

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090519\
 Data File : BF116829.D
 Acq On : 5 Sep 2019 11:22
 Operator : HP/JU
 Sample : PB122759TB
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 05 14:22:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

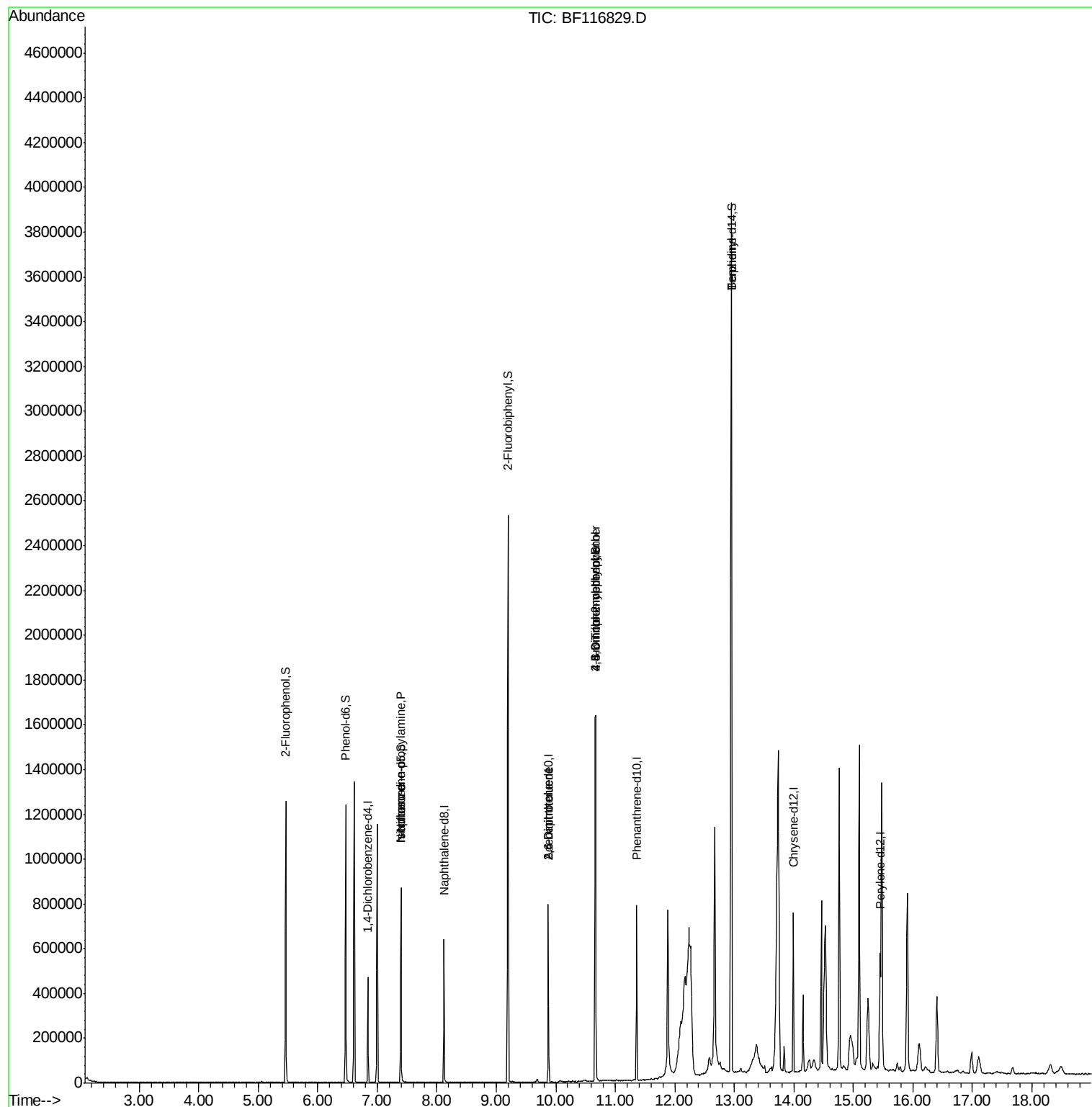
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	72968	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	293844	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	155559	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	261008	20.00	ng	-0.01
76) Chrysene-d12	13.99	240	216654	20.00	ng	0.00
87) Perylene-d12	15.44	264	221197	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	332867	73.90	ng	0.00
7) Phenol-d6	6.47	99	452428	76.50	ng	0.00
23) Nitrobenzene-d5	7.40	82	276304	53.68	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	192714	185.31	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	703365	76.27	ng	-0.01
79) Terphenyl-d14	12.95	244	1399607	119.51	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	35638	9.152	ng	# 73
25) Isophorone	7.40	82	276300	26.491	ng	# 66
51) 2,6-Dinitrotoluene	9.87	165	20638	10.072	ng	# 20
57) 2,4-Dinitrotoluene	9.87	165	20638	8.237	ng	# 20
65) 4,6-Dinitro-2-methylphenol	10.67	198	671	8.041	ng	# 1
67) 4-Bromophenyl-phenylether	10.67	248	12647	4.770	ng	# 1
77) Benzidine	12.95	184	20224	2.380	ng	# 94

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

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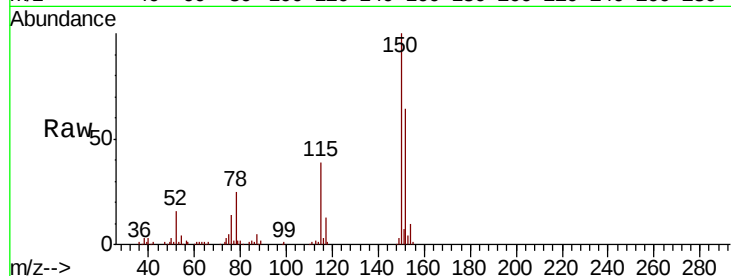


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116829.D
Acq: 5 Sep 2019 11:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	124.4	186.6
115	61.4	49.9	74.9

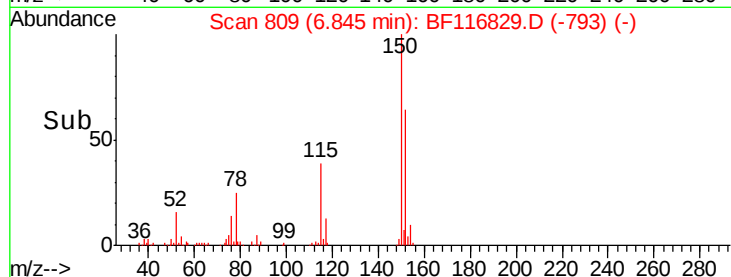
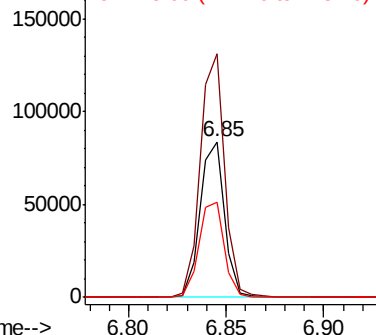


