

Data File : BF118643.D
Acq On : 21 Jan 2020 20:13
Operator : CG/JU
Sample : PB126243TB
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB126243TB

Quant Time: Jan 22 04:19:48 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 20 14:45:03 2020
Response via : Initial Calibration

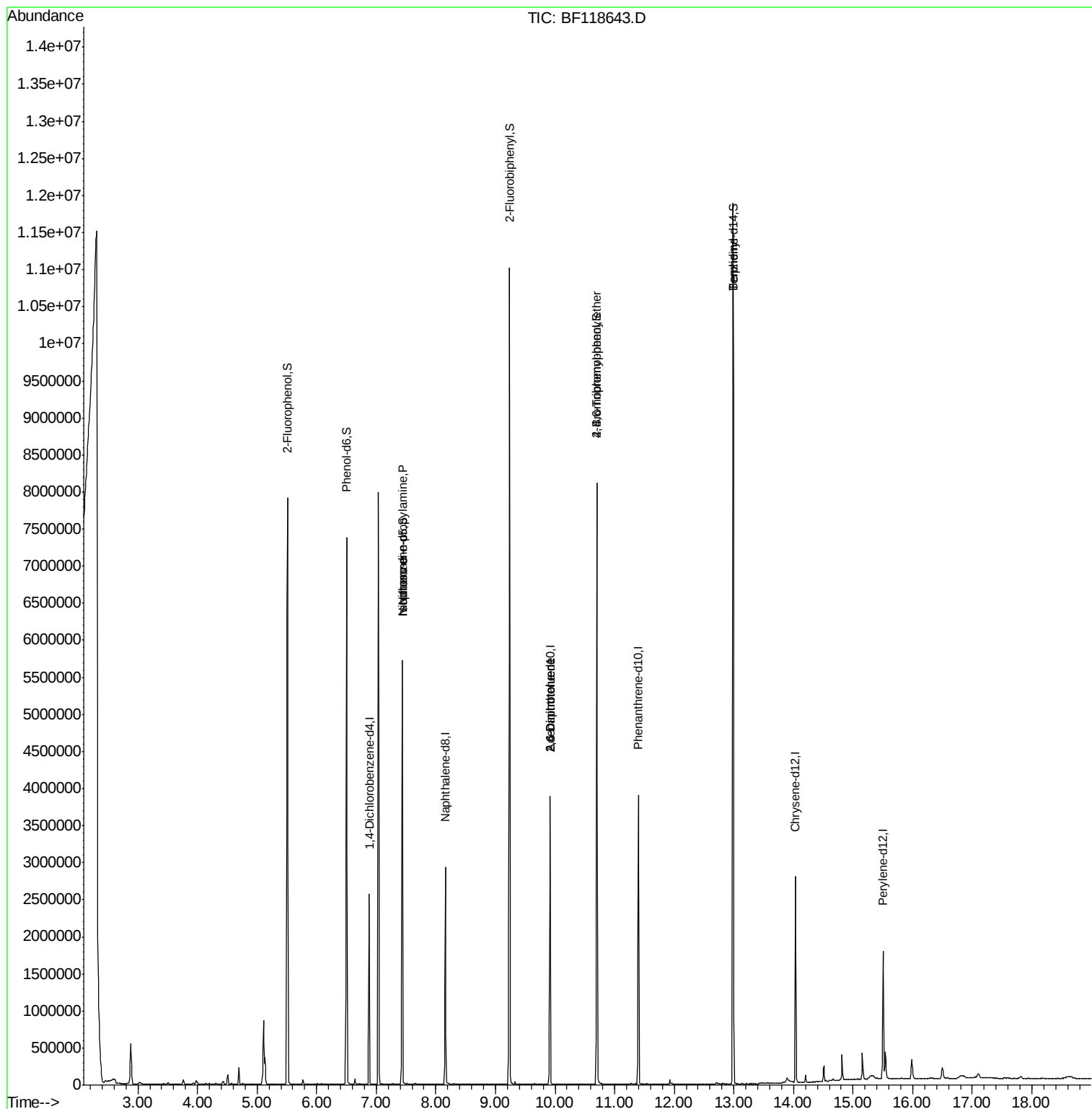
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	373040	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	1387017	20.00	ng	-0.01
39) Acenaphthene-d10	9.92	164	777752	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	1388500	20.00	ng	-0.01
76) Chrysene-d12	14.03	240	880078	20.00	ng	-0.01
87) Perylene-d12	15.50	264	843273	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	2354935	117.25	ng	0.01
7) Phenol-d6	6.50	99	2675524	102.49	ng	0.00
23) Nitrobenzene-d5	7.44	82	2085119	84.09	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	1133666	126.02	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	3780543	79.89	ng	0.00
79) Terphenyl-d14	12.99	244	4419785	109.54	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.44	70	292008	16.566	ng	# 75
25) Isophorone	7.44	82	2083028	46.055	ng	# 64
51) 2,6-Dinitrotoluene	9.92	165	103117	9.088	ng	# 21
57) 2,4-Dinitrotoluene	9.92	165	103117	7.209	ng	# 25
67) 4-Bromophenyl-phenylether	10.70	248	71030	4.141	ng	# 1
77) Benzidine	12.99	184	60794	2.585	ng	# 93

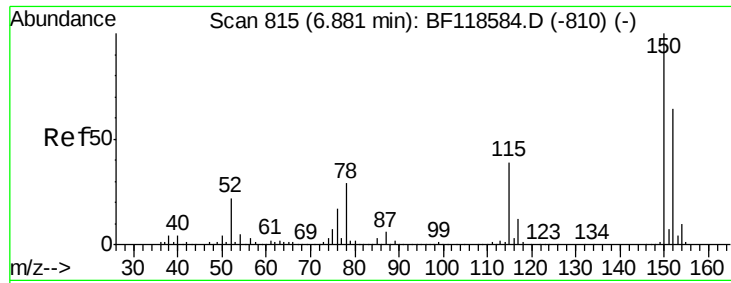
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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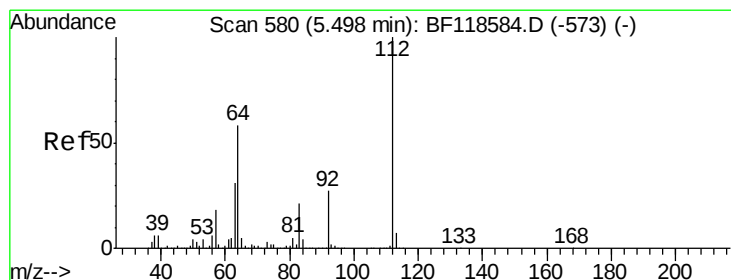
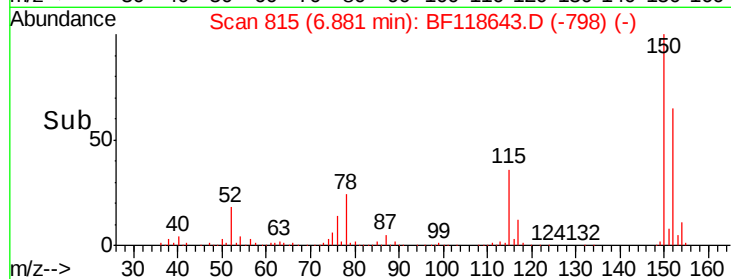
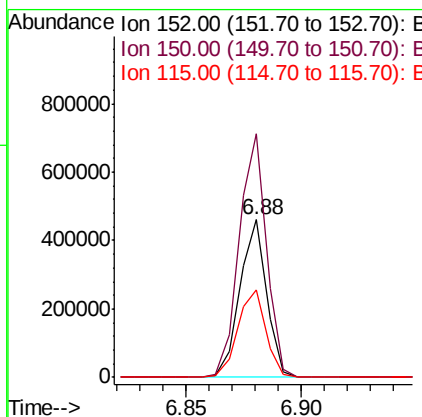
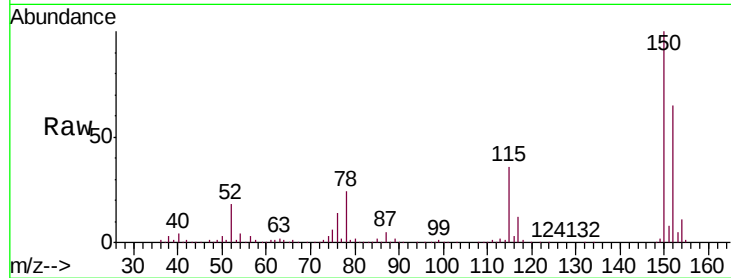




