

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
 Data File : BF118598.D
 Acq On : 20 Jan 2020 18:32
 Operator : CG/JU
 Sample : PB126190BL
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 21 01:41:36 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 20 14:45:03 2020
 Response via : Initial Calibration

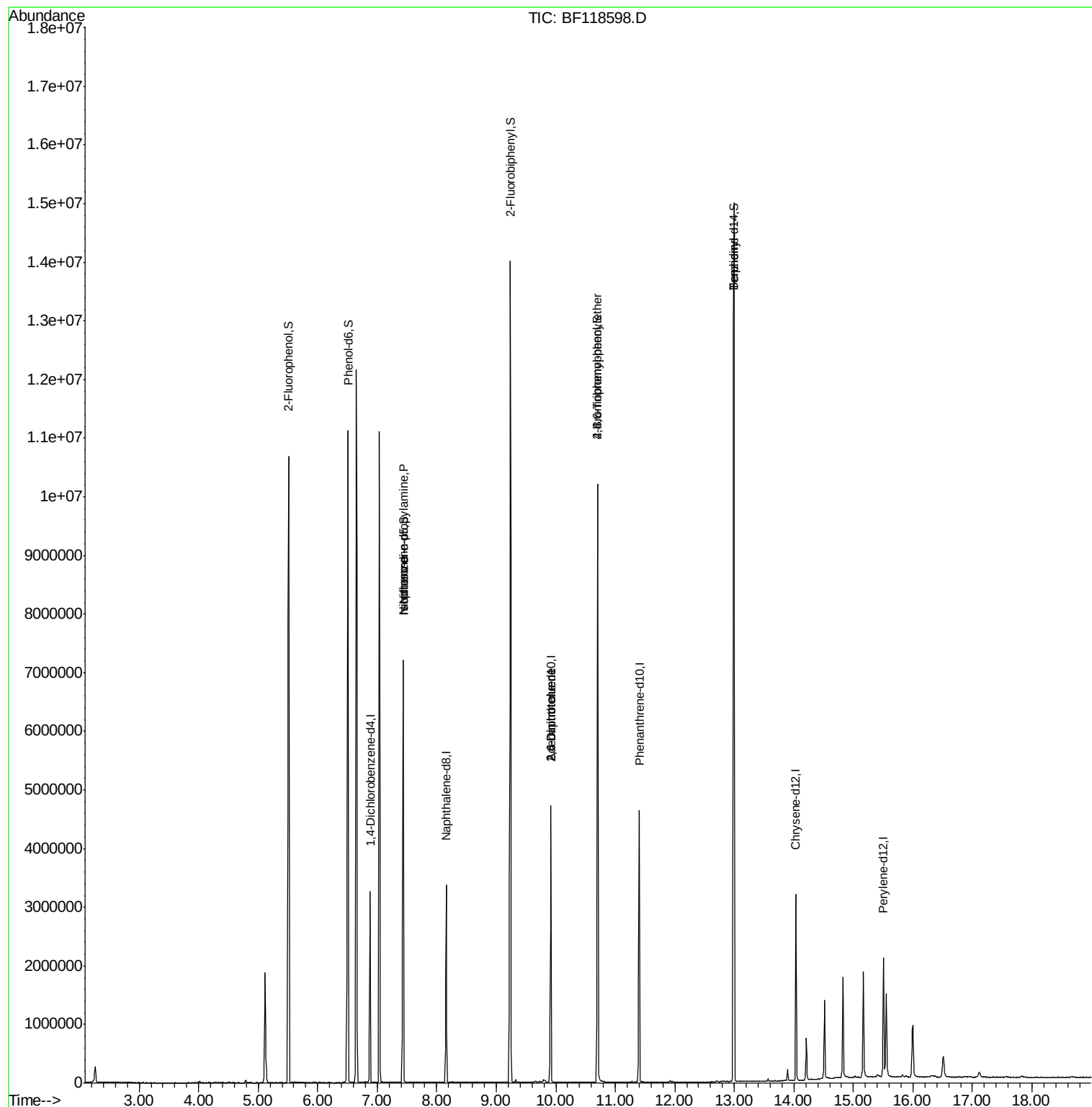
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	475541	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	1710119	20.00	ng	-0.01
39) Acenaphthene-d10	9.92	164	964304	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	1797872	20.00	ng	0.00
76) Chrysene-d12	14.03	240	1040697	20.00	ng	-0.01
87) Perylene-d12	15.50	264	1026699	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	3470221	135.53	ng	0.01
7) Phenol-d6	6.51	99	4405973	132.39	ng	0.00
23) Nitrobenzene-d5	7.44	82	2844192	93.03	ng	0.00
42) 2,4,6-Tribromophenol	10.71	330	1586646	142.26	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	5212739	88.85	ng	0.00
79) Terphenyl-d14	12.99	244	5703195	119.53	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.44	70	414073	18.427	ng	# 76
25) Isophorone	7.44	82	2841757	50.959	ng	# 64
51) 2,6-Dinitrotoluene	9.92	165	127164	9.039	ng	# 21
57) 2,4-Dinitrotoluene	9.92	165	127164	7.170	ng	# 25
67) 4-Bromophenyl-phenylether	10.70	248	101631	4.576	ng	# 1
77) Benzidine	12.99	184	82622	2.971	ng	# 95

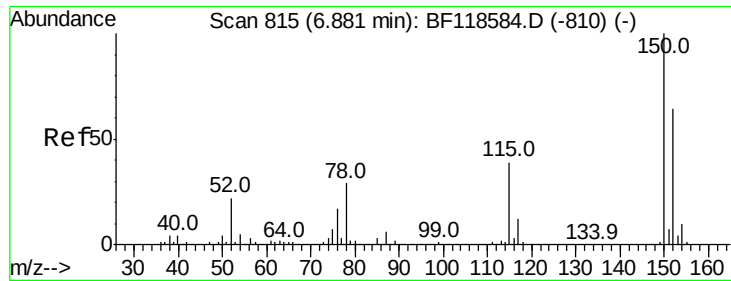
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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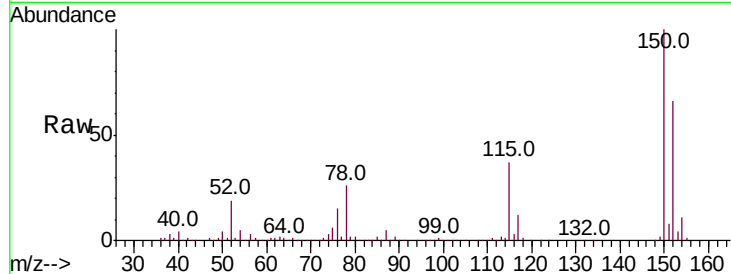


