

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
 Data File : BF116019.D
 Acq On : 6 Aug 2019 18:01
 Operator : HP/JU
 Sample : K4135-31
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 07 01:16:52 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

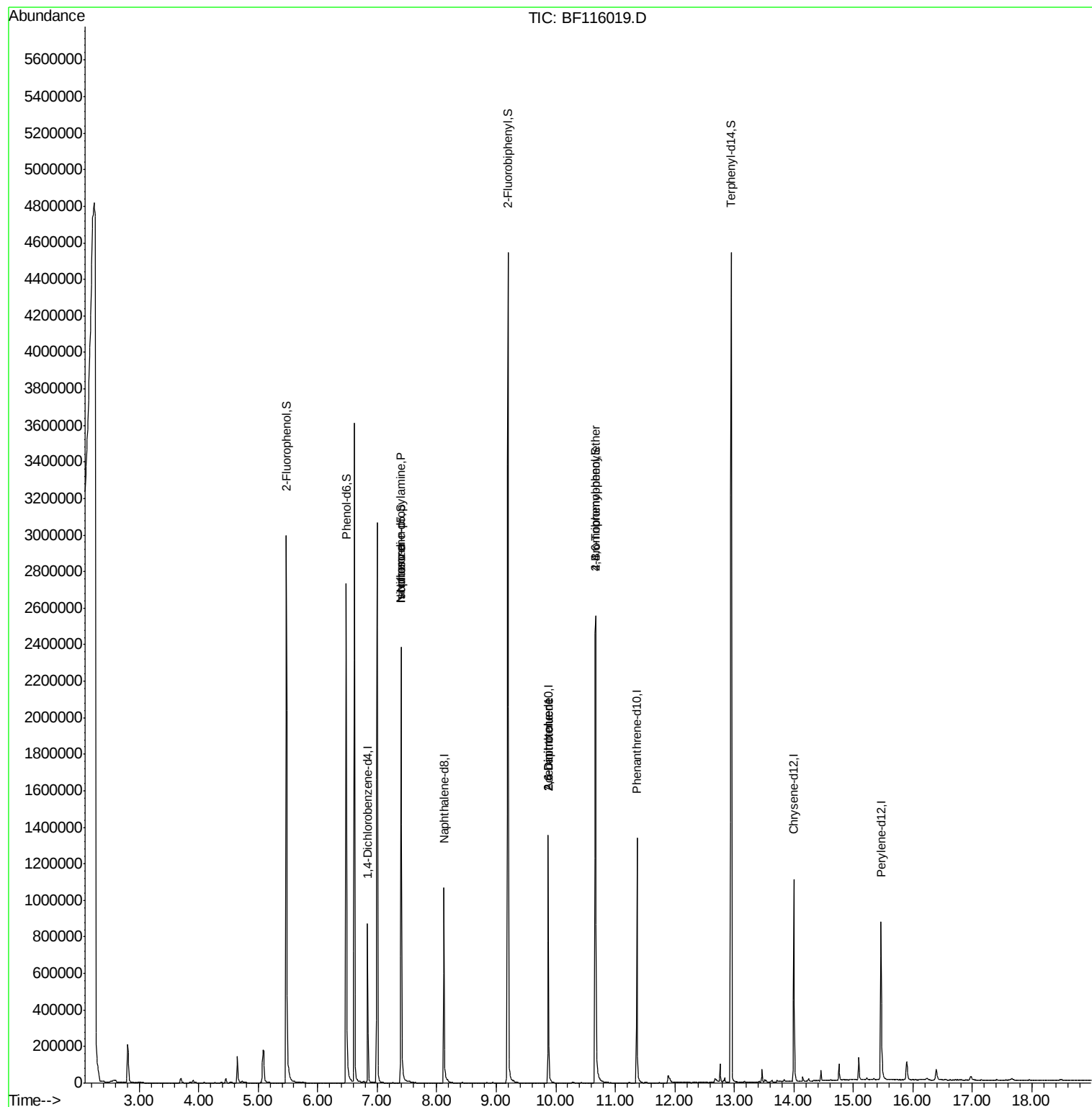
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	135471	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	518848	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	282648	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	516575	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	409685	20.00	ng	-0.03
87) Perylene-d12	15.46	264	416738	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	941270	116.32	ng	0.00
7) Phenol-d6	6.48	99	1096589	107.40	ng	0.00
23) Nitrobenzene-d5	7.40	82	886284	98.60	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	396506	144.69	ng	-0.02
45) 2-Fluorobiphenyl	9.20	172	1497295	99.22	ng	-0.02
79) Terphenyl-d14	12.94	244	1844758	94.88	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	118293	18.697	ng	# 77
25) Isophorone	7.40	82	886588	51.583	ng	# 66
51) 2,6-Dinitrotoluene	9.87	165	36260	8.670	ng	# 28
57) 2,4-Dinitrotoluene	9.87	165	36261	6.512	ng	# 25
67) 4-Bromophenyl-phenylether	10.67	248	23793	4.303	ng	# 1

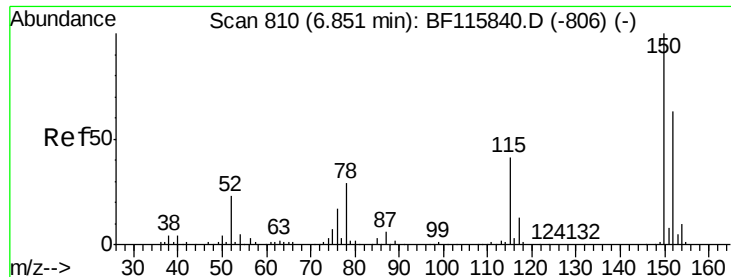
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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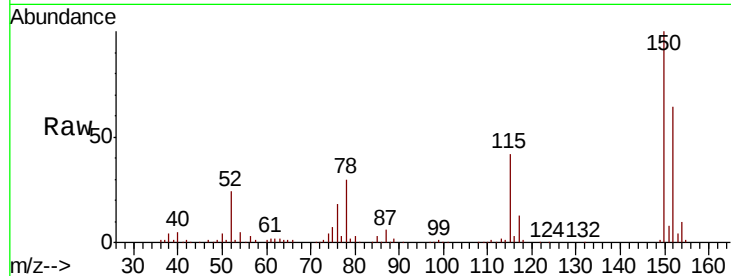