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

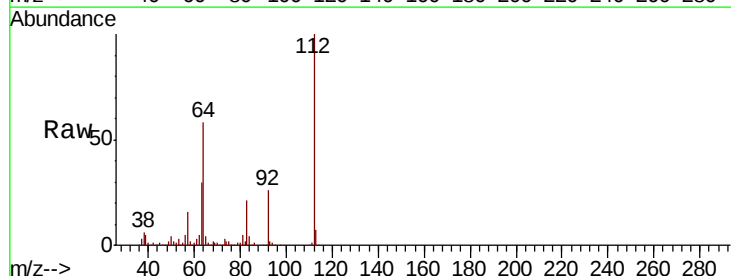
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 73.904 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.00 min
Lab File: BF116829.D
Acq: 5 Sep 2019 11:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	47.1	70.7
63	30.1	24.9	37.3

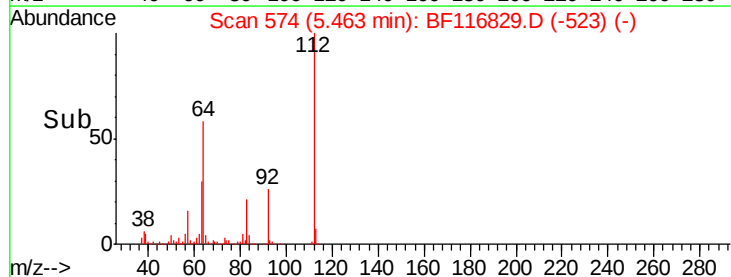
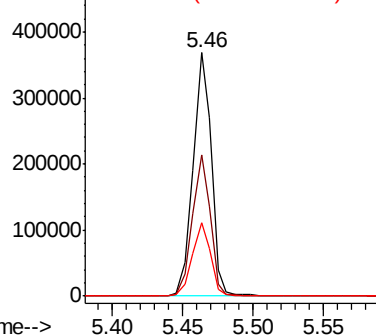


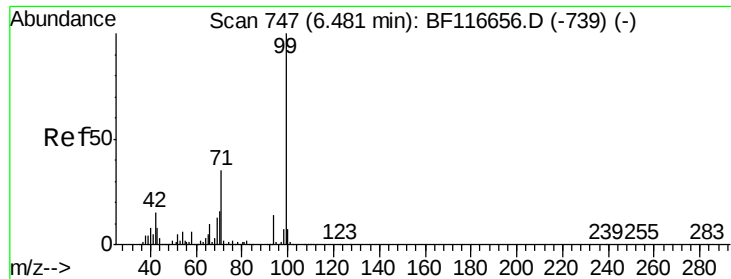
Abundance

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: 76.497 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116829.D

Acq: 5 Sep 2019 11:22

Instrument :

BNA_F

ClientSampleId :

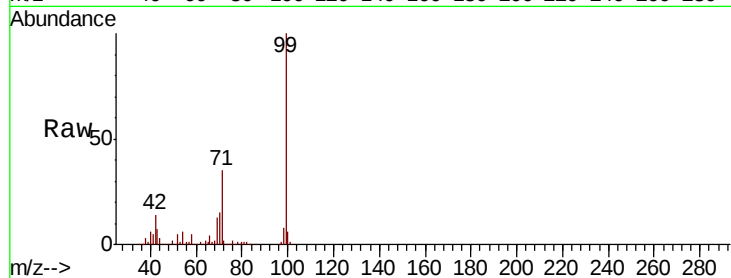
Tot Ion: 99 Resp: 452428

Ion Ratio Lower Upper

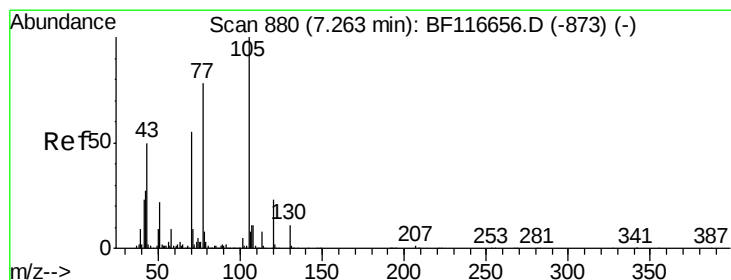
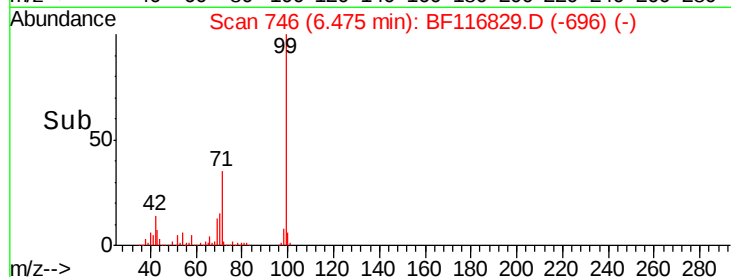
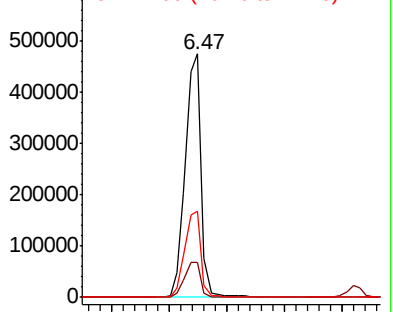
99 100

42 14.1 13.7 20.5

71 35.3 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: 9.152 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.14 min

Lab File: BF116829.D

Acq: 5 Sep 2019 11:22

Tgt Ion: 70 Resp: 35638

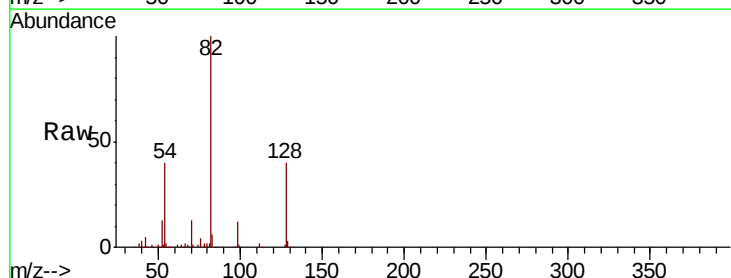
Ion Ratio Lower Upper

70 100

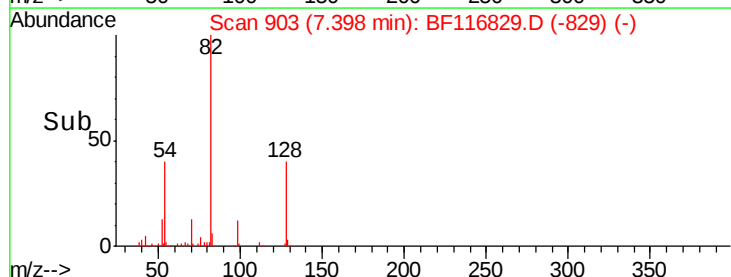
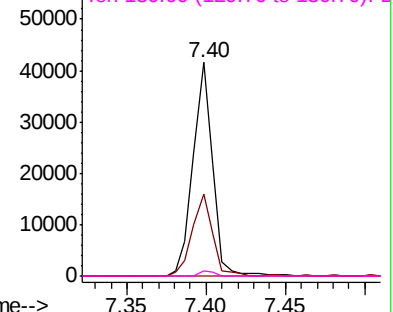
42 38.6 43.5 65.3#