#1

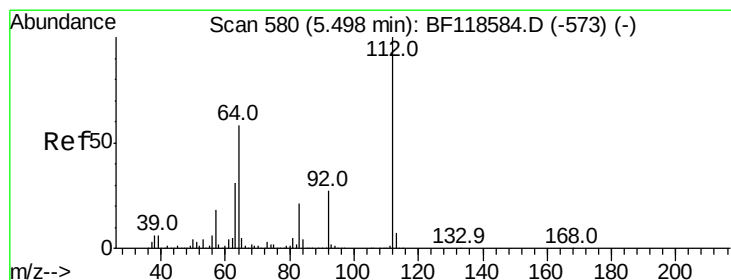
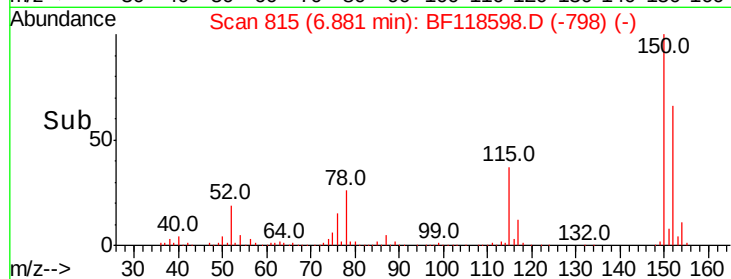
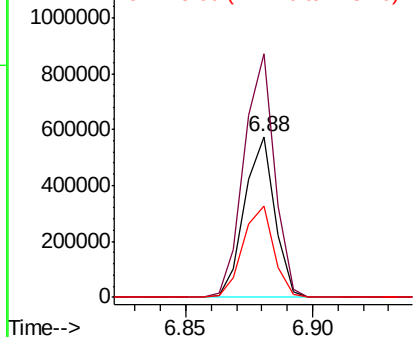
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF118598.D
Acq: 20 Jan 2020 18:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 475541
Ion Ratio Lower Upper
152 100
150 151.3 125.6 188.4
115 56.7 48.4 72.6



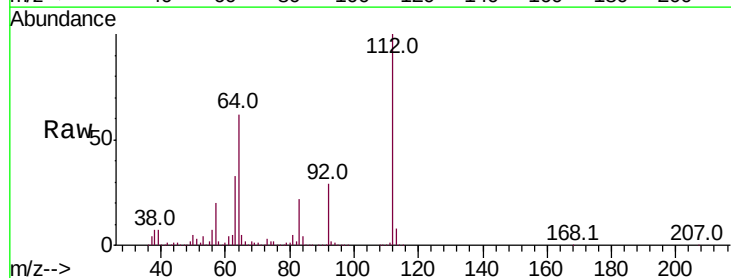
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



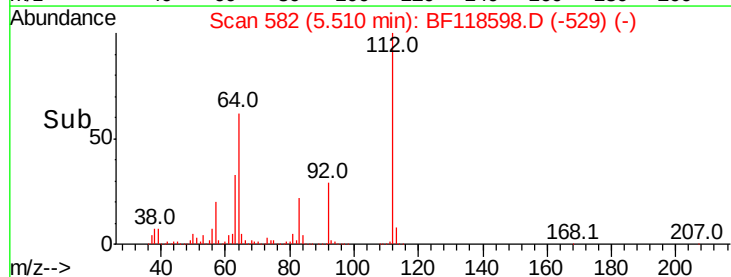
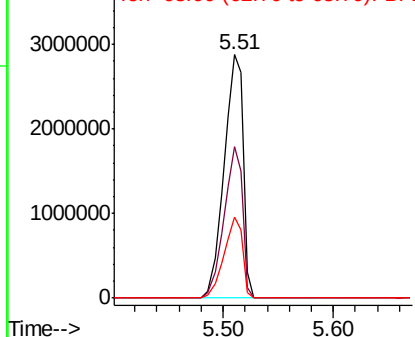
#5

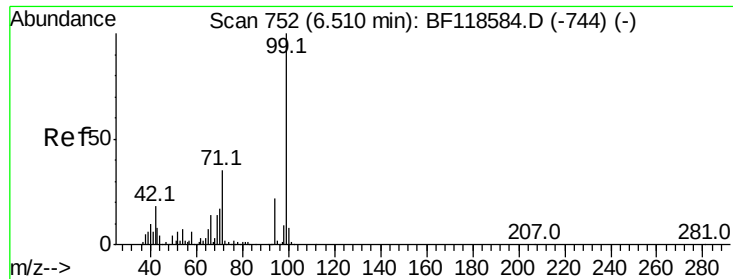
2-Fluorophenol
Concen: 135.532 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.01 min
Lab File: BF118598.D
Acq: 20 Jan 2020 18:32

Tgt Ion:112 Resp: 3470221
Ion Ratio Lower Upper
112 100
64 62.0 46.6 70.0
63 33.1 25.1 37.7



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: 132.394 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF118598.D

Acq: 20 Jan 2020 18:32

Instrument :

BNA_F

ClientSampled :

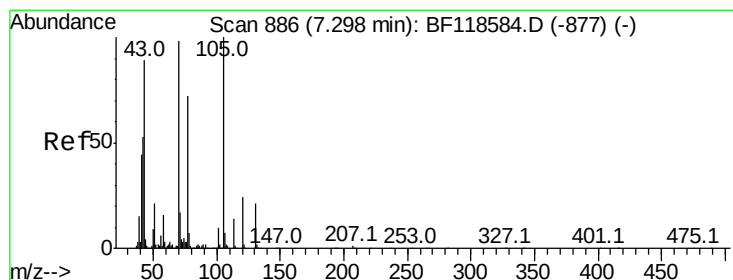
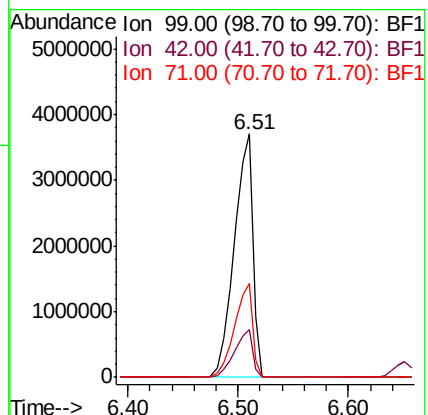
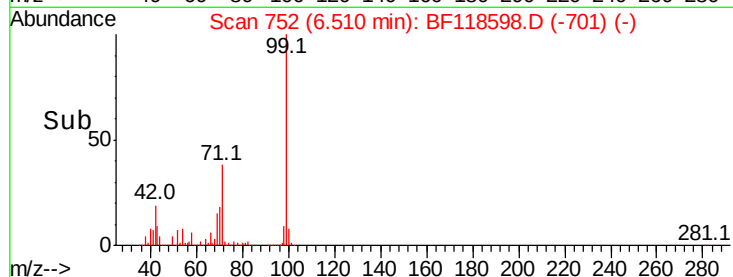
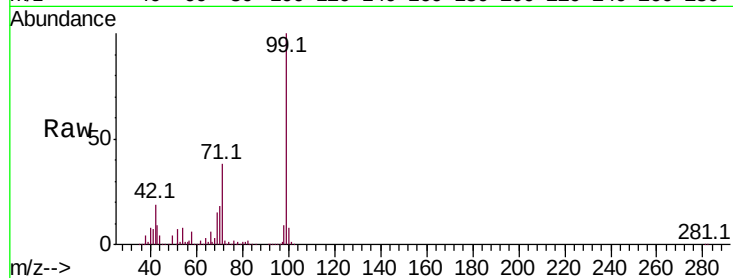
Tot Ion: 99 Resp: 4405973

