

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121819\
 Data File : BF118266.D
 Acq On : 18 Dec 2019 18:38
 Operator : JU
 Sample : K6330-06
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 19 03:09:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 06 17:34:43 2019
 Response via : Initial Calibration

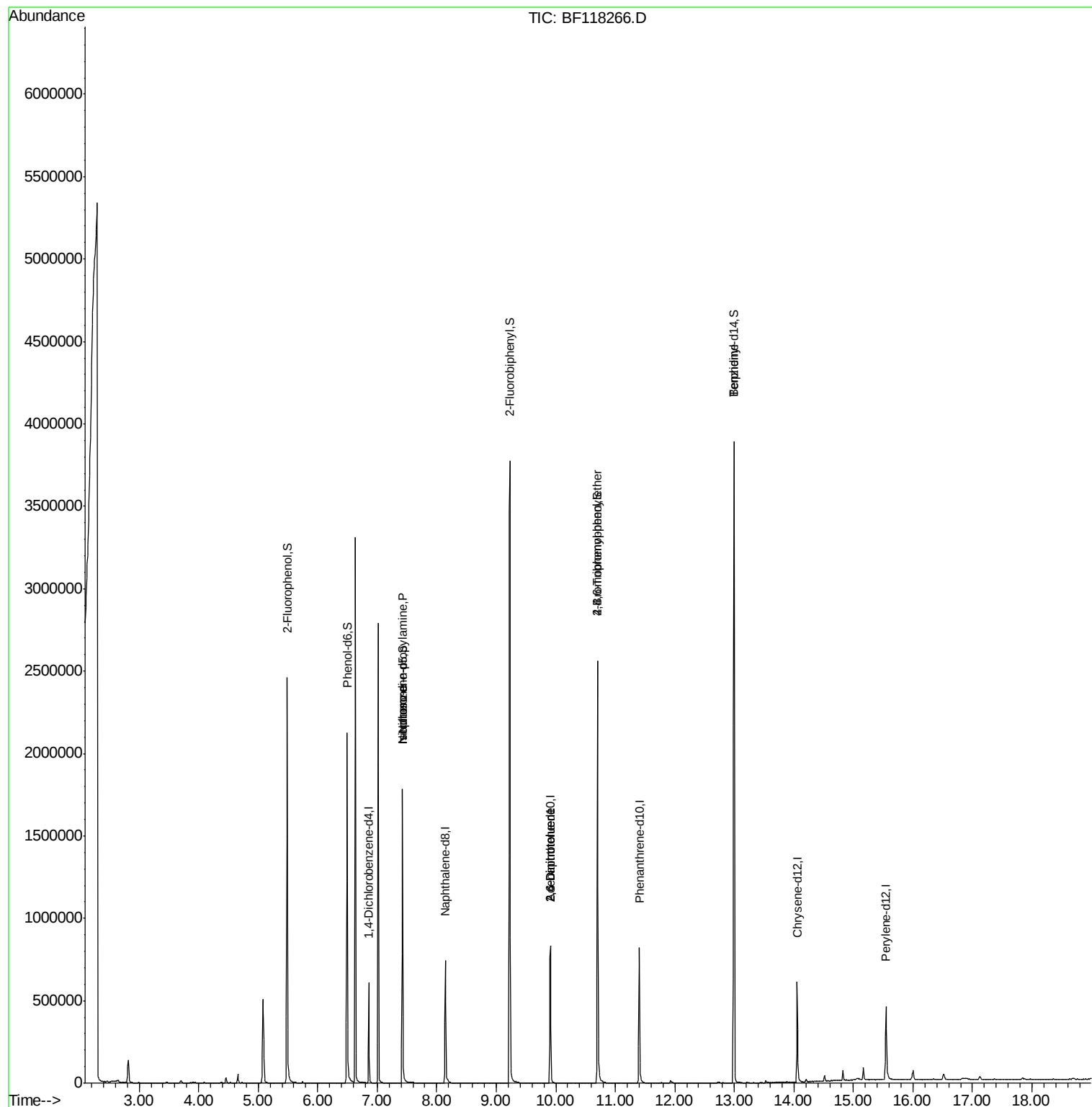
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	97797	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	374120	20.00	ng	-0.01
39) Acenaphthene-d10	9.91	164	194666	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	368008	20.00	ng	0.00
76) Chrysene-d12	14.06	240	236158	20.00	ng	-0.01
87) Perylene-d12	15.55	264	234289	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	722518	129.40	ng	0.00
7) Phenol-d6	6.49	99	807283	119.53	ng	0.00
23) Nitrobenzene-d5	7.43	82	606323	91.18	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	348419	147.33	ng	-0.01
45) 2-Fluorobiphenyl	9.23	172	1260266	98.51	ng	-0.01
79) Terphenyl-d14	13.00	244	1483643	108.03	ng	0.00
Target Compounds						
9) Benzaldehyde	6.49	77	969	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.43	70	82758	20.166 ng	#	75
25) Isophorone	7.43	82	606314	53.783 ng	#	62
51) 2,6-Dinitrotoluene	9.90	165	25521	8.163 ng	#	27
57) 2,4-Dinitrotoluene	9.90	165	25521	6.115 ng	#	24
67) 4-Bromophenyl-phenylether	10.70	248	21834	5.197 ng	#	1
77) Benizidine	12.99	184	20384	3.279 ng	#	93

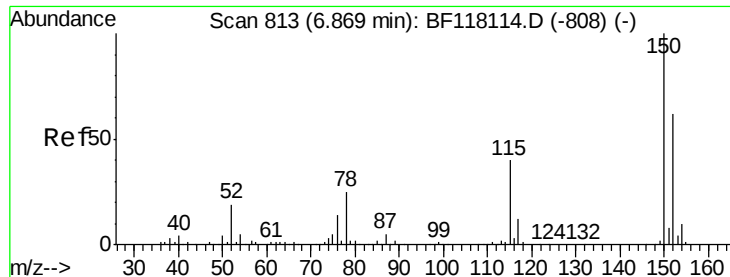
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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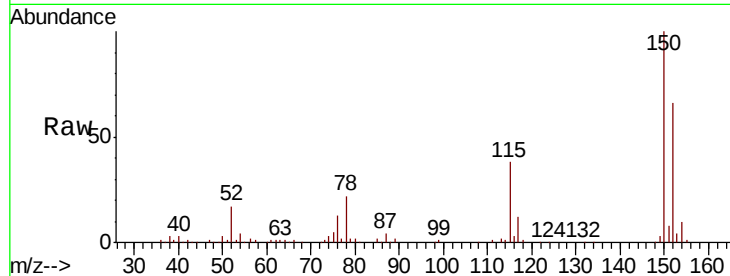


