

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081019\
 Data File : BF116168.D
 Acq On : 11 Aug 2019 1:49
 Operator : HP/JU
 Sample : K4284-01
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 12 01:00:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

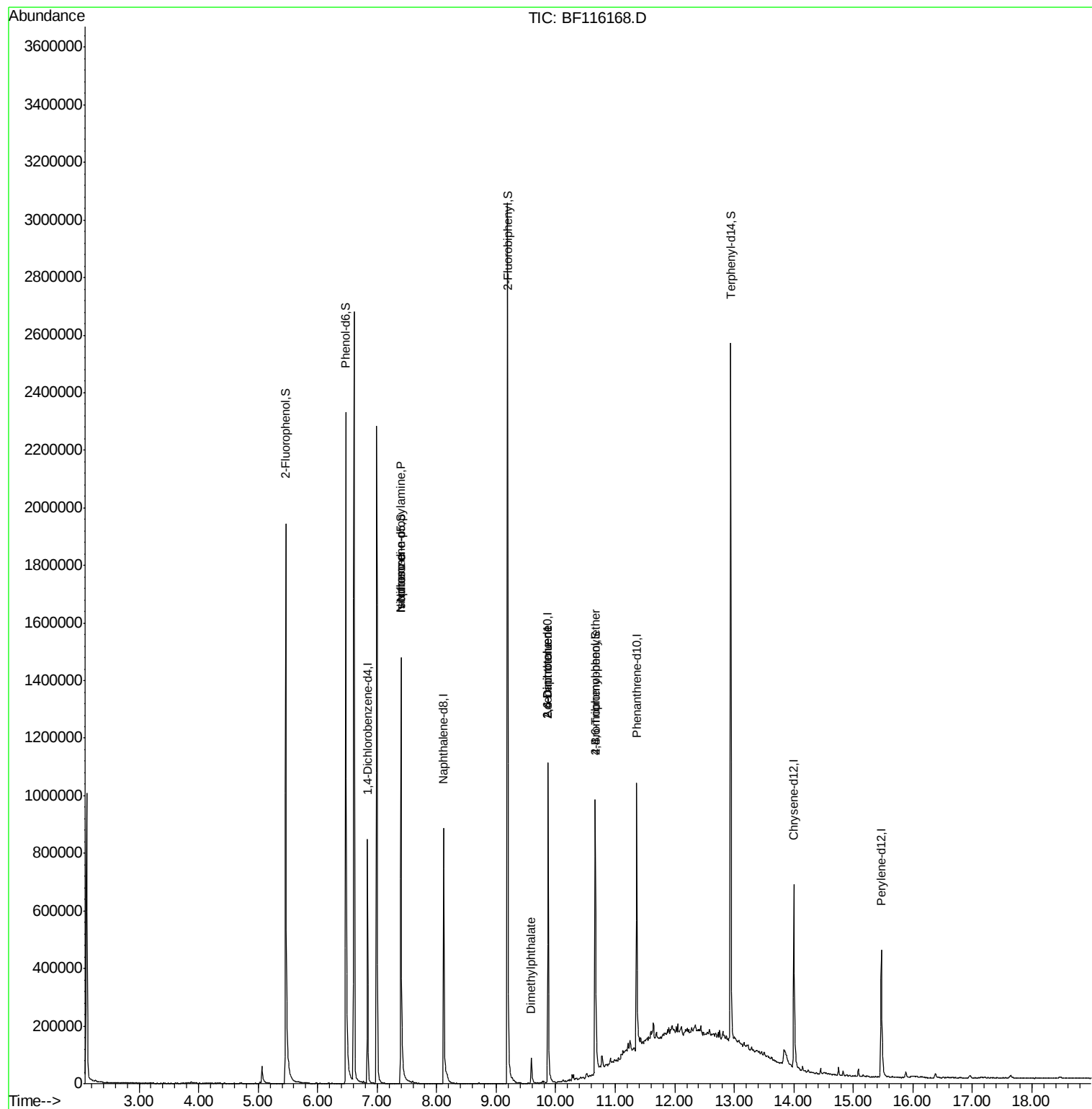
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	135925	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	521203	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	254831	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	381746	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	268477	20.00	ng	0.00
87) Perylene-d12	15.47	264	257473	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	670039	82.52	ng	0.00
7) Phenol-d6	6.47	99	909327	88.77	ng	-0.01
23) Nitrobenzene-d5	7.40	82	583868	64.66	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	148780	60.22	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1051378	77.28	ng	-0.01
79) Terphenyl-d14	12.94	244	843764	66.22	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	74601	11.752	ng	# 79
25) Isophorone	7.40	82	583865	33.817	ng	# 65
50) Dimethylphthalate	9.59	163	59407	3.424	ng	# 99
51) 2,6-Dinitrotoluene	9.87	165	32122	8.519	ng	# 29
57) 2,4-Dinitrotoluene	9.87	165	32122	6.398	ng	# 20
67) 4-Bromophenyl-phenylether	10.66	248	8903	2.179	ng	# 1

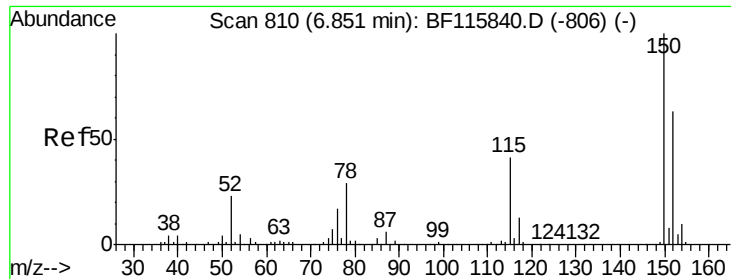
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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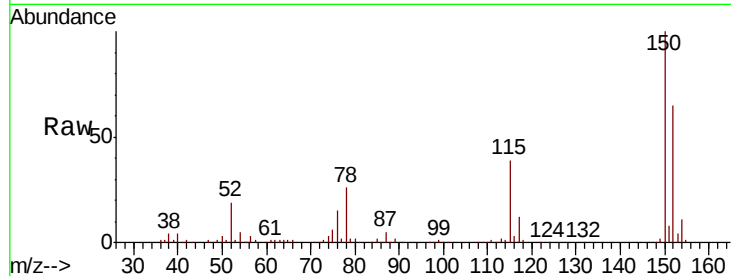


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116168.D
Acq: 11 Aug 2019 1:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	126.2	189.2
115	60.6	49.9	74.9