101 0.0 7.8 11.6#

130 2.2 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: 8.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF116829.D

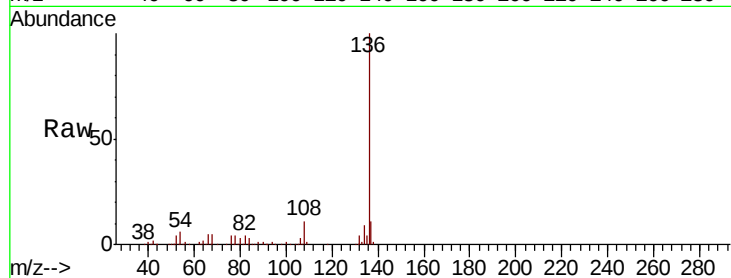
Acq: 5 Sep 2019 11:22

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136	Resp:	293844
Ion	Ratio	Lower Upper
136	100	
137	11.5	8.9 13.3
54	6.1	4.8 7.2
68	5.1	4.0 6.0

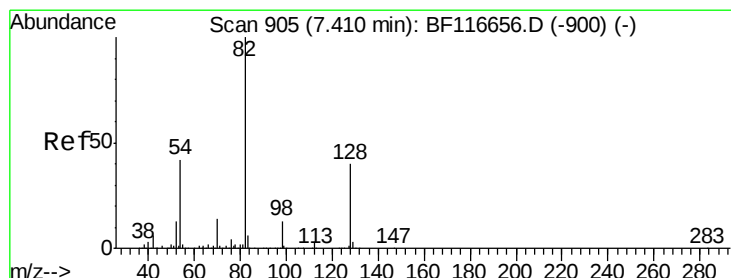
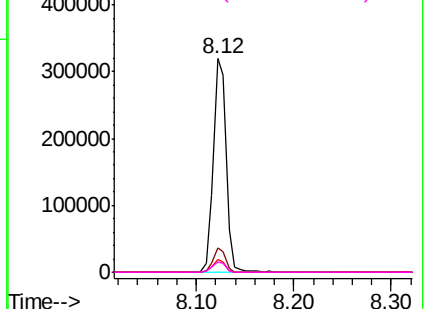
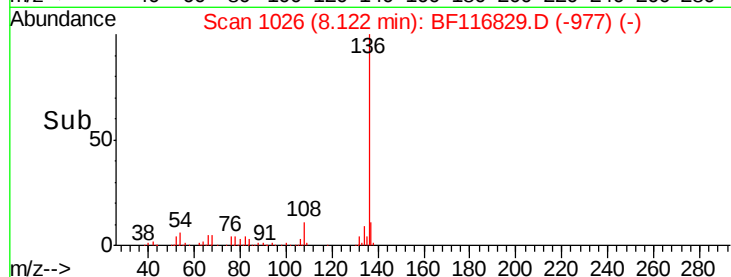


Abundance Ion 136.00 (135.70 to 136.70): E

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: 53.680 ng

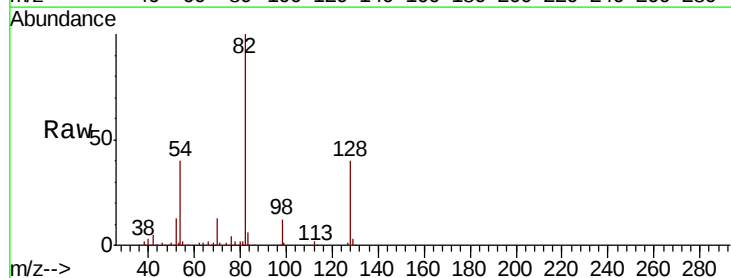
RT: 7.40 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF116829.D

Acq: 5 Sep 2019 11:22

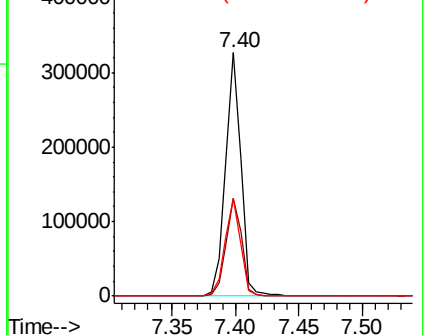
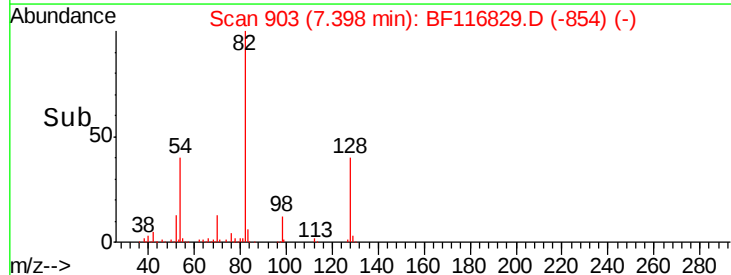
Tgt Ion: 82	Resp:	276304
Ion	Ratio	Lower Upper
82	100	
128	40.3	32.8 49.2
54	40.4	36.9 55.3