#1

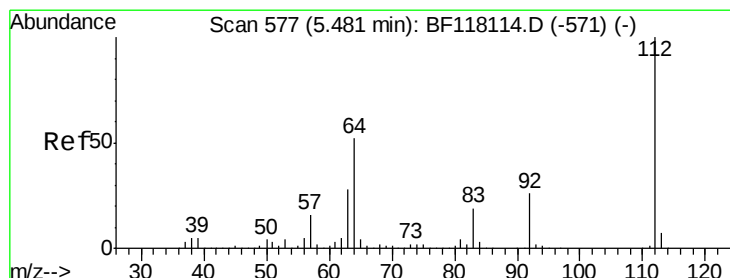
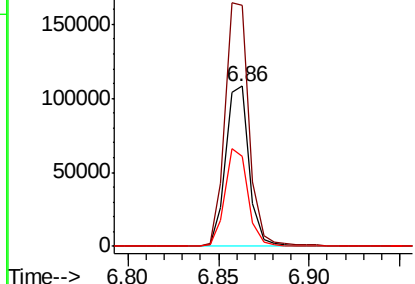
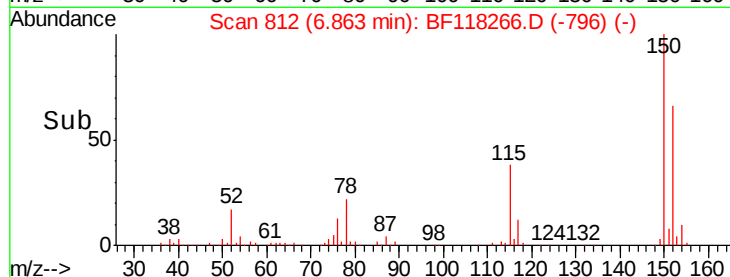
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF118266.D
Acq: 18 Dec 2019 18:38

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 97797
Ion Ratio Lower Upper
152 100
150 150.9 128.3 192.5
115 56.6 51.1 76.7



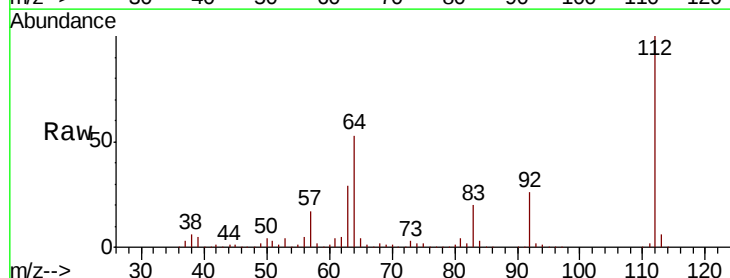
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



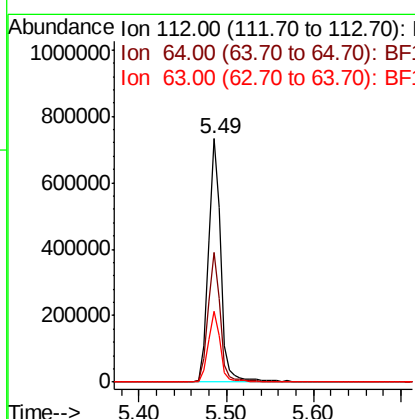
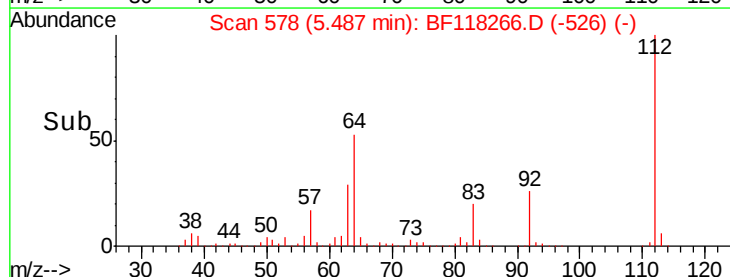
#5

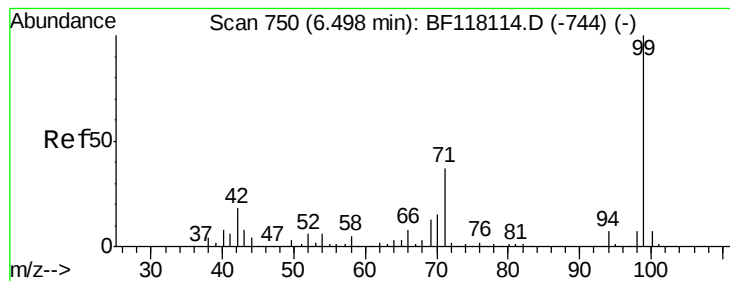
2-Fluorophenol
Concen: 129.397 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF118266.D
Acq: 18 Dec 2019 18:38

Tgt Ion:112 Resp: 722518
Ion Ratio Lower Upper
112 100
64 53.2 41.3 61.9
63 29.3 22.4 33.6



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: 119.532 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF118266.D

Acq: 18 Dec 2019 18:38

Instrument :

BNA_F

ClientSampled :

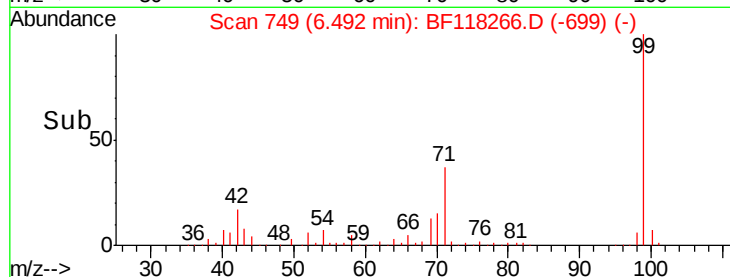
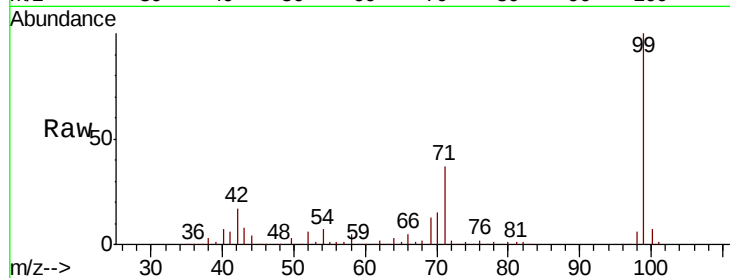
Tot Ion: 99 Resp: 807283