#1

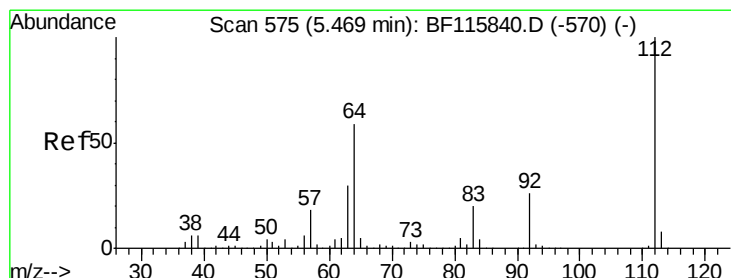
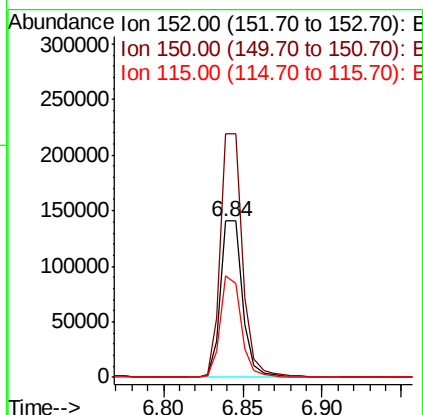
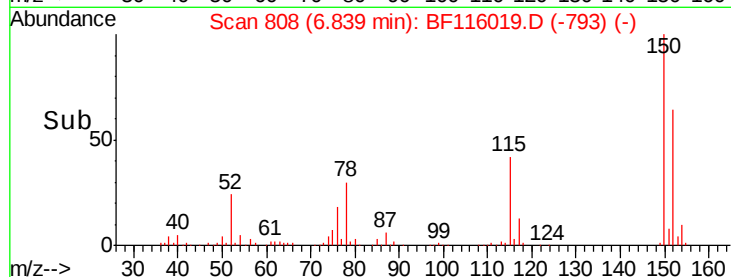
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.84 min Scan# 808
 Delta R.T. -0.01 min
 Lab File: BF116019.D
 Acq: 6 Aug 2019 18:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 135471
 Ion Ratio Lower Upper
 152 100
 150 155.3 127.4 191.0
 115 64.5 51.8 77.8



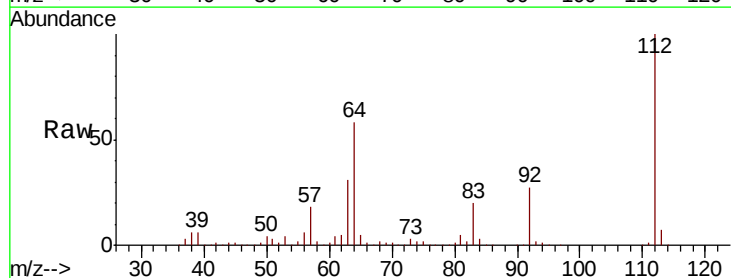
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



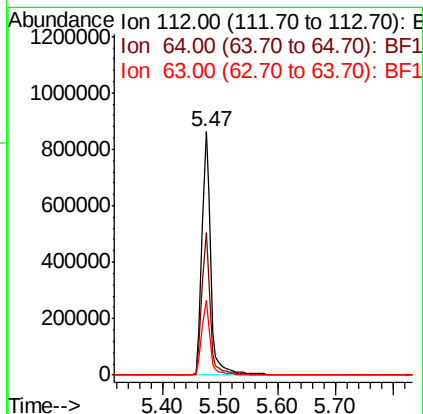
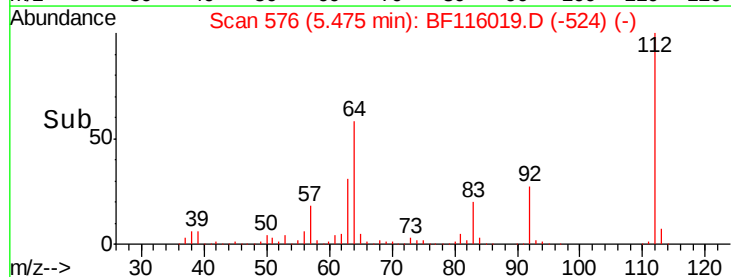
#5

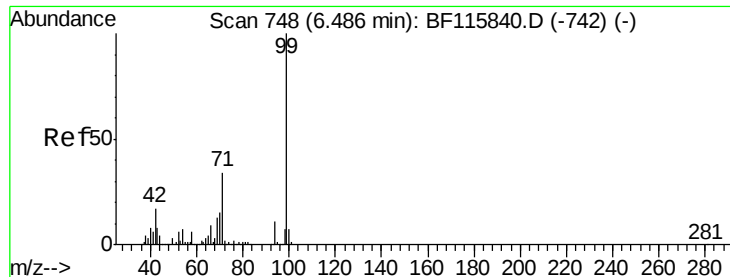
2-Fluorophenol
 Concen: 116.316 ng
 RT: 5.47 min Scan# 576
 Delta R.T. 0.01 min
 Lab File: BF116019.D
 Acq: 6 Aug 2019 18:01

Tgt Ion:112 Resp: 941270
 Ion Ratio Lower Upper
 112 100
 64 58.3 46.8 70.2
 63 30.6 24.2 36.2



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: 107.404 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116019.D

Acq: 6 Aug 2019 18:01

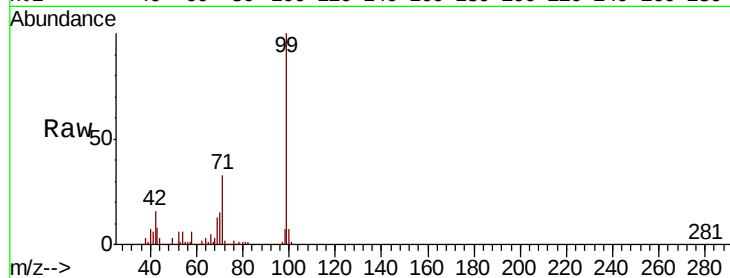
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1096589