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

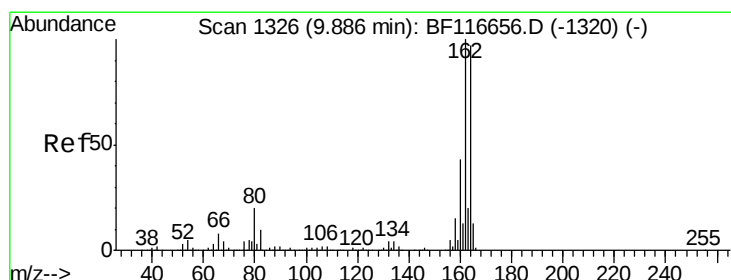
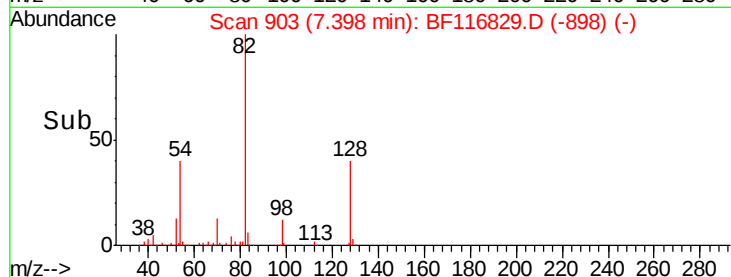
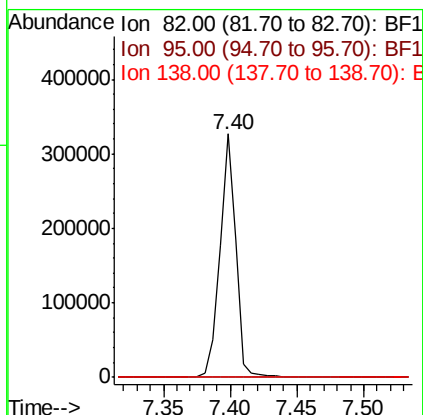
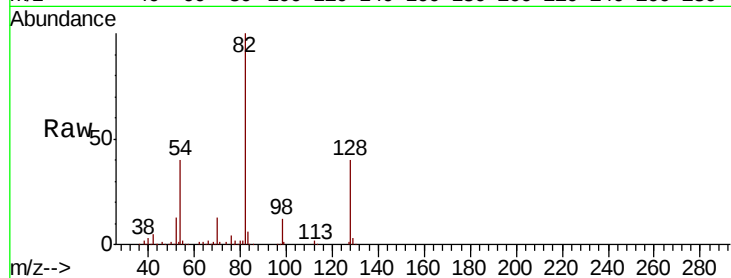




#25
Isophorone
Concen: 26.491 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.27 min
Lab File: BF116829.D
Acq: 5 Sep 2019 11:22

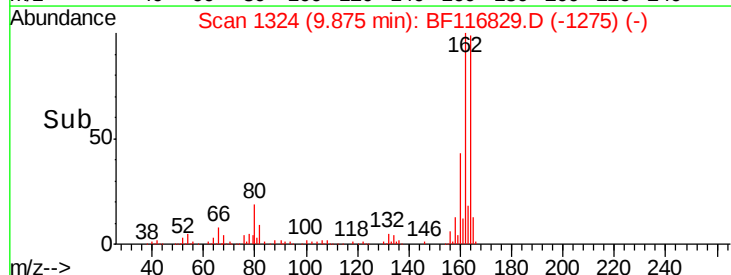
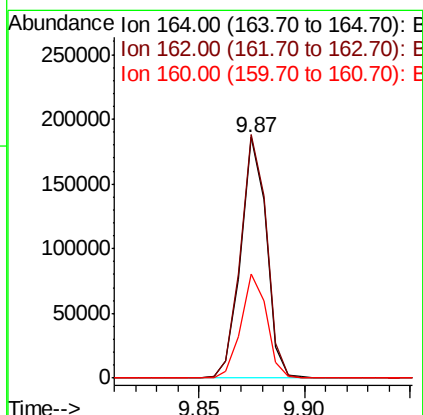
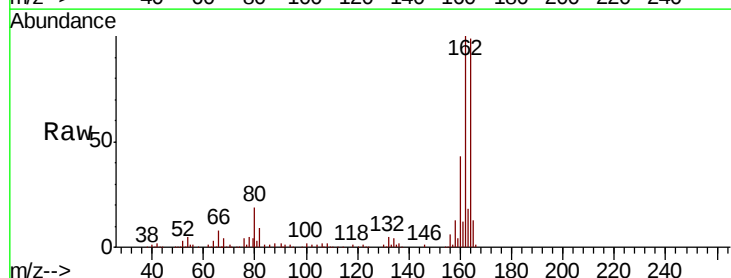
Instrument :
BNA_F
ClientSampleId :

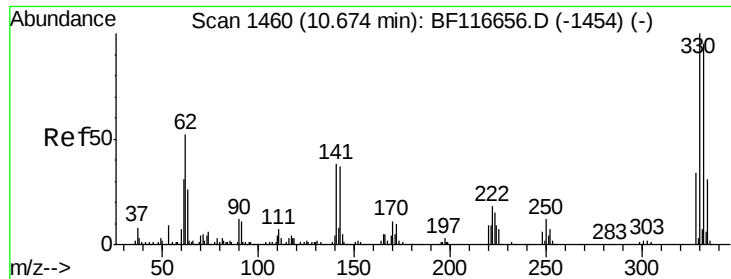
Tot Ion	82	Resp	276300
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.8	8.6#
138	0.0	13.5	20.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF116829.D
Acq: 5 Sep 2019 11:22

Tgt Ion	164	Resp	155559
Ion Ratio	Lower	Upper	
164	100		
162	101.2	81.4	122.0
160	43.3	35.4	53.2





#42

2,4,6-Tribromophenol

Concen: 185.312 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF116829.D

Acq: 5 Sep 2019 11:22

Instrument :

BNA_F

ClientSampleId :

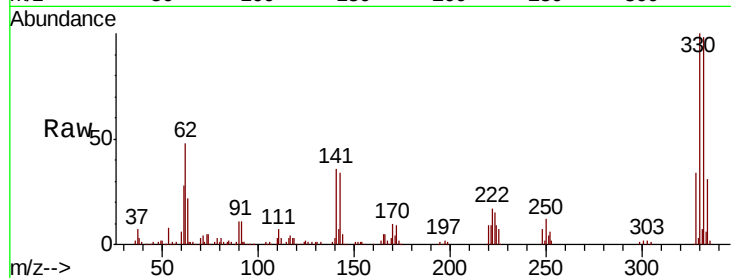
Tot Ion:330 Resp: 192714

Ion Ratio Lower Upper

330 100

332 96.9 76.9 115.3

141 43.5 31.4 47.2

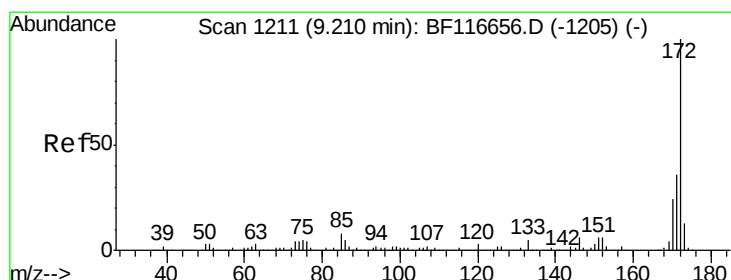
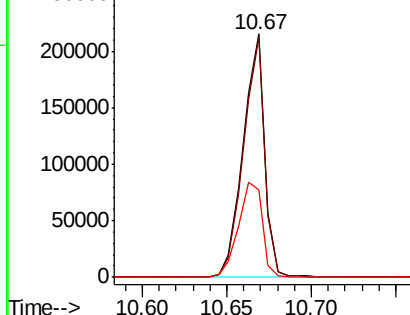
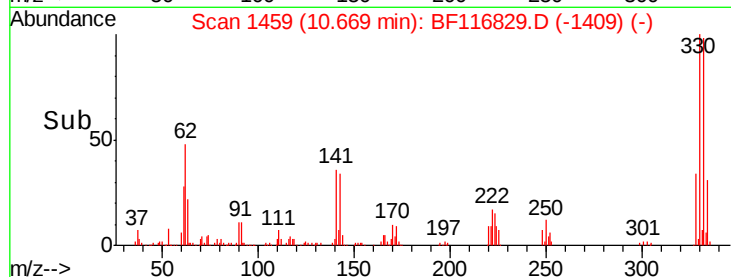