Ion Ratio Lower Upper

99 100

42 19.5 14.2 21.2

71 38.3 27.8 41.6



#19

n-Nitroso-di-n-propylamine

Concen: 18.427 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.14 min

Lab File: BF118598.D

Acq: 20 Jan 2020 18:32

Tgt Ion: 70 Resp: 414073

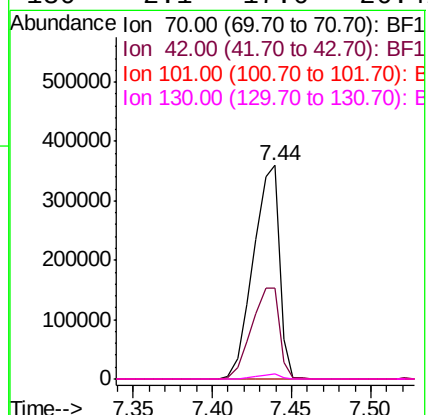
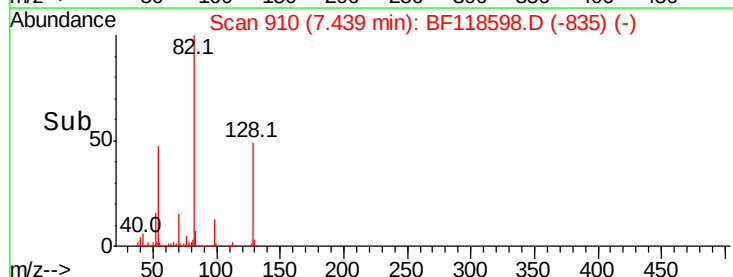
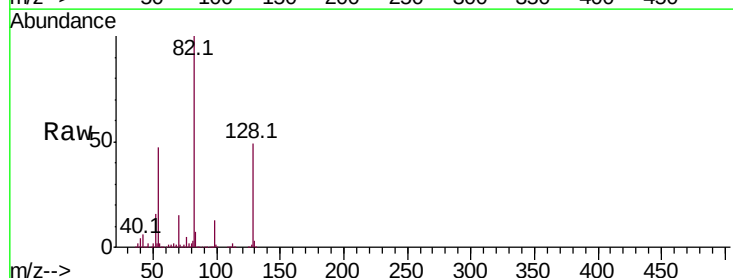
Ion Ratio Lower Upper

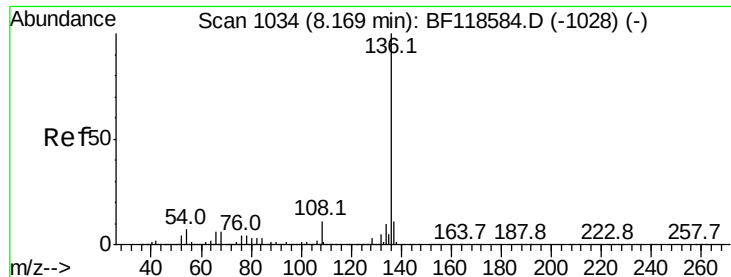
70 100

42 42.7 43.4 65.0#

101 0.0 8.1 12.1#

130 2.1 17.6 26.4#



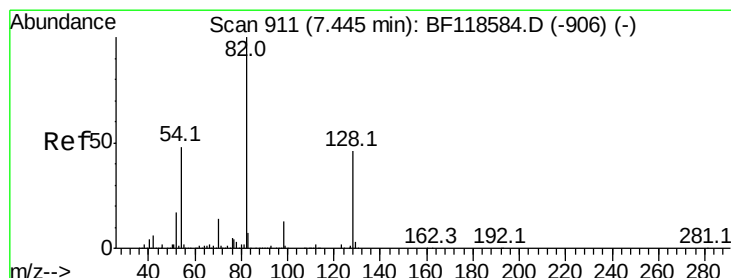
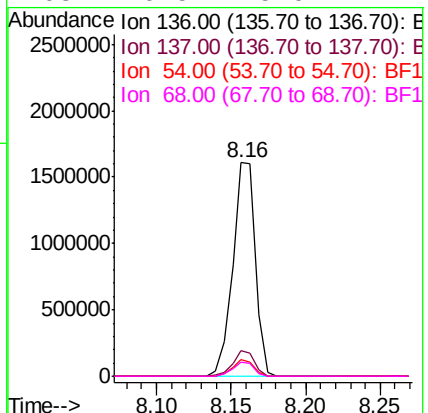
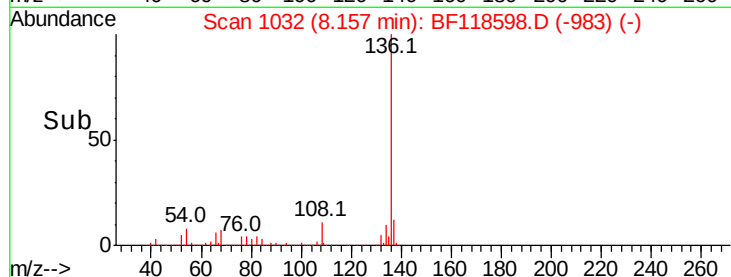
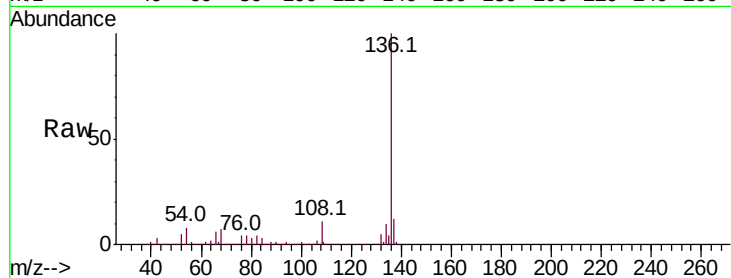


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF118598.D
Acq: 20 Jan 2020 18:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136 Resp: 1710119

