

Data File : BF118516.D
Acq On : 10 Jan 2020 15:56
Operator : JU
Sample : PB126016BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB126016BL

Quant Time: Jan 11 02:52:51 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 08 16:06:11 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	87788	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	314064	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	168909	20.00	ng	-0.01
64) Phenanthrene-d10	11.37	188	333869	20.00	ng	-0.01
76) Chrysene-d12	14.03	240	213802	20.00	ng	-0.01
87) Perylene-d12	15.51	264	173383	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	266901	50.19	ng	0.00
7) Phenol-d6	6.46	99	181648	28.57	ng	-0.01
23) Nitrobenzene-d5	7.40	82	495743	82.92	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	274681	137.82	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1007420	85.54	ng	-0.01
79) Terphenyl-d14	12.96	244	1191768	88.33	ng	0.00

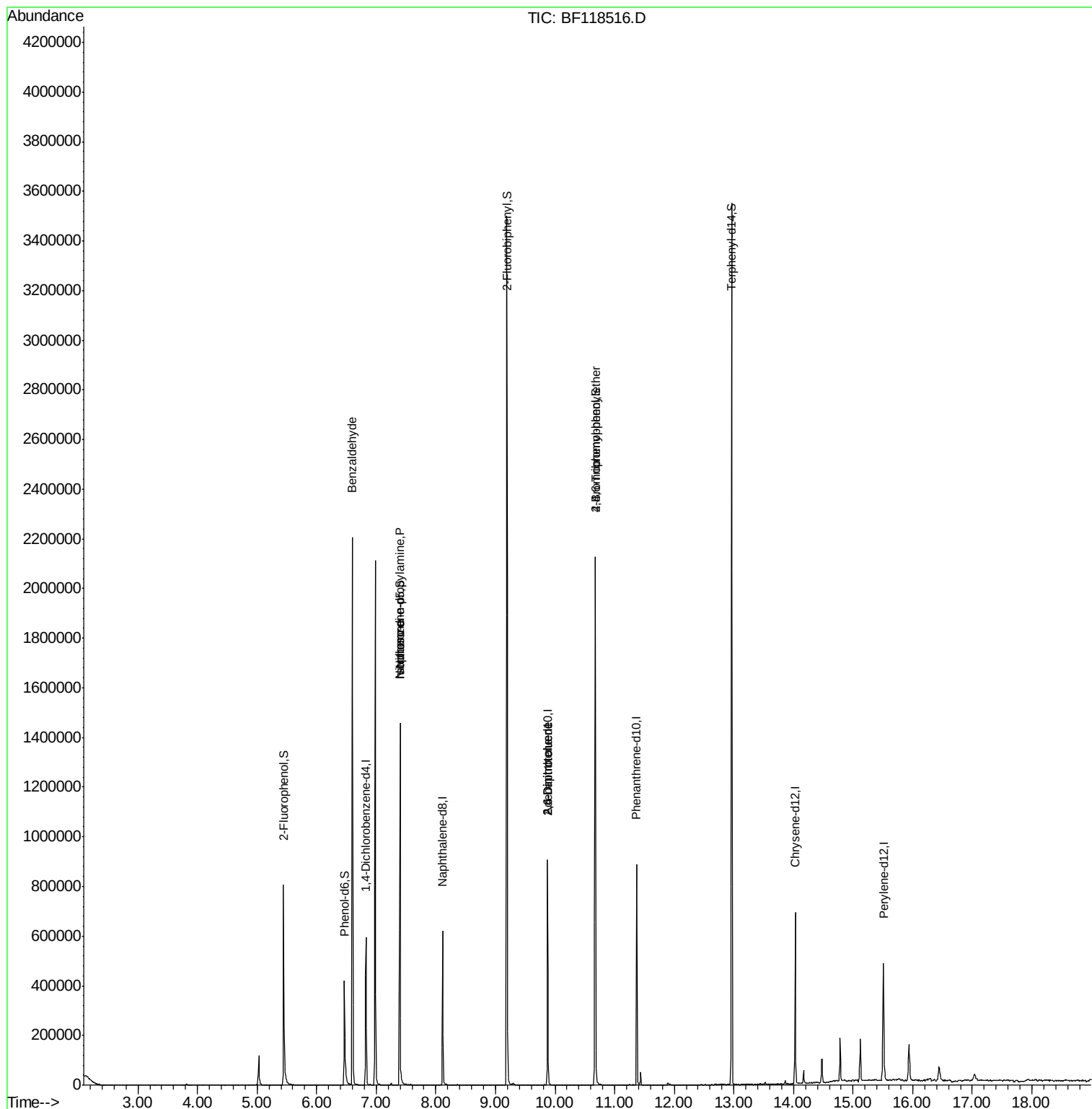
Target Compounds					Qvalue	
9) Benzaldehyde	6.60	77	13515	3.818	ng	# 72
19) n-Nitroso-di-n-propylamine	7.40	70	68937	16.834	ng	# 73
25) Isophorone	7.40	82	495739	51.759	ng	# 63
51) 2,6-Dinitrotoluene	9.87	165	21648	7.754	ng	# 23
57) 2,4-Dinitrotoluene	9.87	165	21648	5.791	ng	# 19
67) 4-Bromophenyl-phenylether	10.67	248	17322	4.430	ng	# 1
77) Benzidine	12.96	184	16767	Below Cal		# 94

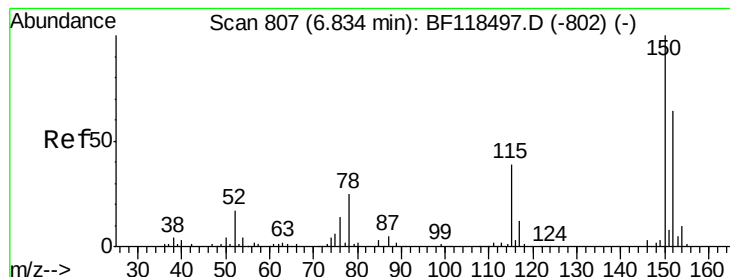
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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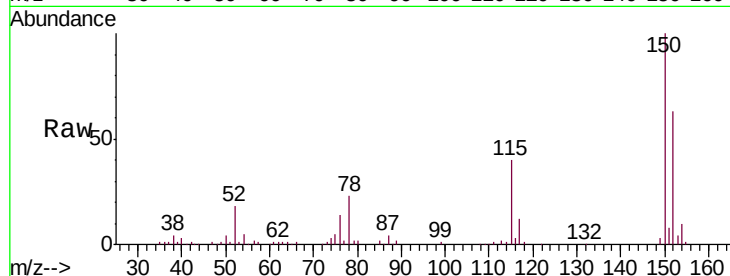