Abundance

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: 76.273 ng

RT: 9.20 min Scan# 1209

Delta R.T. -0.01 min

Lab File: BF116829.D

Acq: 5 Sep 2019 11:22

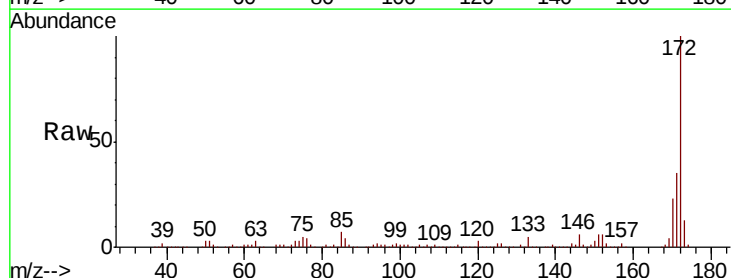
Tgt Ion:172 Resp: 703365

Ion Ratio Lower Upper

172 100

171 35.5 27.8 41.6

170 23.4 18.9 28.3

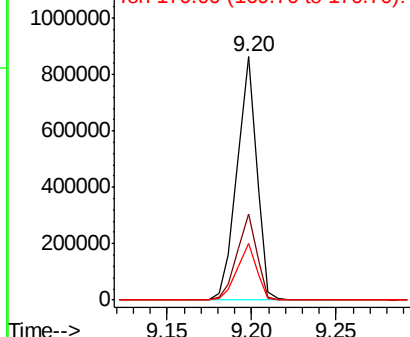
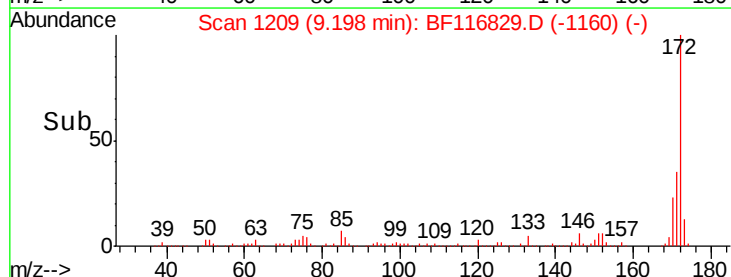


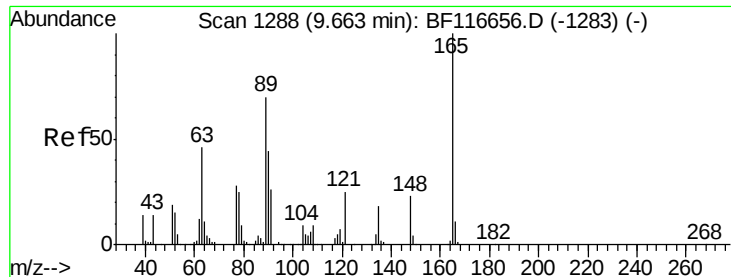
Abundance

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

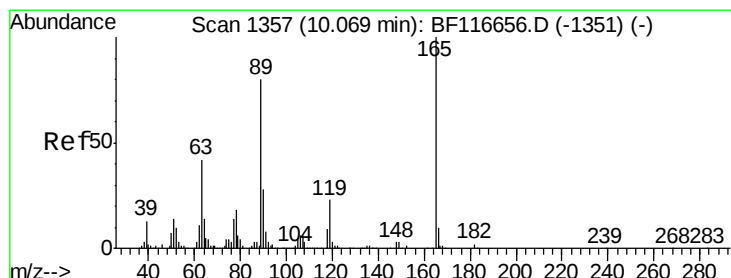
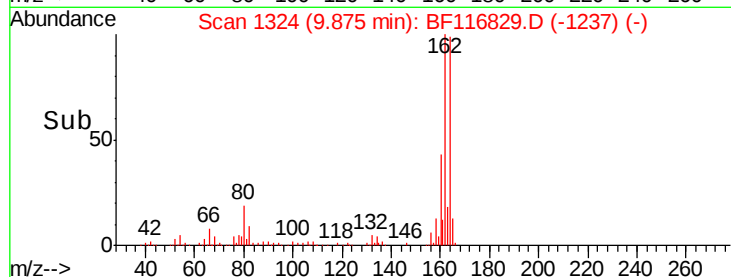
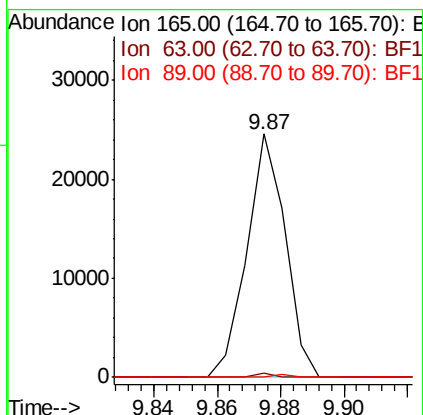
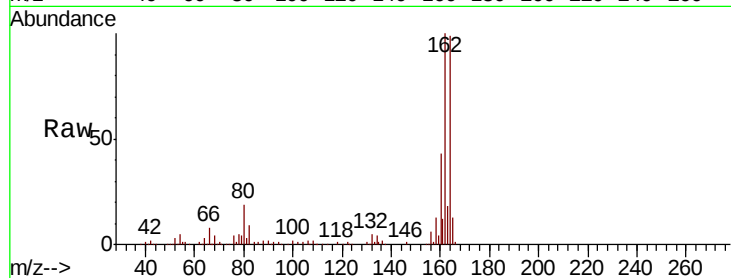




#51
2,6-Dinitrotoluene
Concen: 10.072 ng
RT: 9.87 min Scan# 1324
Delta R.T. 0.21 min
Lab File: BF116829.D
Acq: 5 Sep 2019 11:22