Ion Ratio Lower Upper

99 100

42 17.4 14.1 21.1

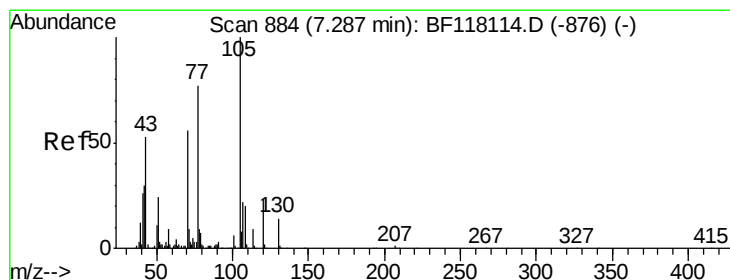
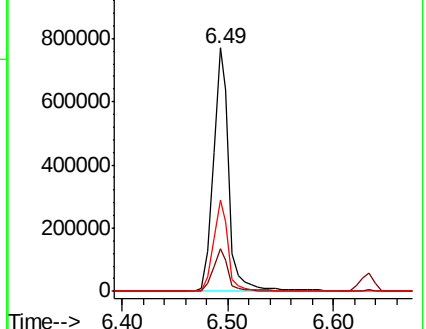
71 37.3 29.7 44.5



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: 20.166 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.14 min

Lab File: BF118266.D

Acq: 18 Dec 2019 18:38

Tgt Ion: 70 Resp: 82758

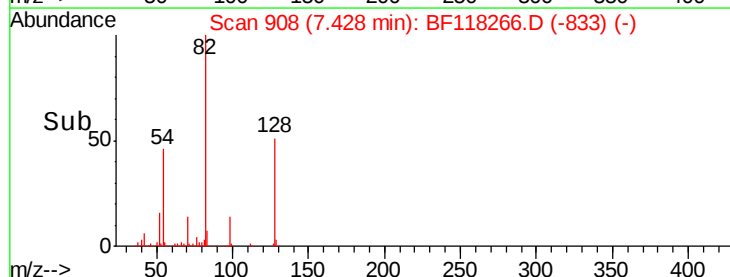
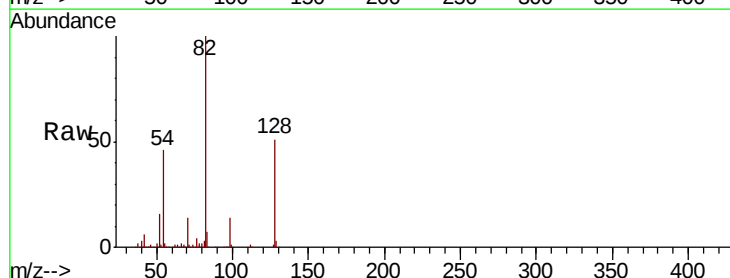
Ion Ratio Lower Upper

70 100

42 43.6 43.2 64.8

101 0.0 8.1 12.1#

130 2.1 19.8 29.8#

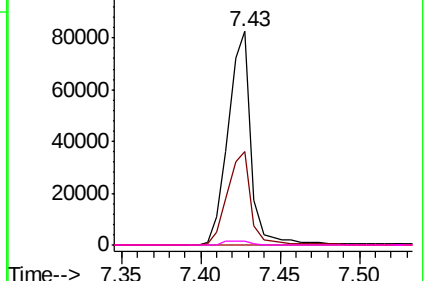


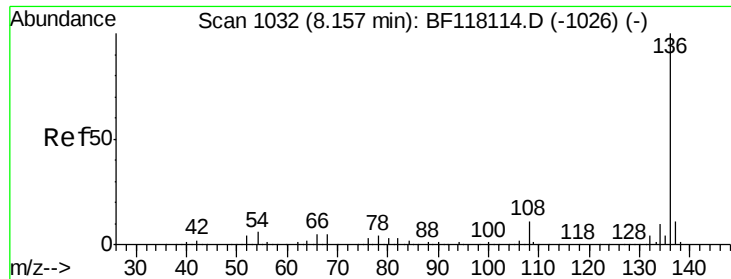
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

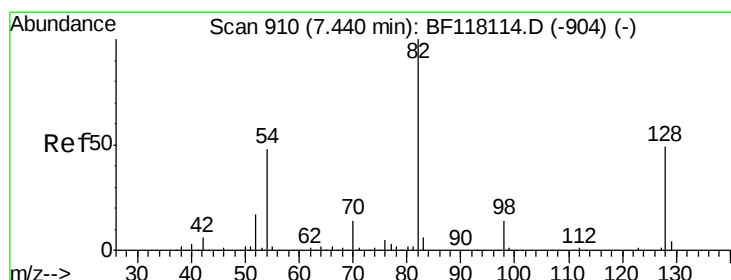
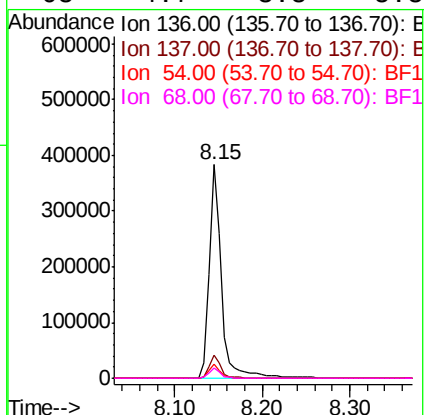
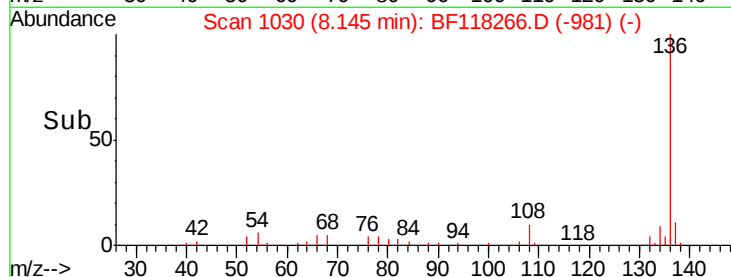
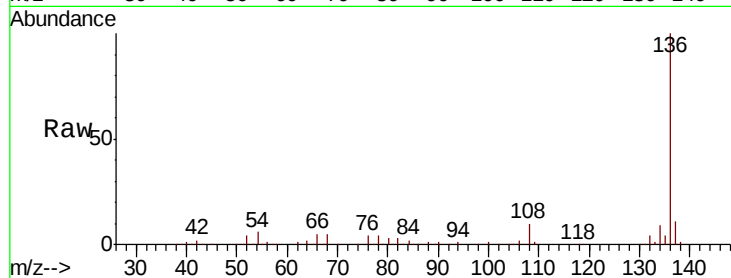




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF118266.D
Acq: 18 Dec 2019 18:38

