

Data File : BF118529.D
Acq On : 10 Jan 2020 21:59
Operator : JU
Sample : L1084-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
AF-2

Quant Time: Jan 11 02:56:36 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	75360	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	269809	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	169146	20.00	ng	-0.01
64) Phenanthrene-d10	11.37	188	263570	20.00	ng	-0.01
76) Chrysene-d12	14.03	240	160078	20.00	ng	-0.01
87) Perylene-d12	15.52	264	144936	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	523762	114.73	ng	0.01
7) Phenol-d6	6.47	99	603379	110.55	ng	0.00
23) Nitrobenzene-d5	7.40	82	507398	98.79	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	282071	141.33	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1072885	90.97	ng	-0.01
79) Terphenyl-d14	12.96	244	1251049	123.85	ng	0.00

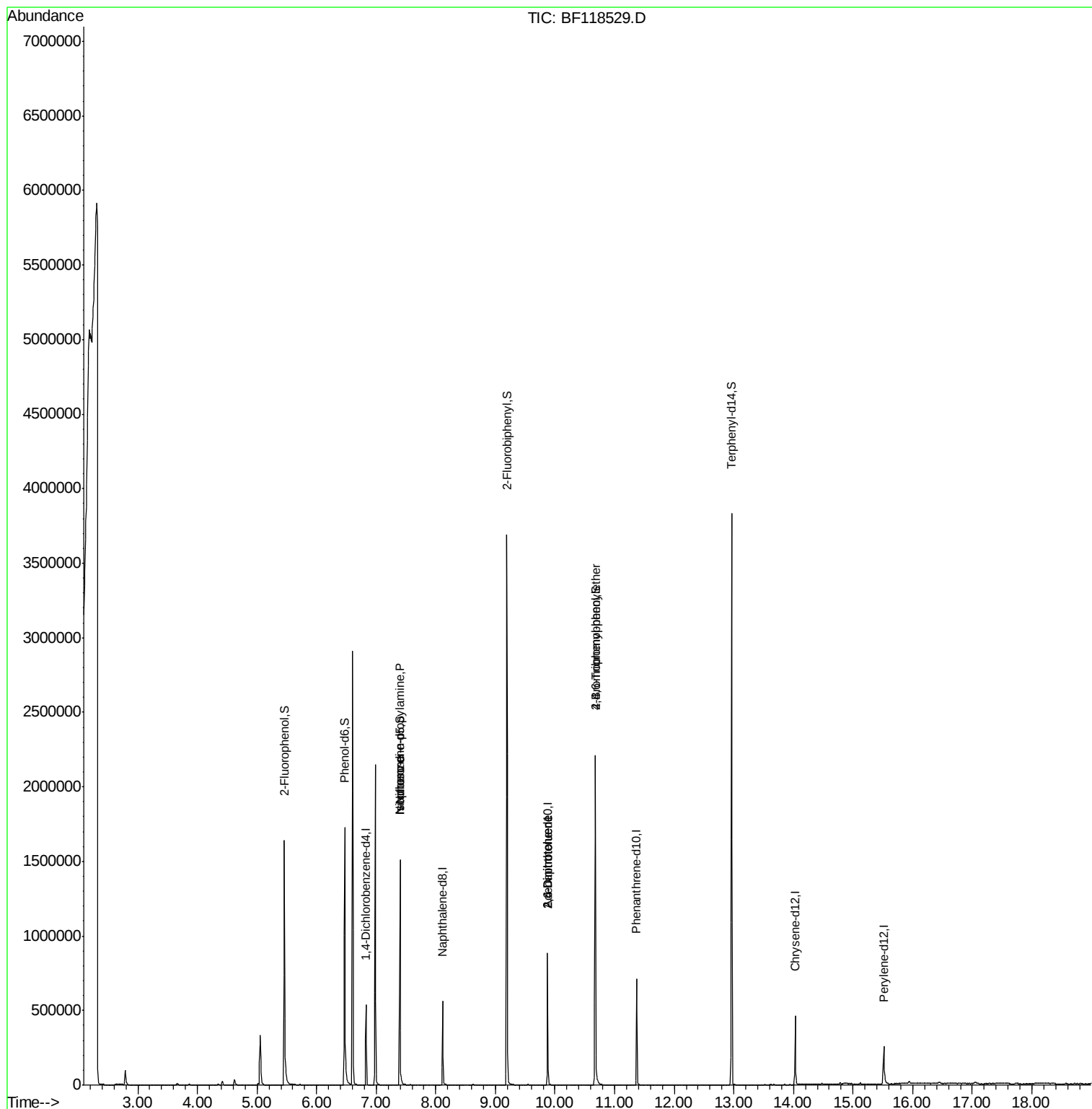
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.40	70	69531	19.779	ng	# 75
25) Isophorone	7.40	82	507394	61.665	ng	# 63
51) 2,6-Dinitrotoluene	9.87	165	20996	7.510	ng	# 23
57) 2,4-Dinitrotoluene	9.87	165	20996	5.609	ng	# 20
67) 4-Bromophenyl-phenylether	10.67	248	17566	5.690	ng	# 1
77) Benzidine	12.96	184	18449	Below Cal		# 94

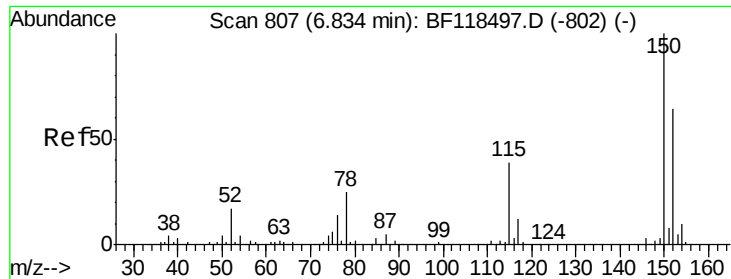
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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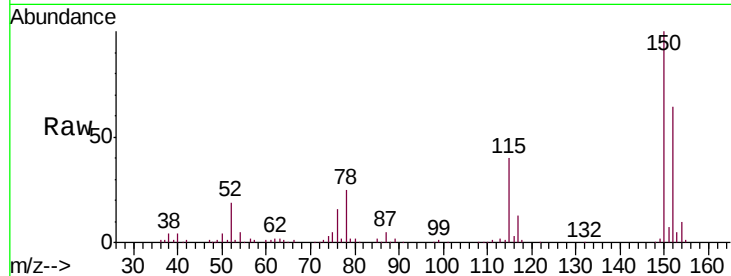




