

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121819\
 Data File : BF118264.D
 Acq On : 18 Dec 2019 17:41
 Operator : JU
 Sample : K6330-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 19 03:09:20 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

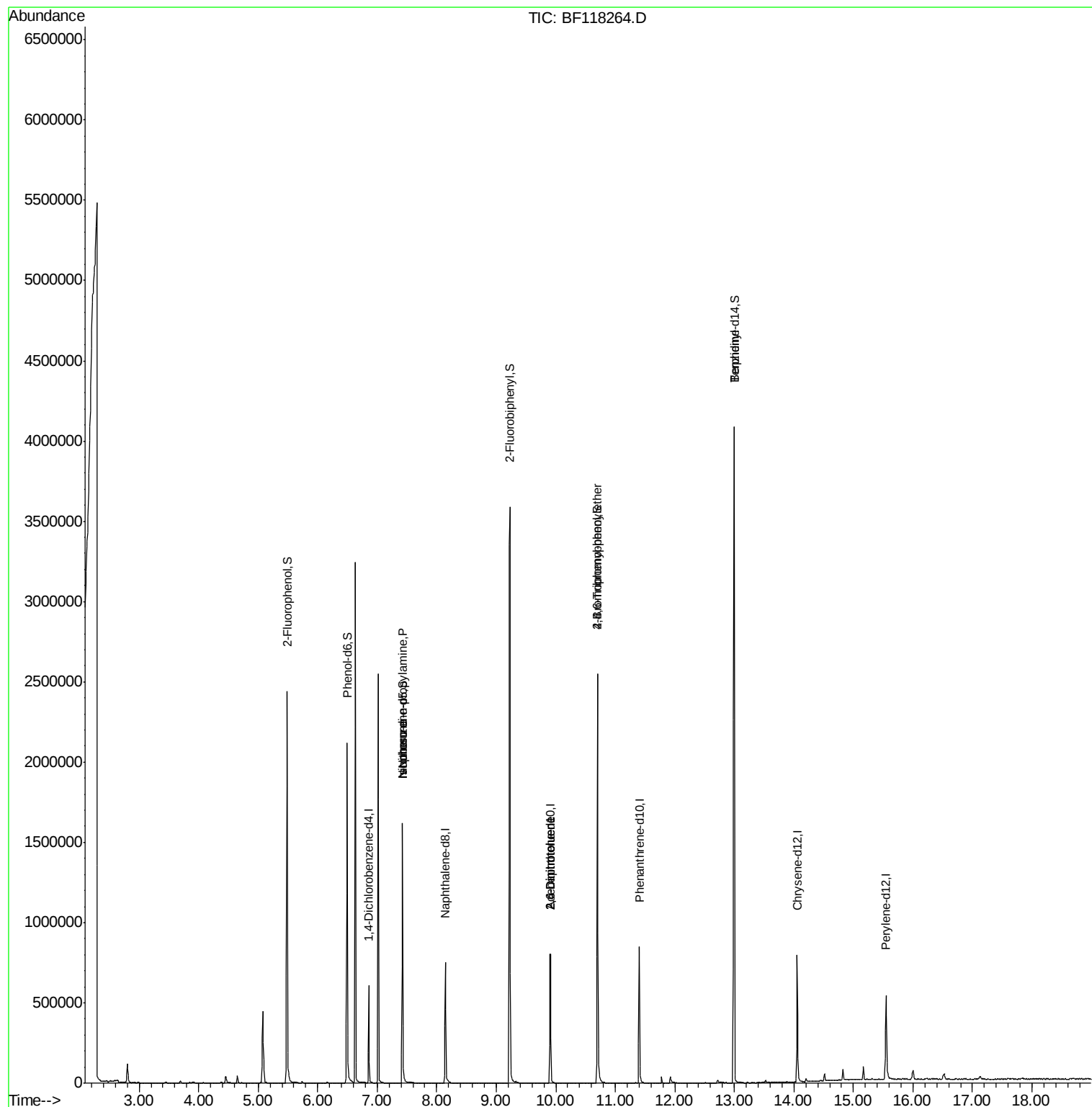
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	92779	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	361900	20.00	ng	-0.01
39) Acenaphthene-d10	9.91	164	191738	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	377074	20.00	ng	0.00
76) Chrysene-d12	14.06	240	296312	20.00	ng	-0.01
87) Perylene-d12	15.55	264	282255	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	688469	129.97	ng	0.00
7) Phenol-d6	6.49	99	786498	122.75	ng	0.00
23) Nitrobenzene-d5	7.43	82	571607	88.86	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	348493	149.61	ng	-0.01
45) 2-Fluorobiphenyl	9.23	172	1179502	93.61	ng	-0.01
79) Terphenyl-d14	13.00	244	1588993	92.22	ng	0.00
Target Compounds						
9) Benzaldehyde	6.49	77	1036	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.42	70	78224	20.092 ng	#	78
25) Isophorone	7.43	82	571684	52.423 ng	#	62
51) 2,6-Dinitrotoluene	9.90	165	23897	7.760 ng	#	27
57) 2,4-Dinitrotoluene	9.90	165	23897	5.814 ng	#	25
67) 4-Bromophenyl-phenylether	10.70	248	21721	5.046 ng	#	1
77) Benzydine	12.99	184	21294	2.730 ng	#	92

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

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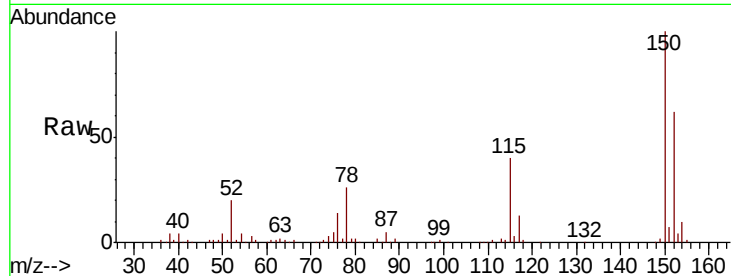