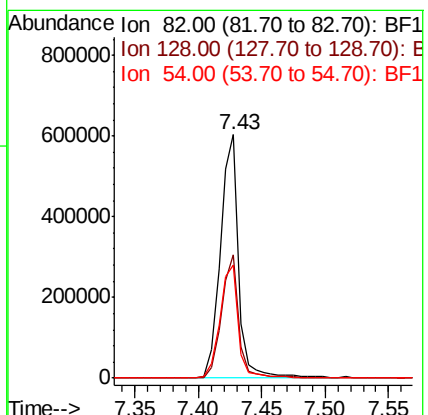
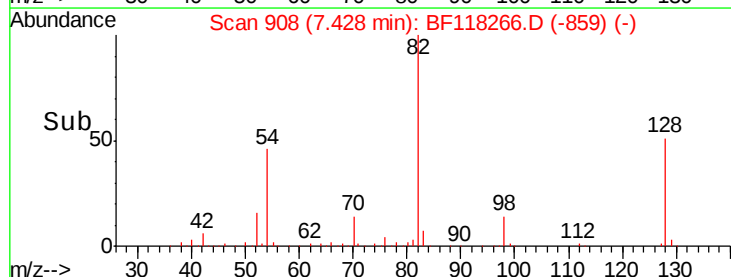
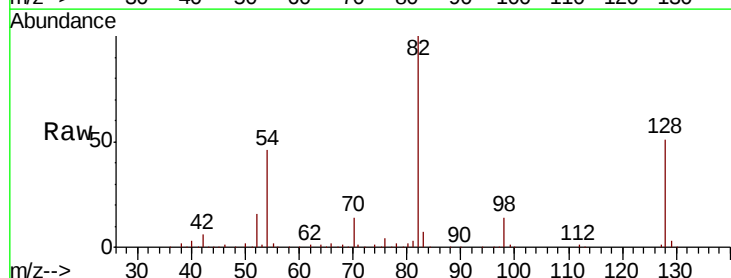
Instrument :
BNA_F
ClientSampled :

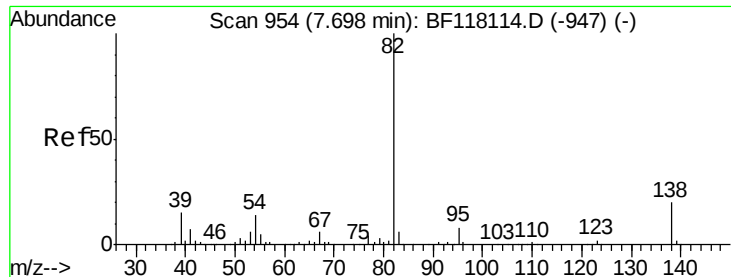
Tot Ion:136	Resp:	374120
Ion Ratio	Lower	Upper
136	100	
137	10.9	9.0 13.6
54	6.3	5.0 7.6
68	4.7	3.8 5.8



#23
Nitrobenzene-d5
Concen: 91.175 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF118266.D
Acq: 18 Dec 2019 18:38

Tgt Ion: 82	Resp:	606323
Ion Ratio	Lower	Upper
82	100	
128	50.8	39.1 58.7
54	46.2	38.2 57.2





#25

Isophorone

Concen: 53.783 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.27 min

Lab File: BF118266.D

Acq: 18 Dec 2019 18:38

Instrument :

BNA_F

ClientSampleId :