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.88 min Scan# 815
 Delta R.T. 0.00 min
 Lab File: BF118643.D
 Acq: 21 Jan 2020 20:13

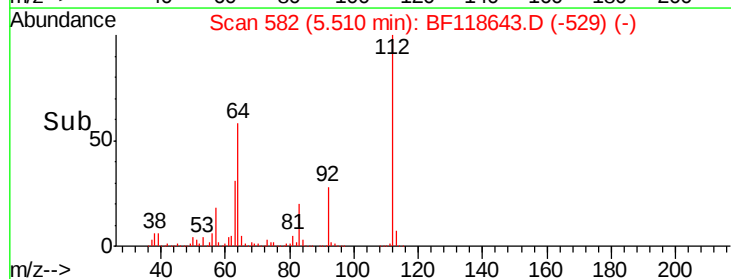
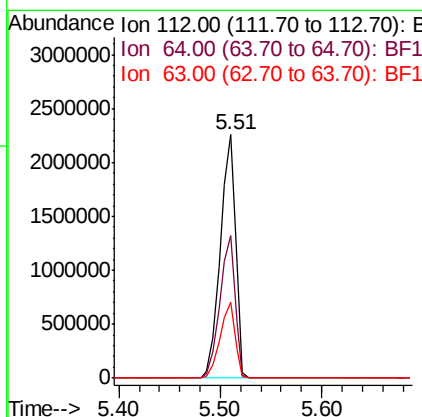
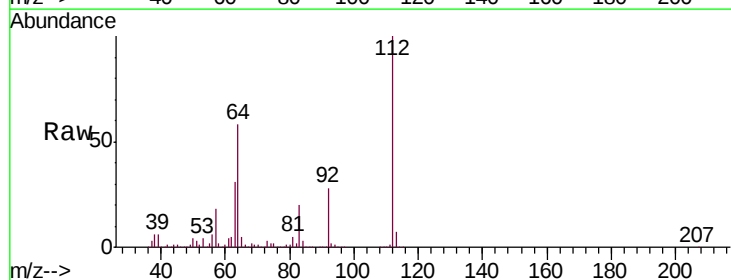
Instrument :
 BNA_F
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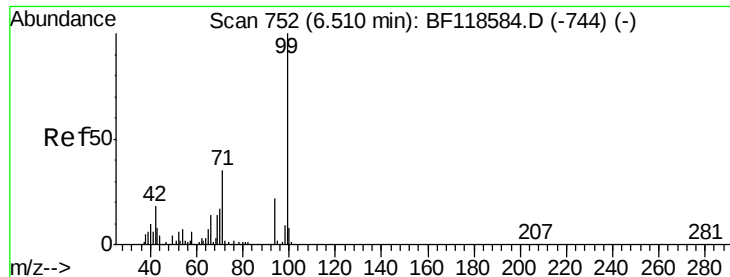
Tgt Ion:152 Resp: 373040
 Ion Ratio Lower Upper
 152 100
 150 154.6 125.6 188.4
 115 55.4 48.4 72.6



#5
 2-Fluorophenol
 Concen: 117.245 ng
 RT: 5.51 min Scan# 582
 Delta R.T. 0.01 min
 Lab File: BF118643.D
 Acq: 21 Jan 2020 20:13

Tgt Ion:112 Resp: 2354935
 Ion Ratio Lower Upper
 112 100
 64 58.3 46.6 70.0
 63 30.9 25.1 37.7





#7

Phenol-d6

Concen: 102.487 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF118643.D

Acq: 21 Jan 2020 20:13

Instrument :

BNA_F

ClientSampleId :

PB126243TB

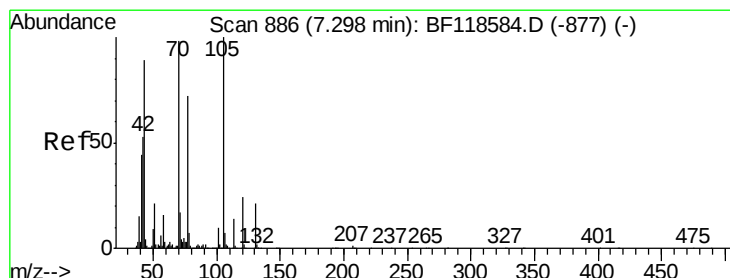
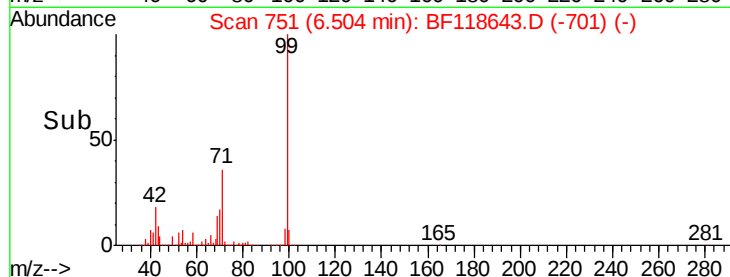
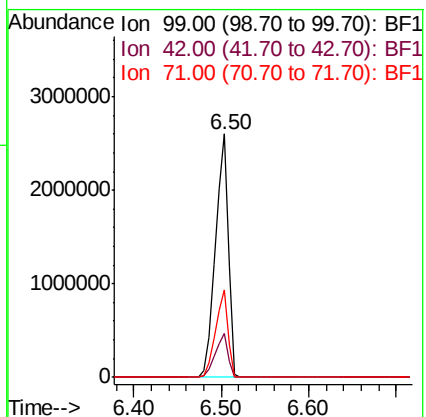
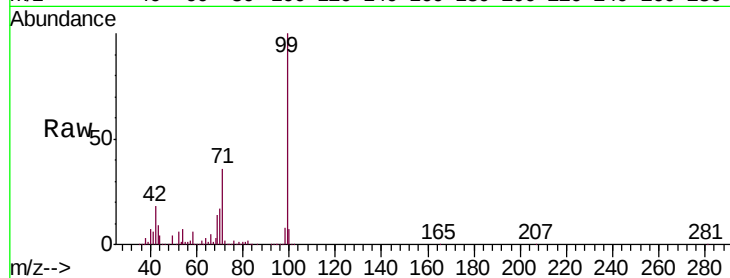
Tgt Ion: 99 Resp: 2675524

