

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
 Data File : BF121798.D
 Acq On : 2 Oct 2020 17:13
 Operator : JU/CG
 Sample : L3870-16 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-093020

Quant Time: Oct 02 18:34:55 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 01 14:29:14 2020
 Response via : Initial Calibration

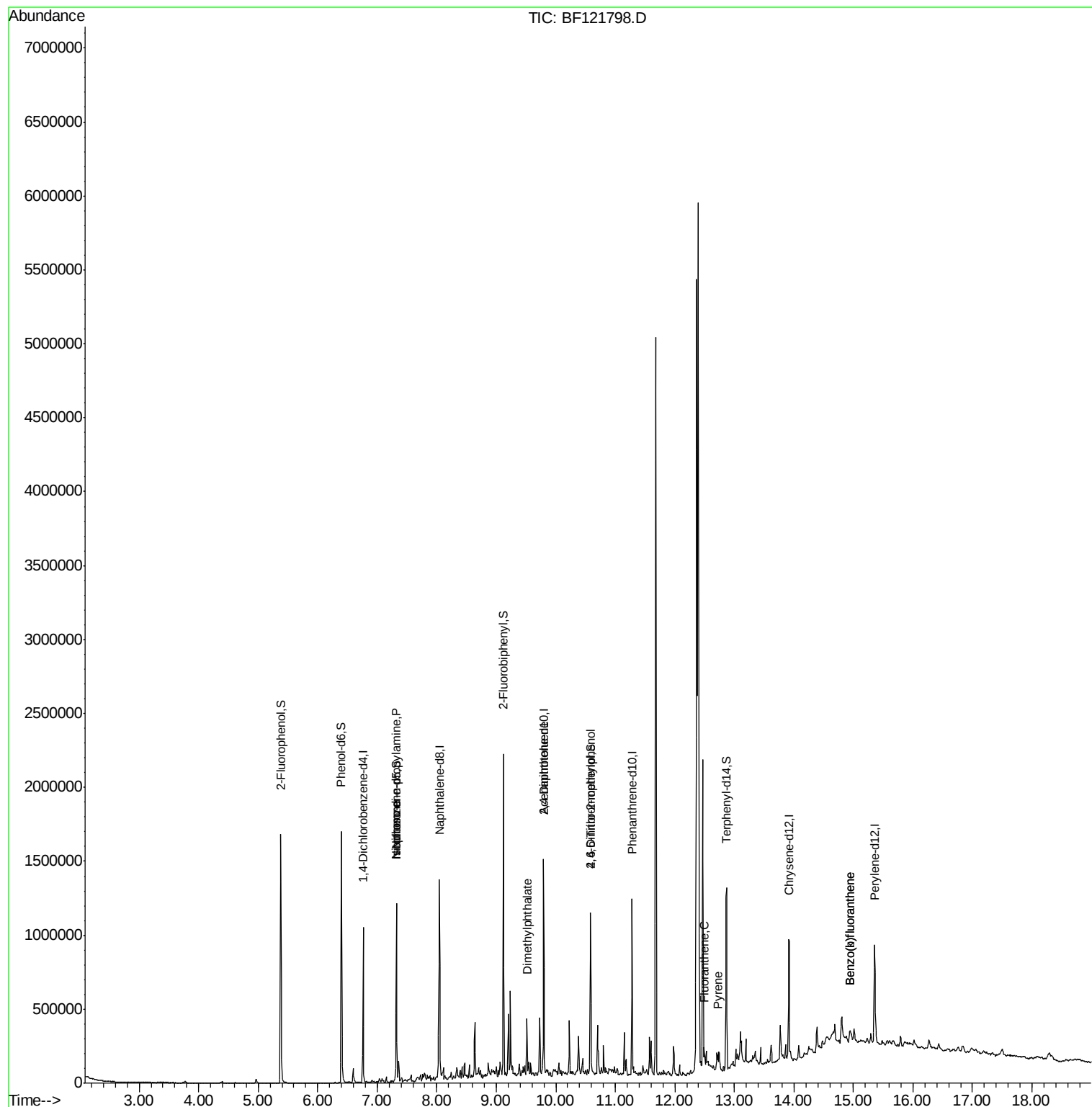
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	144779	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	541469	20.00	ng	-0.01
39) Acenaphthene-d10	9.80	164	254457	20.00	ng	-0.01
64) Phenanthrene-d10	11.28	188	391308	20.00	ng	-0.01
76) Chrysene-d12	13.92	240	280604	20.00	ng	-0.01
86) Perylene-d12	15.36	264	274443	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	450769	46.27	ng	0.00
7) Phenol-d6	6.40	99	573660	44.88	ng	-0.02
23) Nitrobenzene-d5	7.33	82	385687	38.24	ng	-0.01
42) 2,4,6-Tribromophenol	10.59	330	128023	40.48	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	621585	37.00	ng	-0.01
79) Terphenyl-d14	12.87	244	392128	28.31	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.33	70	50696	6.882	ng	# 76
25) Isophorone	7.33	82	385275	18.978	ng	# 67
50) Dimethylphthalate	9.52	163	102018	5.532	ng	# 99
57) 2,4-Dinitrotoluene	9.80	165	35109	7.105	ng	# 20
65) 4,6-Dinitro-2-methylphenol	10.59	198	136	6.901	ng	# 1
75) Fluoranthene	12.49	202	47944	2.107	ng	# 100
78) Pyrene	12.72	202	42784	2.087	ng	# 98
88) Benzo(b)fluoranthene	14.94	252	49636	2.705	ng	# 88
89) Benzo(k)fluoranthene	14.94	252	49636	2.954	ng	# 87

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

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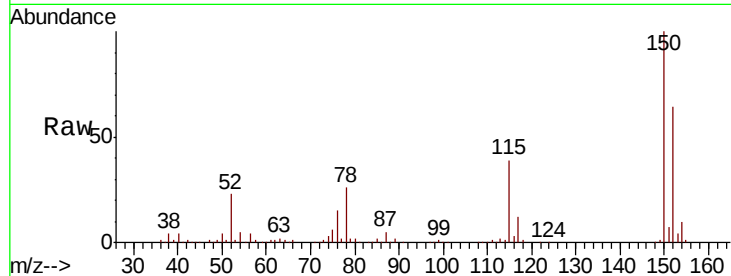


