

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
 Data File : BF116976.D
 Acq On : 12 Sep 2019 5:34
 Operator : HP/JU
 Sample : K3631-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 12 07:09:59 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

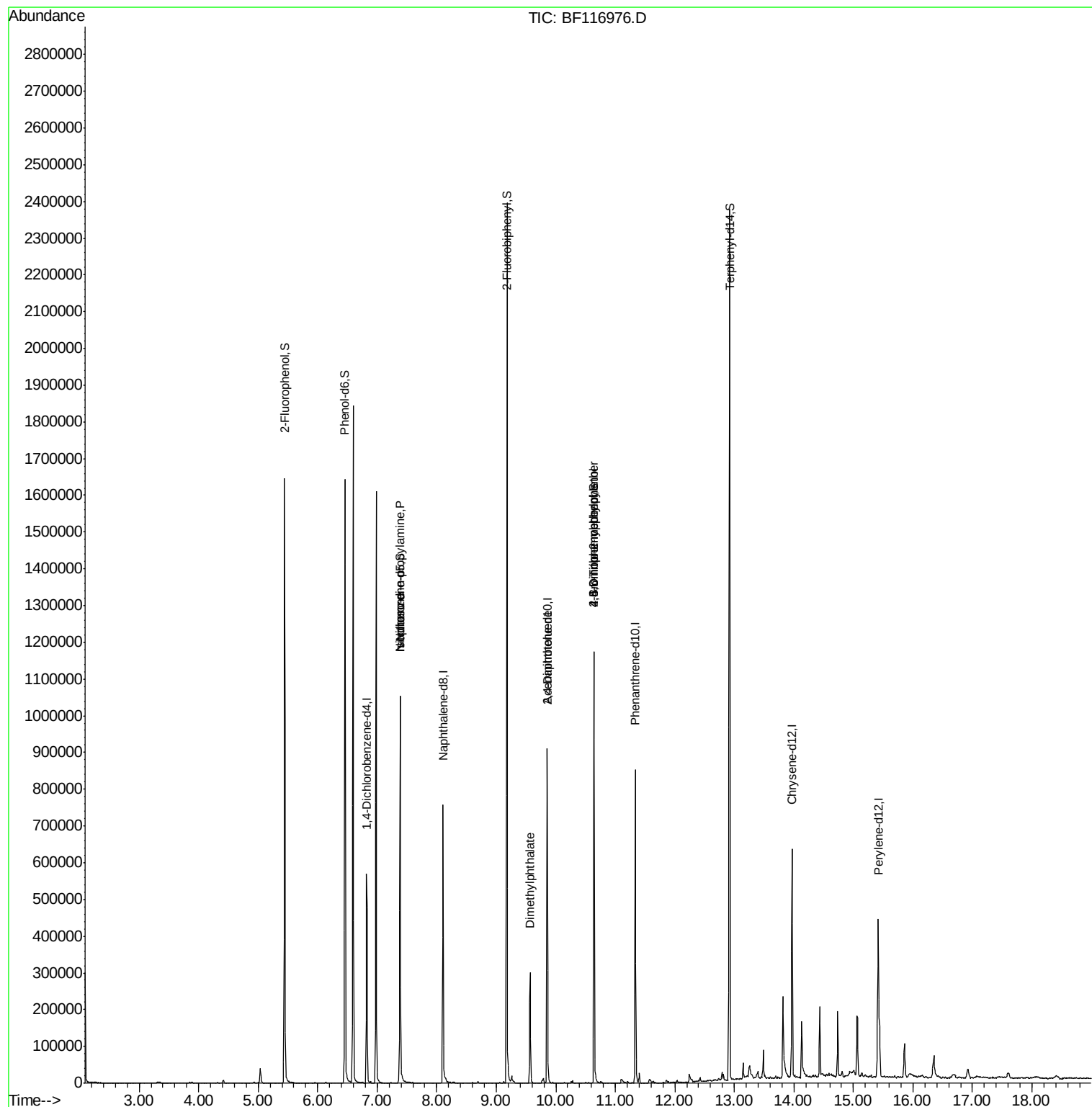
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	83801	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	353667	20.00	ng	-0.02
39) Acenaphthene-d10	9.86	164	190428	20.00	ng	-0.01
64) Phenanthrene-d10	11.34	188	322672	20.00	ng	-0.01
76) Chrysene-d12	13.97	240	192867	20.00	ng	-0.02
87) Perylene-d12	15.42	264	192059	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	462719	89.45	ng	0.00
7) Phenol-d6	6.46	99	649824	95.67	ng	-0.02
23) Nitrobenzene-d5	7.39	82	407026	65.70	ng	-0.01
42) 2,4,6-Tribromophenol	10.64	330	131795	103.53	ng	-0.01
45) 2-Fluorobiphenyl	9.18	172	765880	67.84	ng	-0.01
79) Terphenyl-d14	12.92	244	763654	73.25	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.39	70	54631	12.215	ng	# 71
25) Isophorone	7.39	82	407020	32.423	ng	# 66
50) Dimethylphthalate	9.57	163	122353	9.306	ng	97
57) 2,4-Dinitrotoluene	9.86	165	24253	7.907	ng	# 20
65) 4,6-Dinitro-2-methylphenol	10.64	198	162	7.566	ng	# 1
67) 4-Bromophenyl-phenylether	10.64	248	9170	2.798	ng	# 1

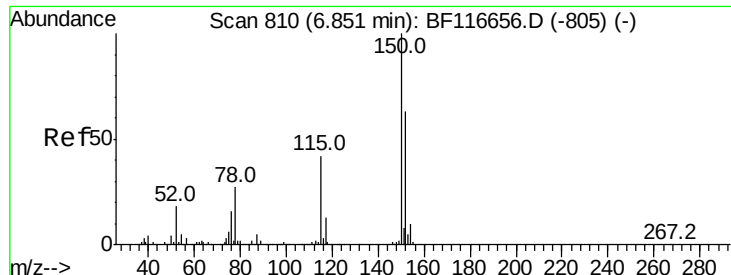
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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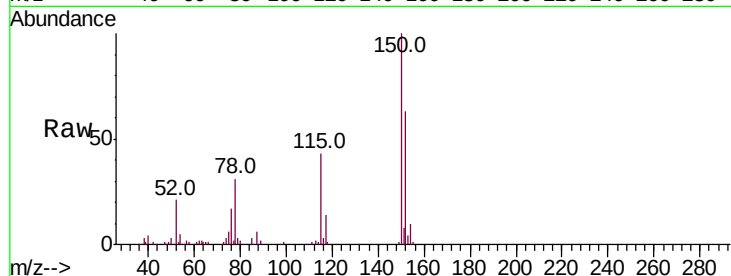


