

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011320\
 Data File : BF118548.D
 Acq On : 13 Jan 2020 23:26
 Operator : JU
 Sample : L1107-01 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 14 10:29:48 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	6.82	152	117065	20.00	ng	-0.02
21) Naphthalene-d8	8.10	136	480095	20.00	ng	-0.02
39) Acenaphthene-d10	9.86	164	234889	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	385534	20.00	ng	-0.02
76) Chrysene-d12	14.01	240	345318	20.00	ng	-0.03
87) Perylene-d12	15.49	264	265167	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	320354	45.17	ng	-0.01
7) Phenol-d6	6.46	99	407137	48.02	ng	-0.02
23) Nitrobenzene-d5	7.38	82	230460	25.22	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	112524	40.60	ng	-0.02
45) 2-Fluorobiphenyl	9.17	172	473392	28.90	ng	-0.03
79) Terphenyl-d14	12.94	244	499871	22.94	ng	-0.03

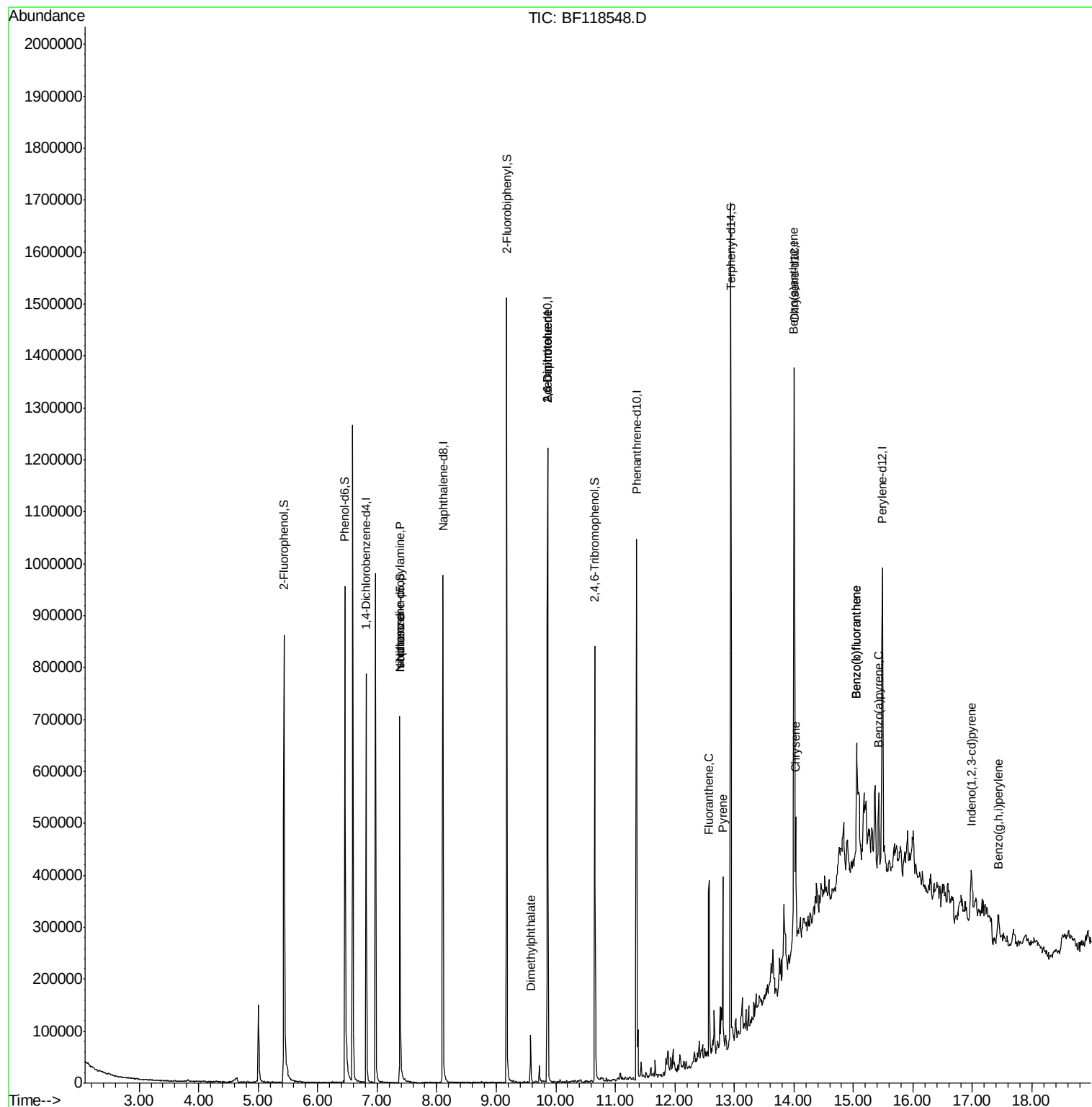
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.38	70	28429	5.206	ng	# 73
25) Isophorone	7.38	82	230458	15.740	ng	# 63
50) Dimethylphthalate	9.57	163	37662	2.089	ng	98
51) 2,6-Dinitrotoluene	9.86	165	30430	7.838	ng	# 23
57) 2,4-Dinitrotoluene	9.86	165	30430	5.854	ng	# 20
75) Fluoranthene	12.57	202	138780	6.322	ng	98
77) Benzydine	12.79	184	261	Below Cal		# 66
78) Pyrene	12.80	202	126487	4.452	ng	100
81) Benzo(a)anthracene	14.00	228	99122	4.101	ng	92
83) Chrysene	14.03	228	99293	4.227	ng	97
86) Indeno(1,2,3-cd)pyrene	16.98	276	46404	2.454	ng	99
88) Benzo(b)fluoranthene	15.06	252	163967	8.553	ng	# 91
89) Benzo(k)fluoranthene	15.06	252	163967	8.960	ng	# 90
90) Benzo(a)pyrene	15.43	252	70966	4.517	ng	94
92) Benzo(a,h,i)perylene	17.44	276	40820	2.924	ng	# 95

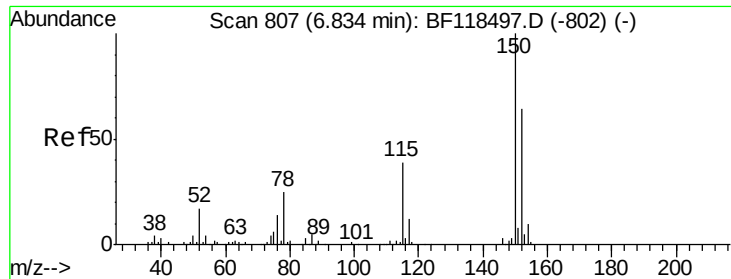
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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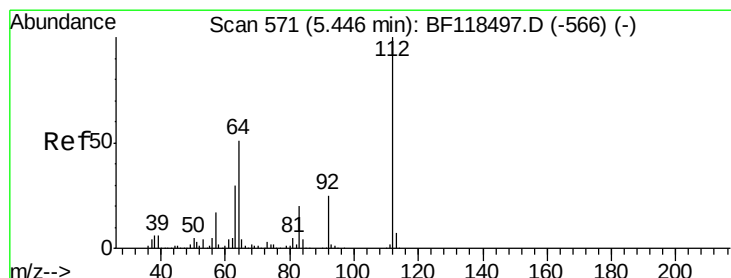
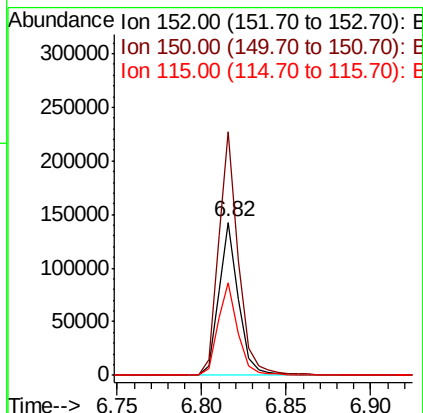
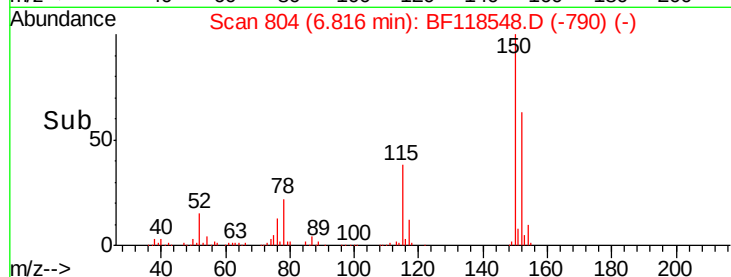
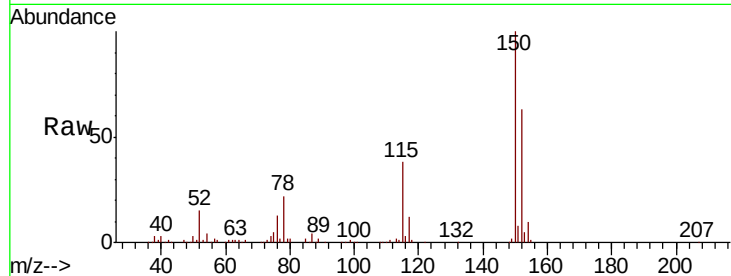


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.02 min
Lab File: BF118548.D
Acq: 13 Jan 2020 23:26

Instrument :
BNA_F
ClientSampleId :