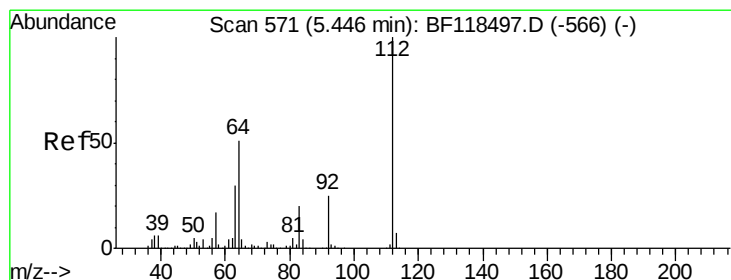
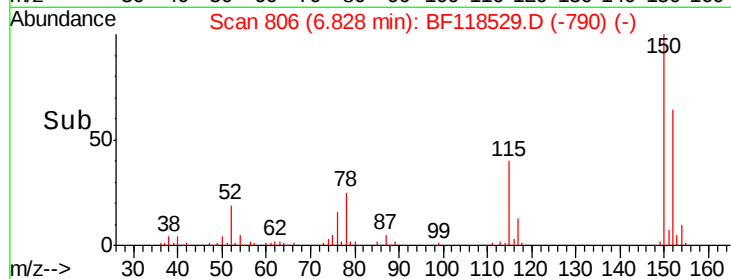
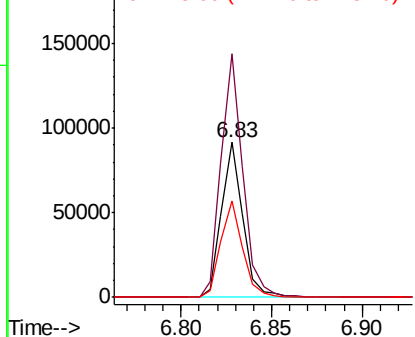
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: BF118529.D
 Acq: 10 Jan 2020 21:59

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 ClientSampleId :
 AF-2

Tgt Ion:152 Resp: 75360
 Ion Ratio Lower Upper
 152 100
 150 156.9 124.7 187.1
 115 62.1 49.0 73.6

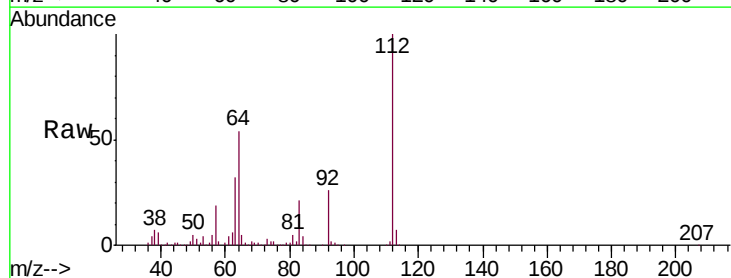


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

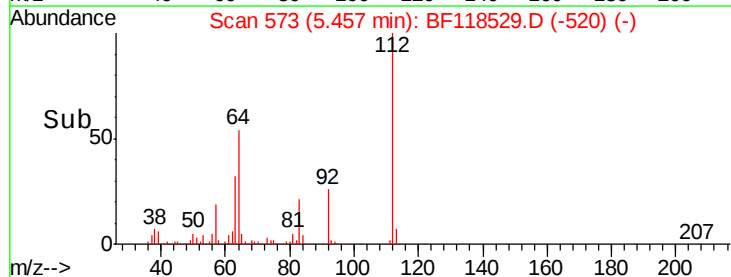
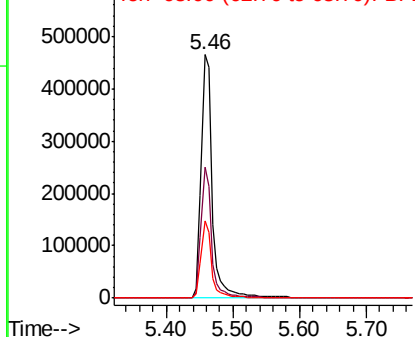


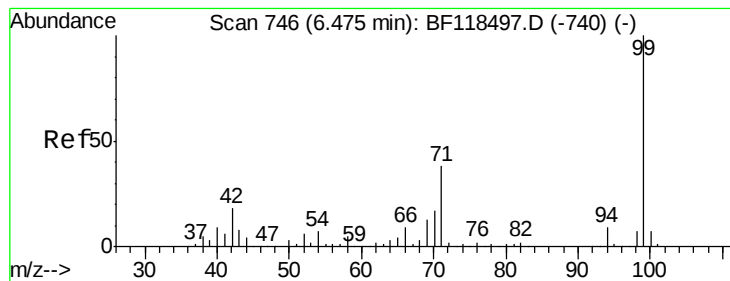
#5
 2-Fluorophenol
 Concen: 114.729 ng
 RT: 5.46 min Scan# 573
 Delta R.T. 0.01 min
 Lab File: BF118529.D
 Acq: 10 Jan 2020 21:59

Tgt Ion:112 Resp: 523762
 Ion Ratio Lower Upper
 112 100
 64 53.7 41.1 61.7
 63 31.6 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: 110.550 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF118529.D

Acq: 10 Jan 2020 21:59

Instrument :

BNA_F

ClientSampleId :