#1

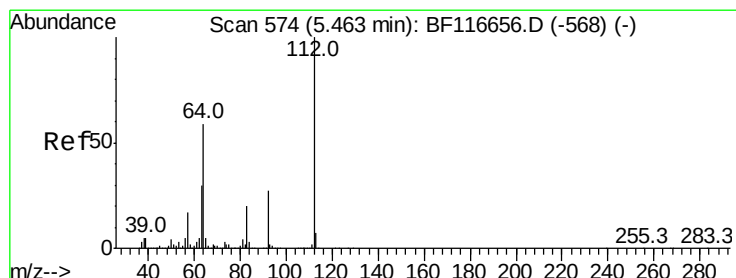
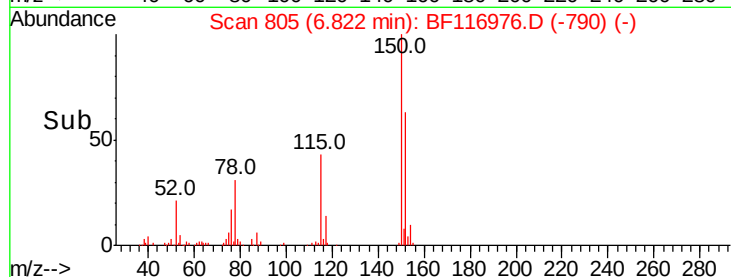
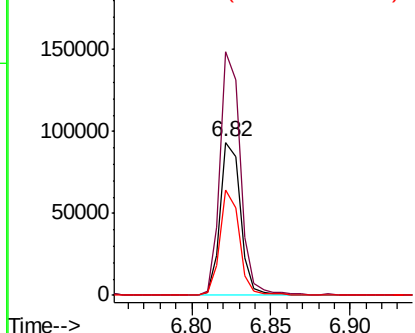
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF116976.D
Acq: 12 Sep 2019 5:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	124.4	186.6
115	68.6	49.9	74.9



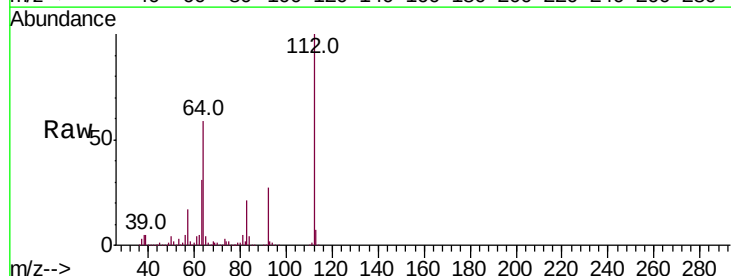
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



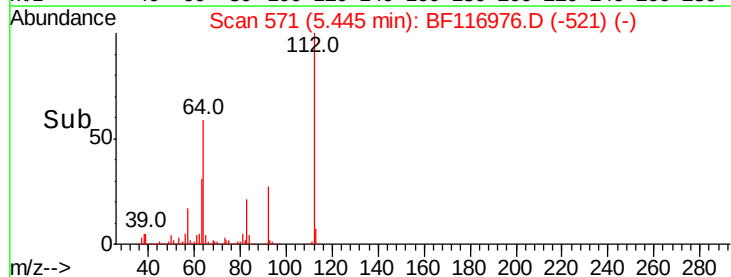
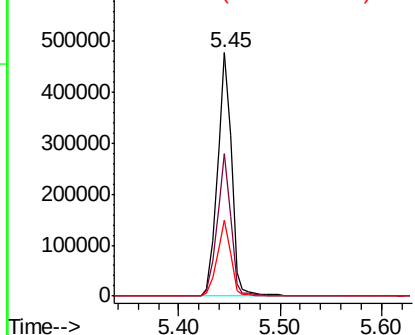
#5

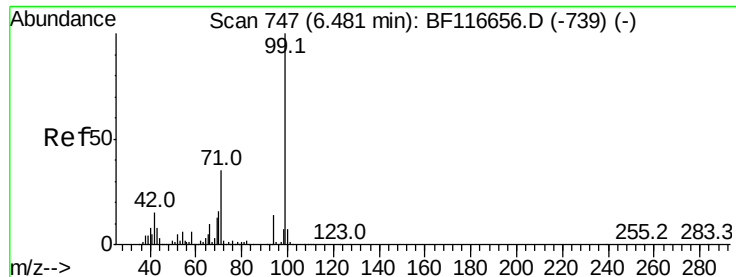
2-Fluorophenol
Concen: 89.454 ng
RT: 5.45 min Scan# 571
Delta R.T. -0.01 min
Lab File: BF116976.D
Acq: 12 Sep 2019 5:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.5	47.1	70.7
63	31.1	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: 95.670 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.02 min

Lab File: BF116976.D

Acq: 12 Sep 2019 5:34

Instrument :

BNA_F

ClientSampleId :

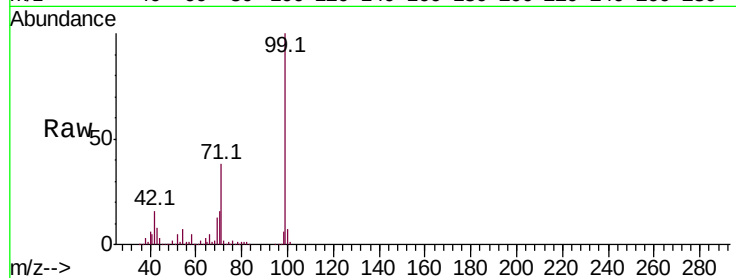
Tot Ion: 99 Resp: 649824

Ion Ratio Lower Upper

99 100

42 15.7 13.7 20.5

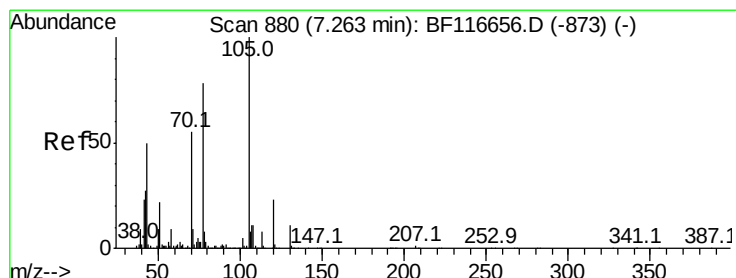
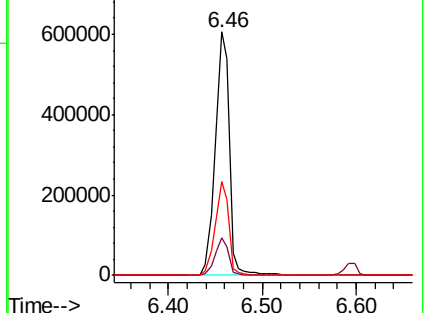
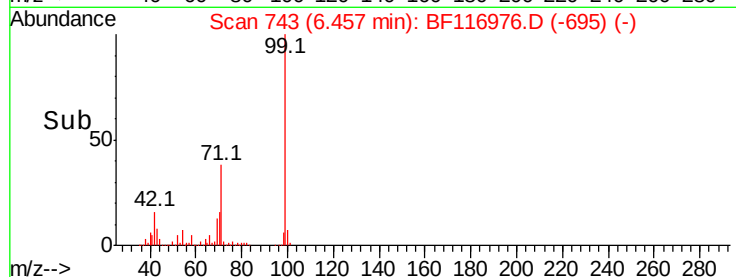
71 38.4 30.8 46.2