Ion Ratio Lower Upper

99 100

42 17.8 14.2 21.2

71 36.0 27.8 41.6



#19

n-Nitroso-di-n-propylamine

Concen: 16.566 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.14 min

Lab File: BF118643.D

Acq: 21 Jan 2020 20:13

Tgt Ion: 70 Resp: 292008

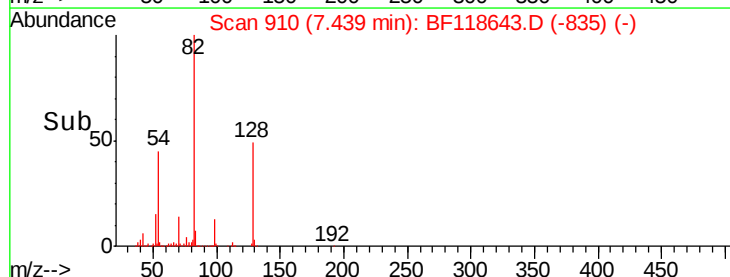
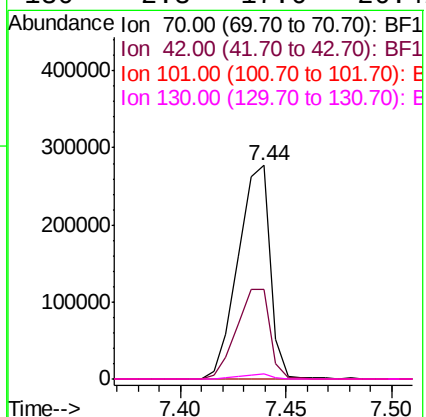
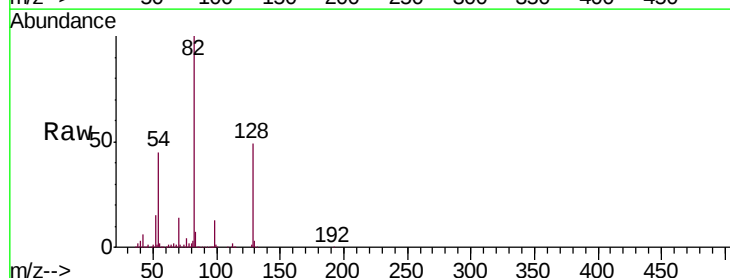
Ion Ratio Lower Upper

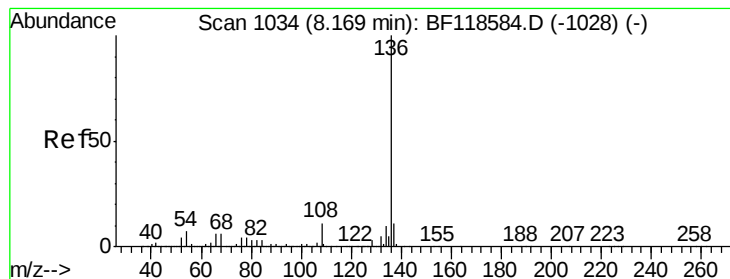
70 100

42 41.8 43.4 65.0#

101 0.0 8.1 12.1#

130 2.3 17.6 26.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF118643.D

Acq: 21 Jan 2020 20:13

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:136 Resp: 1387017

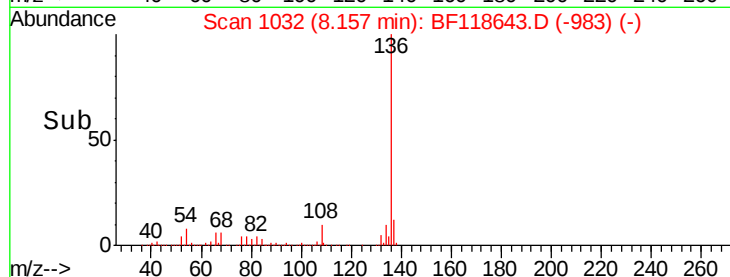
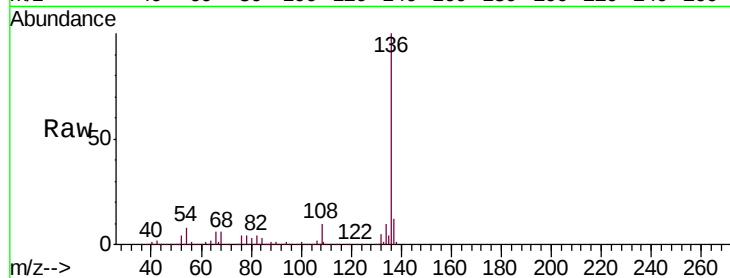
Ion Ratio Lower Upper

136 100

137 11.9 9.1 13.7

54 7.9 5.8 8.6

68 6.5 5.0 7.4

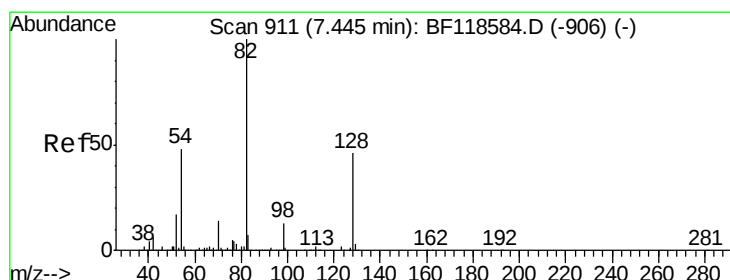
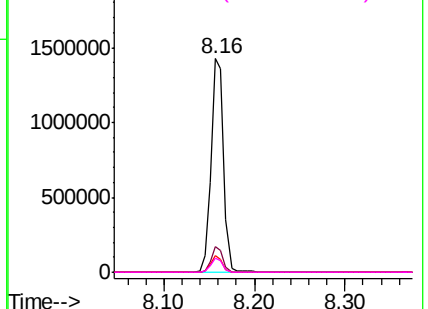


Abundance Ion 136.00 (135.70 to 136.70): E

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: 84.086 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF118643.D