#1

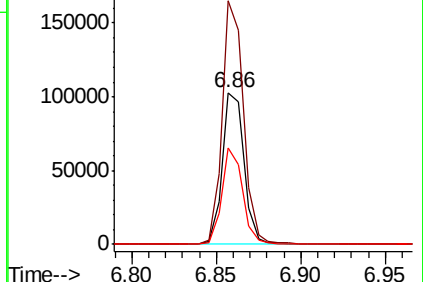
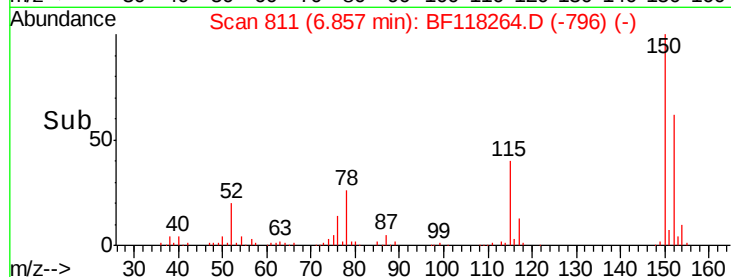
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF118264.D
Acq: 18 Dec 2019 17:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 92779
Ion Ratio Lower Upper
152 100
150 160.2 128.3 192.5
115 63.9 51.1 76.7



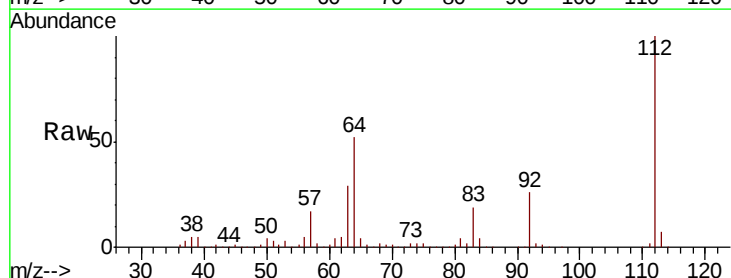
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



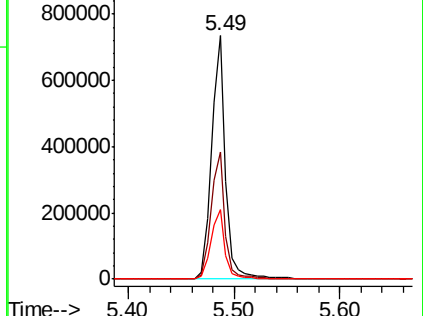
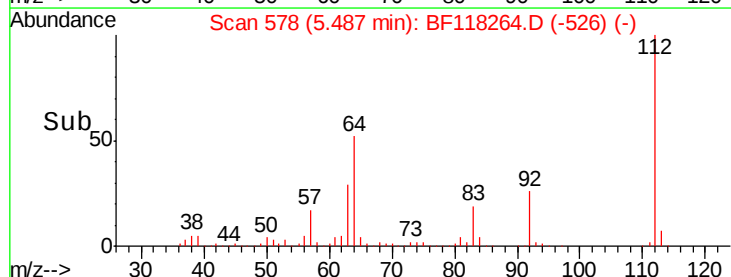
#5

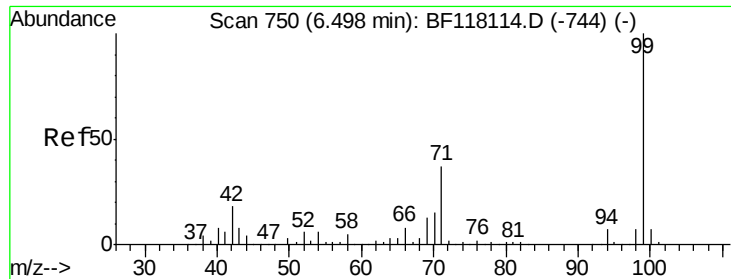
2-Fluorophenol
Concen: 129.968 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF118264.D
Acq: 18 Dec 2019 17:41

Tgt Ion:112 Resp: 688469
Ion Ratio Lower Upper
112 100
64 52.4 41.3 61.9
63 28.5 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: 122.753 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF118264.D

Acq: 18 Dec 2019 17:41

Instrument :

BNA_F

ClientSampled :

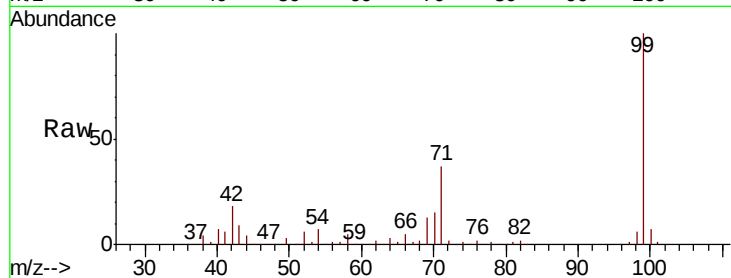
Tot Ion: 99 Resp: 786498

Ion Ratio Lower Upper

99 100

42 17.9 14.1 21.1

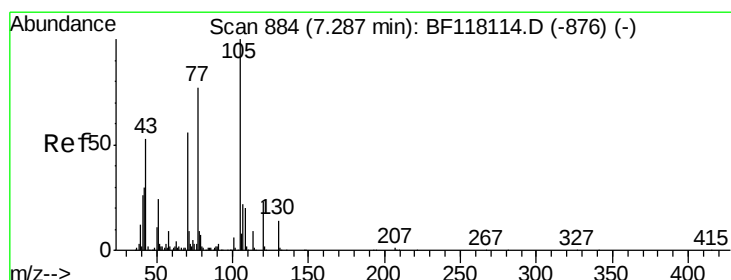
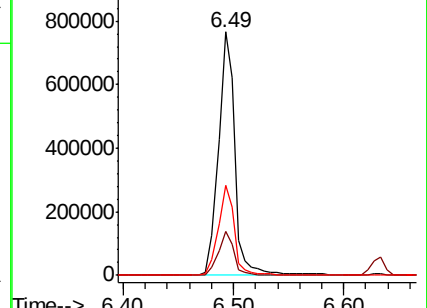
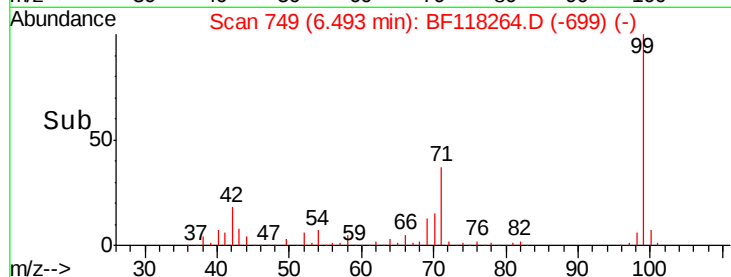
71 37.2 29.7 44.5



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: 20.092 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.14 min