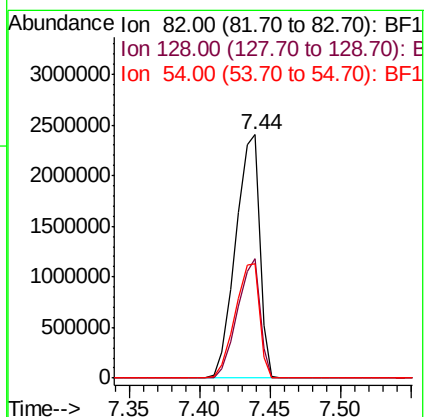
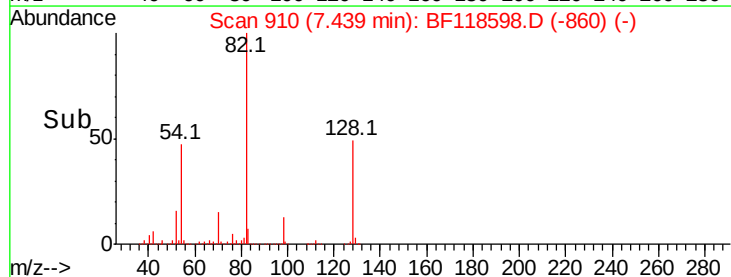
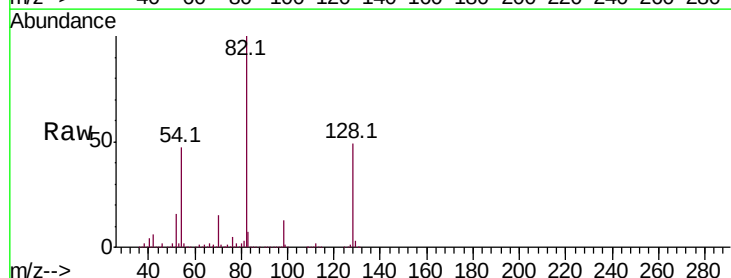
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.1	13.7
54	7.8	5.8	8.6
68	6.5	5.0	7.4

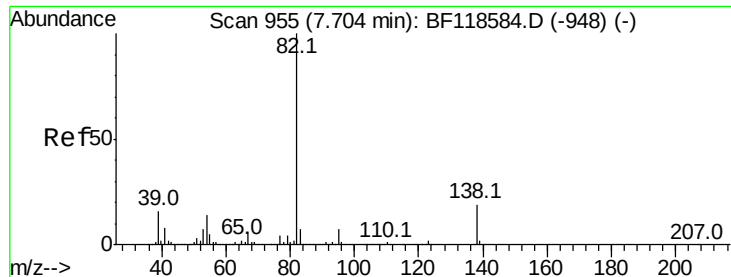


#23
Nitrobenzene-d5
Concen: 93.027 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF118598.D
Acq: 20 Jan 2020 18:32

Tgt Ion: 82 Resp: 2844192

Ion	Ratio	Lower	Upper
82	100		
128	49.2	36.6	54.8
54	47.1	38.0	57.0





#25

Isophorone

Concen: 50.959 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF118598.D

Acq: 20 Jan 2020 18:32

Instrument :

BNA_F

ClientSampleId :

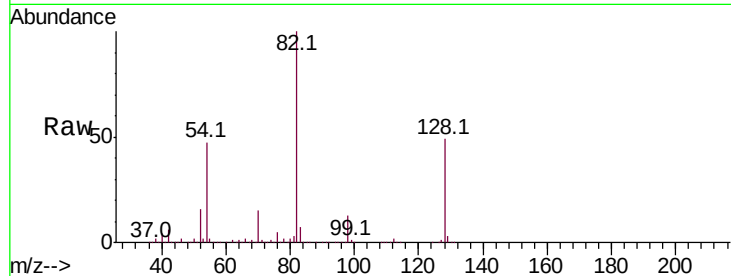
Tot Ion: 82 Resp: 2841757

Ion Ratio Lower Upper

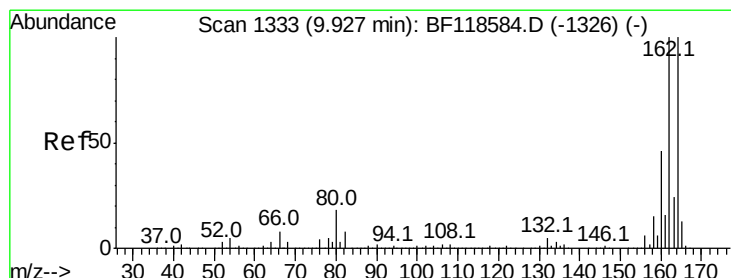
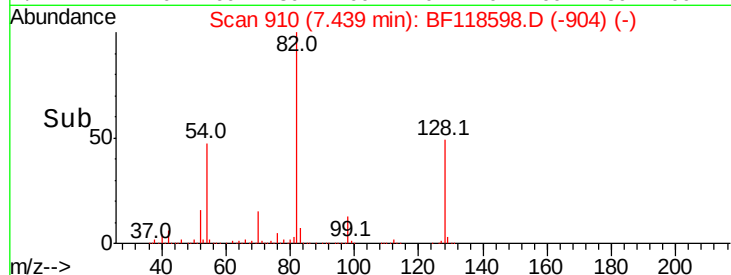
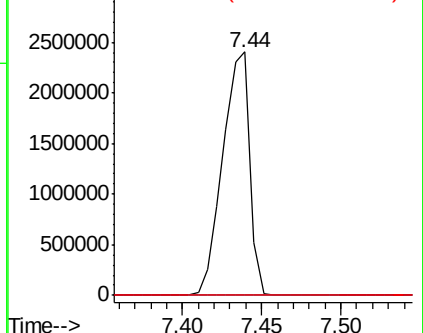
82 100

95 0.0 5.9 8.9#

138 0.0 15.3 22.9#



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: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF118598.D

Acq: 20 Jan 2020 18:32

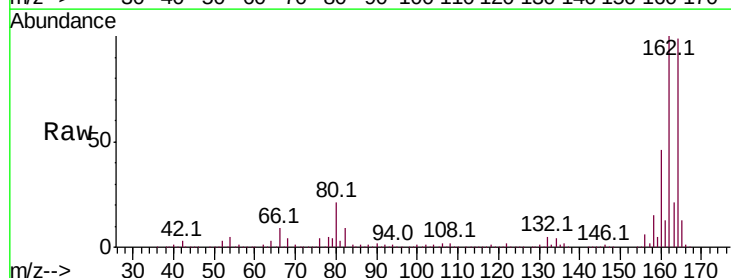
Tgt Ion:164 Resp: 964304

Ion Ratio Lower Upper

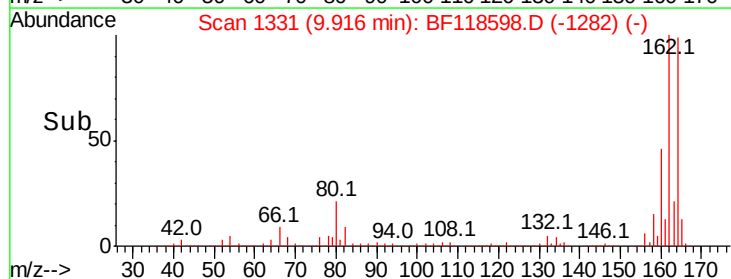
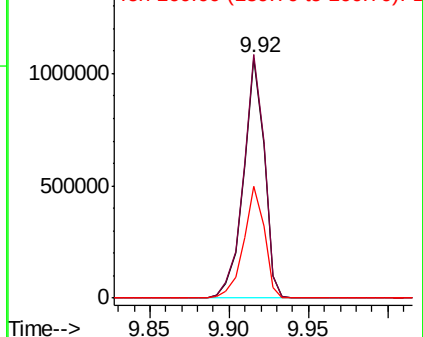
164 100