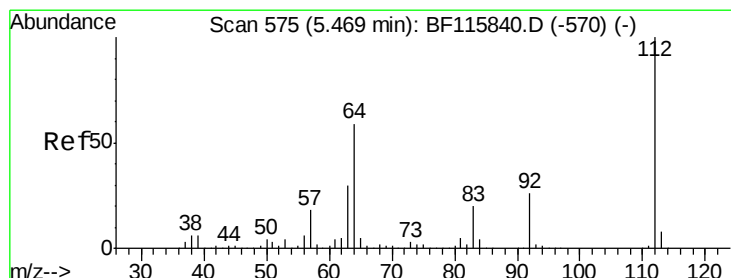
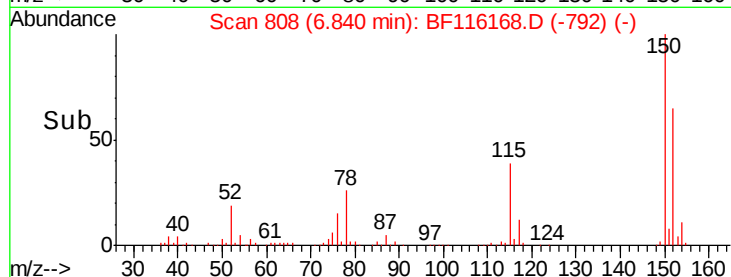
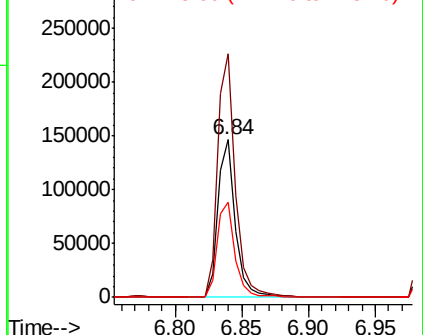


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

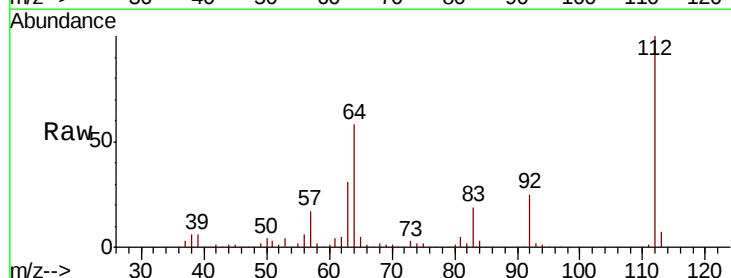
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 82.522 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.01 min
Lab File: BF116168.D
Acq: 11 Aug 2019 1:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.1	45.4	68.2
63	30.8	23.7	35.5

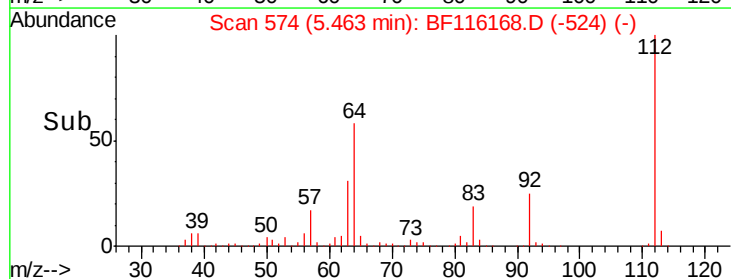
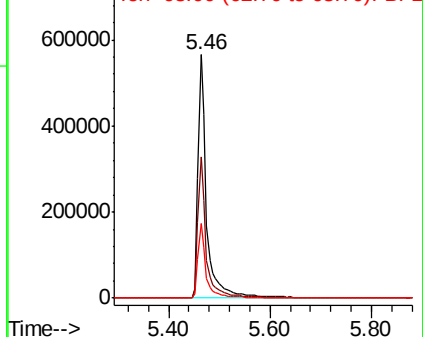


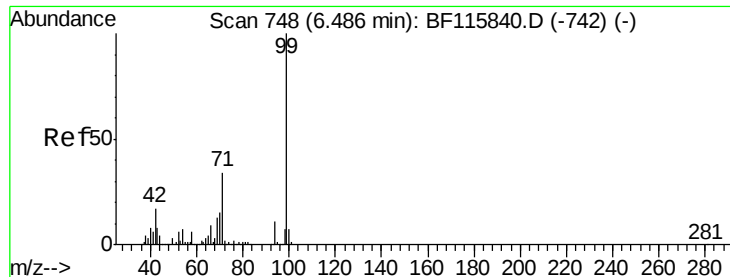
Abundance

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: 88.766 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116168.D

Acq: 11 Aug 2019 1:49

Instrument :

BNA_F

ClientSampleId :

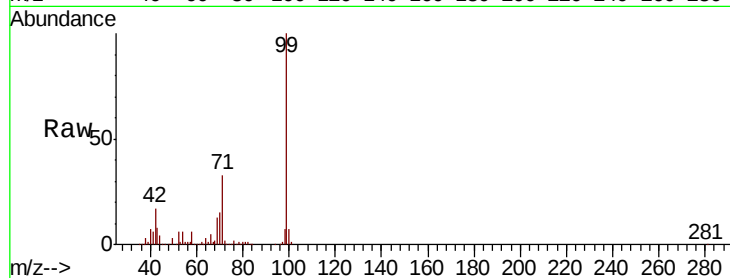
Tot Ion: 99 Resp: 909327

Ion Ratio Lower Upper

99 100

42 16.9 13.8 20.8

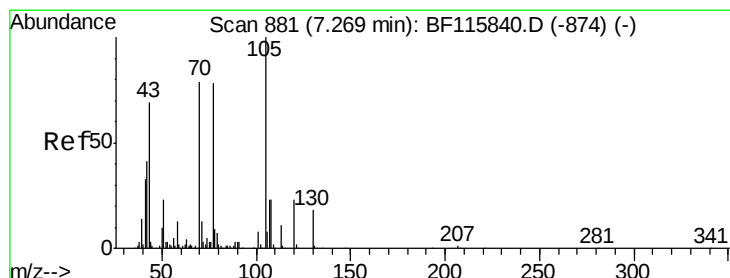
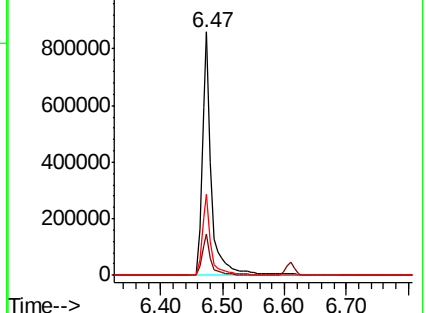
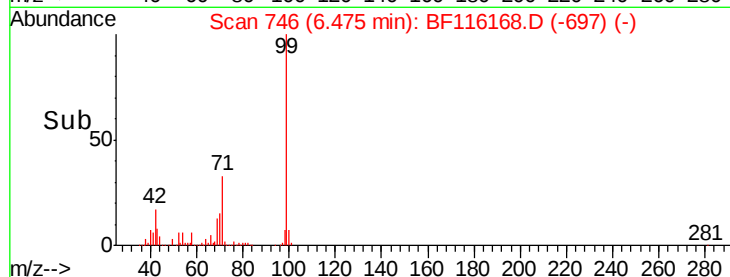
71 33.5 27.3 40.9