Lab File: BF118264.D

Acq: 18 Dec 2019 17:41

Tgt Ion: 70 Resp: 78224

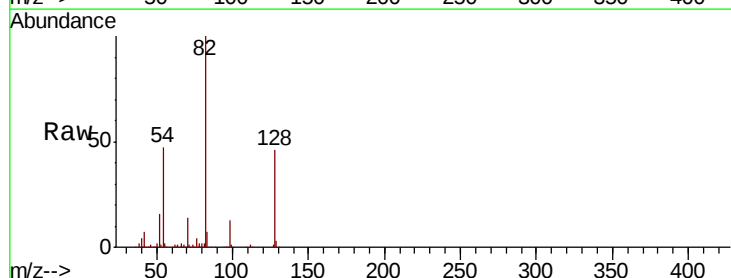
Ion Ratio Lower Upper

70 100

42 46.9 43.2 64.8

101 0.0 8.1 12.1#

130 2.0 19.8 29.8#

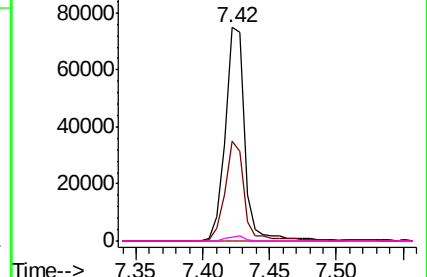
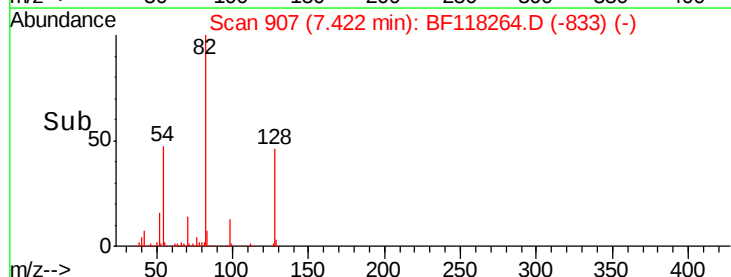


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

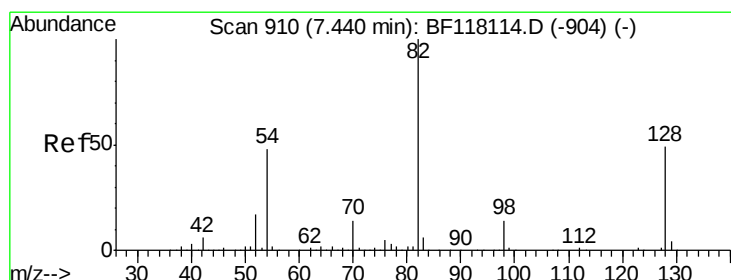
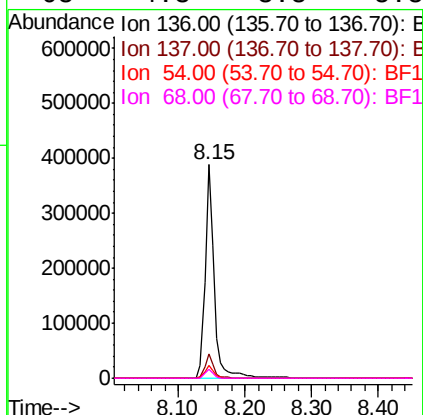
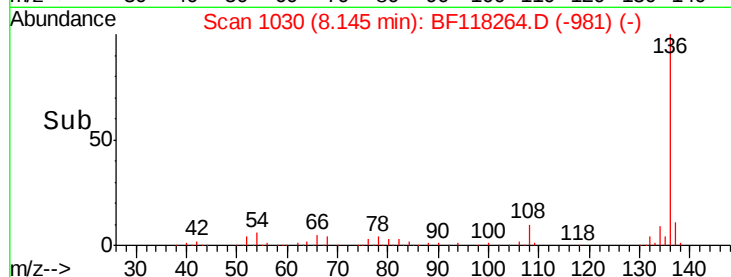
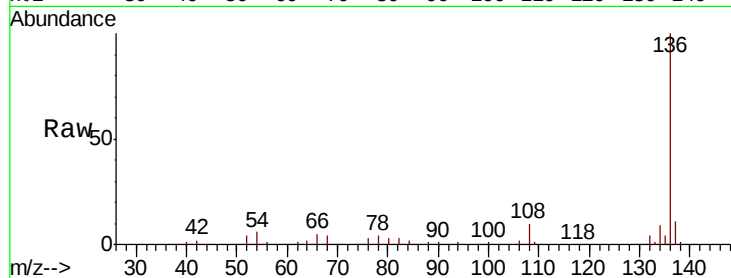




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF118264.D
Acq: 18 Dec 2019 17:41

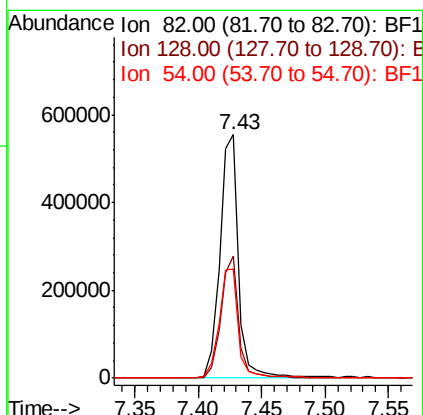
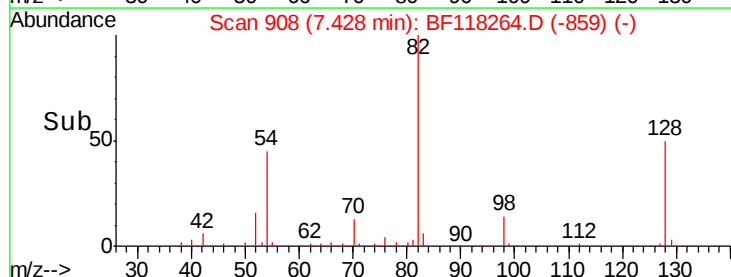
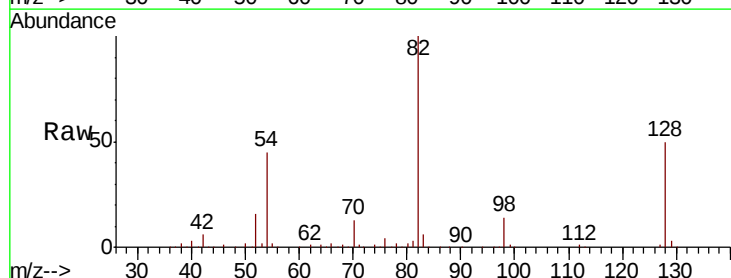
Instrument :
BNA_F
ClientSampled :

