

Data File : BF118527.D
Acq On : 10 Jan 2020 21:03
Operator : JU
Sample : L1070-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RBR-200059

Quant Time: Jan 11 02:56:11 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

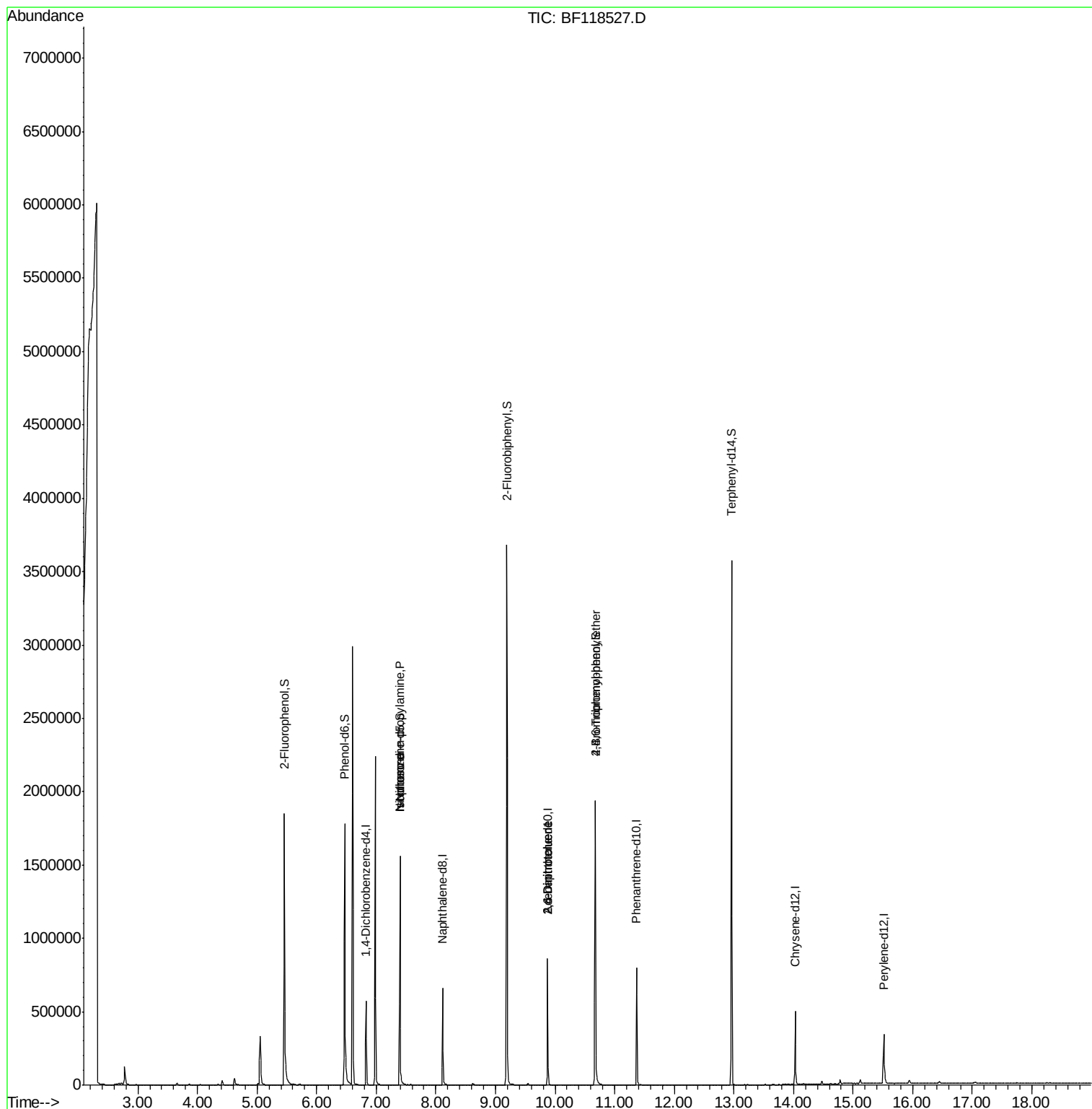
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	81148	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	319390	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	170406	20.00	ng	-0.01
64) Phenanthrene-d10	11.37	188	299455	20.00	ng	-0.01
76) Chrysene-d12	14.03	240	176426	20.00	ng	-0.01
87) Perylene-d12	15.52	264	187979	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	601789	122.42	ng	0.01
7) Phenol-d6	6.47	99	647207	110.12	ng	0.00
23) Nitrobenzene-d5	7.40	82	507475	83.47	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	265999	132.29	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1072251	90.24	ng	-0.01
79) Terphenyl-d14	12.96	244	1160364	104.23	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	71201	18.810	ng	# 71
25) Isophorone	7.40	82	507472	52.100	ng	# 63
51) 2,6-Dinitrotoluene	9.87	165	21390	7.594	ng	# 24
57) 2,4-Dinitrotoluene	9.87	165	21390	5.672	ng	# 21
67) 4-Bromophenyl-phenylether	10.67	248	16230	4.627	ng	# 1
77) Benzidine	12.96	184	16276	Below Cal		# 94

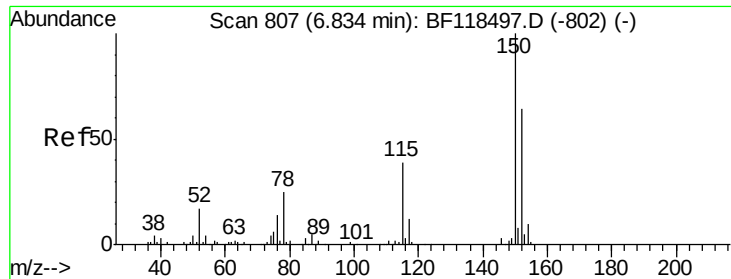
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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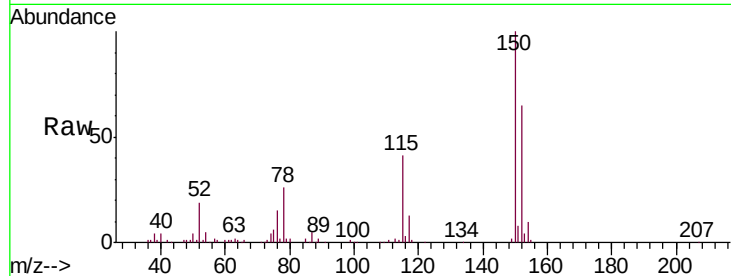