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: 11.752 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.13 min

Lab File: BF116168.D

Acq: 11 Aug 2019 1:49

Tgt Ion: 70 Resp: 74601

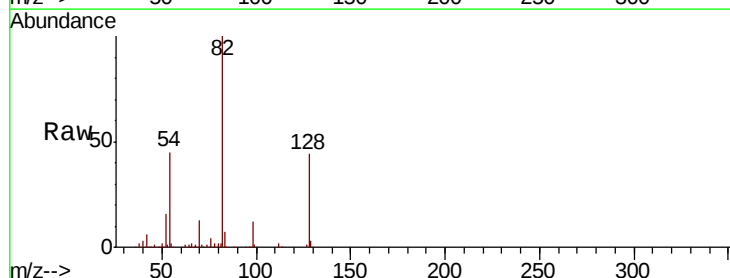
Ion Ratio Lower Upper

70 100

42 42.3 40.9 61.3

101 0.0 7.9 11.9#

130 2.2 16.9 25.3#

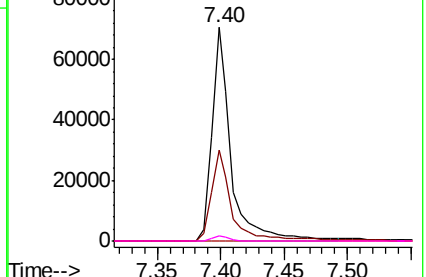
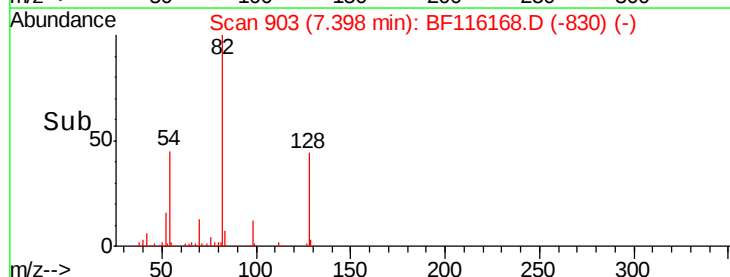


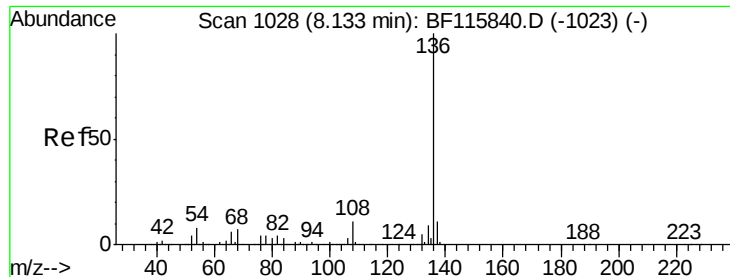
Abundance Ion 70.00 (69.70 to 70.70): BF1

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. -0.01 min

Lab File: BF116168.D

Acq: 11 Aug 2019 1:49

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 521203

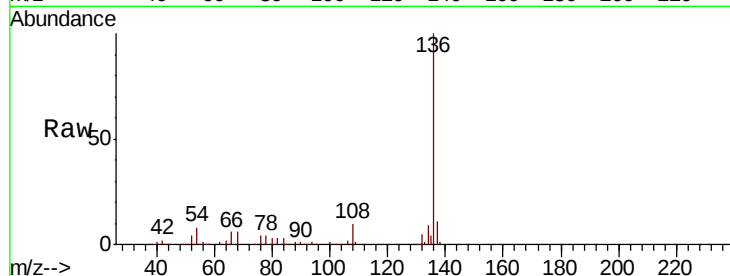
Ion Ratio Lower Upper

136 100

137 11.5 9.0 13.4

54 7.6 5.8 8.6

68 6.5 5.2 7.8

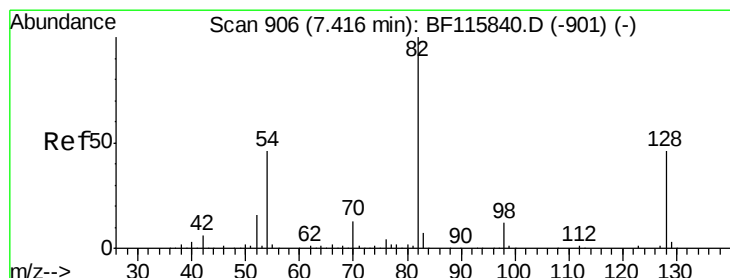
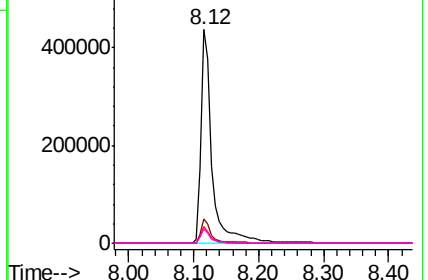
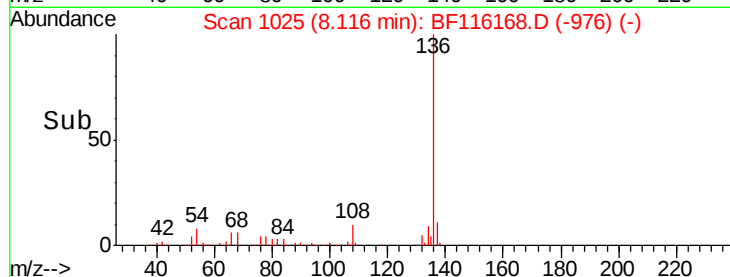


Abundance Ion 136.00 (135.70 to 136.70): E

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: 64.663 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.02 min

