

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011320\
 Data File : BF118549.D
 Acq On : 13 Jan 2020 23:54
 Operator : JU
 Sample : L1107-02 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 14 10:29:59 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	118693	20.00	ng	-0.02
21) Naphthalene-d8	8.10	136	457164	20.00	ng	-0.02
39) Acenaphthene-d10	9.86	164	213020	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	343332	20.00	ng	-0.02
76) Chrysene-d12	14.01	240	301986	20.00	ng	-0.03
87) Perylene-d12	15.49	264	270318	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	314189	43.70	ng	-0.01
7) Phenol-d6	6.46	99	395063	45.96	ng	-0.02
23) Nitrobenzene-d5	7.38	82	206299	23.71	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	104546	41.59	ng	-0.02
45) 2-Fluorobiphenyl	9.18	172	428613	28.86	ng	-0.02
79) Terphenyl-d14	12.94	244	461304	24.21	ng	-0.03

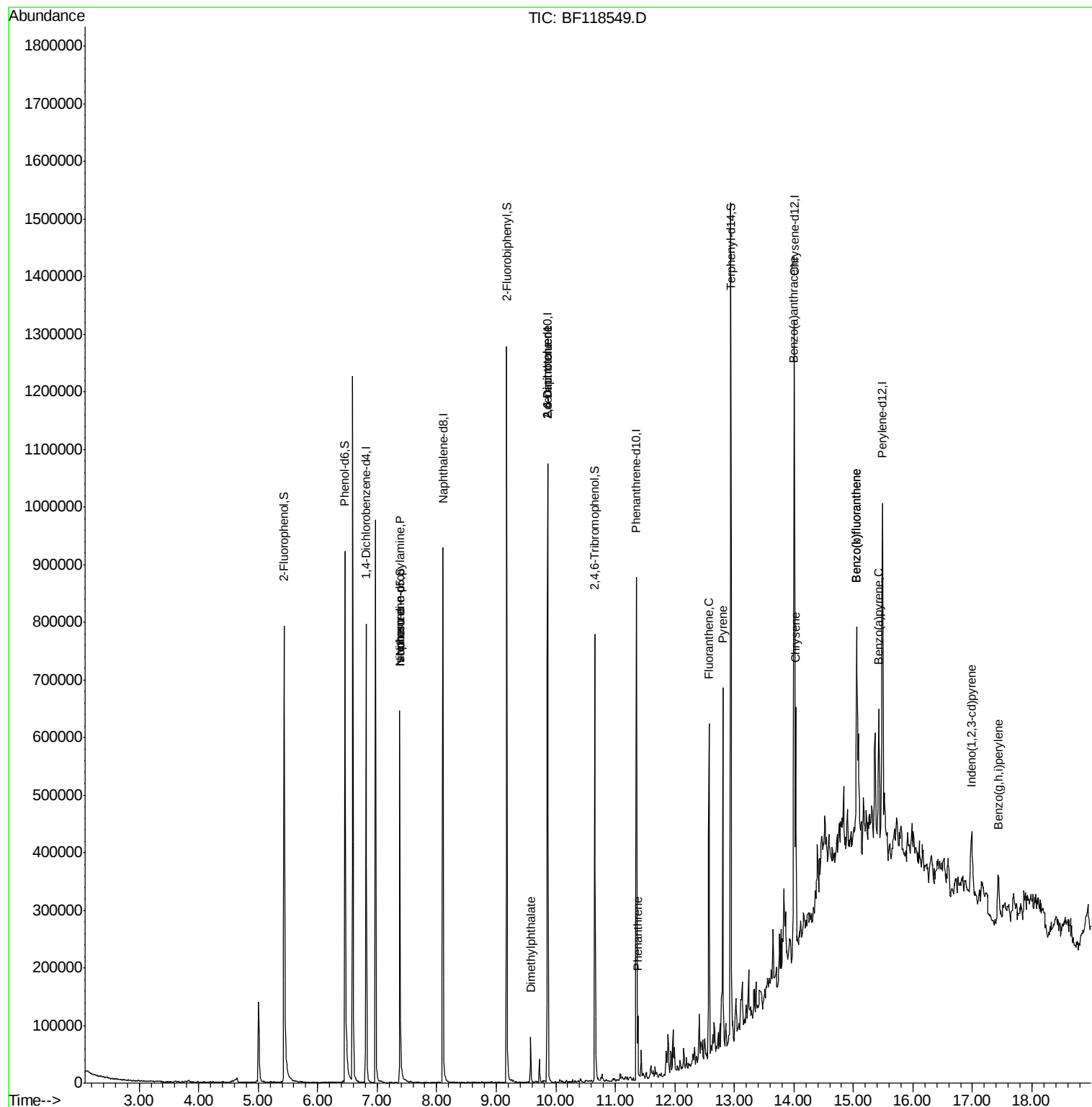
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.38	70	26337	4.757	ng	# 73
25) Isophorone	7.38	82	206297	14.797	ng	# 63
50) Dimethylphthalate	9.57	163	32706	2.000	ng	99
51) 2,6-Dinitrotoluene	9.86	165	26962	7.658	ng	# 23
57) 2,4-Dinitrotoluene	9.86	165	26962	5.719	ng	# 20
71) Phenanthrene	11.38	178	42537	2.212	ng	97
75) Fluoranthene	12.57	202	206672	10.572	ng	99
77) Benzidine	12.82	184	260	Below Cal		# 66
78) Pyrene	12.80	202	227790	9.168	ng	98
81) Benzo(a)anthracene	14.00	228	169640	8.026	ng	98
83) Chrysene	14.03	228	144743	7.047	ng	97
86) Indeno(1,2,3-cd)pyrene	16.99	276	68821	4.162	ng	96
88) Benzo(b)fluoranthene	15.06	252	244439	12.507	ng	# 94
89) Benzo(k)fluoranthene	15.06	252	244439	13.103	ng	# 93
90) Benzo(a)pyrene	15.43	252	116261	7.259	ng	98
92) Benzo(g,h,i)perylene	17.43	276	58962	4.144	ng	93

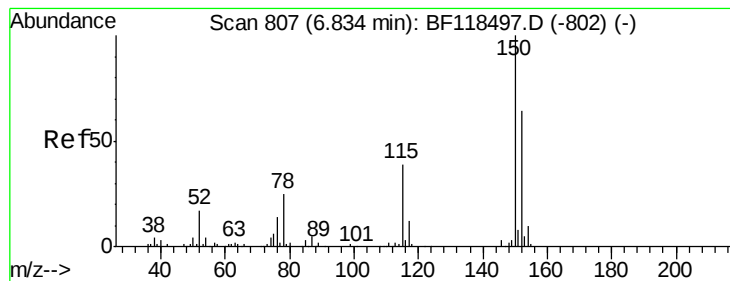
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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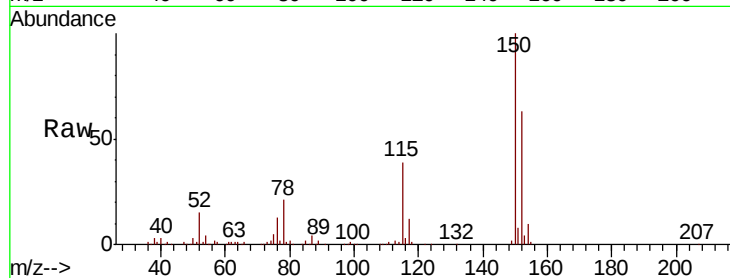


#1

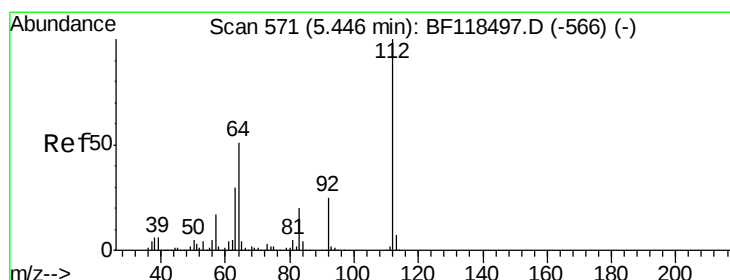
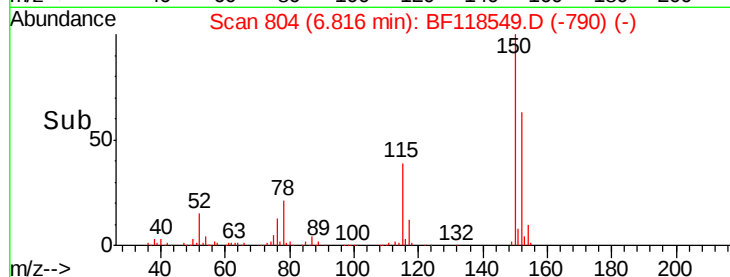
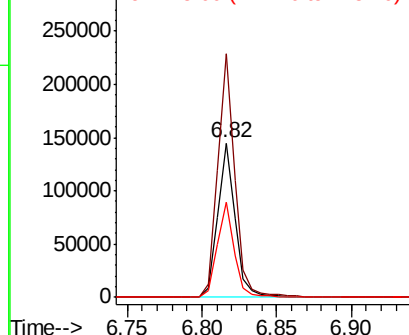
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.02 min
Lab File: BF118549.D
Acq: 13 Jan 2020 23:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 118693
Ion Ratio Lower Upper
152 100
150 157.5 124.7 187.1
115 61.3 49.0 73.6



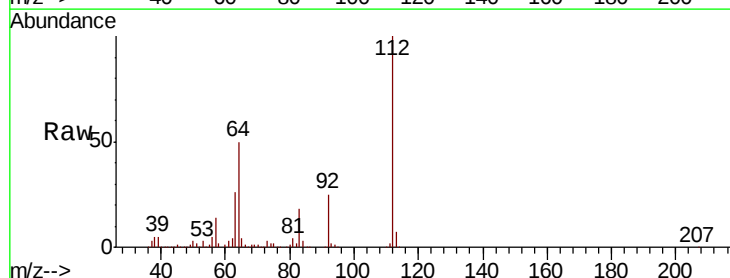
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



