

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013120\
 Data File : BF118788.D
 Acq On : 31 Jan 2020 18:06
 Operator : CG/JU
 Sample : L1325-10
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 31 22:05:17 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 27 14:24:10 2020
 Response via : Initial Calibration

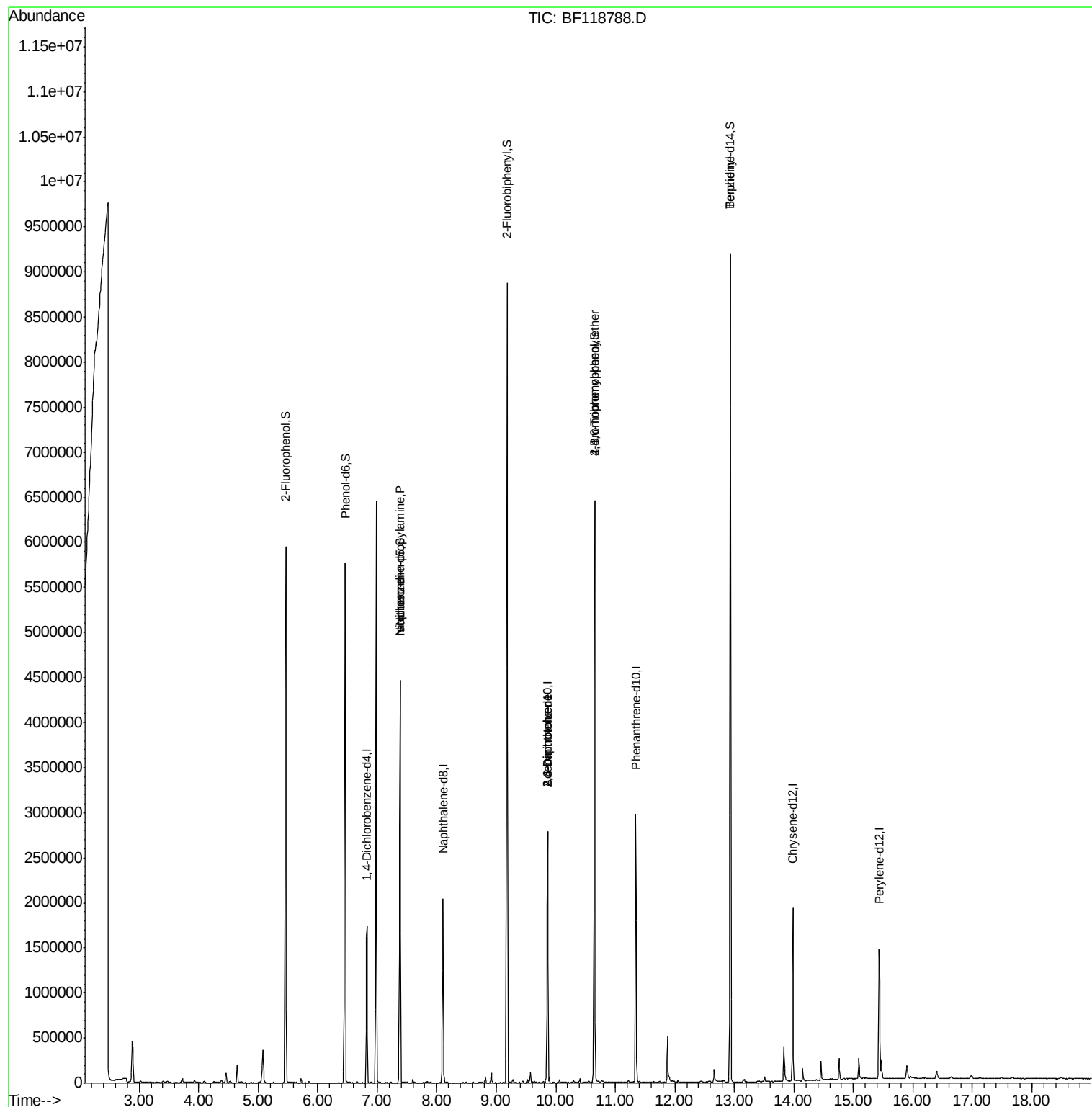
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	287517	20.00	ng	-0.04
21) Naphthalene-d8	8.10	136	1106663	20.00	ng	-0.04
39) Acenaphthene-d10	9.86	164	610216	20.00	ng	-0.04
64) Phenanthrene-d10	11.35	188	1065201	20.00	ng	-0.04
76) Chrysene-d12	13.98	240	621643	20.00	ng	-0.04
87) Perylene-d12	15.43	264	670961	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	2080648	134.40	ng	-0.01
7) Phenol-d6	6.46	99	2422876	120.42	ng	-0.03
23) Nitrobenzene-d5	7.39	82	1812526	91.61	ng	-0.04
42) 2,4,6-Tribromophenol	10.65	330	1016002	143.95	ng	-0.04
45) 2-Fluorobiphenyl	9.19	172	3575986	96.32	ng	-0.04
79) Terphenyl-d14	12.93	244	3681170	129.16	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.39	70	253265	18.641	ng	# 76
25) Isophorone	7.39	82	1804714	50.010	ng	# 63
51) 2,6-Dinitrotoluene	9.86	165	79042	8.879	ng	# 29
57) 2,4-Dinitrotoluene	9.86	165	79042	7.043	ng	# 30
67) 4-Bromophenyl-phenylether	10.65	248	67675	5.142	ng	# 1
77) Benzidine	12.93	184	48434	2.916	ng	# 92