#1

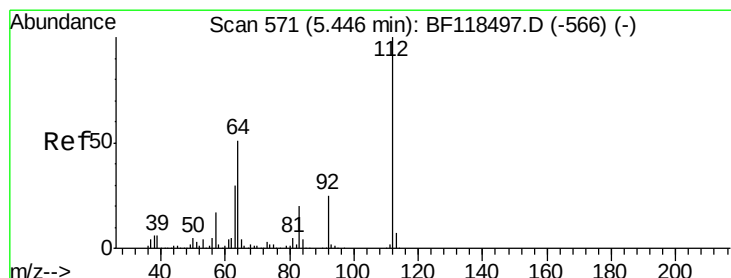
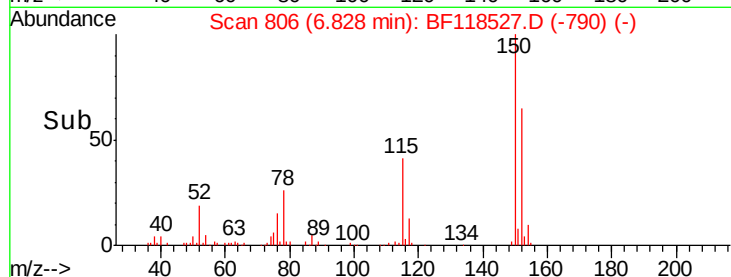
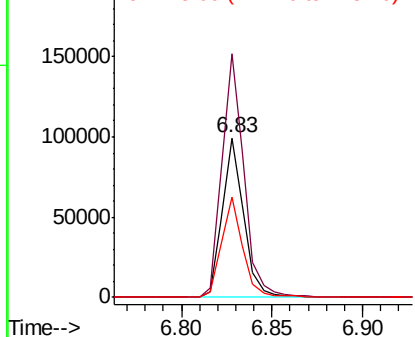
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF118527.D
Acq: 10 Jan 2020 21:03

Instrument :
BNA_F
ClientSampleId :
RBR-200059

Tgt Ion:152 Resp: 81148
Ion Ratio Lower Upper
152 100
150 152.8 124.7 187.1
115 63.3 49.0 73.6



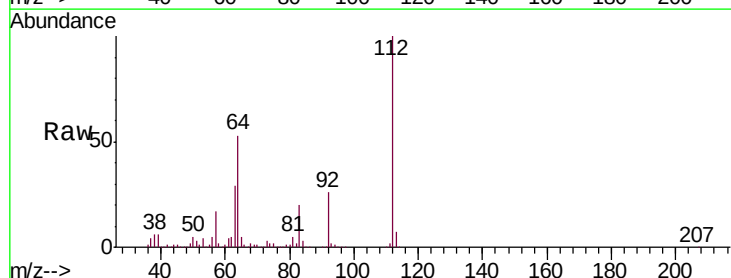
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



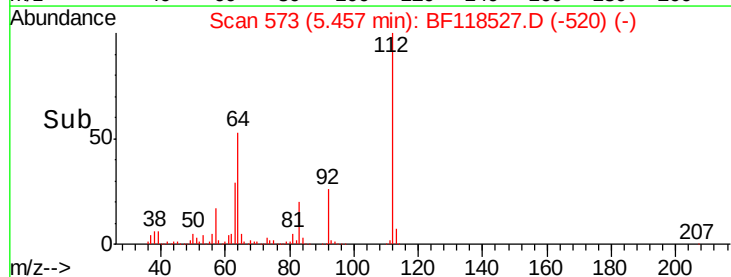
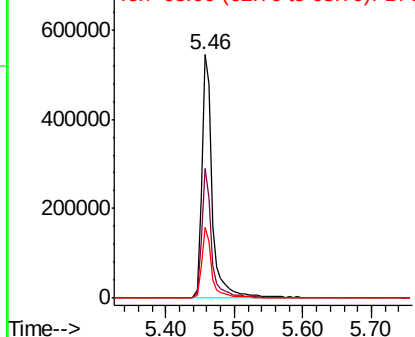
#5

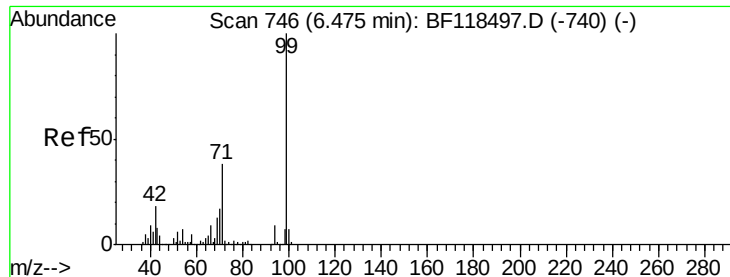
2-Fluorophenol
Concen: 122.419 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.01 min
Lab File: BF118527.D
Acq: 10 Jan 2020 21:03

Tgt Ion:112 Resp: 601789
Ion Ratio Lower Upper
112 100
64 53.4 41.1 61.7
63 29.1 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: 110.122 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF118527.D

Acq: 10 Jan 2020 21:03

Instrument :

BNA_F

ClientSampleId :

RBR-200059

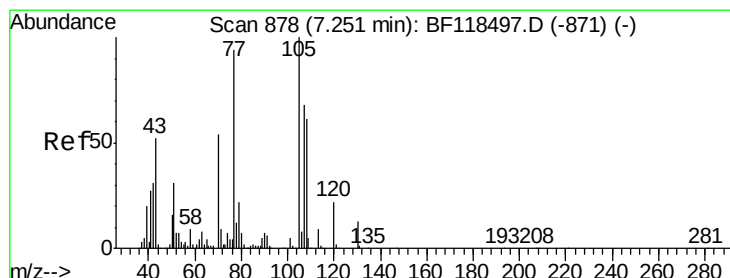
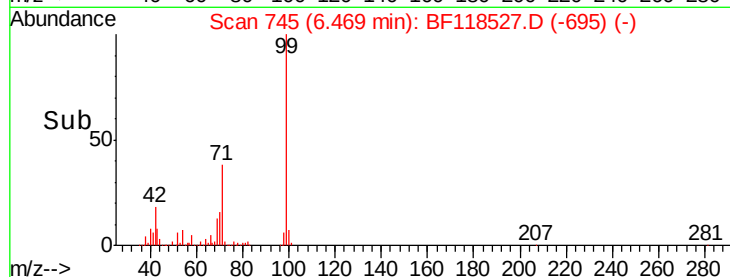
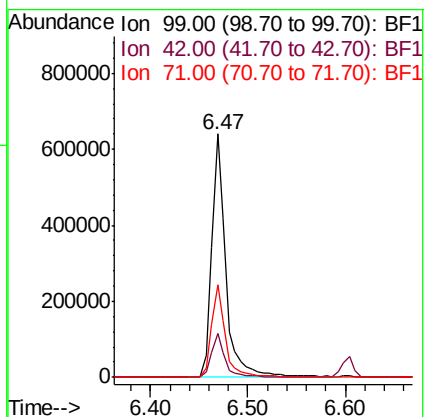
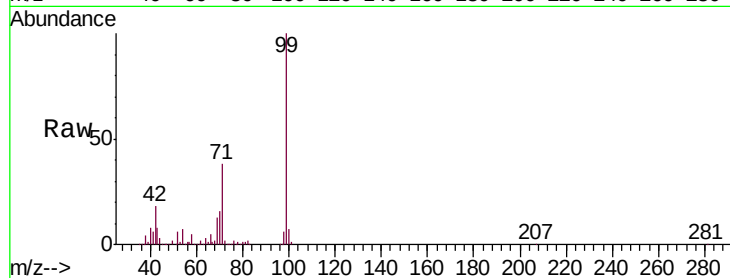
Tgt Ion: 99 Resp: 647207