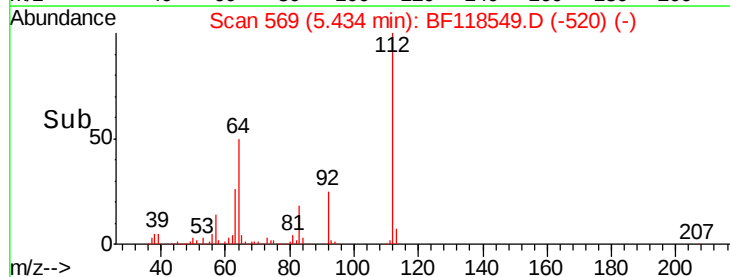
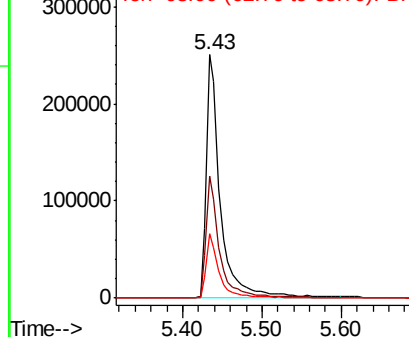
#5

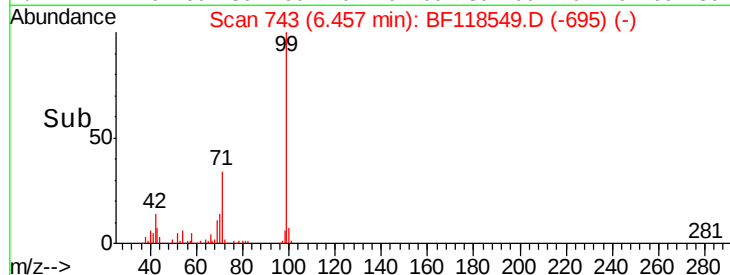
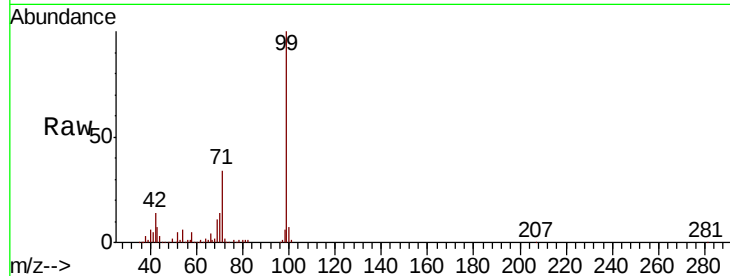
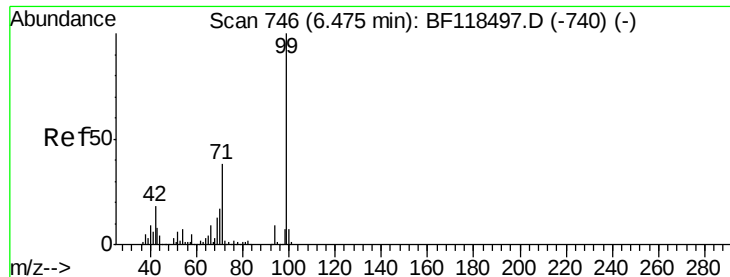
2-Fluorophenol
Concen: 43.697 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BF118549.D
Acq: 13 Jan 2020 23:54

Tgt Ion:112 Resp: 314189
Ion Ratio Lower Upper
112 100
64 50.1 41.1 61.7
63 26.4 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: 45.957 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.02 min

Lab File: BF118549.D

Acq: 13 Jan 2020 23:54

Instrument :

BNA_F

ClientSampleId :

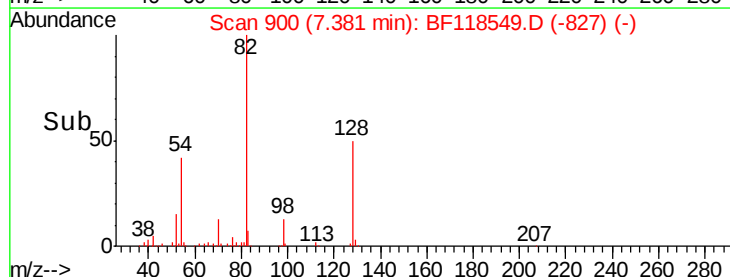
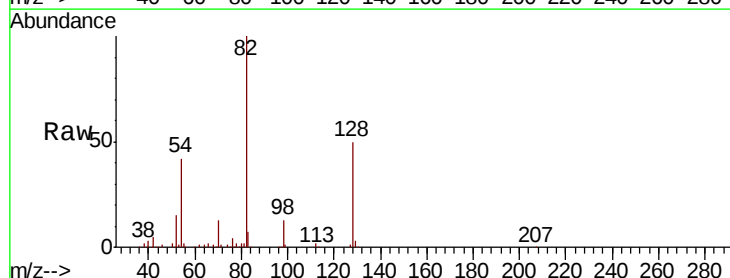
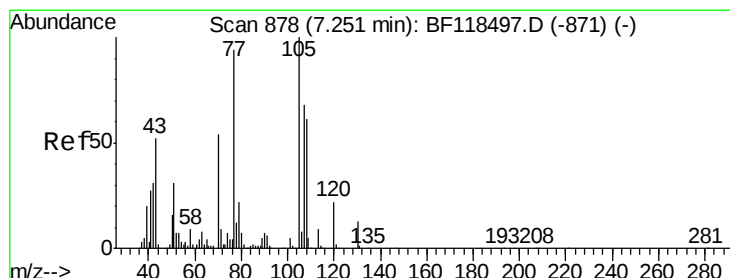
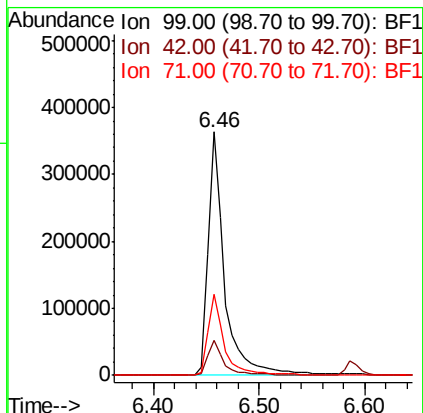
Tot Ion: 99 Resp: 395063

Ion Ratio Lower Upper

99 100

42 14.5 14.5 21.7#

71 33.5 30.6 45.8



#19

n-Nitroso-di-n-propylamine

Concen: 4.757 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.13 min

Lab File: BF118549.D

Acq: 13 Jan 2020 23:54

Tgt Ion: 70 Resp: 26337

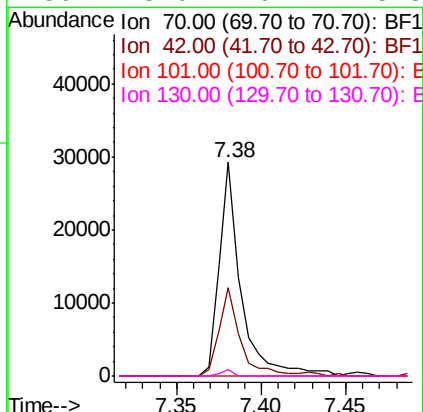
Ion Ratio Lower Upper

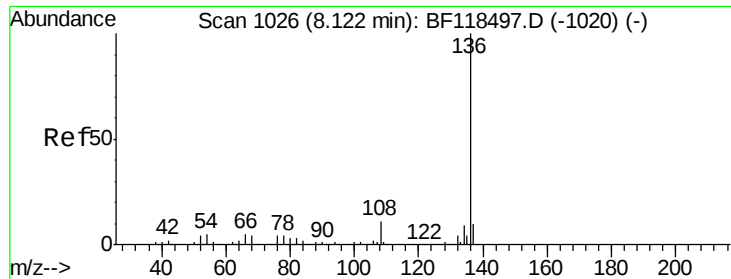
70 100

42 41.6 45.6 68.4#

101 0.0 8.2 12.2#

130 3.0 19.2 28.8#

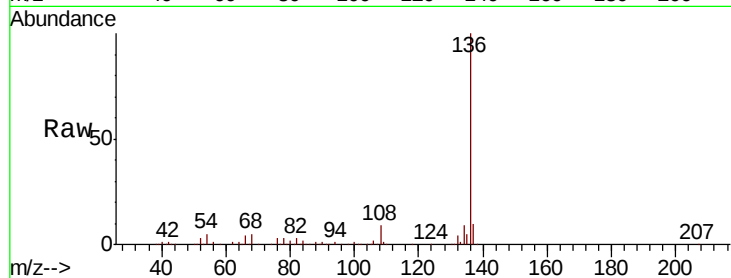




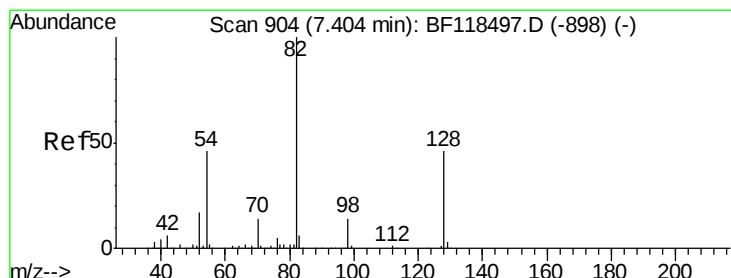
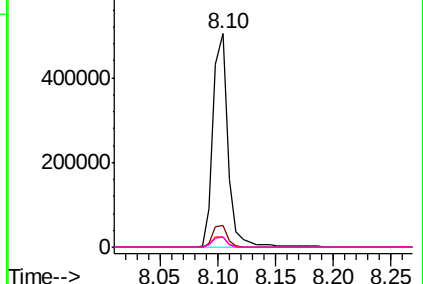
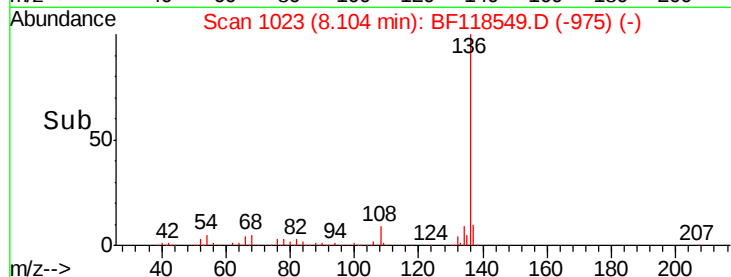
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.02 min
Lab File: BF118549.D
Acq: 13 Jan 2020 23:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	457164
Ion Ratio	Lower	Upper
136 100		
137 10.5	8.3	12.5
54 4.8	4.2	6.2
68 4.6	3.3	4.9