#1

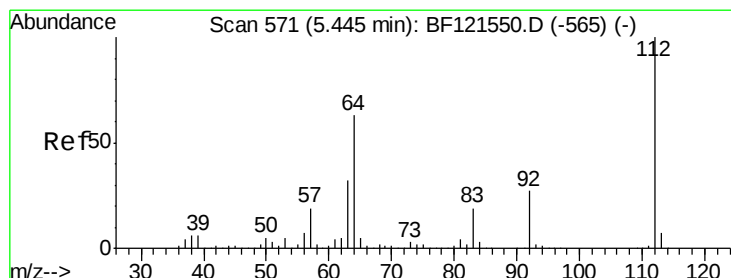
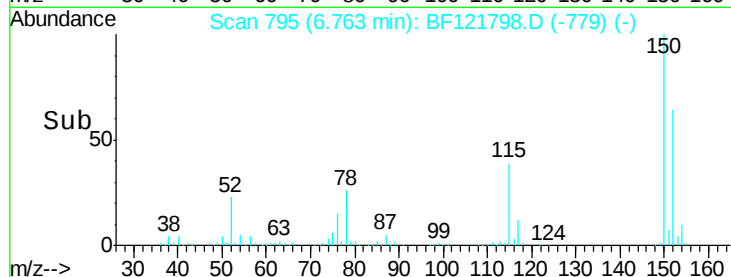
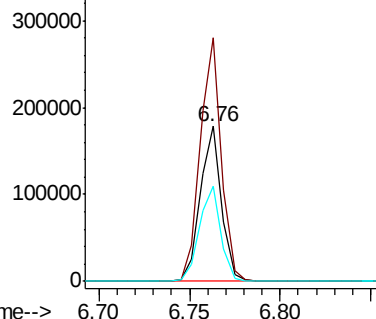
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.76 min Scan# 795
 Delta R.T. -0.01 min
 Lab File: BF121798.D
 Acq: 2 Oct 2020 17:13

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-093020

Tot Ion:152 Resp: 144779
 Ion Ratio Lower Upper
 152 100
 150 156.9 125.3 187.9
 115 61.3 51.9 77.9



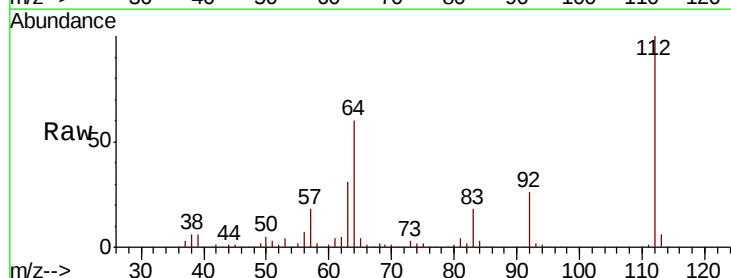
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



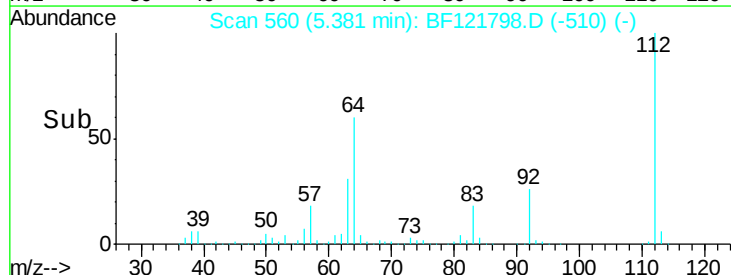
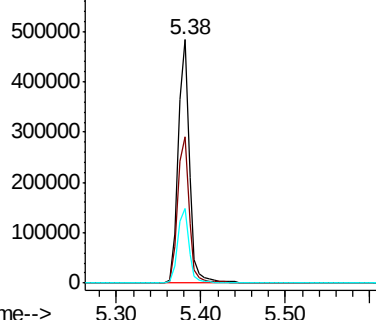
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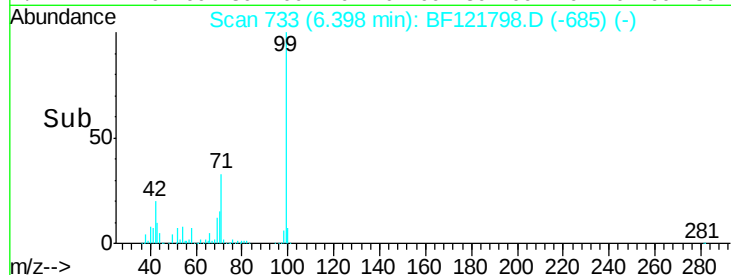
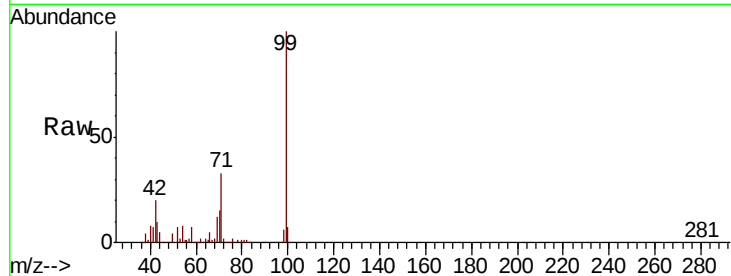
2-Fluorophenol
 Concen: 46.270 ng
 RT: 5.38 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: BF121798.D
 Acq: 2 Oct 2020 17:13

Tgt Ion:112 Resp: 450769
 Ion Ratio Lower Upper
 112 100
 64 60.2 50.4 75.6
 63 30.8 25.8 38.6



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: 44.884 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.02 min

Lab File: BF121798.D

Acq: 2 Oct 2020 17:13

Instrument :

BNA_F

ClientSampleId :

SU-03-093020

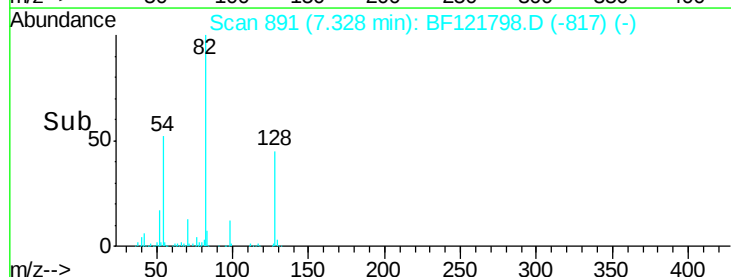
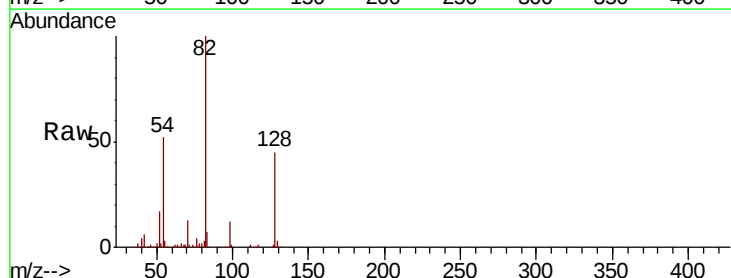
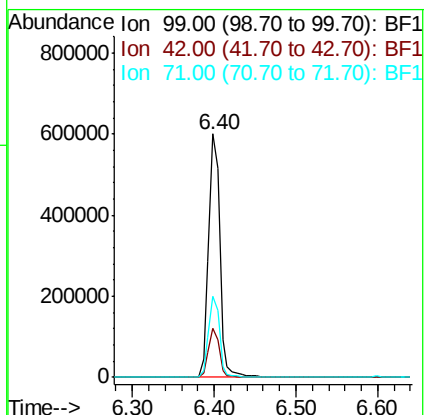
Tot Ion: 99 Resp: 573660