Lab File: BF116168.D

Acq: 11 Aug 2019 1:49

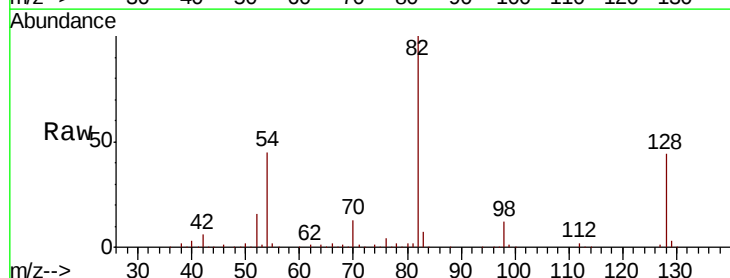
Tgt Ion: 82 Resp: 583868

Ion Ratio Lower Upper

82 100

128 43.9 36.5 54.7

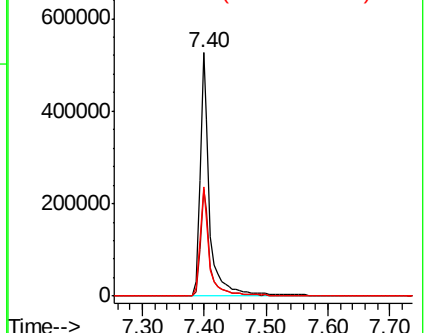
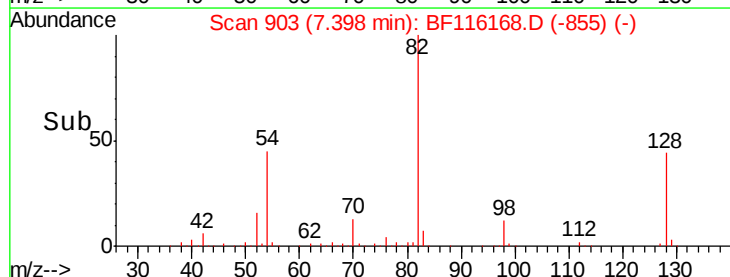
54 45.0 36.0 54.0

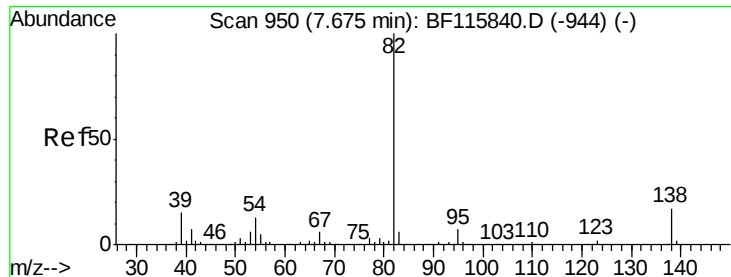


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 33.817 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.28 min

Lab File: BF116168.D

Acq: 11 Aug 2019 1:49

Instrument :

BNA_F

ClientSampleId :

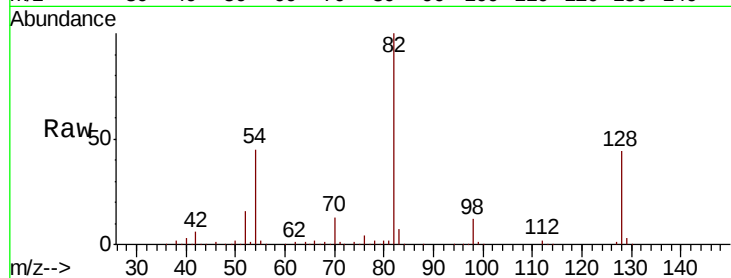
Tot Ion: 82 Resp: 583865

Ion Ratio Lower Upper

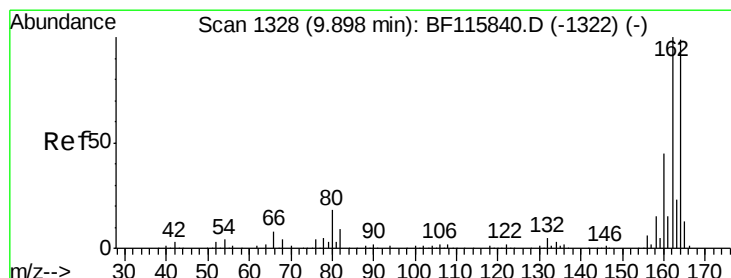
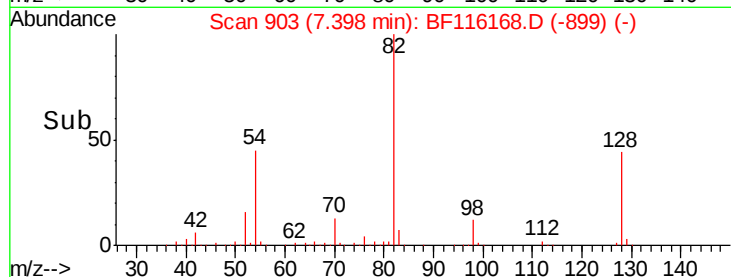
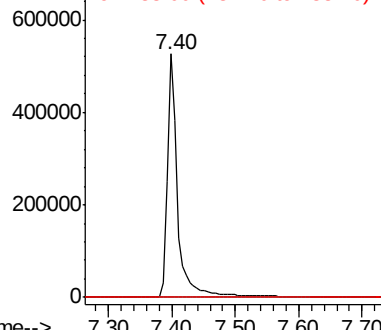
82 100

95 0.0 5.4 8.0#

138 0.0 14.5 21.7#



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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF116168.D

Acq: 11 Aug 2019 1:49

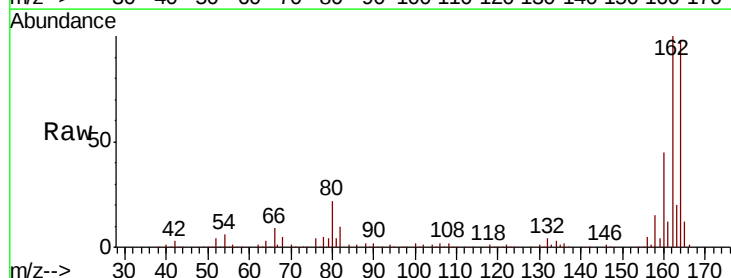
Tgt Ion: 164 Resp: 254831

Ion Ratio Lower Upper

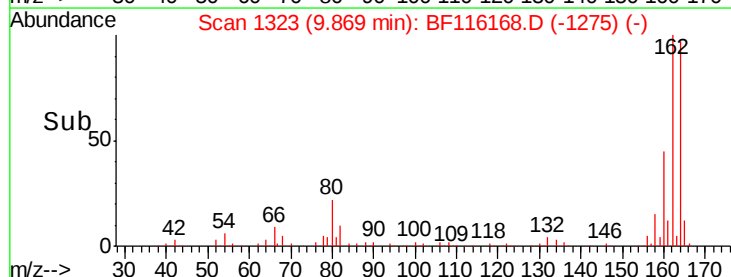
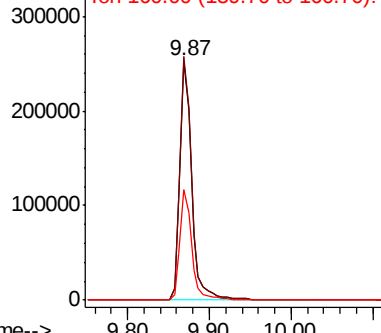
164 100