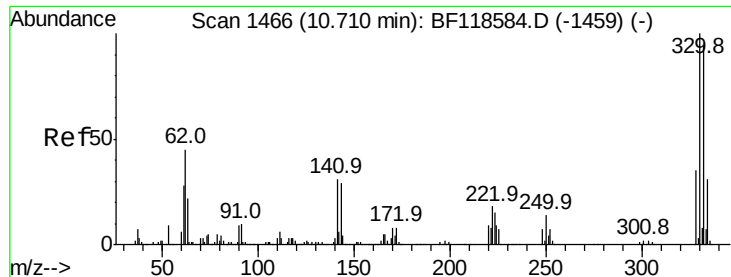
162 101.3 80.4 120.6

160 46.6 36.6 55.0



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: 142.257 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.00 min

Lab File: BF118598.D

Acq: 20 Jan 2020 18:32

Instrument :

BNA_F

ClientSampleId :

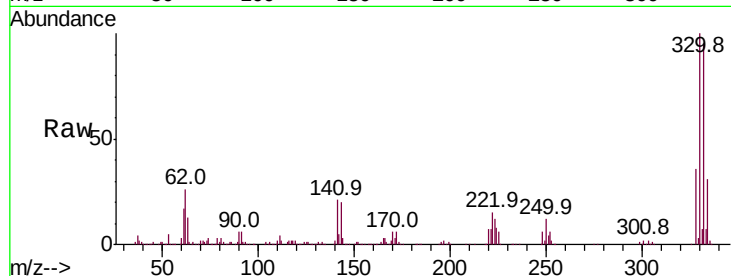
Tot Ion:330 Resp: 1586646

Ion Ratio Lower Upper

330 100

332 95.4 76.2 114.4

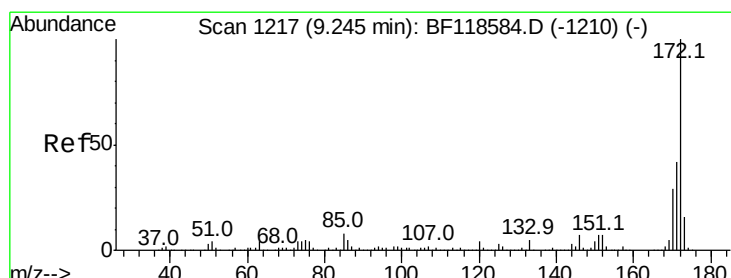
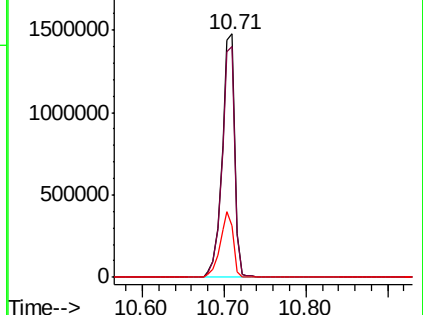
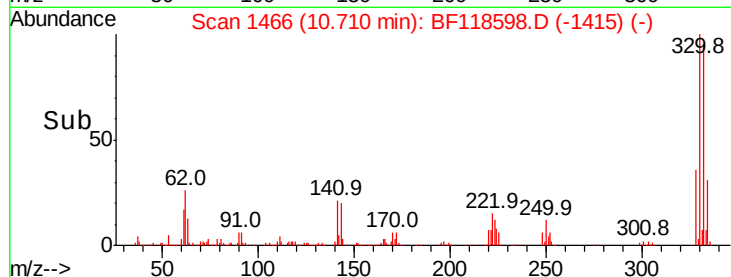
141 27.7 23.9 35.9



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: 88.849 ng

RT: 9.24 min Scan# 1216

Delta R.T. -0.01 min

Lab File: BF118598.D

Acq: 20 Jan 2020 18:32

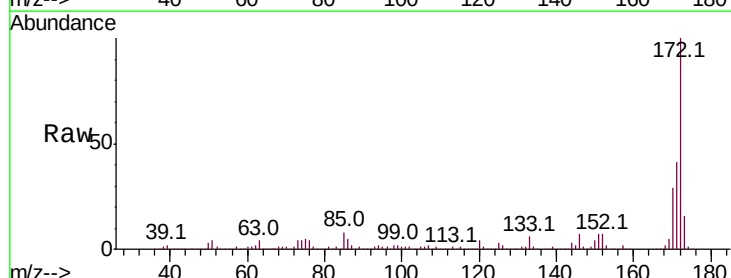
Tgt Ion:172 Resp: 5212739

Ion Ratio Lower Upper

172 100

171 41.5 33.4 50.2

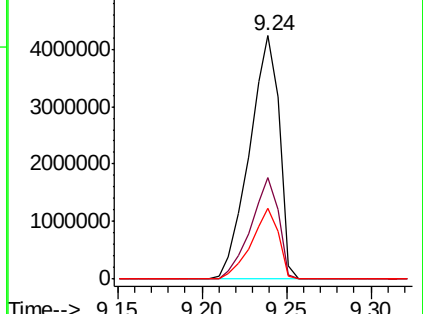
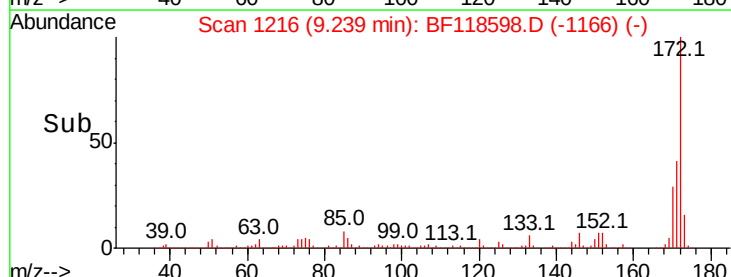
170 28.8 23.2 34.8