#1

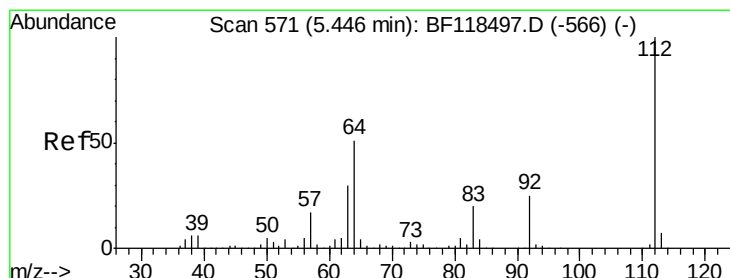
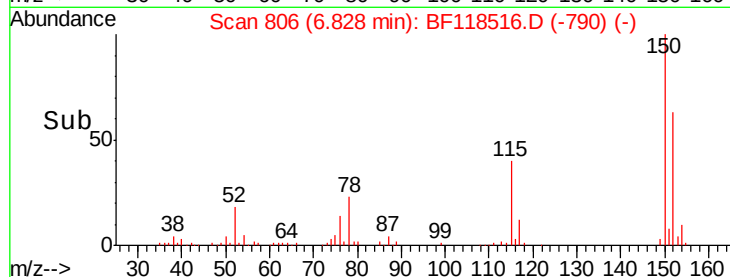
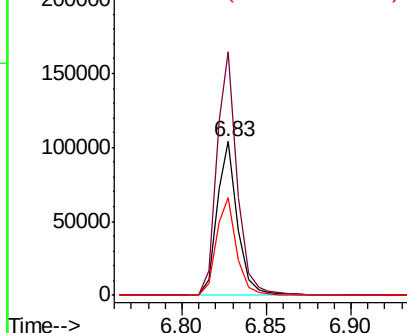
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: BF118516.D
 Acq: 10 Jan 2020 15:56

Instrument :
 BNA_F
 ClientSampleId :
 PB126016BL

Tgt Ion:152 Resp: 87788
 Ion Ratio Lower Upper
 152 100
 150 158.3 124.7 187.1
 115 63.8 49.0 73.6



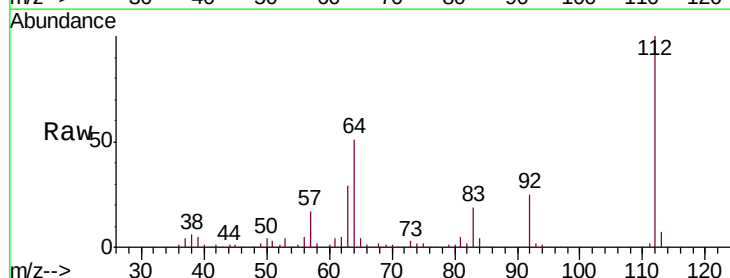
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



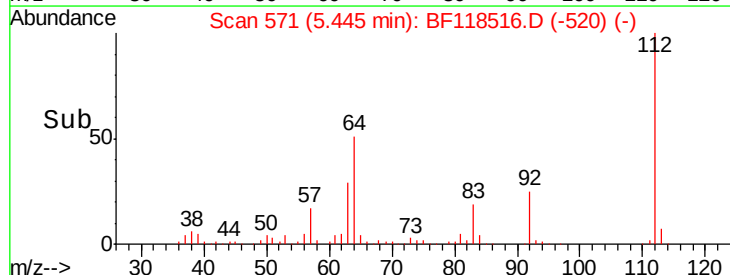
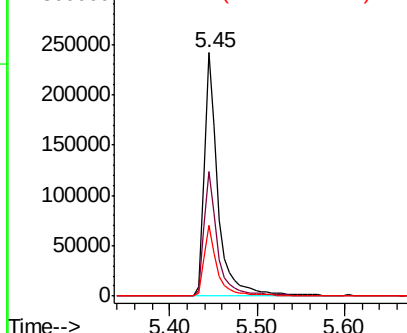
#5

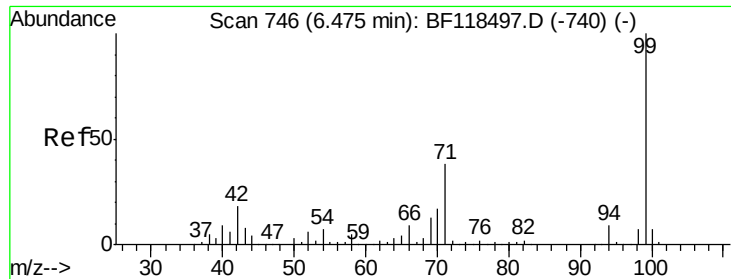
2-Fluorophenol
 Concen: 50.188 ng
 RT: 5.45 min Scan# 571
 Delta R.T. -0.00 min
 Lab File: BF118516.D
 Acq: 10 Jan 2020 15:56

Tgt Ion:112 Resp: 266901
 Ion Ratio Lower Upper
 112 100
 64 51.1 41.1 61.7
 63 28.9 24.1 36.1



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: 28.570 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF118516.D

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Instrument :

BNA_F

ClientSampleId :

PB126016BL

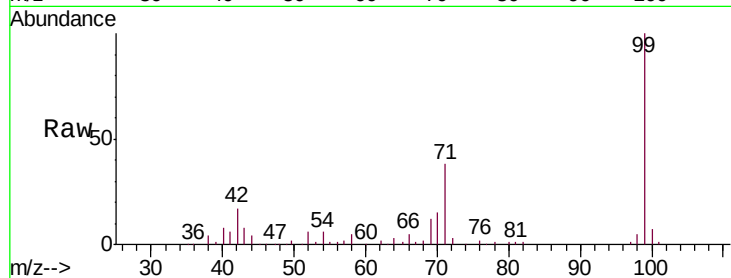
Tgt Ion: 99 Resp: 181648

Ion Ratio Lower Upper

99 100

42 17.1 14.5 21.7

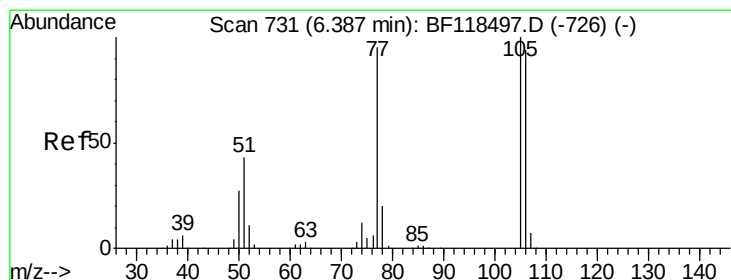
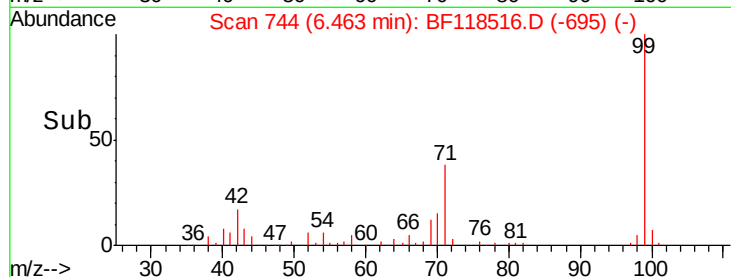
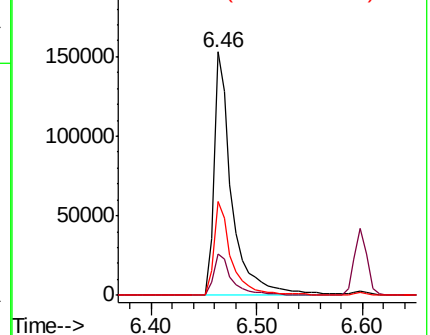
71 38.4 30.6 45.8