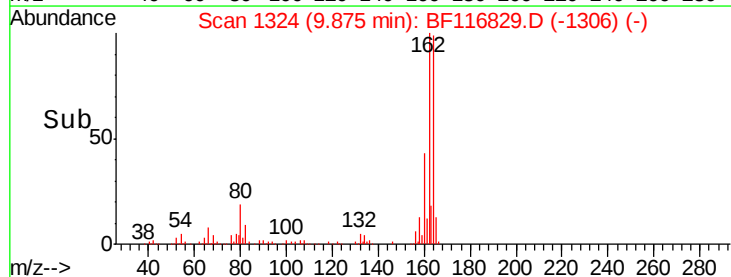
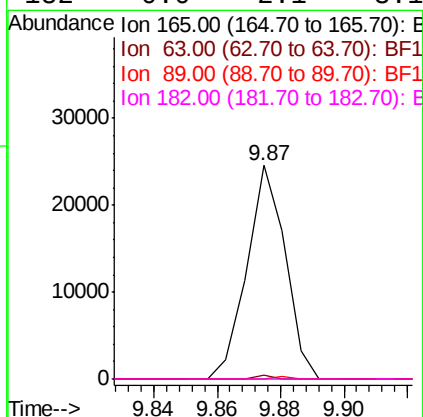
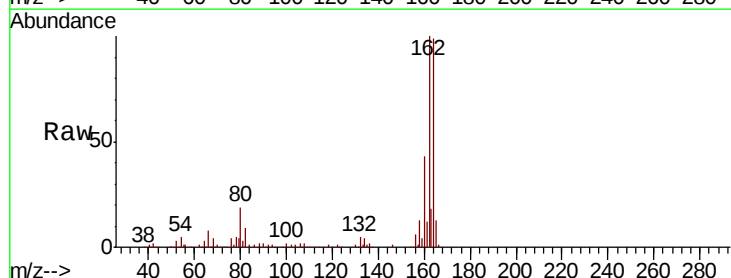
Instrument :
BNA_F
ClientSampleId :

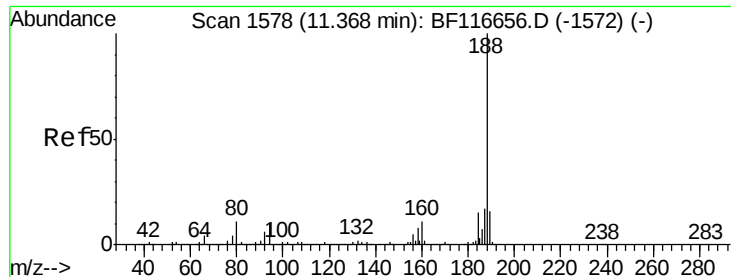
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	47.3	70.9#
89	0.0	52.5	78.7#



#57
2,4-Dinitrotoluene
Concen: 8.237 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.19 min
Lab File: BF116829.D
Acq: 5 Sep 2019 11:22

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	36.4	54.6#
89	0.0	62.6	94.0#
182	0.0	2.1	3.1#

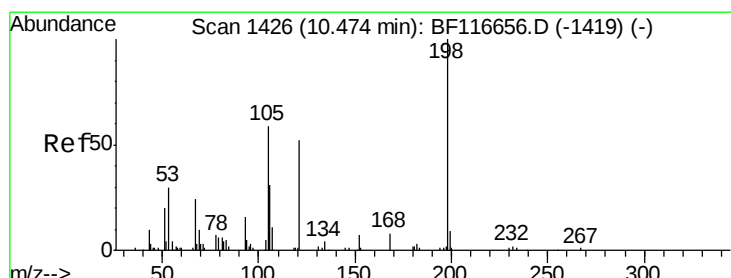
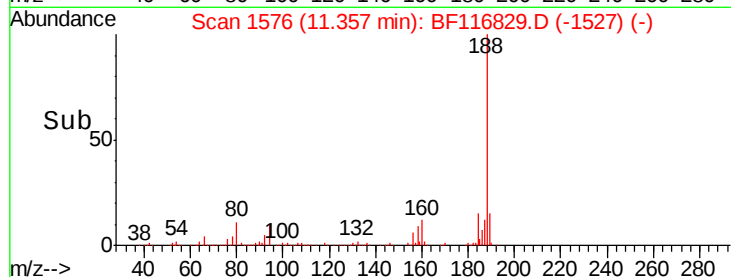
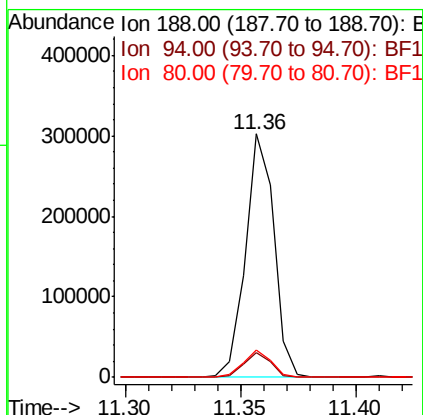
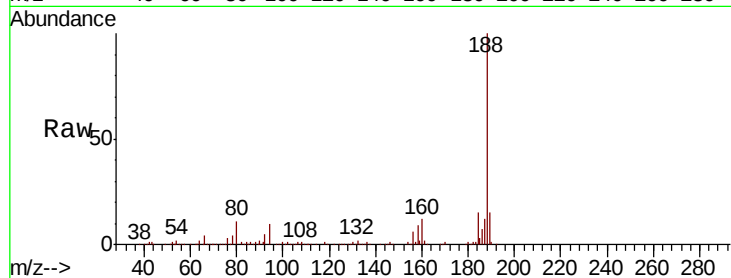




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF116829.D
Acq: 5 Sep 2019 11:22

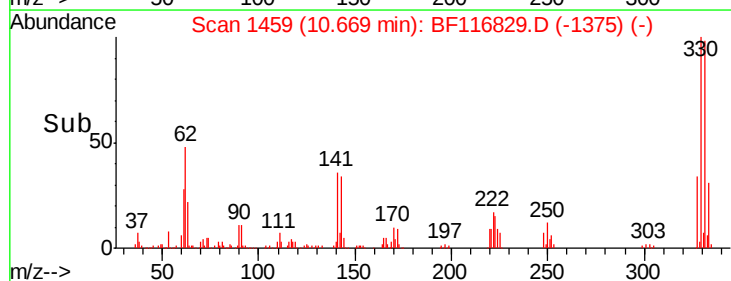
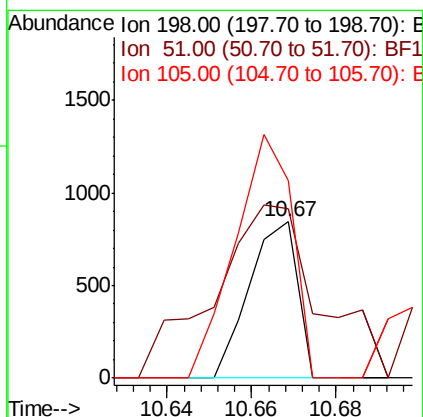
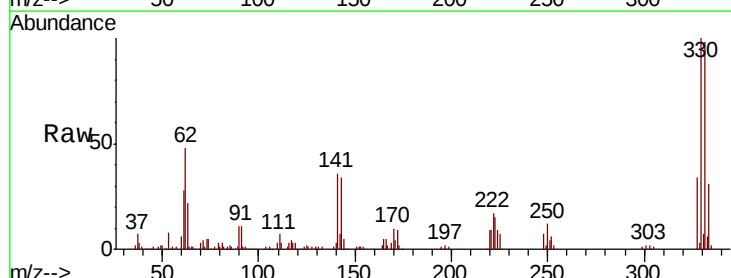
Instrument :
BNA_F
ClientSampleId :