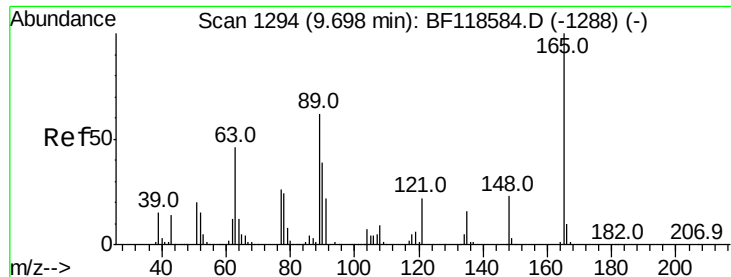


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

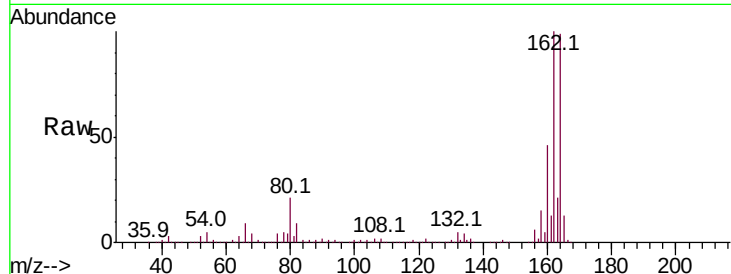




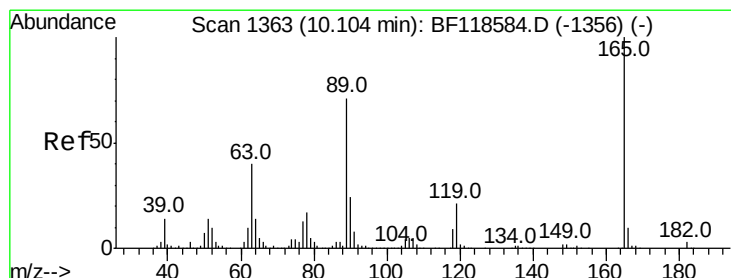
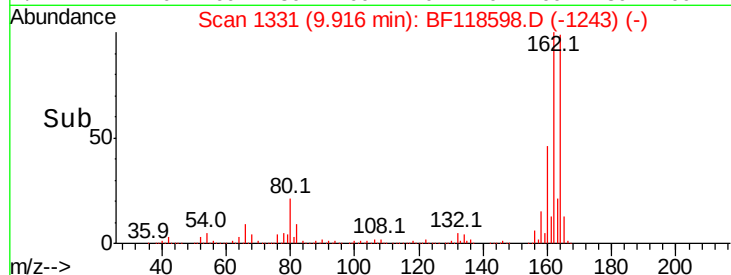
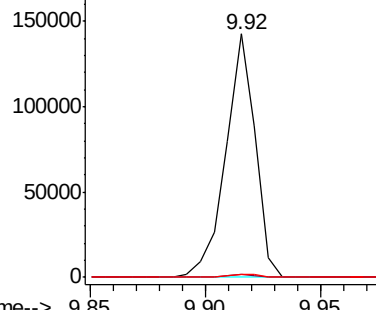
#51
 2,6-Dinitrotoluene
 Concen: 9.039 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.22 min
 Lab File: BF118598.D
 Acq: 20 Jan 2020 18:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	165	Resp:	127164
Ion Ratio	Lower	Upper	
165	100		
63	1.0	48.9	73.3#
89	1.4	49.8	74.6#

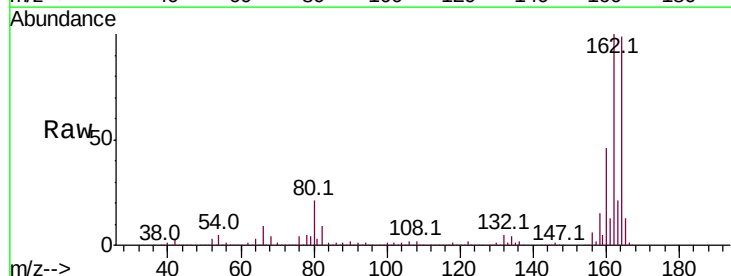


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

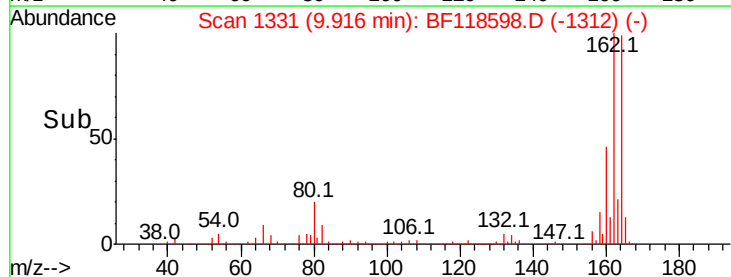
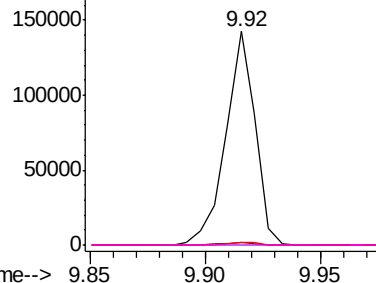


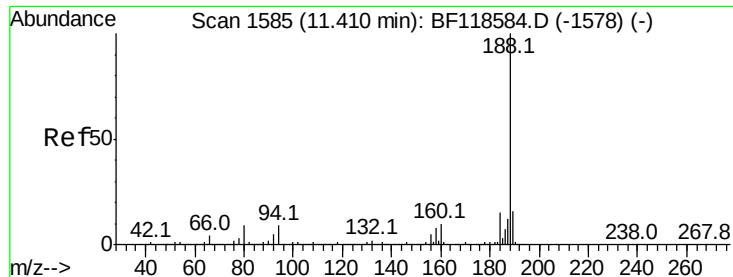
#57
 2,4-Dinitrotoluene
 Concen: 7.170 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF118598.D
 Acq: 20 Jan 2020 18:32

Tgt Ion:	165	Resp:	127164
Ion Ratio	Lower	Upper	
165	100		
63	1.0	32.4	48.6#
89	1.4	56.4	84.6#
182	0.0	2.3	3.5#



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

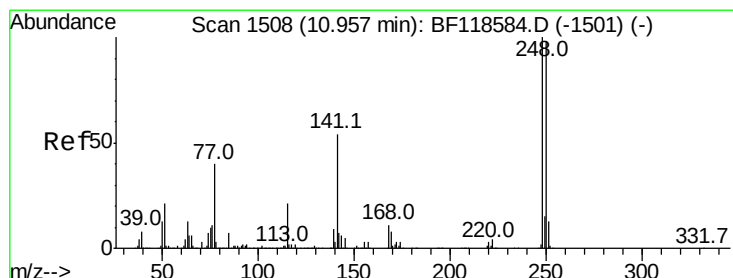
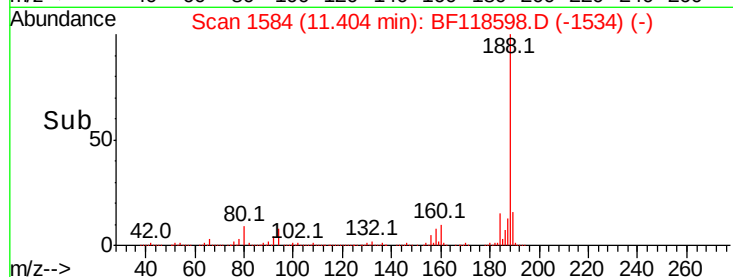
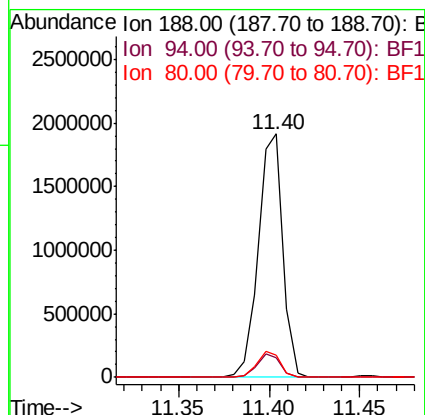
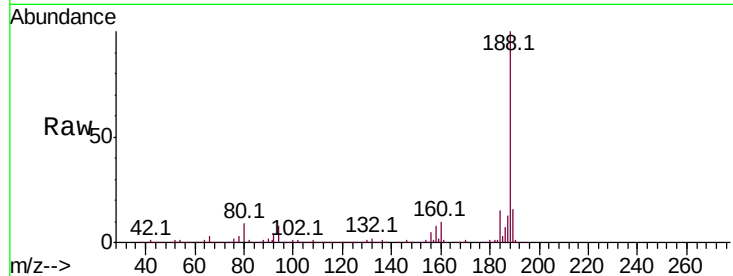