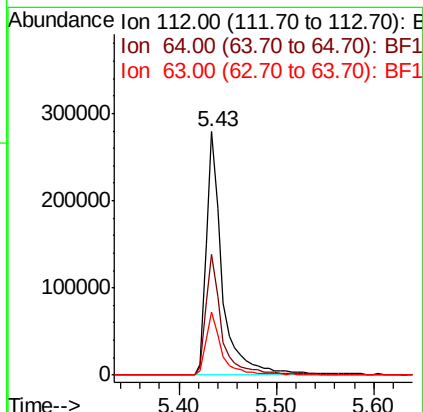
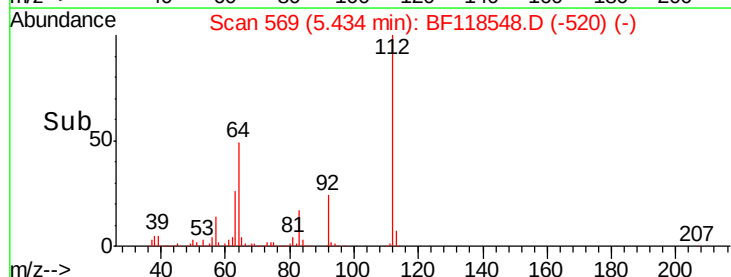
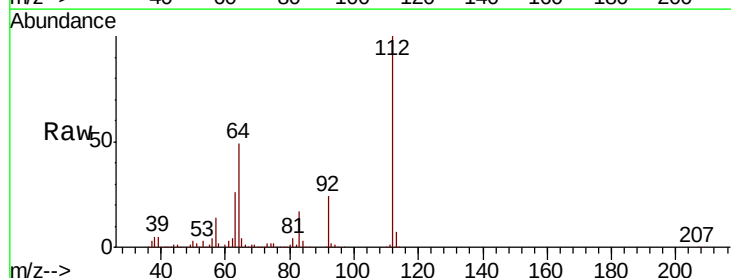
Tot Ion:152 Resp: 117065
Ion Ratio Lower Upper
152 100
150 158.7 124.7 187.1
115 60.0 49.0 73.6

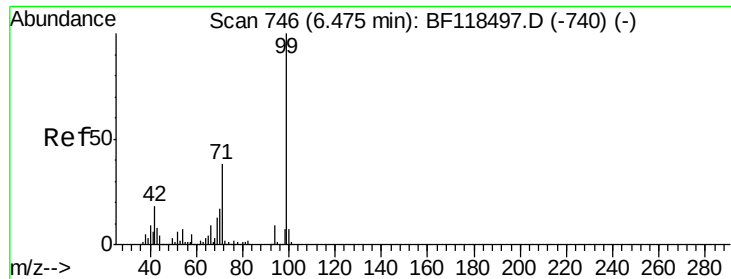


#5

2-Fluorophenol
Concen: 45.174 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BF118548.D
Acq: 13 Jan 2020 23:26

Tgt Ion:112 Resp: 320354
Ion Ratio Lower Upper
112 100
64 49.4 41.1 61.7
63 25.9 24.1 36.1





#7

Phenol-d6

Concen: 48.020 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.02 min

Lab File: BF118548.D

Acq: 13 Jan 2020 23:26

Instrument :

BNA_F

ClientSampled :

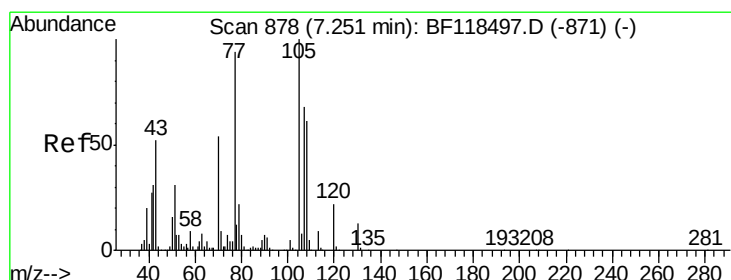
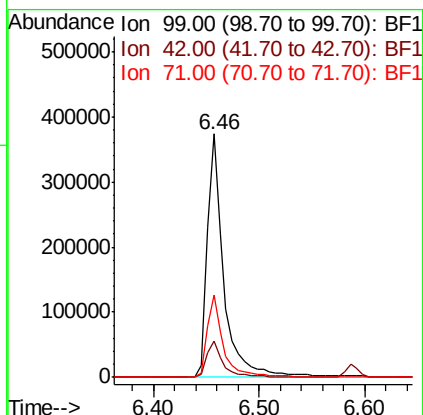
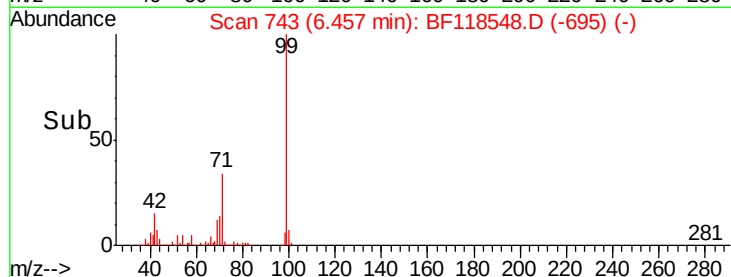
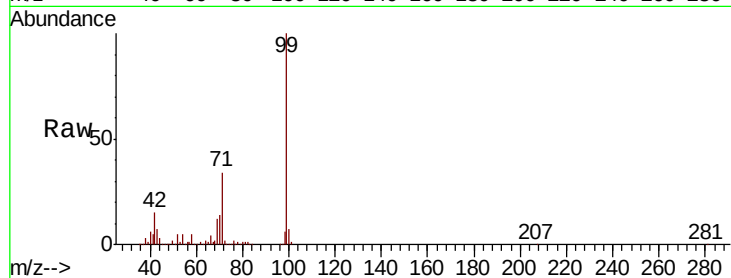
Tot Ion: 99 Resp: 407137

Ion Ratio Lower Upper

99 100

42 14.9 14.5 21.7

71 33.8 30.6 45.8



#19

n-Nitroso-di-n-propylamine

Concen: 5.206 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.13 min

Lab File: BF118548.D

Acq: 13 Jan 2020 23:26

Tgt Ion: 70 Resp: 28429

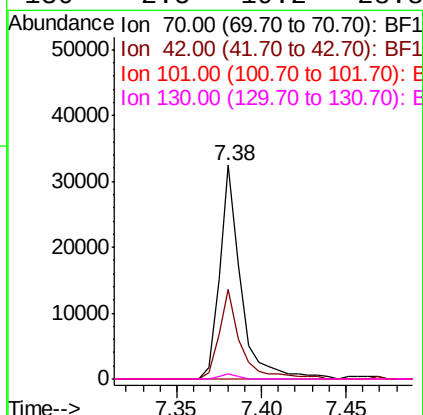
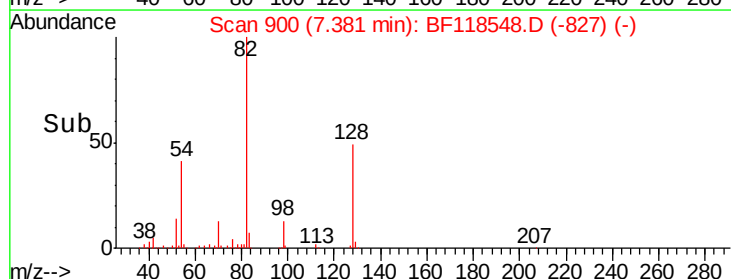
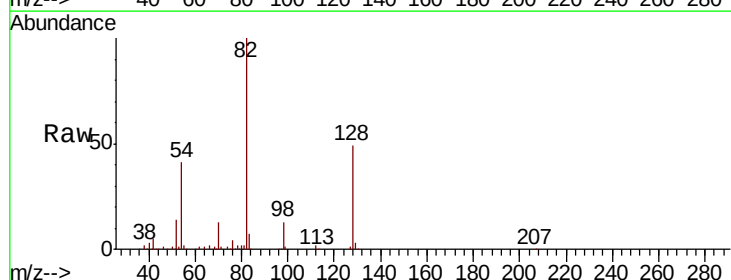
Ion Ratio Lower Upper

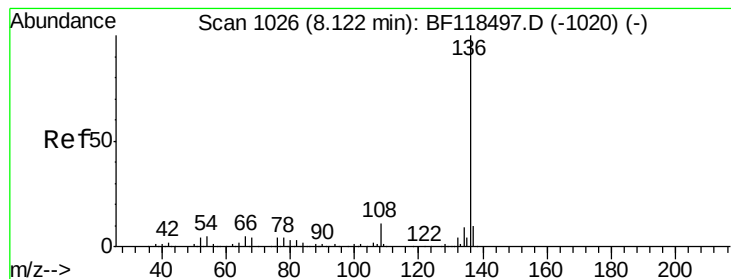
70 100

42 42.0 45.6 68.4#

101 0.0 8.2 12.2#

130 2.5 19.2 28.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1023

Delta R.T. -0.02 min

Lab File: BF118548.D

Acq: 13 Jan 2020 23:26

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 480095

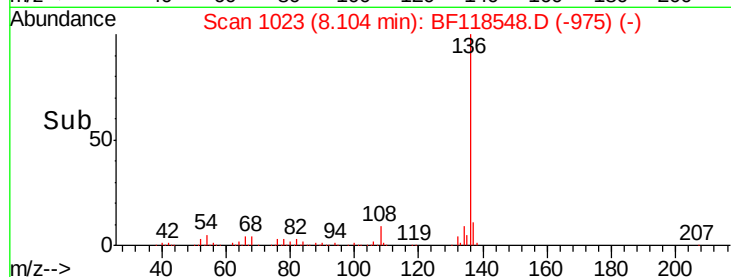
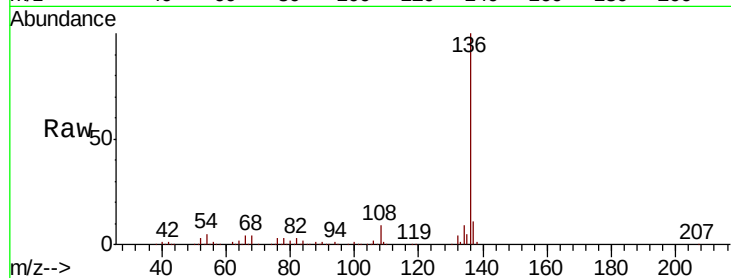
Ion Ratio Lower Upper