Acq: 21 Jan 2020 20:13

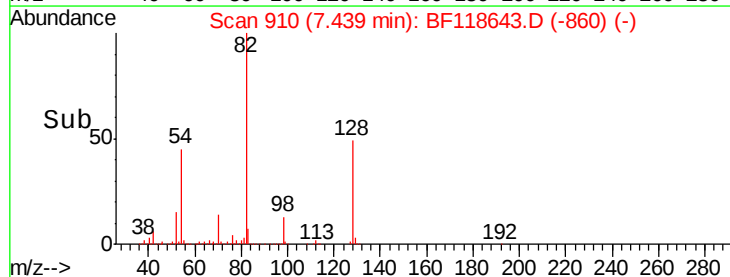
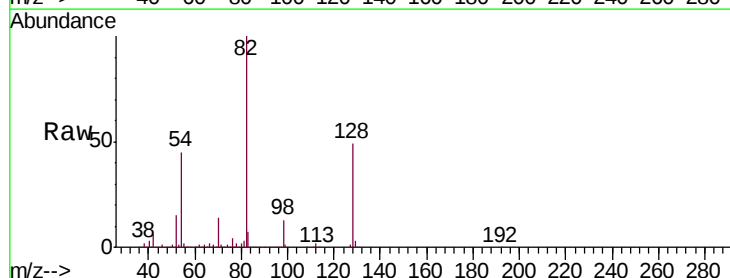
Tgt Ion: 82 Resp: 2085119

Ion Ratio Lower Upper

82 100

128 49.5 36.6 54.8

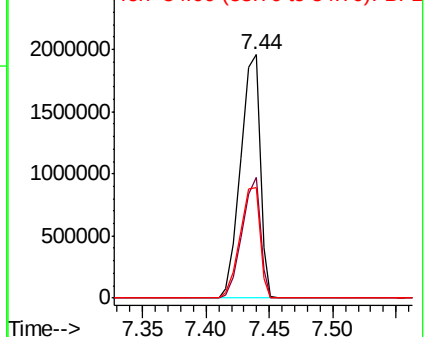
54 45.2 38.0 57.0

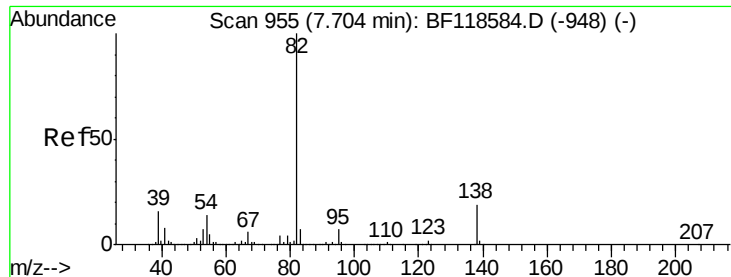


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

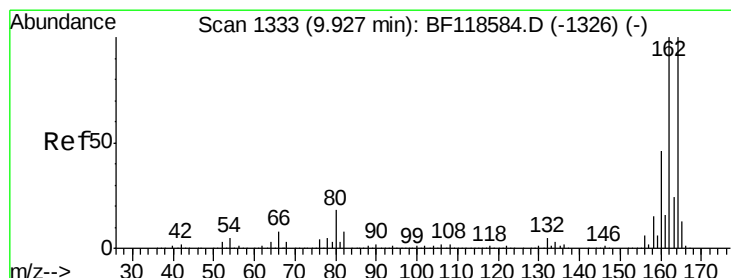
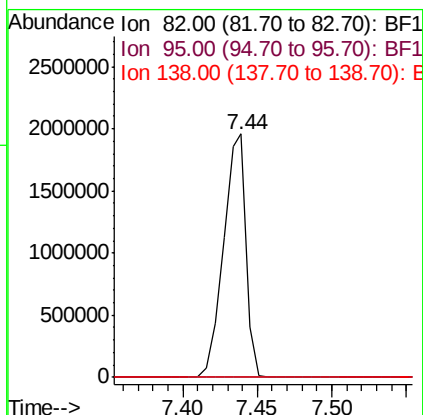
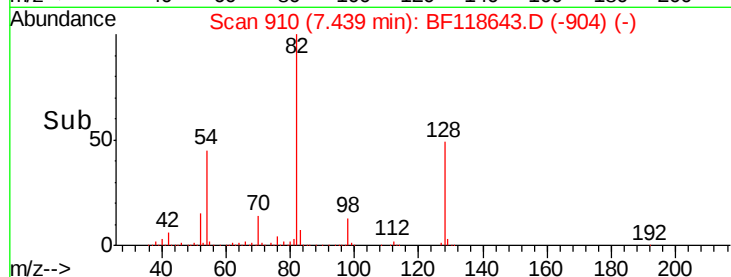
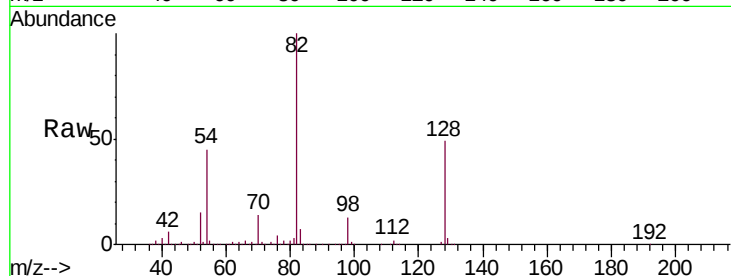




#25
Isophorone
Concen: 46.055 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.26 min
Lab File: BF118643.D
Acq: 21 Jan 2020 20:13

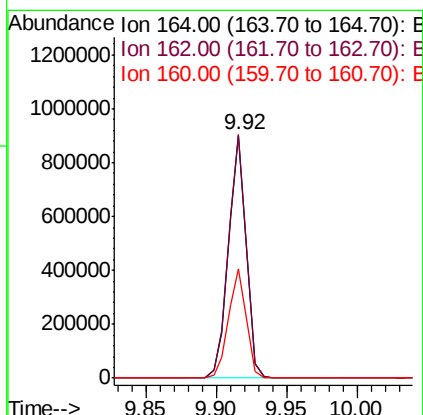
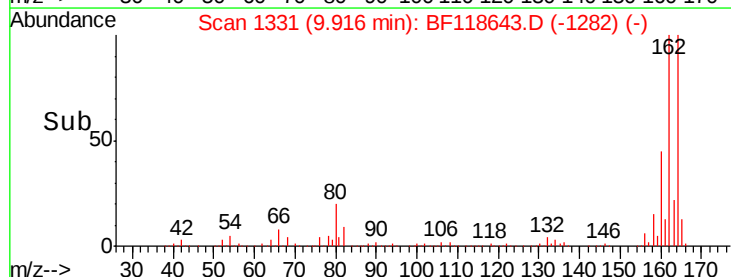
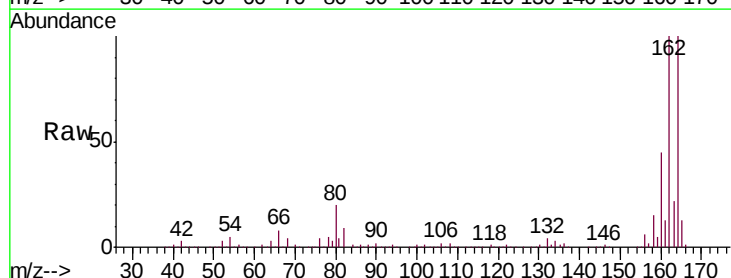
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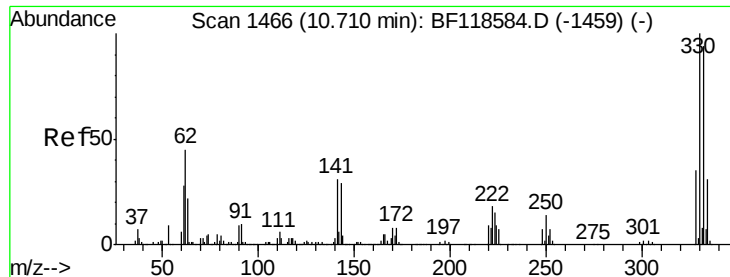
Tgt Ion: 82 Resp: 2083028
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 15.3 22.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF118643.D
Acq: 21 Jan 2020 20:13