Ion	Ratio	Lower	Upper
99	100		
42	16.4	13.8	20.6
71	33.4	27.1	40.7

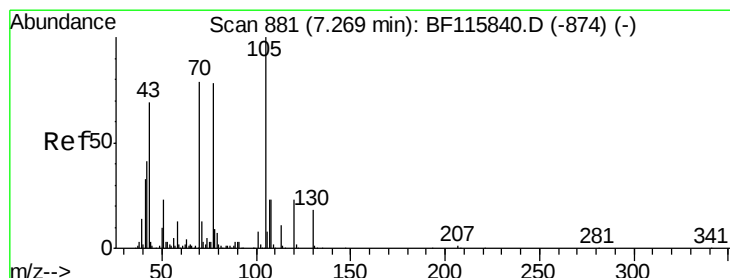
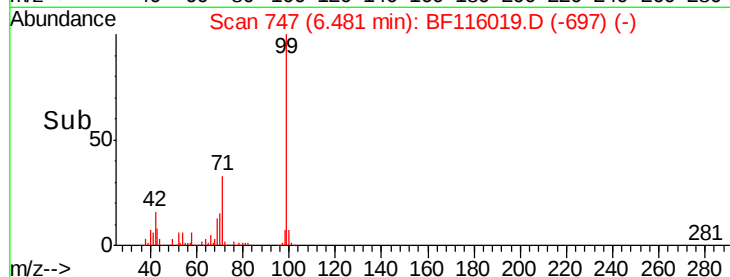
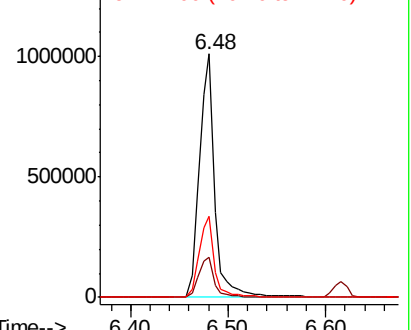


Abundance

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: 18.697 ng

RT: 7.40 min Scan# 904

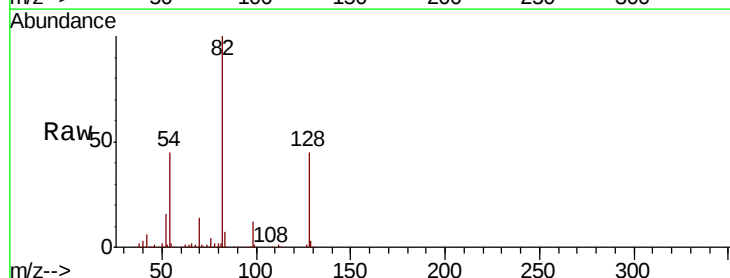
Delta R.T. 0.14 min

Lab File: BF116019.D

Acq: 6 Aug 2019 18:01

Tgt Ion: 70 Resp: 118293

Ion	Ratio	Lower	Upper
70	100		
42	42.7	41.8	62.8
101	0.0	7.7	11.5#
130	2.2	17.8	26.6#



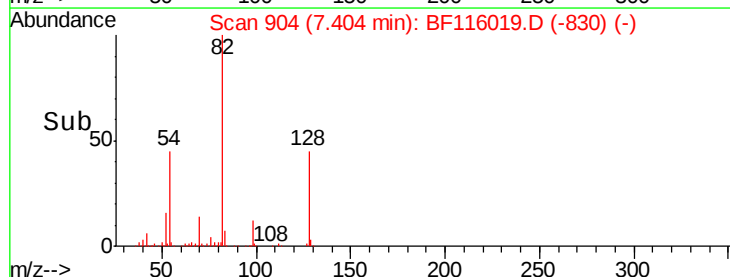
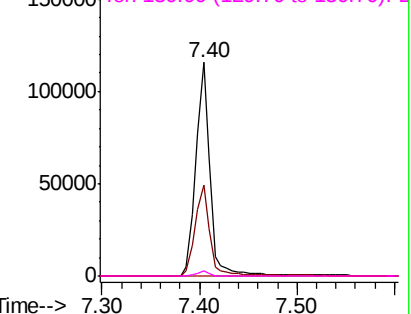
Abundance

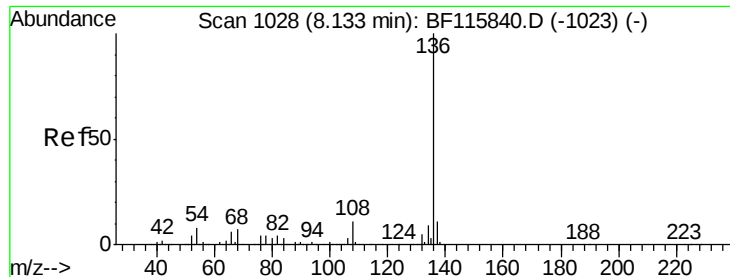
Ion 70.00 (69.70 to 70.70): BF1

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

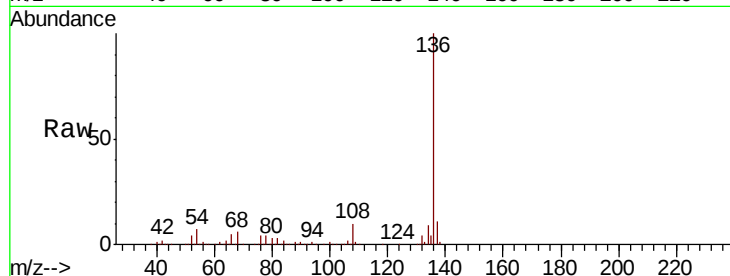




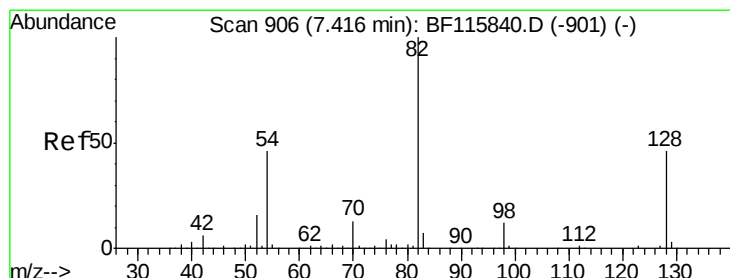
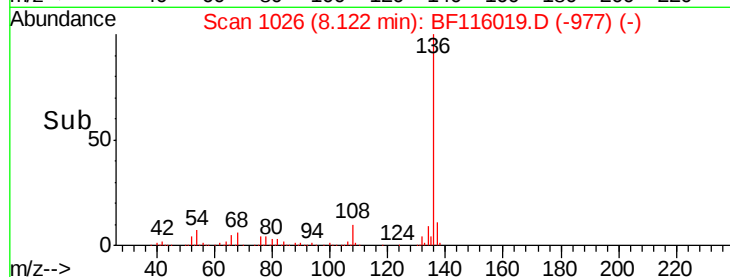
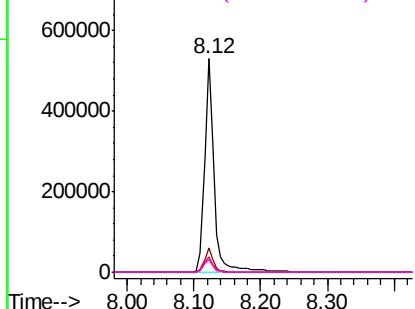
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF116019.D
Acq: 6 Aug 2019 18:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	518848
Ion	Ratio	Lower Upper
136	100	
137	11.4	9.1 13.7
54	7.3	6.1 9.1
68	6.1	5.4 8.2