136 100

137 11.0 8.3 12.5

54 4.6 4.2 6.2

68 4.5 3.3 4.9

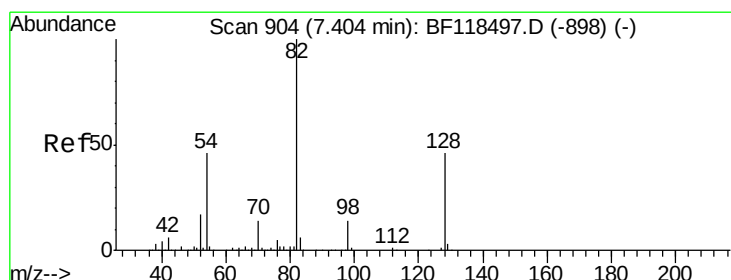
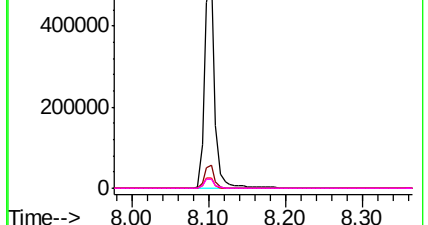


Abundance Ion 136.00 (135.70 to 136.70): E

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: 25.217 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.02 min

Lab File: BF118548.D

Acq: 13 Jan 2020 23:26

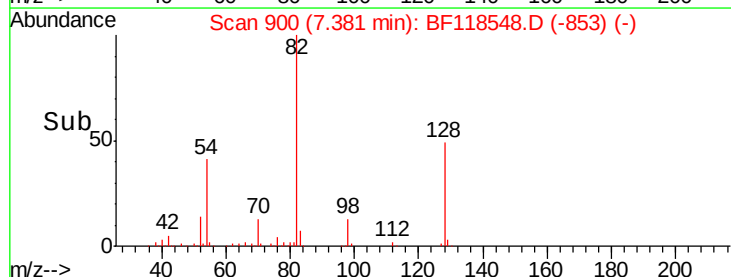
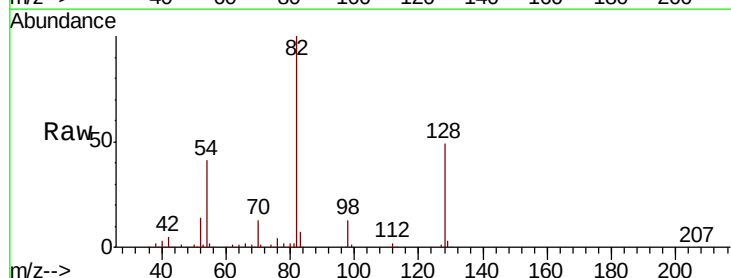
Tgt Ion: 82 Resp: 230460

Ion Ratio Lower Upper

82 100

128 49.3 36.6 54.8

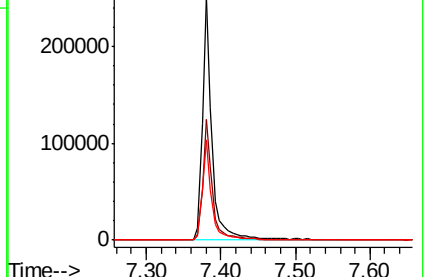
54 41.0 37.0 55.6

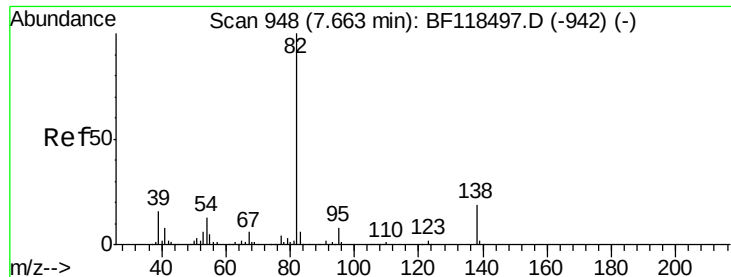


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 15.740 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.28 min

Lab File: BF118548.D

Acq: 13 Jan 2020 23:26

Instrument :

BNA_F

ClientSampleId :

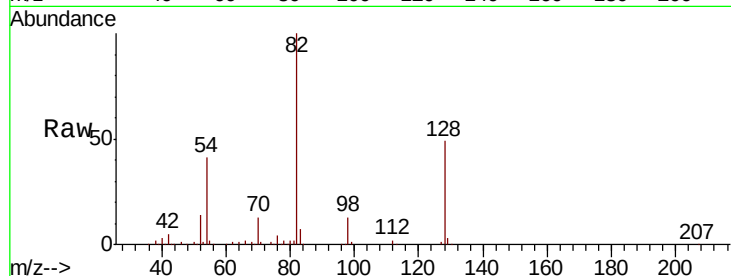
Tot Ion: 82 Resp: 230458

Ion Ratio Lower Upper

82 100

95 0.0 6.6 9.8#

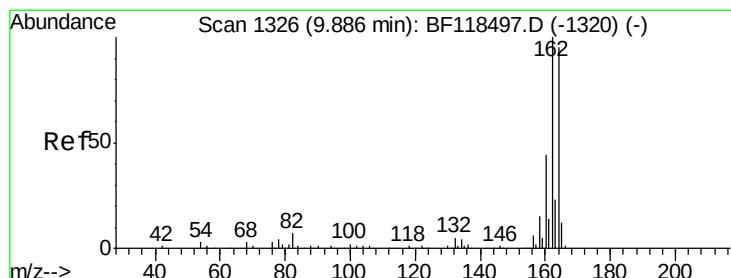
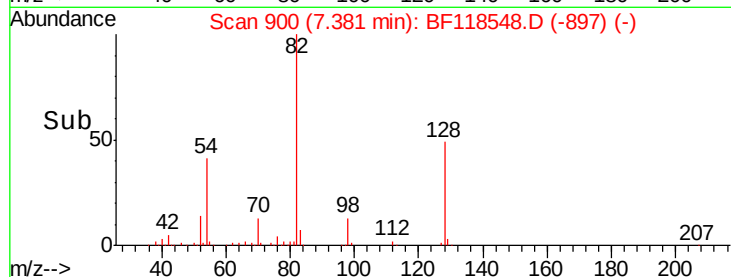
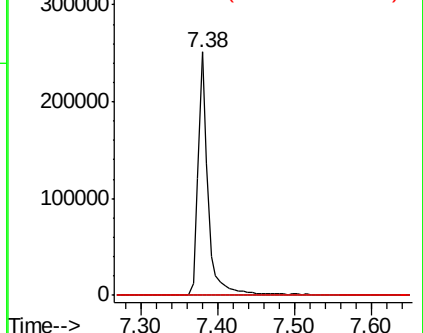
138 0.0 15.4 23.2#



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: 9.86 min Scan# 1322

Delta R.T. -0.02 min

Lab File: BF118548.D

Acq: 13 Jan 2020 23:26

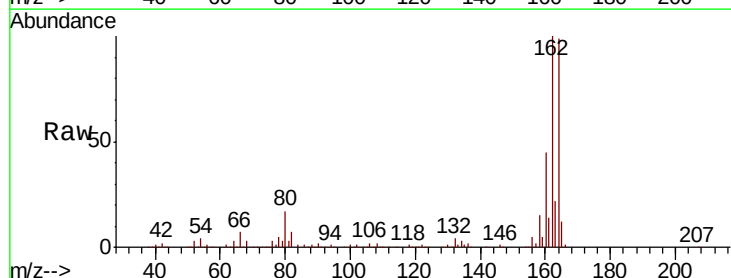
Tgt Ion:164 Resp: 234889

Ion Ratio Lower Upper

164 100

162 100.6 84.2 126.4

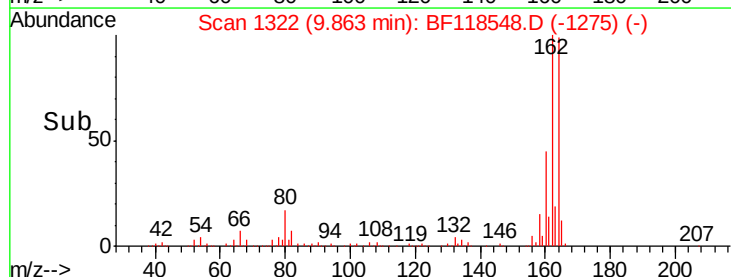
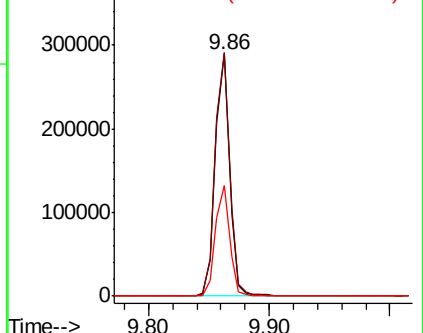
160 45.8 36.8 55.2