AF-2

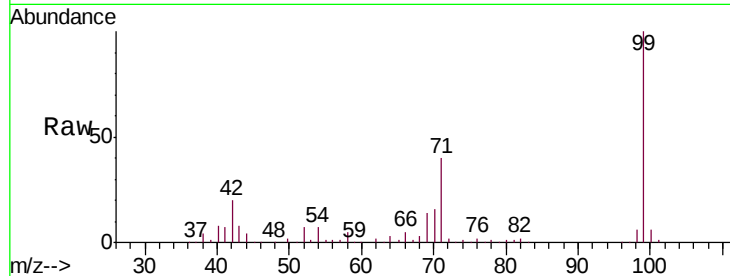
Tgt Ion: 99 Resp: 603379

Ion Ratio Lower Upper

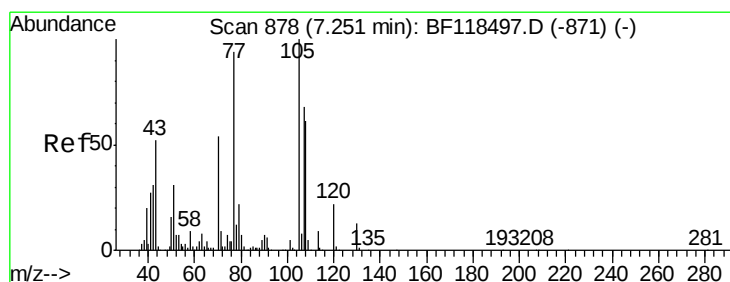
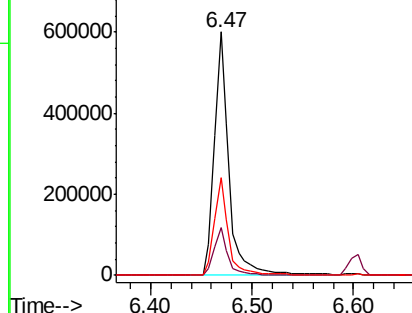
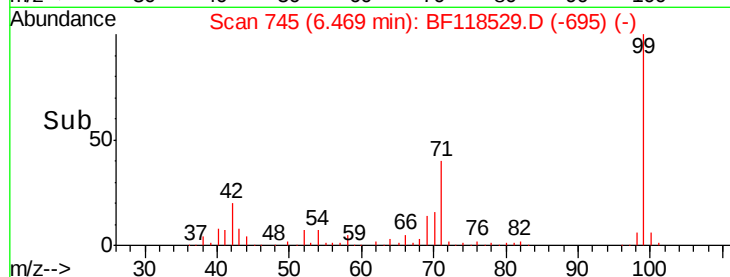
99 100

42 19.5 14.5 21.7

71 40.2 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



#19

n-Nitroso-di-n-propylamine

Concen: 19.779 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.15 min

Lab File: BF118529.D

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Tgt Ion: 70 Resp: 69531

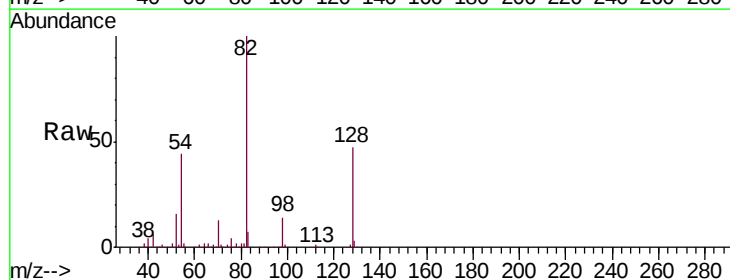
Ion Ratio Lower Upper

70 100

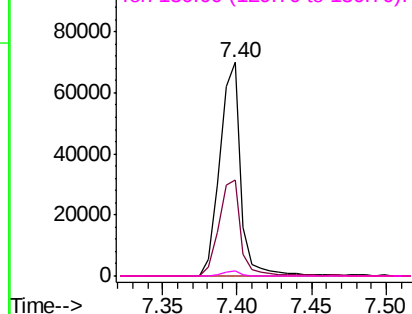
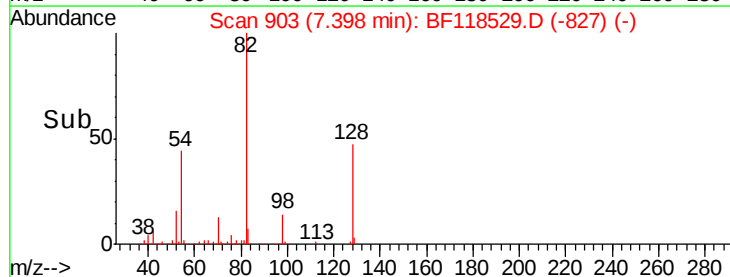
42 44.8 45.6 68.4#

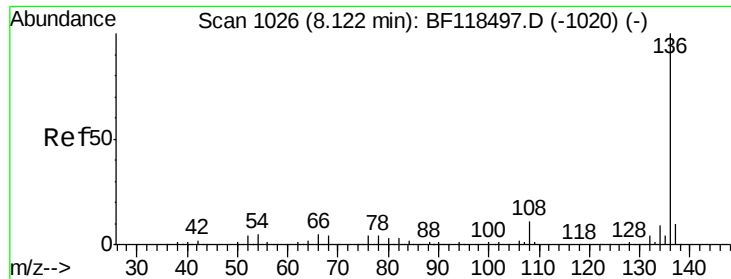
101 0.0 8.2 12.2#

130 2.1 19.2 28.8#



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

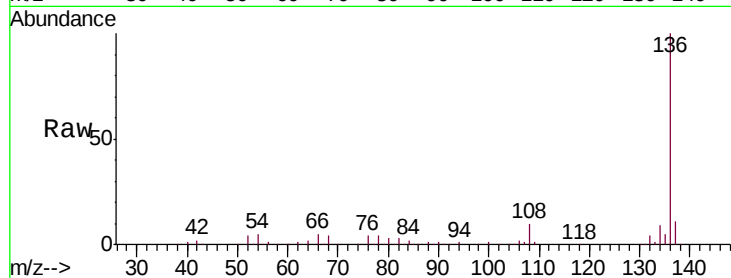




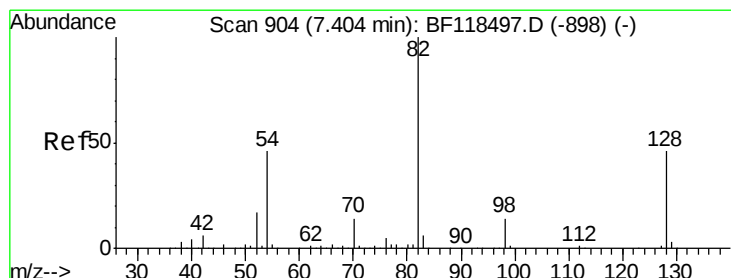
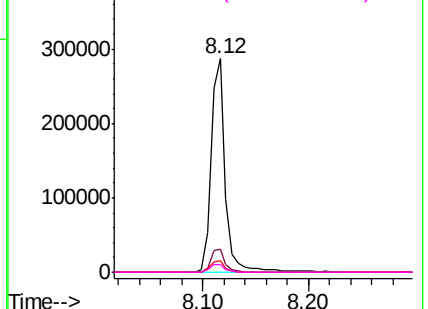
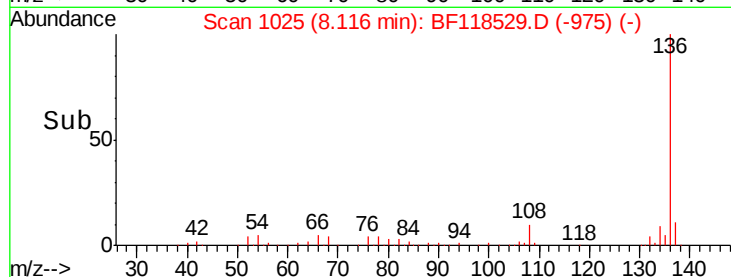
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF118529.D
Acq: 10 Jan 2020 21:59