Ion Ratio Lower Upper

99 100

42 19.9 15.9 23.9

71 33.5 27.1 40.7



#19

n-Nitroso-di-n-propylamine

Concen: 6.882 ng

RT: 7.33 min Scan# 891

Delta R.T. 0.14 min

Lab File: BF121798.D

Acq: 2 Oct 2020 17:13

Tgt Ion: 70 Resp: 50696

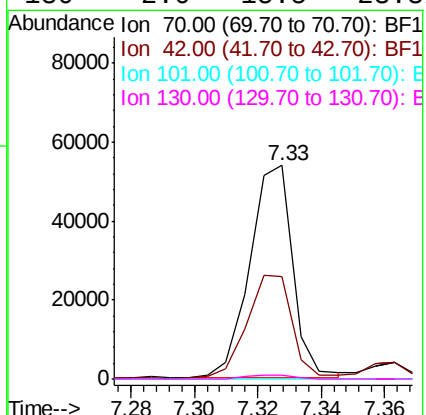
Ion Ratio Lower Upper

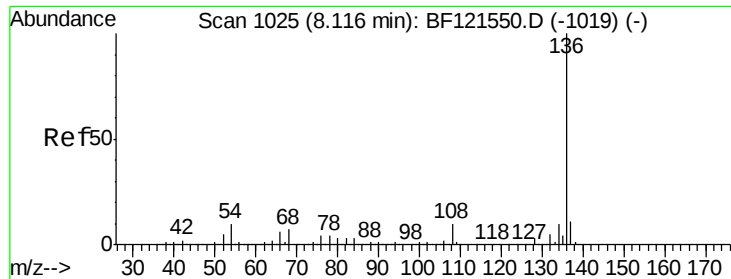
70 100

42 47.7 50.2 75.4#

101 0.0 7.5 11.3#

130 2.0 15.5 23.3#

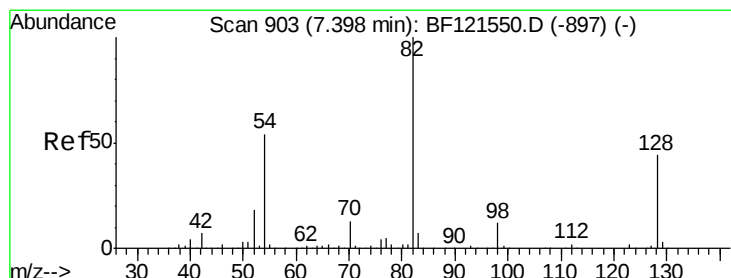
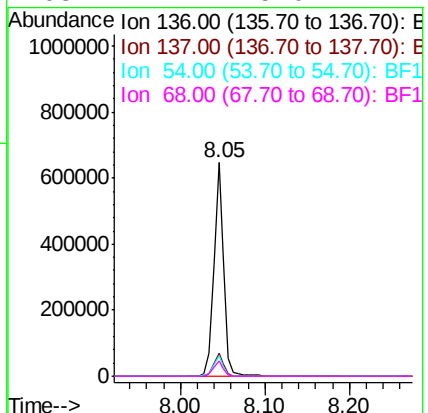
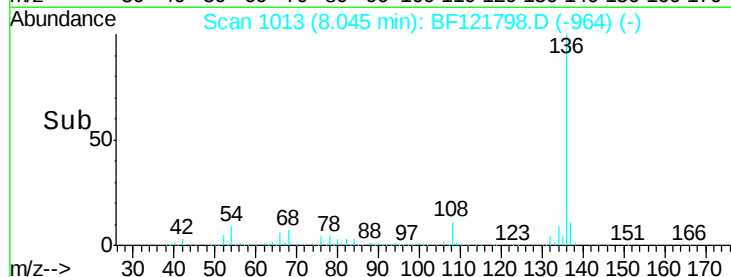
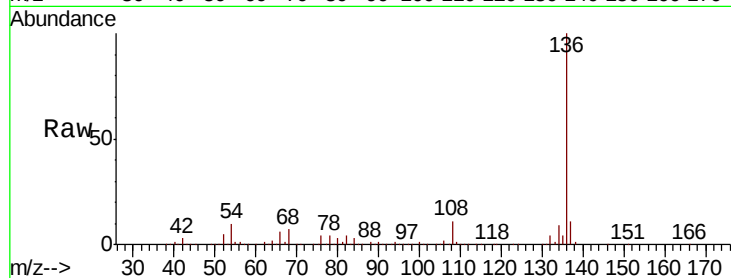




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BF121798.D
Acq: 2 Oct 2020 17:13

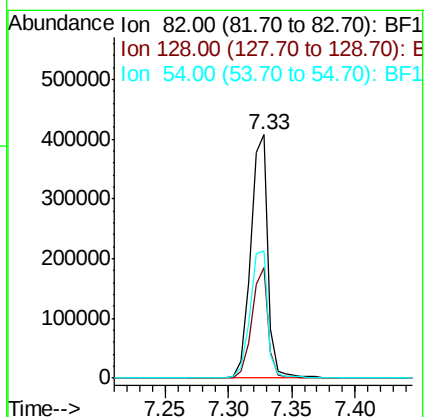
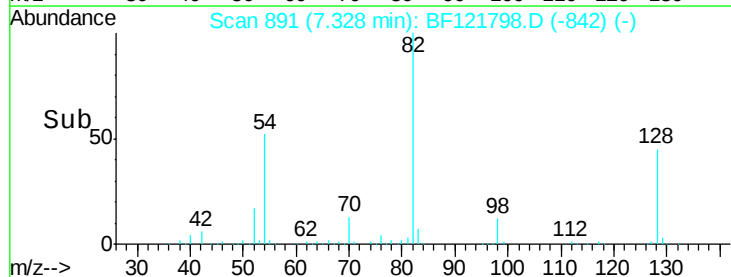
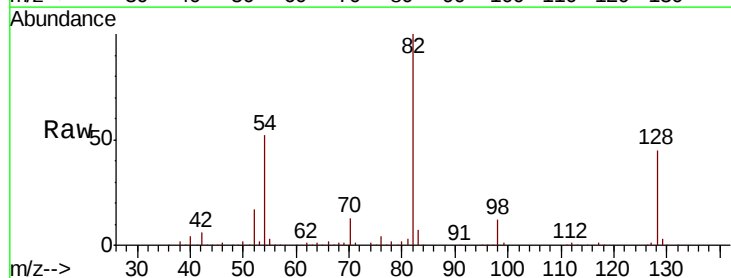
Instrument :
BNA_F
ClientSampleId :
SU-03-093020