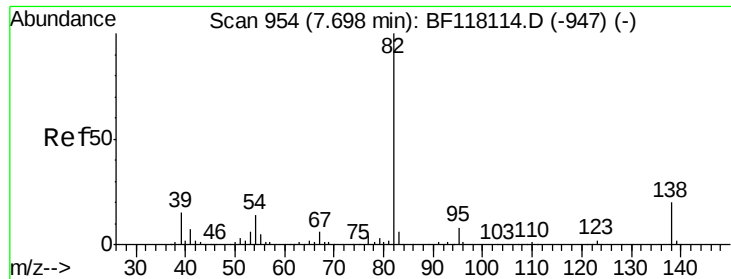
Tot Ion:136	Resp:	361900
Ion Ratio	Lower	Upper
136	100	
137	11.3	9.0 13.6
54	6.0	5.0 7.6
68	4.3	3.8 5.8



#23
Nitrobenzene-d5
Concen: 88.857 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF118264.D
Acq: 18 Dec 2019 17:41

Tgt Ion: 82	Resp:	571607
Ion Ratio	Lower	Upper
82	100	
128	49.9	39.1 58.7
54	45.0	38.2 57.2





#25

Isophorone

Concen: 52.423 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.27 min

Lab File: BF118264.D

Acq: 18 Dec 2019 17:41

Instrument :

BNA_F

ClientSampleId :

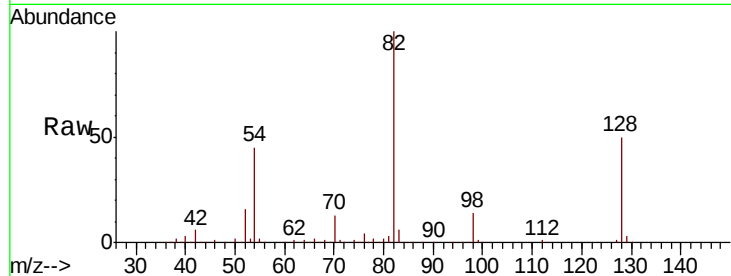
Tot Ion: 82 Resp: 571684

Ion Ratio Lower Upper

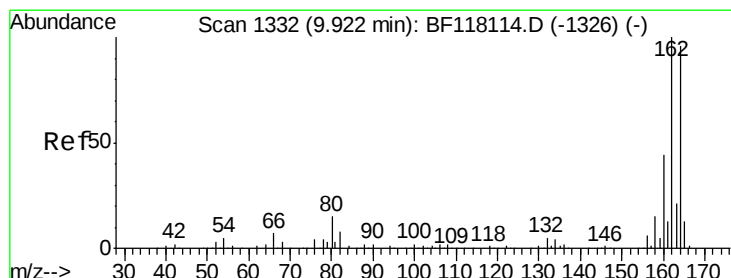
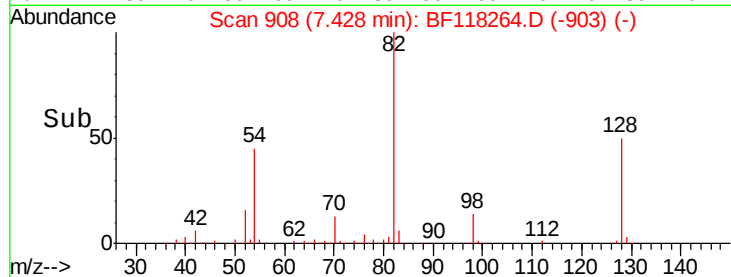
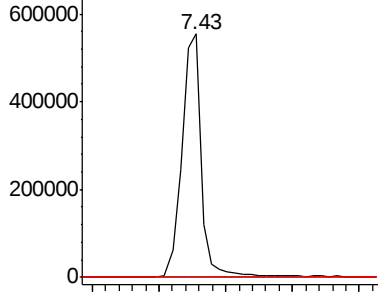
82 100

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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF118264.D

Acq: 18 Dec 2019 17:41

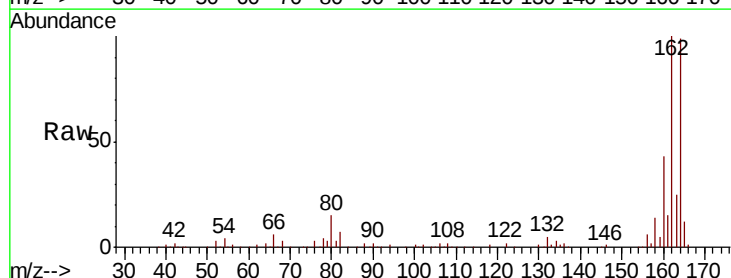
Tgt Ion: 164 Resp: 191738

Ion Ratio Lower Upper

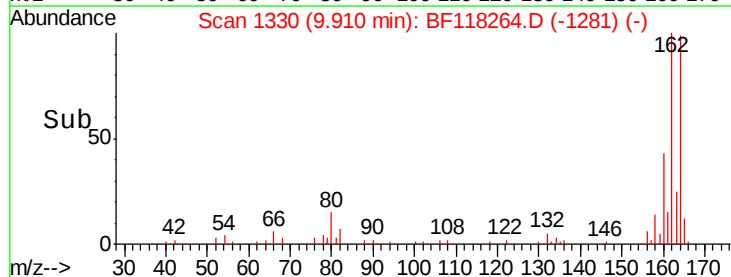
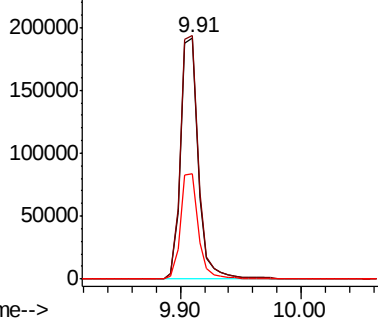
164 100