Tgt Ion: 164 Resp: 777752
Ion Ratio Lower Upper
164 100
162 100.4 80.4 120.6
160 45.1 36.6 55.0

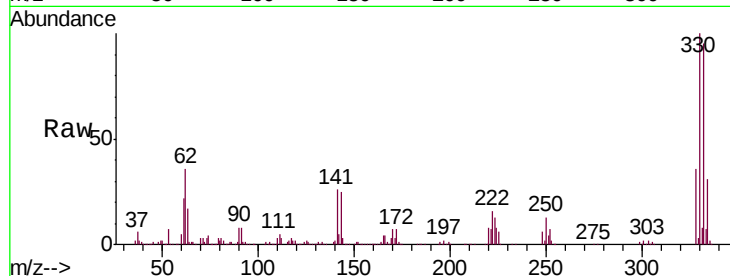




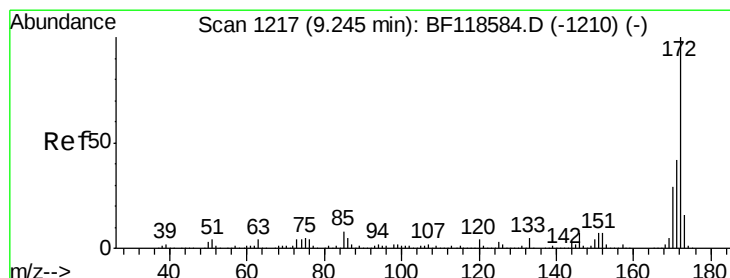
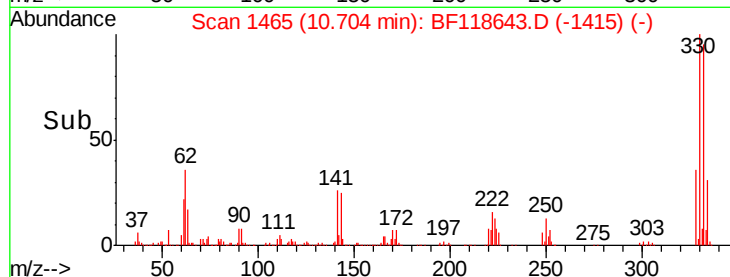
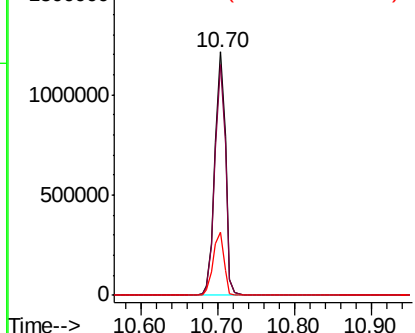
#42
 2,4,6-Tribromophenol
 Concen: 126.023 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF118643.D
 Acq: 21 Jan 2020 20:13

Instrument :
 BNA_F
 ClientSampleId :
 PB126243TB

Tgt Ion:330 Resp: 1133666
 Ion Ratio Lower Upper
 330 100
 332 95.2 76.2 114.4
 141 26.9 23.9 35.9

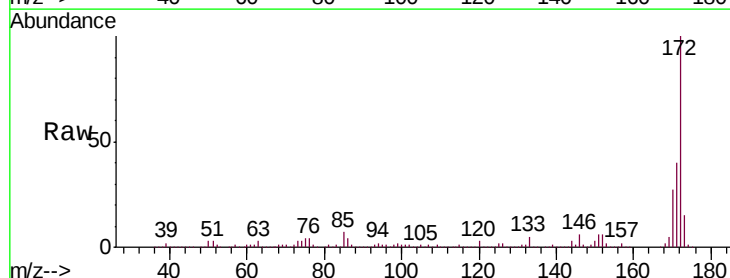


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

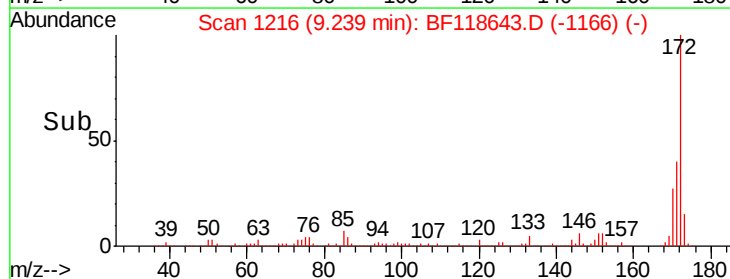
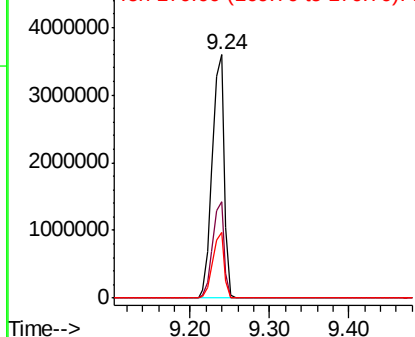


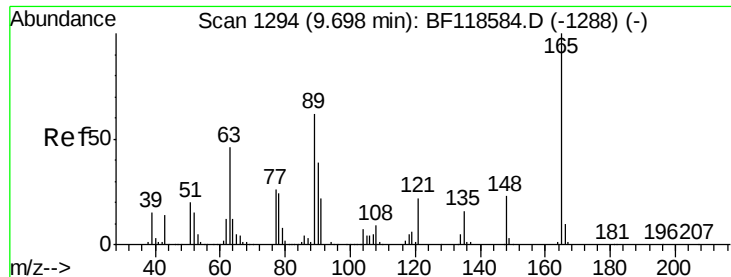
#45
 2-Fluorobiphenyl
 Concen: 79.894 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF118643.D
 Acq: 21 Jan 2020 20:13

Tgt Ion:172 Resp: 3780543
 Ion Ratio Lower Upper
 172 100
 171 39.6 33.4 50.2
 170 27.1 23.2 34.8