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Tgt Ion:	136	Resp:	269809
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.3	12.5
54	5.4	4.2	6.2
68	3.8	3.3	4.9

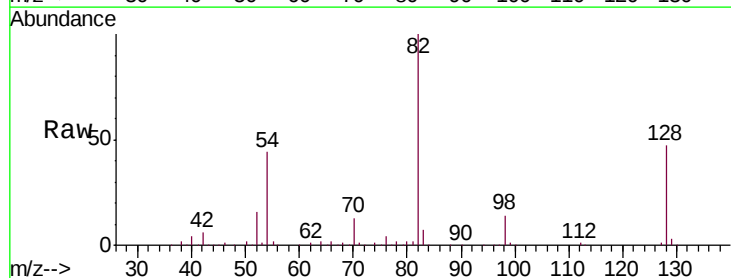


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

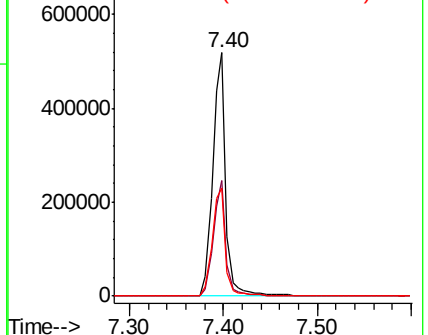
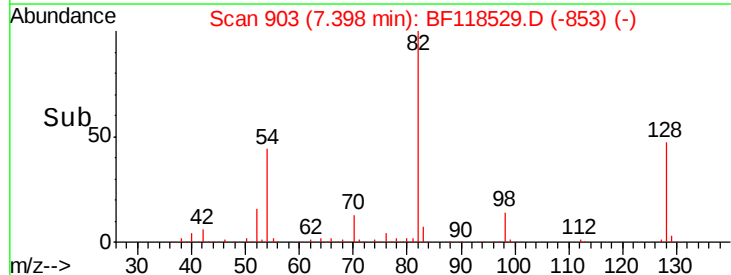


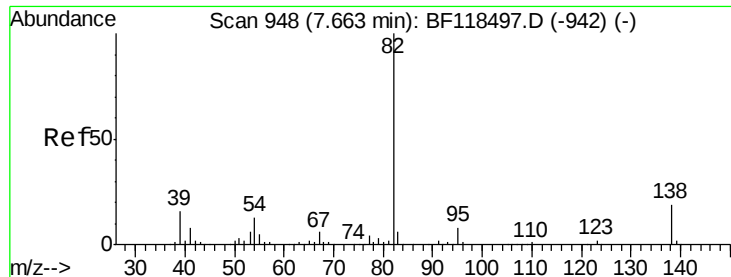
#23
Nitrobenzene-d5
Concen: 98.790 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF118529.D
Acq: 10 Jan 2020 21:59

Tgt Ion:	82	Resp:	507398
Ion	Ratio	Lower	Upper
82	100		
128	47.4	36.6	54.8
54	44.3	37.0	55.6



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: 61.665 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.26 min

Lab File: BF118529.D

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Instrument :

BNA_F

ClientSampleId :

AF-2

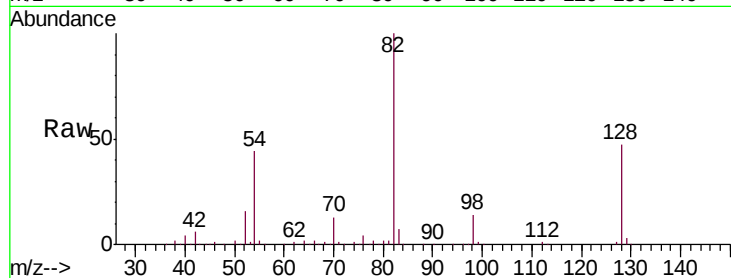
Tgt Ion: 82 Resp: 507394

Ion Ratio Lower Upper

82 100

95 0.0 6.6 9.8#

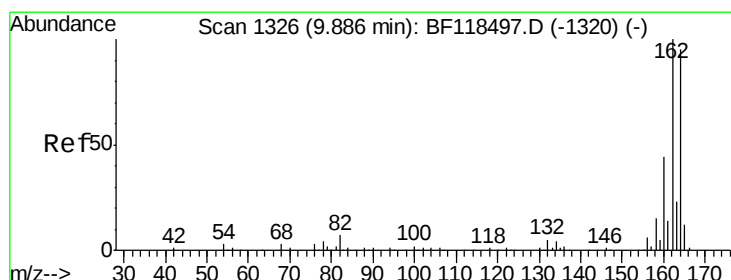
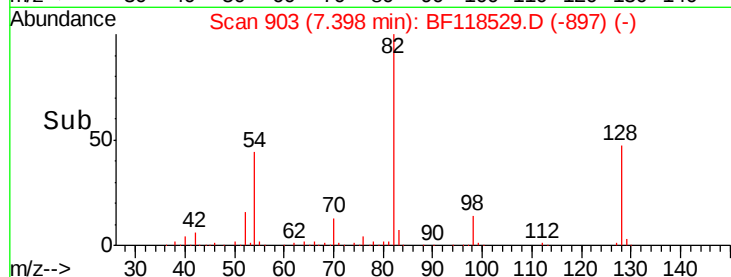
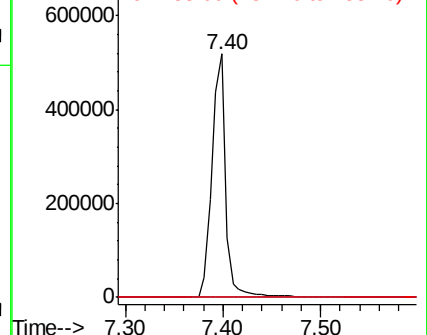
138 0.0 15.4 23.2#



