

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
 Data File : BF116979.D
 Acq On : 12 Sep 2019 6:53
 Operator : HP/JU
 Sample : K4764-14
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 12 08:37:40 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 12 08:24:39 2019
 Response via : Initial Calibration

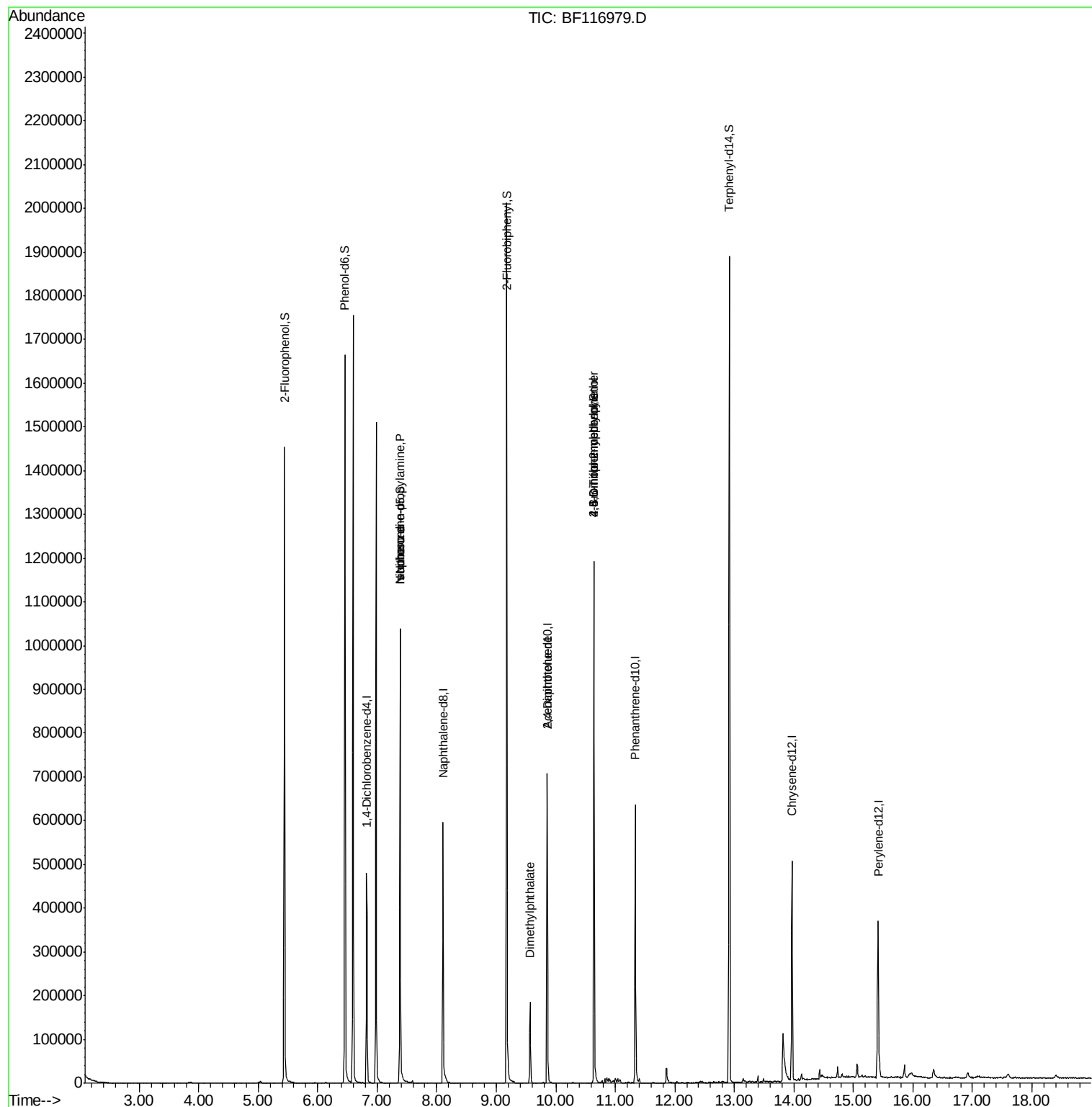
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	72465	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	292231	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	155293	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	265401	20.00	ng	0.00
76) Chrysene-d12	13.97	240	163570	20.00	ng	0.00
87) Perylene-d12	15.42	264	167406	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	461149	103.10	ng	0.00
7) Phenol-d6	6.46	99	632149	107.63	ng	0.00
23) Nitrobenzene-d5	7.39	82	388526	75.90	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	131435	126.60	ng	0.00
45) 2-Fluorobiphenyl	9.18	172	675908	73.42	ng	0.00
79) Terphenyl-d14	12.92	244	611840	69.20	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.39	70	52139	13.482	ng	# 77
25) Isophorone	7.39	82	388522	37.456	ng	# 66
50) Dimethylphthalate	9.57	163	75668	7.058	ng	100
57) 2,4-Dinitrotoluene	9.86	165	19497	7.795	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.64	198	123	7.557	ng	# 1
67) 4-Bromophenyl-phenylether	10.64	248	8446	3.133	ng	# 1

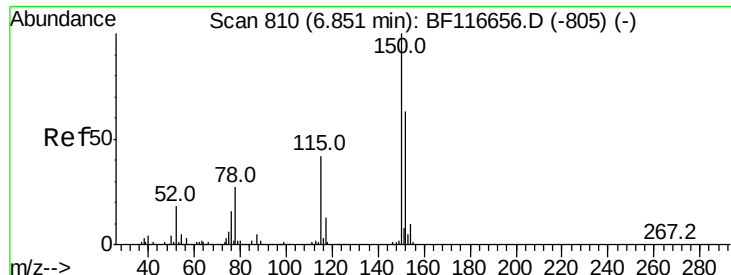
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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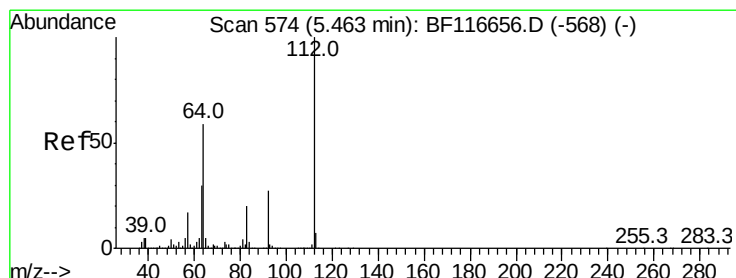
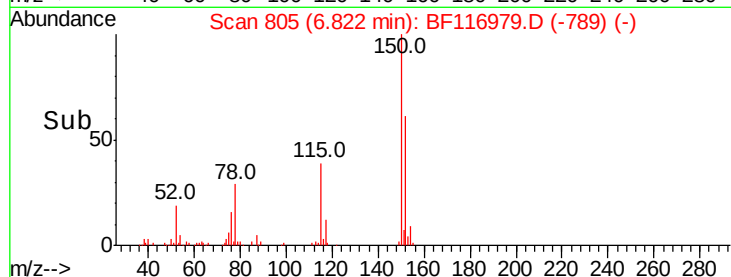
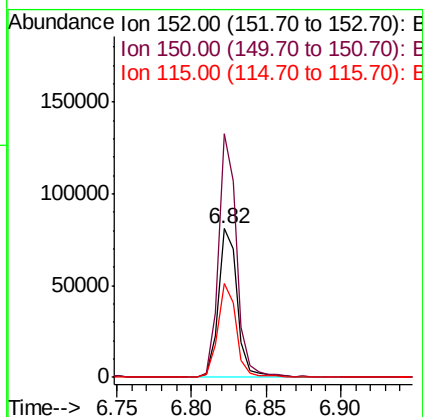
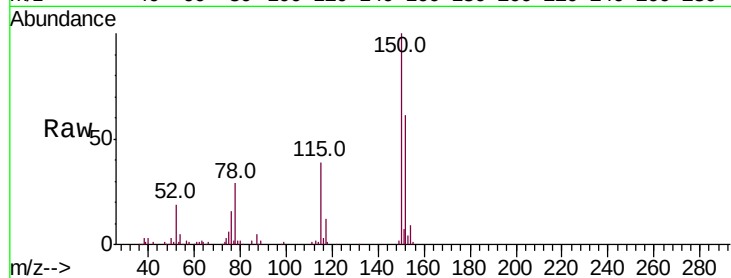