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF118598.D
 Acq: 20 Jan 2020 18:32

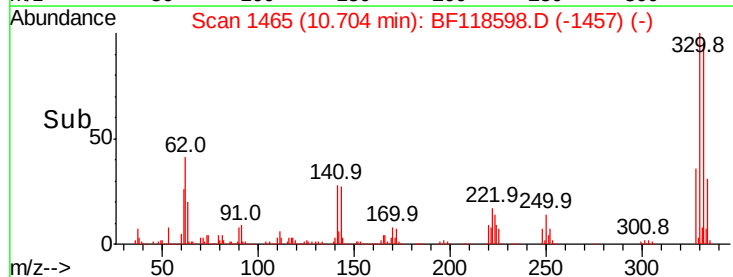
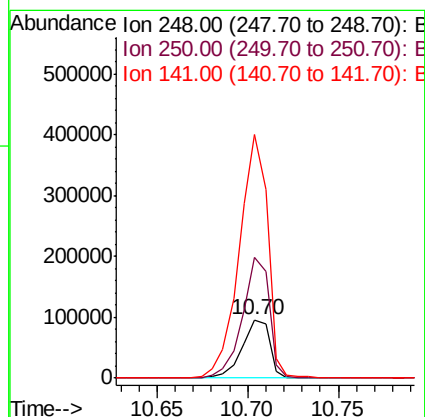
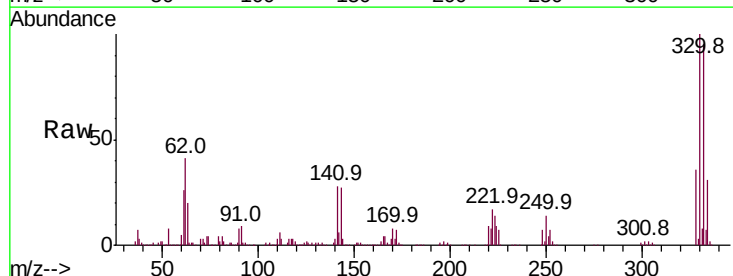
Instrument :
 BNA_F
 ClientSampleId :

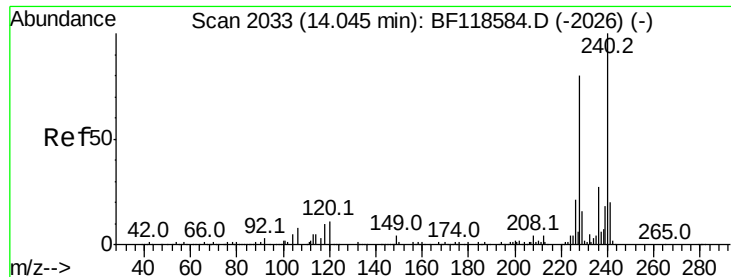
Tot Ion:188 Resp: 1797872
 Ion Ratio Lower Upper
 188 100
 94 8.1 7.1 10.7
 80 8.9 7.5 11.3



#67
 4-Bromophenyl-phenylether
 Concen: 4.576 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.25 min
 Lab File: BF118598.D
 Acq: 20 Jan 2020 18:32

Tgt Ion:248 Resp: 101631
 Ion Ratio Lower Upper
 248 100
 250 207.3 78.7 118.1#
 141 416.2 43.2 64.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF118598.D

Acq: 20 Jan 2020 18:32

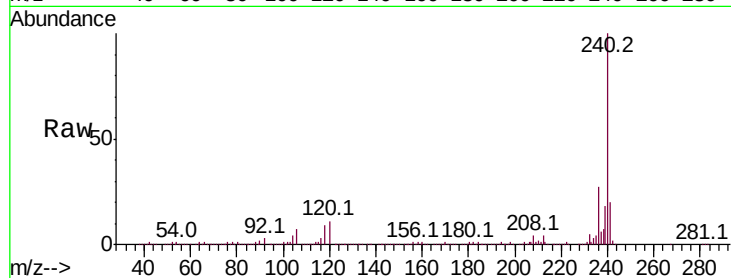
Instrument :

BNA_F

ClientSampleId :

Tot Ion:240 Resp: 1040697

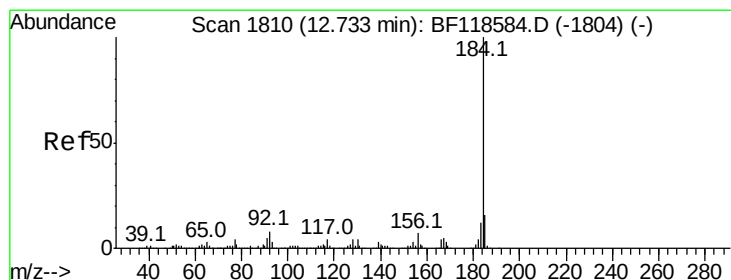
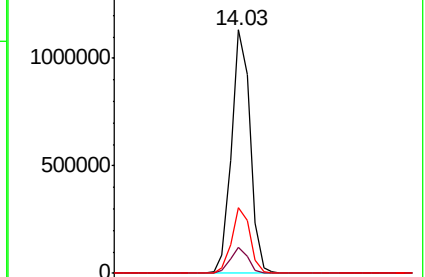
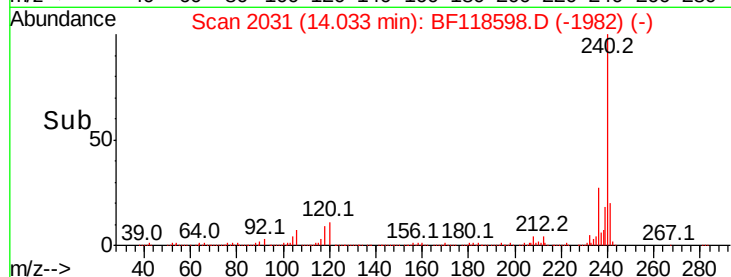
Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.9	13.3
236	27.2	21.5	32.3