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: BF118529.D

Acq: 10 Jan 2020 21:59

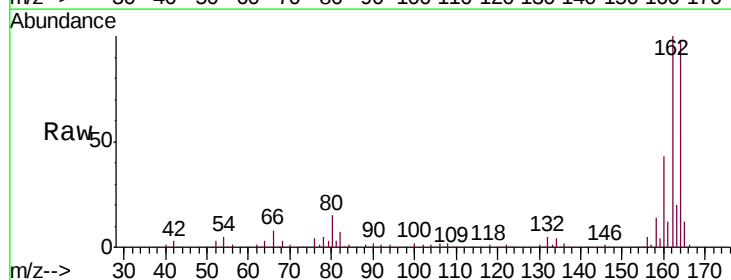
Tgt Ion: 164 Resp: 169146

Ion Ratio Lower Upper

164 100

162 102.3 84.2 126.4

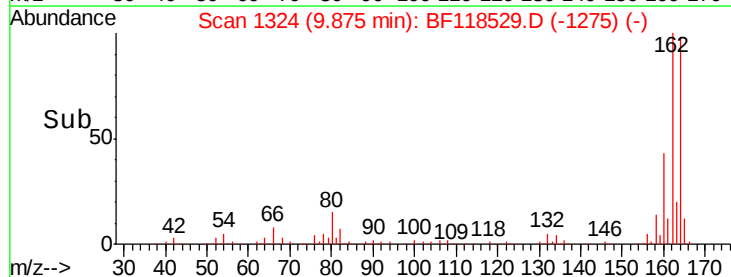
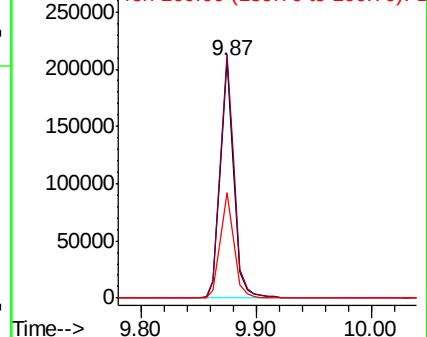
160 44.2 36.8 55.2

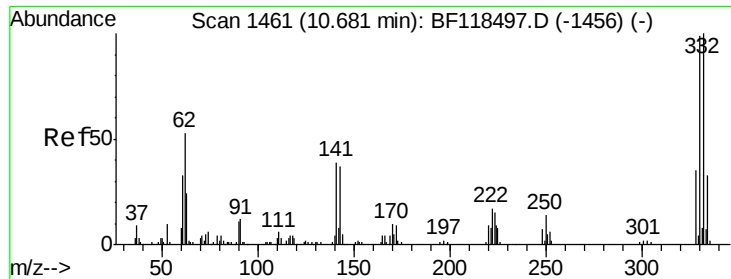


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

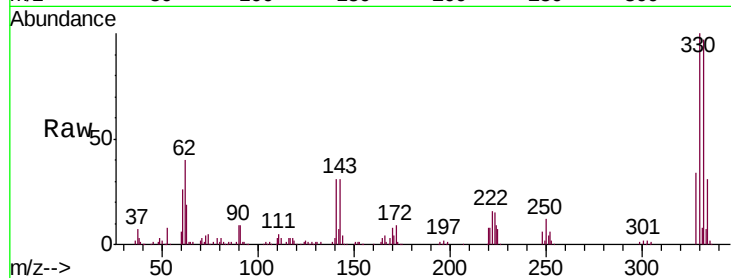




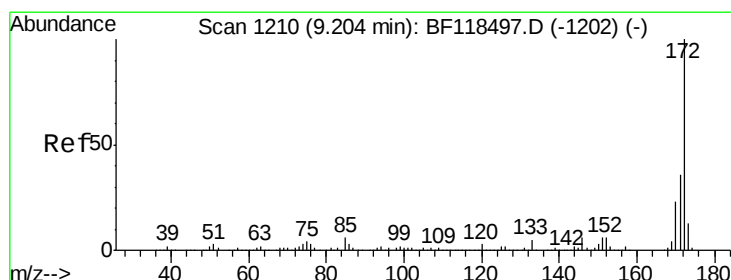
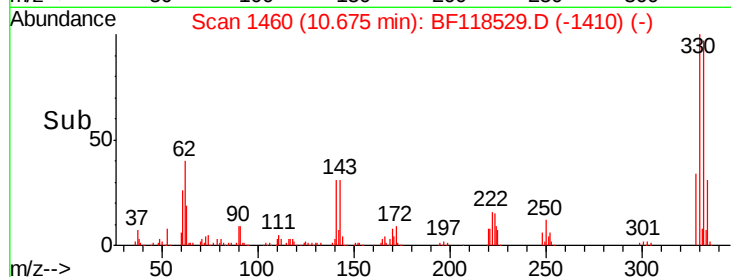
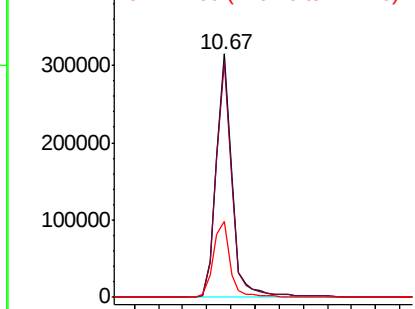
#42
 2,4,6-Tribromophenol
 Concen: 141.326 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BF118529.D
 Acq: 10 Jan 2020 21:59

Instrument :
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 AF-2

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.2	77.9	116.9
141	34.2	28.6	43.0