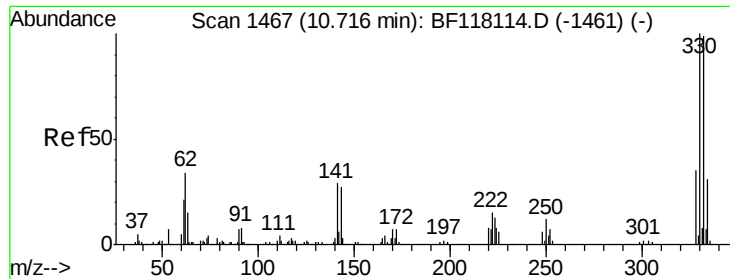
162 101.0 83.4 125.0

160 43.5 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

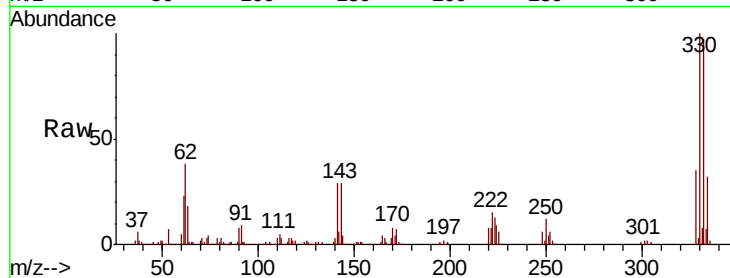




#42
 2,4,6-Tribromophenol
 Concen: 149.615 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF118264.D
 Acq: 18 Dec 2019 17:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	78.1	117.1
141	32.2	26.9	40.3

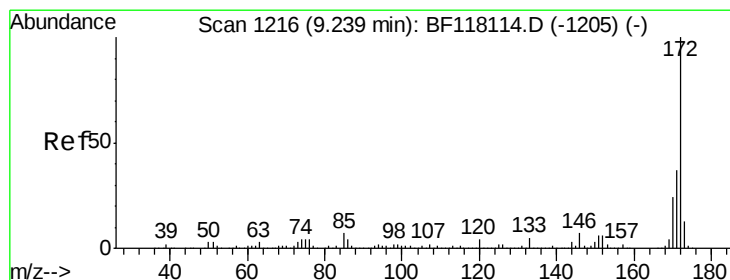
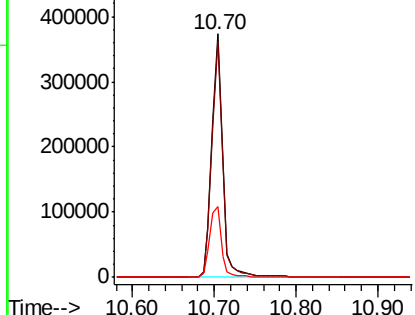
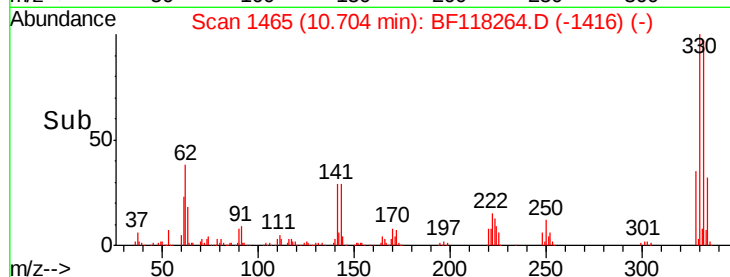


Abundance

Ion 329.80 (329.50 to 330.50): E

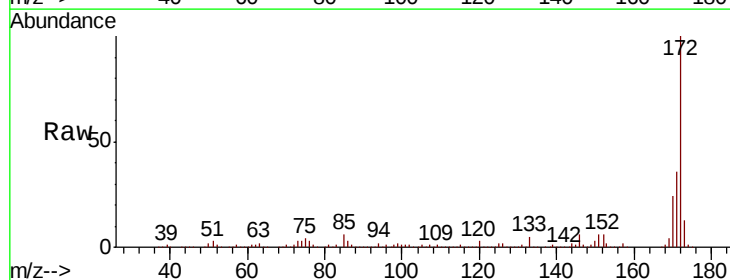
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 93.606 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF118264.D
 Acq: 18 Dec 2019 17:41

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.2	43.8
170	23.8	19.4	29.2

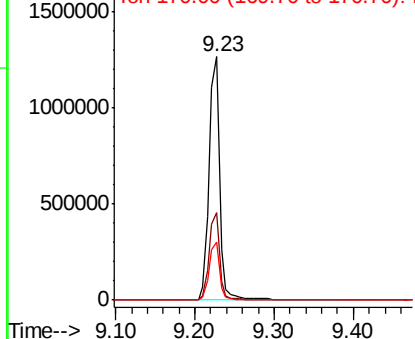
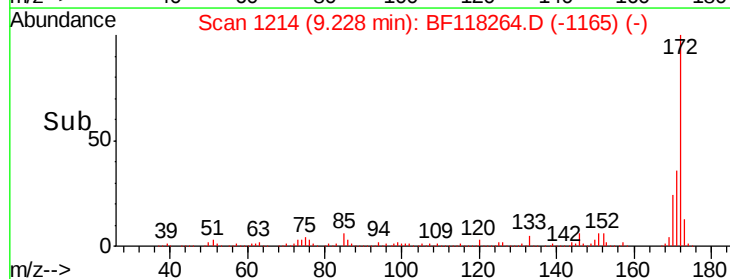