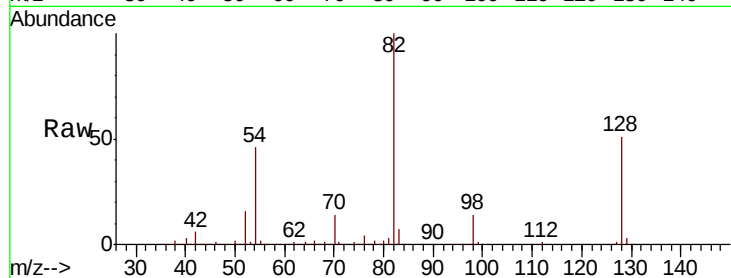
Tot Ion: 82 Resp: 606314

Ion Ratio Lower Upper

82 100

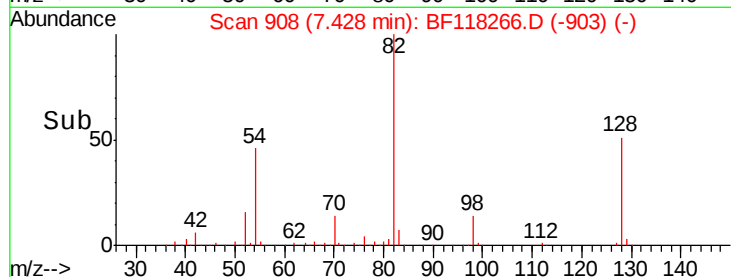
95 0.0 6.3 9.5#

138 0.0 16.3 24.5#

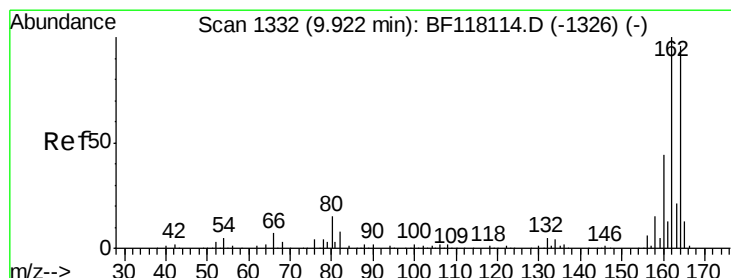


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): E

7.43



Time--> 7.35 7.40 7.45 7.50 7.55



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF118266.D

Acq: 18 Dec 2019 18:38

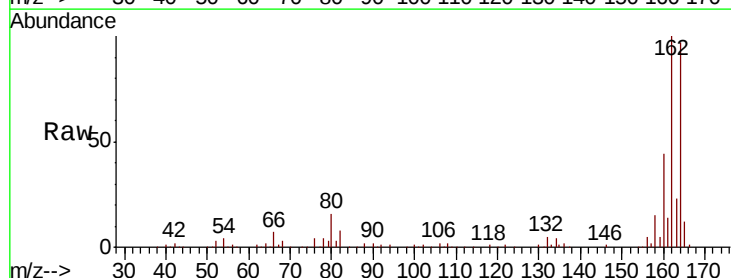
Tgt Ion:164 Resp: 194666

Ion Ratio Lower Upper

164 100

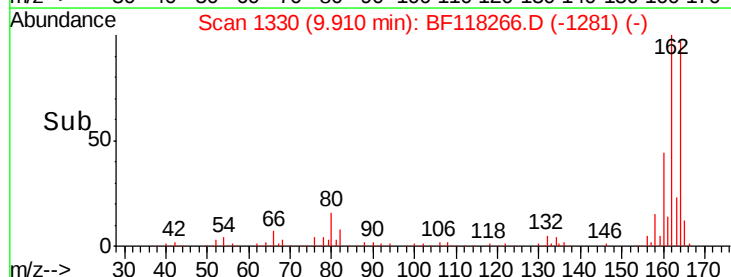
162 102.7 83.4 125.0

160 44.8 36.6 54.8

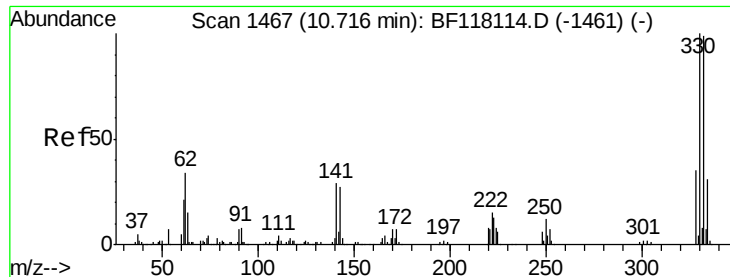


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

9.91



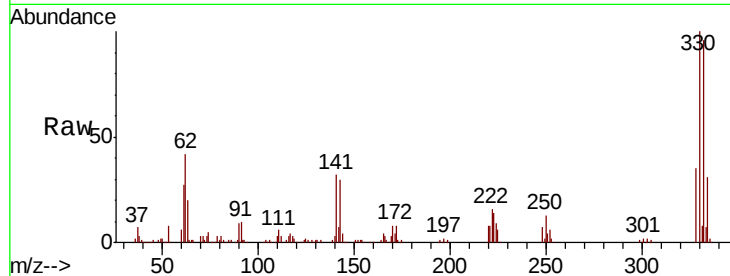
Time--> 9.80 9.90 10.00



#42
 2,4,6-Tribromophenol
 Concen: 147.333 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF118266.D
 Acq: 18 Dec 2019 18:38

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	78.1	117.1
141	32.4	26.9	40.3

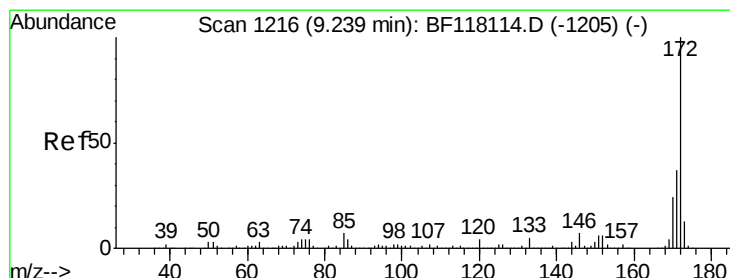
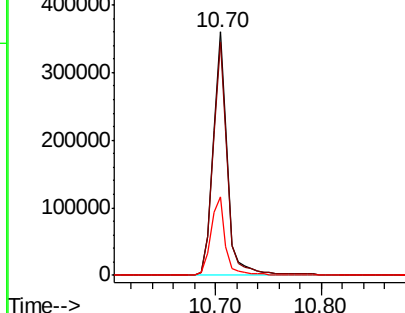
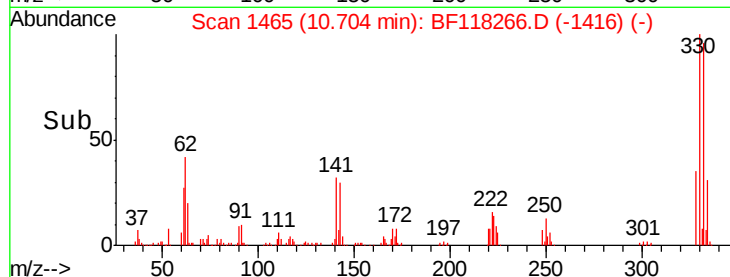


Abundance

Ion 329.80 (329.50 to 330.50): E

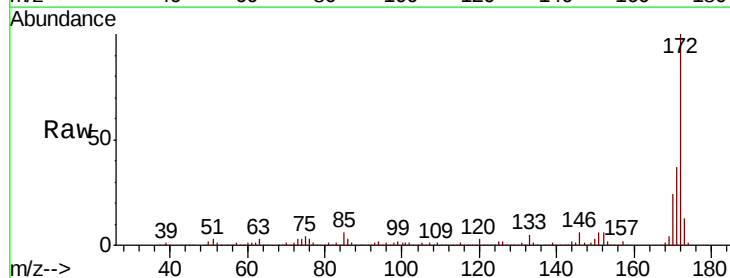
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 98.511 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF118266.D
 Acq: 18 Dec 2019 18:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.2	43.8
170	23.9	19.4	29.2

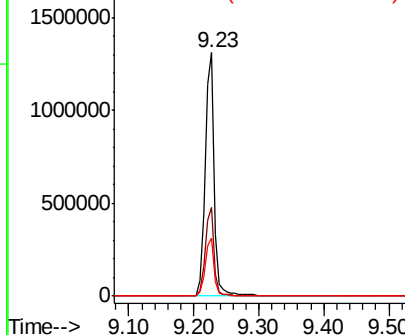
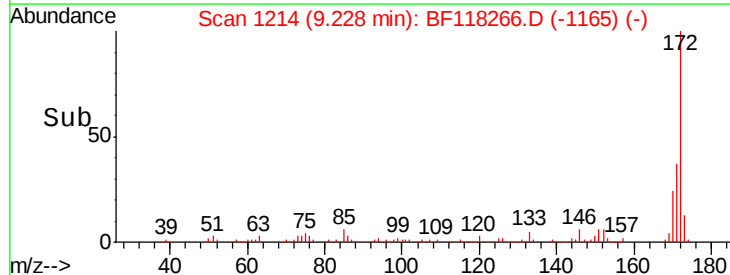