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



#9

Benzaldehyde

Concen: 3.818 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.21 min

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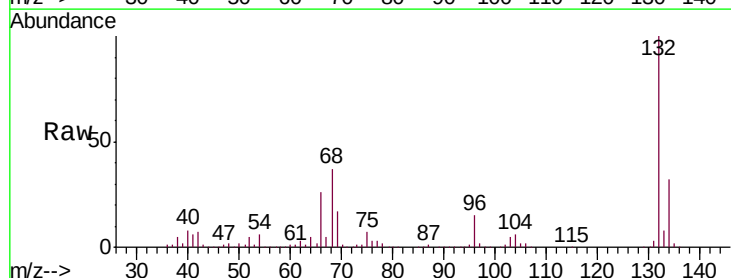
Tgt Ion: 77 Resp: 13515

Ion Ratio Lower Upper

77 100

105 75.7 85.4 125.4#

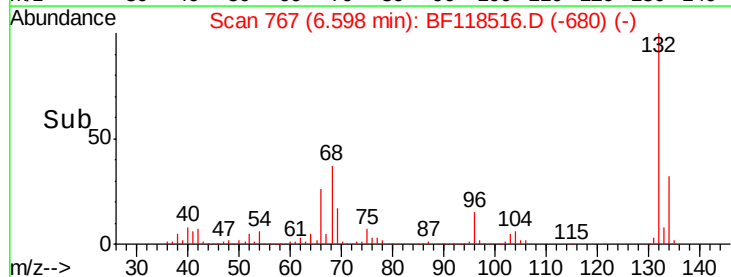
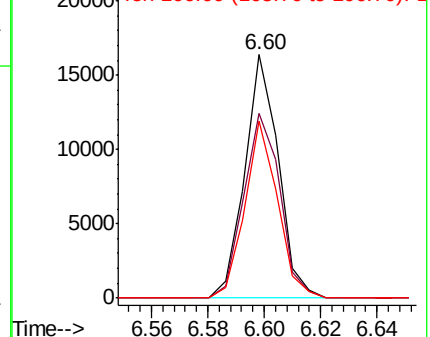
106 72.5 79.5 119.5#

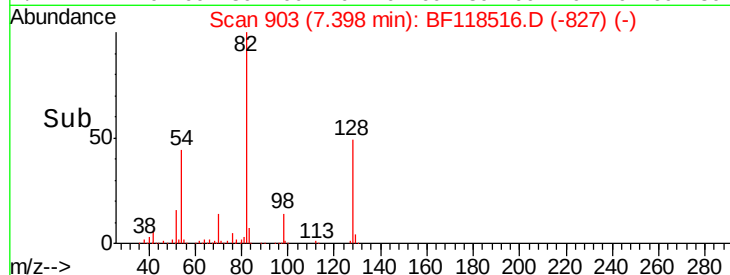
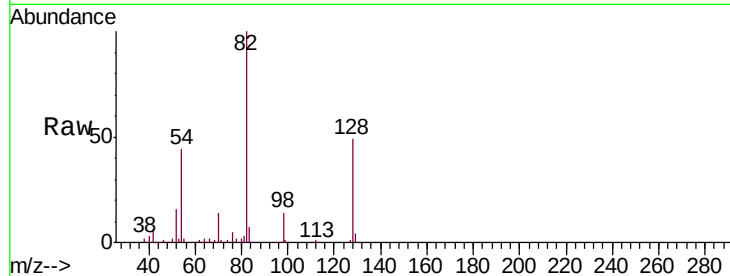
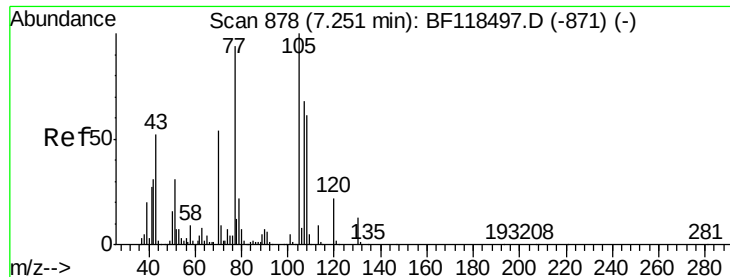


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

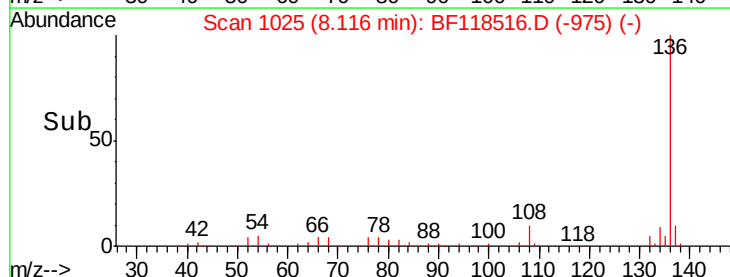
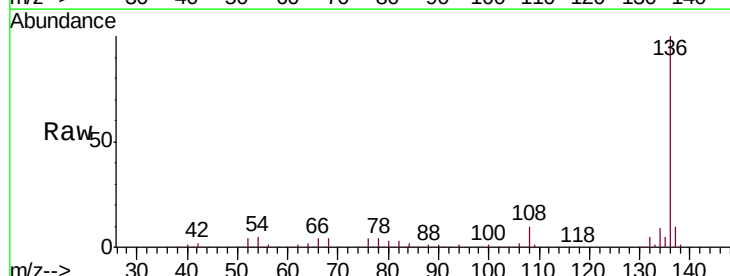
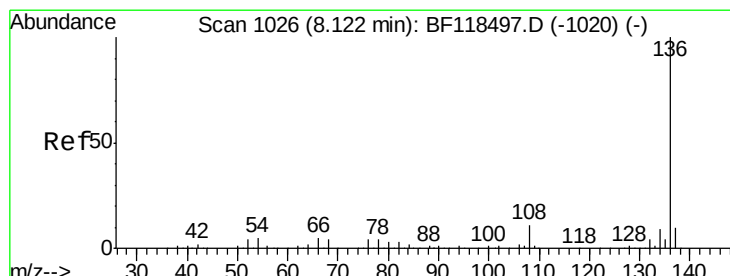
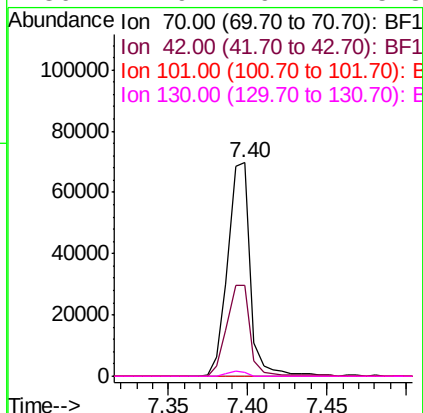