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF116979.D
Acq: 12 Sep 2019 6:53

Instrument :
BNA_F
ClientSampleId :

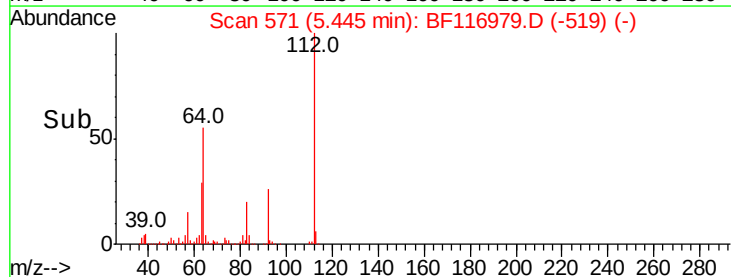
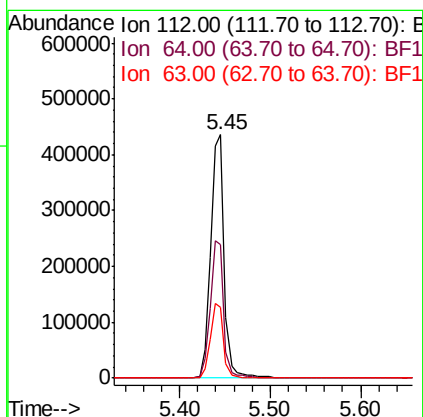
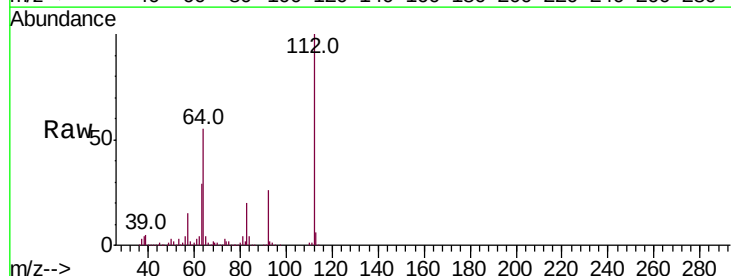
Tot Ion	Ratio	Lower	Upper
152	100		
150	163.7	126.2	189.2
115	63.4	50.2	75.2

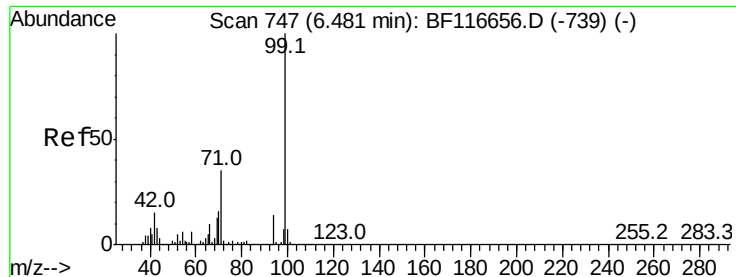


#5

2-Fluorophenol
Concen: 103.096 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF116979.D
Acq: 12 Sep 2019 6:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.7	47.1	70.7
63	29.4	25.4	38.0





#7

Phenol-d6

Concen: 107.627 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF116979.D

Acq: 12 Sep 2019 6:53

Instrument :

BNA_F

ClientSampleId :

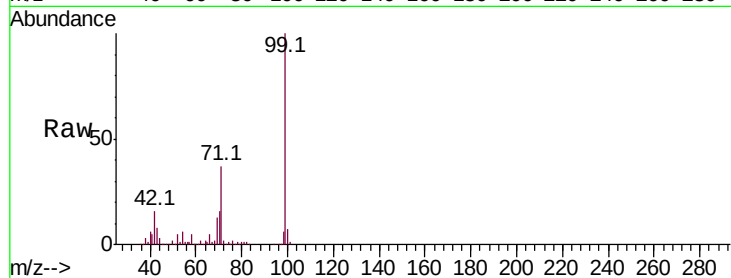
Tot Ion: 99 Resp: 632149

Ion Ratio Lower Upper

99 100

42 15.6 12.0 18.0

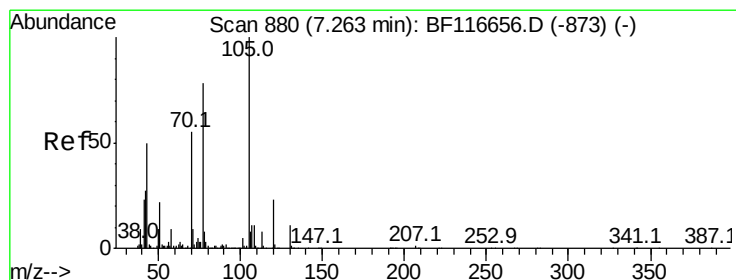
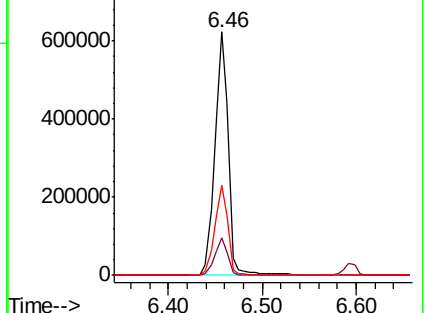
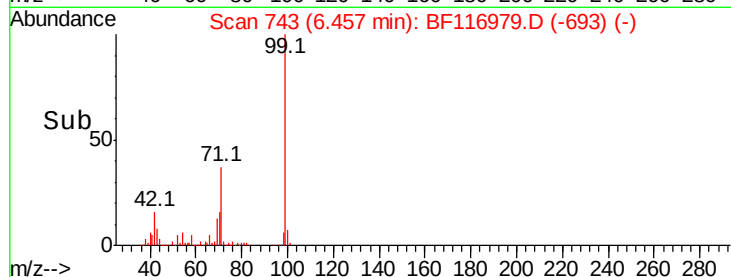
71 37.0 29.7 44.5