Ion Ratio Lower Upper

99 100

42 18.1 14.5 21.7

71 38.0 30.6 45.8



#19

n-Nitroso-di-n-propylamine

Concen: 18.810 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.15 min

Lab File: BF118527.D

Acq: 10 Jan 2020 21:03

Tgt Ion: 70 Resp: 71201

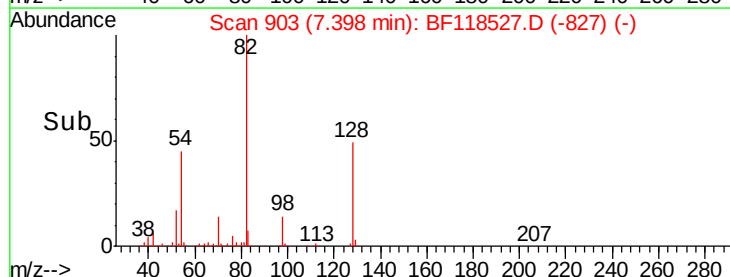
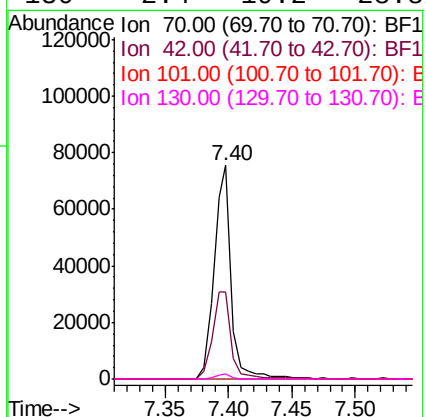
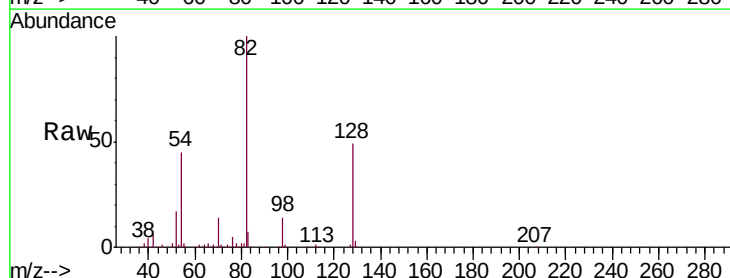
Ion Ratio Lower Upper

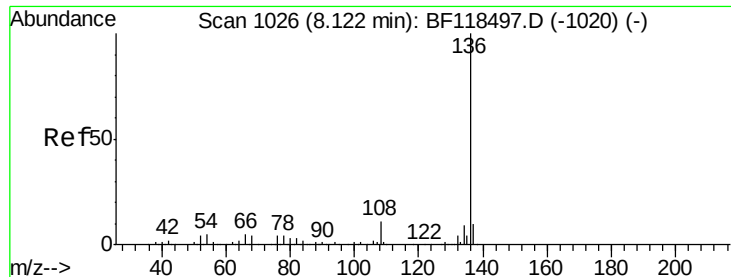
70 100

42 40.5 45.6 68.4#

101 0.0 8.2 12.2#

130 2.4 19.2 28.8#

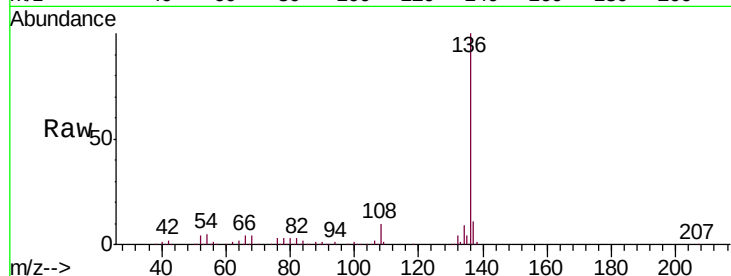




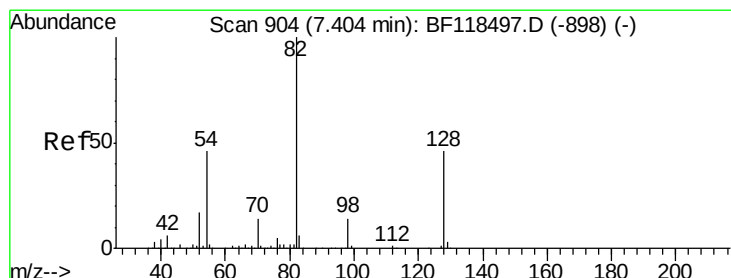
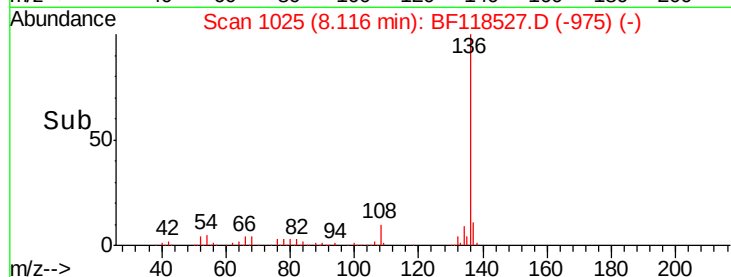
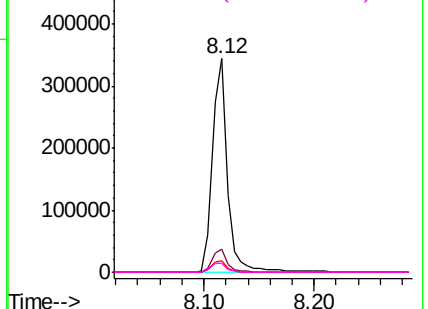
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF118527.D
Acq: 10 Jan 2020 21:03