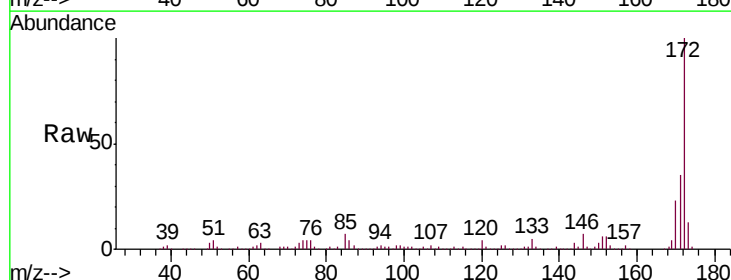


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

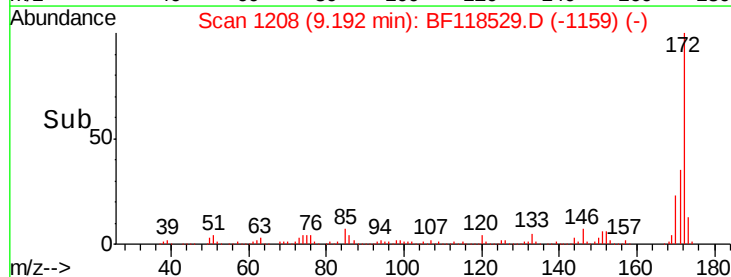
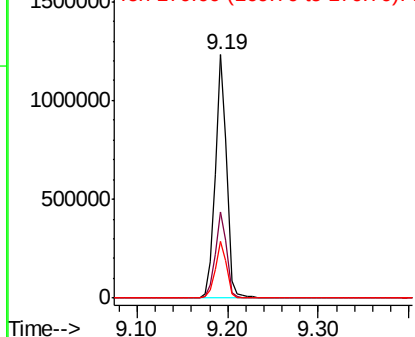


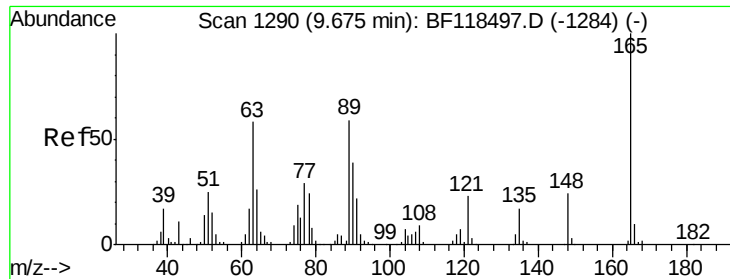
#45
 2-Fluorobiphenyl
 Concen: 90.971 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF118529.D
 Acq: 10 Jan 2020 21:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.6	42.8
170	23.4	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

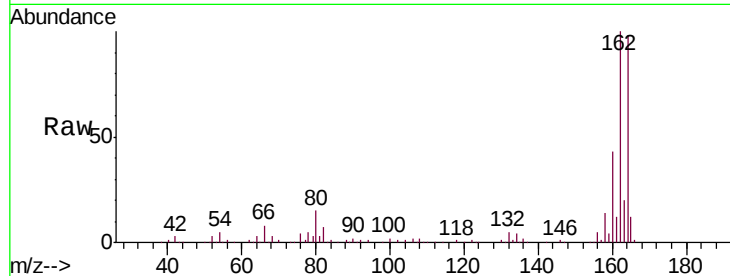




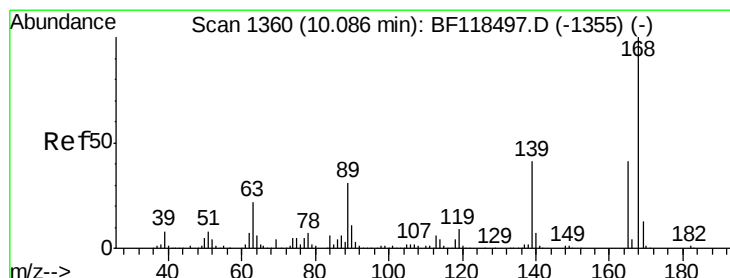
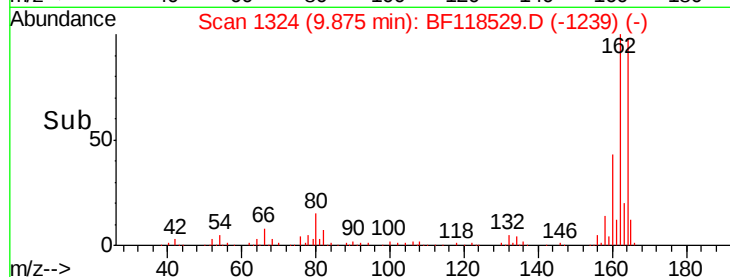
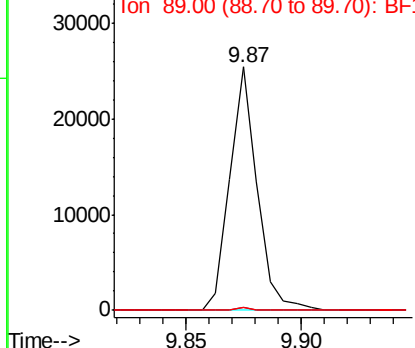
#51
 2,6-Dinitrotoluene
 Concen: 7.510 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. 0.20 min
 Lab File: BF118529.D
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Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	46.6	70.0#
89	1.3	47.5	71.3#



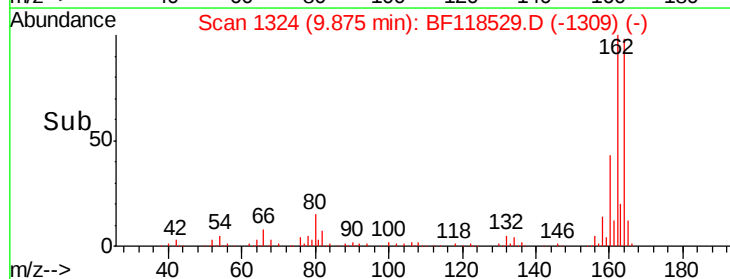
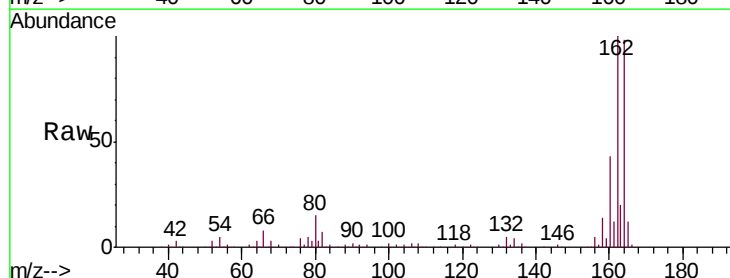
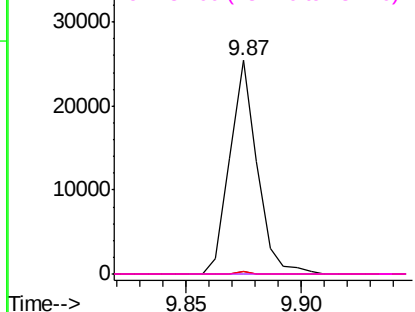
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