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

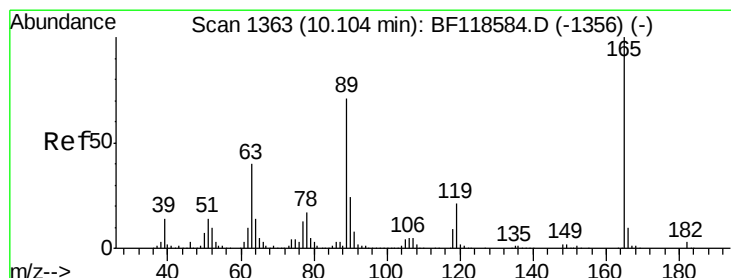
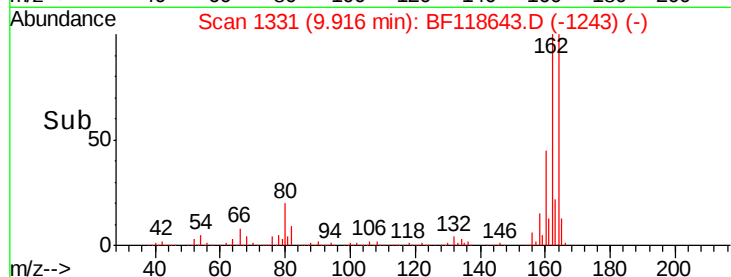
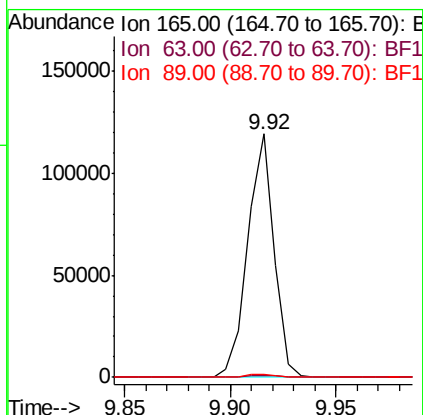
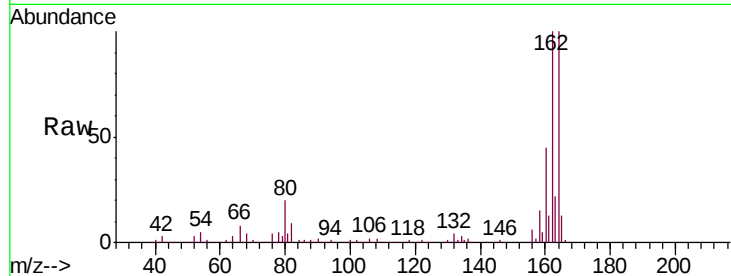




#51
 2,6-Dinitrotoluene
 Concen: 9.088 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.22 min
 Lab File: BF118643.D
 Acq: 21 Jan 2020 20:13

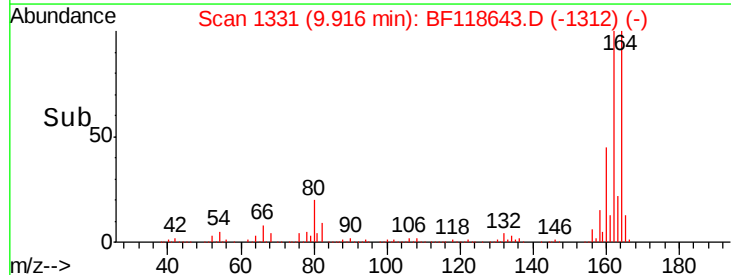
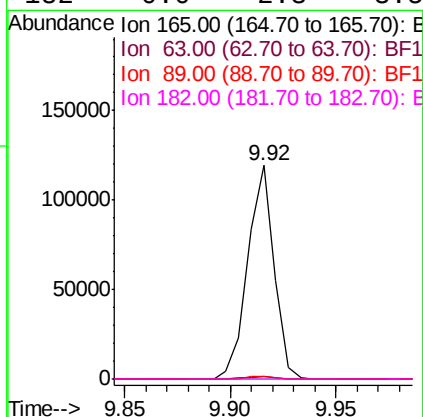
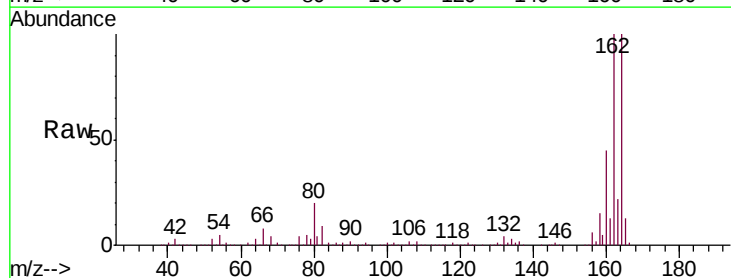
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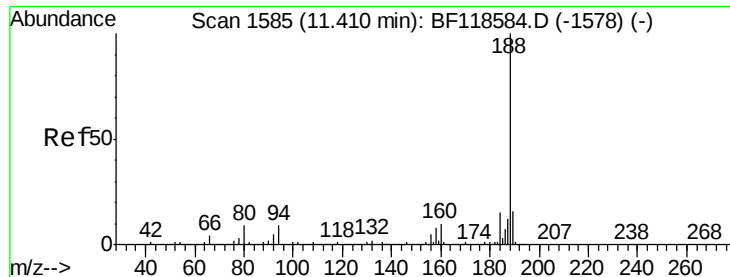
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	48.9	73.3#
89	1.4	49.8	74.6#



#57
 2,4-Dinitrotoluene
 Concen: 7.209 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF118643.D
 Acq: 21 Jan 2020 20:13

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	32.4	48.6#
89	1.4	56.4	84.6#
182	0.0	2.3	3.5#