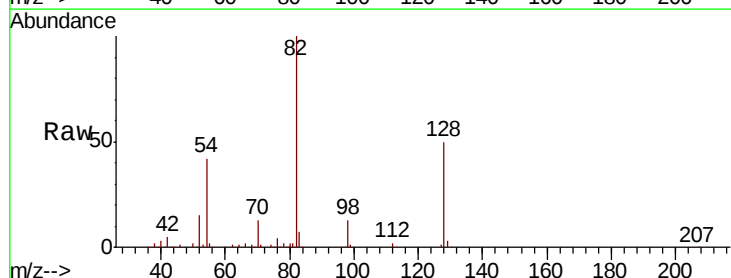


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

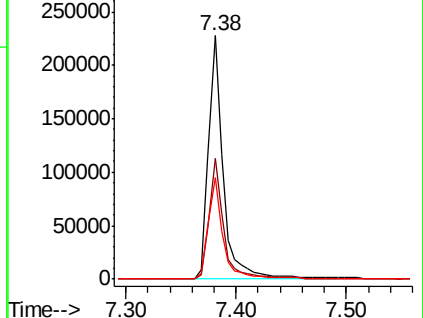
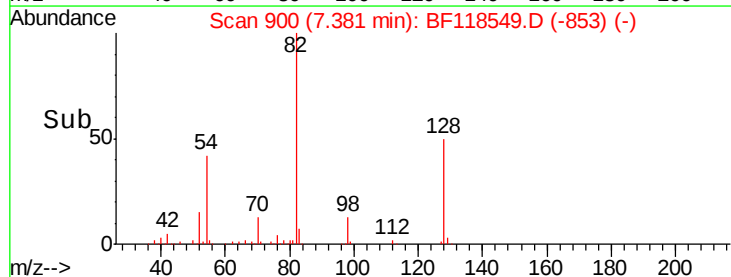


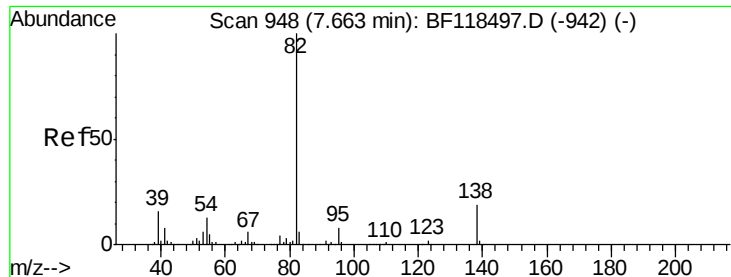
#23
Nitrobenzene-d5
Concen: 23.705 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.02 min
Lab File: BF118549.D
Acq: 13 Jan 2020 23:54

Tgt	Ion: 82	Resp:	206299
Ion	Ratio	Lower	Upper
82	100		
128	49.8	36.6	54.8
54	41.6	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: 14.797 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.28 min

Lab File: BF118549.D

Acq: 13 Jan 2020 23:54

Instrument :

BNA_F

ClientSampleId :

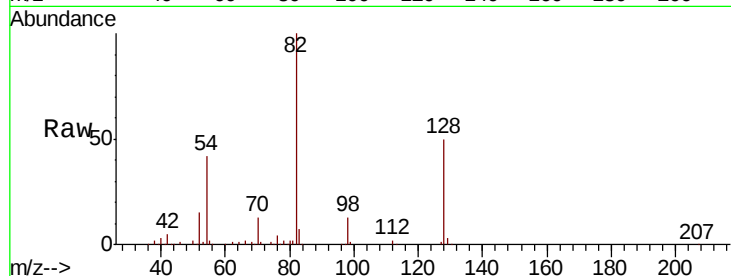
Tot Ion: 82 Resp: 206297

Ion Ratio Lower Upper

82 100

95 0.0 6.6 9.8#

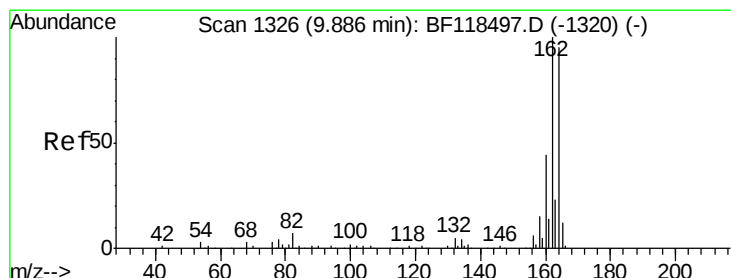
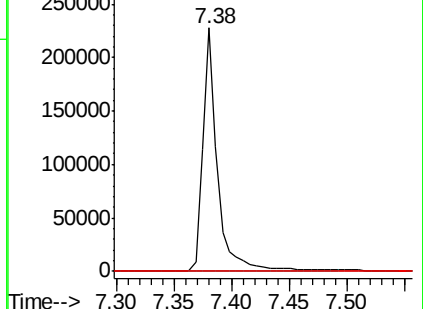
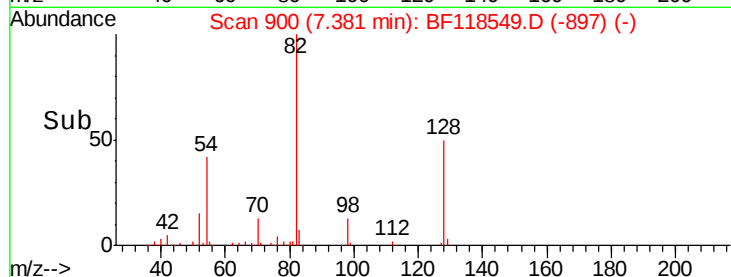
138 0.0 15.4 23.2#



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: BF118549.D

Acq: 13 Jan 2020 23:54

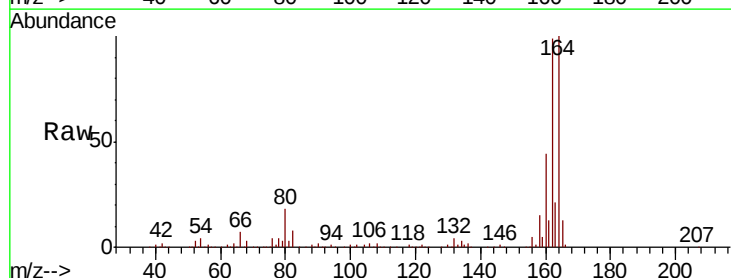
Tgt Ion: 164 Resp: 213020

Ion Ratio Lower Upper

164 100

162 99.5 84.2 126.4

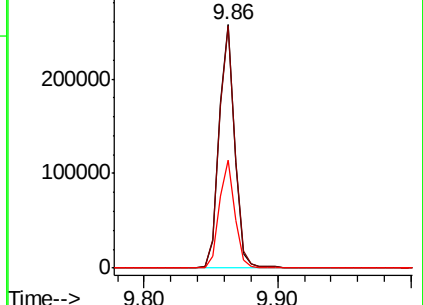
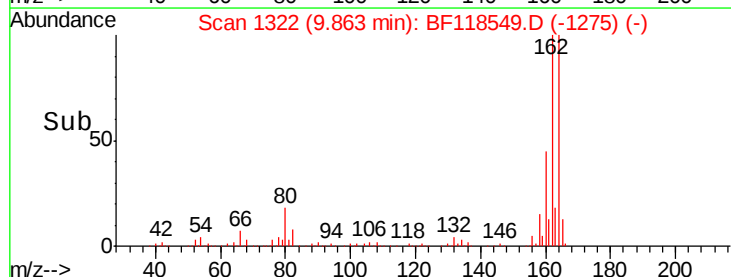
160 44.5 36.8 55.2

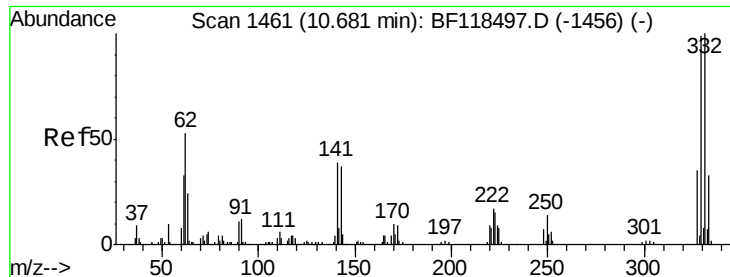


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

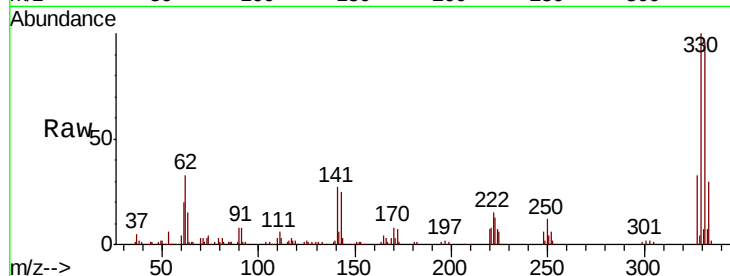




#42
 2,4,6-Tribromophenol
 Concen: 41.592 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.02 min
 Lab File: BF118549.D
 Acq: 13 Jan 2020 23:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.9	116.9
141	29.1	28.6	43.0