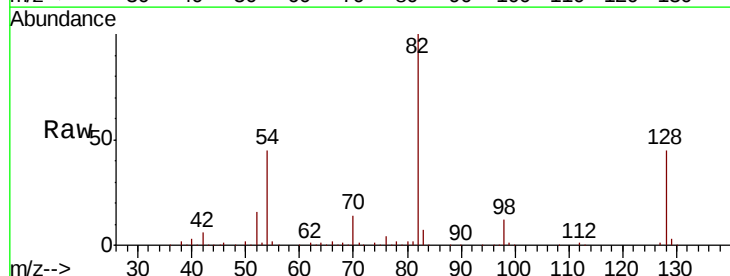


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

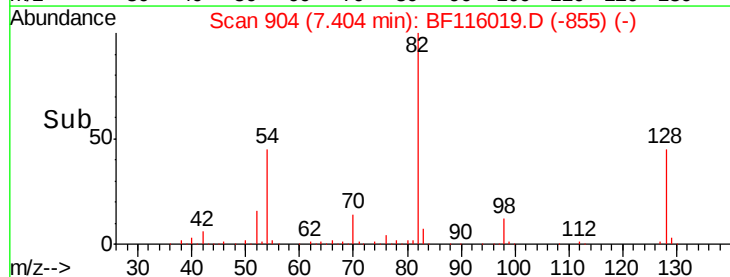
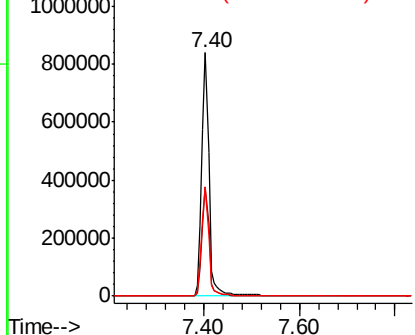


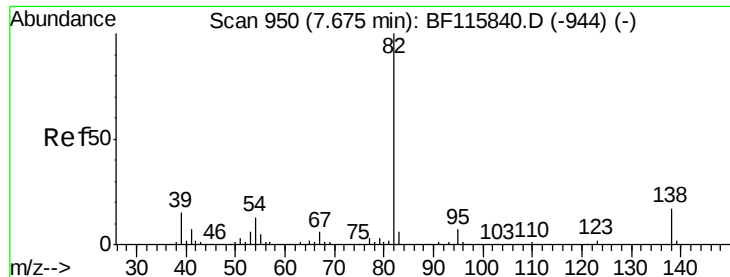
#23
Nitrobenzene-d5
Concen: 98.601 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116019.D
Acq: 6 Aug 2019 18:01

Tgt Ion: 82	Resp:	886284
Ion	Ratio	Lower Upper
82	100	
128	45.0	36.6 55.0
54	44.7	36.6 55.0



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: 51.583 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.27 min

Lab File: BF116019.D

Acq: 6 Aug 2019 18:01

Instrument :

BNA_F

ClientSampleId :

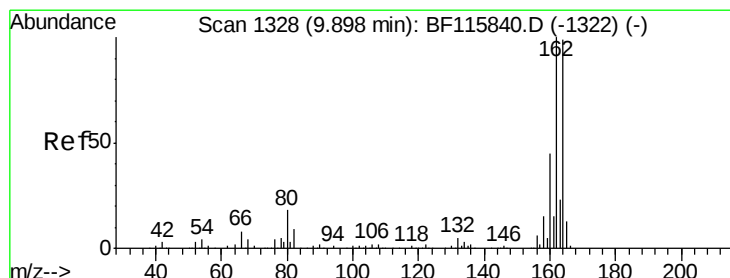
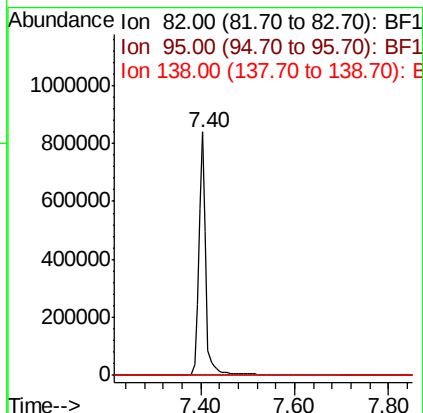
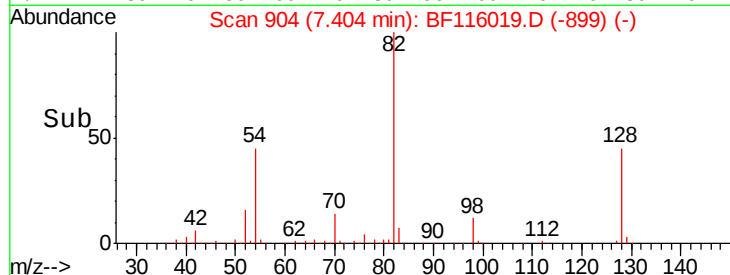
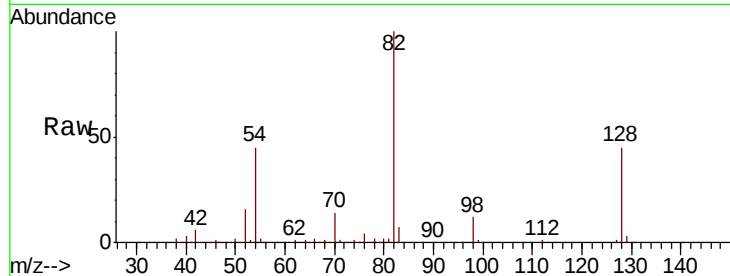
Tot Ion: 82 Resp: 886588

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 13.9 20.9#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.02 min