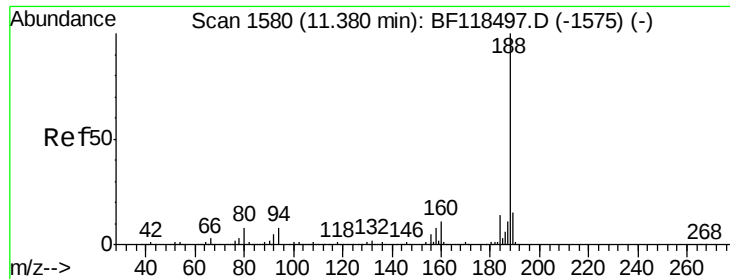


#57
 2,4-Dinitrotoluene
 Concen: 5.609 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.21 min
 Lab File: BF118529.D
 Acq: 10 Jan 2020 21:59

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.1	66.1#
89	1.3	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

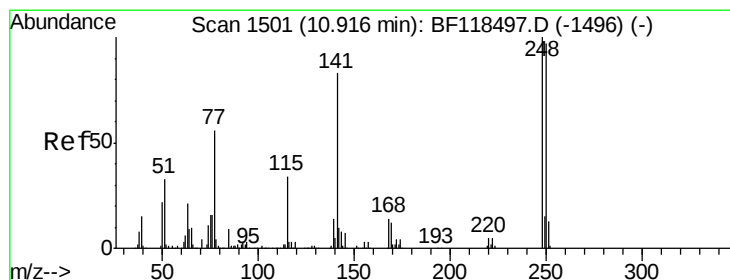
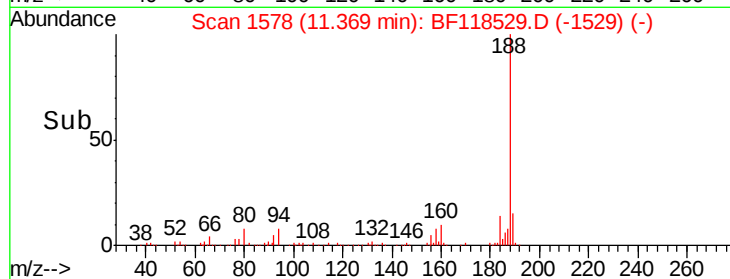
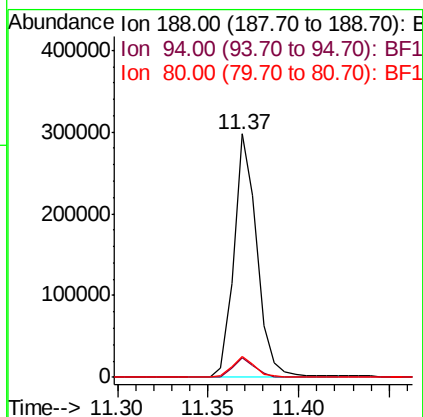
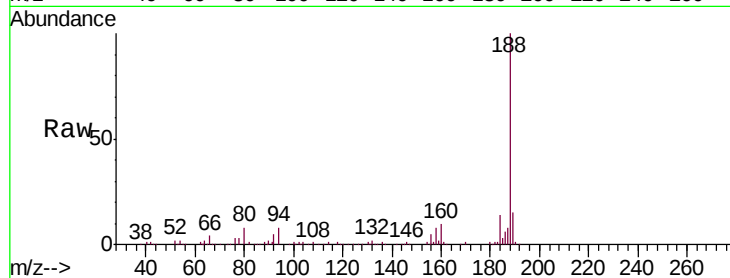




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF118529.D
Acq: 10 Jan 2020 21:59

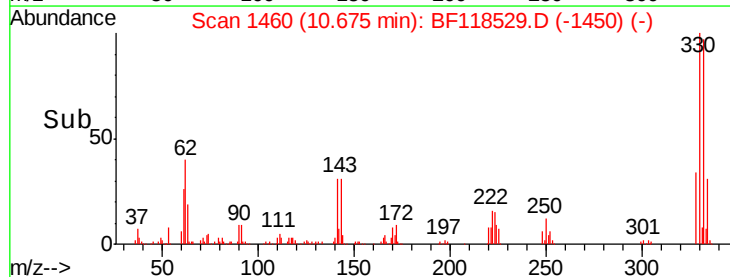
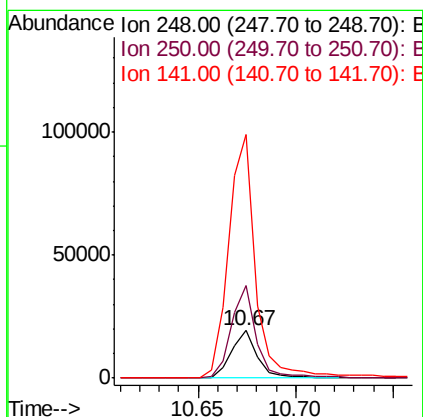
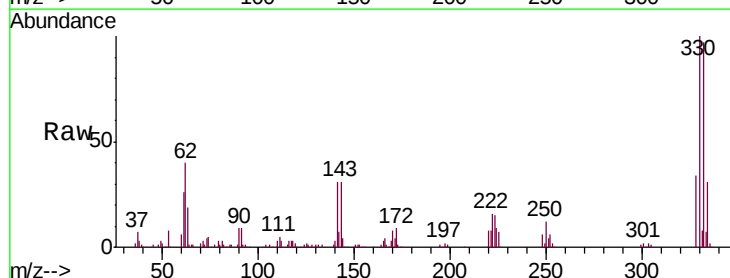
Instrument :
BNA_F
ClientSampleId :
AF-2

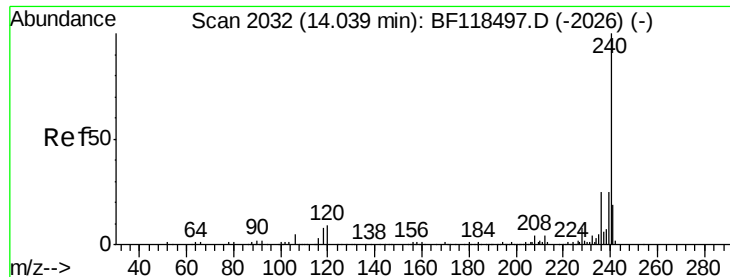
Tgt Ion:188 Resp: 263570
Ion Ratio Lower Upper
188 100
94 8.2 6.2 9.4
80 8.4 6.6 10.0