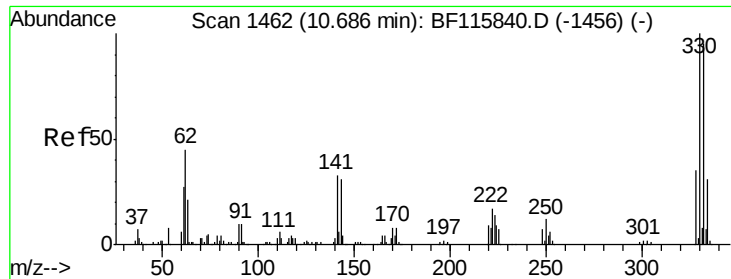
162 102.0 82.6 124.0

160 46.1 37.6 56.4



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: 60.219 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BF116168.D

Acq: 11 Aug 2019 1:49

Instrument :

BNA_F

ClientSampleId :

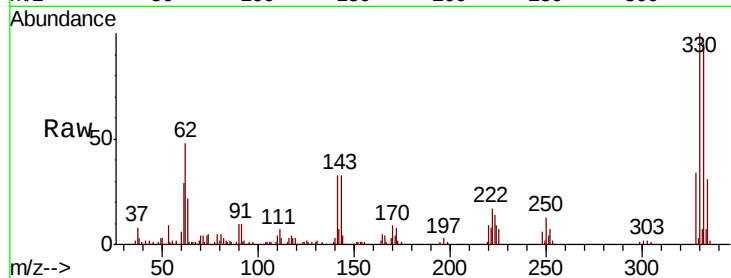
Tot Ion:330 Resp: 148780

Ion Ratio Lower Upper

330 100

332 94.8 76.8 115.2

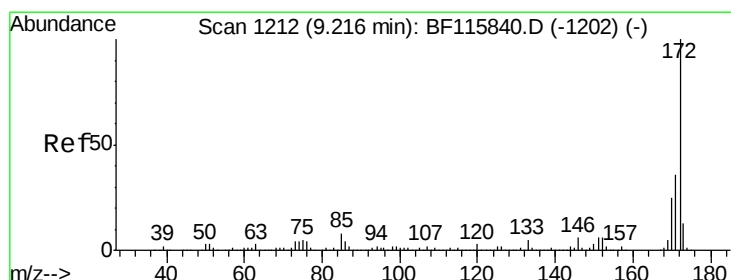
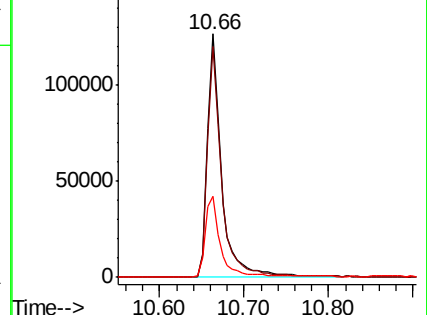
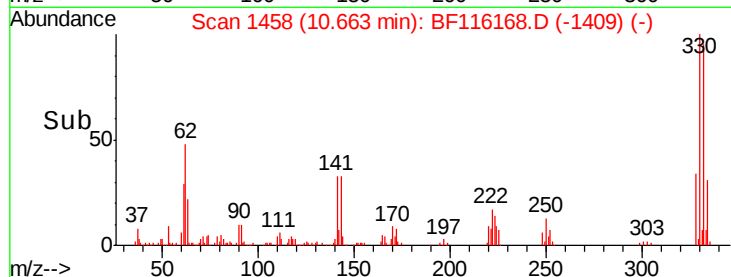
141 36.0 26.3 39.5



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: 77.279 ng

RT: 9.19 min Scan# 1208

Delta R.T. -0.01 min

Lab File: BF116168.D

Acq: 11 Aug 2019 1:49

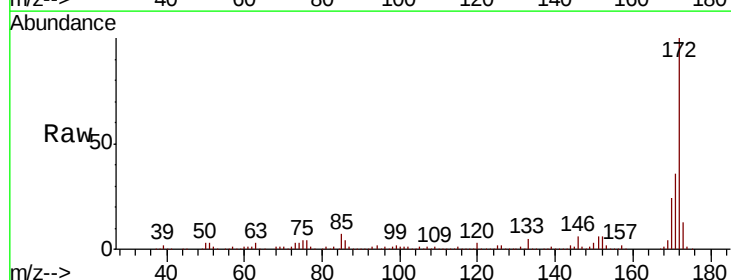
Tgt Ion:172 Resp: 1051378

Ion Ratio Lower Upper

172 100

171 36.4 29.6 44.4

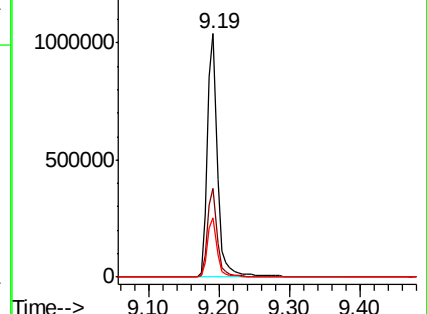
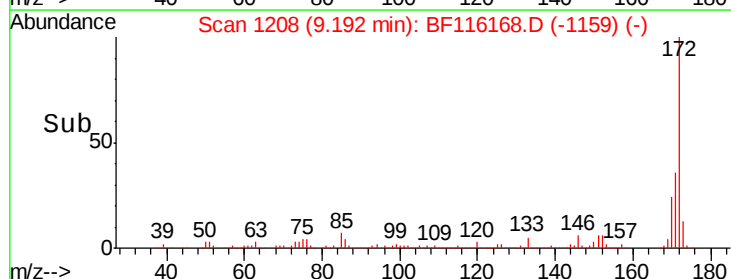
170 24.4 20.1 30.1