Instrument :
BNA_F
ClientSampleId :
RBR-200059

Tgt Ion:	136	Resp:	319390
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.3	12.5
54	5.4	4.2	6.2
68	4.0	3.3	4.9

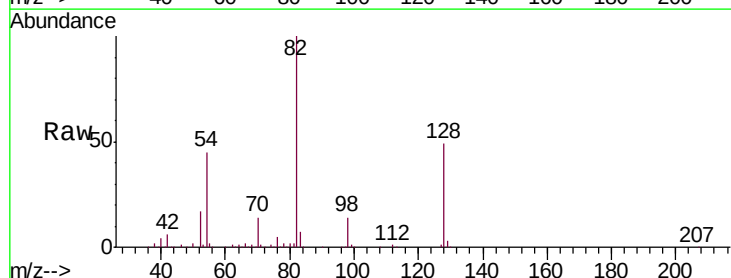


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

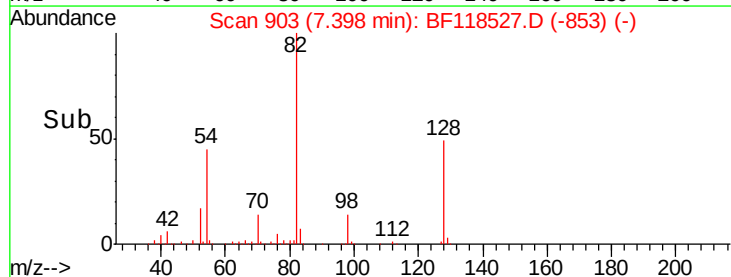
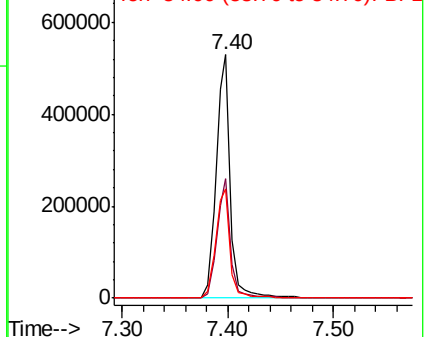


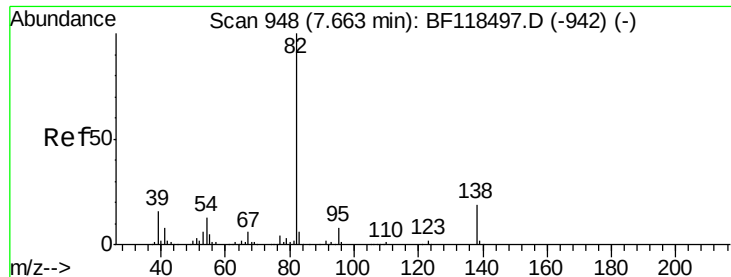
#23
Nitrobenzene-d5
Concen: 83.466 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF118527.D
Acq: 10 Jan 2020 21:03

Tgt Ion:	82	Resp:	507475
Ion	Ratio	Lower	Upper
82	100		
128	49.3	36.6	54.8
54	45.0	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: 52.100 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.26 min

Lab File: BF118527.D

Acq: 10 Jan 2020 21:03

Instrument :

BNA_F

ClientSampleId :

RBR-200059

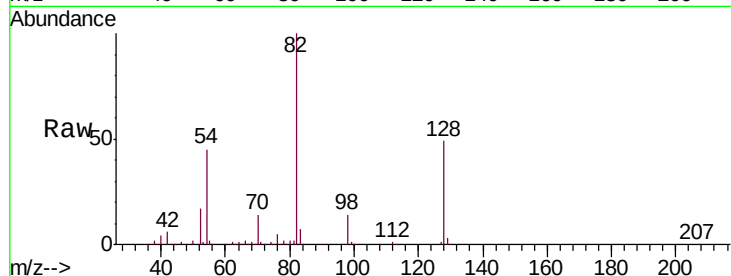
Tgt Ion: 82 Resp: 507472

Ion Ratio Lower Upper

82 100

95 0.0 6.6 9.8#

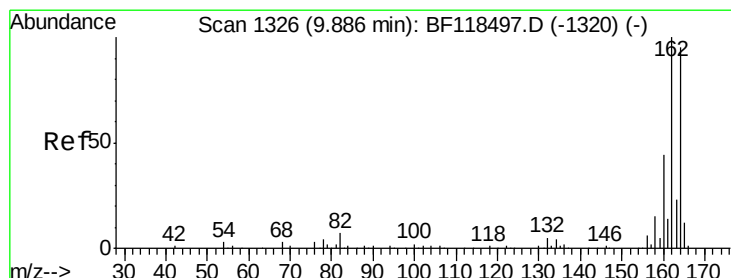
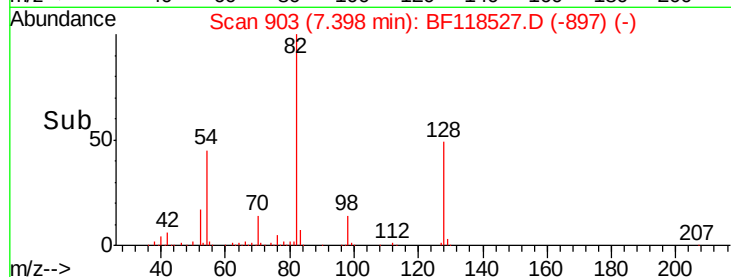
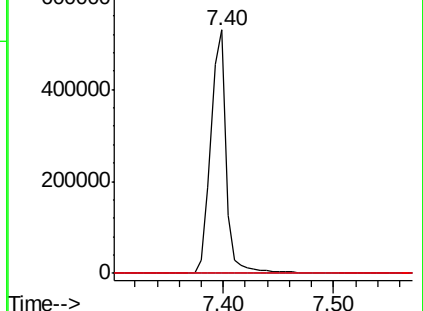
138 0.0 15.4 23.2#



