

Acq: 11 Sep 2019 23:21

Instrument :

BNA_F

ClientSampled :

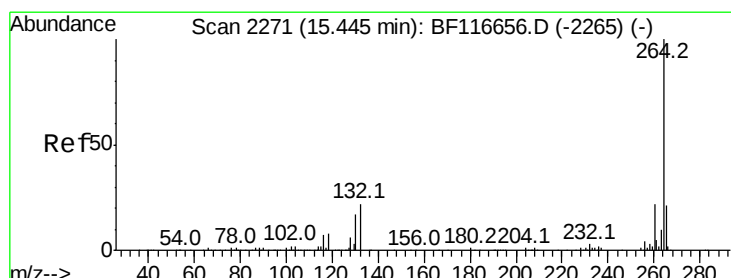
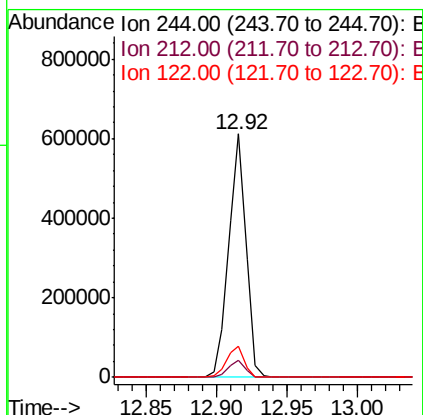
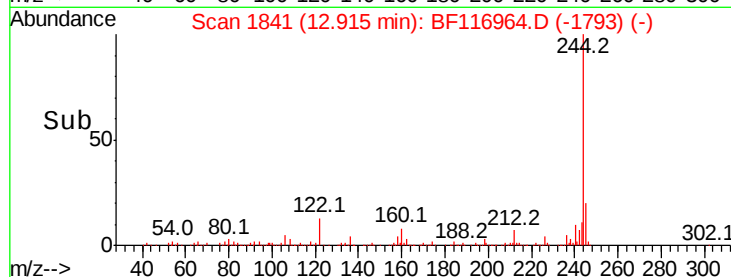
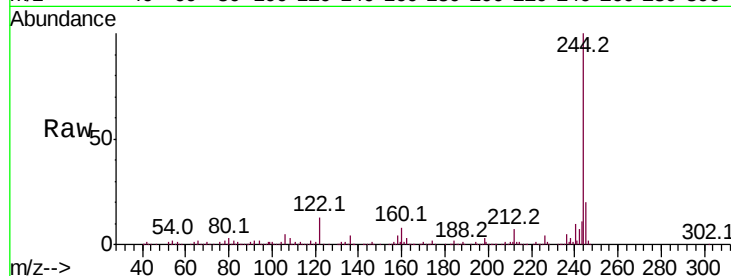
Tot Ion:244 Resp: 521402

Ion Ratio Lower Upper

244 100

212 7.2 6.1 9.1

122 12.7 10.2 15.4



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.41 min Scan# 2265

Delta R.T. -0.02 min

Lab File: BF116964.D

Acq: 11 Sep 2019 23:21

Tgt Ion:264 Resp: 167116

Ion Ratio Lower Upper

264 100

260 23.0 18.3 27.5

265 20.9 16.5 24.7