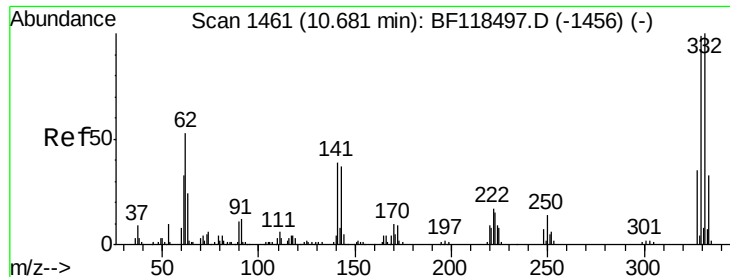


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

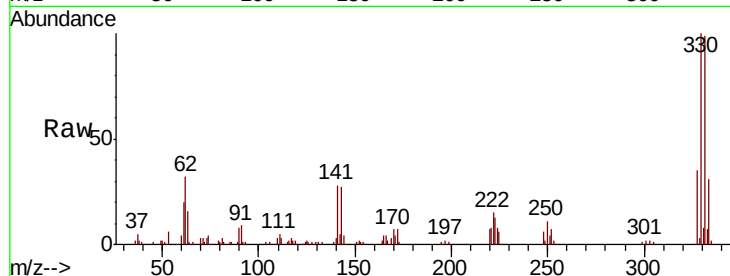




#42
 2,4,6-Tribromophenol
 Concen: 40.598 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.02 min
 Lab File: BF118548.D
 Acq: 13 Jan 2020 23:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.9	77.9	116.9
141	30.4	28.6	43.0

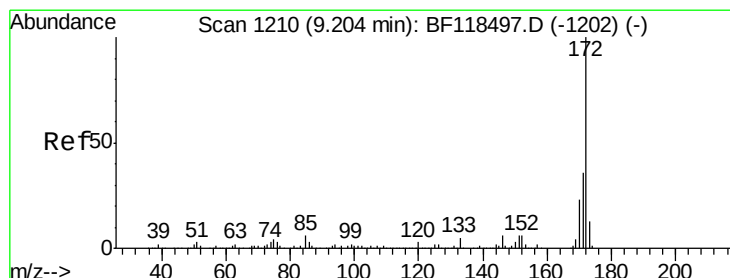
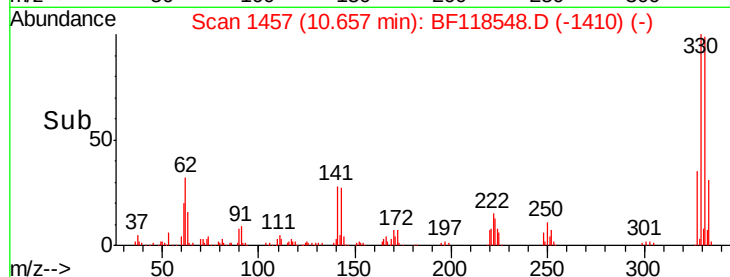
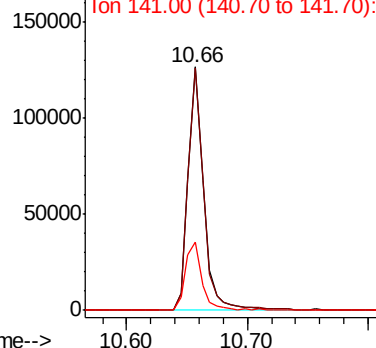


Abundance

Ion 329.80 (329.50 to 330.50): E

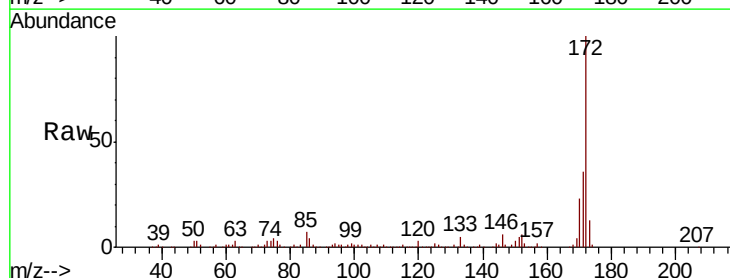
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 28.905 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.03 min
 Lab File: BF118548.D
 Acq: 13 Jan 2020 23:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.6	42.8
170	23.5	18.6	27.8

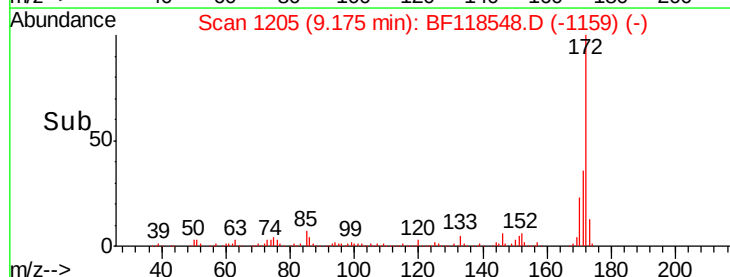
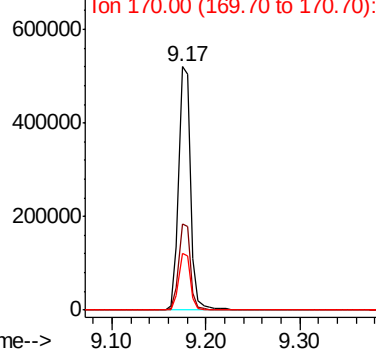


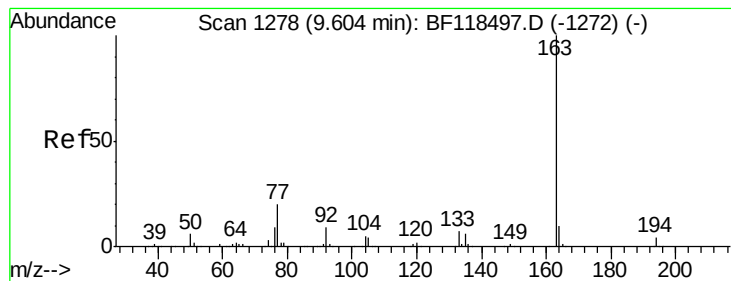
Abundance

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





#50

Dimethylphthalate

Concen: 2.089 ng

RT: 9.57 min Scan# 1273

Delta R.T. -0.03 min

Lab File: BF118548.D

Acq: 13 Jan 2020 23:26

Instrument :

BNA_F

ClientSampled :

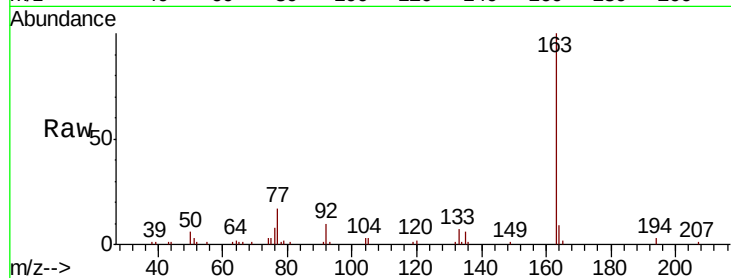
Tot Ion:163 Resp: 37662

Ion Ratio Lower Upper

163 100

194 3.3 3.0 4.6

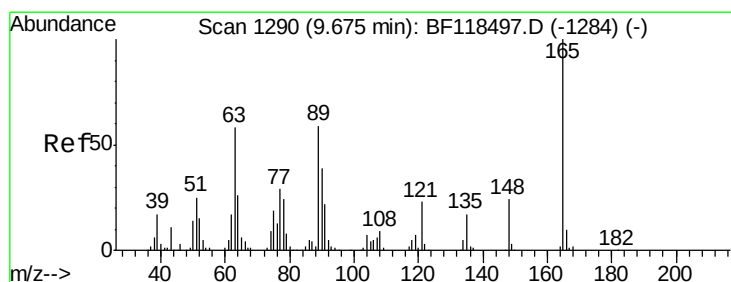
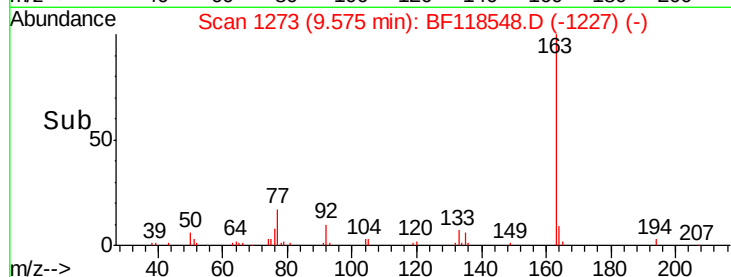
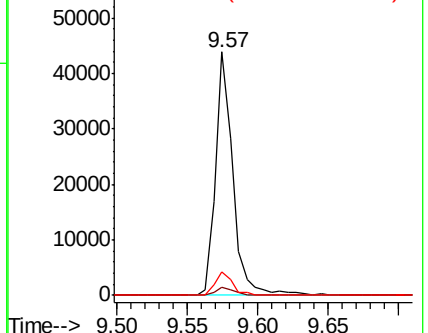
164 9.5 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 7.838 ng

RT: 9.86 min Scan# 1322

Delta R.T. 0.19 min

Lab File: BF118548.D

Acq: 13 Jan 2020 23:26

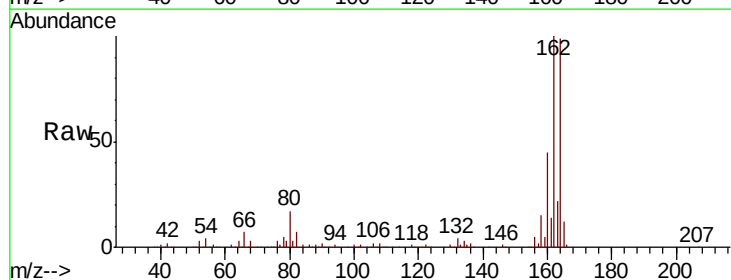
Tgt Ion:165 Resp: 30430

Ion Ratio Lower Upper

165 100

63 1.4 46.6 70.0#

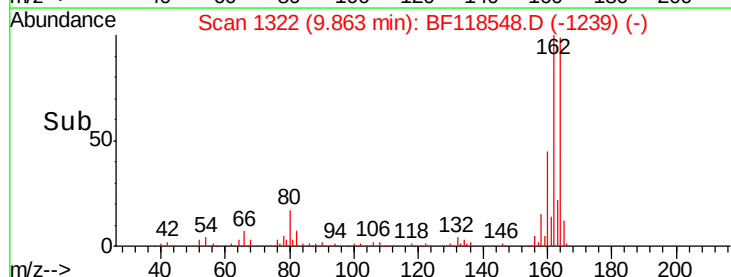
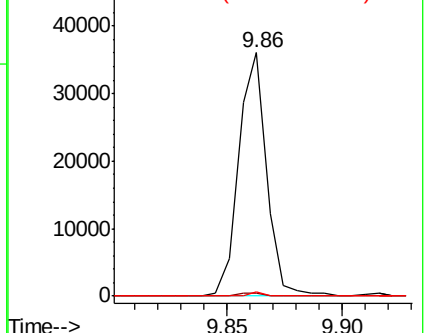
89 1.6 47.5 71.3#