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: 12.215 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.14 min

Lab File: BF116976.D

Acq: 12 Sep 2019 5:34

Tgt Ion: 70 Resp: 54631

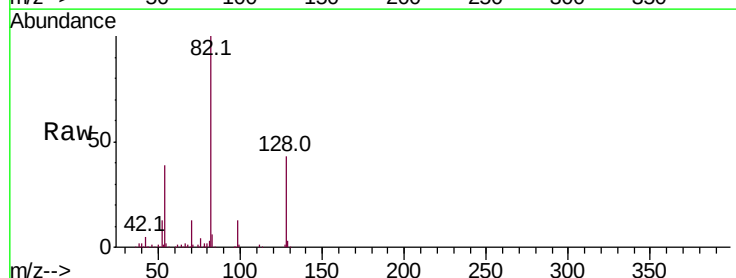
Ion Ratio Lower Upper

70 100

42 35.8 43.5 65.3#

101 0.0 7.8 11.6#

130 2.3 16.6 24.8#

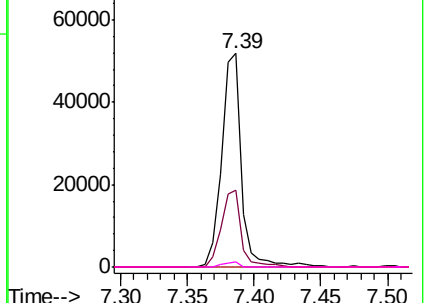
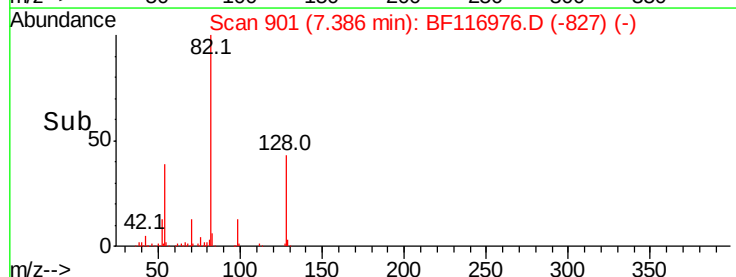


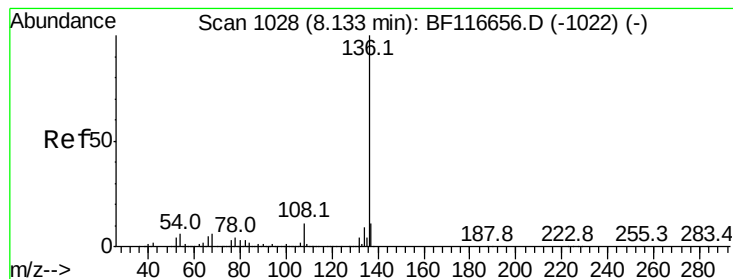
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF116976.D

Acq: 12 Sep 2019 5:34

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 353667

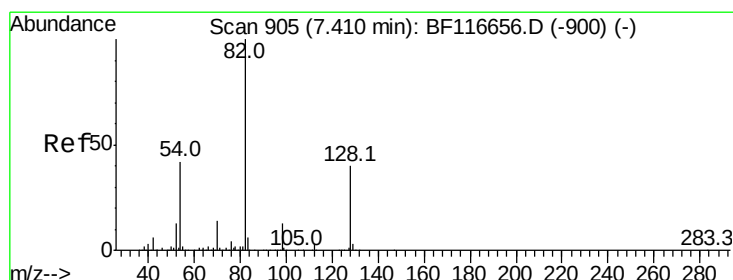
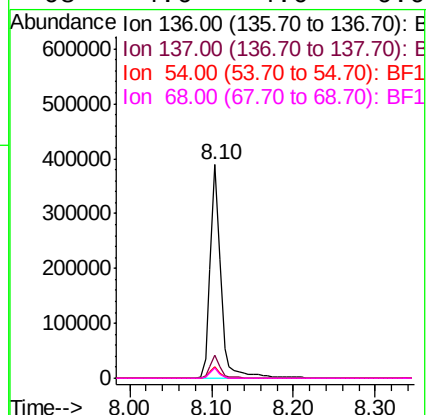
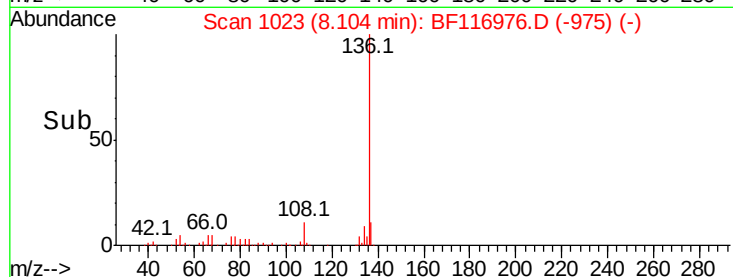
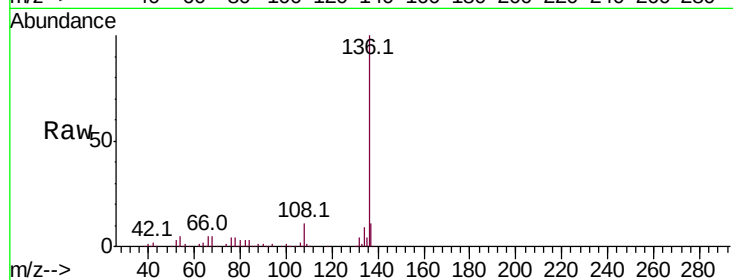
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 5.4 4.8 7.2