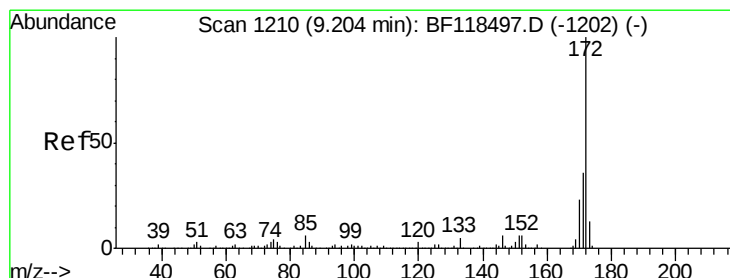
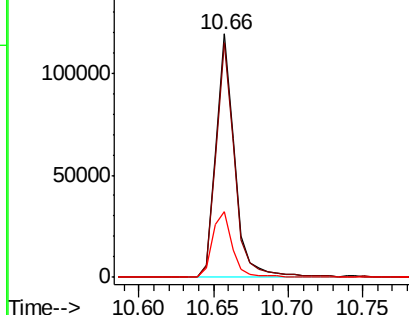
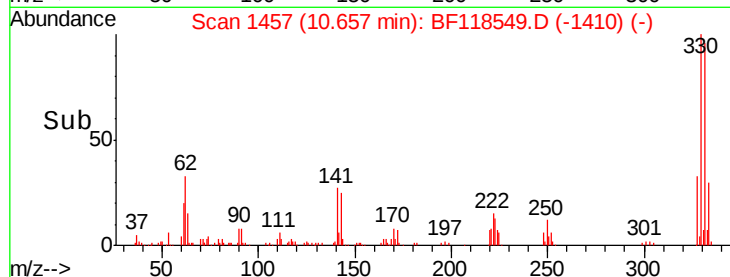


Abundance

Ion 329.80 (329.50 to 330.50): E

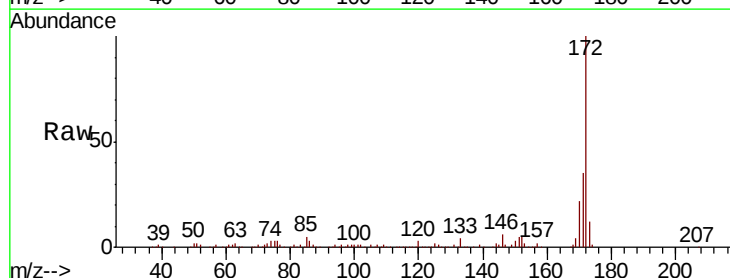
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 28.857 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. -0.02 min
 Lab File: BF118549.D
 Acq: 13 Jan 2020 23:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.6	42.8
170	22.4	18.6	27.8

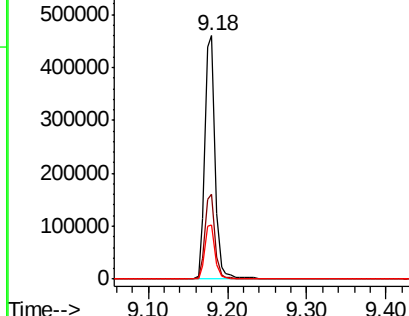
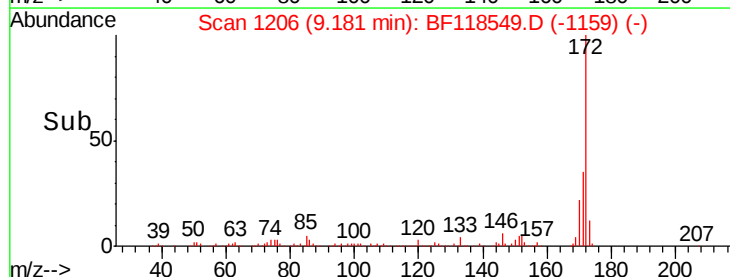


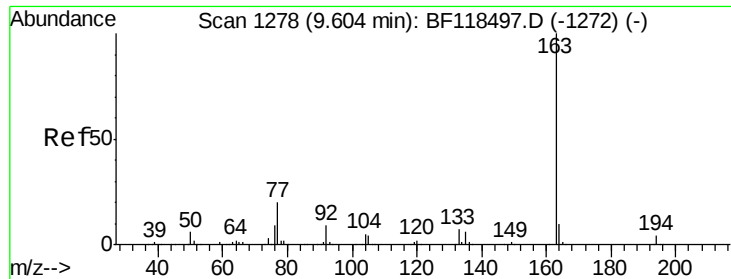
Abundance

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

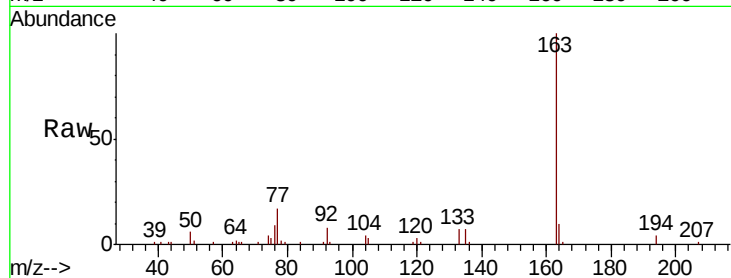




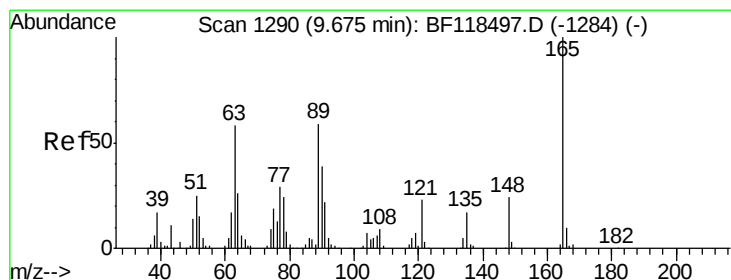
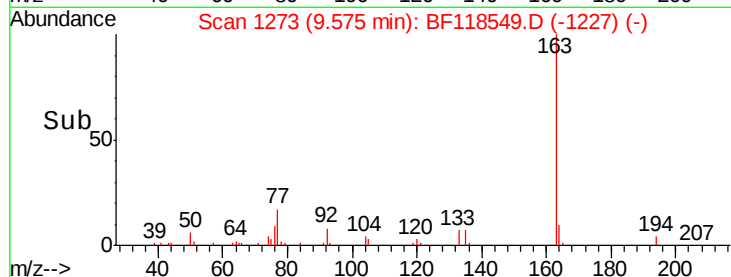
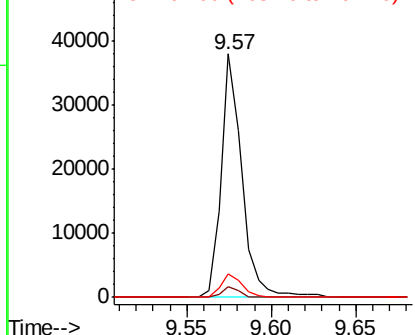
#50
Dimethylphthalate
Concen: 2.000 ng
RT: 9.57 min Scan# 1273
Delta R.T. -0.03 min
Lab File: BF118549.D
Acq: 13 Jan 2020 23:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 32706
Ion Ratio Lower Upper
163 100
194 4.4 3.0 4.6
164 9.7 8.1 12.1

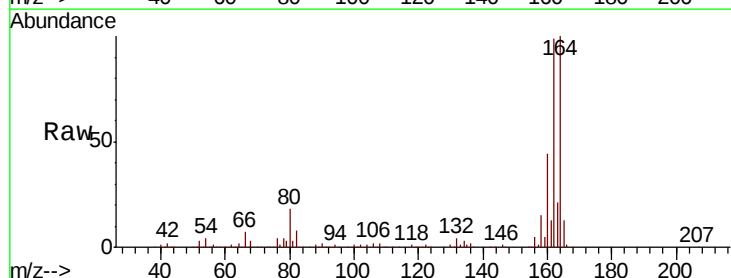


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

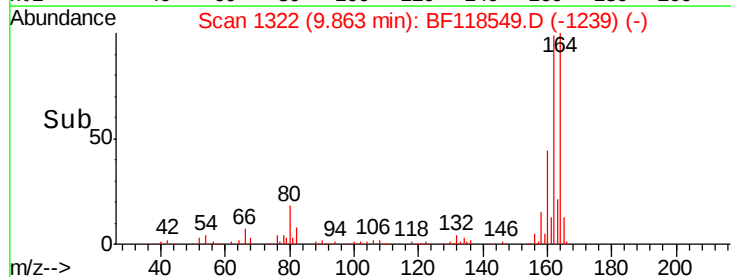
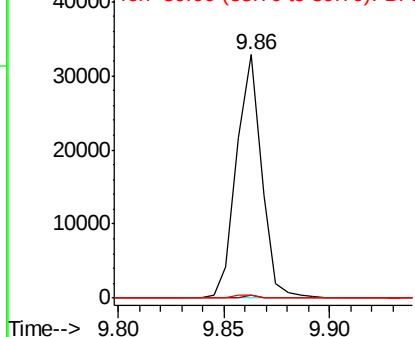


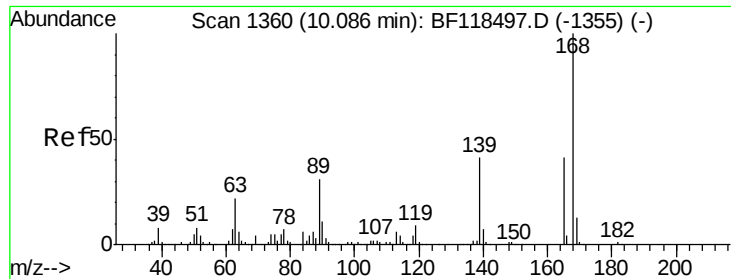
#51
2,6-Dinitrotoluene
Concen: 7.658 ng
RT: 9.86 min Scan# 1322
Delta R.T. 0.19 min
Lab File: BF118549.D
Acq: 13 Jan 2020 23:54

Tgt Ion:165 Resp: 26962
Ion Ratio Lower Upper
165 100
63 1.1 46.6 70.0#
89 1.2 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