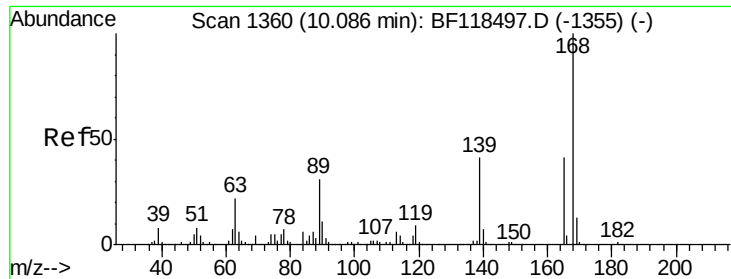


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#57

2,4-Dinitrotoluene

Concen: 5.854 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.22 min

Lab File: BF118548.D

Acq: 13 Jan 2020 23:26

Instrument :

BNA_F

ClientSampled :

Tot Ion:165 Resp: 30430

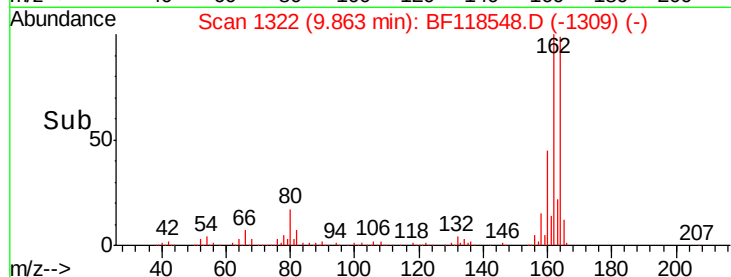
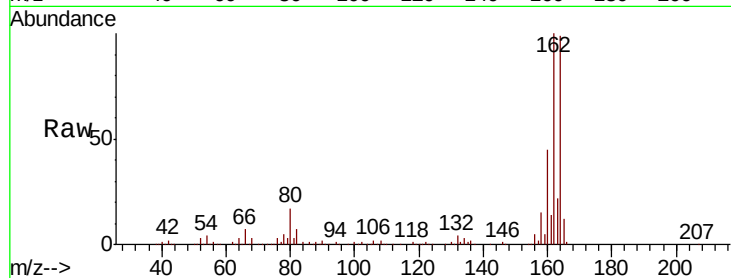
Ion Ratio Lower Upper

165 100

63 1.4 44.1 66.1#

89 1.6 60.4 90.6#

182 0.0 2.0 3.0#

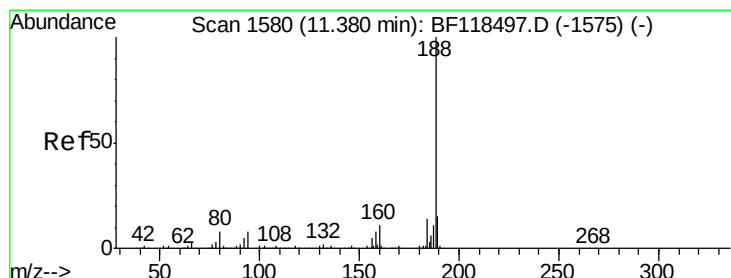
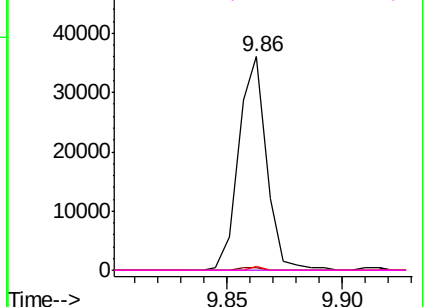


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.36 min Scan# 1576

Delta R.T. -0.02 min

Lab File: BF118548.D

Acq: 13 Jan 2020 23:26

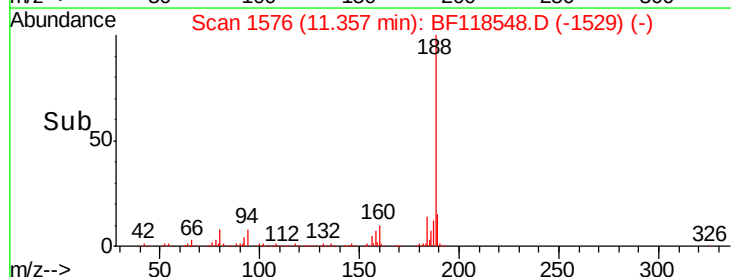
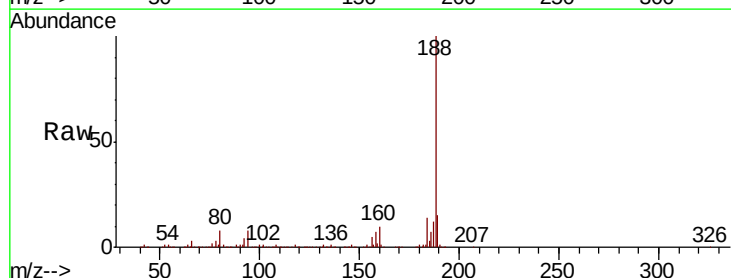
Tgt Ion:188 Resp: 385534

Ion Ratio Lower Upper

188 100

94 7.9 6.2 9.4

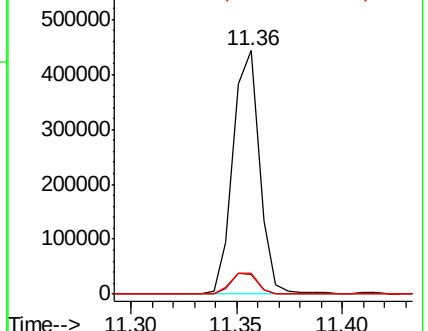
80 8.5 6.6 10.0

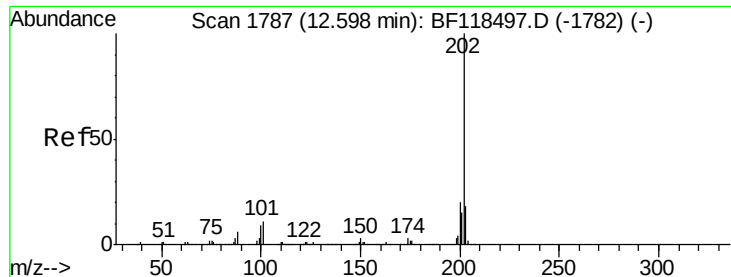


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#75

Fluoranthene

Concen: 6.322 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.02 min

Lab File: BF118548.D

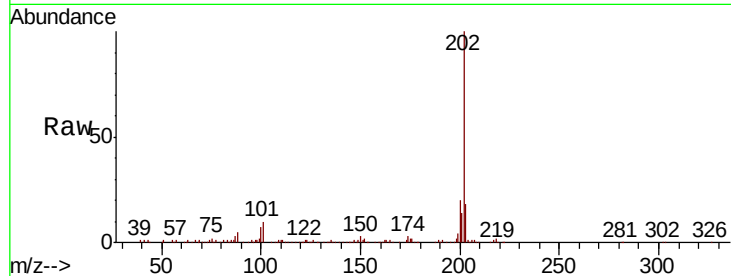
Acq: 13 Jan 2020 23:26

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	202	Resp:	138780
Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	31.4
203	17.6	0.0	38.1

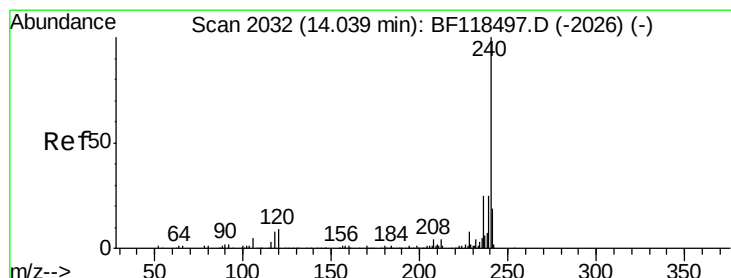
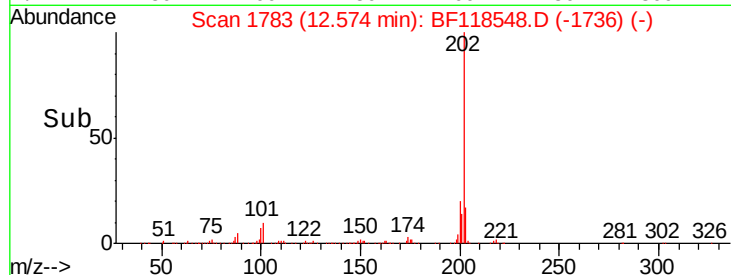
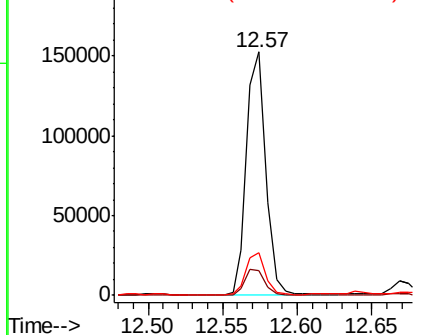