#19
n-Nitroso-di-n-propylamine
Concen: 16.834 ng
RT: 7.40 min Scan# 903
Delta R.T. 0.15 min
Lab File: BF118516.D
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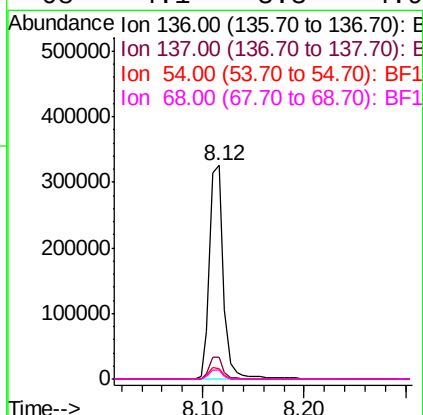
Instrument :
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ClientSampleId :
PB126016BL

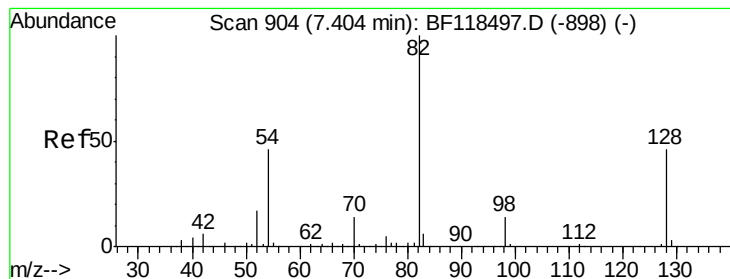
Tgt Ion: 70 Resp: 68937
Ion Ratio Lower Upper
70 100
42 42.8 45.6 68.4#
101 0.0 8.2 12.2#
130 1.9 19.2 28.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF118516.D
Acq: 10 Jan 2020 15:56

Tgt Ion: 136 Resp: 314064
Ion Ratio Lower Upper
136 100
137 10.4 8.3 12.5
54 4.6 4.2 6.2
68 4.1 3.3 4.9





#23

Nitrobenzene-d5

Concen: 82.920 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF118516.D

Acq: 10 Jan 2020 15:56

Instrument :

BNA_F

ClientSampleId :

PB126016BL

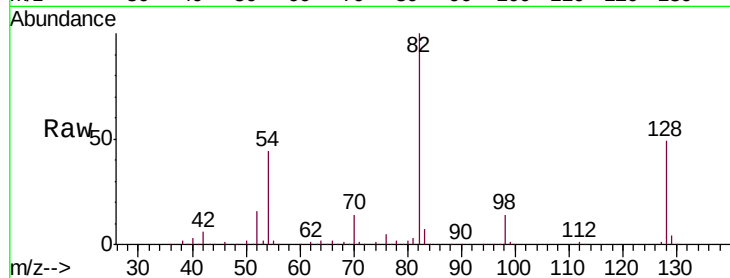
Tgt Ion: 82 Resp: 495743

Ion Ratio Lower Upper

82 100

128 49.2 36.6 54.8

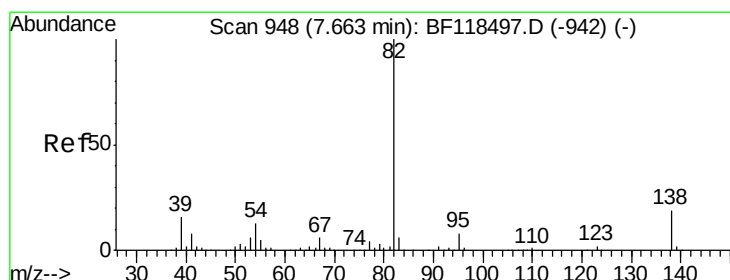
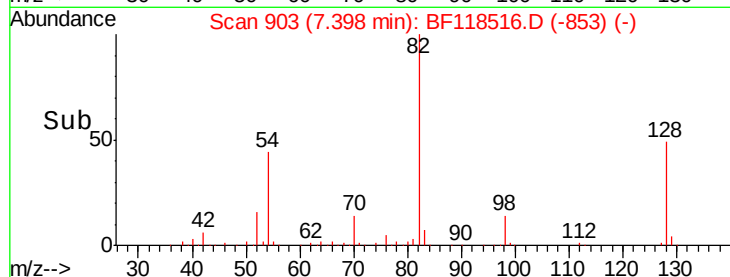
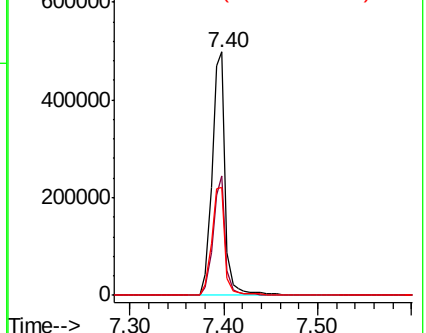
54 44.4 37.0 55.6



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 51.759 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.26 min

Lab File: BF118516.D

Acq: 10 Jan 2020 15:56

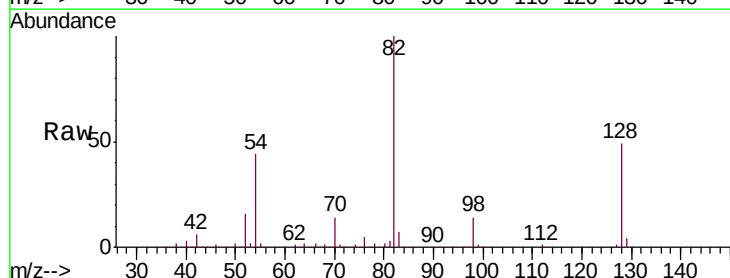
Tgt Ion: 82 Resp: 495739

Ion Ratio Lower Upper

82 100

95 0.0 6.6 9.8#

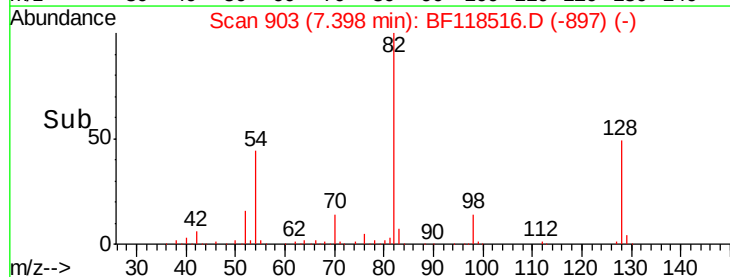
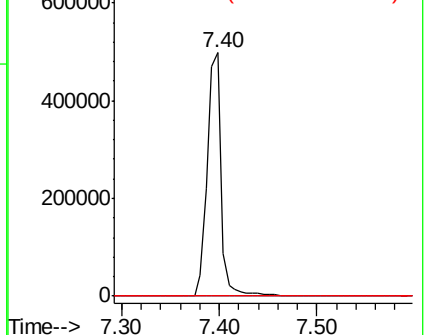
138 0.0 15.4 23.2#