Lab File: BF116019.D

Acq: 6 Aug 2019 18:01

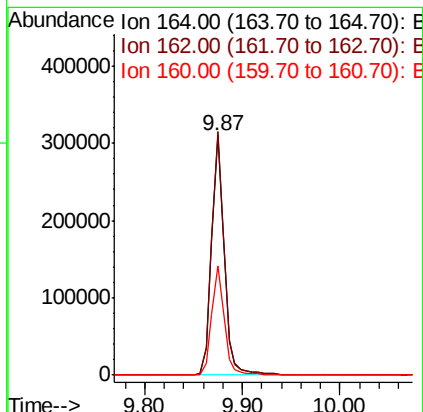
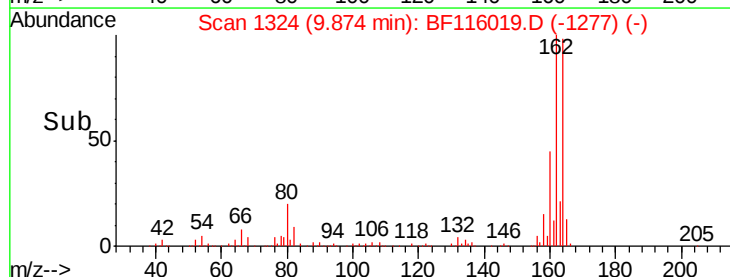
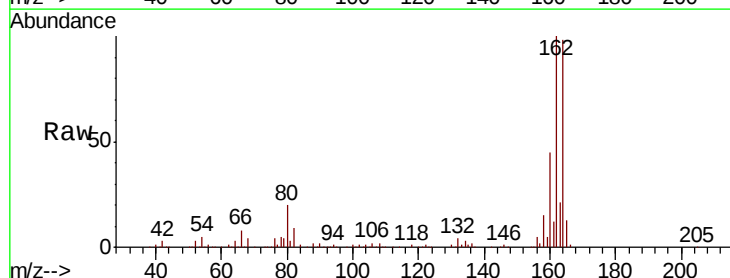
Tgt Ion:164 Resp: 282648

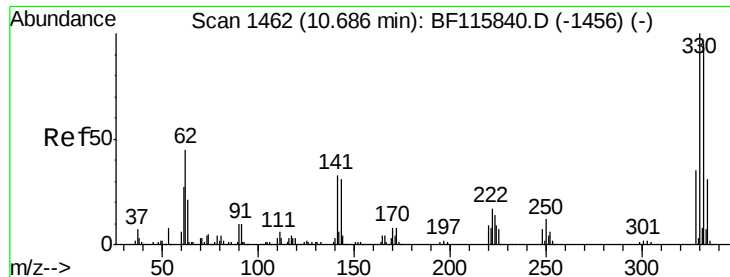
Ion Ratio Lower Upper

164 100

162 101.8 80.8 121.2

160 45.5 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 144.692 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.02 min

Lab File: BF116019.D

Acq: 6 Aug 2019 18:01

Instrument :

BNA_F

ClientSampleId :

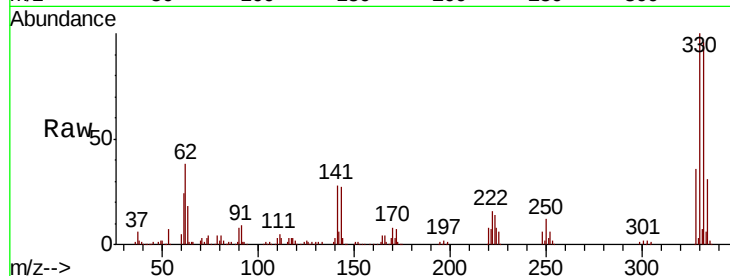
Tot Ion:330 Resp: 396506

Ion Ratio Lower Upper

330 100

332 95.2 77.7 116.5

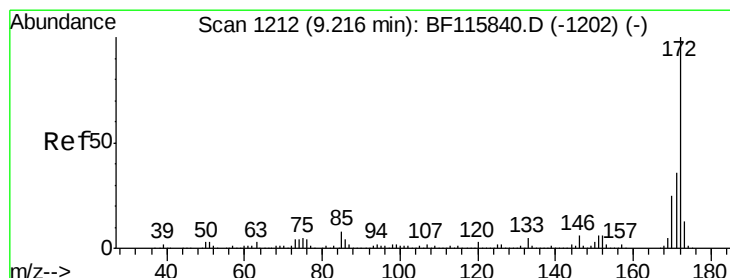
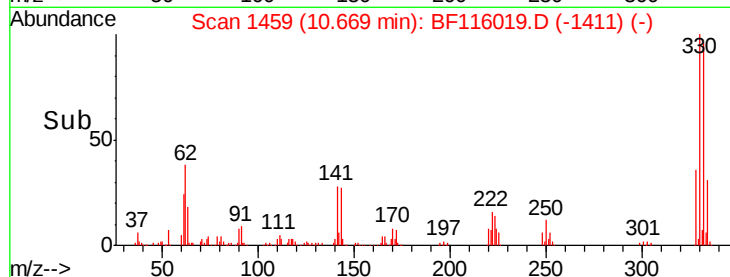
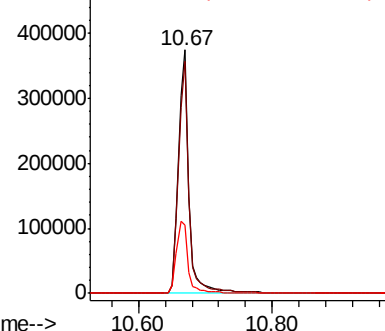
141 33.4 28.1 42.1



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: 99.224 ng

RT: 9.20 min Scan# 1209

Delta R.T. -0.02 min

Lab File: BF116019.D

Acq: 6 Aug 2019 18:01

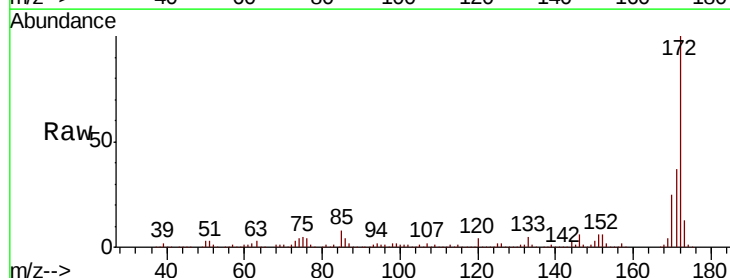
Tgt Ion:172 Resp: 1497295

Ion Ratio Lower Upper

172 100

171 36.7 29.1 43.7

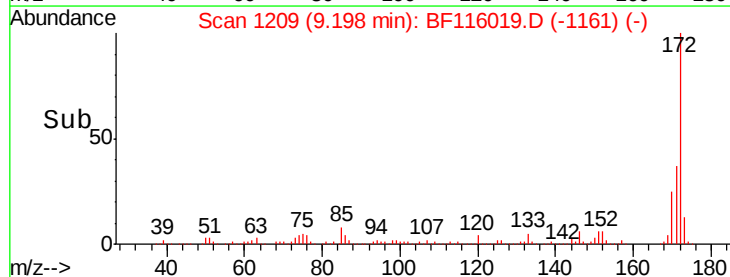
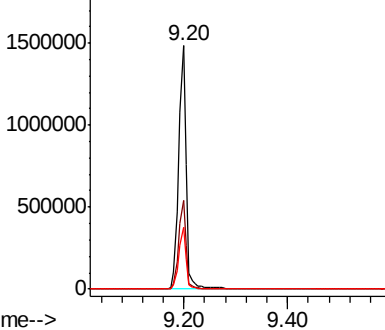
170 25.2 20.1 30.1