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: BF118527.D

Acq: 10 Jan 2020 21:03

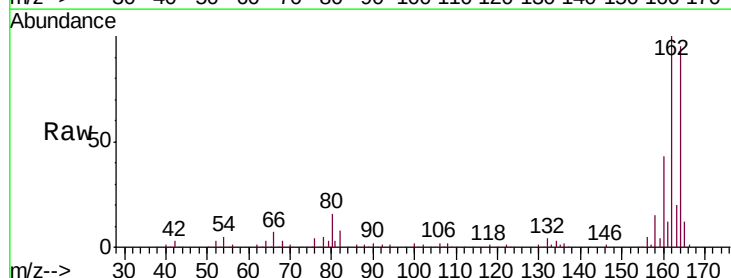
Tgt Ion: 164 Resp: 170406

Ion Ratio Lower Upper

164 100

162 104.8 84.2 126.4

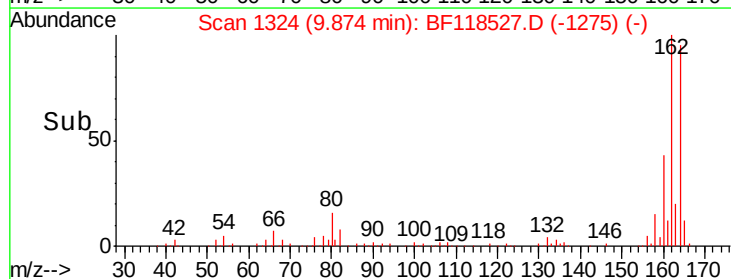
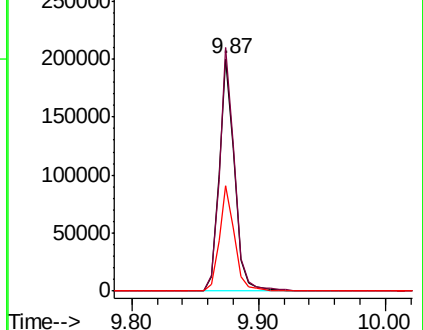
160 45.3 36.8 55.2

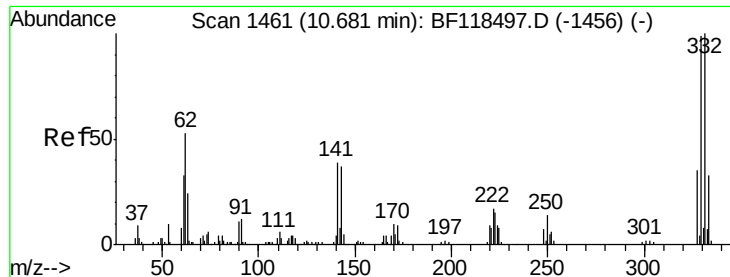


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

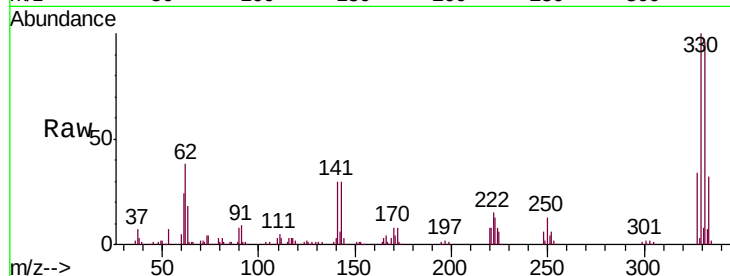




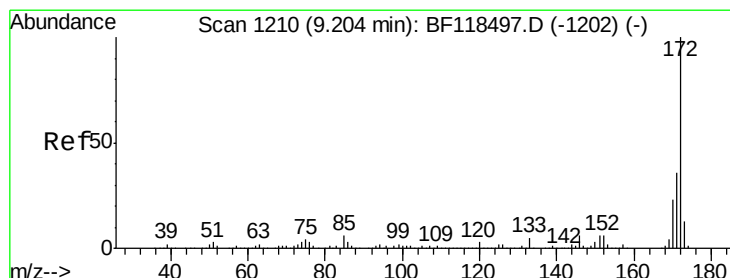
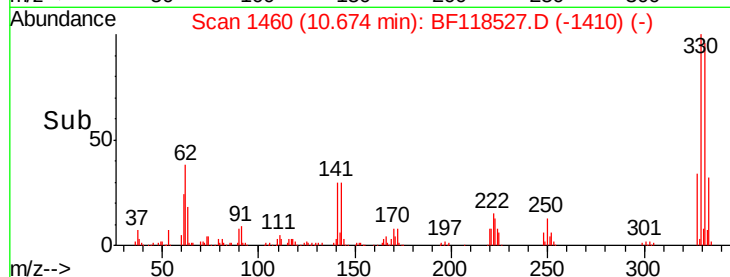
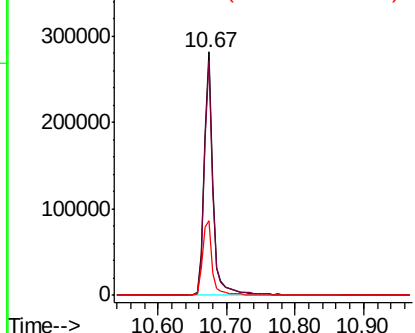
#42
 2,4,6-Tribromophenol
 Concen: 132.288 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BF118527.D
 Acq: 10 Jan 2020 21:03

Instrument :
 BNA_F
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 RBR-200059

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.9	116.9
141	33.7	28.6	43.0

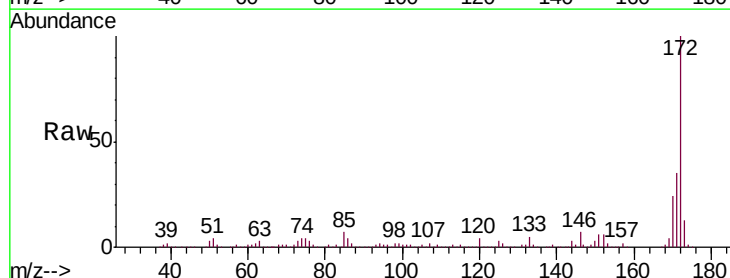


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

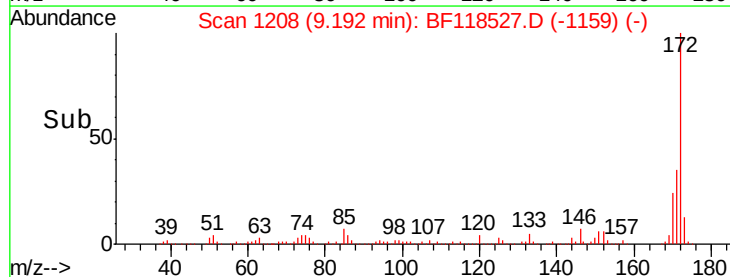
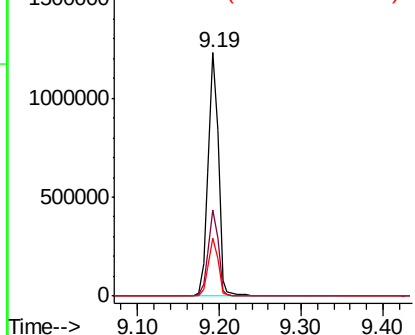