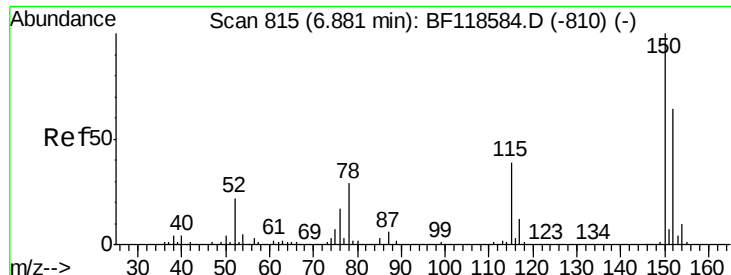
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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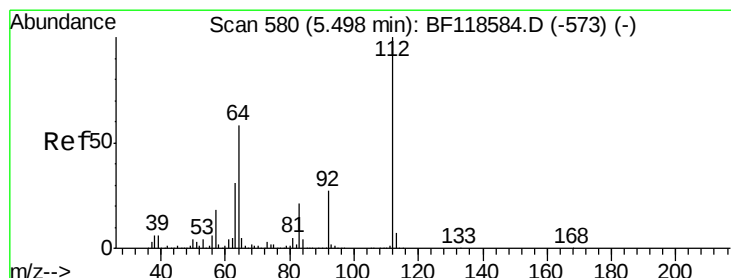
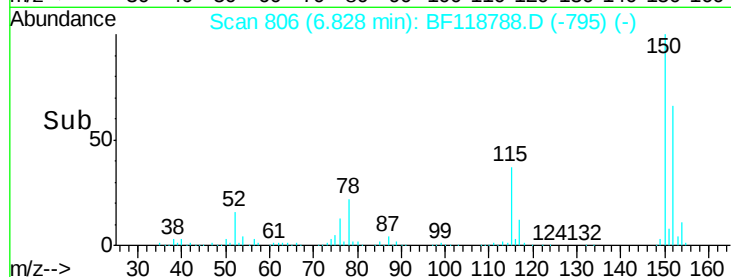
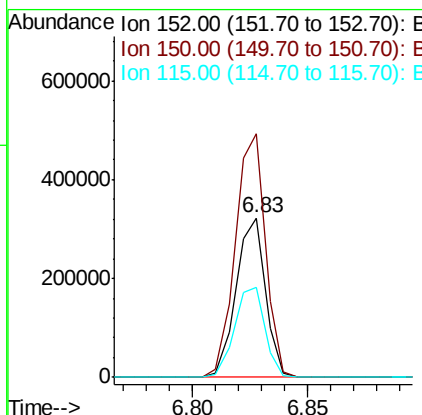
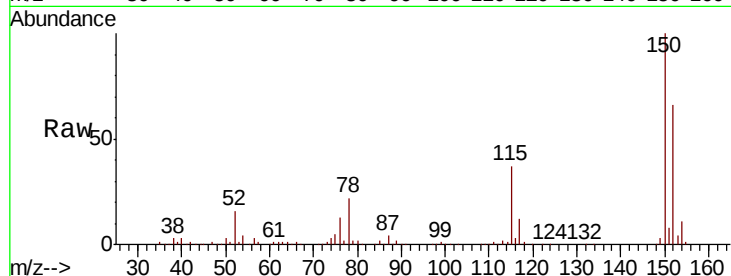


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.04 min
Lab File: BF118788.D
Acq: 31 Jan 2020 18:06

Instrument :
BNA_F
ClientSampleId :

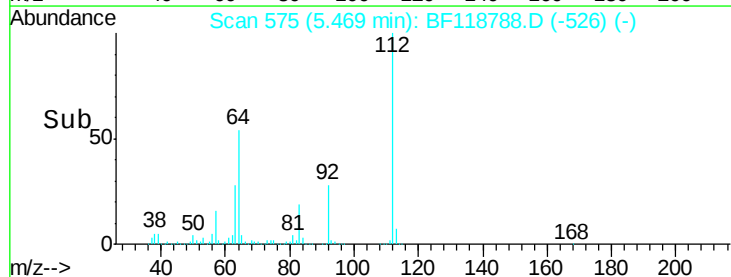
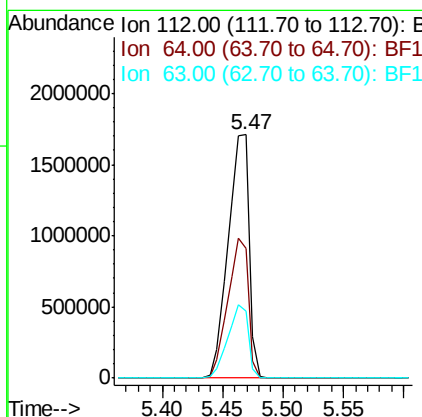
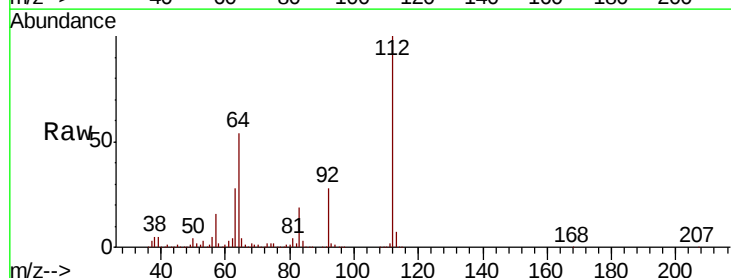
Tot Ion	Ratio	Lower	Upper
152	100		
150	152.4	123.7	185.5
115	56.0	45.1	67.7

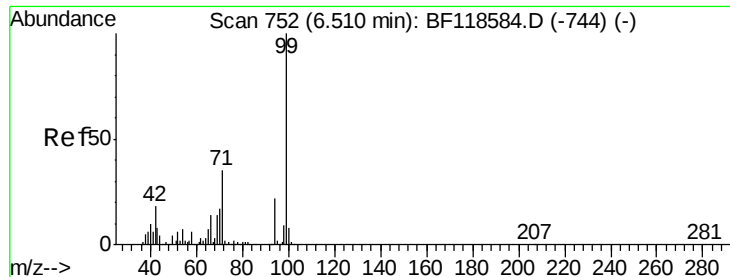


#5

2-Fluorophenol
Concen: 134.402 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF118788.D
Acq: 31 Jan 2020 18:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.5	42.4	63.6
63	27.7	21.7	32.5





#7

Phenol-d6

Concen: 120.415 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.03 min

Lab File: BF118788.D

Acq: 31 Jan 2020 18:06

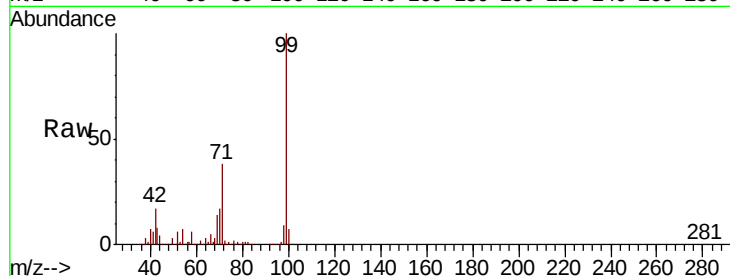
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 2422876