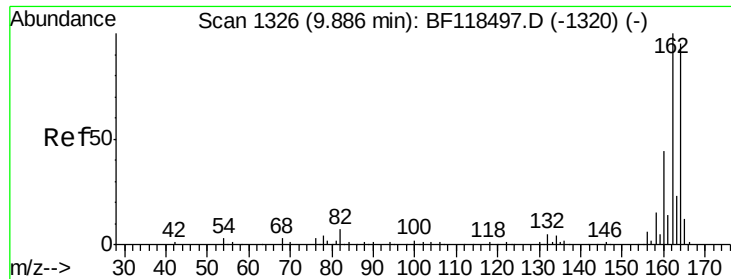


Abundance Ion 82.00 (81.70 to 82.70): BF1

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: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF118516.D

Acq: 10 Jan 2020 15:56

Instrument :

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ClientSampleId :

PB126016BL

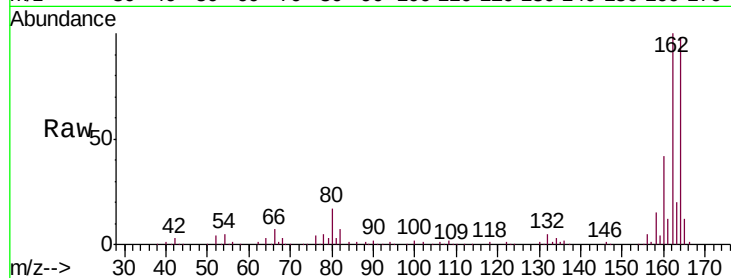
Tgt Ion:164 Resp: 168909

Ion Ratio Lower Upper

164 100

162 102.5 84.2 126.4

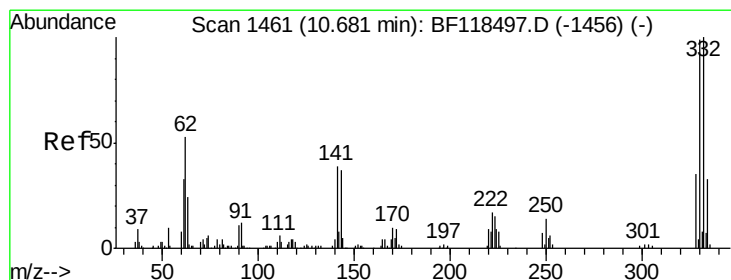
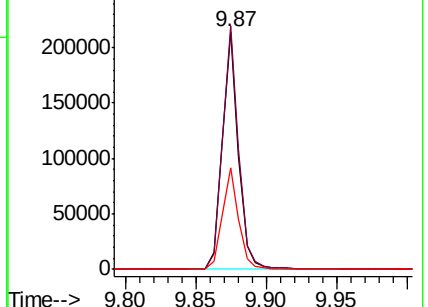
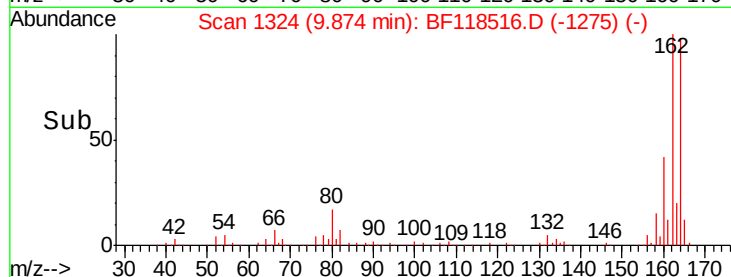
160 42.7 36.8 55.2



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: 137.816 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.01 min

Lab File: BF118516.D

Acq: 10 Jan 2020 15:56

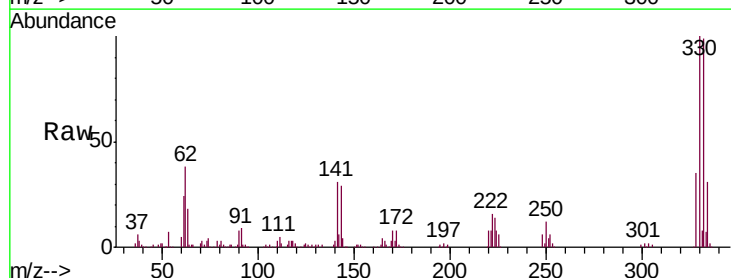
Tgt Ion:330 Resp: 274681

Ion Ratio Lower Upper

330 100

332 97.1 77.9 116.9

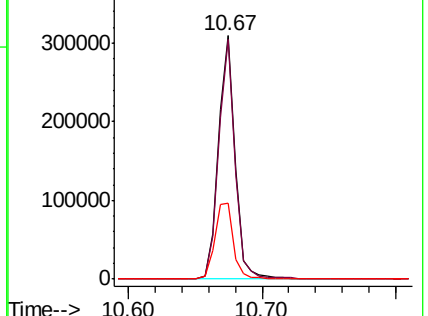
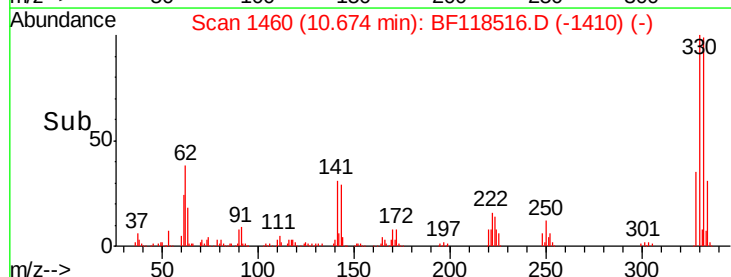
141 34.7 28.6 43.0