68 4.6 4.0 6.0



#23

Nitrobenzene-d5

Concen: 65.700 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.01 min

Lab File: BF116976.D

Acq: 12 Sep 2019 5:34

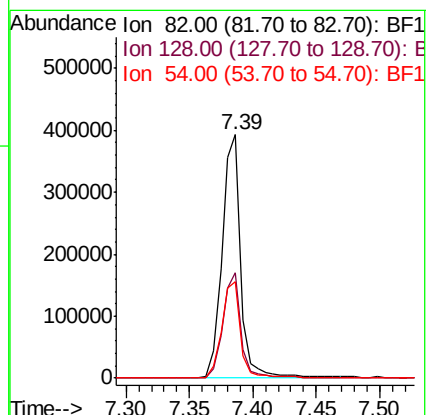
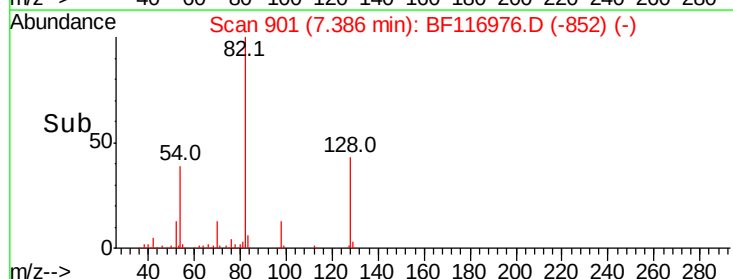
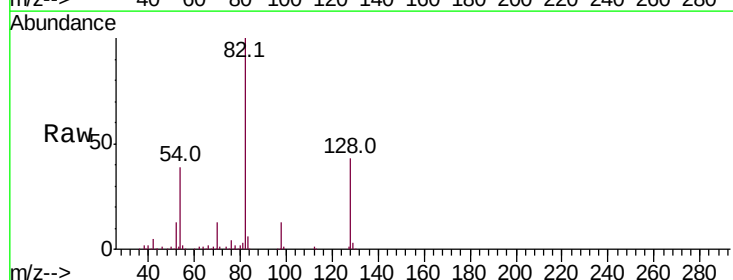
Tgt Ion: 82 Resp: 407026

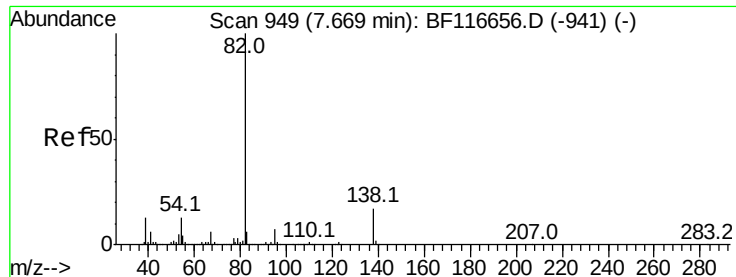
Ion Ratio Lower Upper

82 100

128 43.4 32.8 49.2

54 39.4 36.9 55.3





#25

Isophorone

Concen: 32.423 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.27 min

Lab File: BF116976.D

Acq: 12 Sep 2019 5:34

Instrument :

BNA_F

ClientSampleId :

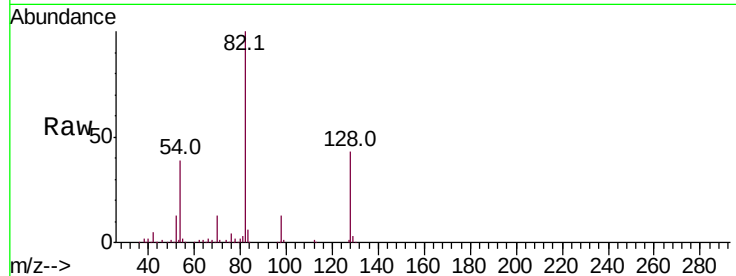
Tot Ion: 82 Resp: 407020

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

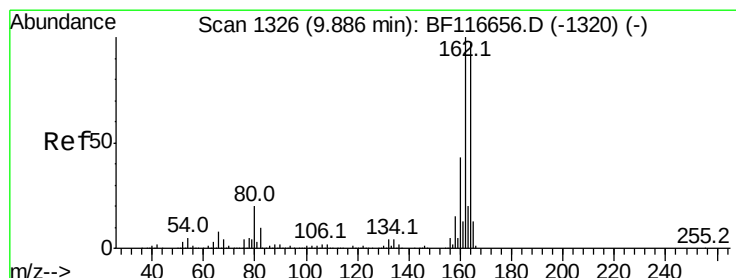
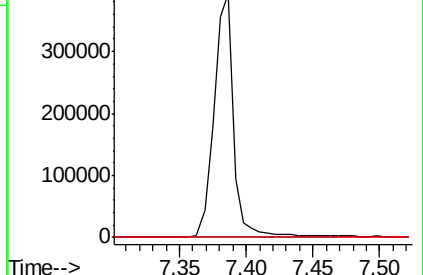
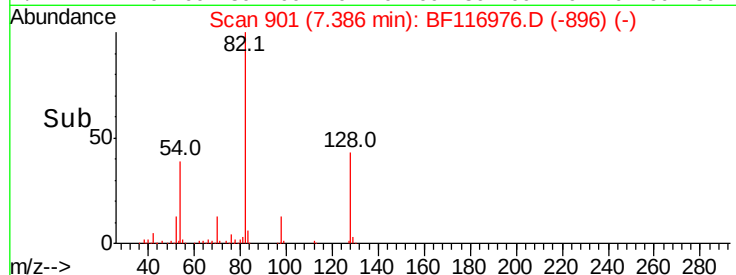
138 0.0 13.5 20.3#



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: 9.86 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BF116976.D

Acq: 12 Sep 2019 5:34

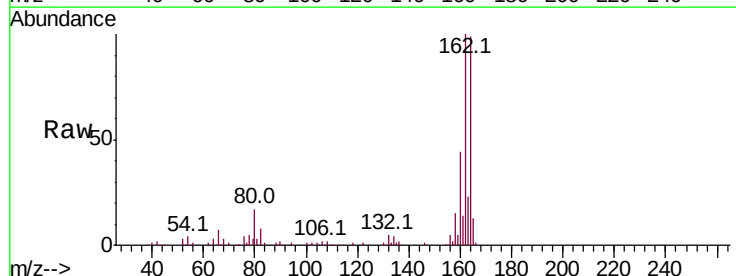
Tgt Ion: 164 Resp: 190428

Ion Ratio Lower Upper

164 100

162 101.0 81.4 122.0

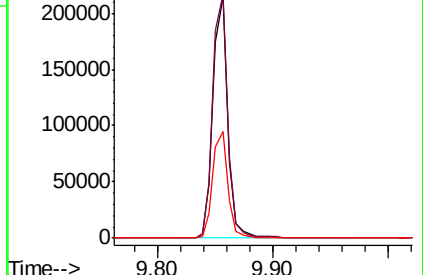
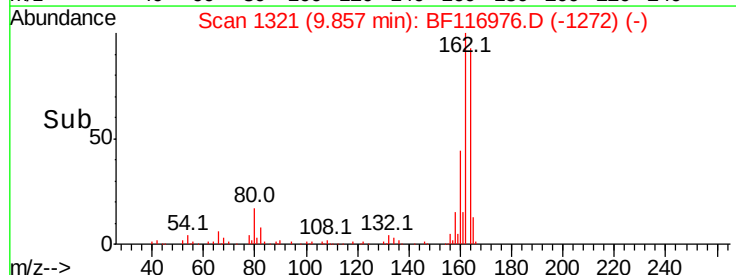
160 44.2 35.4 53.2