Ion	Ratio	Lower	Upper
99	100		
42	17.2	13.1	19.7
71	37.8	28.4	42.6

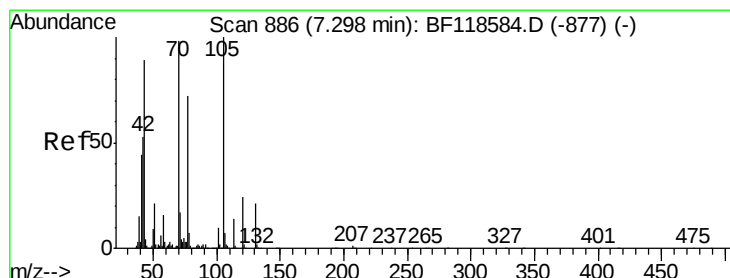
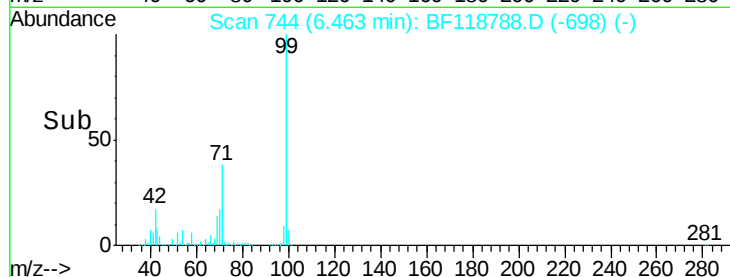


Abundance

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: 18.641 ng

RT: 7.39 min Scan# 901

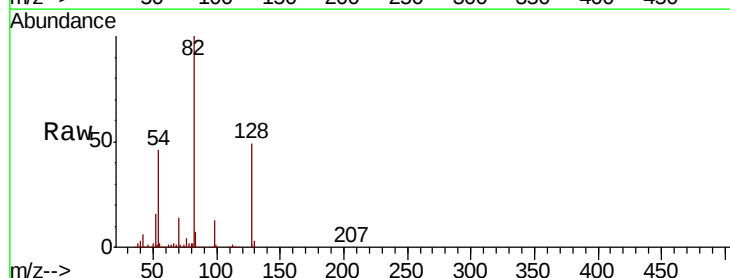
Delta R.T. 0.11 min

Lab File: BF118788.D

Acq: 31 Jan 2020 18:06

Tgt Ion: 70 Resp: 253265

Ion	Ratio	Lower	Upper
70	100		
42	41.8	41.6	62.4
101	0.0	7.9	11.9#
130	2.4	19.0	28.6#



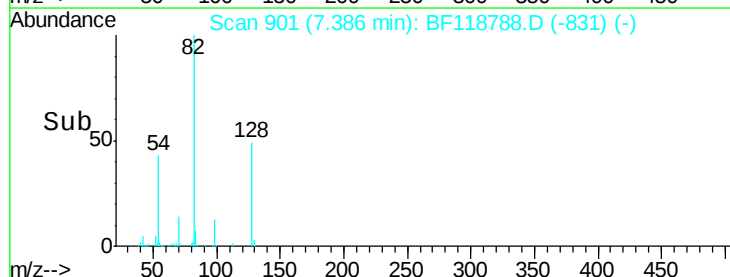
Abundance

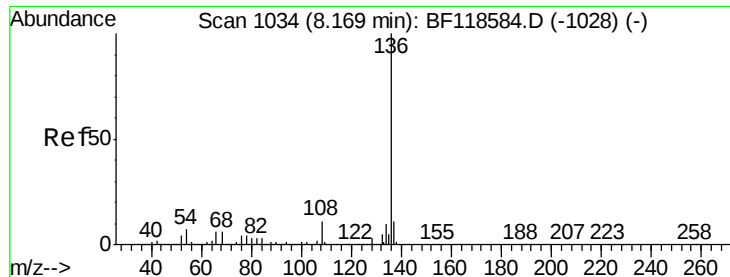
Ion 70.00 (69.70 to 70.70): BF1

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: 8.10 min Scan# 1023

Delta R.T. -0.04 min

Lab File: BF118788.D

Acq: 31 Jan 2020 18:06

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 1106663

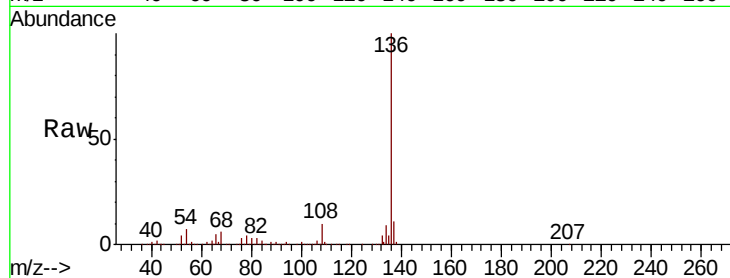
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 6.9 5.1 7.7

68 5.7 4.3 6.5

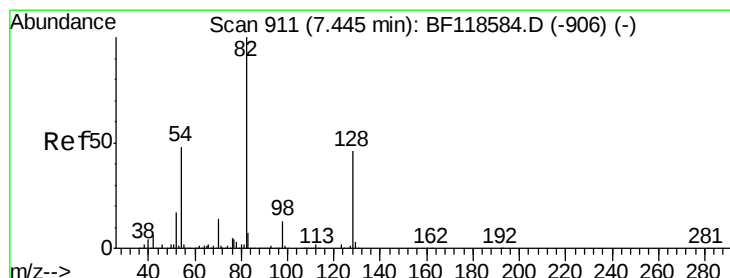
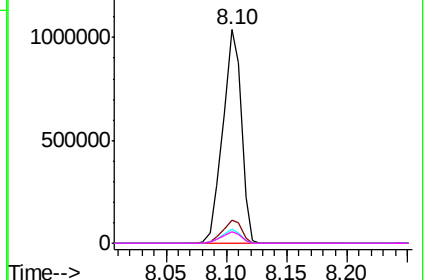
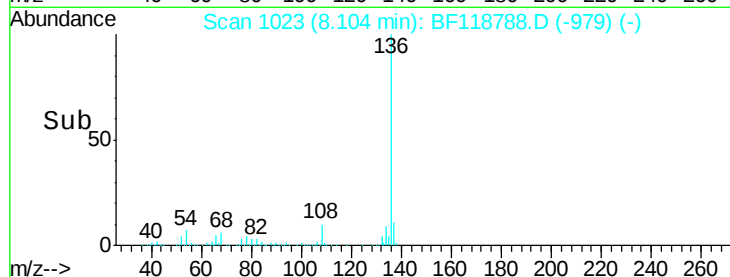


Abundance Ion 136.00 (135.70 to 136.70): E

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: 91.610 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.04 min