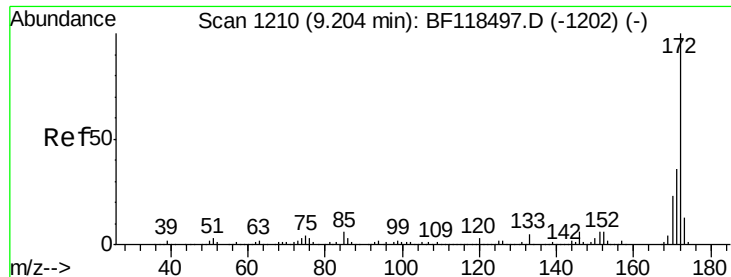


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

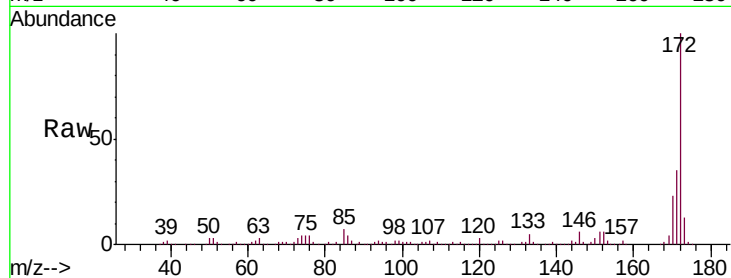




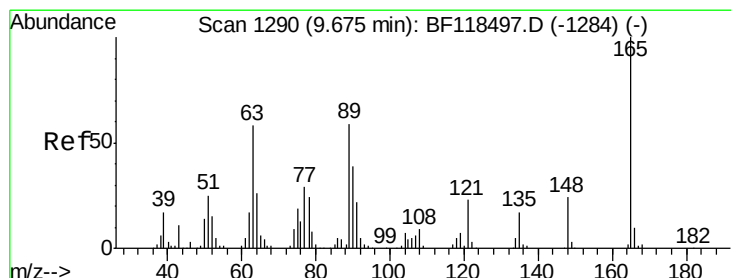
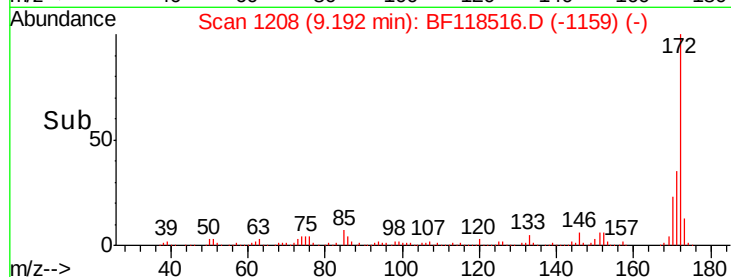
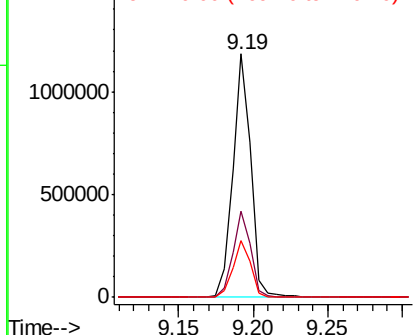
#45
 2-Fluorobiphenyl
 Concen: 85.540 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF118516.D
 Acq: 10 Jan 2020 15:56

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Tgt Ion:172 Resp: 1007420
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.6 42.8
 170 23.2 18.6 27.8

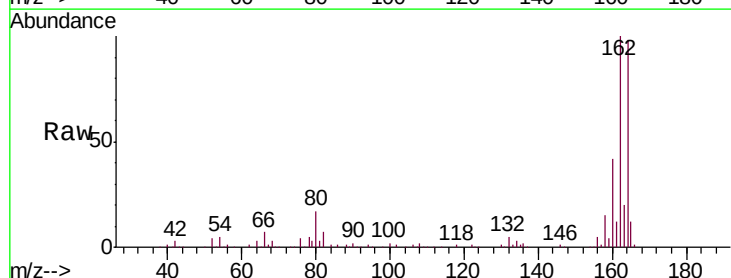


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

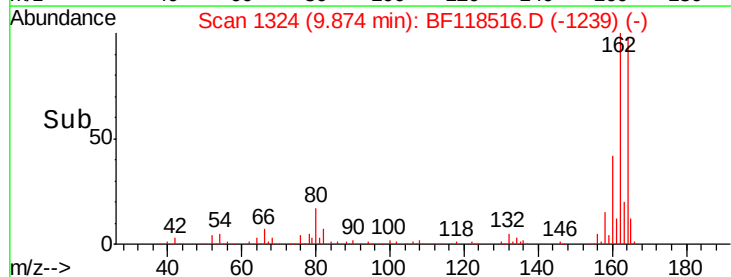
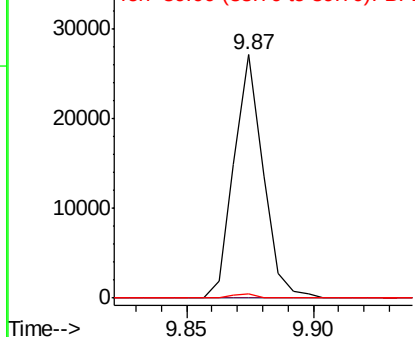


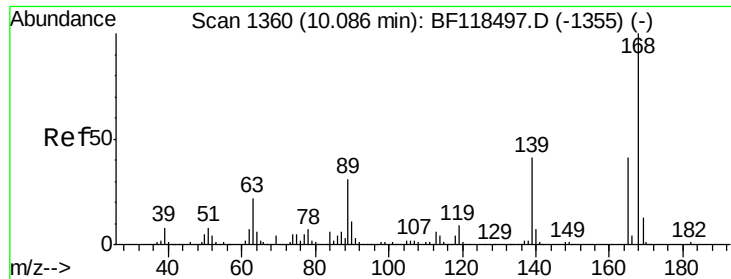
#51
 2,6-Dinitrotoluene
 Concen: 7.754 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. 0.20 min
 Lab File: BF118516.D
 Acq: 10 Jan 2020 15:56

Tgt Ion:165 Resp: 21648
 Ion Ratio Lower Upper
 165 100
 63 0.0 46.6 70.0#
 89 1.7 47.5 71.3#



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

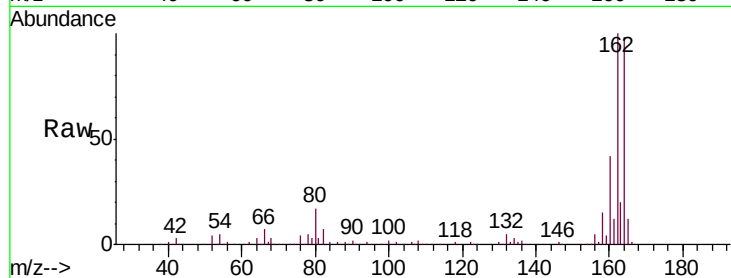




#57
 2,4-Dinitrotoluene
 Concen: 5.791 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.21 min
 Lab File: BF118516.D
 Acq: 10 Jan 2020 15:56

Instrument :
 BNA_F
 ClientSampleId :
 PB126016BL

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.1	66.1#
89	1.7	60.4	90.6#
182	0.0	2.0	3.0#