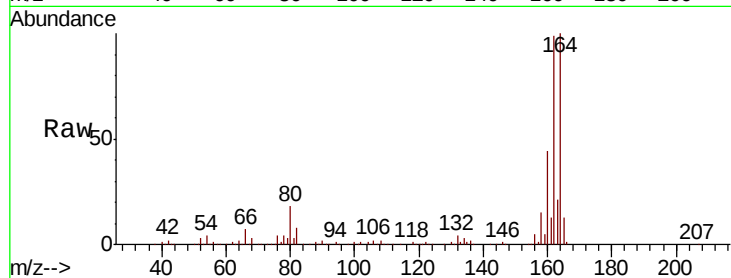




#57
 2,4-Dinitrotoluene
 Concen: 5.719 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.22 min
 Lab File: BF118549.D
 Acq: 13 Jan 2020 23:54

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	44.1	66.1#
89	1.2	60.4	90.6#
182	0.0	2.0	3.0#



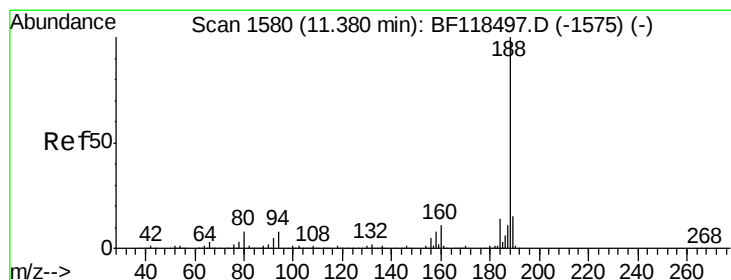
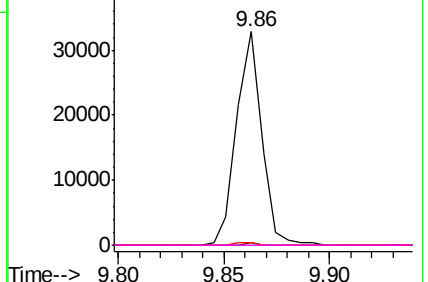
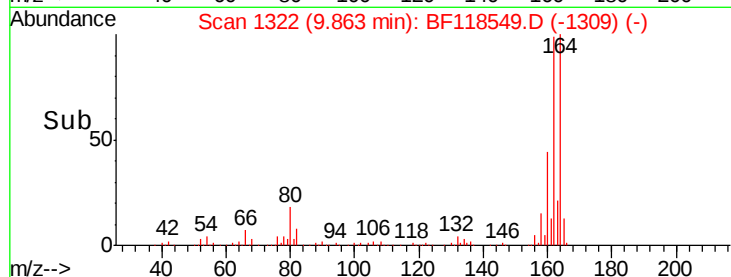
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

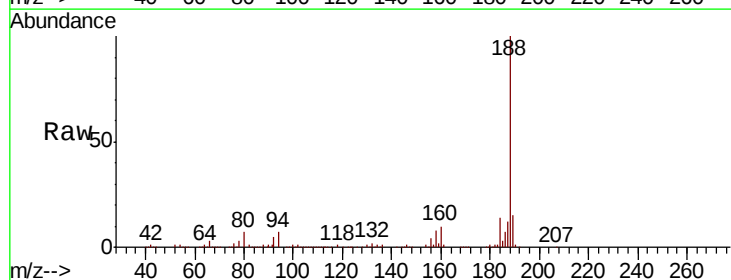
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.02 min
 Lab File: BF118549.D
 Acq: 13 Jan 2020 23:54

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.2	6.2	9.4
80	7.5	6.6	10.0

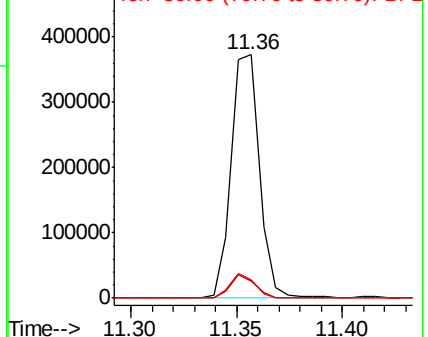
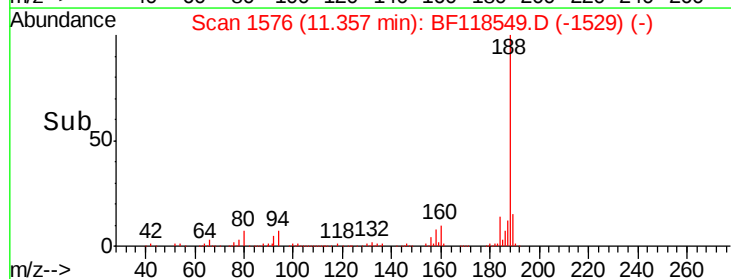


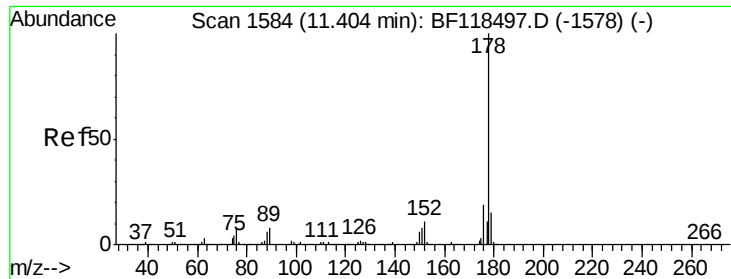
Abundance

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

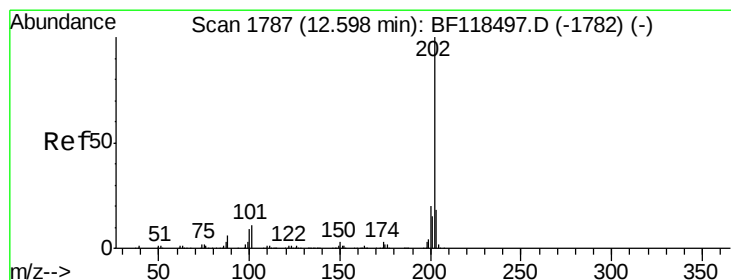
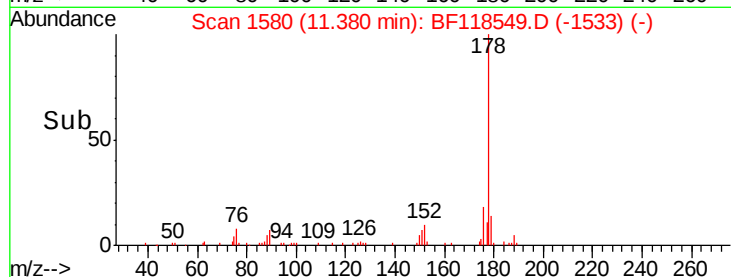
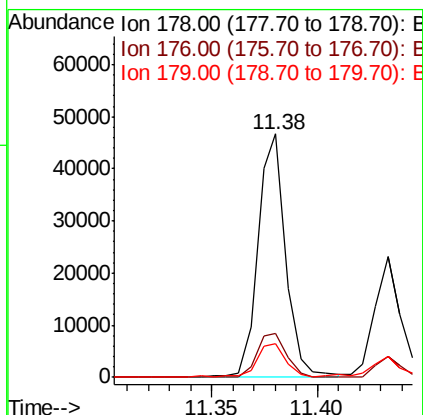
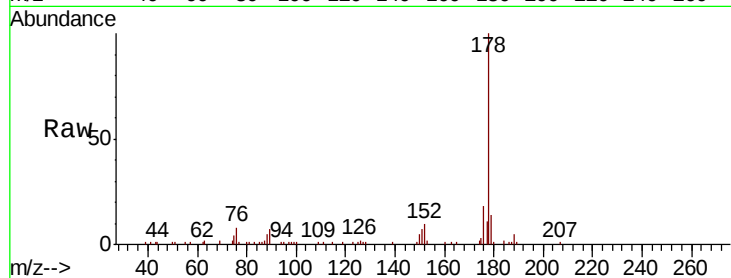




#71
Phenanthrene
Concen: 2.212 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF118549.D
Acq: 13 Jan 2020 23:54

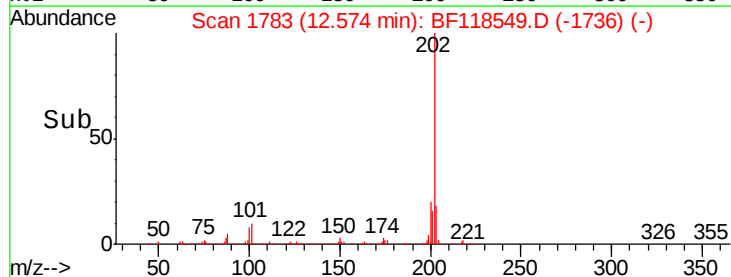
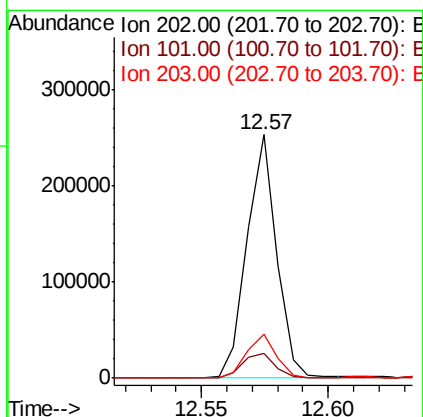
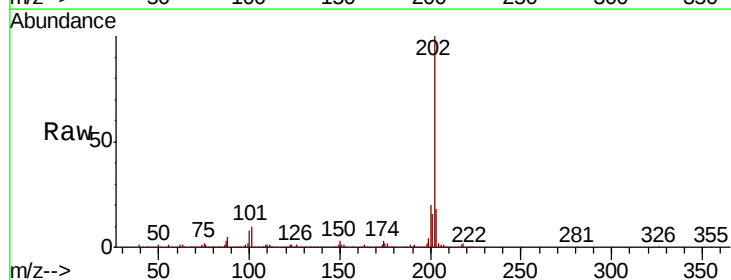
Instrument :
BNA_F
ClientSampleId :