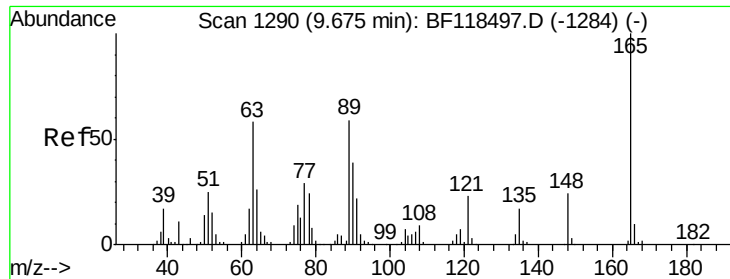
#45
 2-Fluorobiphenyl
 Concen: 90.245 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF118527.D
 Acq: 10 Jan 2020 21:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.6	42.8
170	23.7	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: 7.594 ng

RT: 9.87 min Scan# 1324

Delta R.T. 0.20 min

Lab File: BF118527.D

Acq: 10 Jan 2020 21:03

Instrument :

BNA_F

ClientSampleId :

RBR-200059

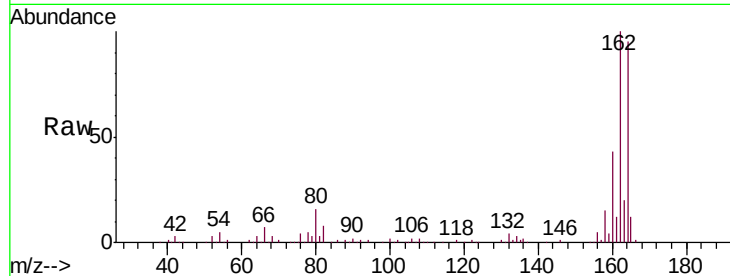
Tgt Ion:165 Resp: 21390

Ion Ratio Lower Upper

165 100

63 1.5 46.6 70.0#

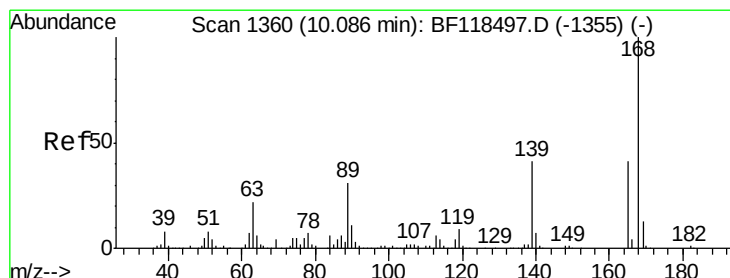
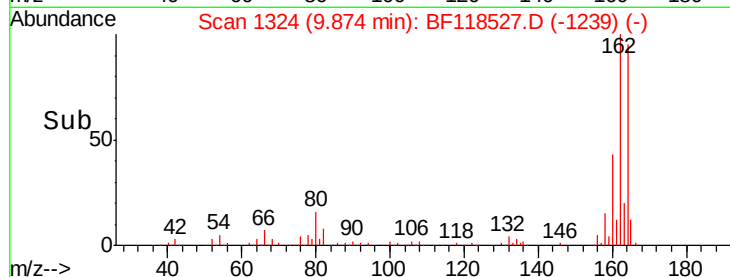
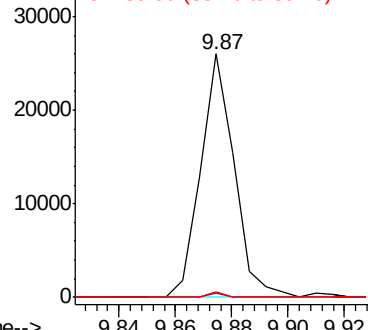
89 2.2 47.5 71.3#



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: 5.672 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.21 min

Lab File: BF118527.D

Acq: 10 Jan 2020 21:03

Tgt Ion:165 Resp: 21390

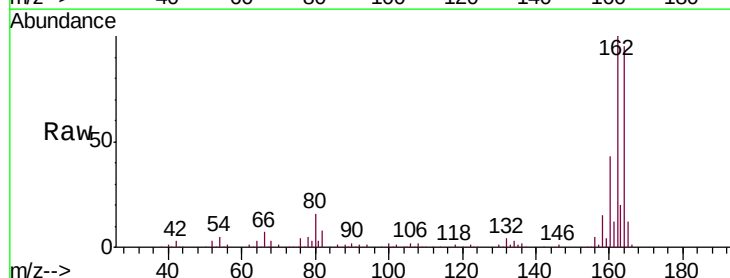
Ion Ratio Lower Upper

165 100

63 1.5 44.1 66.1#

89 2.2 60.4 90.6#

182 0.0 2.0 3.0#

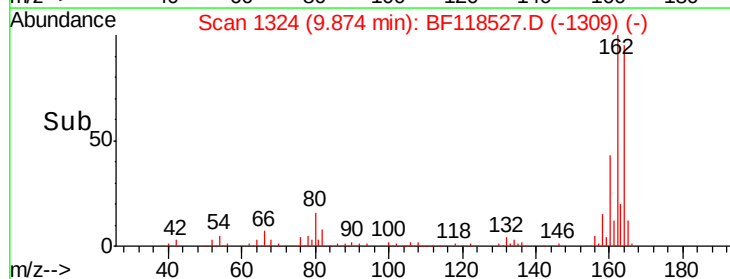
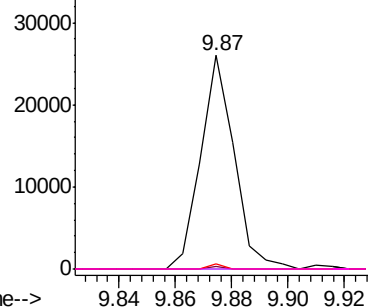