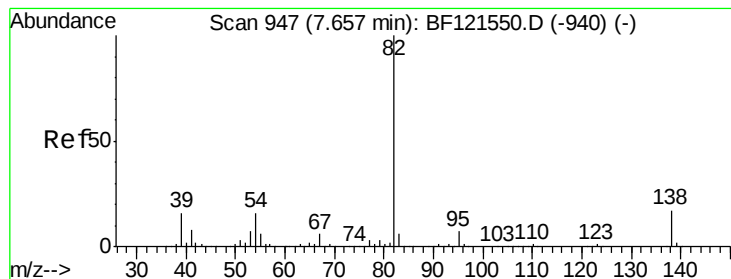
Tot Ion:136	Resp:	541469
Ion	Ratio	Lower Upper
136	100	
137	11.0	8.6 13.0
54	9.5	7.1 10.7
68	7.2	5.0 7.4



#23
Nitrobenzene-d5
Concen: 38.245 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF121798.D
Acq: 2 Oct 2020 17:13

Tgt Ion: 82	Resp:	385687
Ion	Ratio	Lower Upper
82	100	
128	45.5	35.0 52.4
54	52.0	43.9 65.9





#25

Isophorone

Concen: 18.978 ng

RT: 7.33 min Scan# 891

Delta R.T. -0.27 min

Lab File: BF121798.D

Acq: 2 Oct 2020 17:13

Instrument :

BNA_F

ClientSampleId :

SU-03-093020

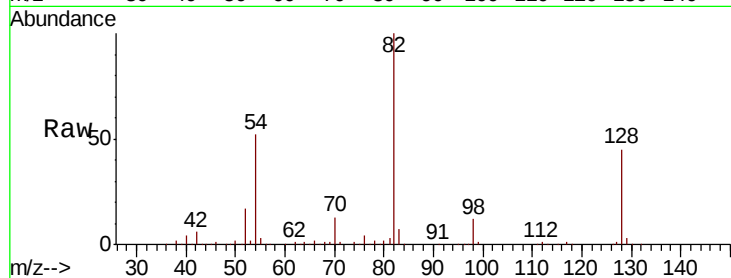
Tot Ion: 82 Resp: 385275

Ion Ratio Lower Upper

82 100

95 0.1 5.4 8.0#

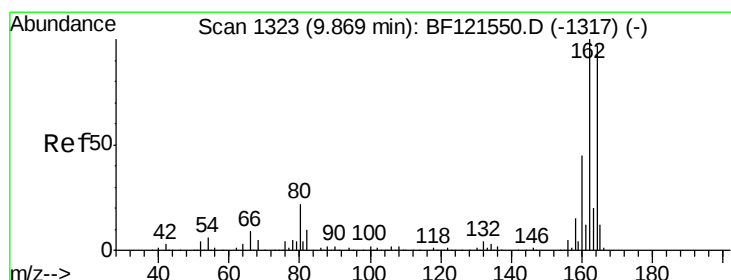
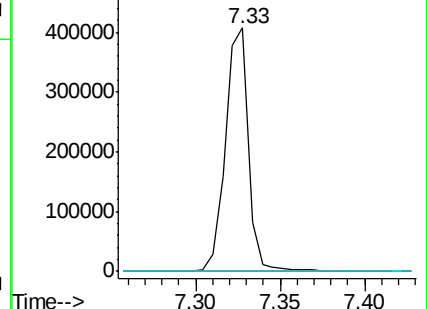
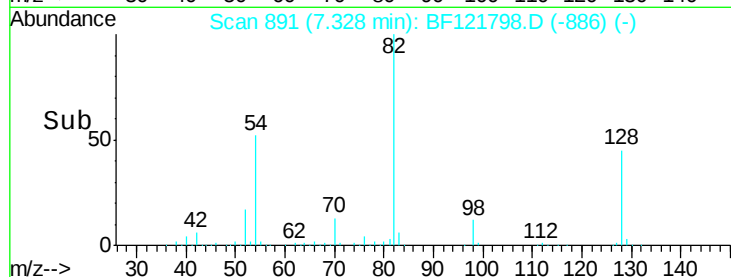
138 0.0 13.4 20.0#



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: 9.80 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF121798.D

Acq: 2 Oct 2020 17:13

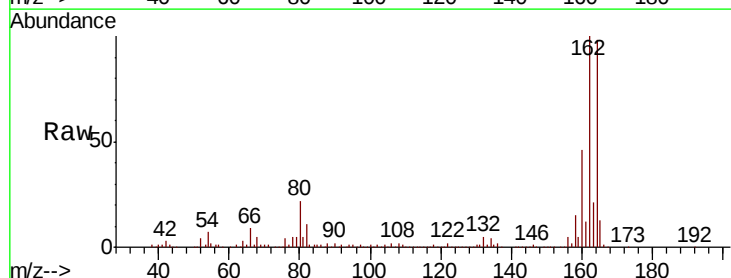
Tgt Ion:164 Resp: 254457

Ion Ratio Lower Upper

164 100

162 102.1 83.2 124.8

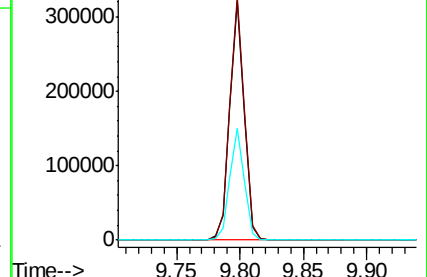
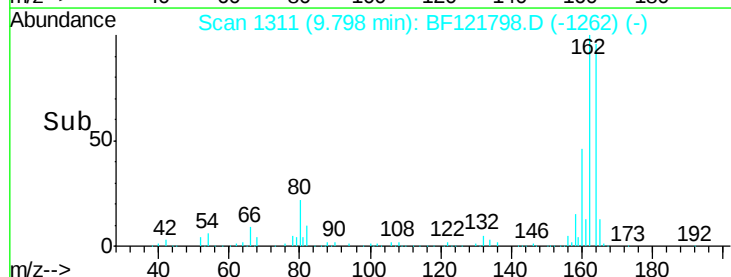
160 46.9 37.5 56.3