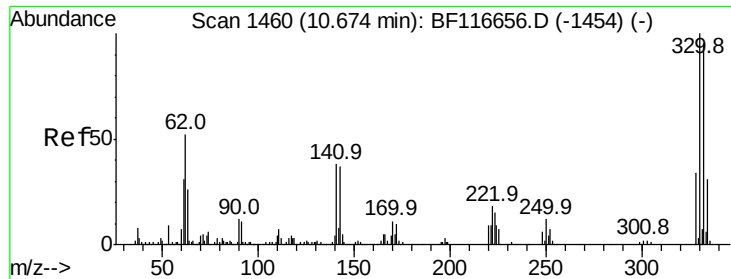


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

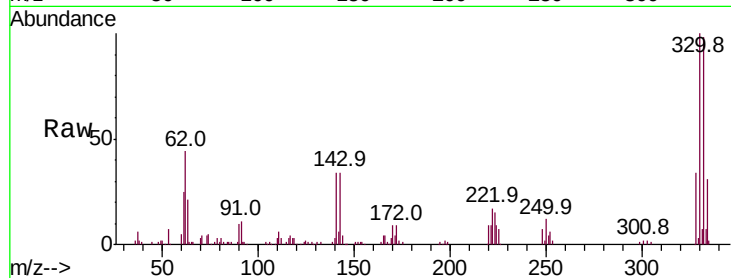




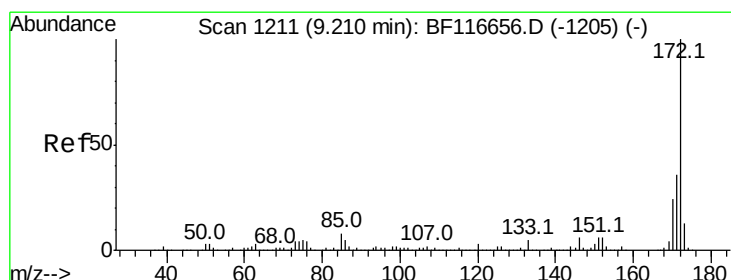
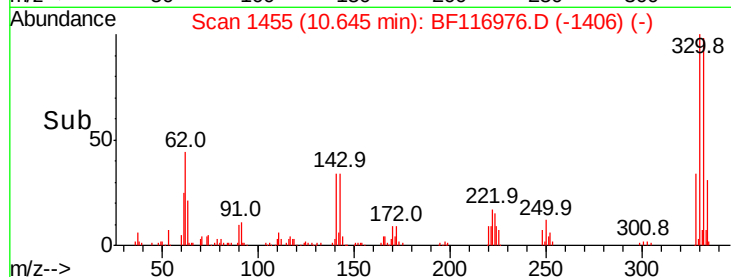
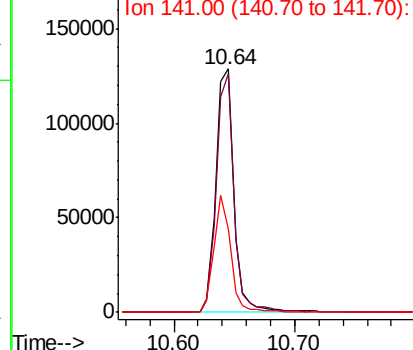
#42
 2,4,6-Tribromophenol
 Concen: 103.527 ng
 RT: 10.64 min Scan# 1455
 Delta R.T. -0.01 min
 Lab File: BF116976.D
 Acq: 12 Sep 2019 5:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.9	115.3
141	45.0	31.4	47.2

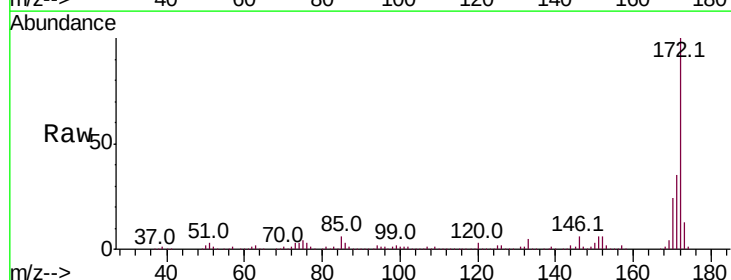


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

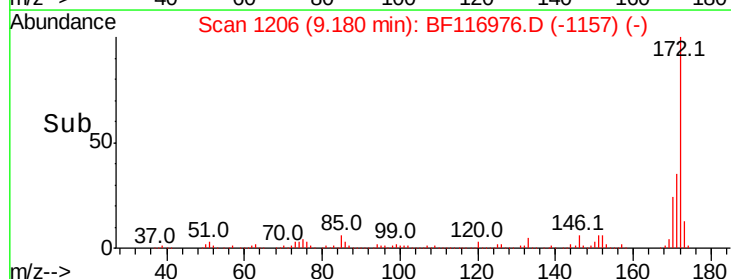
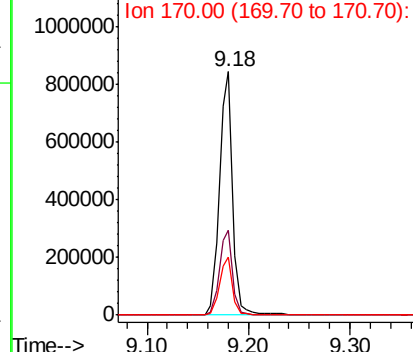


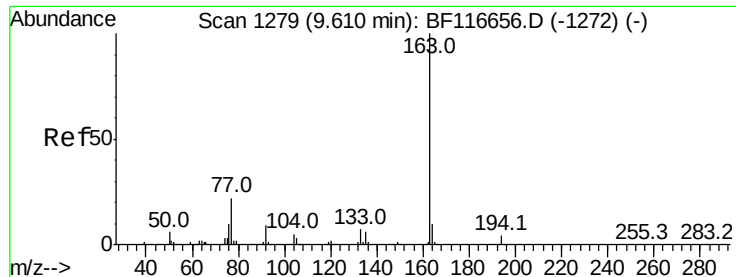
#45
 2-Fluorobiphenyl
 Concen: 67.845 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: BF116976.D
 Acq: 12 Sep 2019 5:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	27.8	41.6
170	23.8	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: 9.306 ng

RT: 9.57 min Scan# 1272

Delta R.T. -0.02 min

Lab File: BF116976.D

Acq: 12 Sep 2019 5:34

Instrument :

BNA_F

ClientSampleId :