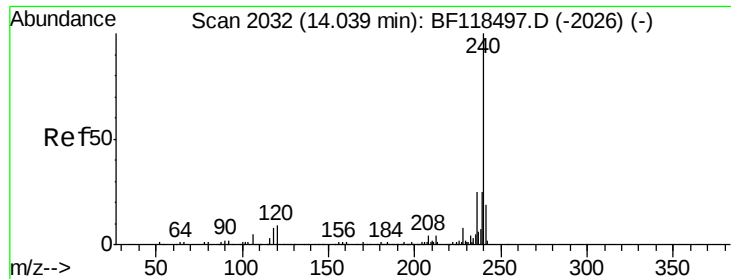
Tot Ion:178 Resp: 42537
Ion Ratio Lower Upper
178 100
176 17.9 15.2 22.8
179 13.9 12.3 18.5



#75
Fluoranthene
Concen: 10.572 ng
RT: 12.57 min Scan# 1783
Delta R.T. -0.02 min
Lab File: BF118549.D
Acq: 13 Jan 2020 23:54

Tgt Ion:202 Resp: 206672
Ion Ratio Lower Upper
202 100
101 10.3 0.0 31.4
203 18.2 0.0 38.1

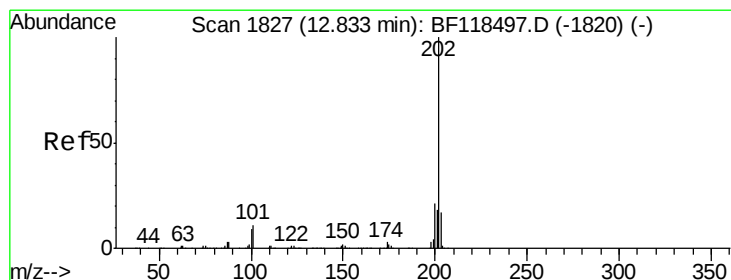
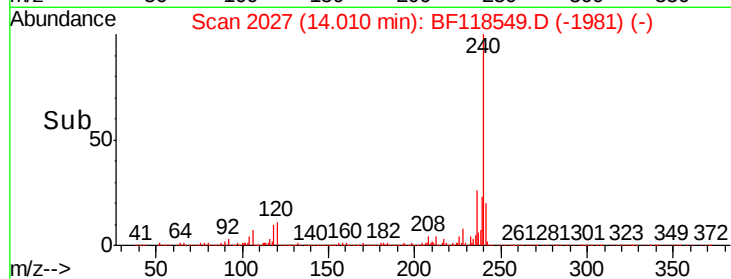
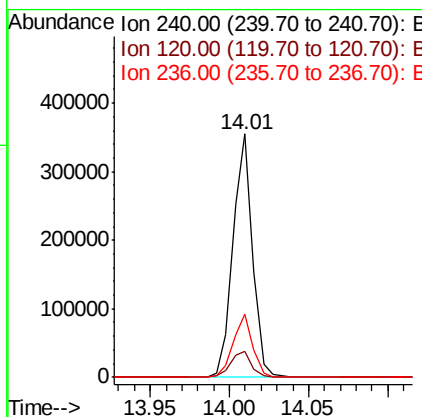
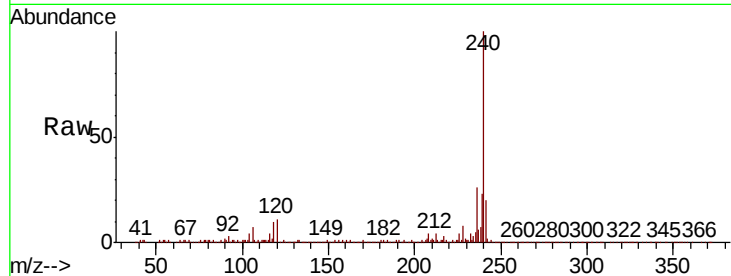




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.03 min
Lab File: BF118549.D
Acq: 13 Jan 2020 23:54

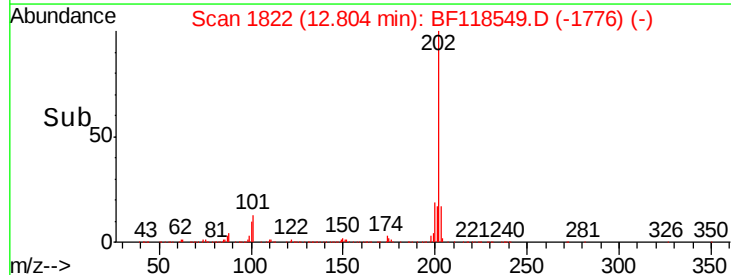
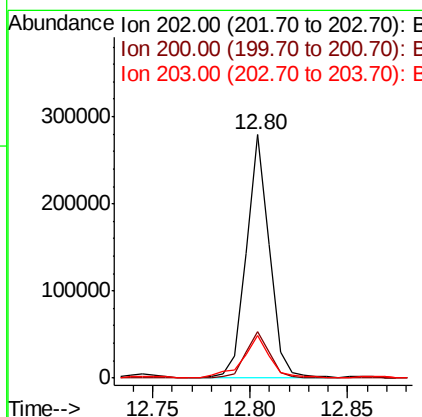
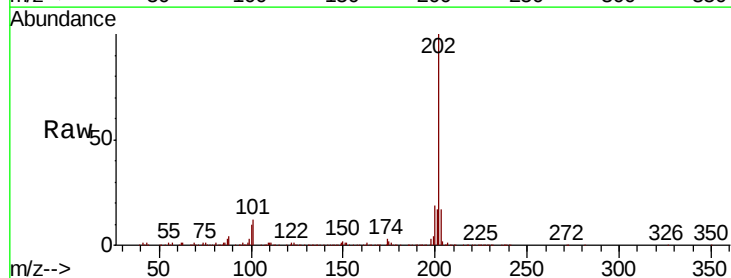
Instrument :
BNA_F
ClientSampleId :

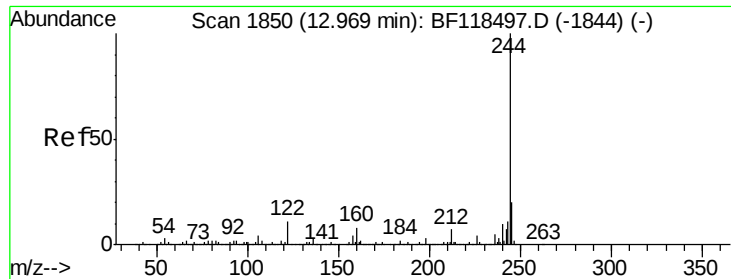
Tot Ion:240 Resp: 301986
Ion Ratio Lower Upper
240 100
120 10.6 7.0 10.6#
236 26.2 20.1 30.1



#78
Pyrene
Concen: 9.168 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.03 min
Lab File: BF118549.D
Acq: 13 Jan 2020 23:54

Tgt Ion:202 Resp: 227790
Ion Ratio Lower Upper
202 100
200 19.3 16.9 25.3
203 17.4 13.9 20.9





#79

Terphenyl-d14

Concen: 24.207 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.03 min

Lab File: BF118549.D

Acq: 13 Jan 2020 23:54

Instrument :

BNA_F

ClientSampleId :

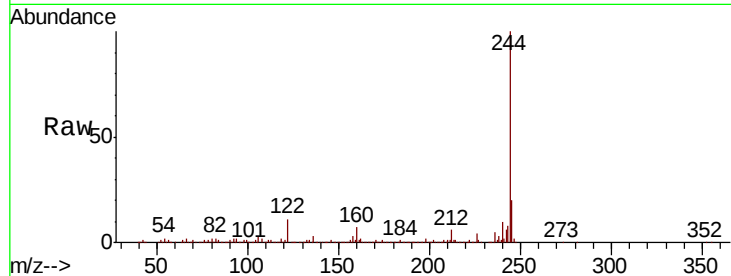
Tot Ion:244 Resp: 461304

Ion Ratio Lower Upper

244 100

212 6.3 5.6 8.4

122 10.7 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

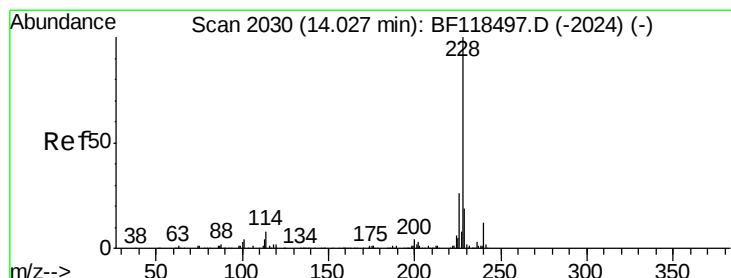
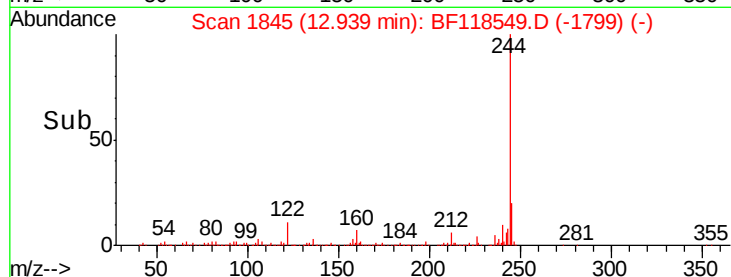
600000 12.94