#67
4-Bromophenyl-phenylether
Concen: 5.690 ng
RT: 10.67 min Scan# 1460
Delta R.T. -0.24 min
Lab File: BF118529.D
Acq: 10 Jan 2020 21:59

Tgt Ion:248 Resp: 17566
Ion Ratio Lower Upper
248 100
250 196.8 77.4 116.0#
141 515.2 66.2 99.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF118529.D

Acq: 10 Jan 2020 21:59

Instrument :

BNA_F

ClientSampleId :

AF-2

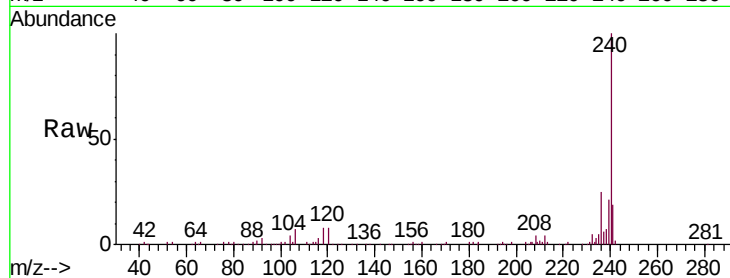
Tgt Ion:240 Resp: 160078

Ion Ratio Lower Upper

240 100

120 8.4 7.0 10.6

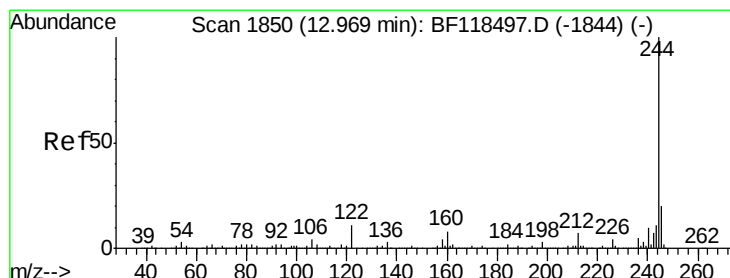
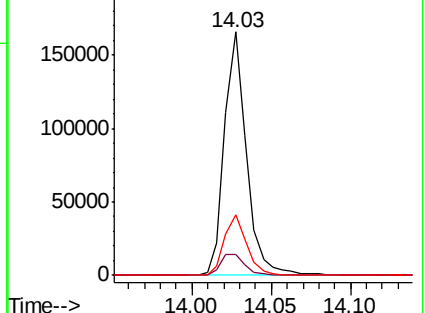
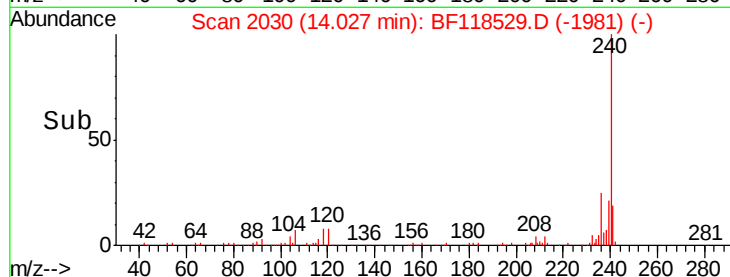
236 25.0 20.1 30.1



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: 123.847 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF118529.D

Acq: 10 Jan 2020 21:59

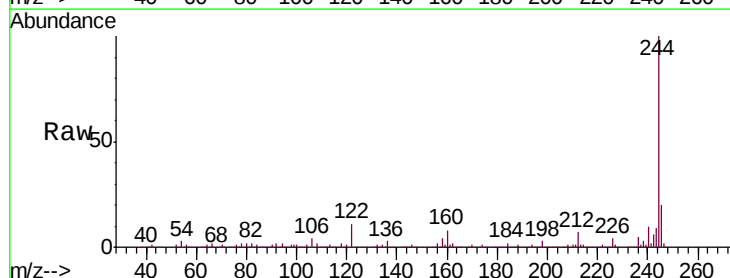
Tgt Ion:244 Resp: 1251049

Ion Ratio Lower Upper

244 100

212 7.3 5.6 8.4

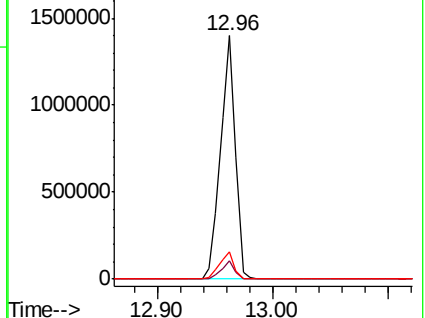
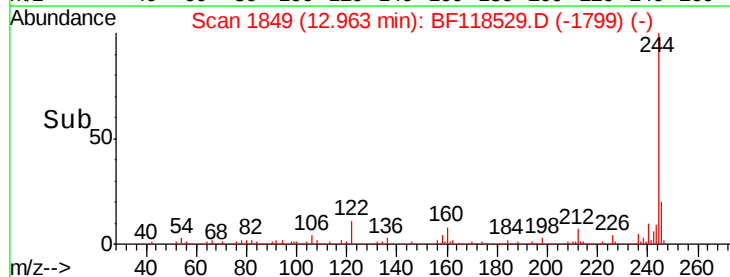
122 11.4 9.0 13.6

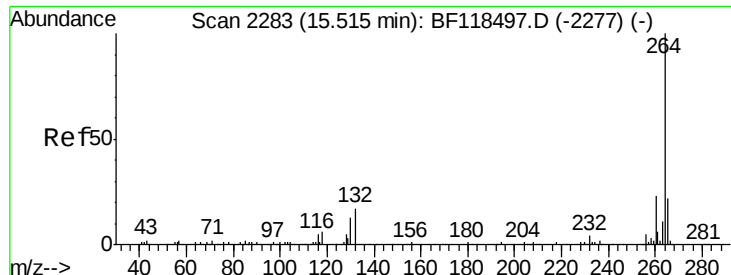


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.52 min Scan# 2283
Delta R.T. 0.00 min
Lab File: BF118529.D
Acq: 10 Jan 2020 21:59

Instrument :
BNA_F
ClientSampleId :
AF-2

Tgt Ion: 264 Resp: 144936
Ion Ratio Lower Upper
264 100
260 22.0 18.8 28.2
265 21.2 17.5 26.3