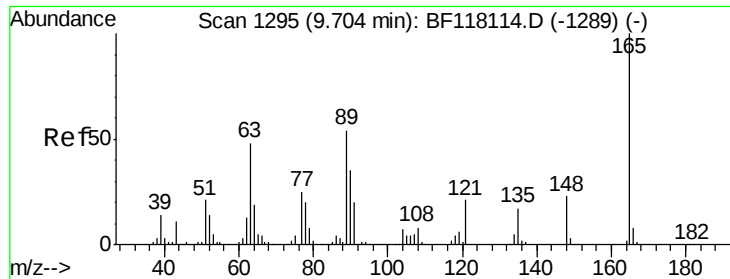
Abundance

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

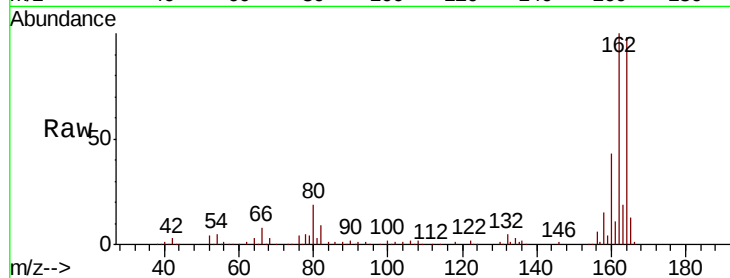




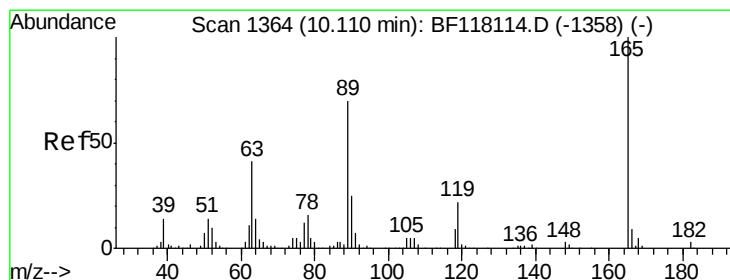
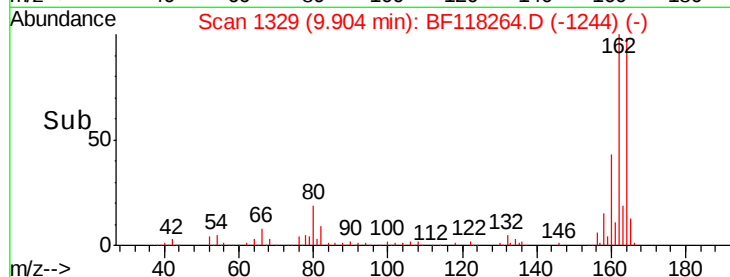
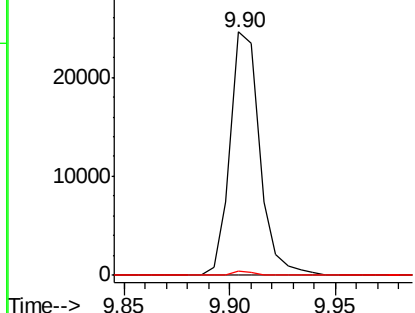
#51
 2,6-Dinitrotoluene
 Concen: 7.760 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. 0.20 min
 Lab File: BF118264.D
 Acq: 18 Dec 2019 17:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.4	62.0#
89	1.9	42.9	64.3#

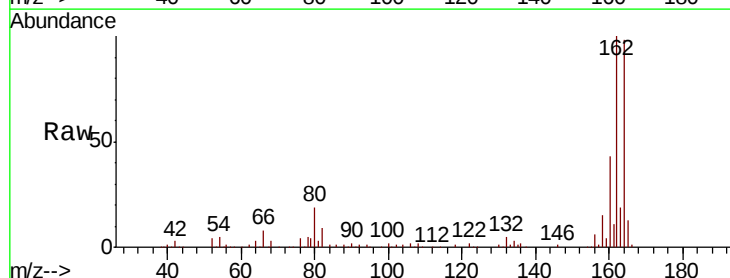


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

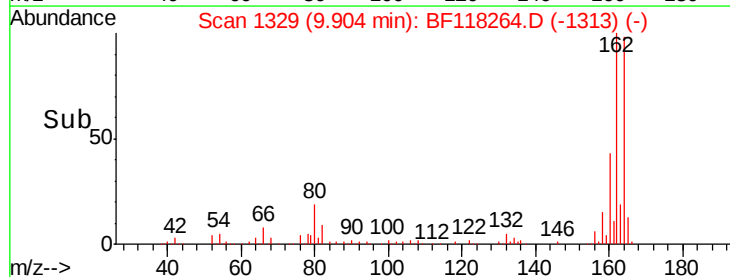
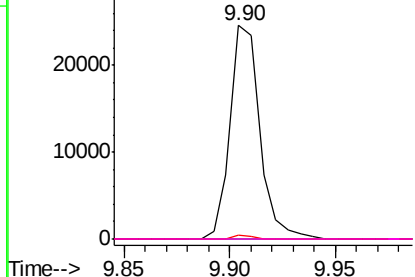


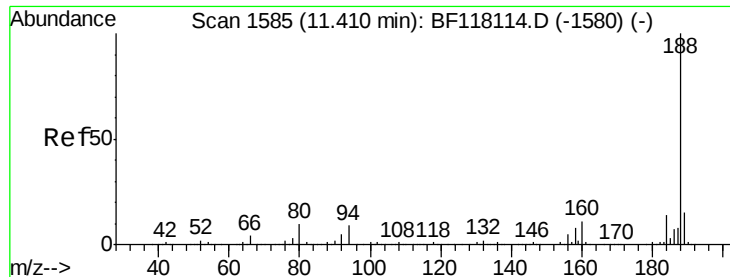
#57
 2,4-Dinitrotoluene
 Concen: 5.814 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. -0.21 min
 Lab File: BF118264.D
 Acq: 18 Dec 2019 17:41

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	32.6	49.0#
89	1.9	56.1	84.1#
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

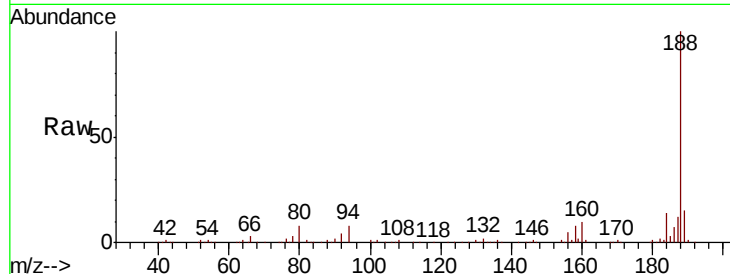




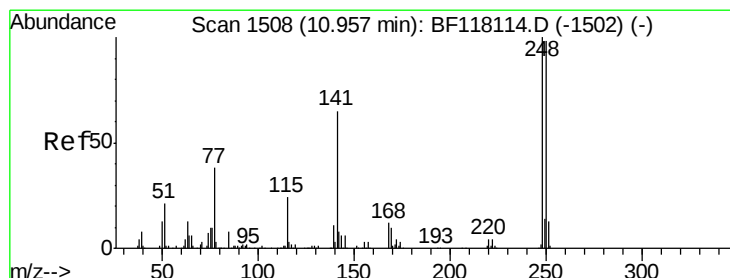
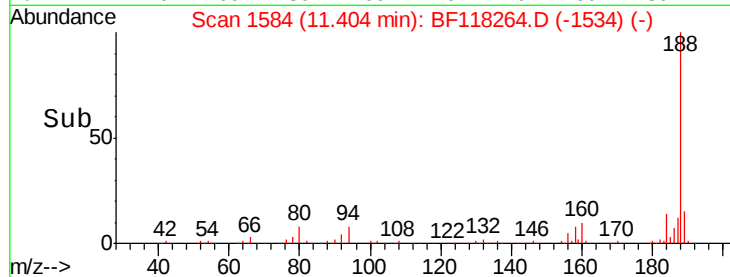
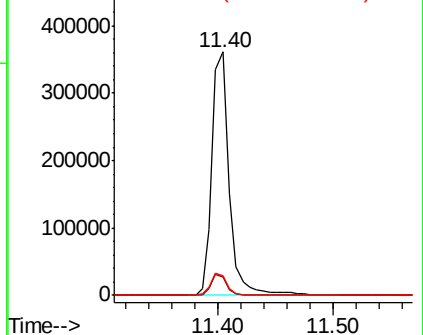
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF118264.D
Acq: 18 Dec 2019 17:41