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: 13.482 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.15 min

Lab File: BF116979.D

Acq: 12 Sep 2019 6:53

Tgt Ion: 70 Resp: 52139

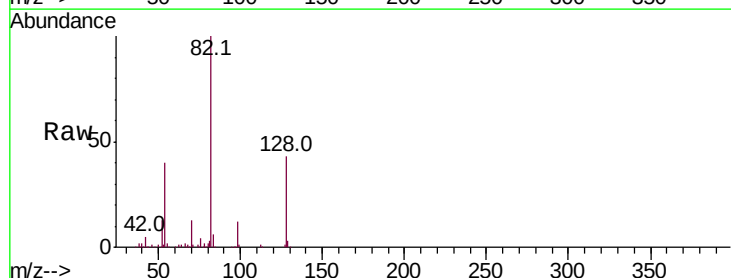
Ion Ratio Lower Upper

70 100

42 35.8 37.0 55.4#

101 0.0 7.4 11.2#

130 1.9 16.0 24.0#

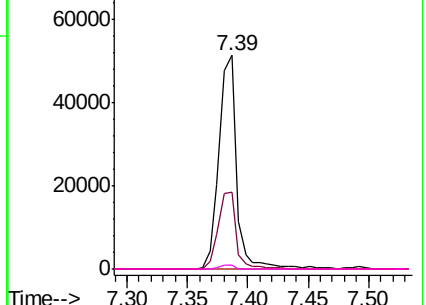
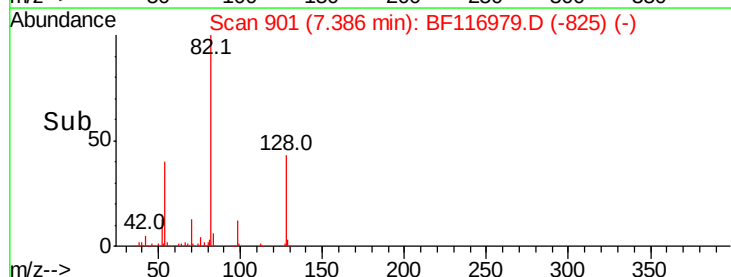


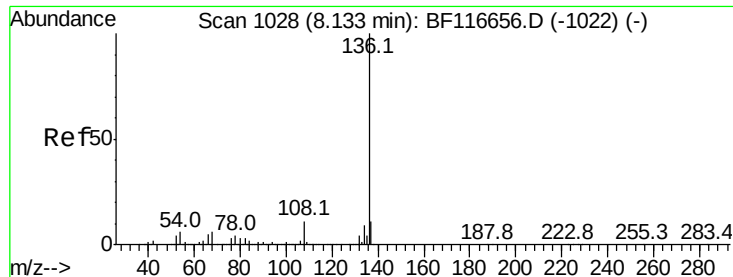
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

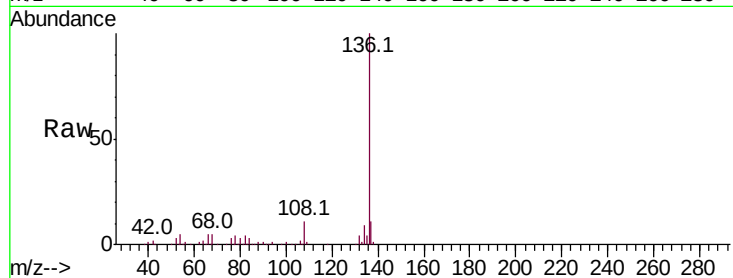




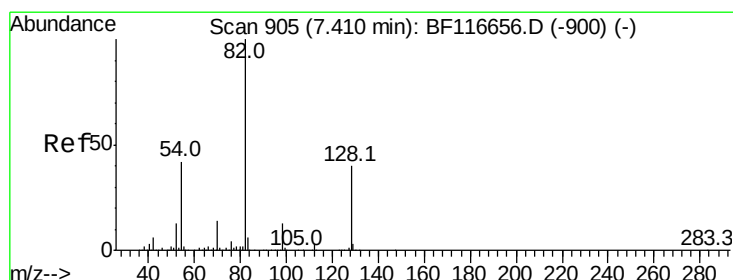
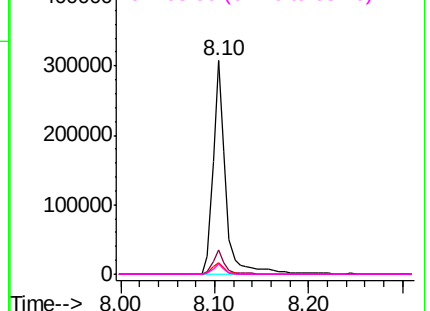
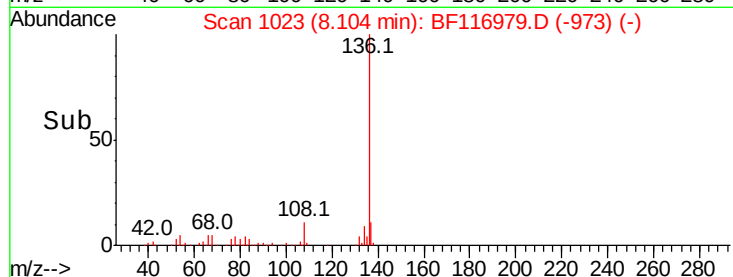
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF116979.D
Acq: 12 Sep 2019 6:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	292231
Ion Ratio	Lower	Upper
136 100		
137 11.1	8.5	12.7
54 5.2	3.8	5.8
68 4.7	3.6	5.4