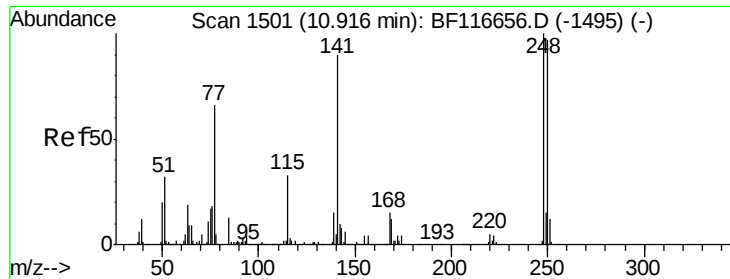
Tot Ion:188 Resp: 261008
Ion Ratio Lower Upper
188 100
94 10.2 7.3 10.9
80 11.2 8.4 12.6



#65
4,6-Dinitro-2-methylphenol
Concen: 8.041 ng
RT: 10.67 min Scan# 1459
Delta R.T. 0.19 min
Lab File: BF116829.D
Acq: 5 Sep 2019 11:22

Tgt Ion:198 Resp: 671
Ion Ratio Lower Upper
198 100
51 108.5 18.4 58.4#
105 126.7 22.9 62.9#

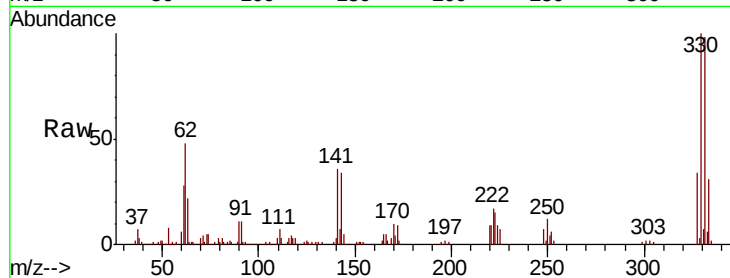




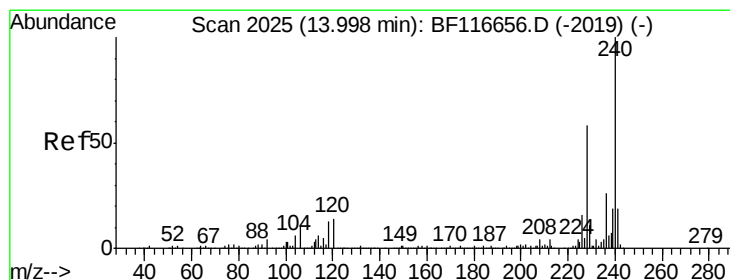
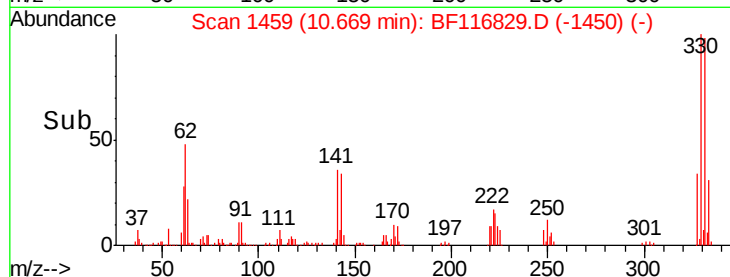
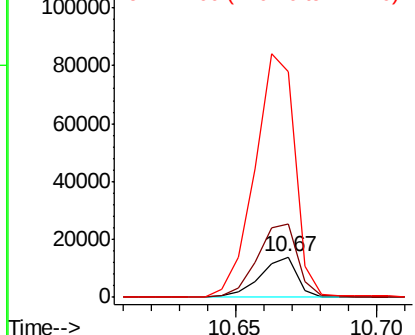
#67
 4-Bromophenyl-phenylether
 Concen: 4.770 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.25 min
 Lab File: BF116829.D
 Acq: 5 Sep 2019 11:22

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 12647
 Ion Ratio Lower Upper
 248 100
 250 181.1 77.8 116.8#
 141 553.8 75.9 113.9#

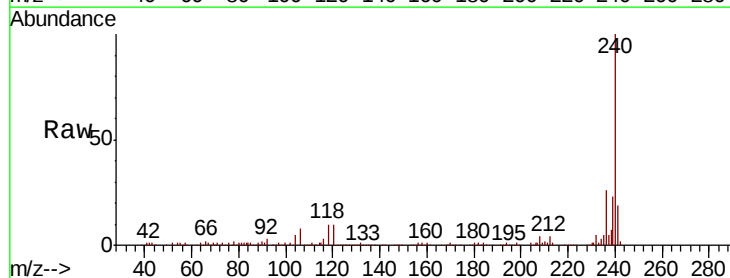


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

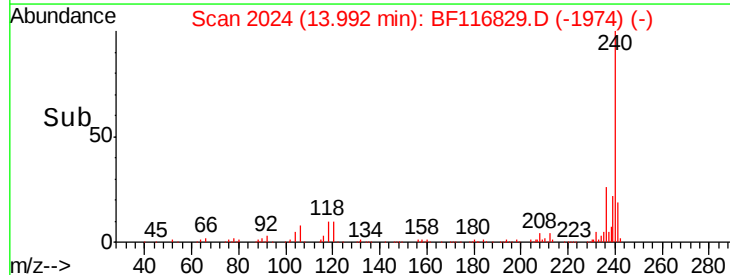
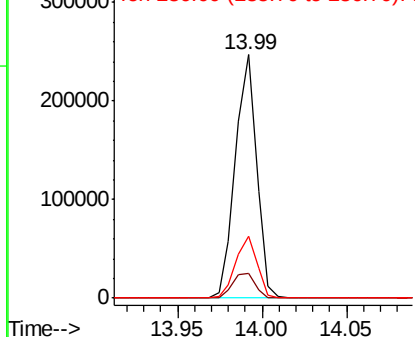


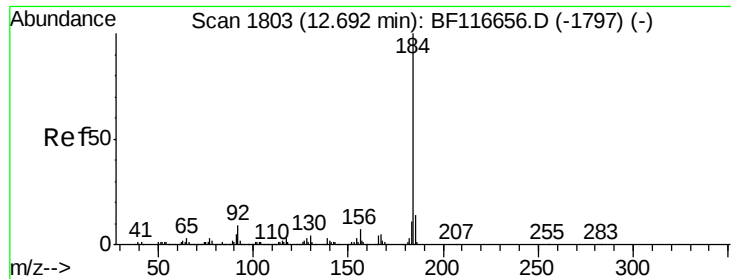
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BF116829.D
 Acq: 5 Sep 2019 11:22