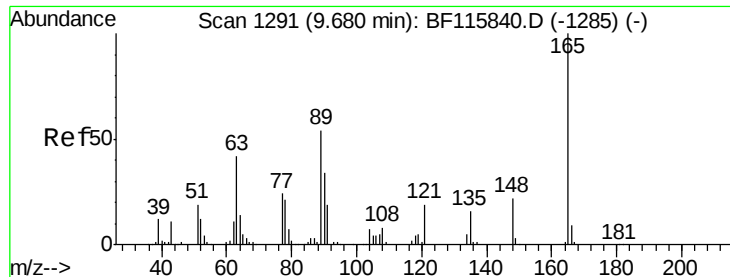


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

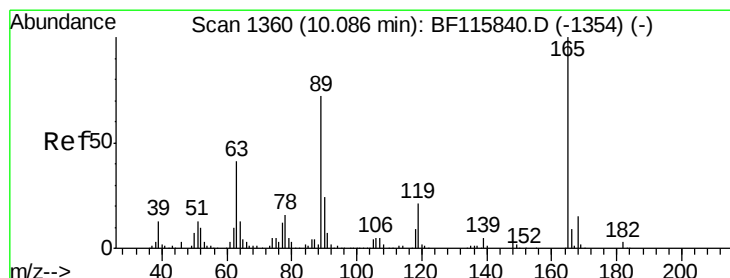
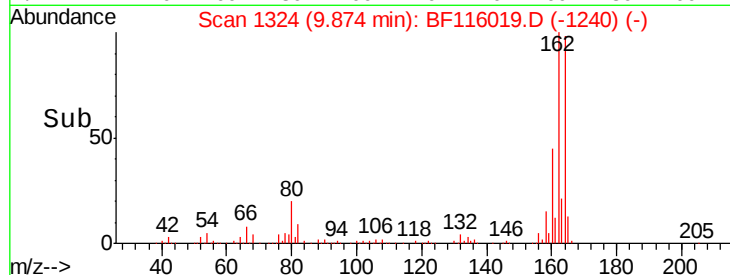
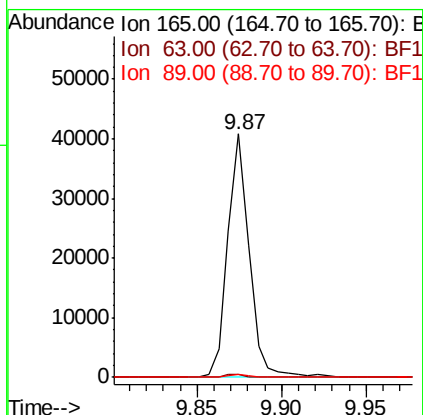
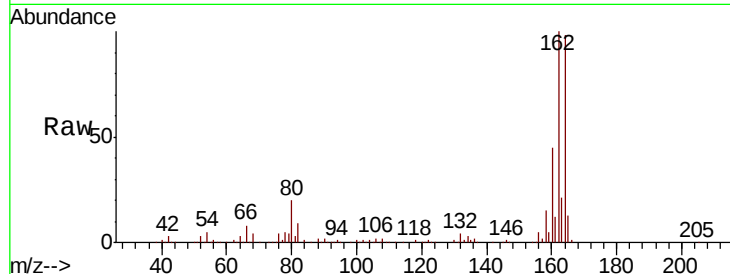




#51
 2,6-Dinitrotoluene
 Concen: 8.670 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. 0.19 min
 Lab File: BF116019.D
 Acq: 6 Aug 2019 18:01

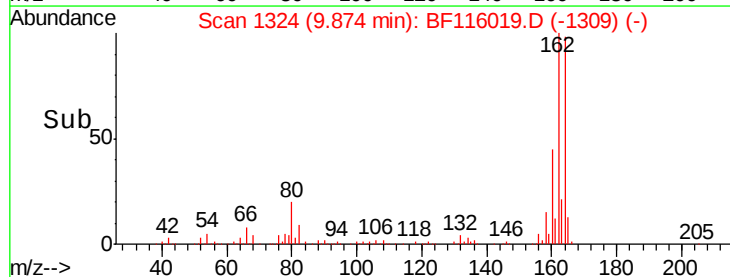
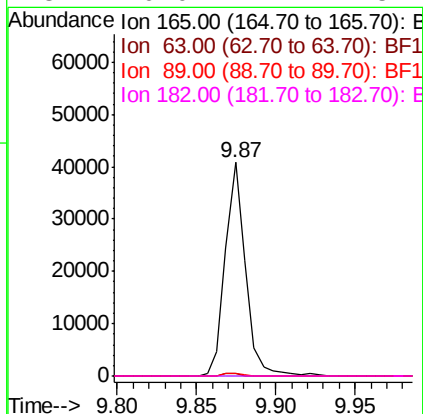
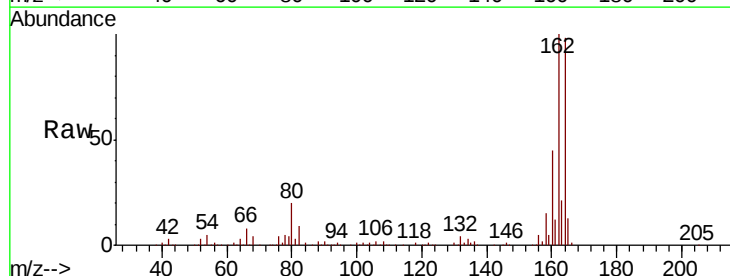
Instrument :
 BNA_F
 ClientSampleId :