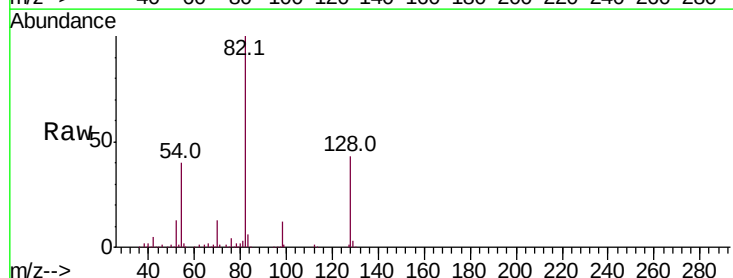


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

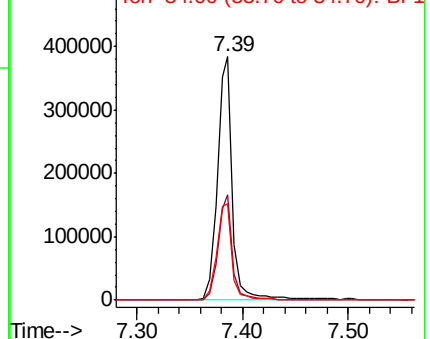
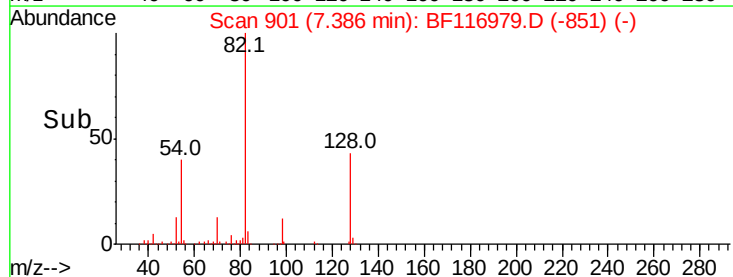


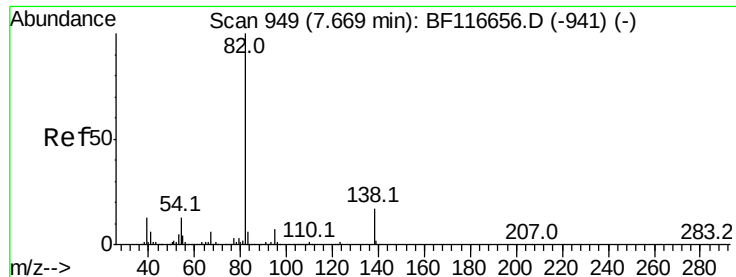
#23
Nitrobenzene-d5
Concen: 75.899 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.01 min
Lab File: BF116979.D
Acq: 12 Sep 2019 6:53

Tgt Ion: 82	Resp:	388526
Ion Ratio	Lower	Upper
82 100		
128 43.3	35.0	52.4
54 39.7	32.6	48.8



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: 37.456 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.26 min

Lab File: BF116979.D

Acq: 12 Sep 2019 6:53

Instrument :

BNA_F

ClientSampleId :

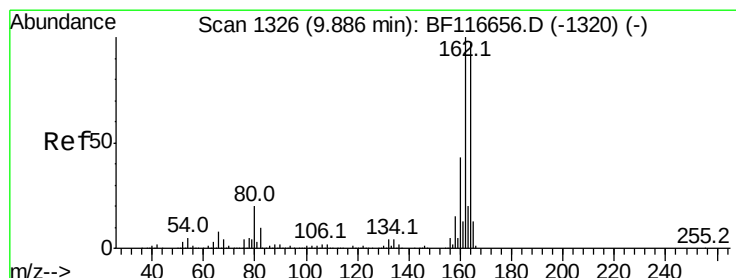
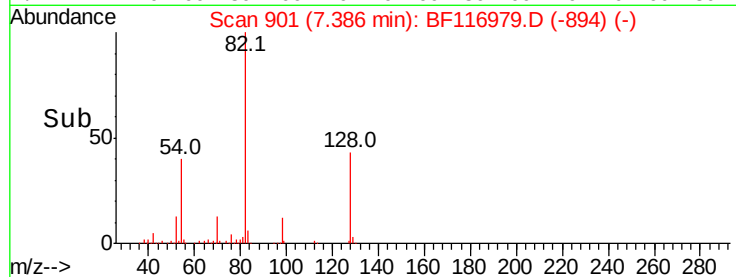
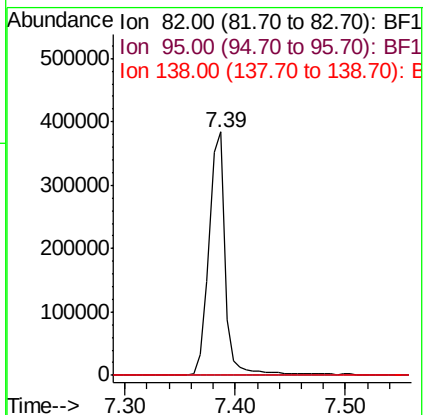
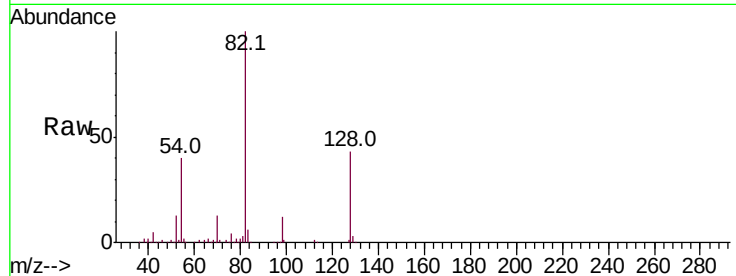
Tot Ion: 82 Resp: 388522

Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

138 0.0 13.4 20.2#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.00 min

Lab File: BF116979.D

Acq: 12 Sep 2019 6:53

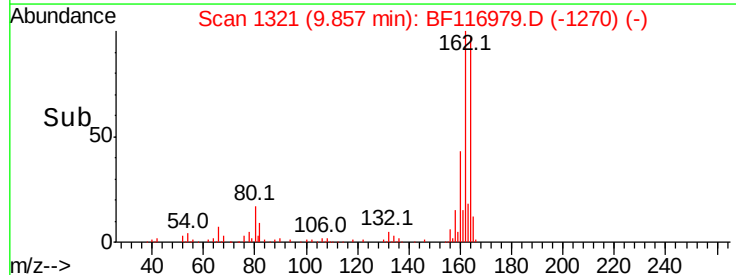
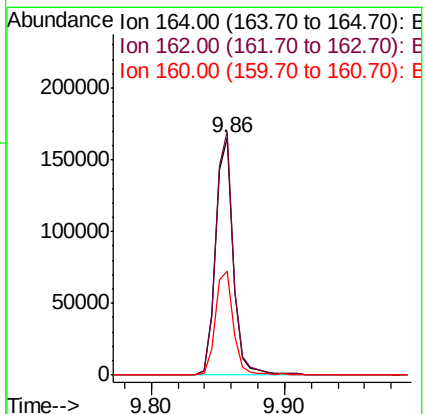
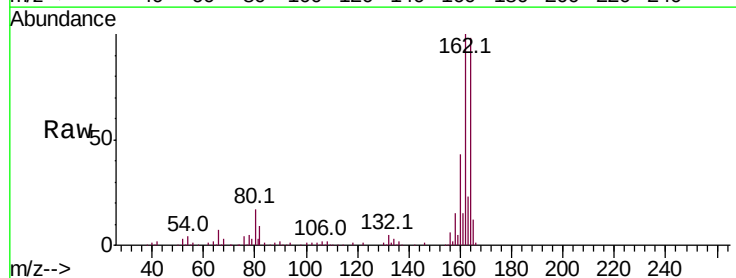
Tgt Ion: 164 Resp: 155293