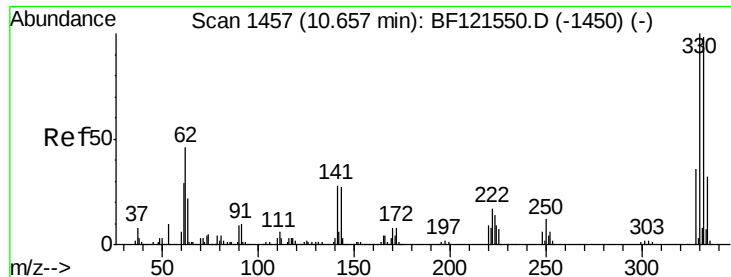


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

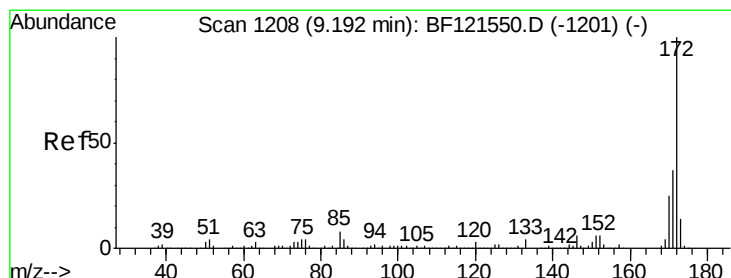
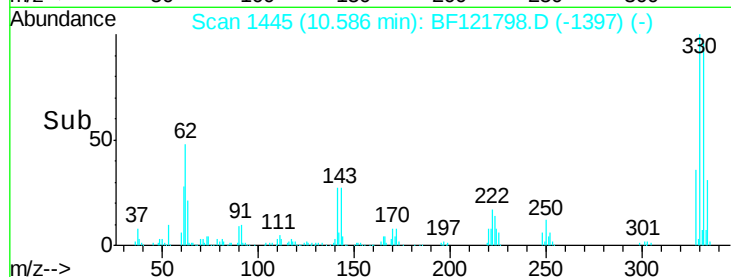
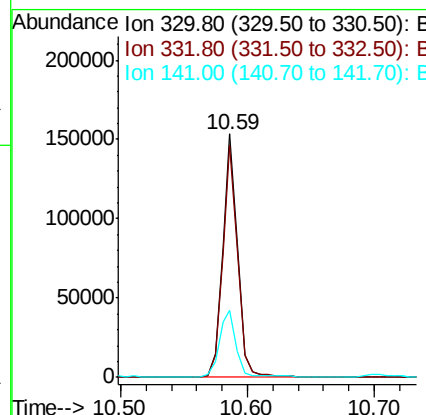
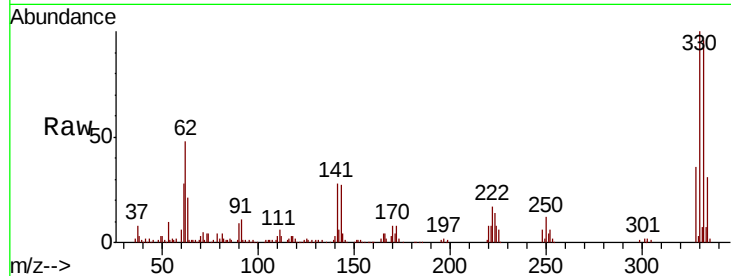




#42
 2,4,6-Tribromophenol
 Concen: 40.481 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. -0.02 min
 Lab File: BF121798.D
 Acq: 2 Oct 2020 17:13

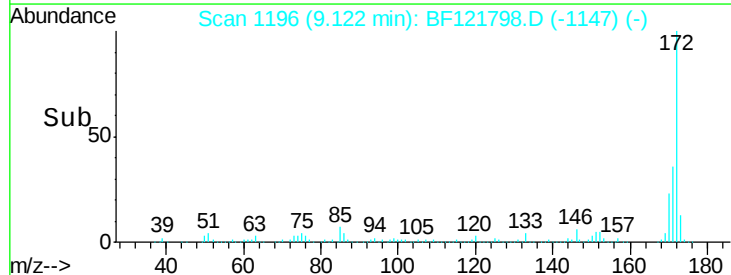
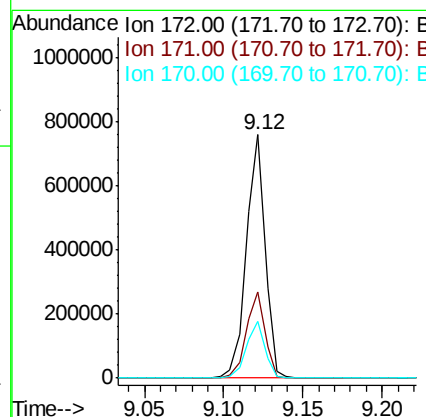
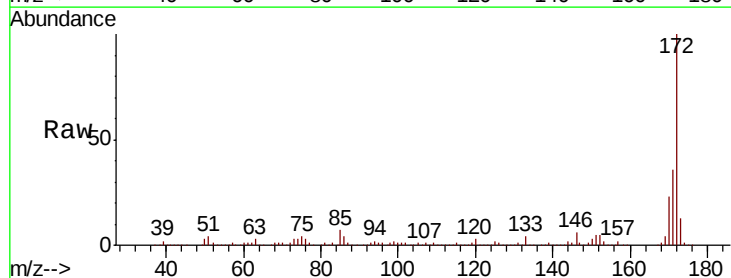
Instrument :
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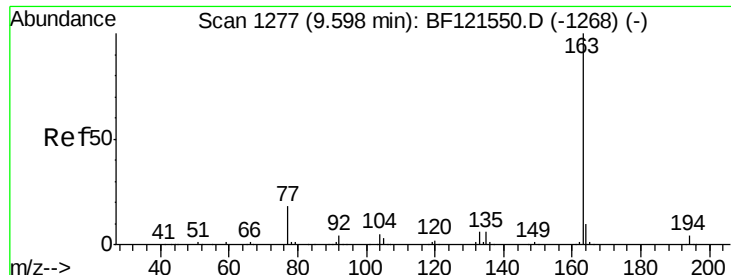
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.3	115.9
141	30.3	22.3	33.5



#45
 2-Fluorobiphenyl
 Concen: 36.997 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF121798.D
 Acq: 2 Oct 2020 17:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.1	43.7
170	23.4	19.8	29.6