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

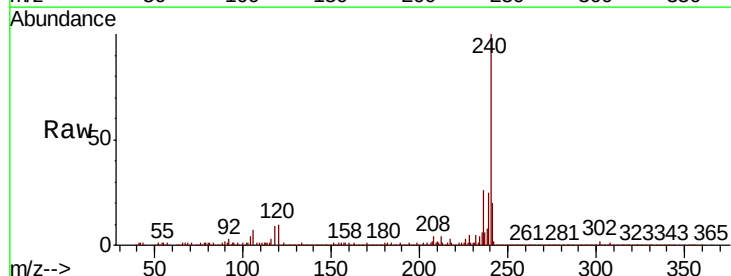
RT: 14.01 min Scan# 2027

Delta R.T. -0.03 min

Lab File: BF118548.D

Acq: 13 Jan 2020 23:26

Tgt Ion:	240	Resp:	345318
Ion	Ratio	Lower	Upper
240	100		
120	10.4	7.0	10.6
236	26.0	20.1	30.1

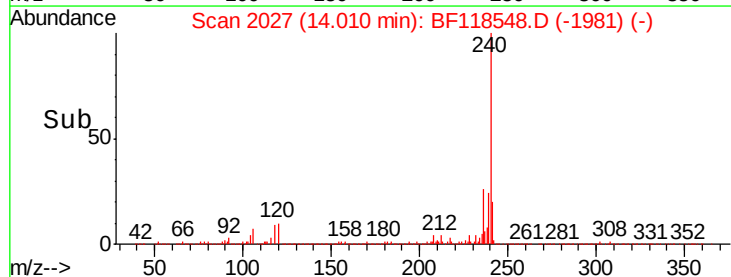
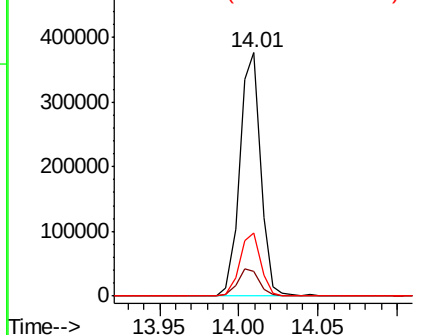


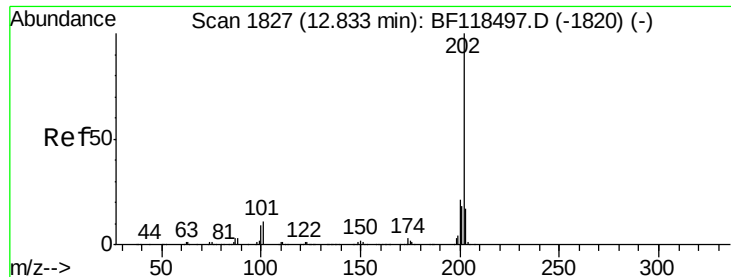
Abundance

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





#78

Pvrene

Concen: 4.452 ng

RT: 12.80 min Scan# 1822

Delta R.T. -0.03 min

Lab File: BF118548.D

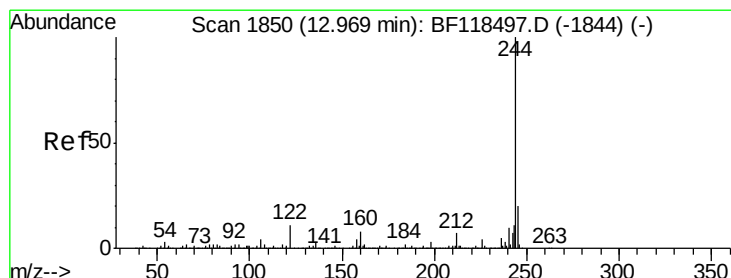
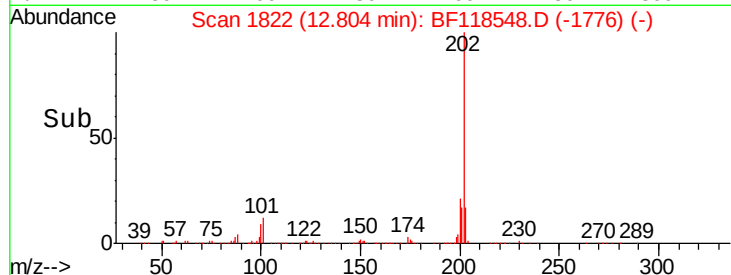
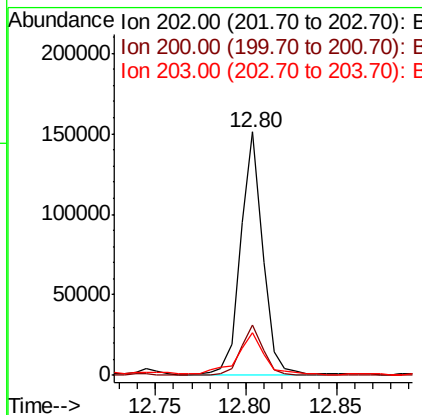
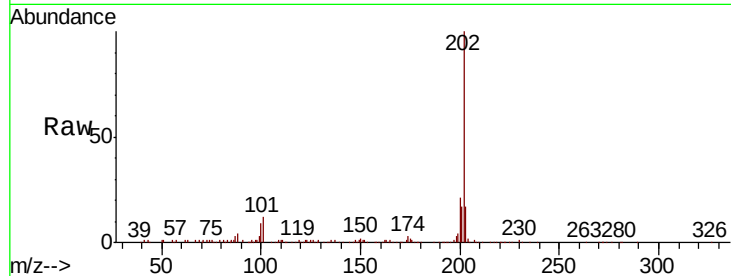
Acq: 13 Jan 2020 23:26

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	202	Resp:	126487
Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.9	25.3
203	17.3	13.9	20.9



#79

Terphenyl-d14

Concen: 22.939 ng

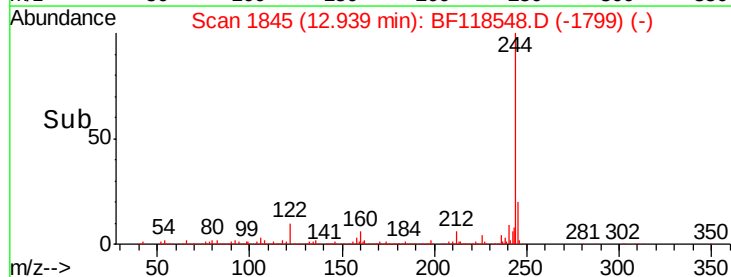
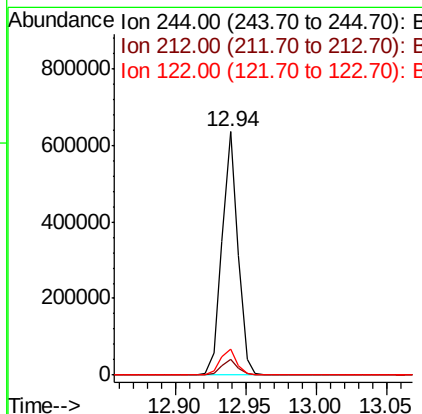
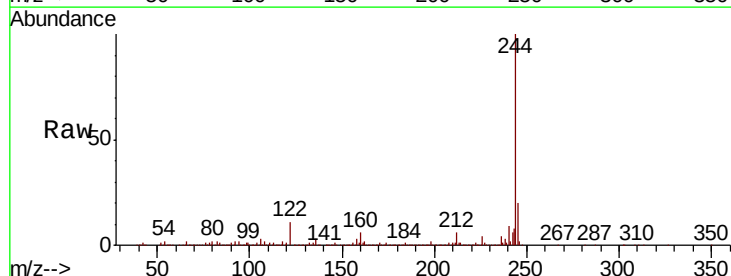
RT: 12.94 min Scan# 1845

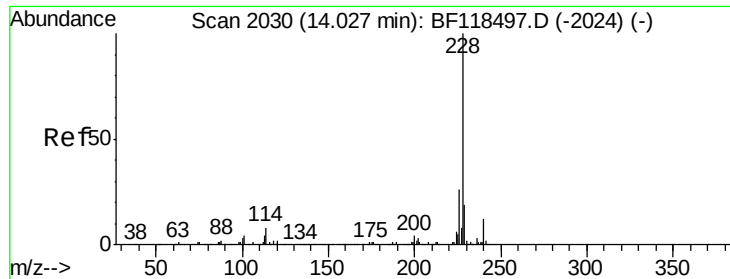
Delta R.T. -0.03 min

Lab File: BF118548.D

Acq: 13 Jan 2020 23:26

Tgt Ion:	244	Resp:	499871
Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.6	8.4
122	10.6	9.0	13.6