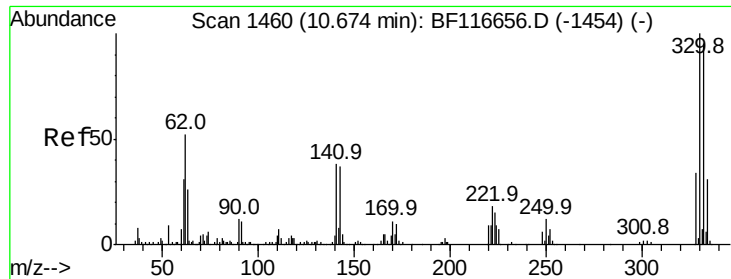
Ion Ratio Lower Upper

164 100

162 102.5 81.8 122.6

160 44.0 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 126.603 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF116979.D

Acq: 12 Sep 2019 6:53

Instrument :

BNA_F

ClientSampleId :

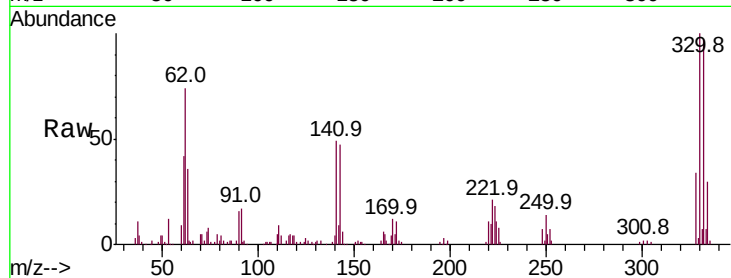
Tot Ion:330 Resp: 131435

Ion Ratio Lower Upper

330 100

332 95.4 75.9 113.9

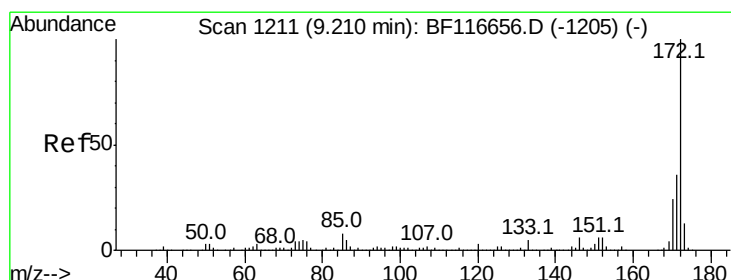
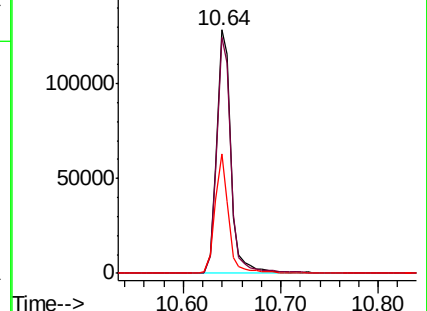
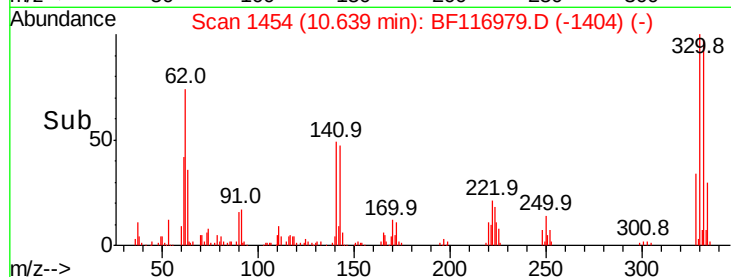
141 45.2 35.6 53.4



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: 73.422 ng

RT: 9.18 min Scan# 1206

Delta R.T. -0.00 min

Lab File: BF116979.D

Acq: 12 Sep 2019 6:53

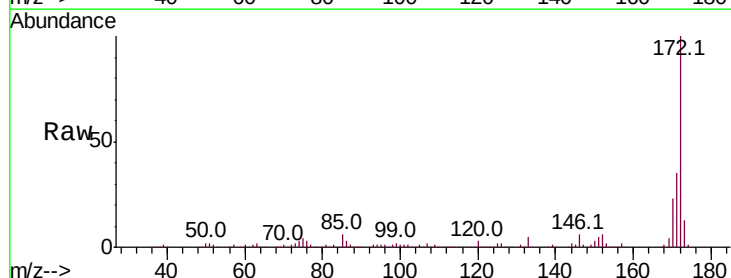
Tgt Ion:172 Resp: 675908

Ion Ratio Lower Upper

172 100

171 34.8 29.1 43.7

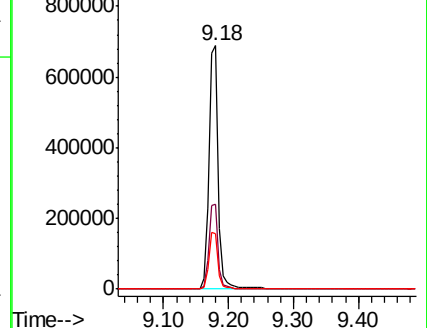
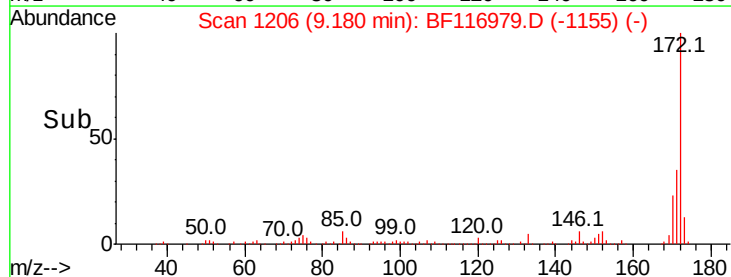
170 23.0 19.2 28.8