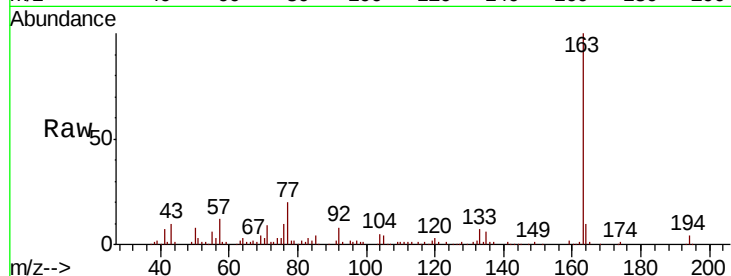




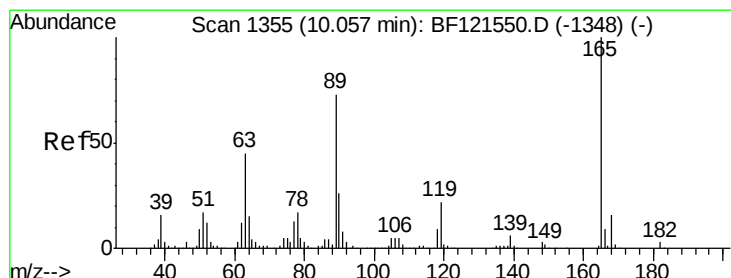
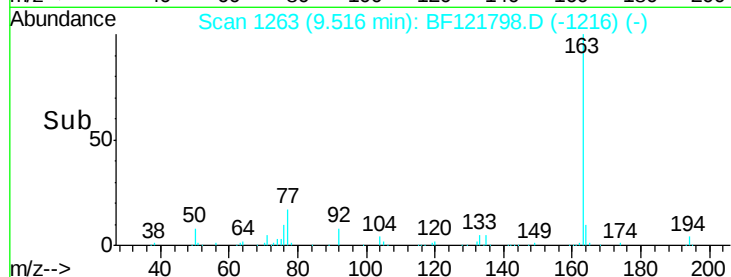
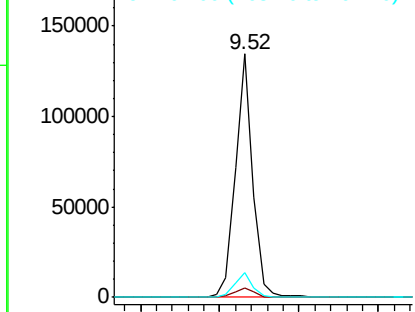
#50
Dimethylphthalate
Concen: 5.532 ng
RT: 9.52 min Scan# 1263
Delta R.T. -0.02 min
Lab File: BF121798.D
Acq: 2 Oct 2020 17:13

Instrument :
BNA_F
ClientSampleId :
SU-03-093020

Tot Ion:163 Resp: 102018
Ion Ratio Lower Upper
163 100
194 3.9 3.3 4.9
164 10.1 8.2 12.4

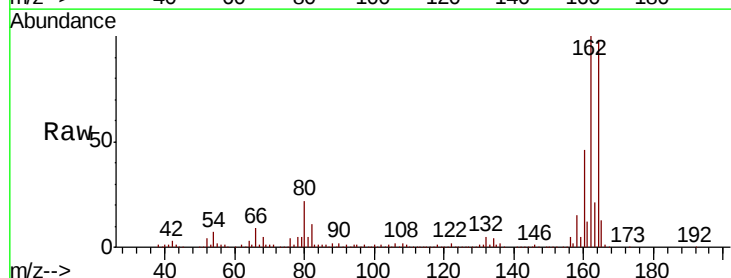


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

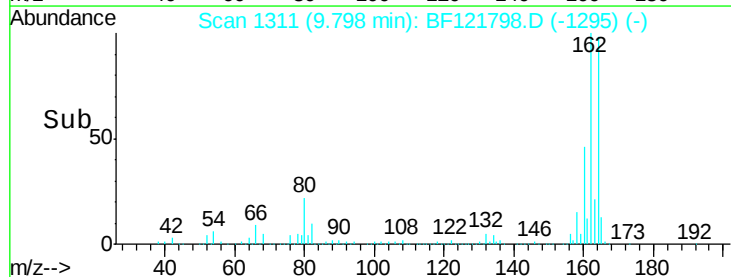
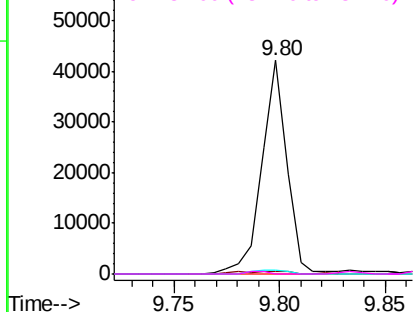


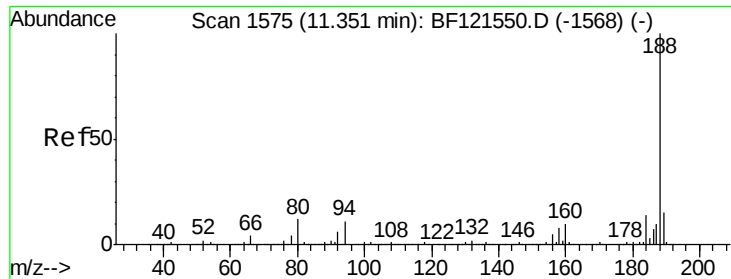
#57
2,4-Dinitrotoluene
Concen: 7.105 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.21 min
Lab File: BF121798.D
Acq: 2 Oct 2020 17:13

Tgt Ion:165 Resp: 35109
Ion Ratio Lower Upper
165 100
63 1.4 41.3 61.9#
89 1.7 61.8 92.8#
182 0.0 2.1 3.1#