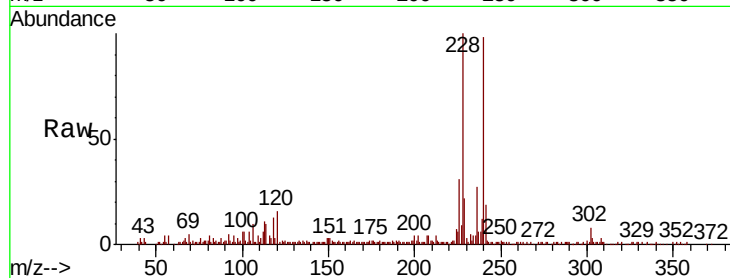




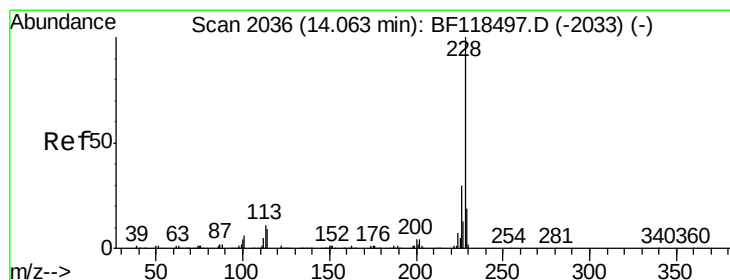
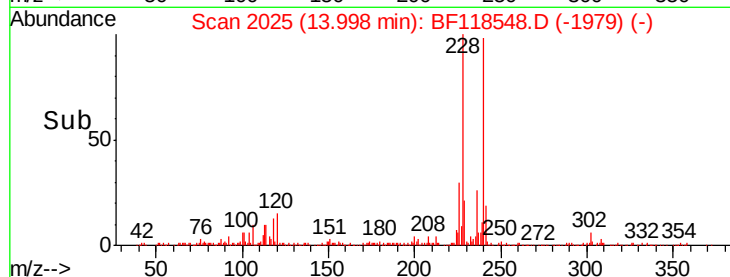
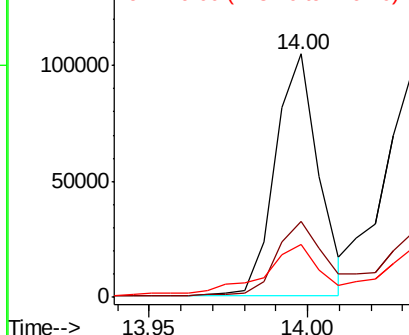
#81
Benzo(a)anthracene
Concen: 4.101 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.03 min
Lab File: BF118548.D
Acq: 13 Jan 2020 23:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 99122
Ion Ratio Lower Upper
228 100
226 30.9 20.7 31.1
229 21.6 15.4 23.2

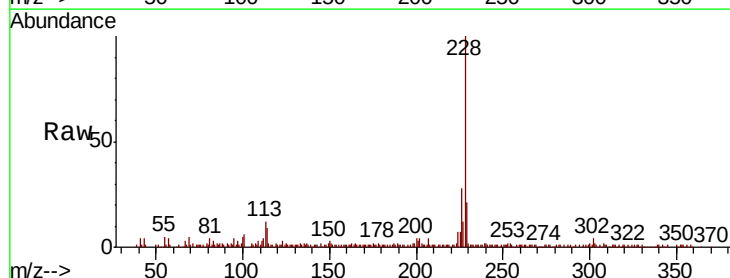


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

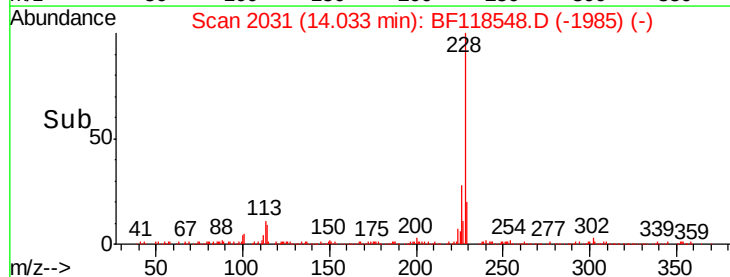
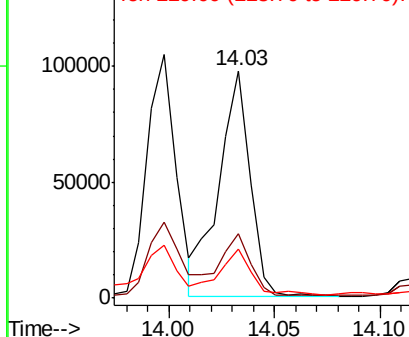


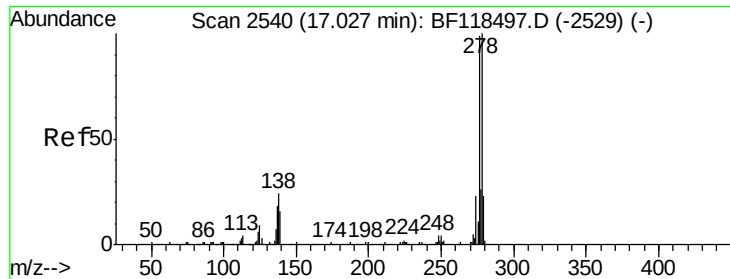
#83
Chrysene
Concen: 4.227 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.03 min
Lab File: BF118548.D
Acq: 13 Jan 2020 23:26

Tgt Ion:228 Resp: 99293
Ion Ratio Lower Upper
228 100
226 28.1 23.6 35.4
229 21.3 15.6 23.4



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

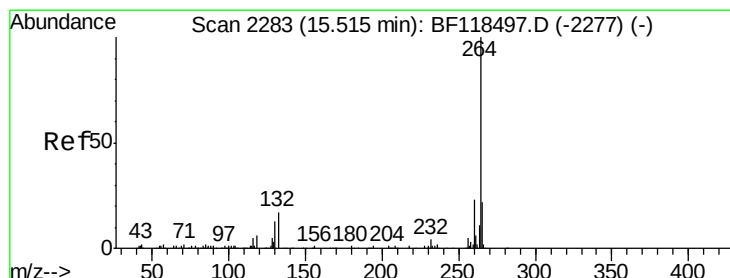
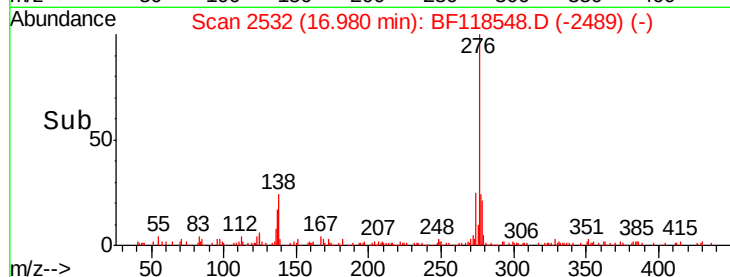
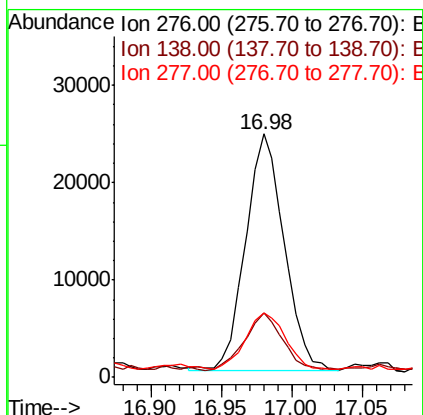
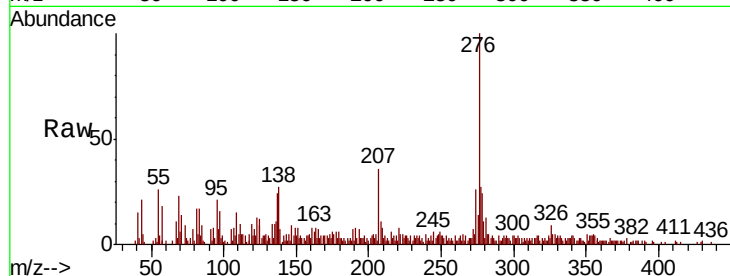




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.454 ng
 RT: 16.98 min Scan# 2532
 Delta R.T. -0.05 min
 Lab File: BF118548.D
 Acq: 13 Jan 2020 23:26

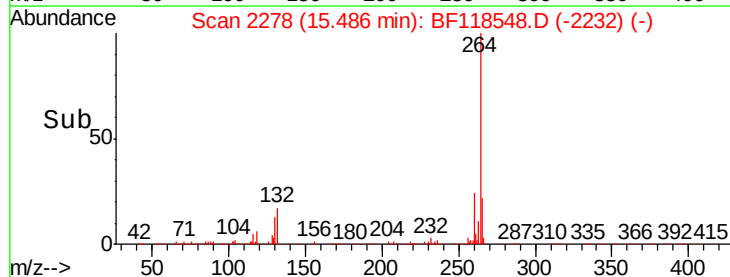
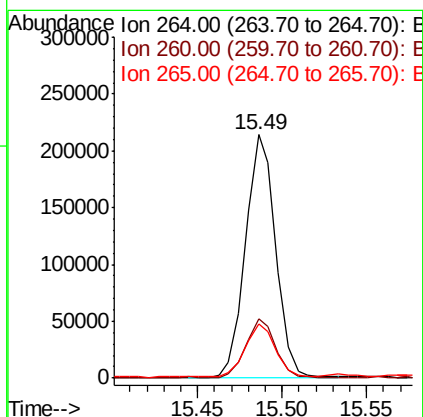
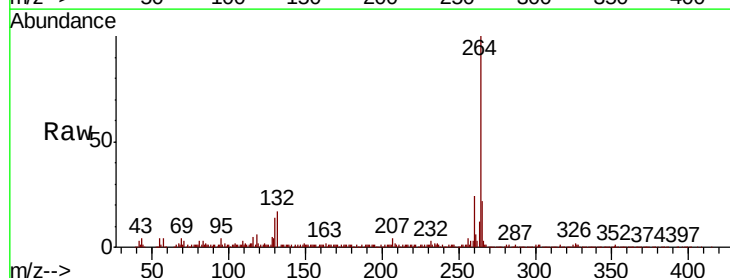
Instrument :
 BNA_F
 ClientSampleId :

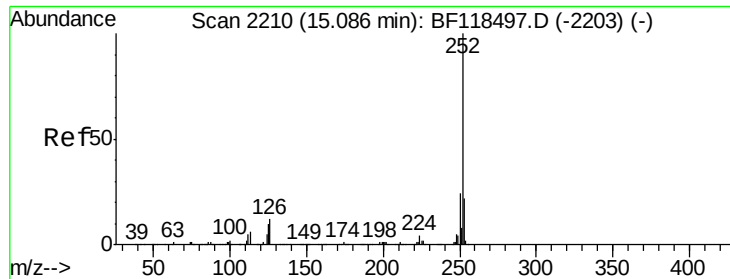
Tot Ion:276 Resp: 46404
 Ion Ratio Lower Upper
 276 100
 138 24.0 19.0 28.4
 277 25.2 20.5 30.7