Tgt Ion:240 Resp: 216654
 Ion Ratio Lower Upper
 240 100
 120 10.3 9.1 13.7
 236 25.7 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





#77

Benzidine

Concen: 2.380 ng

RT: 12.95 min Scan# 1847

Delta R.T. 0.26 min

Lab File: BF116829.D

Acq: 5 Sep 2019 11:22

Instrument :

BNA_F

ClientSampled :

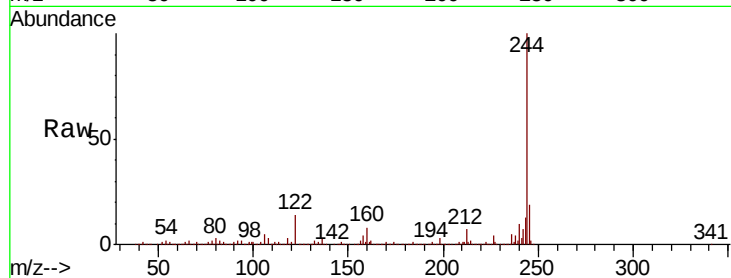
Tot Ion:184 Resp: 20224

Ion Ratio Lower Upper

184 100

185 18.0 11.3 16.9#

183 10.6 9.2 13.8

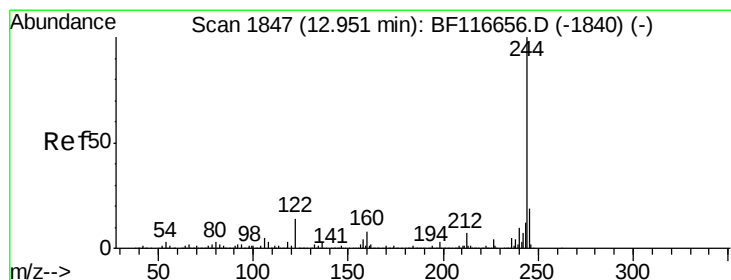
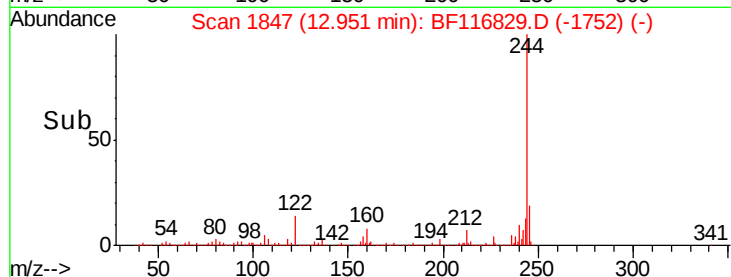
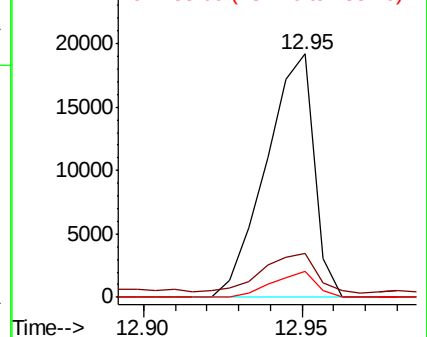


Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 119.508 ng

RT: 12.95 min Scan# 1847

Delta R.T. 0.00 min

Lab File: BF116829.D

Acq: 5 Sep 2019 11:22

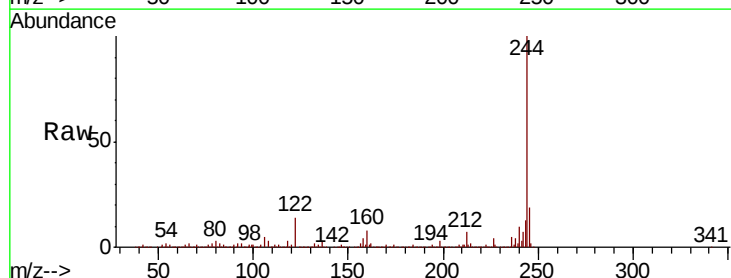
Tgt Ion:244 Resp: 1399607

Ion Ratio Lower Upper

244 100

212 7.2 6.1 9.1

122 13.7 10.2 15.4

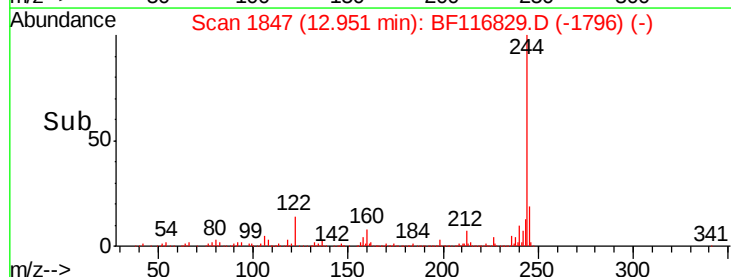
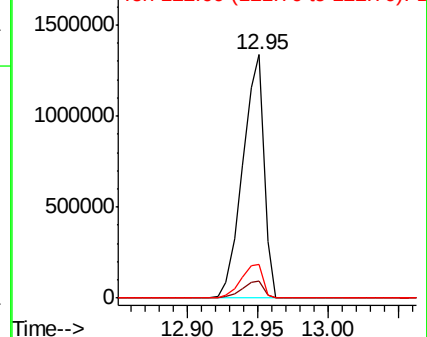


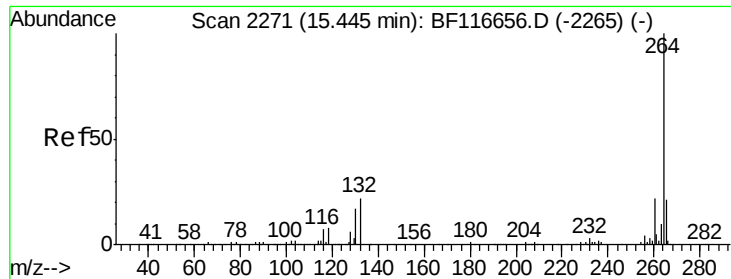
Abundance

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

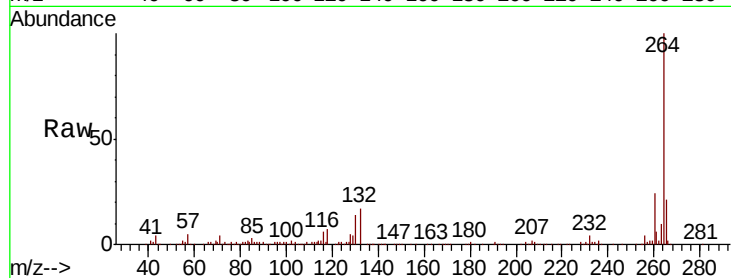




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.00 min
Lab File: BF116829.D
Acq: 5 Sep 2019 11:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	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