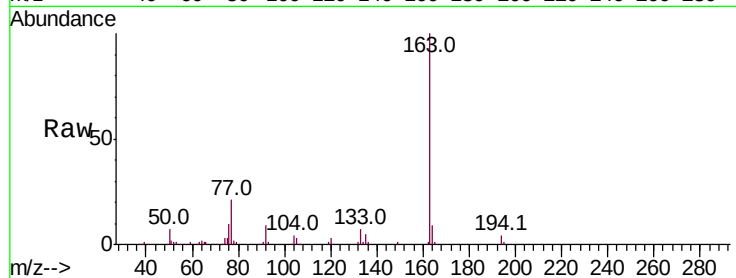
Tot Ion:163 Resp: 122353

Ion Ratio Lower Upper

163 100

194 4.0 2.8 4.2

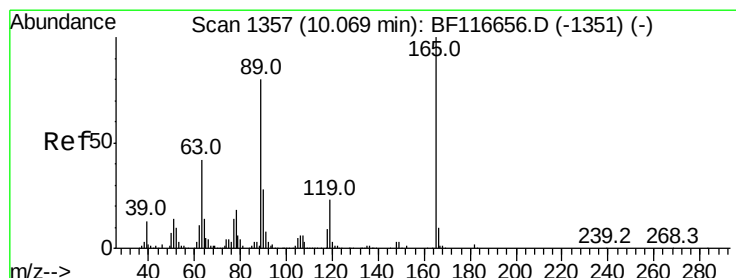
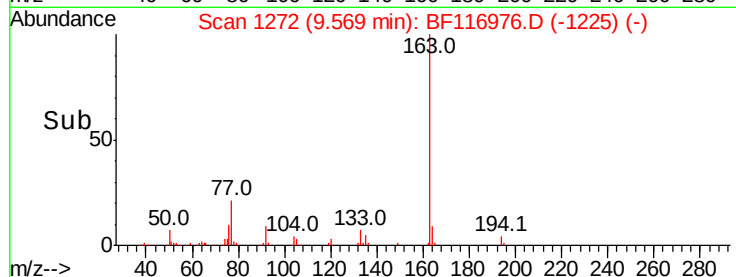
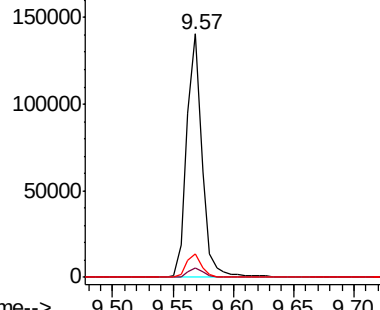
164 9.4 8.6 12.8



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: 7.907 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.20 min

Lab File: BF116976.D

Acq: 12 Sep 2019 5:34

Tgt Ion:165 Resp: 24253

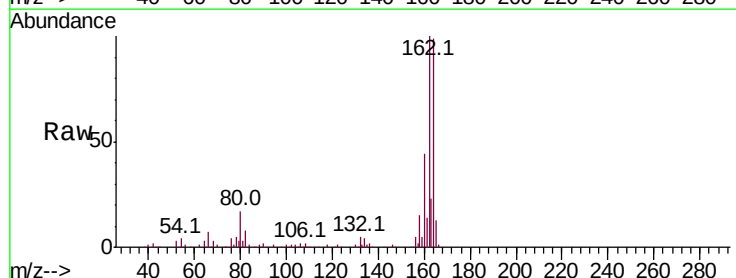
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 1.1 62.6 94.0#

182 0.0 2.1 3.1#

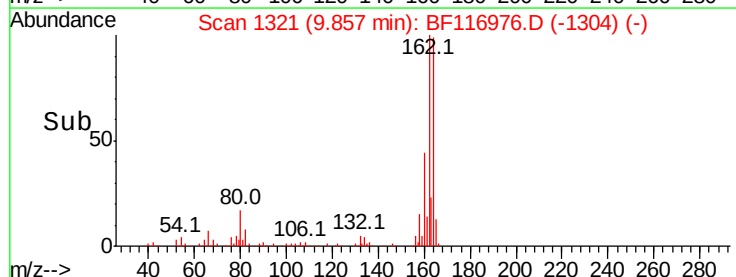
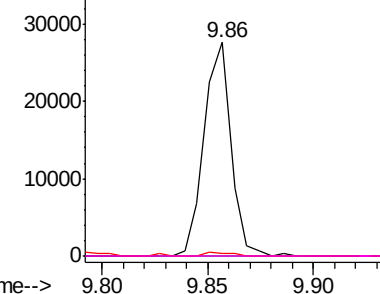


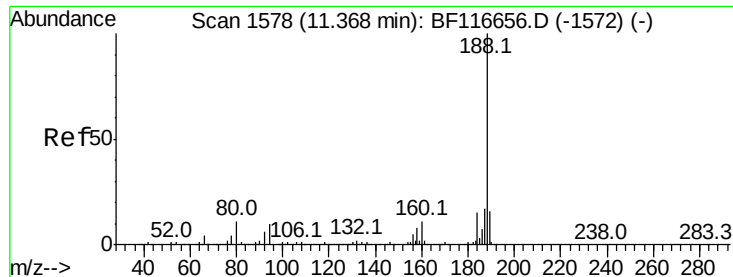
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.34 min Scan# 1573

Delta R.T. -0.01 min

Lab File: BF116976.D

Acq: 12 Sep 2019 5:34

Instrument :

BNA_F

ClientSampleId :