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 377074
Ion Ratio Lower Upper
188 100
94 7.6 7.1 10.7
80 7.9 7.9 11.9

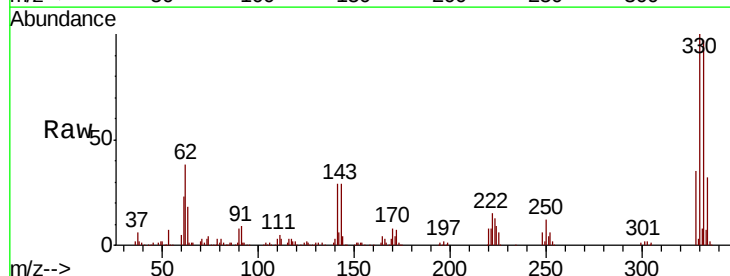


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

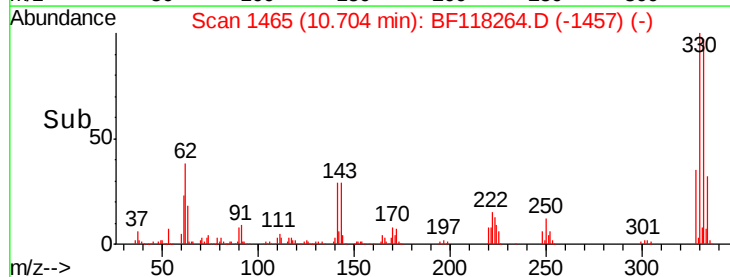
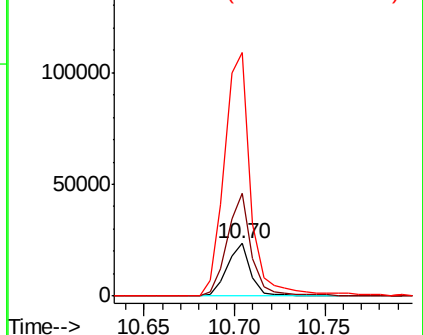


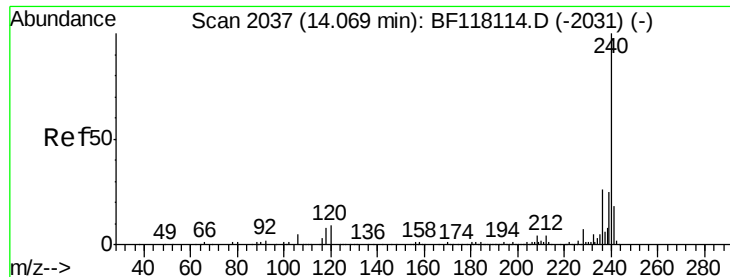
#67
4-Bromophenyl-phenylether
Concen: 5.046 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.25 min
Lab File: BF118264.D
Acq: 18 Dec 2019 17:41

Tgt Ion:248 Resp: 21721
Ion Ratio Lower Upper
248 100
250 197.5 78.3 117.5#
141 465.6 52.2 78.4#



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

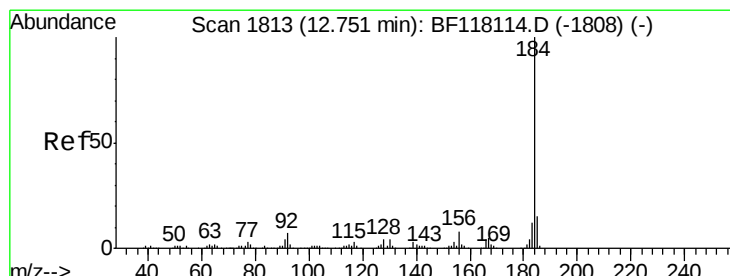
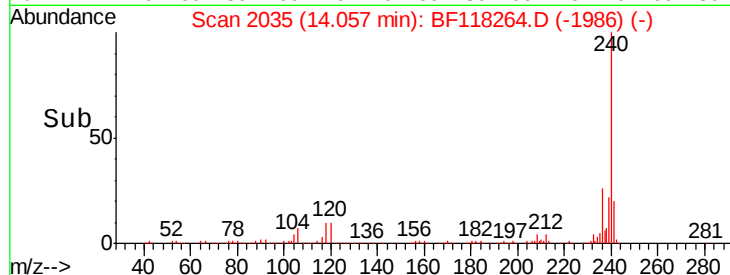
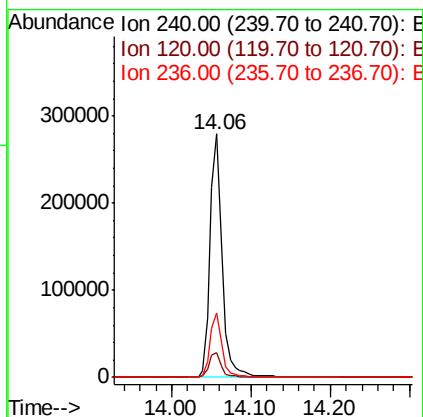
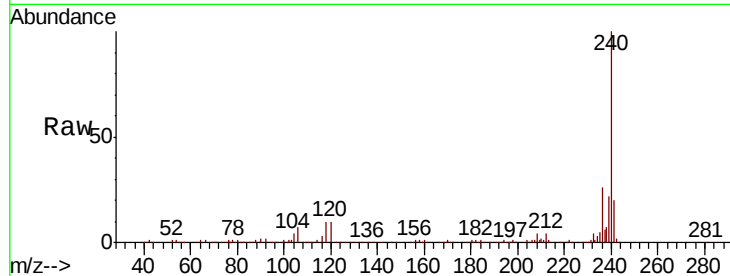




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF118264.D
Acq: 18 Dec 2019 17:41