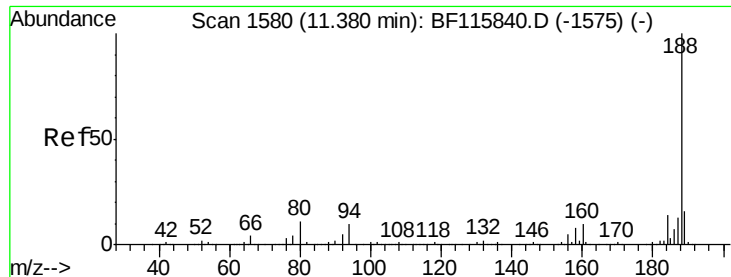
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	39.4	59.2#
89	1.4	43.0	64.6#



#57
 2,4-Dinitrotoluene
 Concen: 6.512 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.21 min
 Lab File: BF116019.D
 Acq: 6 Aug 2019 18:01

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	33.2	49.8#
89	1.4	57.3	85.9#
182	0.0	2.1	3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.02 min

Lab File: BF116019.D

Acq: 6 Aug 2019 18:01

Instrument :

BNA_F

ClientSampleId :

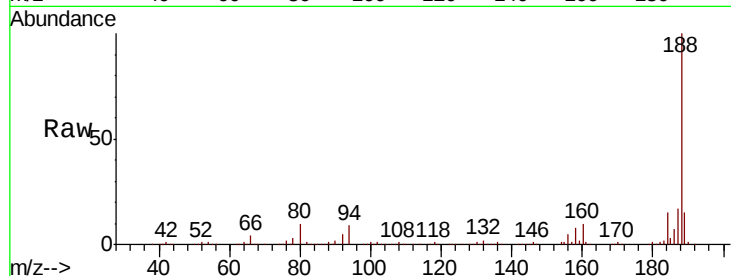
Tot Ion:188 Resp: 516575

Ion Ratio Lower Upper

188 100

94 9.0 8.0 12.0

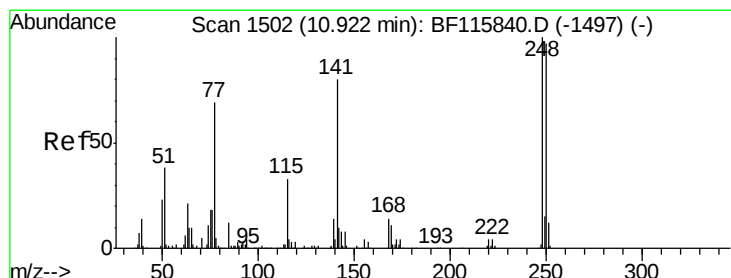
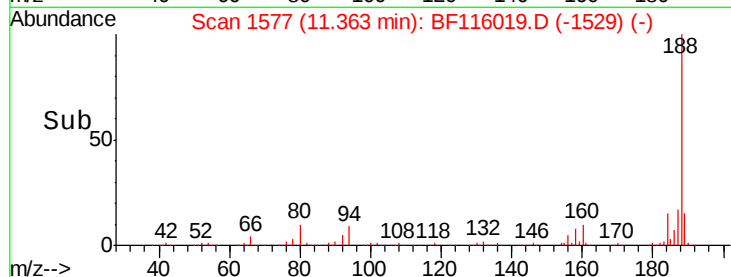
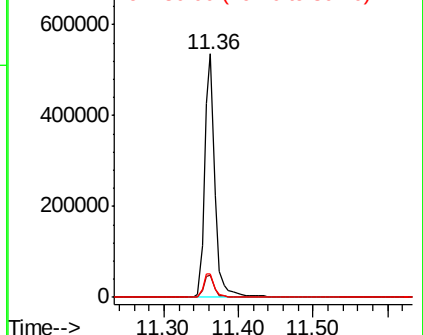
80 9.7 8.6 12.8



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: 4.303 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.25 min

Lab File: BF116019.D

Acq: 6 Aug 2019 18:01

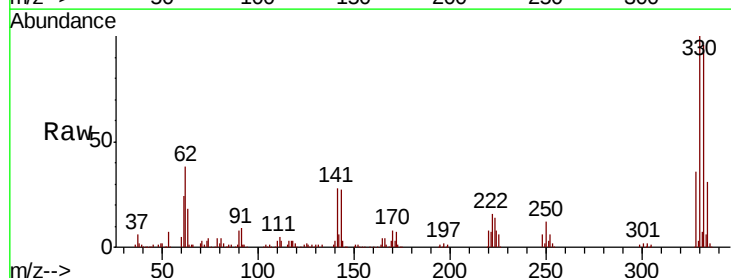
Tgt Ion:248 Resp: 23793

Ion Ratio Lower Upper

248 100

250 200.1 77.8 116.6#

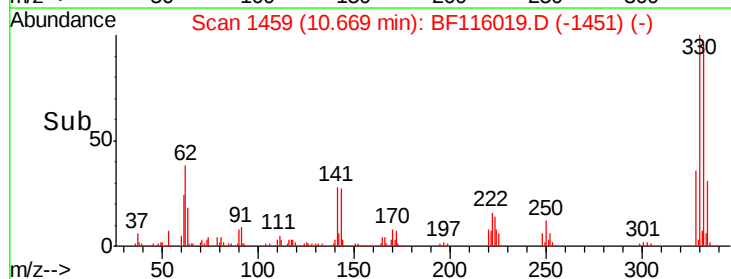
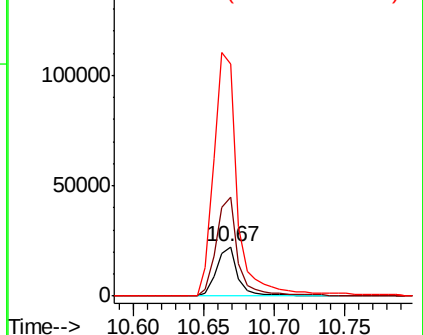
141 468.7 64.3 96.5#