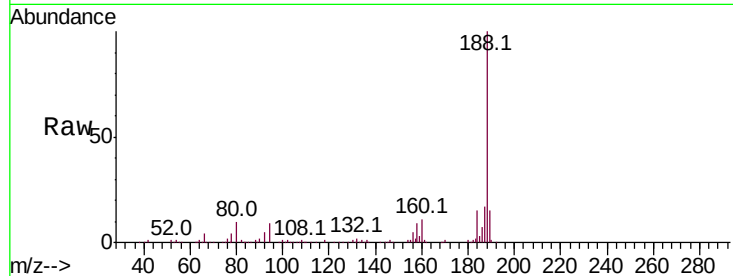
Tot Ion:188 Resp: 322672

Ion Ratio Lower Upper

188 100

94 8.8 7.3 10.9

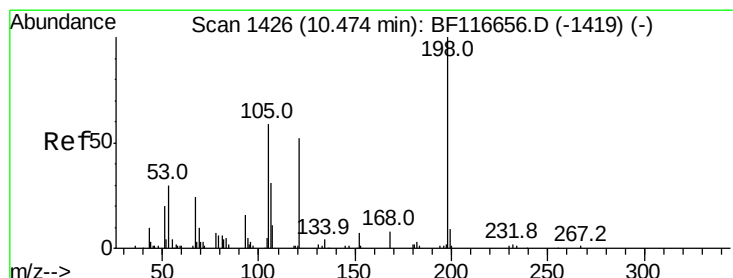
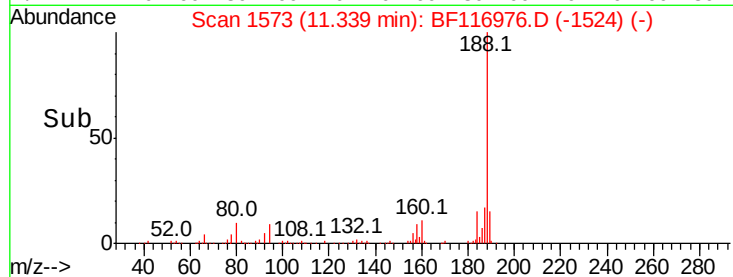
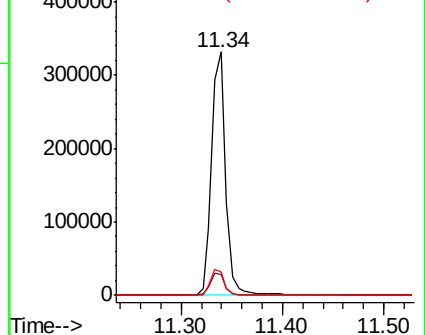
80 9.7 8.4 12.6



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: 7.566 ng

RT: 10.64 min Scan# 1455

Delta R.T. 0.18 min

Lab File: BF116976.D

Acq: 12 Sep 2019 5:34

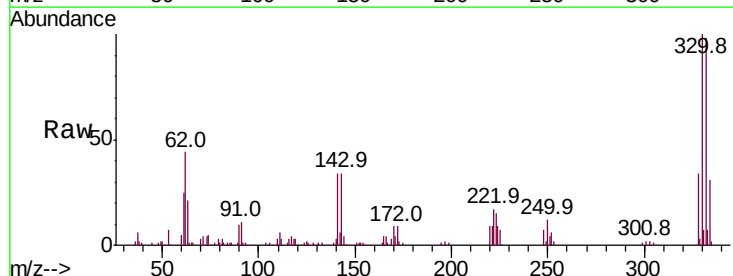
Tgt Ion:198 Resp: 162

Ion Ratio Lower Upper

198 100

51 132.0 18.4 58.4#

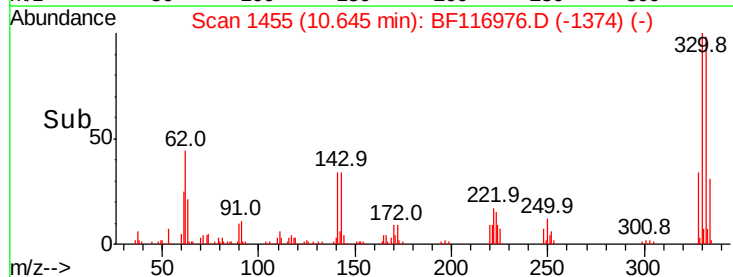
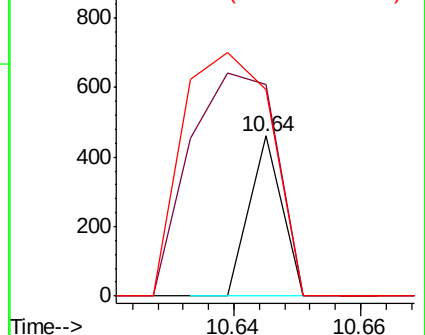
105 129.1 22.9 62.9#

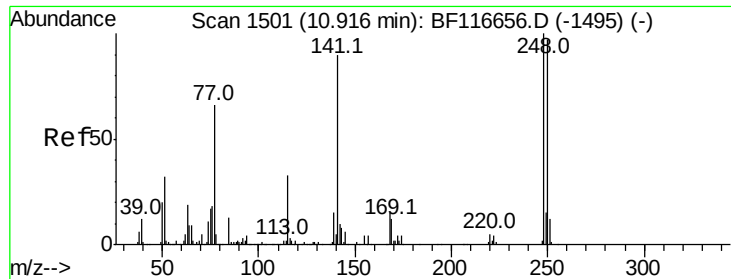


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#67

4-Bromophenyl-phenylether

Concen: 2.798 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.26 min

Lab File: BF116976.D

Acq: 12 Sep 2019 5:34

Instrument :

BNA_F

ClientSampled :

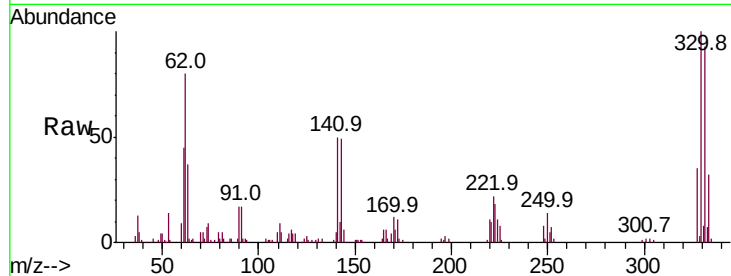
Tot Ion:248 Resp: 9170

Ion Ratio Lower Upper

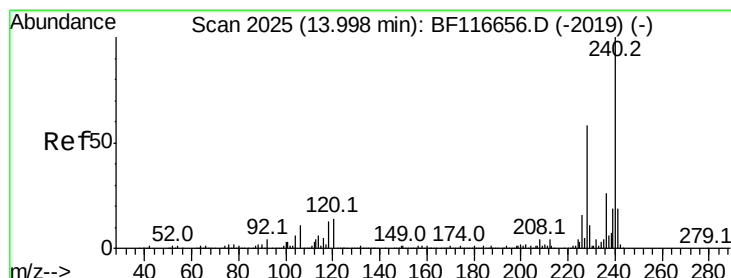
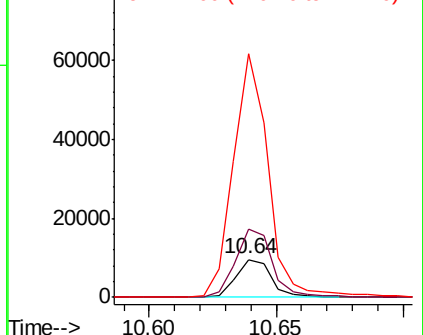
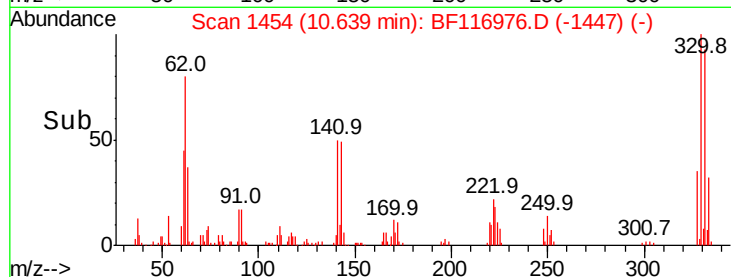
248 100