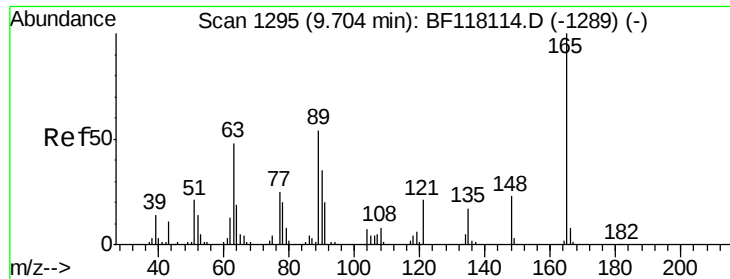
Abundance

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

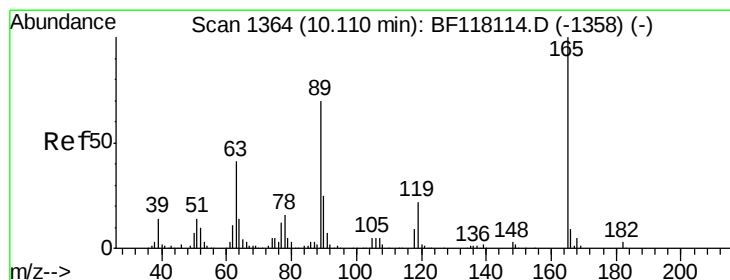
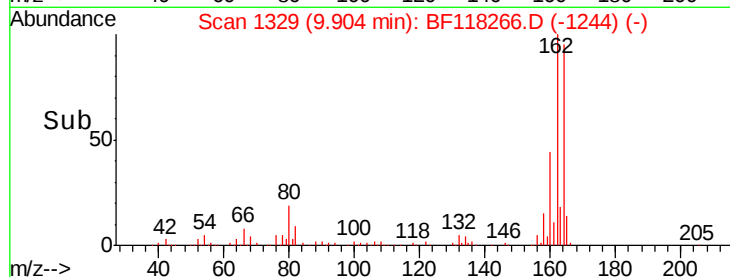
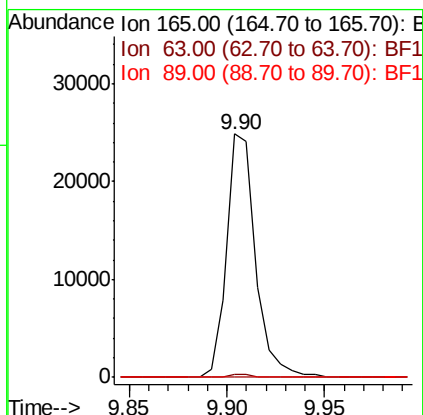
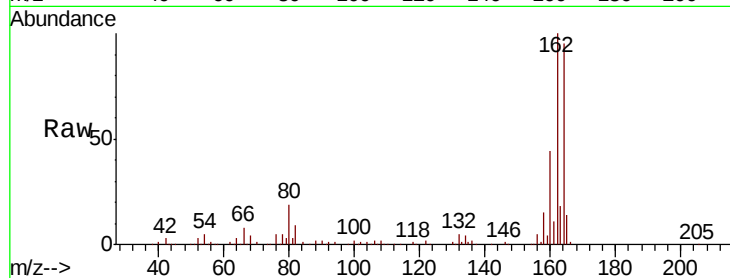




#51
 2,6-Dinitrotoluene
 Concen: 8.163 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. 0.20 min
 Lab File: BF118266.D
 Acq: 18 Dec 2019 18:38

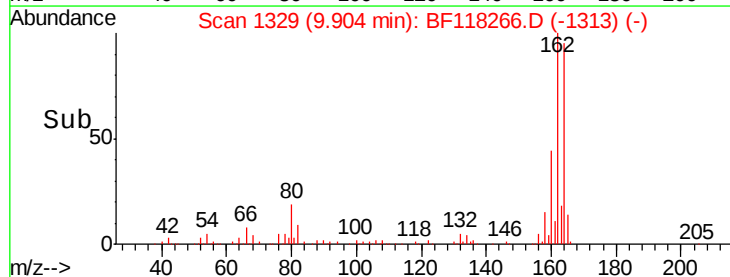
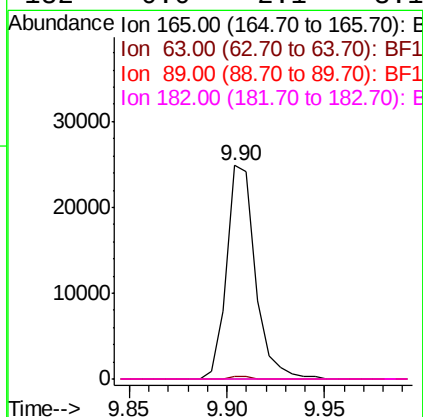
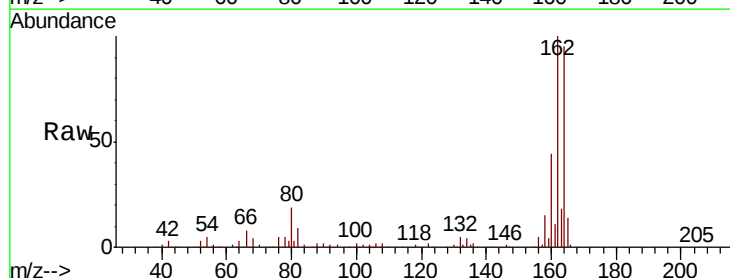
Instrument :
 BNA_F
 ClientSampleId :

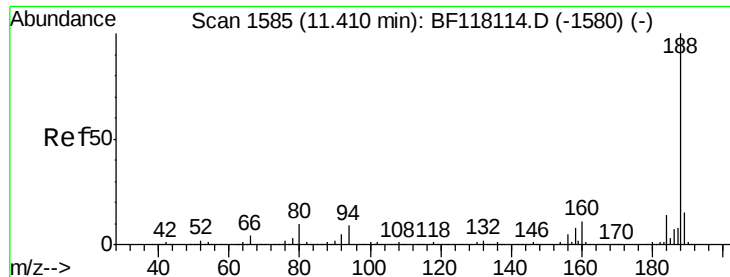
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	41.4	62.0#
89	0.0	42.9	64.3#



#57
 2,4-Dinitrotoluene
 Concen: 6.115 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. -0.21 min
 Lab File: BF118266.D
 Acq: 18 Dec 2019 18:38

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	32.6	49.0#
89	0.0	56.1	84.1#
182	0.0	2.1	3.1#

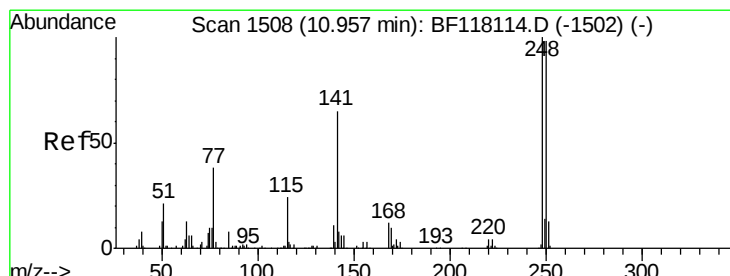
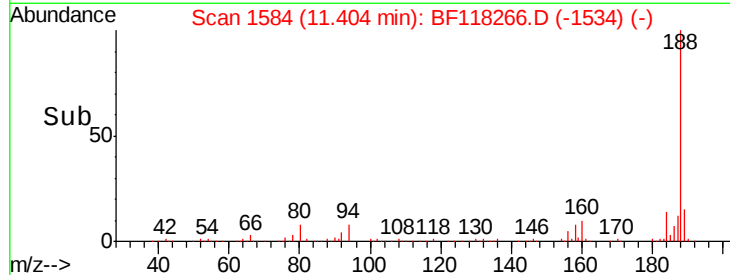
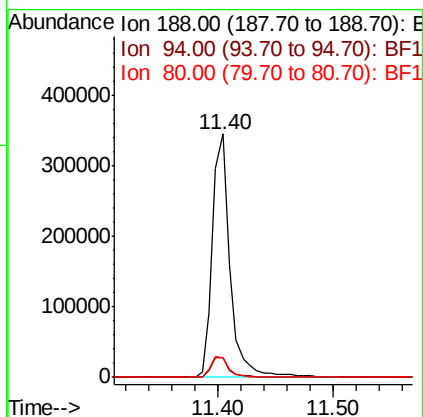
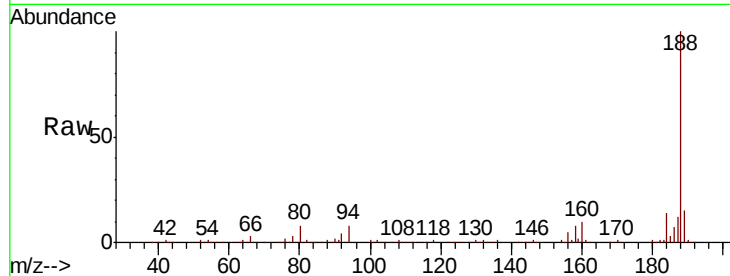