Lab File: BF118788.D

Acq: 31 Jan 2020 18:06

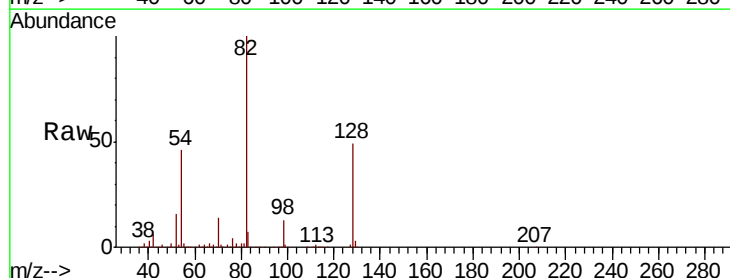
Tgt Ion: 82 Resp: 1812526

Ion Ratio Lower Upper

82 100

128 49.3 38.2 57.2

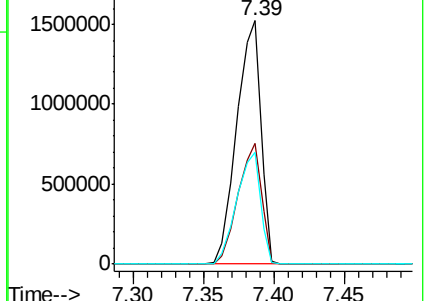
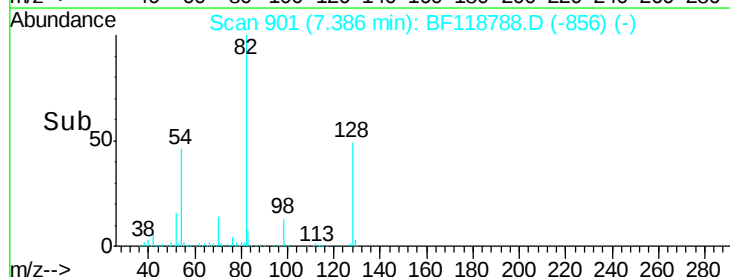
54 46.1 36.1 54.1



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: 50.010 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.29 min

Lab File: BF118788.D

Acq: 31 Jan 2020 18:06

Instrument :

BNA_F

ClientSampleId :

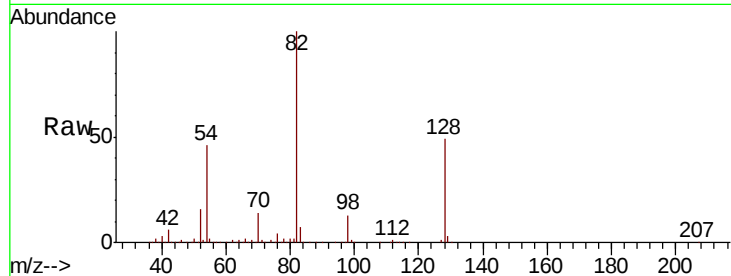
Tot Ion: 82 Resp: 1804714

Ion Ratio Lower Upper

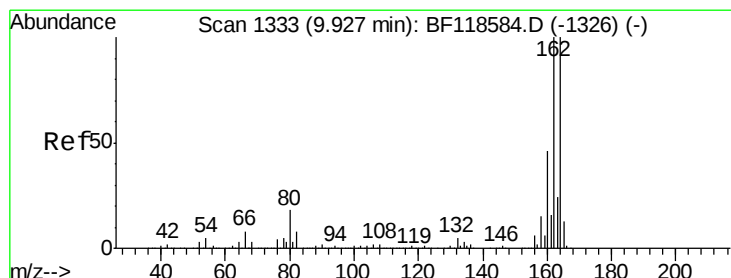
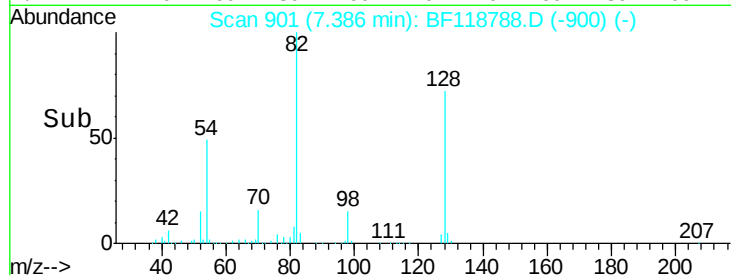
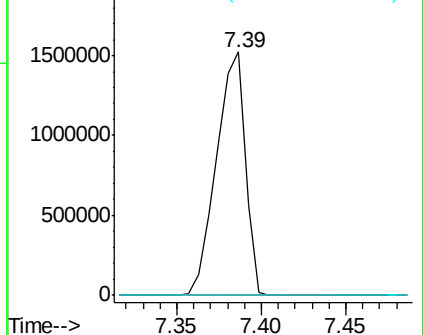
82 100

95 0.0 5.8 8.8#

138 0.0 15.8 23.8#



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: 9.86 min Scan# 1322

Delta R.T. -0.04 min

Lab File: BF118788.D

Acq: 31 Jan 2020 18:06

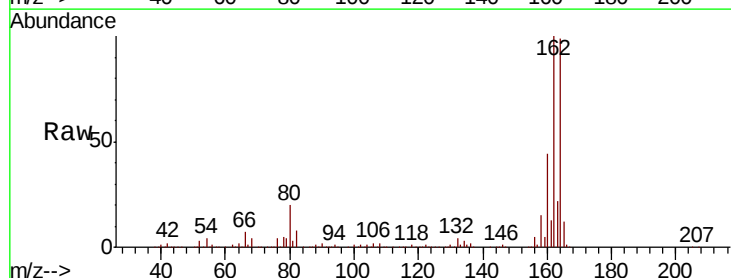
Tgt Ion:164 Resp: 610216

Ion Ratio Lower Upper

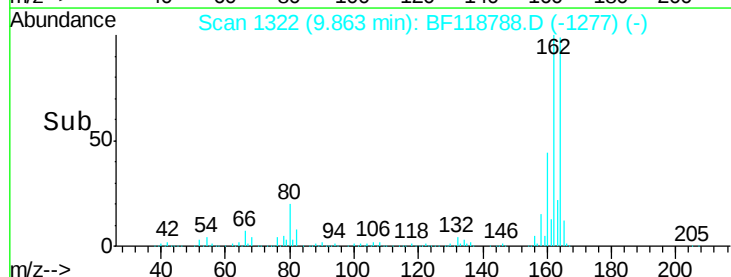
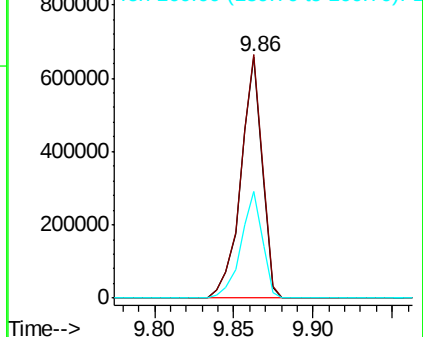
164 100