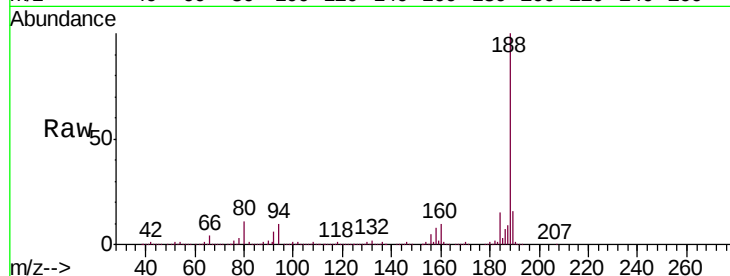




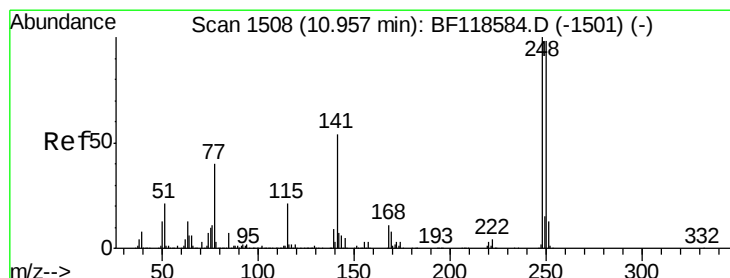
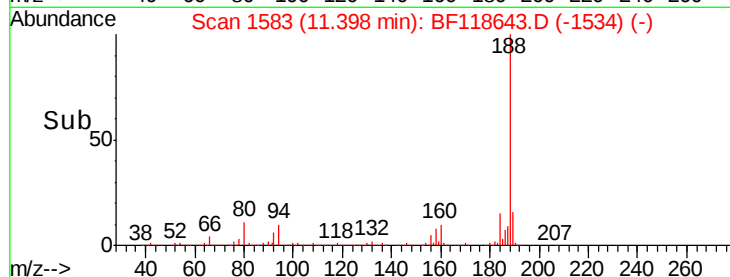
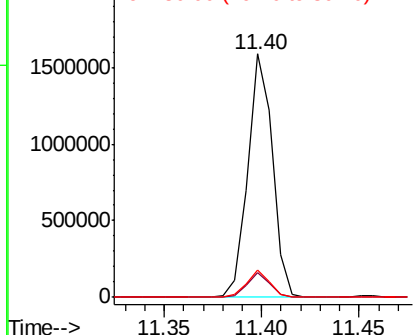
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF118643.D
Acq: 21 Jan 2020 20:13

Instrument :
BNA_F
ClientSampleId :
PB126243TB

Tgt Ion:188 Resp: 1388500
Ion Ratio Lower Upper
188 100
94 10.1 7.1 10.7
80 11.0 7.5 11.3

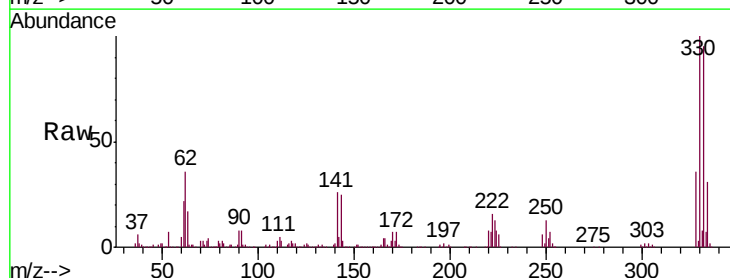


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

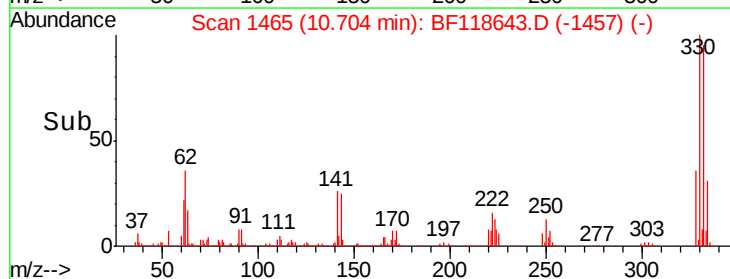
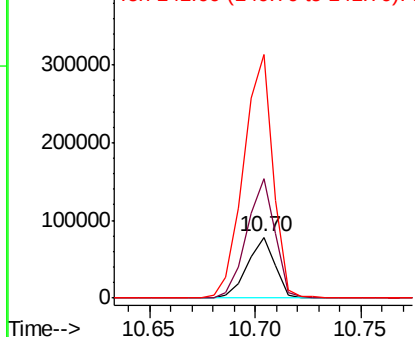


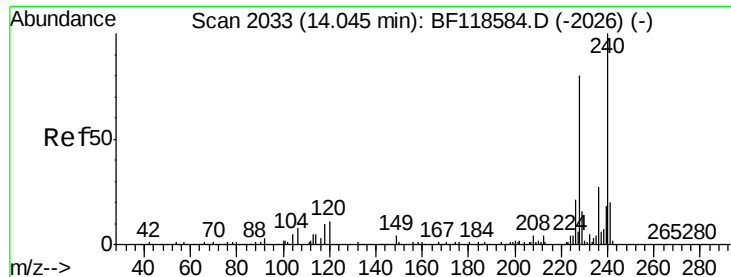
#67
4-Bromophenyl-phenylether
Concen: 4.141 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.25 min
Lab File: BF118643.D
Acq: 21 Jan 2020 20:13

Tgt Ion:248 Resp: 71030
Ion Ratio Lower Upper
248 100
250 196.9 78.7 118.1#
141 399.7 43.2 64.8#



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

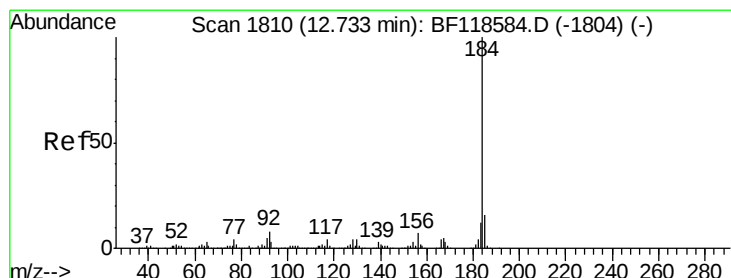
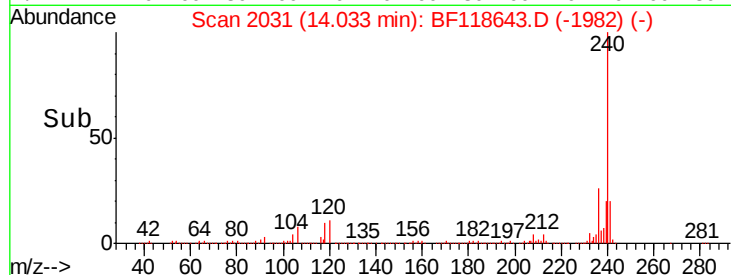
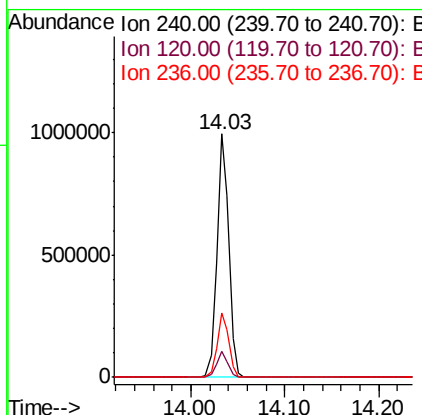
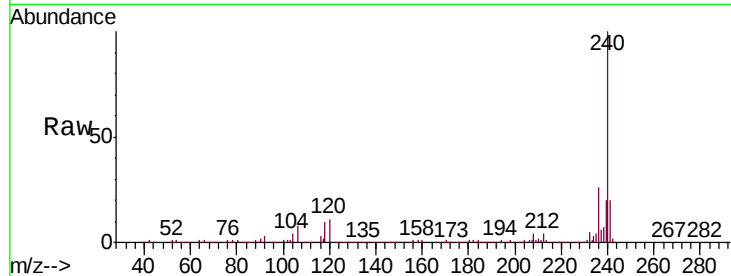




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF118643.D
Acq: 21 Jan 2020 20:13