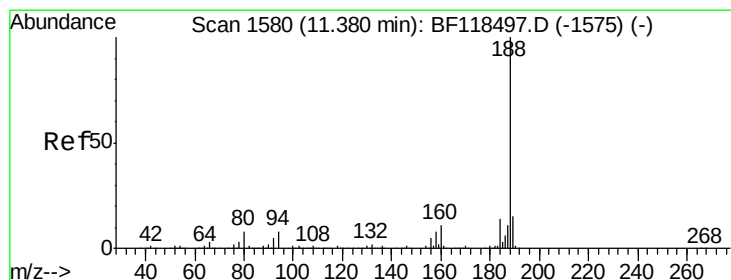
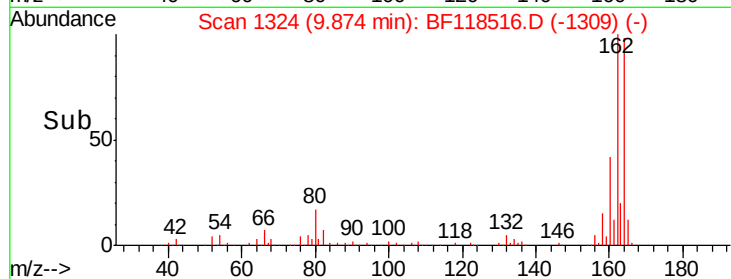
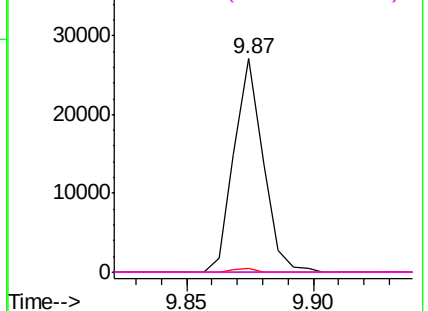
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

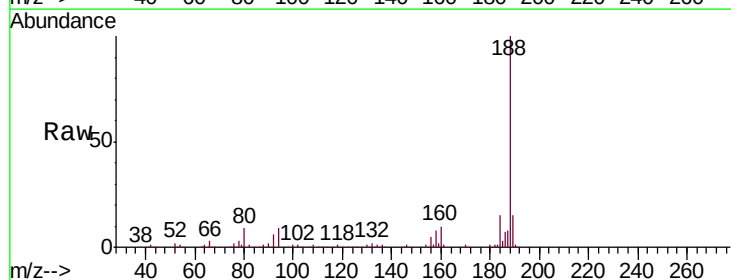
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1578
 Delta R.T. -0.01 min
 Lab File: BF118516.D
 Acq: 10 Jan 2020 15:56

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.2	9.4
80	9.5	6.6	10.0

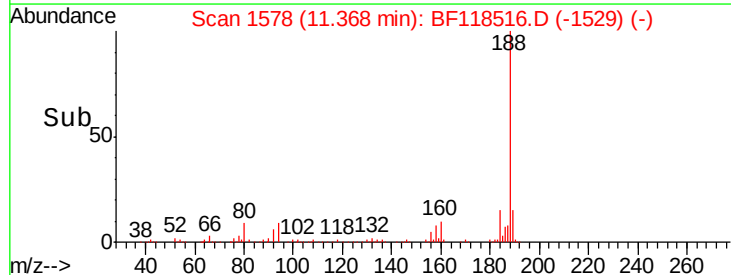
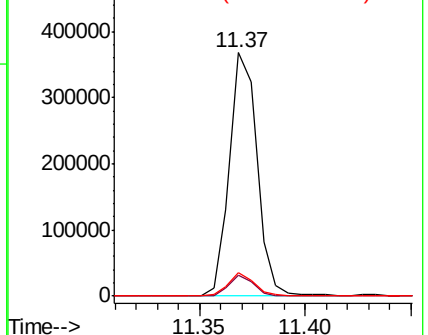


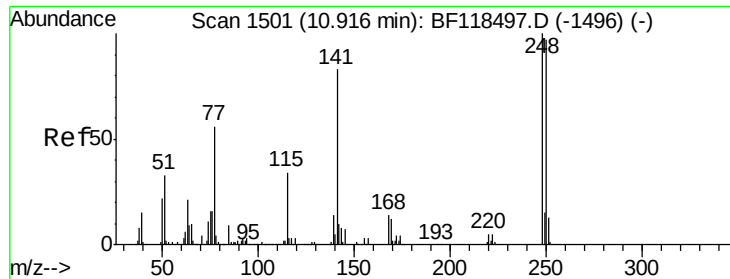
Abundance

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

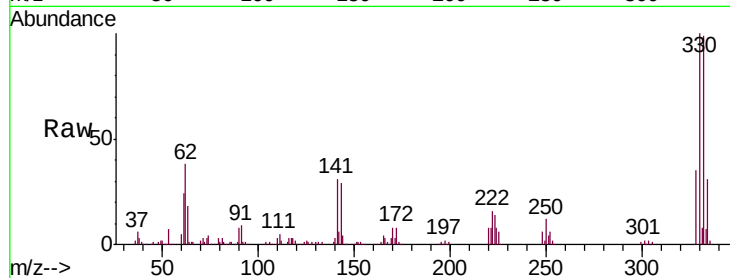




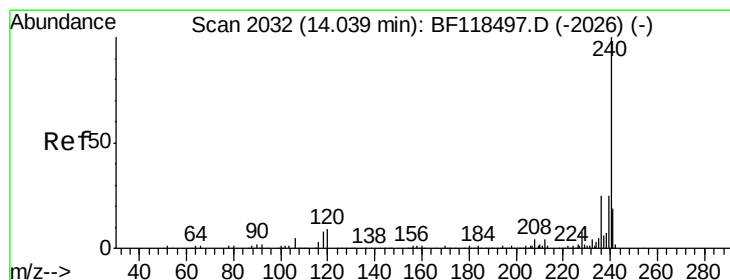
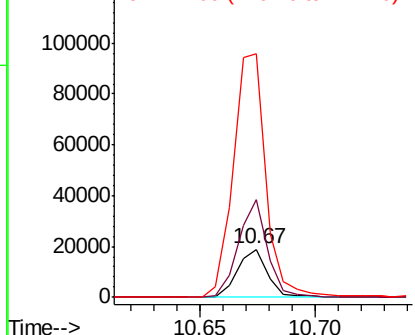
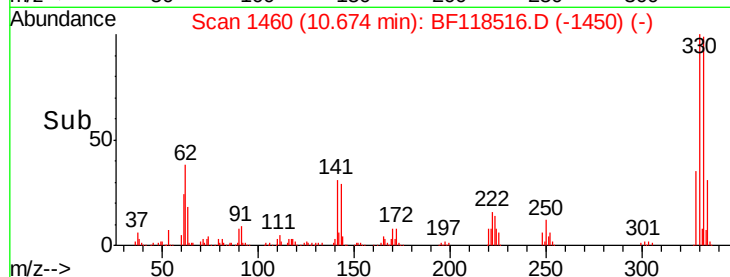
#67
 4-Bromophenyl-phenylether
 Concen: 4.430 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.24 min
 Lab File: BF118516.D
 Acq: 10 Jan 2020 15:56