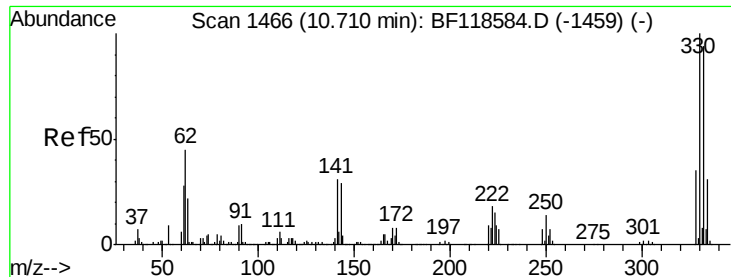
162 100.9 80.8 121.2

160 43.9 35.4 53.0



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

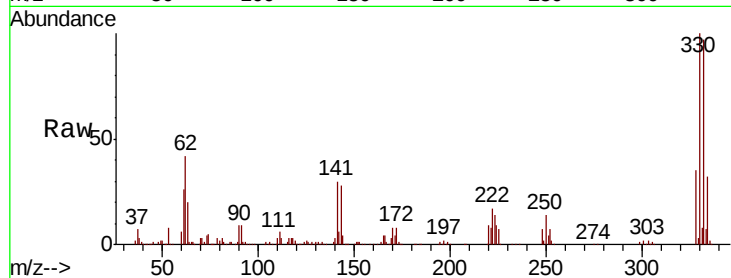




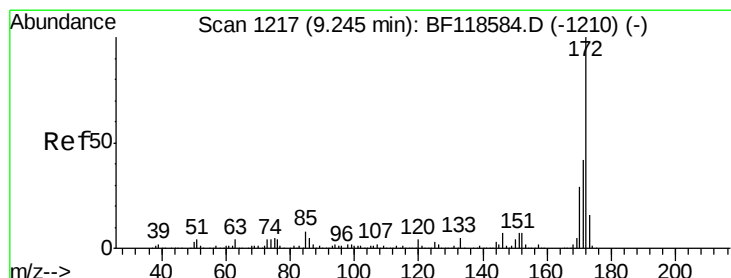
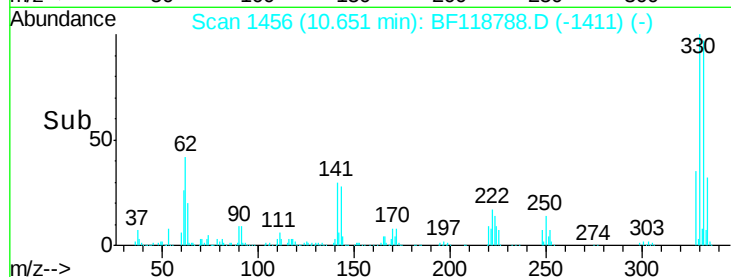
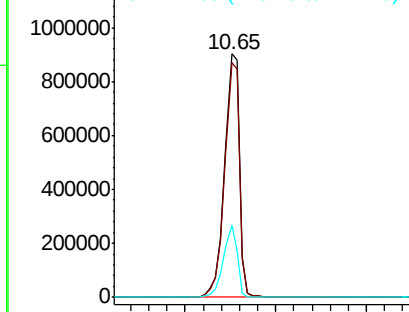
#42
 2,4,6-Tribromophenol
 Concen: 143.952 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. -0.04 min
 Lab File: BF118788.D
 Acq: 31 Jan 2020 18:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 1016002
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.6 116.4
 141 27.5 22.2 33.2

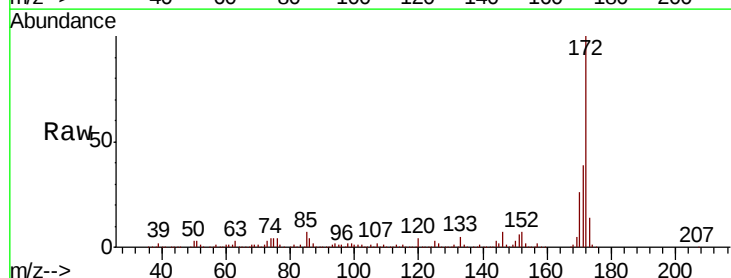


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

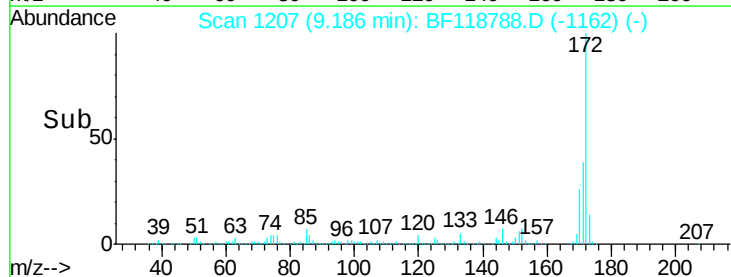
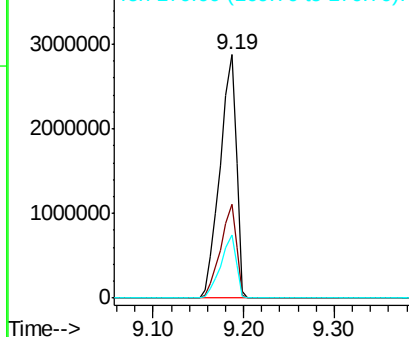


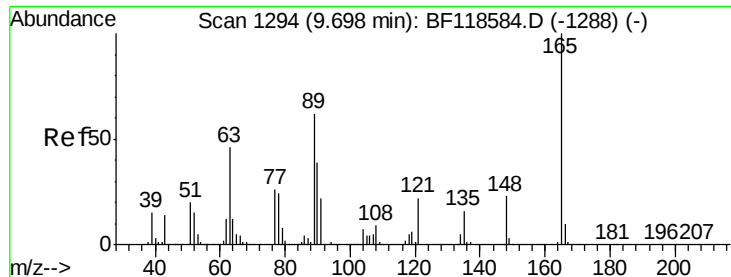
#45
 2-Fluorobiphenyl
 Concen: 96.319 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.04 min
 Lab File: BF118788.D
 Acq: 31 Jan 2020 18:06

Tgt Ion:172 Resp: 3575986
 Ion Ratio Lower Upper
 172 100
 171 38.5 31.0 46.4
 170 25.9 20.7 31.1



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: 8.879 ng

RT: 9.86 min Scan# 1322

Delta R.T. 0.19 min

Lab File: BF118788.D

Acq: 31 Jan 2020 18:06

Instrument :

BNA_F

ClientSampleId :