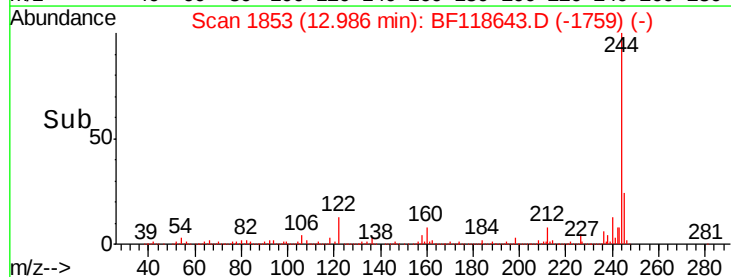
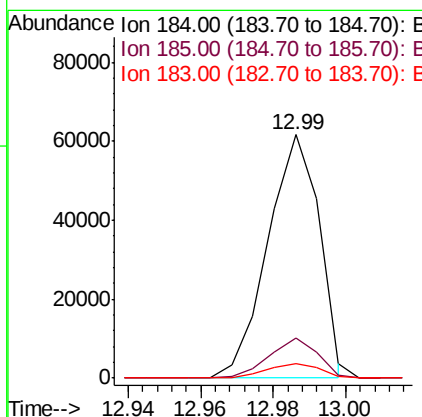
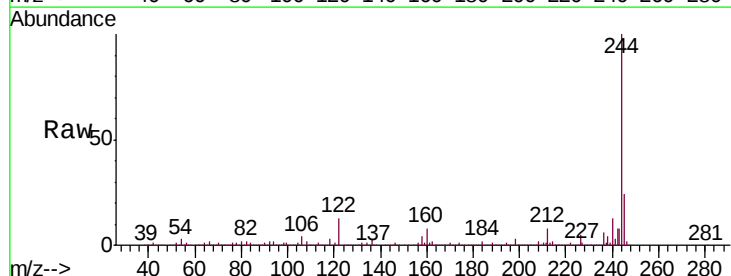
Instrument :
BNA_F
ClientSampleId :
PB126243TB

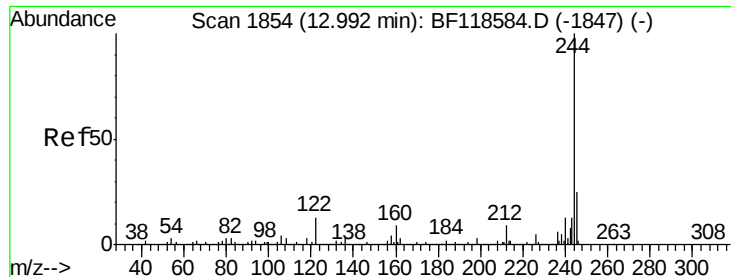
Tgt Ion:240 Resp: 880078
Ion Ratio Lower Upper
240 100
120 10.9 8.9 13.3
236 26.3 21.5 32.3



#77
Benzidine
Concen: 2.585 ng
RT: 12.99 min Scan# 1853
Delta R.T. 0.25 min
Lab File: BF118643.D
Acq: 21 Jan 2020 20:13

Tgt Ion:184 Resp: 60794
Ion Ratio Lower Upper
184 100
185 16.5 12.9 19.3
183 5.8 9.6 14.4#





#79

Terphenyl-d14

Concen: 109.535 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF118643.D

Acq: 21 Jan 2020 20:13

Instrument :

BNA_F

ClientSampleId :

PB126243TB

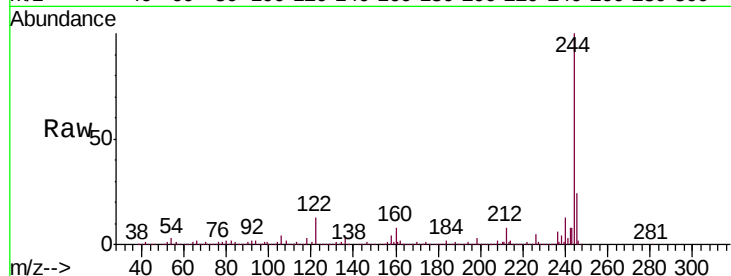
Tgt Ion:244 Resp: 4419785

Ion Ratio Lower Upper

244 100

212 8.2 7.0 10.4

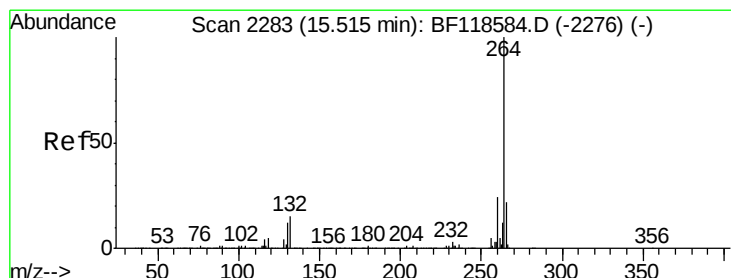
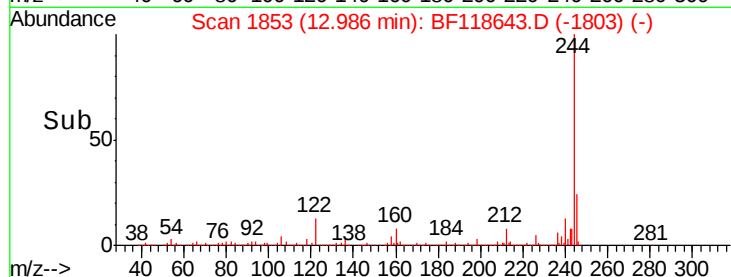
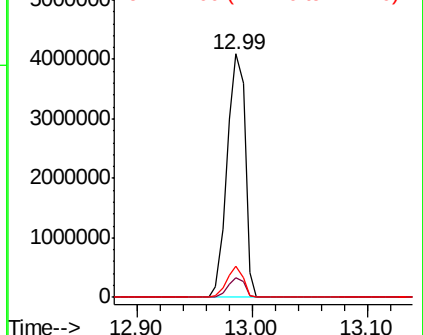
122 12.7 10.7 16.1



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: 15.50 min Scan# 2281

Delta R.T. -0.01 min

Lab File: BF118643.D

Acq: 21 Jan 2020 20:13

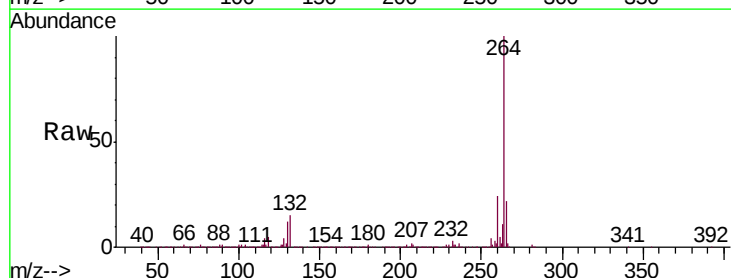
Tgt Ion:264 Resp: 843273

Ion Ratio Lower Upper

264 100

260 23.5 19.6 29.4

265 21.7 17.7 26.5



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