400000

200000

0

Time-->



#81

Benzo(a)anthracene

Concen: 8.026 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.03 min

Lab File: BF118549.D

Acq: 13 Jan 2020 23:54

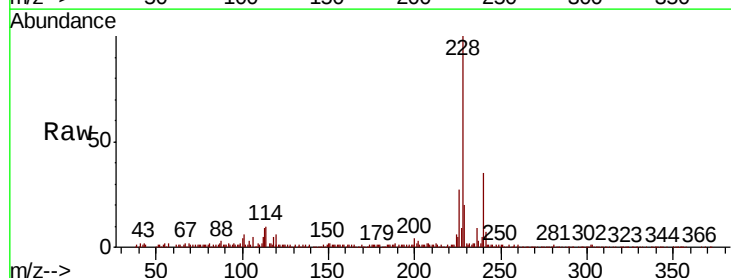
Tgt Ion:228 Resp: 169640

Ion Ratio Lower Upper

228 100

226 27.1 20.7 31.1

229 20.4 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

200000 14.00

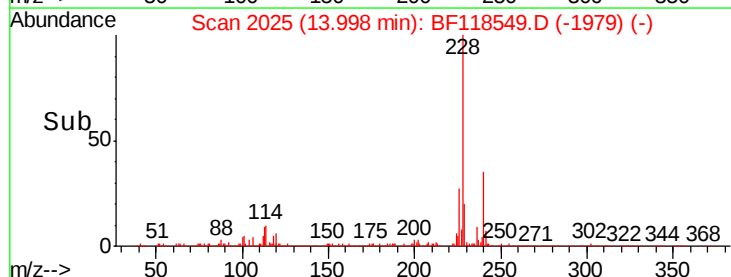
150000

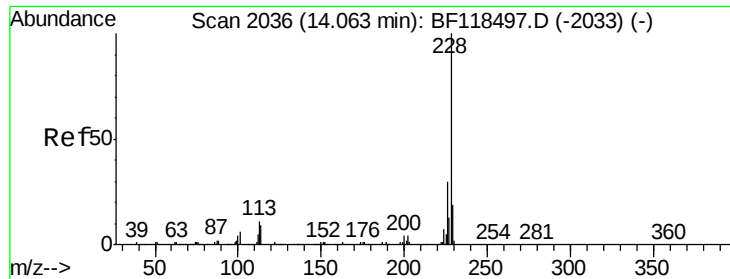
100000

50000

0

Time-->

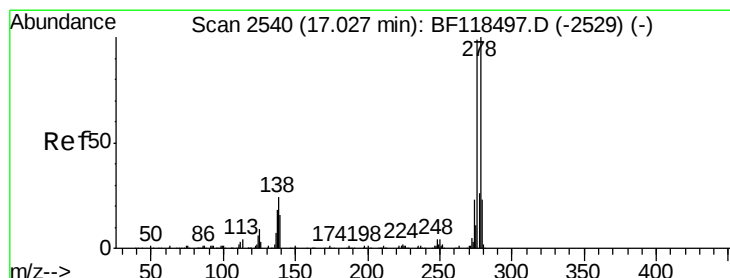
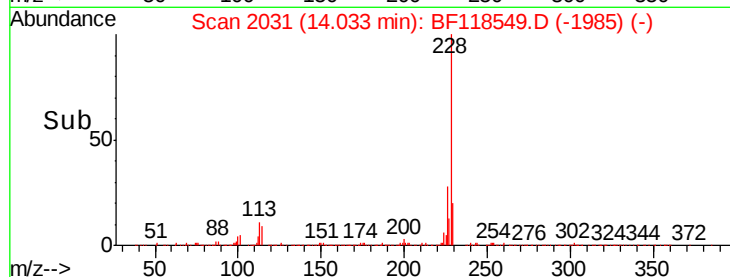
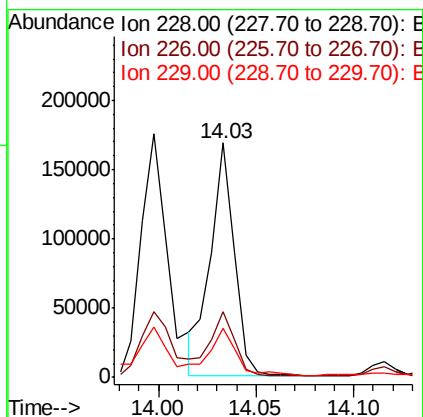
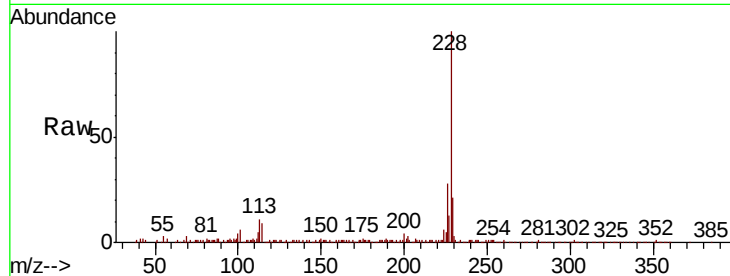




#83
Chrysene
Concen: 7.047 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.03 min
Lab File: BF118549.D
Acq: 13 Jan 2020 23:54

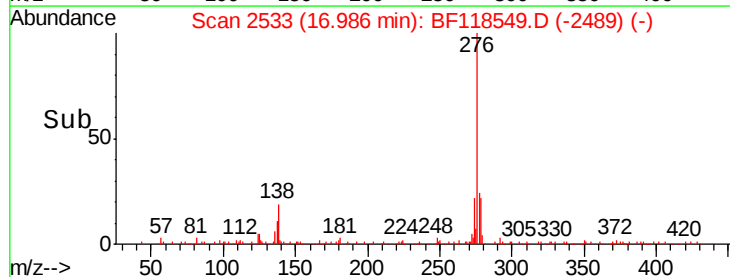
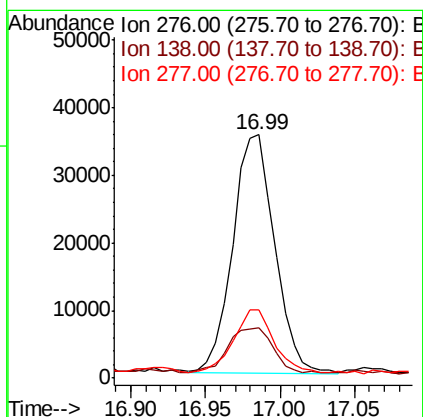
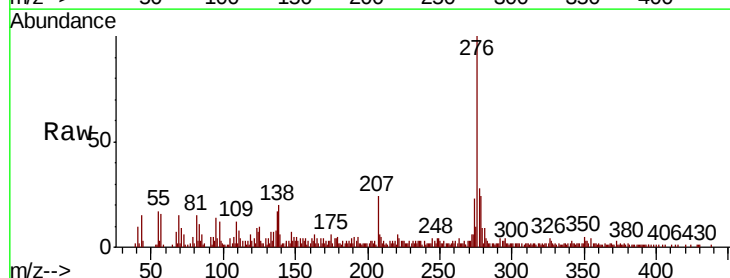
Instrument :
BNA_F
ClientSampleId :

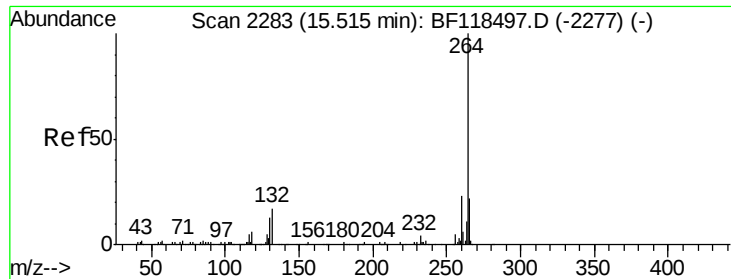
Tot Ion:228 Resp: 144743
Ion Ratio Lower Upper
228 100
226 28.0 23.6 35.4
229 20.9 15.6 23.4



#86
Indeno(1,2,3-cd)pyrene
Concen: 4.162 ng
RT: 16.99 min Scan# 2533
Delta R.T. -0.04 min
Lab File: BF118549.D
Acq: 13 Jan 2020 23:54

Tgt Ion:276 Resp: 68821
Ion Ratio Lower Upper
276 100
138 20.7 19.0 28.4
277 25.0 20.5 30.7

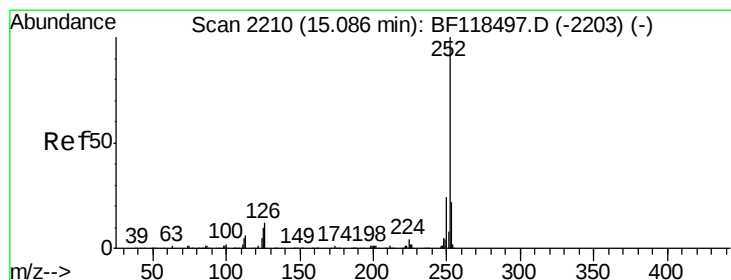
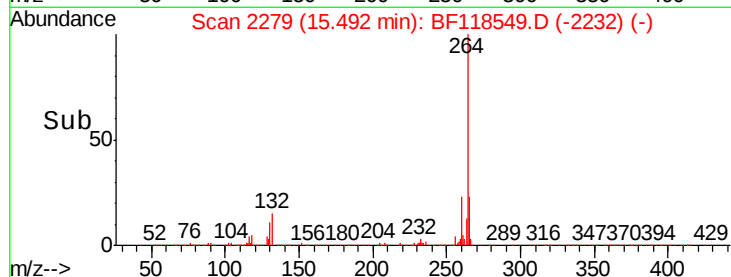
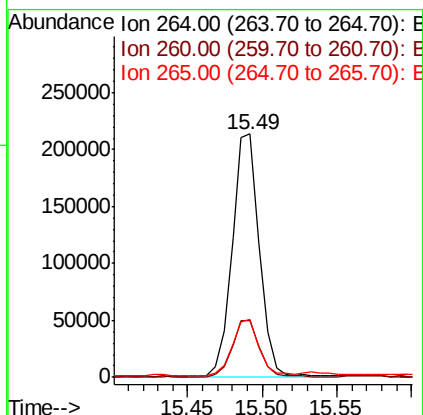
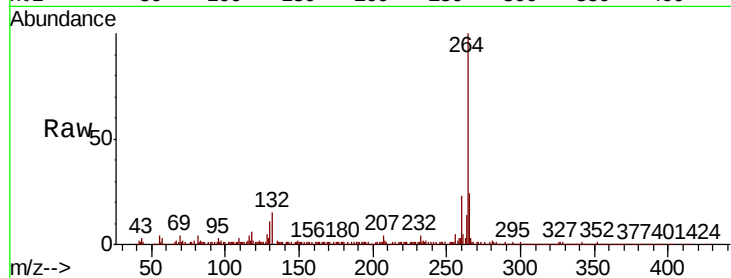




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.02 min
Lab File: BF118549.D
Acq: 13 Jan 2020 23:54