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF118266.D
 Acq: 18 Dec 2019 18:38

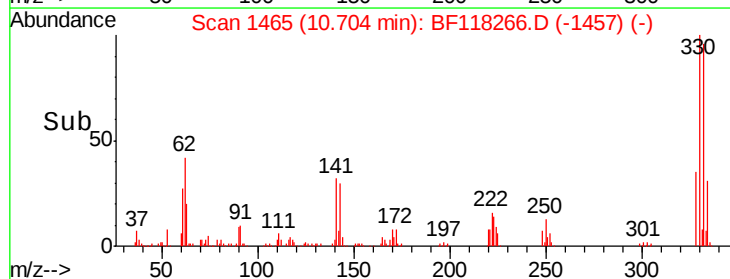
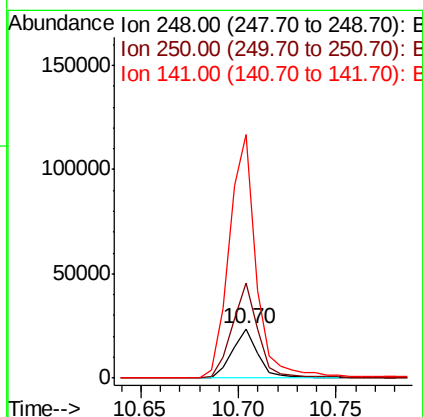
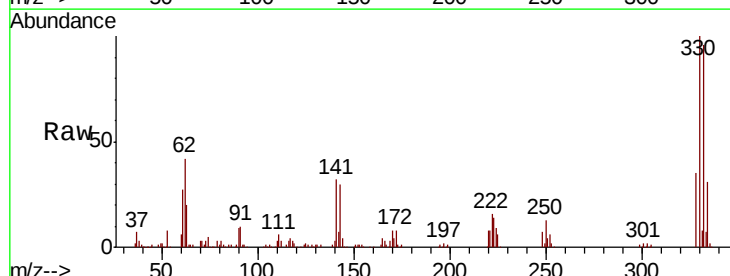
Instrument :
 BNA_F
 ClientSampleId :

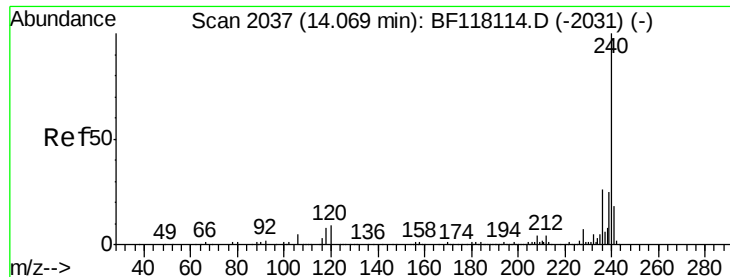
Tot Ion:188 Resp: 368008
 Ion Ratio Lower Upper
 188 100
 94 8.1 7.1 10.7
 80 8.0 7.9 11.9



#67
 4-Bromophenyl-phenylether
 Concen: 5.197 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.25 min
 Lab File: BF118266.D
 Acq: 18 Dec 2019 18:38

Tgt Ion:248 Resp: 21834
 Ion Ratio Lower Upper
 248 100
 250 192.6 78.3 117.5#
 141 492.4 52.2 78.4#

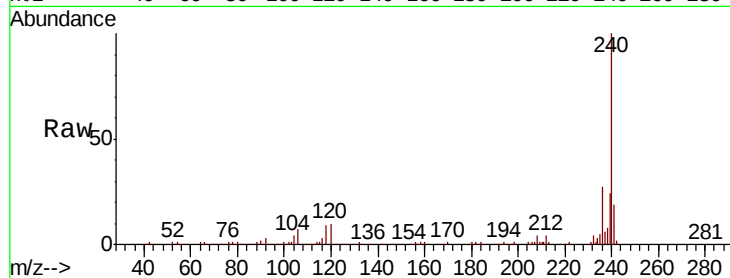




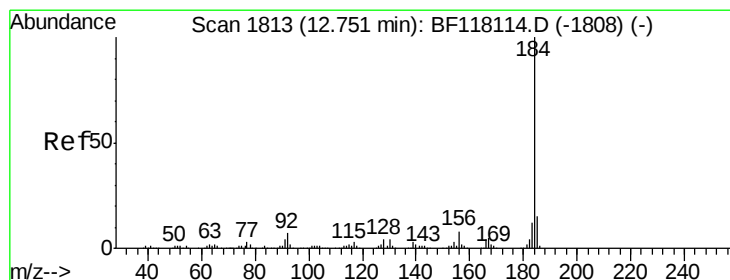
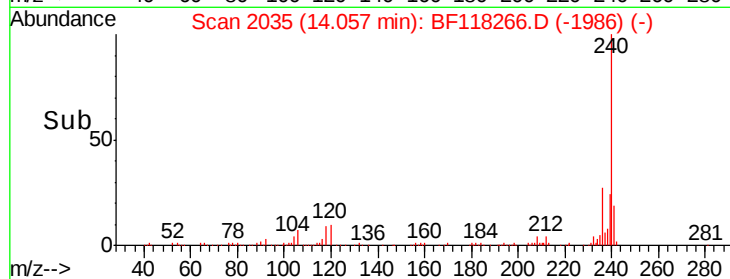
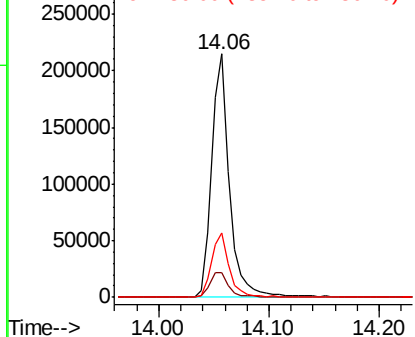
#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: BF118266.D
 Acq: 18 Dec 2019 18:38