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



#77

Benzidine

Concen: 2.971 ng

RT: 12.99 min Scan# 1854

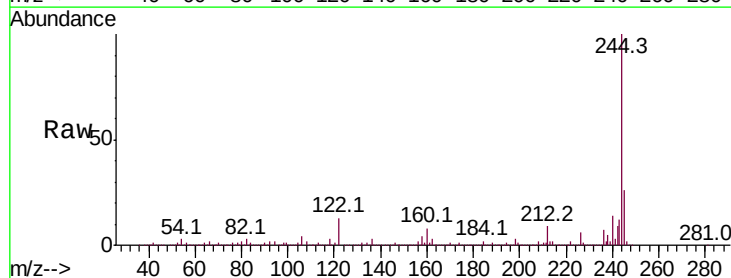
Delta R.T. 0.26 min

Lab File: BF118598.D

Acq: 20 Jan 2020 18:32

Tgt Ion:184 Resp: 82622

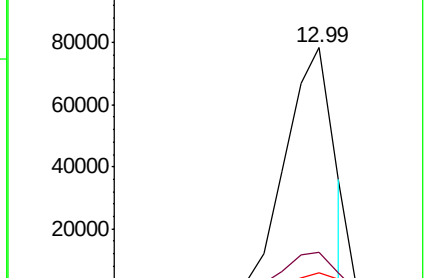
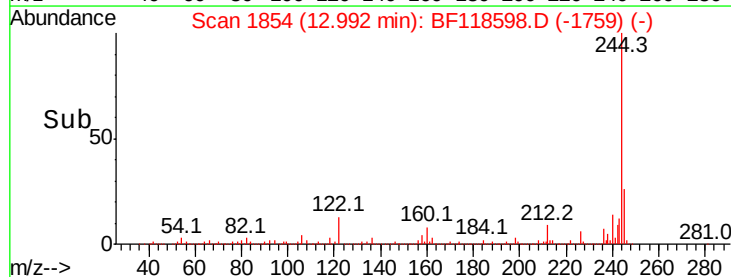
Ion	Ratio	Lower	Upper
184	100		
185	16.0	12.9	19.3
183	7.7	9.6	14.4#

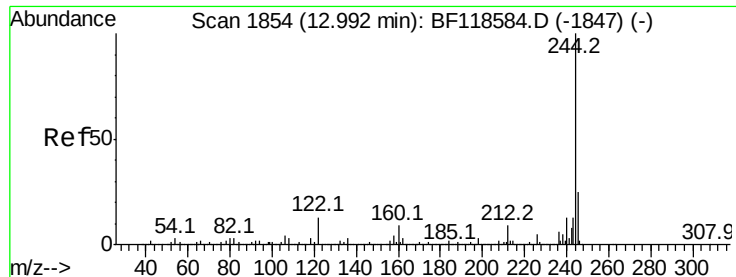


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 119.528 ng

RT: 12.99 min Scan# 1854

Delta R.T. 0.00 min

Lab File: BF118598.D

Acq: 20 Jan 2020 18:32

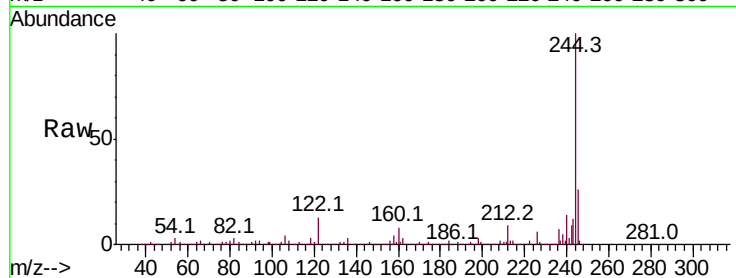
Instrument :

BNA_F

ClientSampleId :

Tot Ion:244 Resp: 5703195

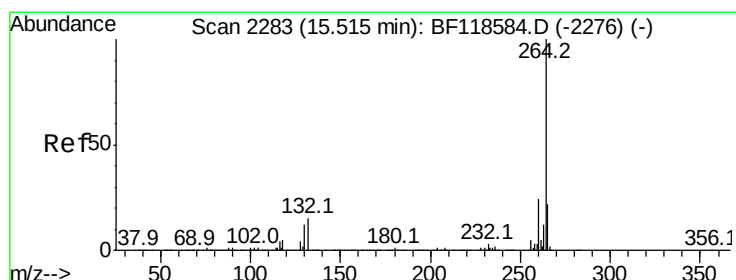
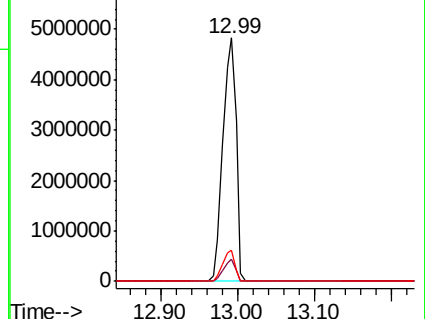
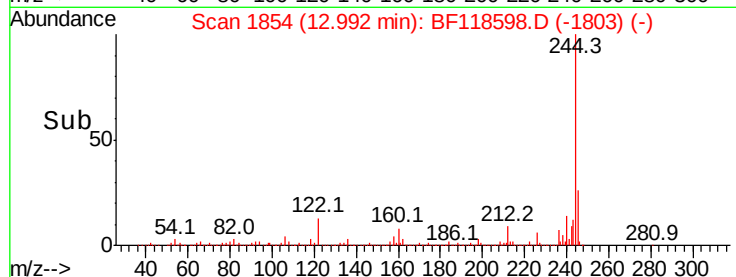
Ion	Ratio	Lower	Upper
244	100		
212	9.2	7.0	10.4
122	13.0	10.7	16.1



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: 15.50 min Scan# 2281

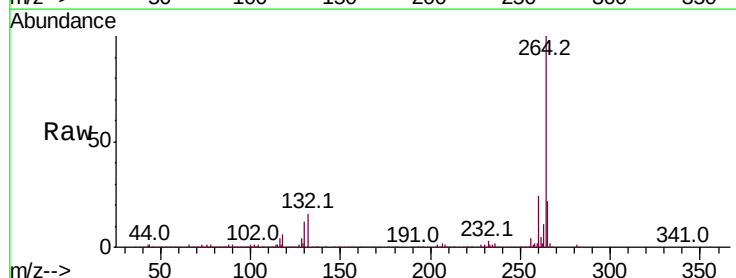
Delta R.T. -0.01 min

Lab File: BF118598.D

Acq: 20 Jan 2020 18:32

Tgt Ion:264 Resp: 1026699

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.6	29.4
265	22.0	17.7	26.5



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