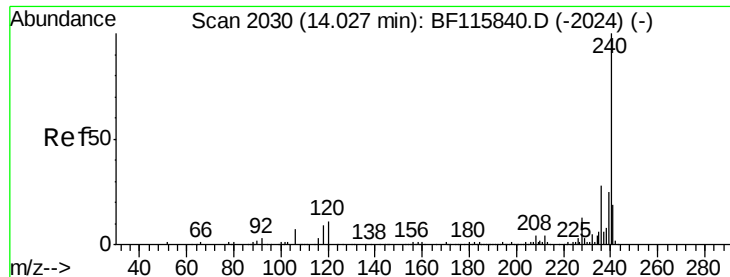


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

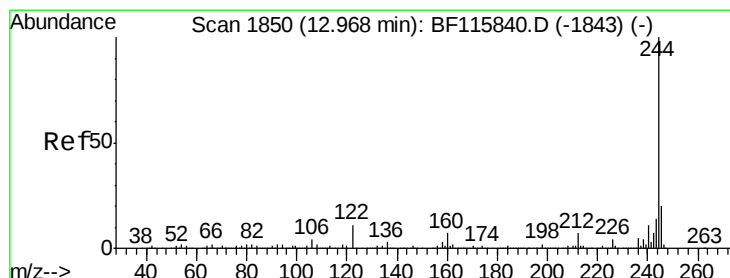
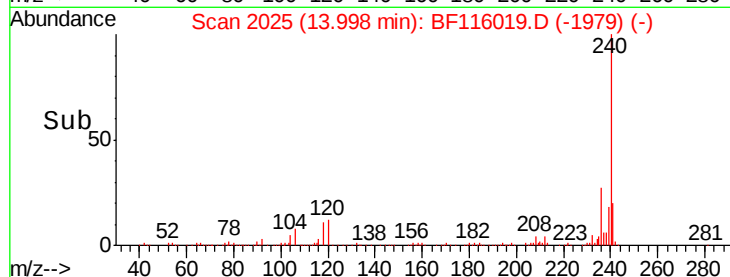
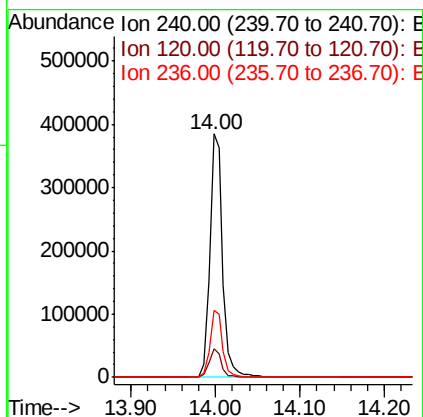
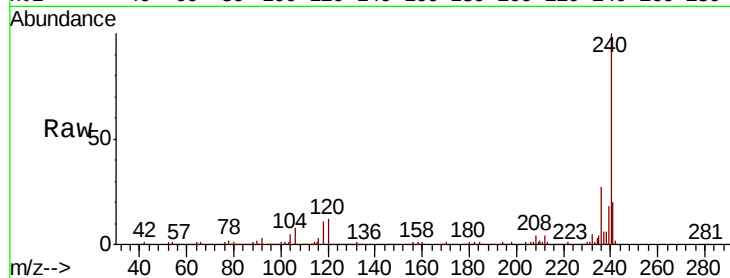




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.03 min
 Lab File: BF116019.D
 Acq: 6 Aug 2019 18:01

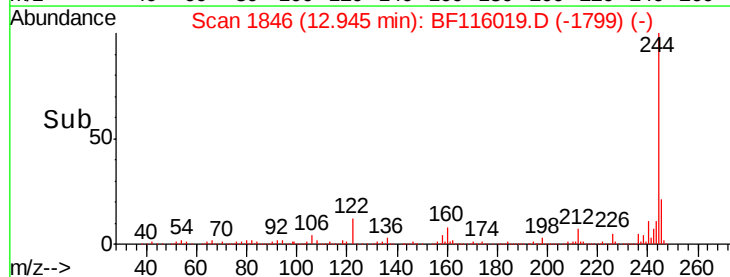
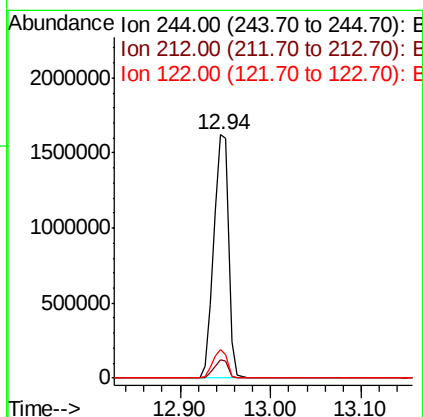
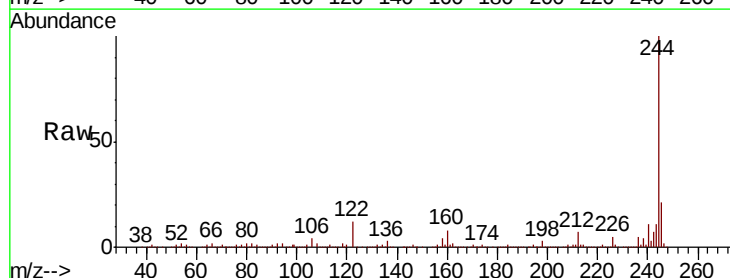
Instrument :
 BNA_F
 ClientSampleId :

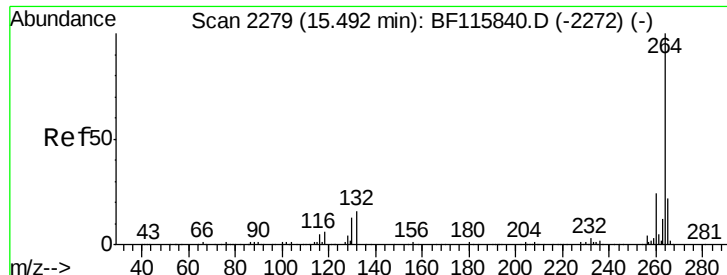
Tot Ion:240 Resp: 409685
 Ion Ratio Lower Upper
 240 100
 120 12.0 8.5 12.7
 236 27.5 22.2 33.2



#79
 Terphenyl-d14
 Concen: 94.883 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. -0.02 min
 Lab File: BF116019.D
 Acq: 6 Aug 2019 18:01

Tgt Ion:244 Resp: 1844758
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.6 8.4
 122 11.9 8.6 13.0

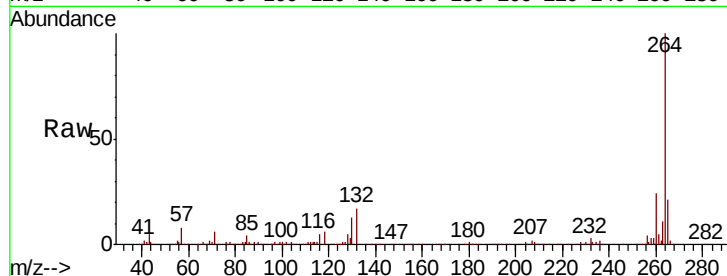




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.03 min
Lab File: BF116019.D
Acq: 6 Aug 2019 18:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.4	29.2
265	21.3	17.5	26.3



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