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.49 min Scan# 2278
 Delta R.T. -0.03 min
 Lab File: BF118548.D
 Acq: 13 Jan 2020 23:26

Tgt Ion:264 Resp: 265167
 Ion Ratio Lower Upper
 264 100
 260 24.2 18.8 28.2
 265 22.1 17.5 26.3





#88

Benzo(b)fluoranthene

Concen: 8.553 ng

RT: 15.06 min Scan# 2205

Delta R.T. -0.03 min

Lab File: BF118548.D

Acq: 13 Jan 2020 23:26

Instrument :

BNA_F

ClientSampleId :

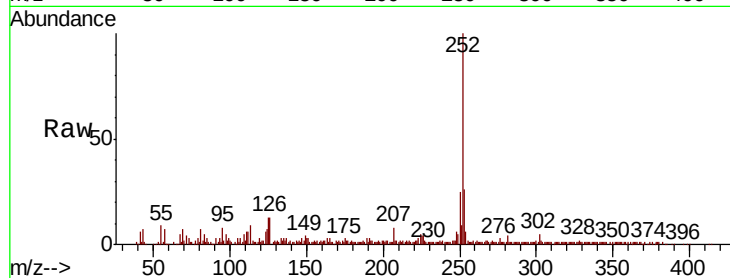
Tot Ion:252 Resp: 163967

Ion Ratio Lower Upper

252 100

253 25.8 17.6 26.4

125 13.3 7.8 11.6#

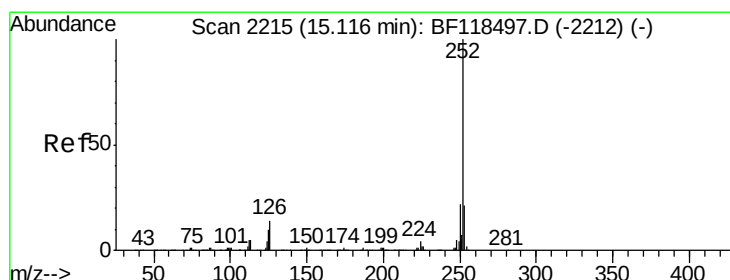
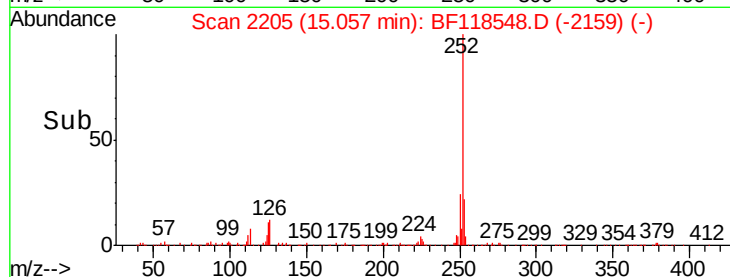
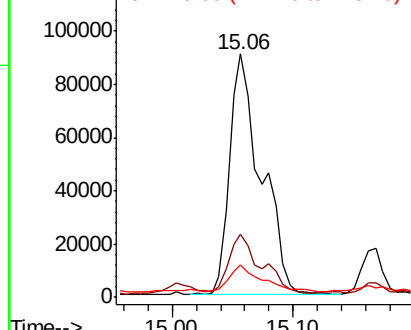


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 8.960 ng

RT: 15.06 min Scan# 2205

Delta R.T. -0.06 min

Lab File: BF118548.D

Acq: 13 Jan 2020 23:26

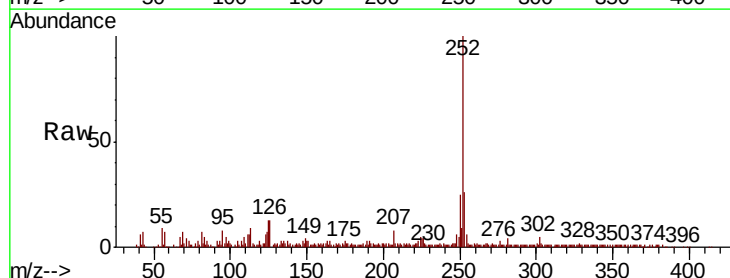
Tgt Ion:252 Resp: 163967

Ion Ratio Lower Upper

252 100

253 25.8 17.0 25.4#

125 13.3 7.8 11.6#

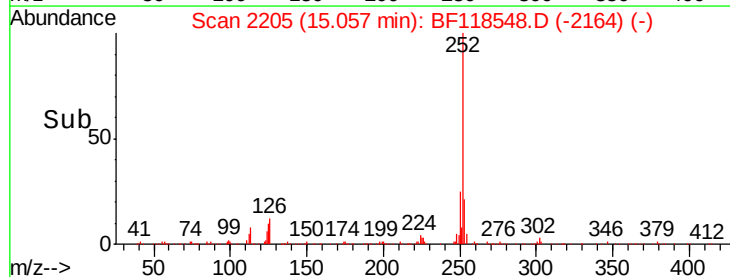
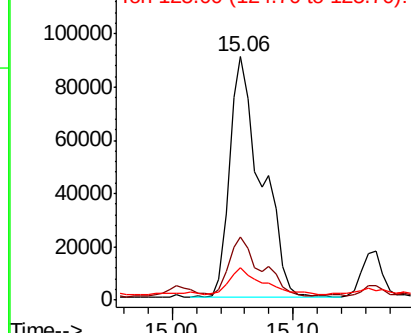


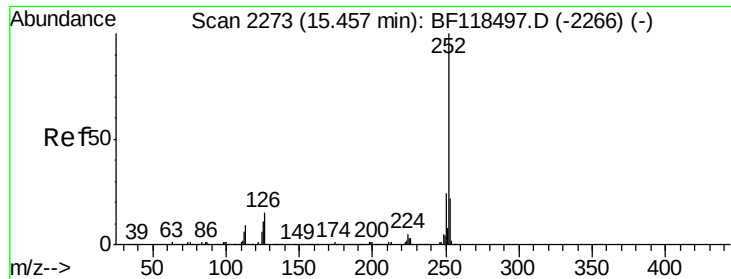
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

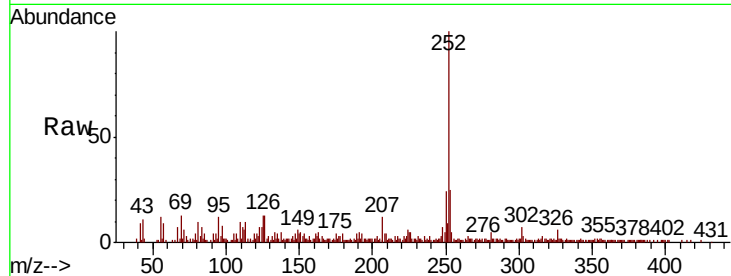




#90
Benzo(a)pyrene
Concen: 4.517 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.03 min
Lab File: BF118548.D
Acq: 13 Jan 2020 23:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.7	26.5
125	13.4	9.0	13.6

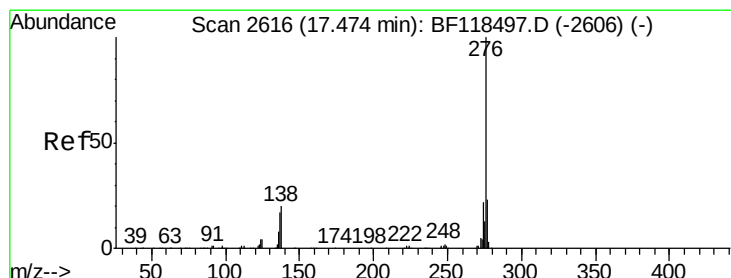
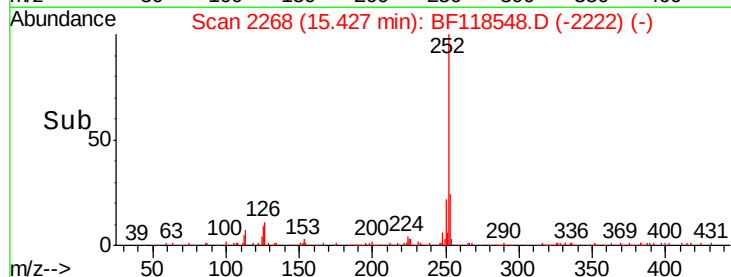
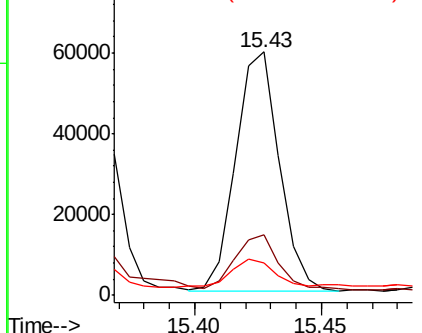


Abundance

Ion 252.00 (251.70 to 252.70): E

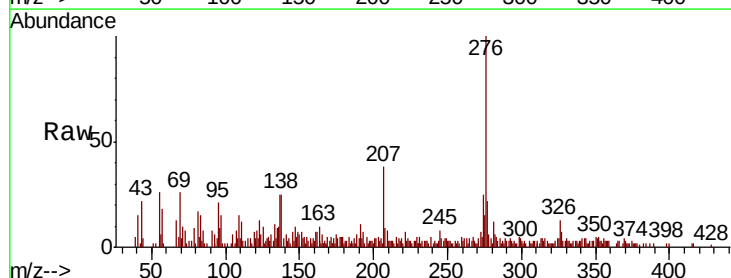
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 2.924 ng
RT: 17.44 min Scan# 2610
Delta R.T. -0.04 min
Lab File: BF118548.D
Acq: 13 Jan 2020 23:26

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.3	18.2	27.4
138	25.2	16.3	24.5



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