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

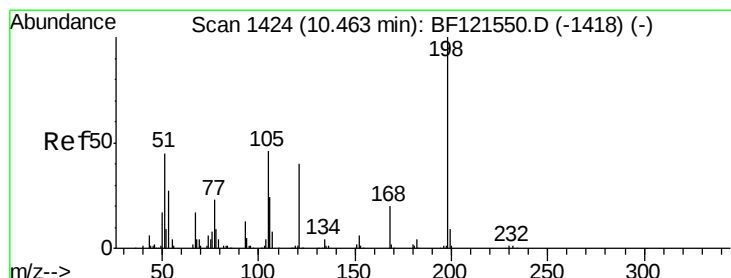
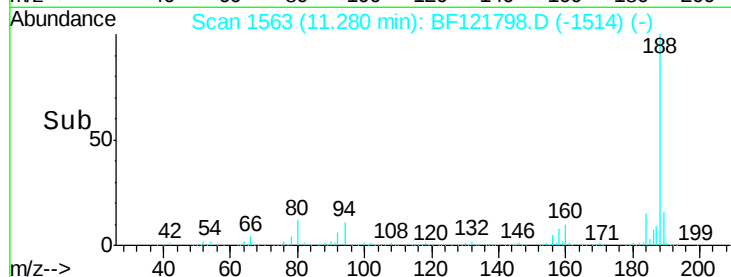
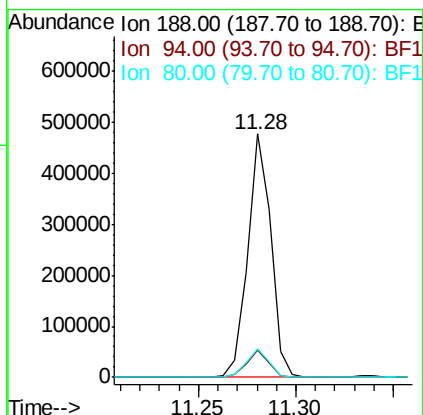
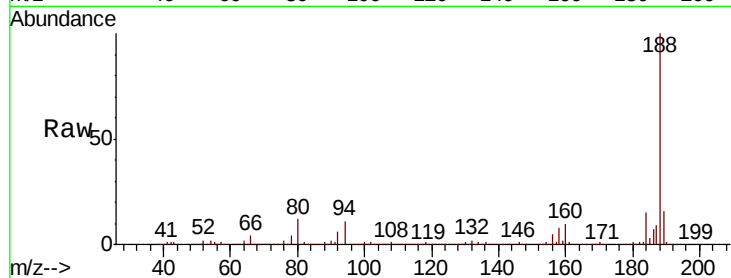




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.28 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BF121798.D
Acq: 2 Oct 2020 17:13

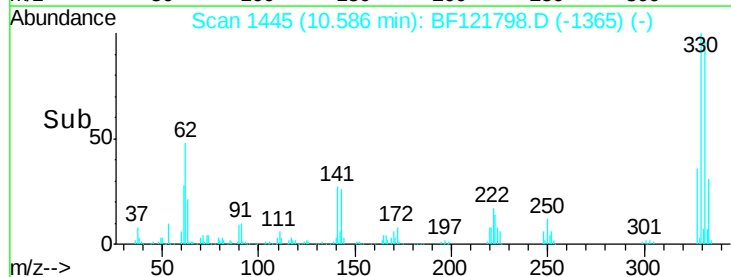
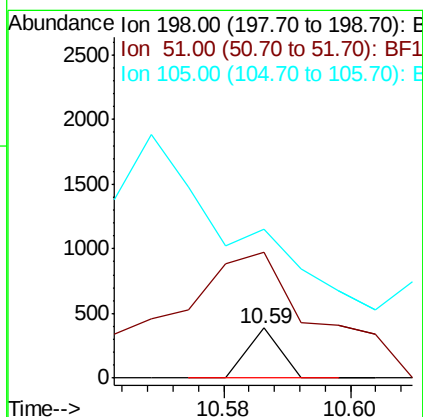
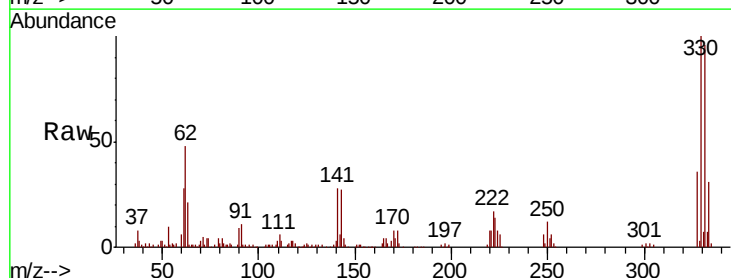
Instrument :
BNA_F
ClientSampleId :
SU-03-093020

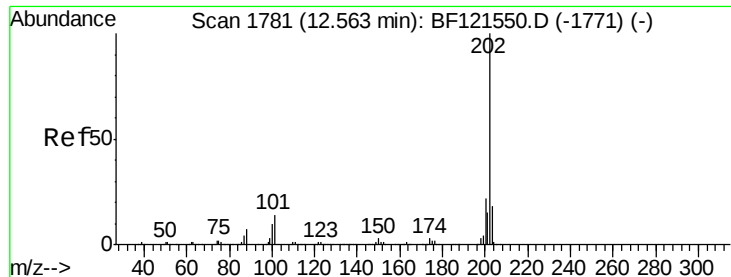
Tot Ion:188 Resp: 391308
Ion Ratio Lower Upper
188 100
94 11.1 8.3 12.5
80 11.9 9.1 13.7



#65
4,6-Dinitro-2-methylphenol
Concen: 6.901 ng
RT: 10.59 min Scan# 1445
Delta R.T. 0.17 min
Lab File: BF121798.D
Acq: 2 Oct 2020 17:13

Tgt Ion:198 Resp: 136
Ion Ratio Lower Upper
198 100
51 252.1 29.6 69.6#
105 298.2 24.4 64.4#





#75

Fluoranthene

Concen: 2.107 ng

RT: 12.49 min Scan# 1769

Delta R.T. -0.01 min

Lab File: BF121798.D

Acq: 2 Oct 2020 17:13

Instrument :

BNA_F

ClientSampleId :