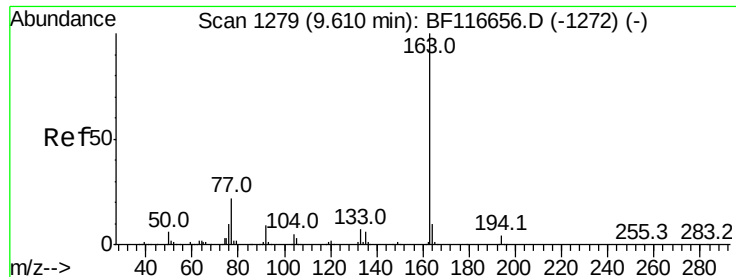


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

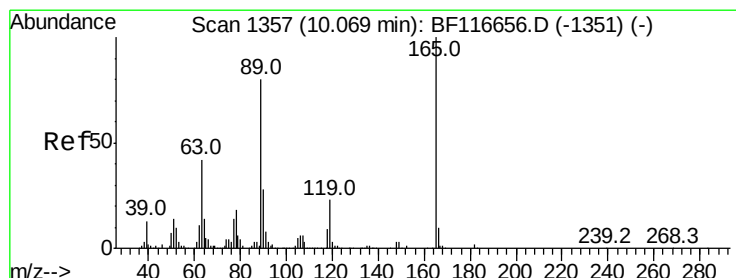
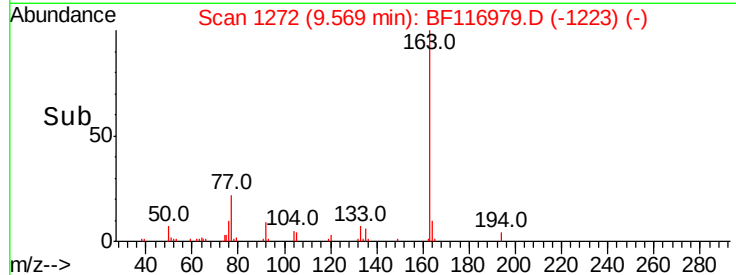
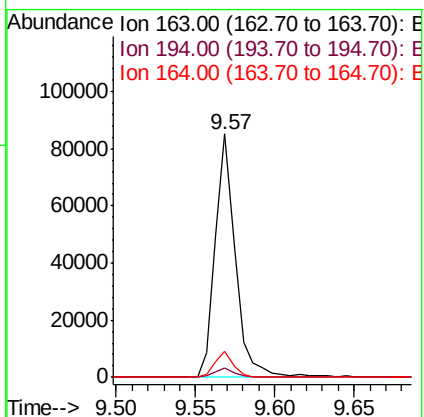
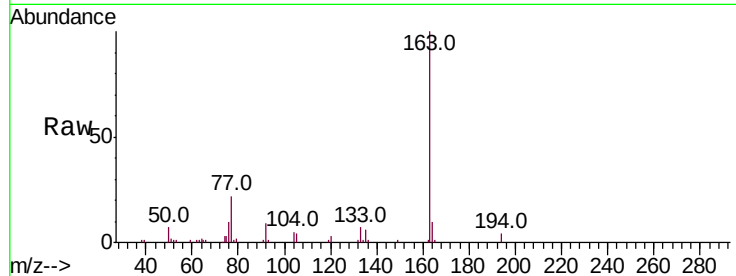




#50
 Dimethylphthalate
 Concen: 7.058 ng
 RT: 9.57 min Scan# 1272
 Delta R.T. -0.01 min
 Lab File: BF116979.D
 Acq: 12 Sep 2019 6:53

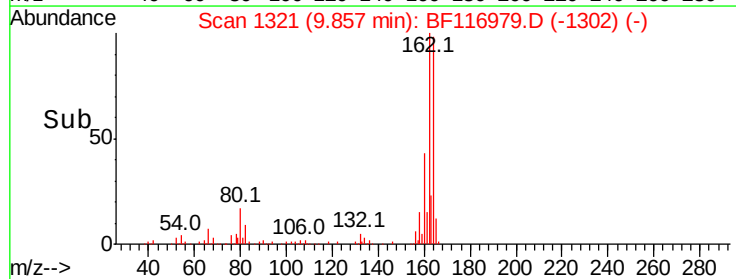
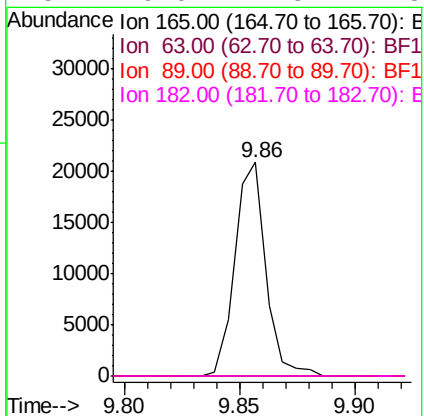
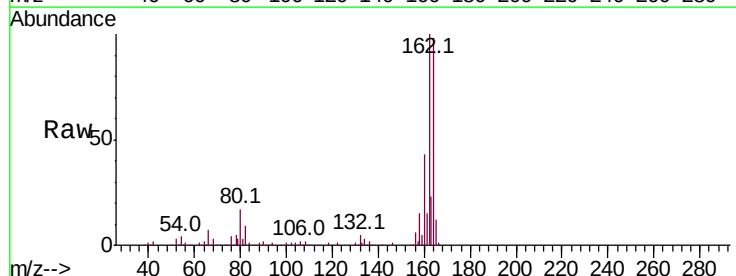
Instrument :
 BNA_F
 ClientSampled :

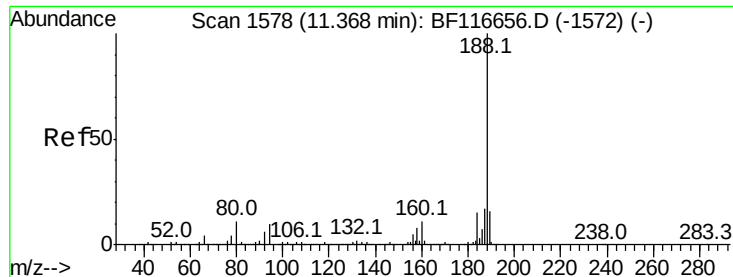
Tot Ion:	163	Resp:	75668
Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.7	4.1
164	10.4	8.2	12.4



#57
 2,4-Dinitrotoluene
 Concen: 7.795 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. -0.19 min
 Lab File: BF116979.D
 Acq: 12 Sep 2019 6:53

Tgt Ion:	165	Resp:	19497
Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.2	54.2#
89	0.0	66.1	99.1#
182	0.0	1.8	2.8#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BF116979.D

Acq: 12 Sep 2019 6:53

Instrument :

BNA_F

ClientSampleId :