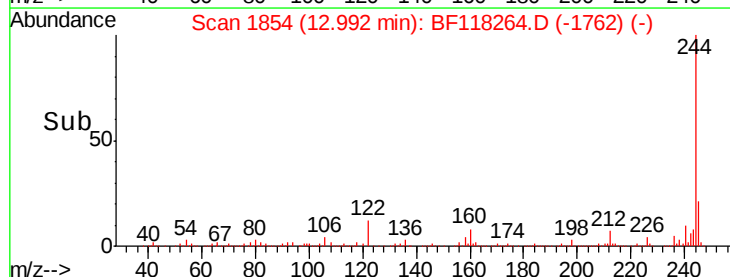
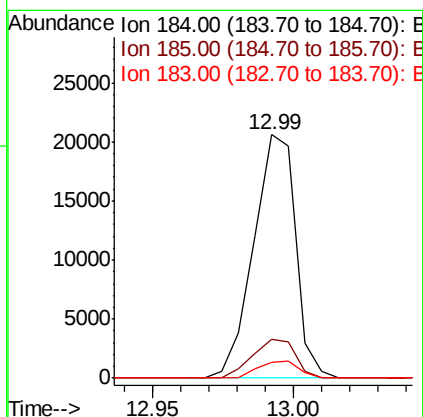
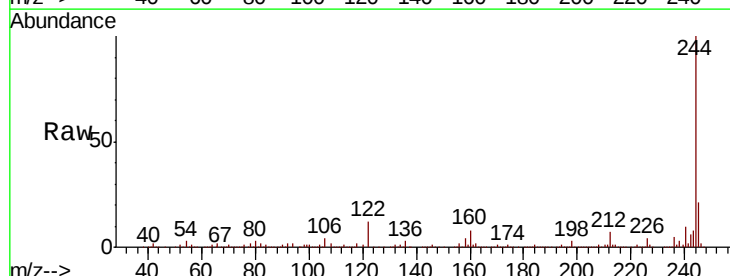
Instrument :
BNA_F
ClientSampleId :

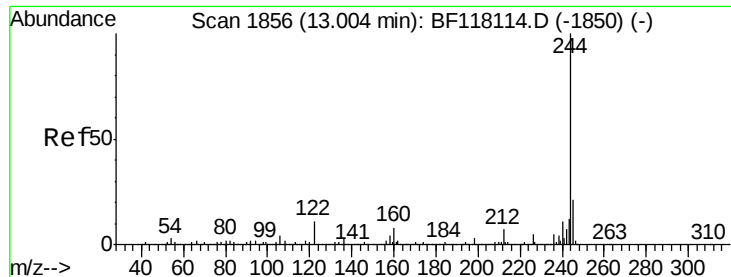
Tot Ion:240 Resp: 296312
Ion Ratio Lower Upper
240 100
120 10.0 7.1 10.7
236 26.3 21.0 31.6



#77
Benzidine
Concen: 2.730 ng
RT: 12.99 min Scan# 1854
Delta R.T. 0.24 min
Lab File: BF118264.D
Acq: 18 Dec 2019 17:41

Tgt Ion:184 Resp: 21294
Ion Ratio Lower Upper
184 100
185 16.0 12.3 18.5
183 6.2 9.9 14.9#





#79

Terphenyl-d14

Concen: 92.216 ng

RT: 13.00 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BF118264.D

Acq: 18 Dec 2019 17:41

Instrument :

BNA_F

ClientSampleId :

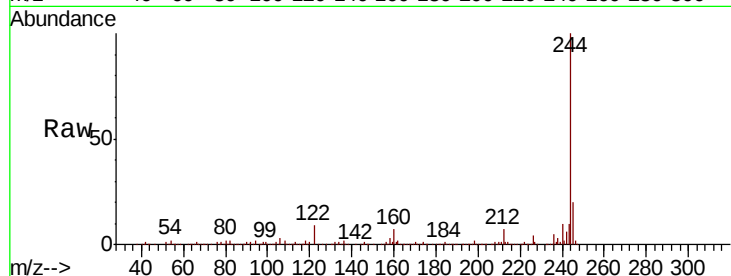
Tot Ion:244 Resp: 1588993

Ion Ratio Lower Upper

244 100

212 6.9 5.9 8.9

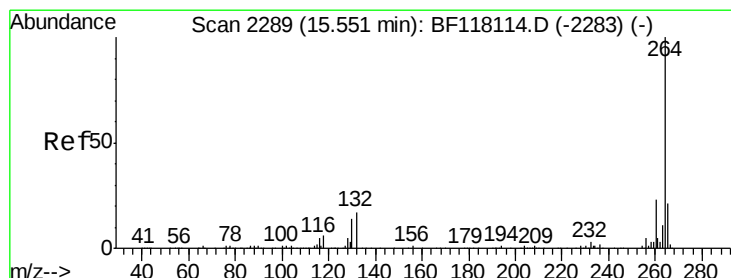
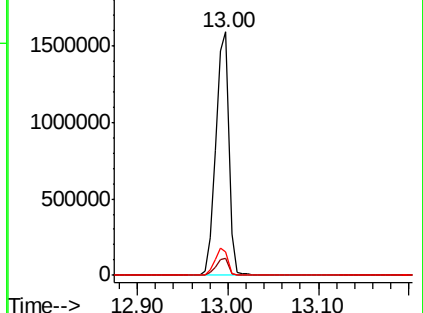
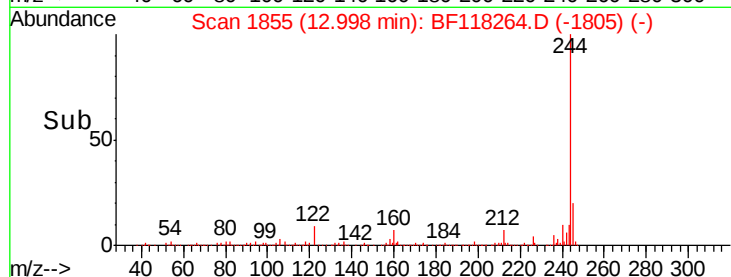
122 9.4 9.0 13.6



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: BF118264.D

Acq: 18 Dec 2019 17:41

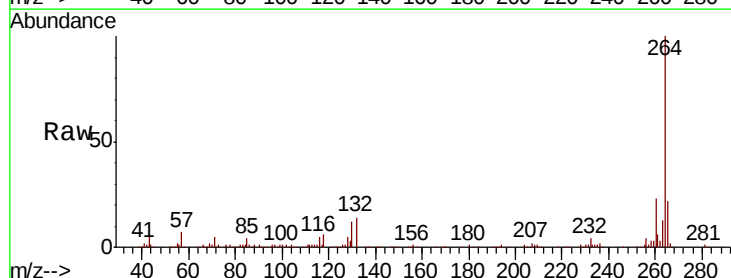
Tgt Ion:264 Resp: 282255

Ion Ratio Lower Upper

264 100

260 22.9 18.6 28.0

265 21.7 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