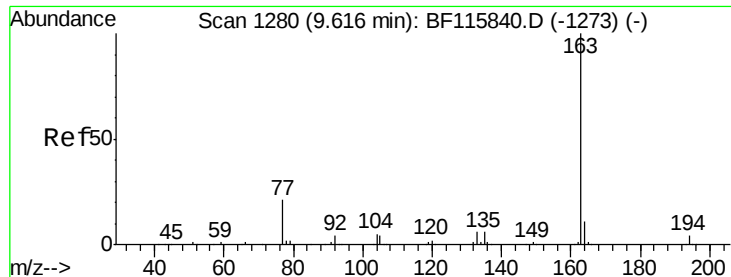


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

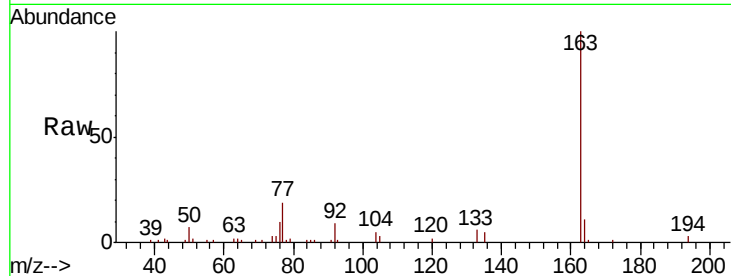




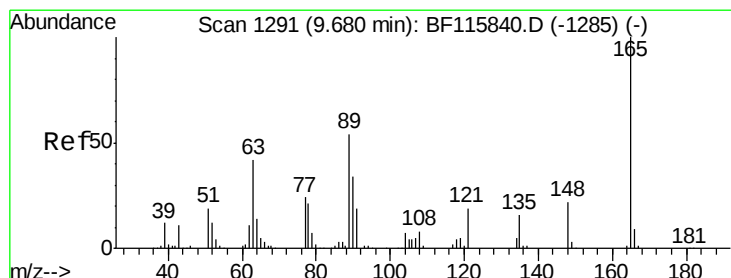
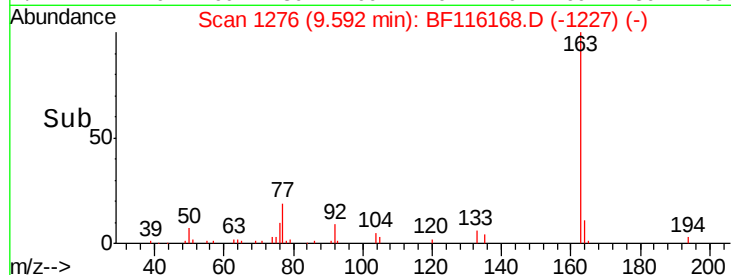
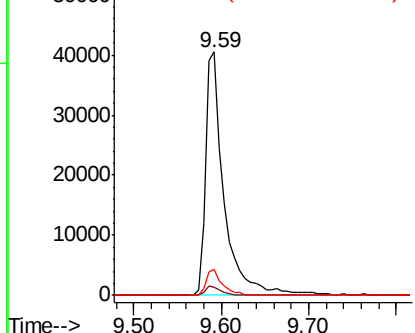
#50
Dimethylphthalate
Concen: 3.424 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.01 min
Lab File: BF116168.D
Acq: 11 Aug 2019 1:49

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 59407
Ion Ratio Lower Upper
163 100
194 3.2 3.0 4.6
164 10.8 8.4 12.6

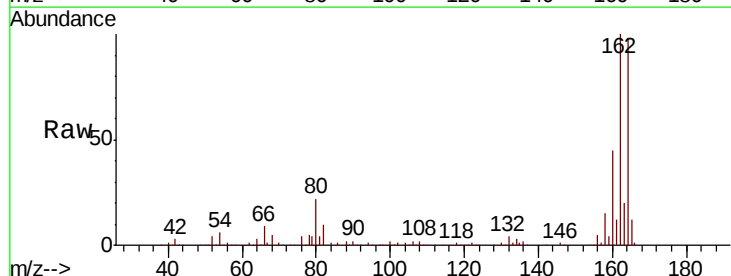


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

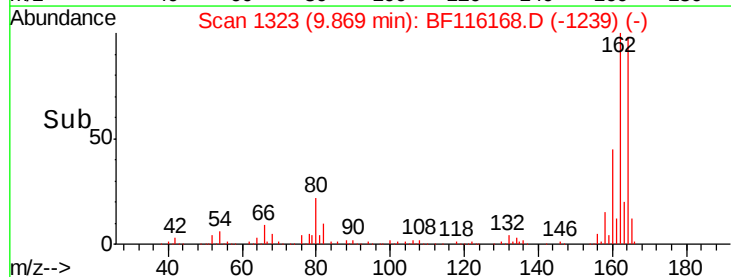
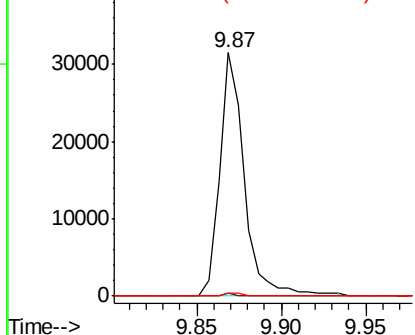


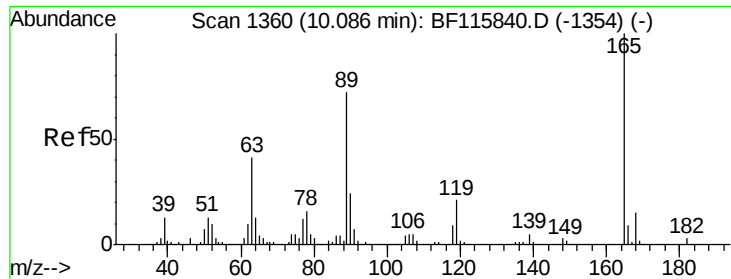
#51
2,6-Dinitrotoluene
Concen: 8.519 ng
RT: 9.87 min Scan# 1323
Delta R.T. 0.19 min
Lab File: BF116168.D
Acq: 11 Aug 2019 1:49

Tgt Ion:165 Resp: 32122
Ion Ratio Lower Upper
165 100
63 1.1 38.2 57.2#
89 1.4 42.9 64.3#