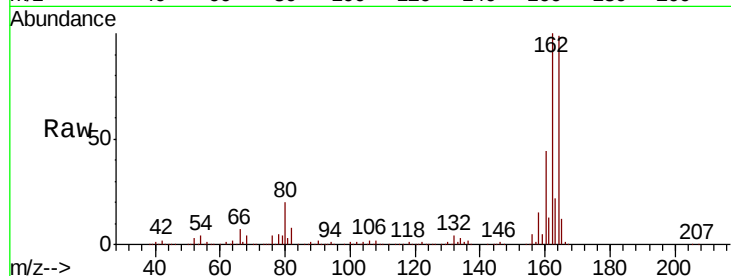
Tot Ion:165 Resp: 79042

Ion Ratio Lower Upper

165 100

63 1.4 39.8 59.6#

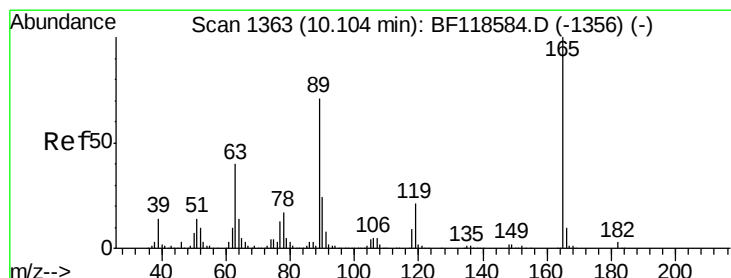
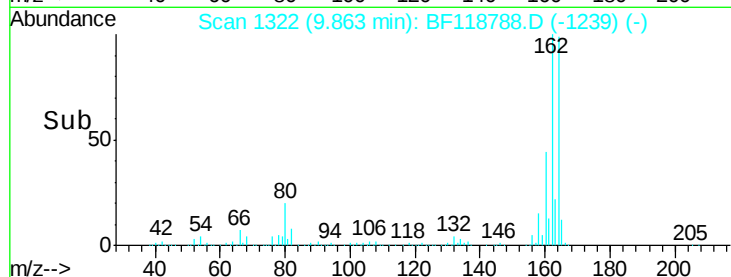
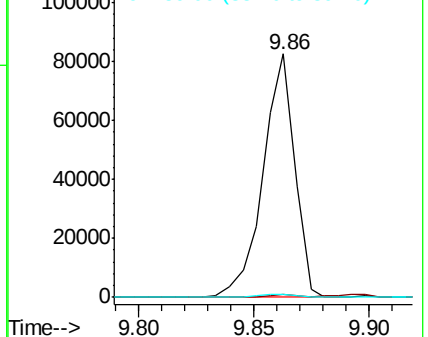
89 1.4 41.4 62.2#



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: 7.043 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.22 min

Lab File: BF118788.D

Acq: 31 Jan 2020 18:06

Tgt Ion:165 Resp: 79042

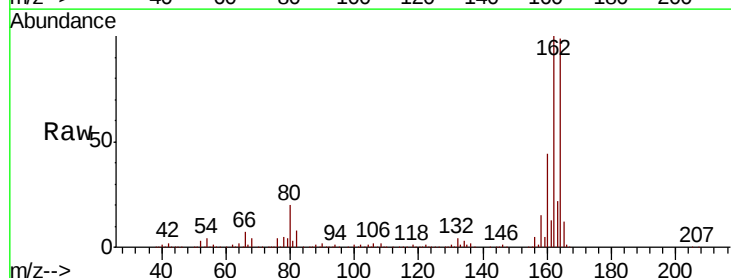
Ion Ratio Lower Upper

165 100

63 1.4 28.5 42.7#

89 1.4 50.4 75.6#

182 0.0 2.3 3.5#

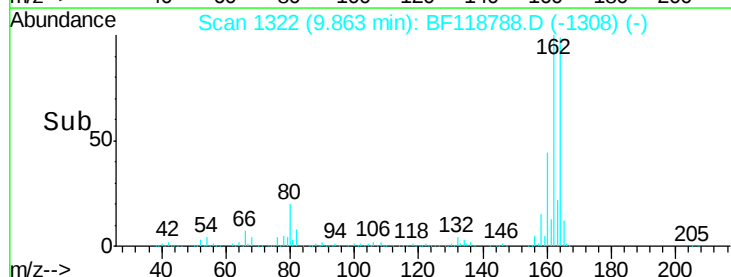
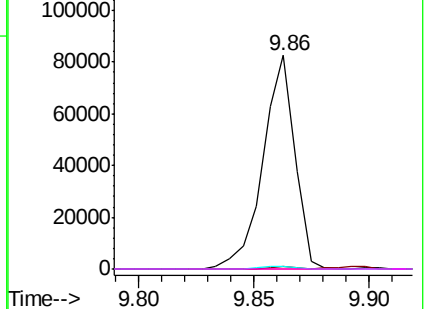


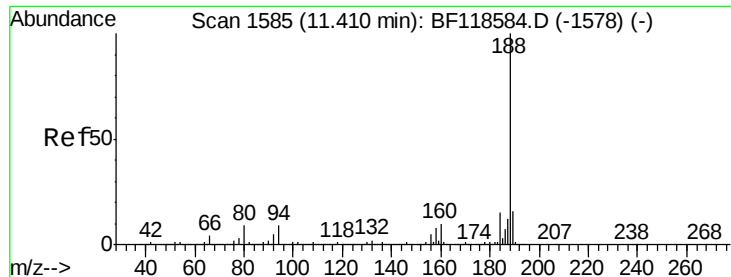
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.35 min Scan# 1574

Delta R.T. -0.04 min

Lab File: BF118788.D

Acq: 31 Jan 2020 18:06

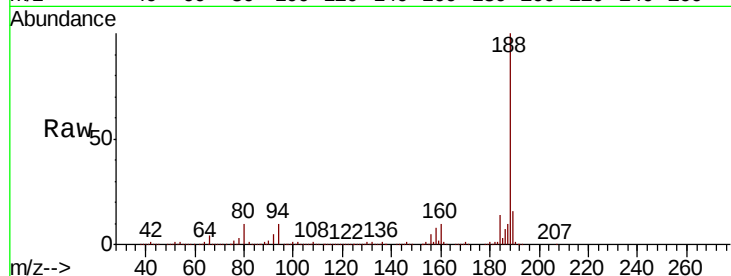
Instrument :

BNA_F

ClientSampleId :

Tot Ion:188 Resp: 1065201

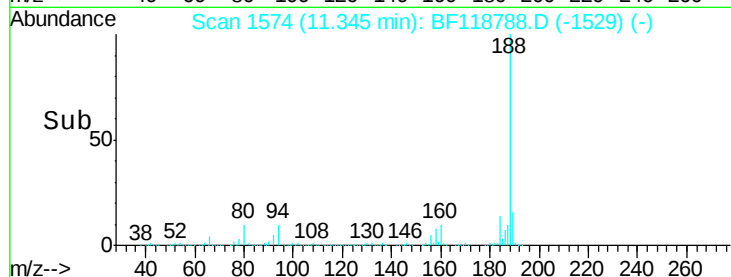
Ion	Ratio	Lower	Upper
188	100		
94	9.5	7.4	11.2
80	9.9	7.8	11.8