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:240 Resp: 236158
 Ion Ratio Lower Upper
 240 100
 120 9.9 7.1 10.7
 236 26.7 21.0 31.6

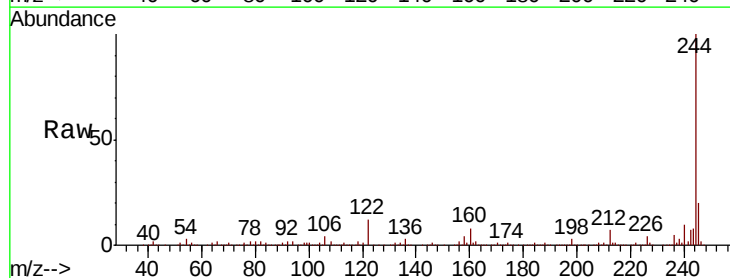


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

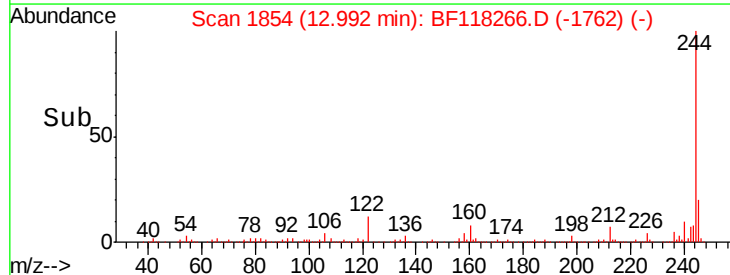
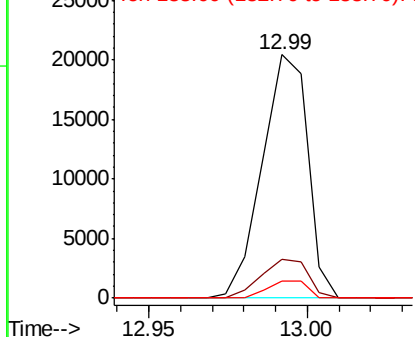


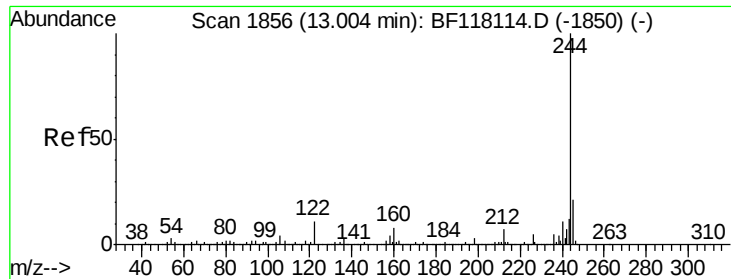
#77
 Benzidine
 Concen: 3.279 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. 0.24 min
 Lab File: BF118266.D
 Acq: 18 Dec 2019 18:38

Tgt Ion:184 Resp: 20384
 Ion Ratio Lower Upper
 184 100
 185 15.8 12.3 18.5
 183 7.1 9.9 14.9#



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: 108.034 ng

RT: 13.00 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BF118266.D

Acq: 18 Dec 2019 18:38

Instrument :

BNA_F

ClientSampleId :

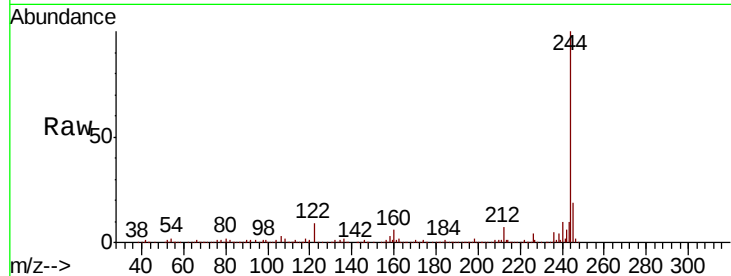
Tot Ion:244 Resp: 1483643

Ion Ratio Lower Upper

244 100

212 6.6 5.9 8.9

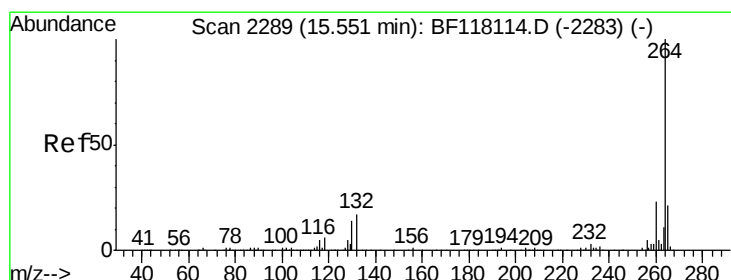
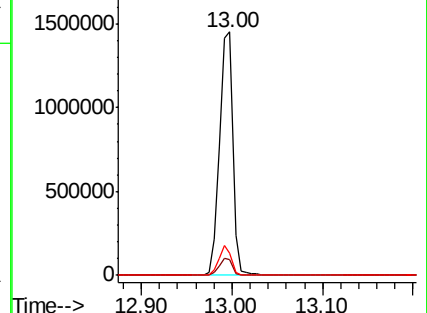
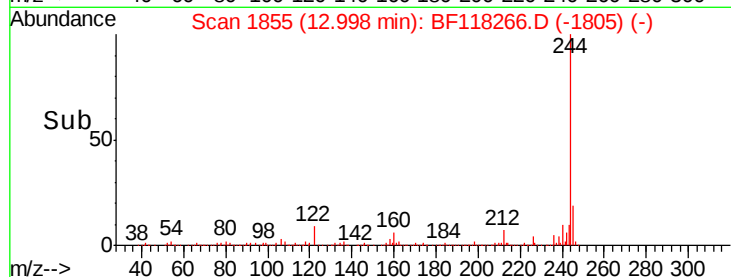
122 9.2 9.0 13.6



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: 15.55 min Scan# 2289

Delta R.T. -0.00 min

Lab File: BF118266.D

Acq: 18 Dec 2019 18:38

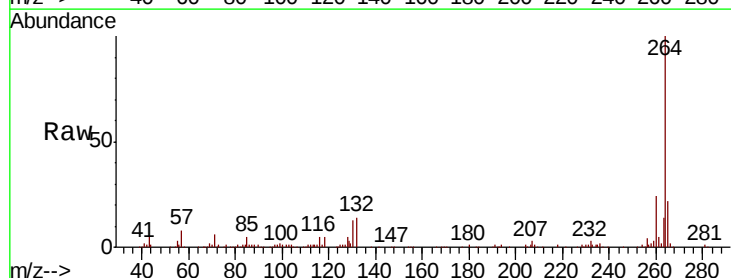
Tgt Ion:264 Resp: 234289

Ion Ratio Lower Upper

264 100

260 24.2 18.6 28.0

265 22.4 16.8 25.2



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