250 179.5 77.8 116.8#

141 644.9 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: BF116976.D

Acq: 12 Sep 2019 5:34

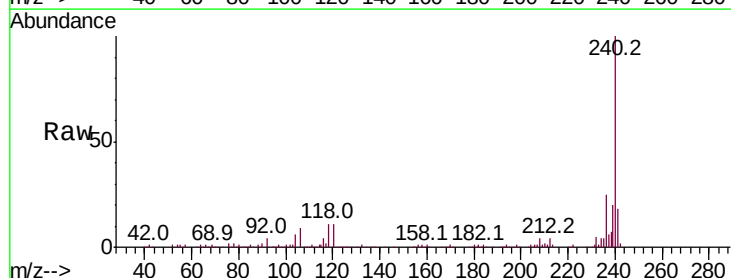
Tgt Ion:240 Resp: 192867

Ion Ratio Lower Upper

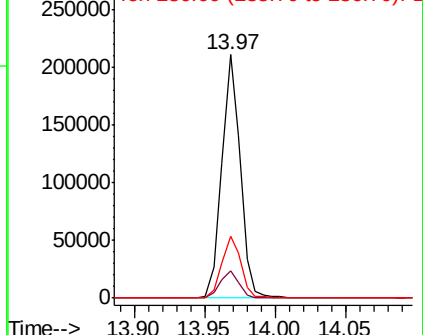
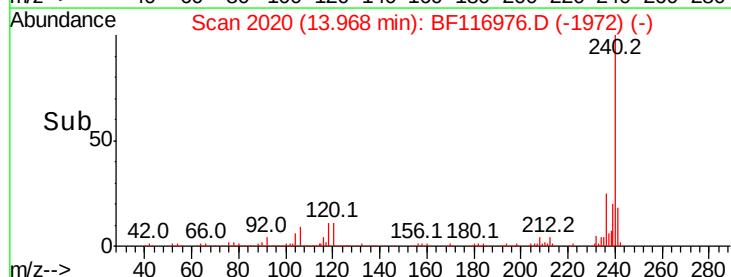
240 100

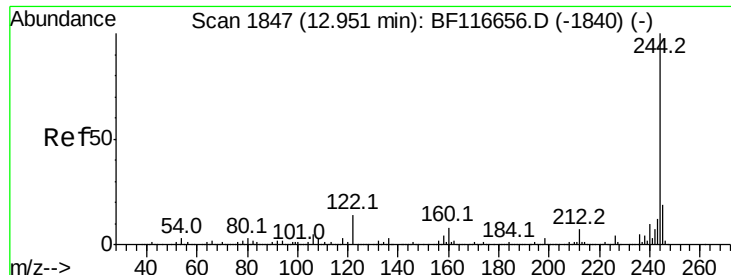
120 11.4 9.1 13.7

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: 73.248 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.01 min

Lab File: BF116976.D

Acq: 12 Sep 2019 5:34

Instrument :

BNA_F

ClientSampled :

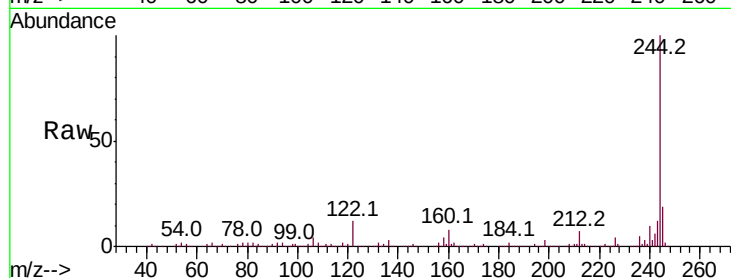
Tot Ion:244 Resp: 763654

Ion Ratio Lower Upper

244 100

212 7.1 6.1 9.1

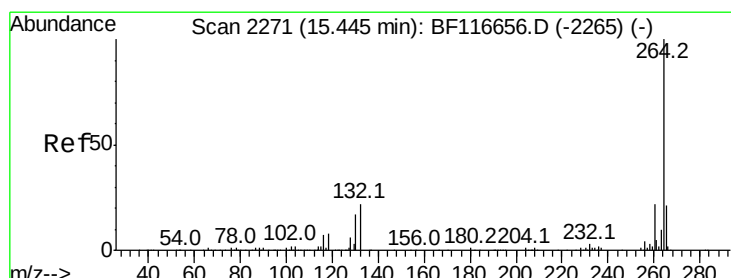
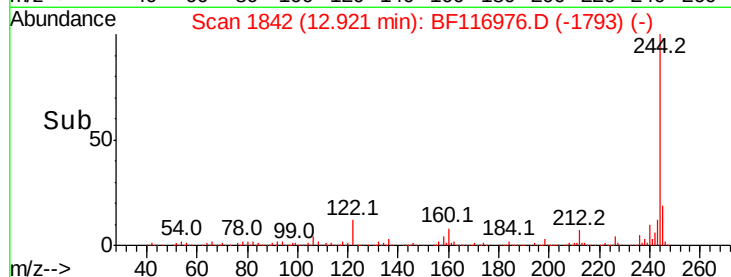
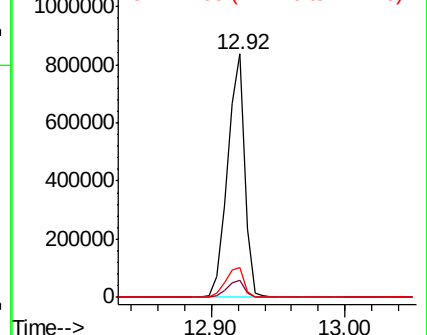
122 12.2 10.2 15.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2266

Delta R.T. -0.02 min

Lab File: BF116976.D

Acq: 12 Sep 2019 5:34

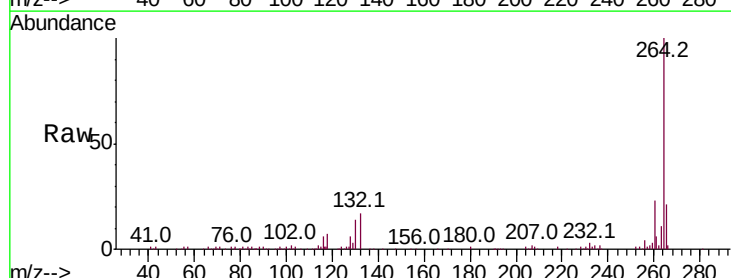
Tgt Ion:264 Resp: 192059

Ion Ratio Lower Upper

264 100

260 23.3 18.3 27.5

265 21.2 16.5 24.7



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