Instrument :
 BNA_F
 ClientSampleId :
 PB126016BL

Tgt Ion:248 Resp: 17322
 Ion Ratio Lower Upper
 248 100
 250 202.5 77.4 116.0#
 141 506.5 66.2 99.4#

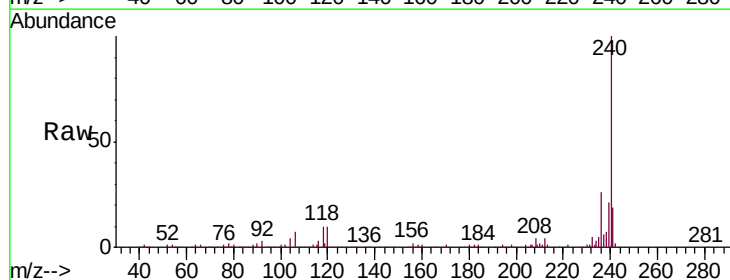


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

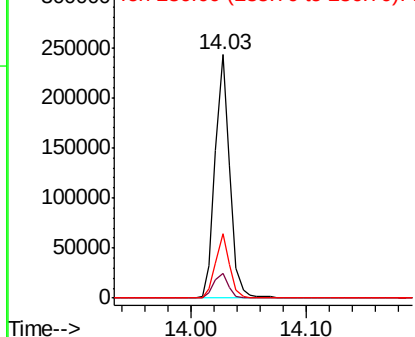
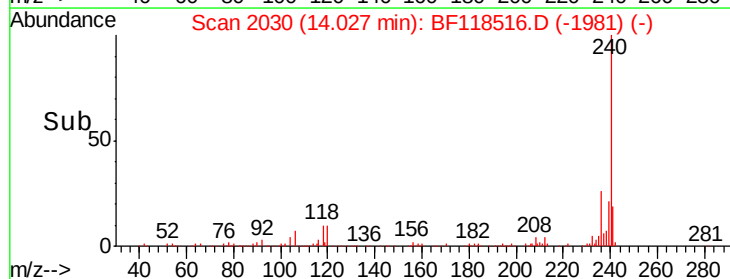


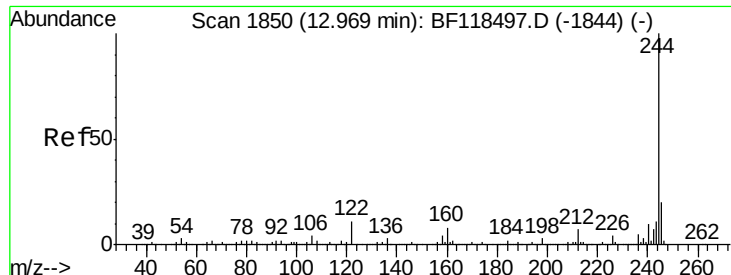
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BF118516.D
 Acq: 10 Jan 2020 15:56

Tgt Ion:240 Resp: 213802
 Ion Ratio Lower Upper
 240 100
 120 10.2 7.0 10.6
 236 26.4 20.1 30.1



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





#79

Terphenyl-d14

Concen: 88.333 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF118516.D

Acq: 10 Jan 2020 15:56

Instrument :

BNA_F

ClientSampleId :

PB126016BL

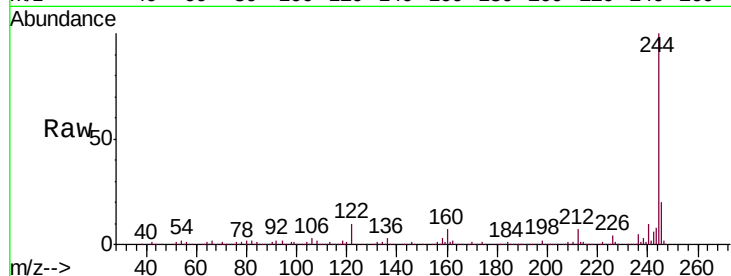
Tgt Ion:244 Resp: 1191768

Ion Ratio Lower Upper

244 100

212 6.5 5.6 8.4

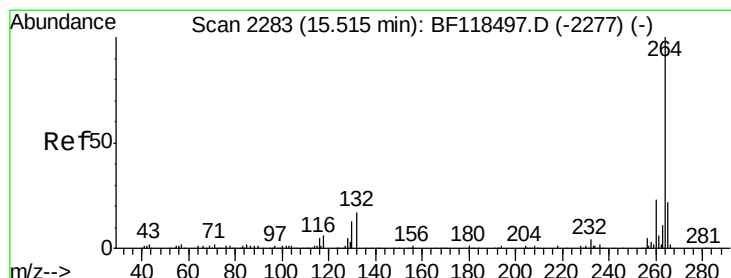
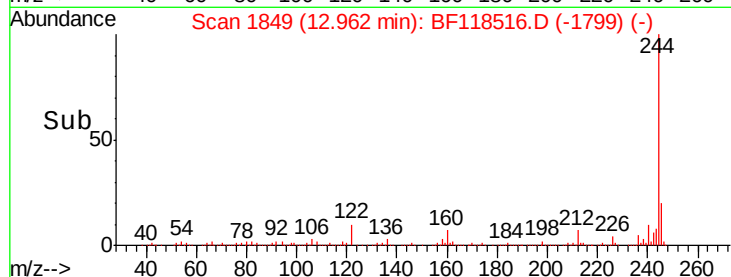
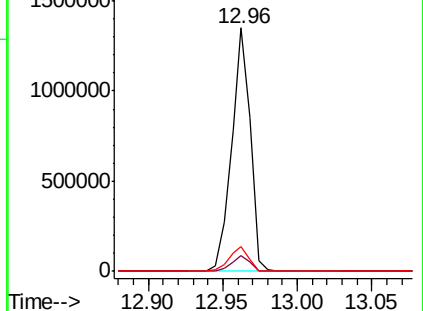
122 9.9 9.0 13.6



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: 15.51 min Scan# 2282

Delta R.T. -0.01 min

Lab File: BF118516.D

Acq: 10 Jan 2020 15:56

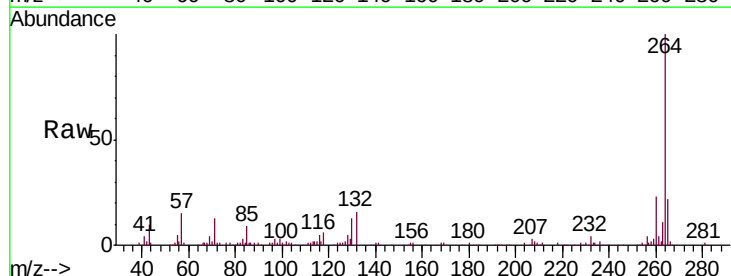
Tgt Ion:264 Resp: 173383

Ion Ratio Lower Upper

264 100

260 23.3 18.8 28.2

265 22.4 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