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

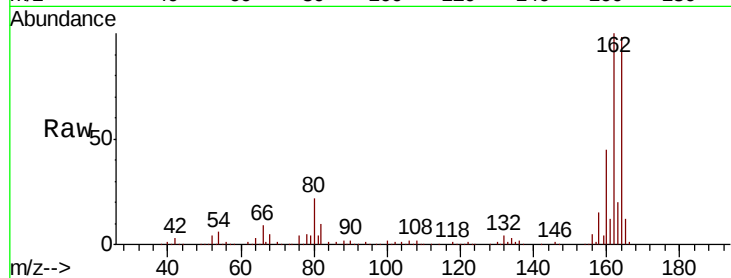




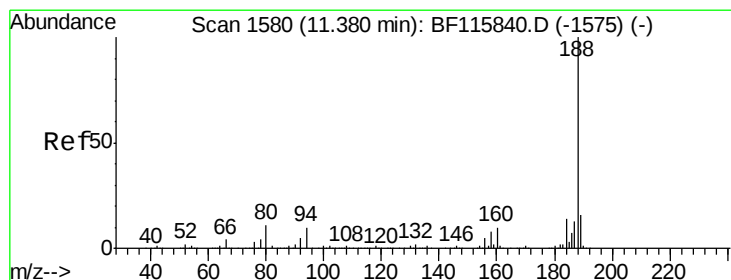
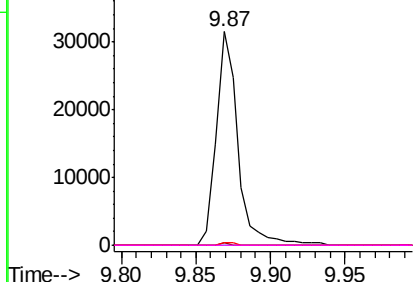
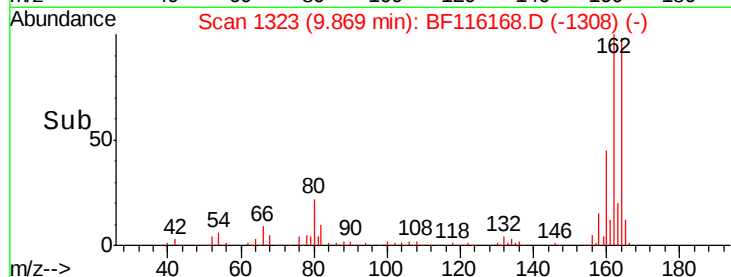
#57
 2,4-Dinitrotoluene
 Concen: 6.398 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF116168.D
 Acq: 11 Aug 2019 1:49

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion:165	Resp:	32122
Ion Ratio	Lower	Upper
165	100	
63	1.1	39.6 59.4#
89	1.4	62.2 93.2#
182	0.0	2.1 3.1#

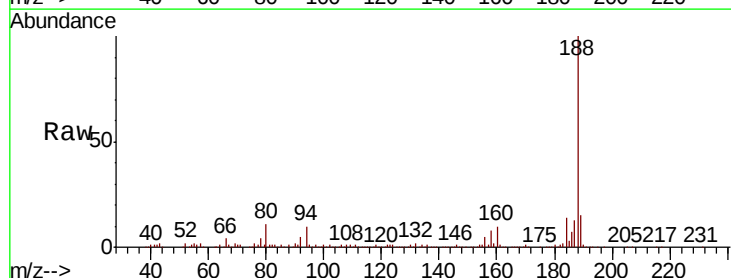


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

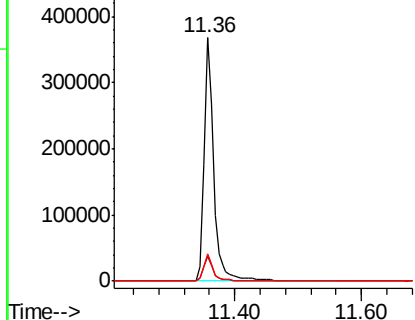
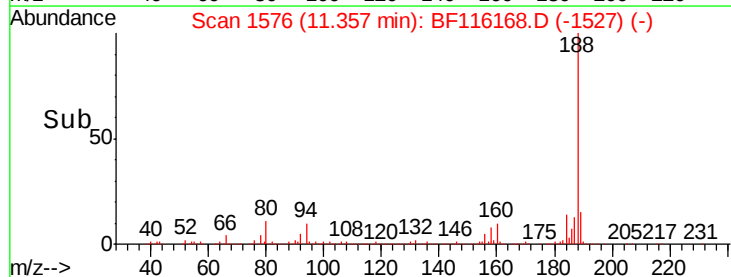


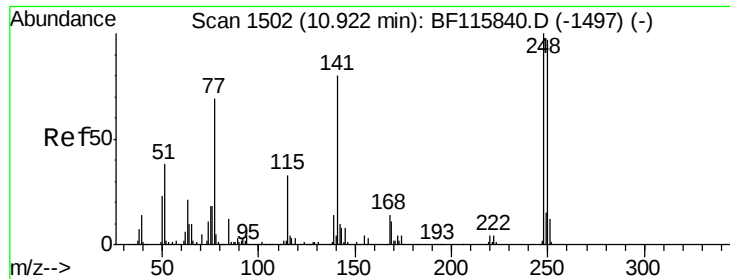
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF116168.D
 Acq: 11 Aug 2019 1:49

Tgt Ion:188	Resp:	381746
Ion Ratio	Lower	Upper
188	100	
94	10.1	8.1 12.1
80	11.2	8.7 13.1



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

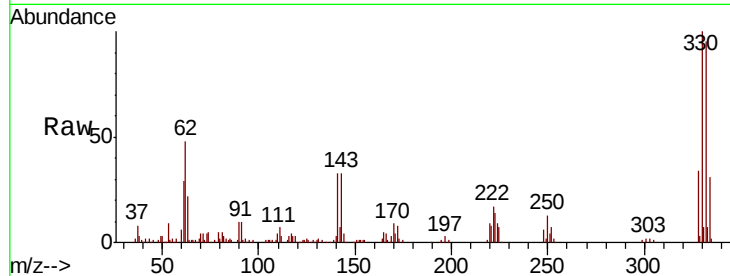




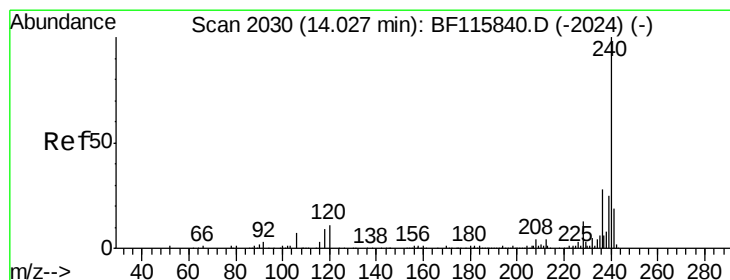
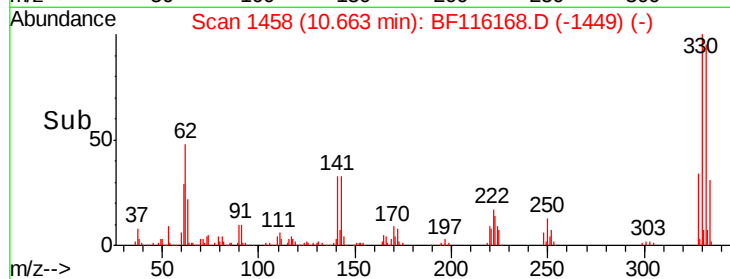
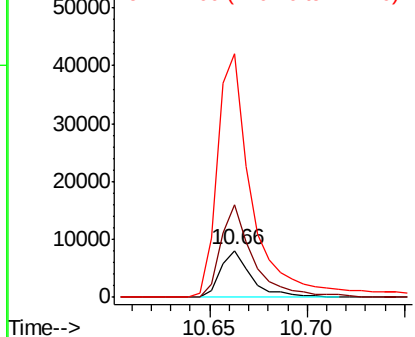
#67
4-Bromophenyl-phenylether
Concen: 2.179 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.25 min
Lab File: BF116168.D
Acq: 11 Aug 2019 1:49