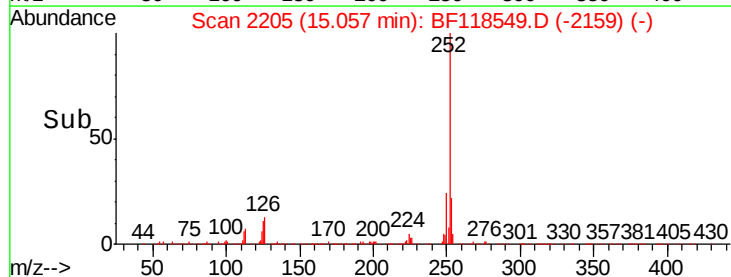
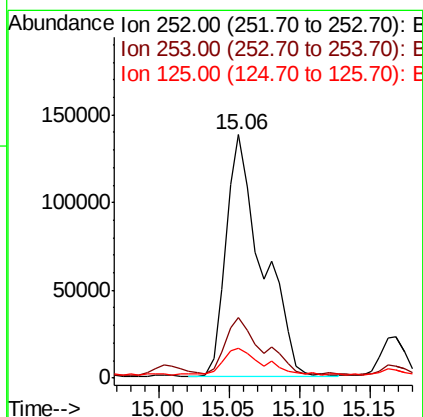
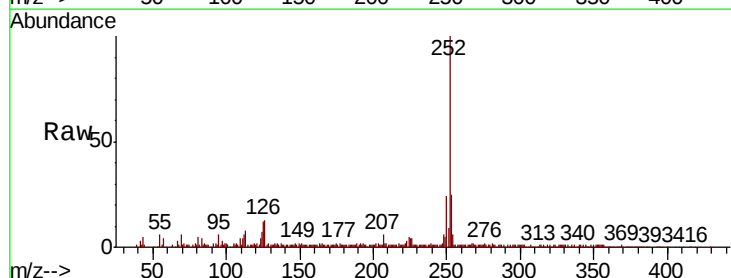
Instrument :
BNA_F
ClientSampleId :

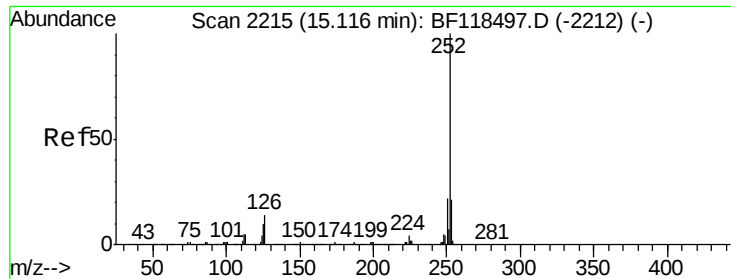
Tot Ion:264 Resp: 270318
Ion Ratio Lower Upper
264 100
260 23.1 18.8 28.2
265 23.6 17.5 26.3



#88
Benzo(b)fluoranthene
Concen: 12.507 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.03 min
Lab File: BF118549.D
Acq: 13 Jan 2020 23:54

Tgt Ion:252 Resp: 244439
Ion Ratio Lower Upper
252 100
253 24.8 17.6 26.4
125 12.2 7.8 11.6#

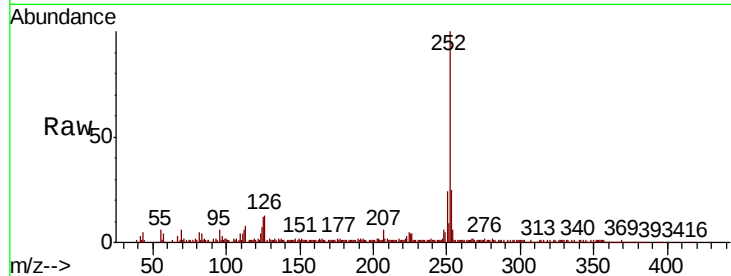




#89
Benzo(k)fluoranthene
Concen: 13.103 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.06 min
Lab File: BF118549.D
Acq: 13 Jan 2020 23:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.0	25.4
125	12.2	7.8	11.6

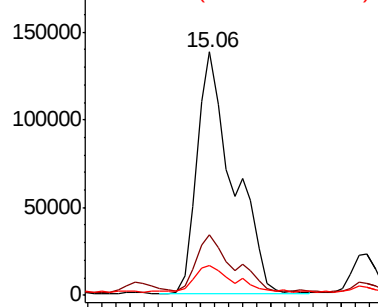


Abundance

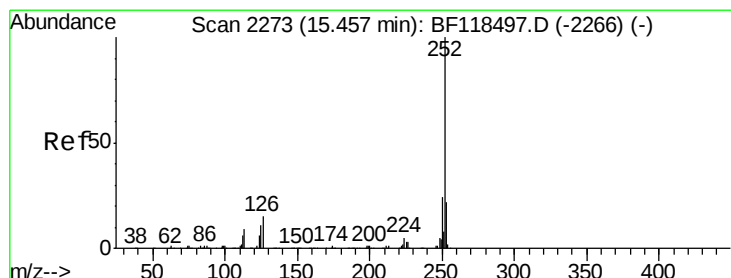
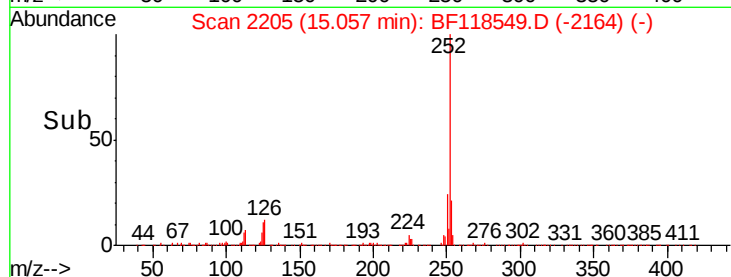
Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

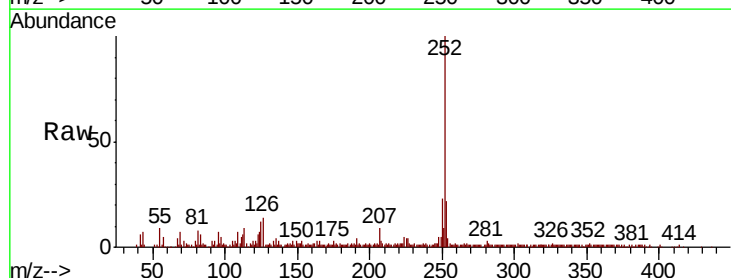


Time-->



#90
Benzo(a)pyrene
Concen: 7.259 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.03 min
Lab File: BF118549.D
Acq: 13 Jan 2020 23:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.7	26.5
125	12.1	9.0	13.6

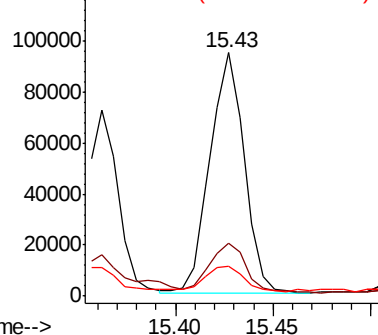


Abundance

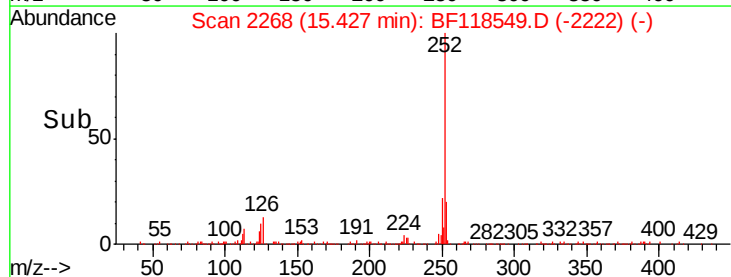
Ion 252.00 (251.70 to 252.70): E

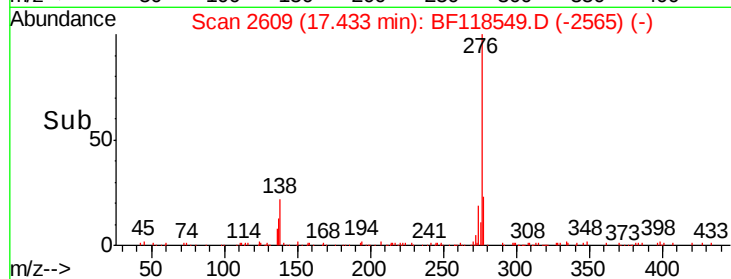
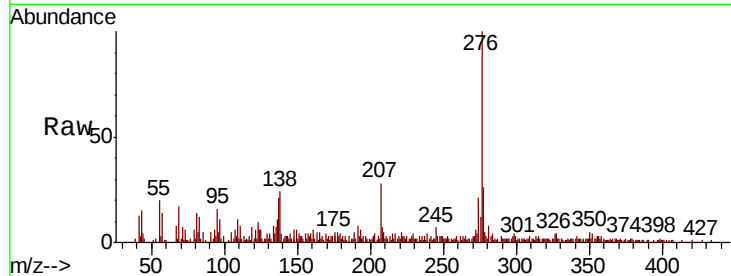
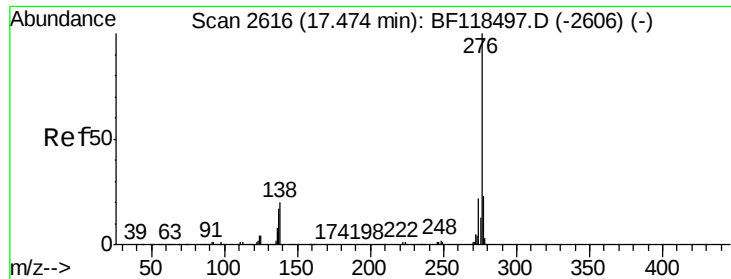
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#92

Benzo(a,h,i)perylene

Concen: 4.144 ng

RT: 17.43 min Scan# 2609

Delta R.T. -0.04 min

Lab File: BF118549.D

Acq: 13 Jan 2020 23:54

Instrument :

BNA_F

ClientSampleId :

Tot Ion:276 Resp: 58962

Ion Ratio Lower Upper

276 100

277 25.5 18.2 27.4

138 24.0 16.3 24.5