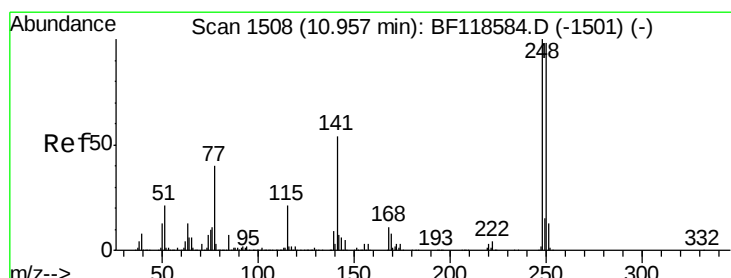
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



Time-->



#67

4-Bromophenyl-phenylether

Concen: 5.142 ng

RT: 10.65 min Scan# 1456

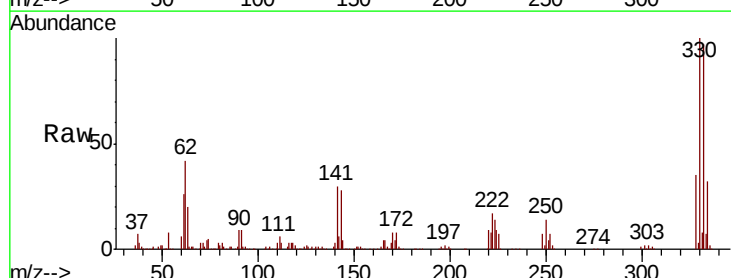
Delta R.T. -0.28 min

Lab File: BF118788.D

Acq: 31 Jan 2020 18:06

Tgt Ion:248 Resp: 67675

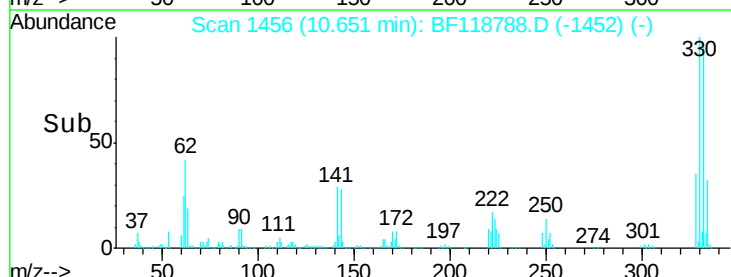
Ion	Ratio	Lower	Upper
248	100		
250	196.9	78.7	118.1#
141	419.8	48.4	72.6#



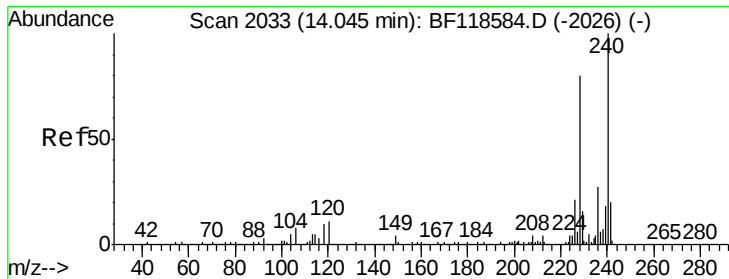
Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



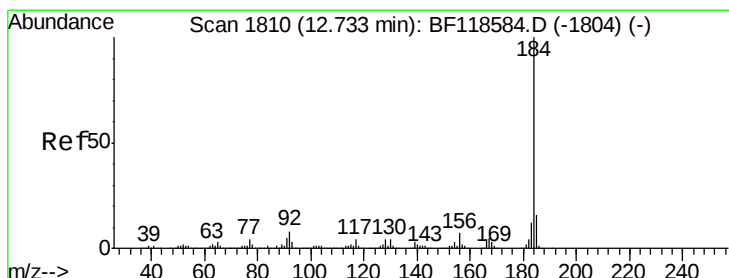
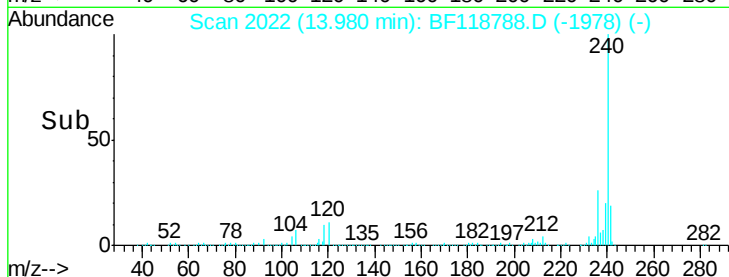
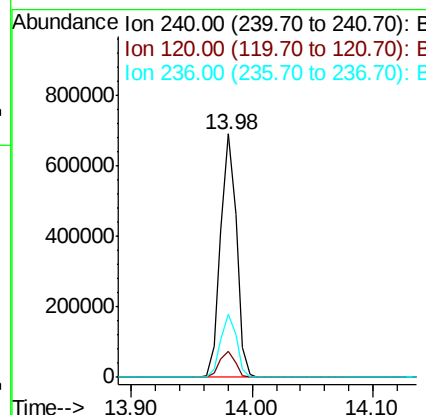
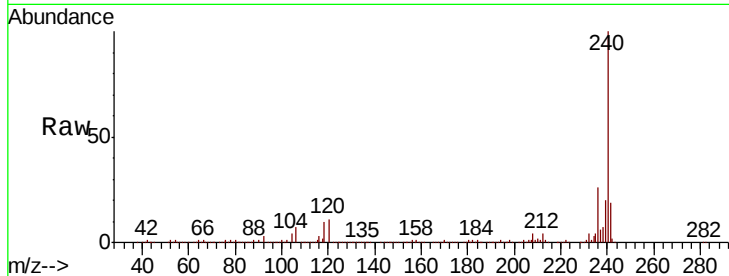
Time-->



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.04 min
 Lab File: BF118788.D
 Acq: 31 Jan 2020 18:06