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 8903
Ion Ratio Lower Upper
248 100
250 200.0 77.4 116.2#
141 523.7 56.8 85.2#

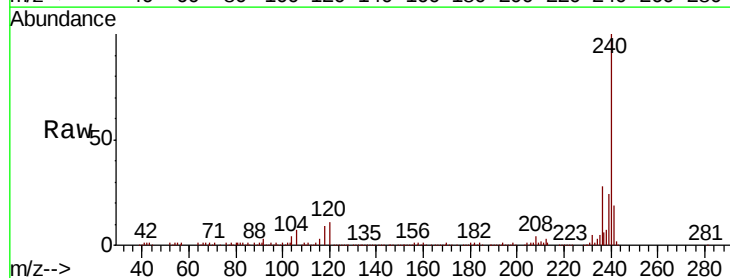


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

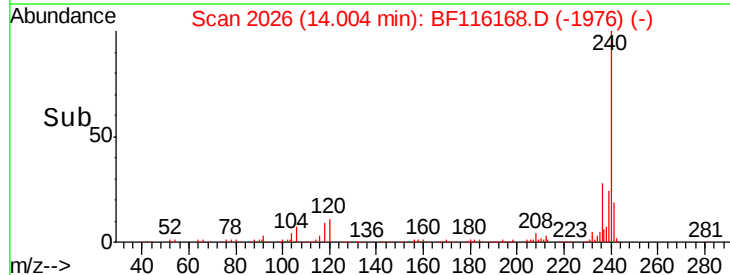
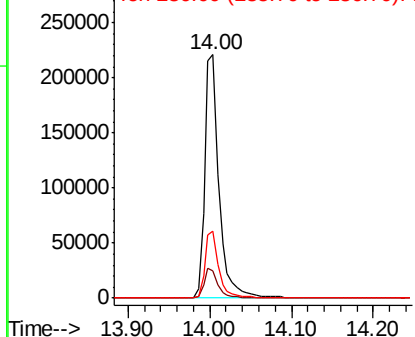


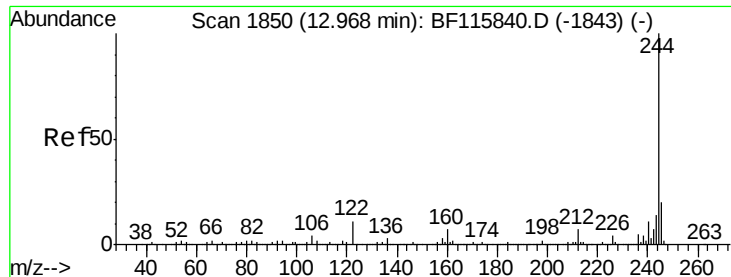
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF116168.D
Acq: 11 Aug 2019 1:49

Tgt Ion:240 Resp: 268477
Ion Ratio Lower Upper
240 100
120 11.0 10.7 16.1
236 27.7 22.2 33.2



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: 66.224 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF116168.D

Acq: 11 Aug 2019 1:49

Instrument :

BNA_F

ClientSampleId :

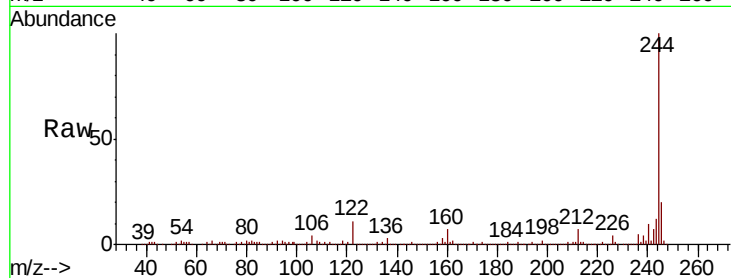
Tot Ion:244 Resp: 843764

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

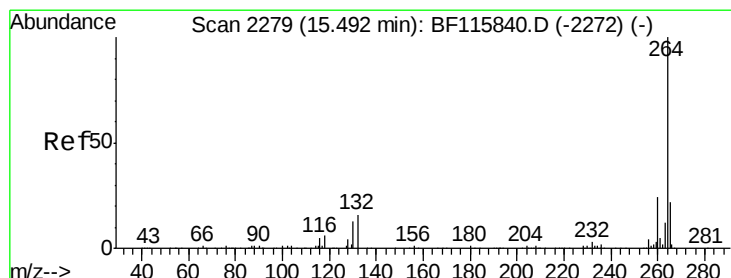
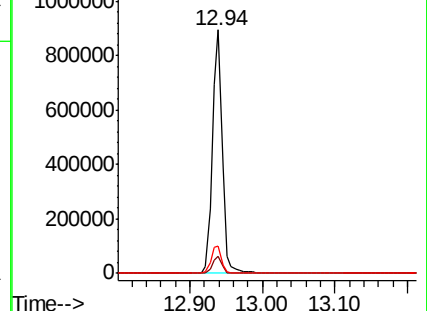
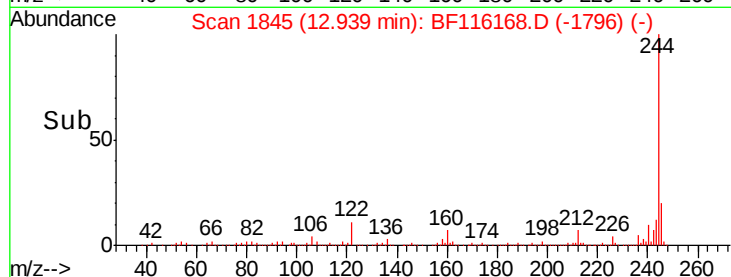
122 11.2 9.0 13.4



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: 15.47 min Scan# 2275

Delta R.T. -0.01 min

Lab File: BF116168.D

Acq: 11 Aug 2019 1:49

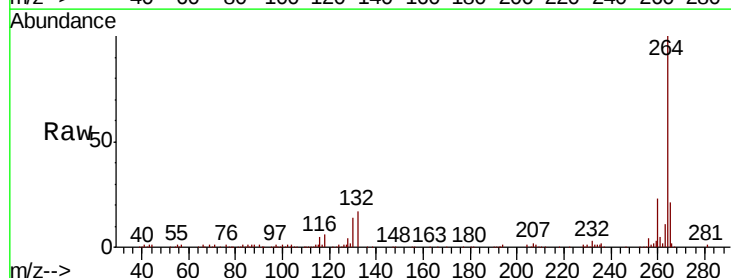
Tgt Ion:264 Resp: 257473

Ion Ratio Lower Upper

264 100

260 23.0 19.7 29.5

265 20.9 17.4 26.0



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