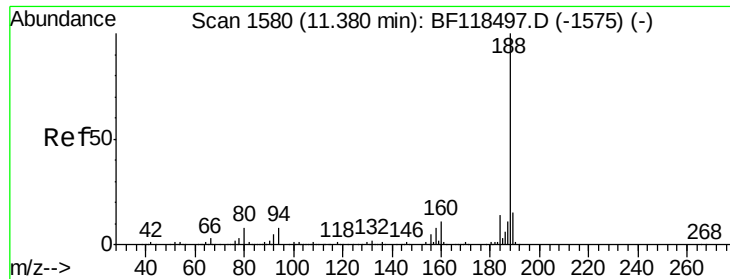
Abundance Ion 165.00 (164.70 to 165.70): E

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

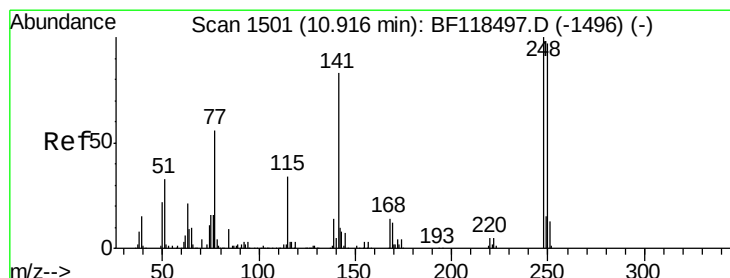
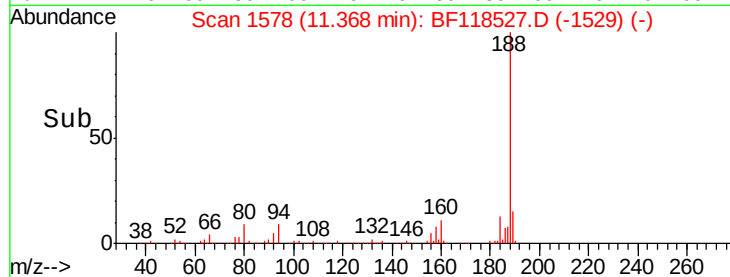
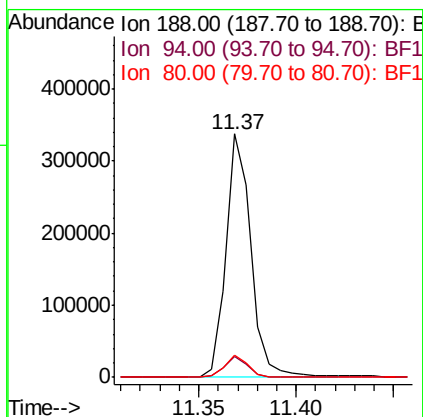
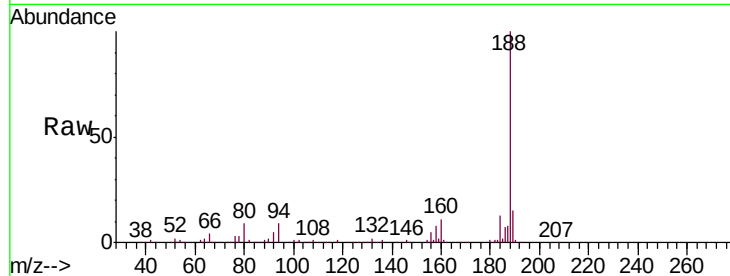




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1578
 Delta R.T. -0.01 min
 Lab File: BF118527.D
 Acq: 10 Jan 2020 21:03

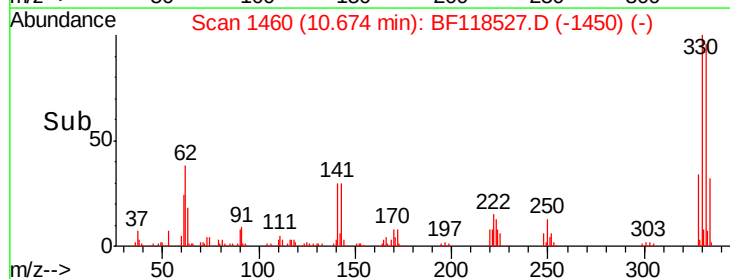
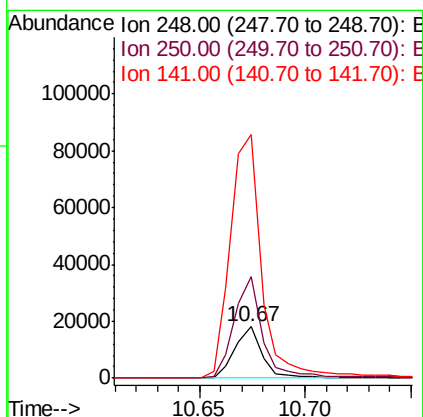
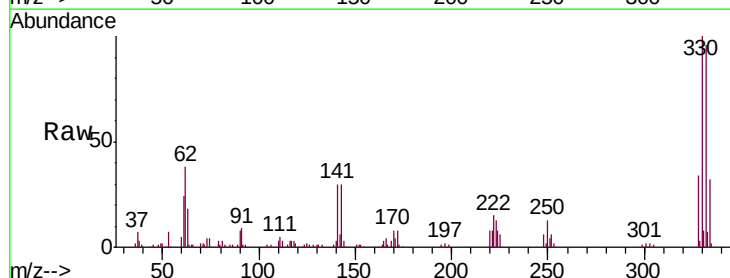
Instrument :
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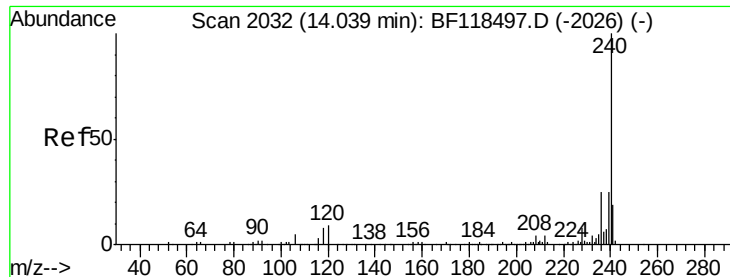
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.8	6.2	9.4
80	9.0	6.6	10.0



#67
 4-Bromophenyl-phenylether
 Concen: 4.627 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.24 min
 Lab File: BF118527.D
 Acq: 10 Jan 2020 21:03