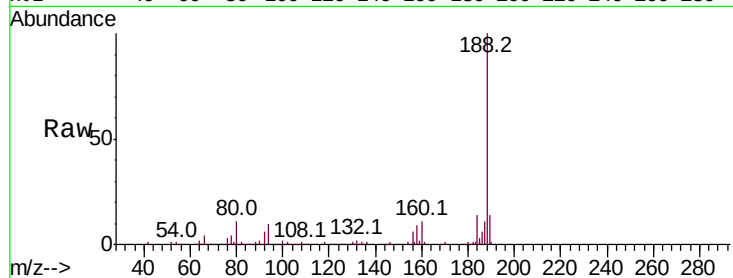
Tot Ion:188 Resp: 265401

Ion Ratio Lower Upper

188 100

94 10.2 7.4 11.2

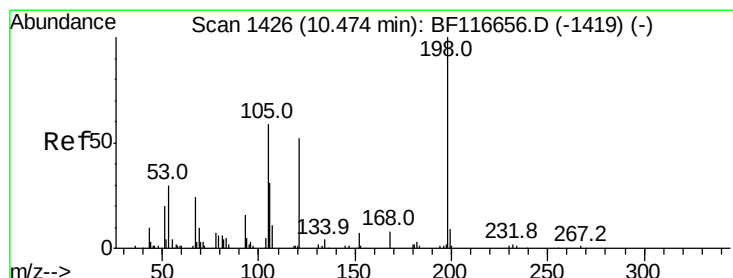
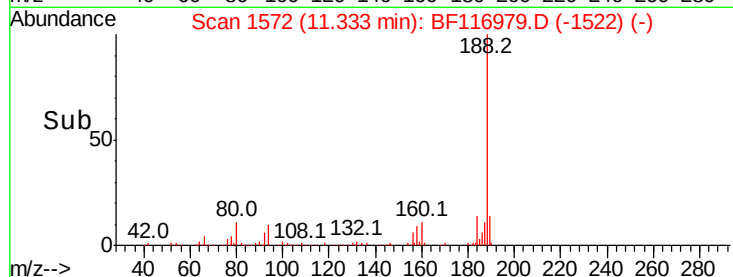
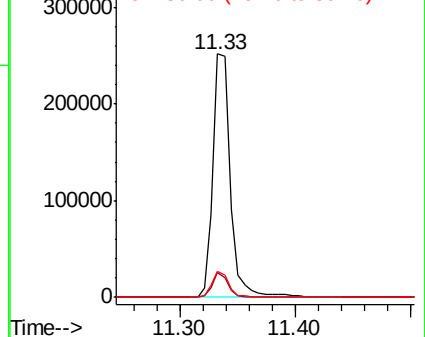
80 10.9 8.5 12.7



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: 7.557 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.18 min

Lab File: BF116979.D

Acq: 12 Sep 2019 6:53

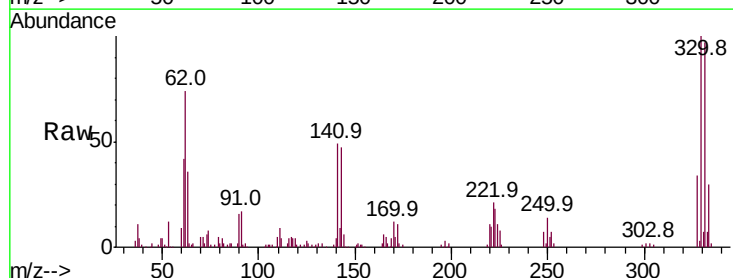
Tgt Ion:198 Resp: 123

Ion Ratio Lower Upper

198 100

51 207.5 26.3 66.3#

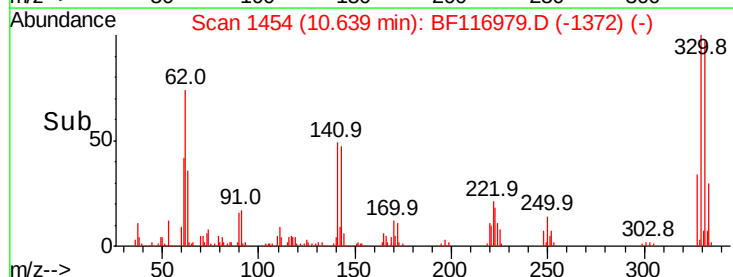
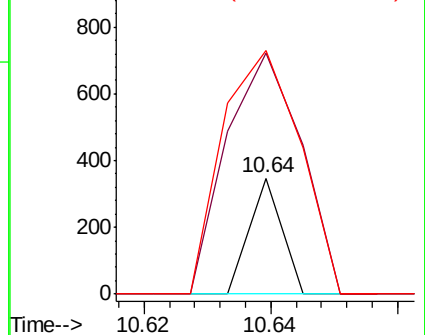
105 209.5 40.0 80.0#

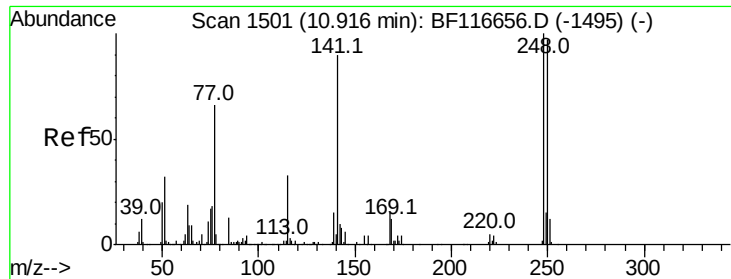


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

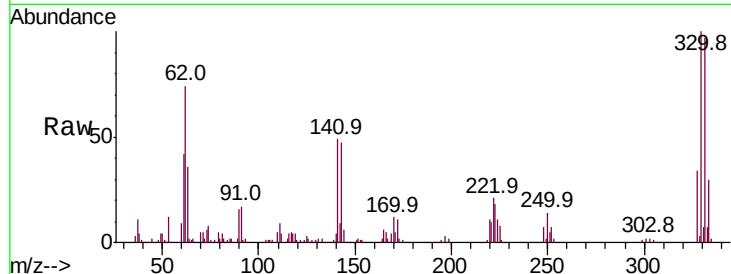




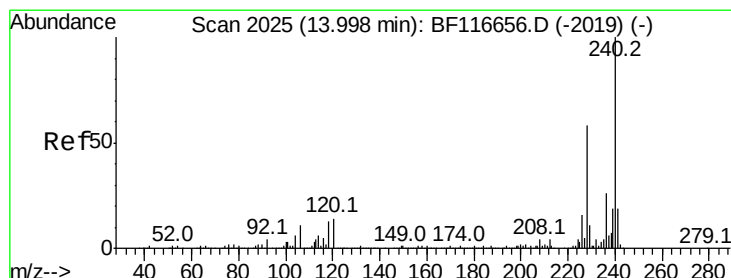
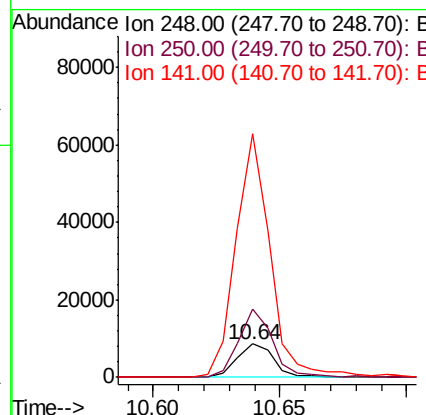
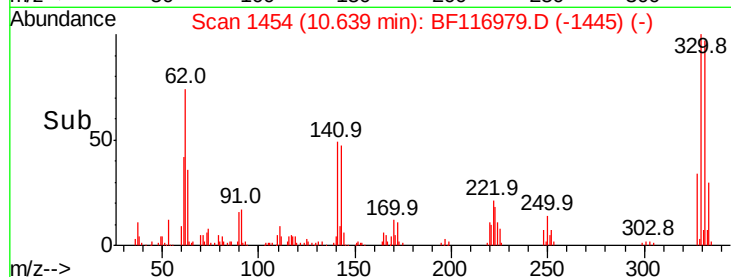
#67
 4-Bromophenyl-phenylether
 Concen: 3.133 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.25 min
 Lab File: BF116979.D
 Acq: 12 Sep 2019 6:53