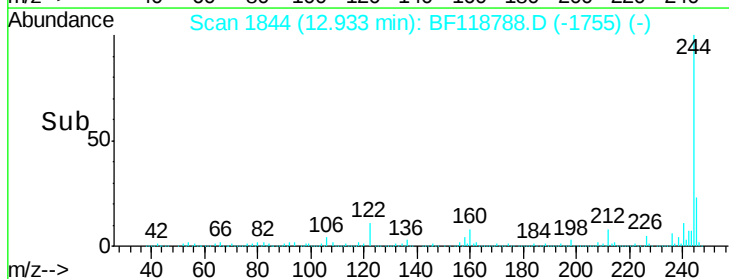
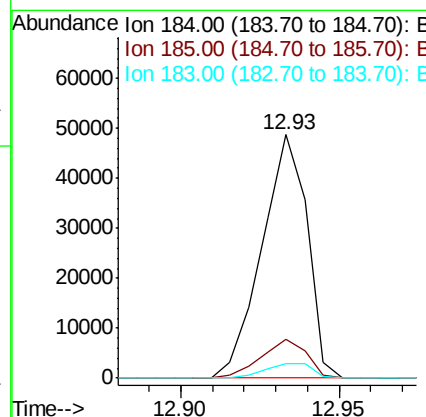
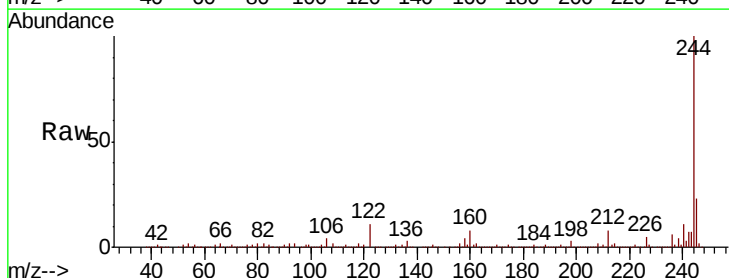
Instrument :
 BNA_F
 ClientSampleId :

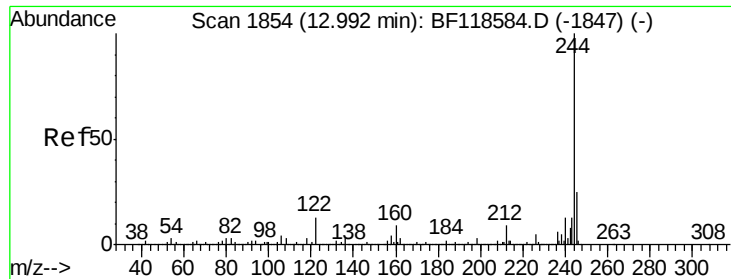
Tot Ion:240 Resp: 621643
 Ion Ratio Lower Upper
 240 100
 120 10.7 7.6 11.4
 236 26.0 21.0 31.4



#77
 Benzidine
 Concen: 2.916 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. 0.22 min
 Lab File: BF118788.D
 Acq: 31 Jan 2020 18:06

Tgt Ion:184 Resp: 48434
 Ion Ratio Lower Upper
 184 100
 185 15.8 11.8 17.8
 183 6.2 9.7 14.5#





#79

Terphenyl-d14

Concen: 129.157 ng

RT: 12.93 min Scan# 1844

Delta R.T. -0.03 min

Lab File: BF118788.D

Acq: 31 Jan 2020 18:06

Instrument :

BNA_F

ClientSampleId :

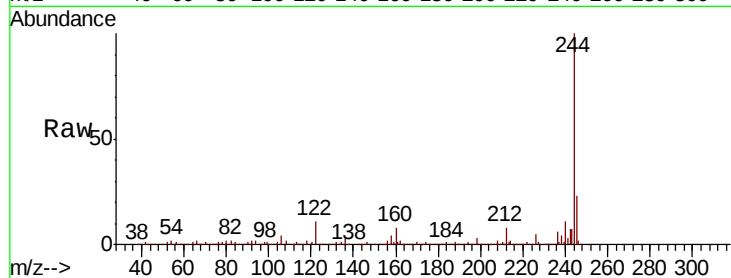
Tot Ion:244 Resp: 3681170

Ion Ratio Lower Upper

244 100

212 8.1 6.3 9.5

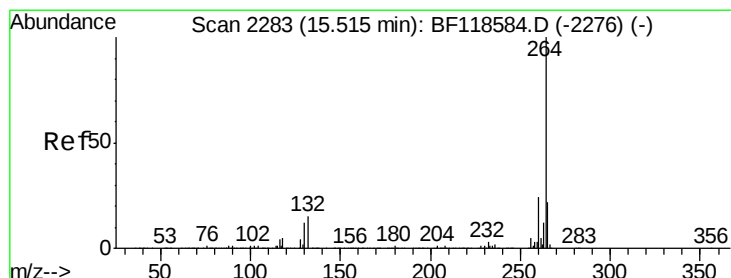
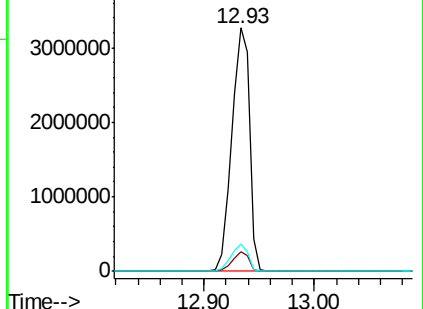
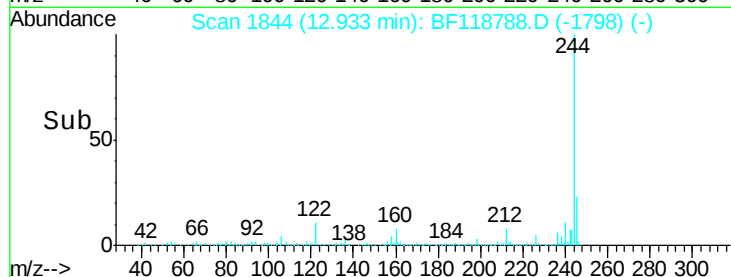
122 11.4 9.2 13.8



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: 15.43 min Scan# 2269

Delta R.T. -0.05 min

Lab File: BF118788.D

Acq: 31 Jan 2020 18:06

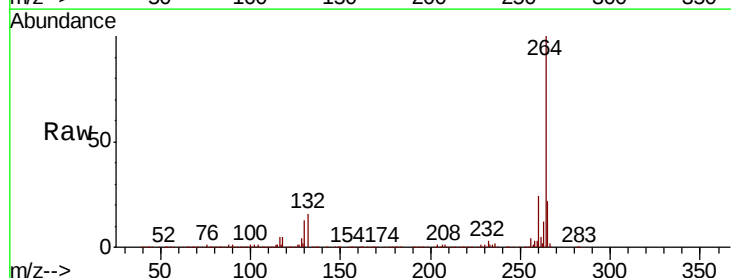
Tgt Ion:264 Resp: 670961

Ion Ratio Lower Upper

264 100

260 23.6 18.6 28.0

265 21.7 17.0 25.6



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