Tgt Ion	Ratio	Lower	Upper
248	100		
250	199.5	77.4	116.0#
141	477.5	66.2	99.4#

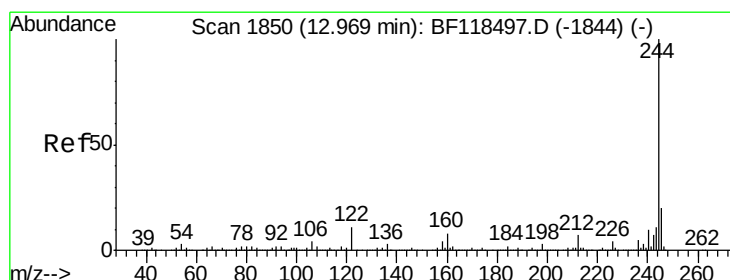
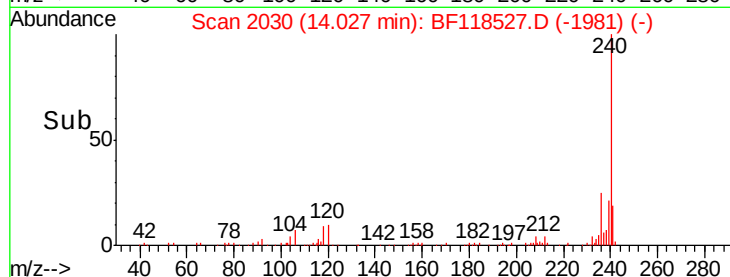
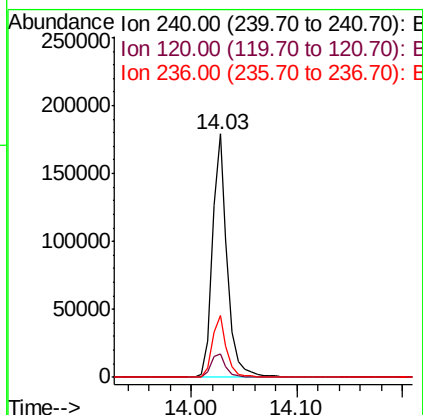
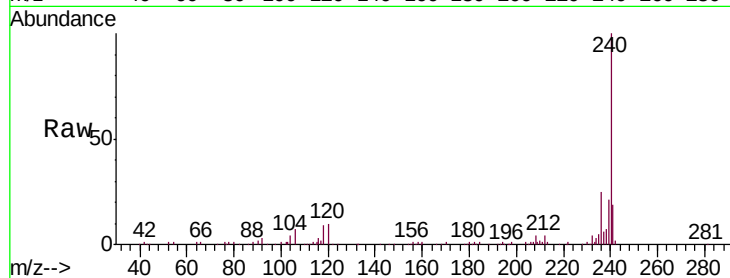




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF118527.D
Acq: 10 Jan 2020 21:03

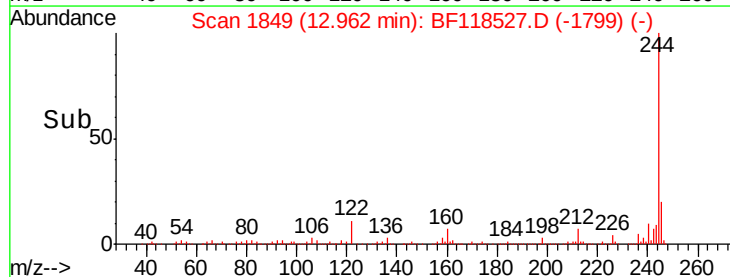
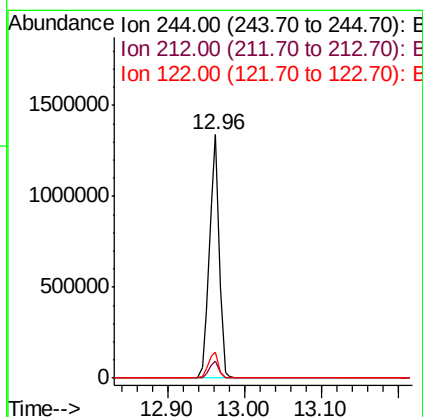
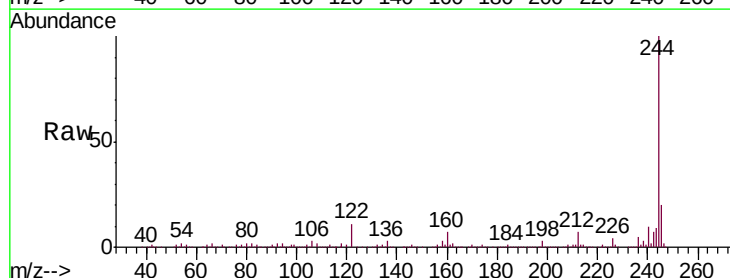
Instrument :
BNA_F
ClientSampleId :
RBR-200059

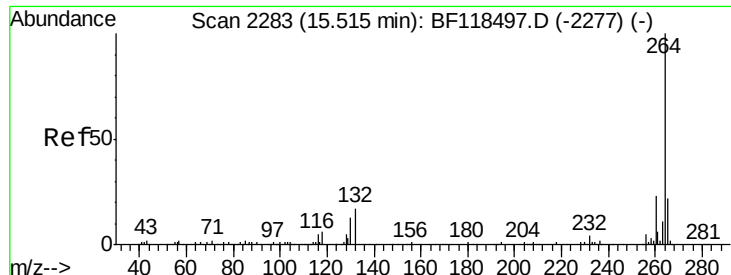
Tgt Ion:240 Resp: 176426
Ion Ratio Lower Upper
240 100
120 9.8 7.0 10.6
236 25.3 20.1 30.1



#79
Terphenyl-d14
Concen: 104.226 ng
RT: 12.96 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BF118527.D
Acq: 10 Jan 2020 21:03

Tgt Ion:244 Resp: 1160364
Ion Ratio Lower Upper
244 100
212 6.9 5.6 8.4
122 10.6 9.0 13.6

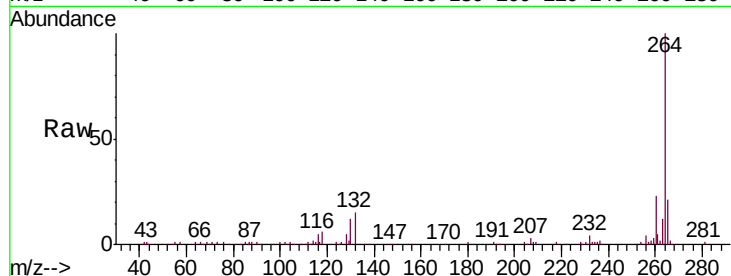




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2283
Delta R.T. -0.00 min
Lab File: BF118527.D
Acq: 10 Jan 2020 21:03

Instrument :
BNA_F
ClientSampleId :
RBR-200059

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.8	28.2
265	21.3	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