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 8446
 Ion Ratio Lower Upper
 248 100
 250 205.1 77.0 115.4#
 141 725.6 70.2 105.2#

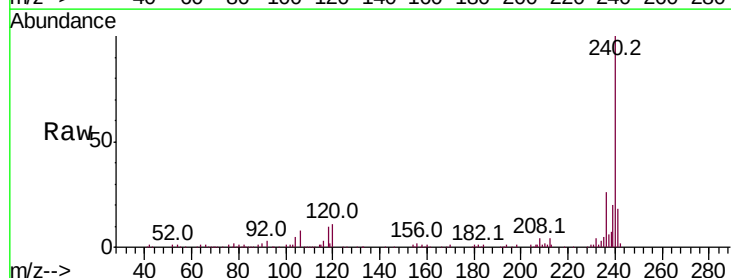


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

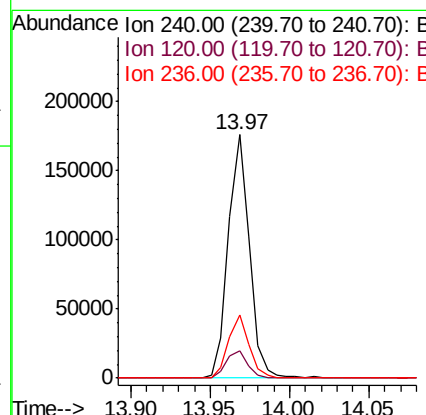
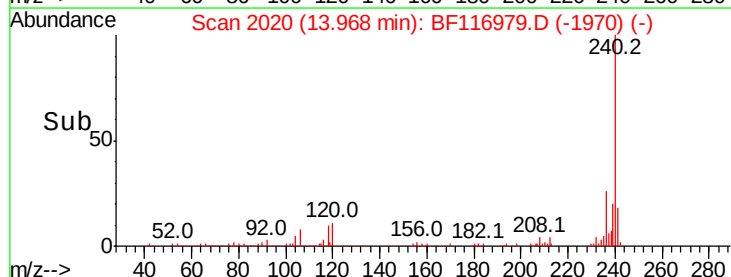


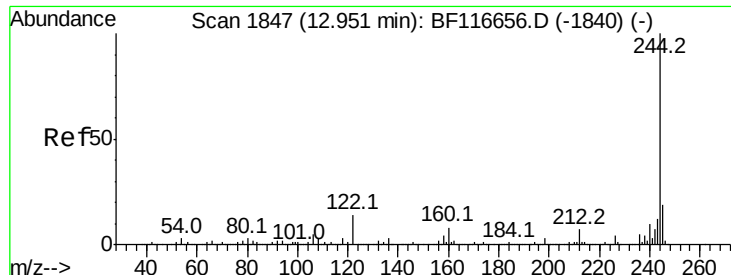
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF116979.D
 Acq: 12 Sep 2019 6:53

Tgt Ion:240 Resp: 163570
 Ion Ratio Lower Upper
 240 100
 120 11.3 9.1 13.7
 236 25.8 20.9 31.3



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: 69.198 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF116979.D

Acq: 12 Sep 2019 6:53

Instrument :

BNA_F

ClientSampleId :

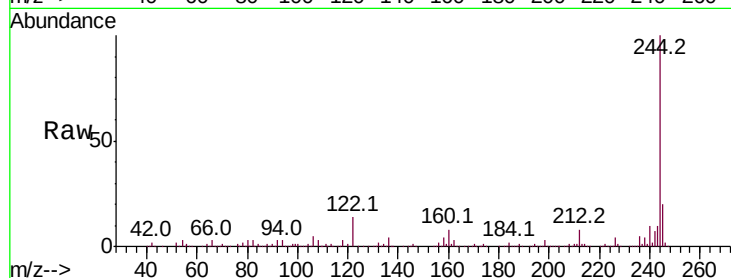
Tot Ion:244 Resp: 611840

Ion Ratio Lower Upper

244 100

212 7.5 5.7 8.5

122 14.4 11.5 17.3



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

800000

600000

400000

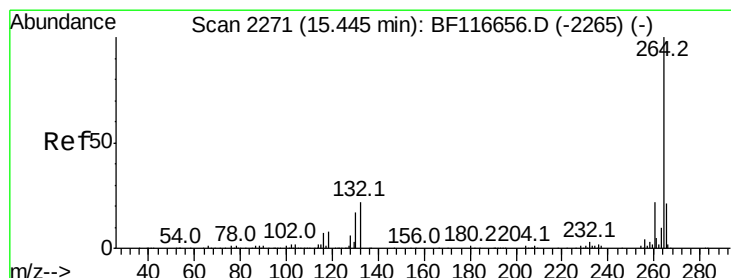
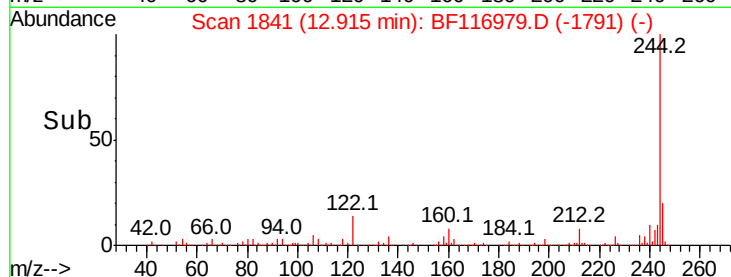
200000

0

12.90

13.00

Time-->



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2266

Delta R.T. -0.00 min

Lab File: BF116979.D

Acq: 12 Sep 2019 6:53

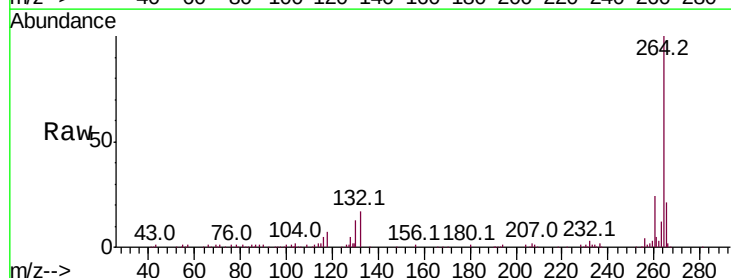
Tgt Ion:264 Resp: 167406

Ion Ratio Lower Upper

264 100

260 24.0 19.0 28.4

265 20.9 17.9 26.9



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

150000

100000

50000

0

15.40

15.50

Time-->