SU-03-093020

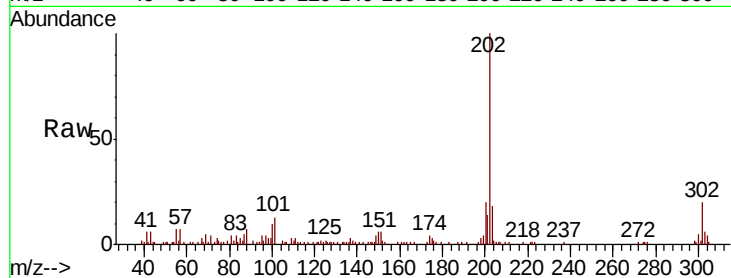
Tot Ion:202 Resp: 47944

Ion Ratio Lower Upper

202 100

101 13.0 0.0 33.4

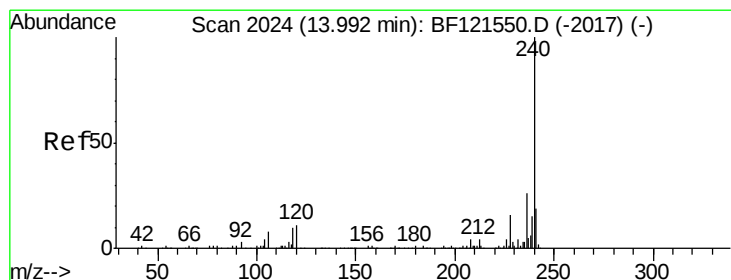
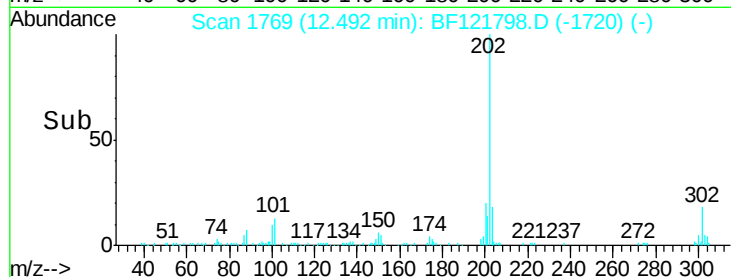
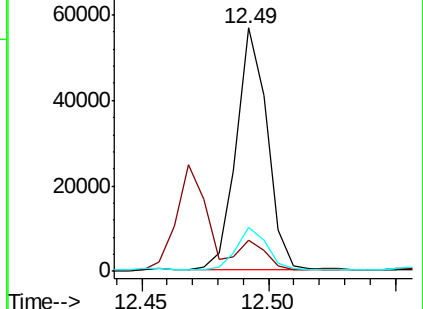
203 17.9 0.0 37.9



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: 13.92 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF121798.D

Acq: 2 Oct 2020 17:13

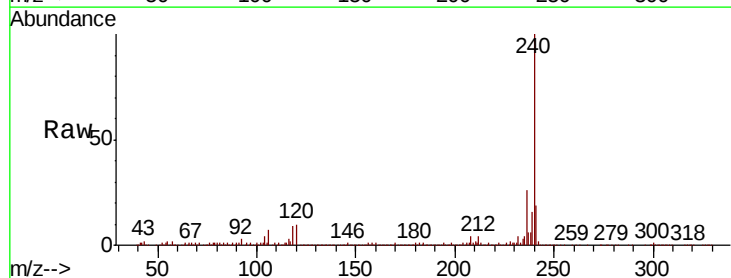
Tgt Ion:240 Resp: 280604

Ion Ratio Lower Upper

240 100

120 10.1 9.2 13.8

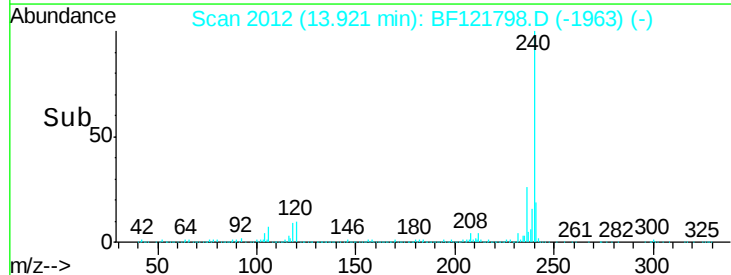
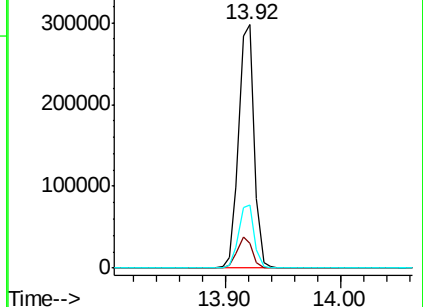
236 25.9 20.9 31.3

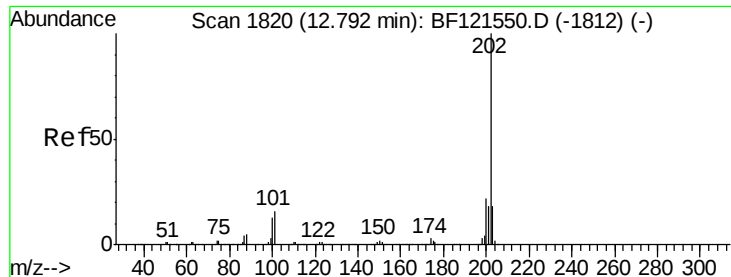


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 2.087 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.01 min

Lab File: BF121798.D

Acq: 2 Oct 2020 17:13

Instrument :

BNA_F

ClientSampleId :

SU-03-093020

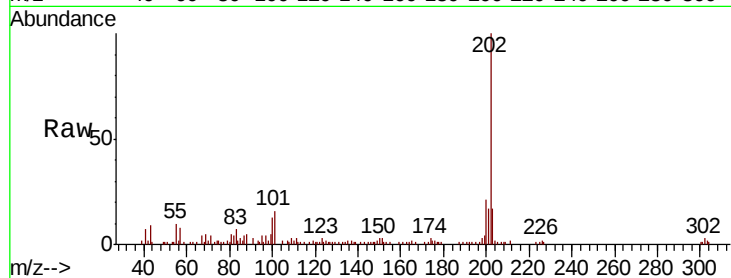
Tot Ion:202 Resp: 42784

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

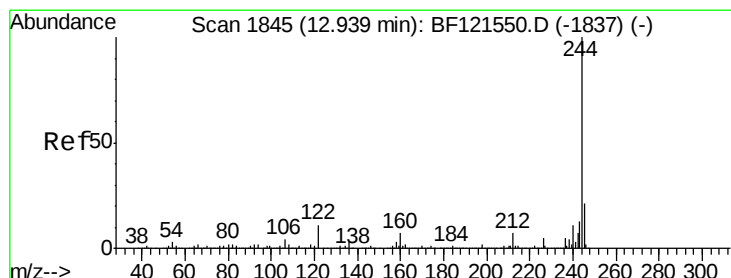
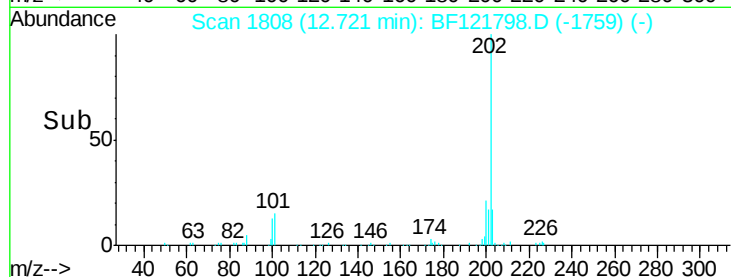
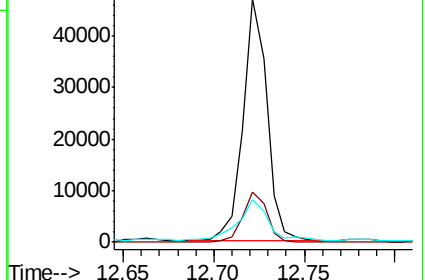
203 17.5 14.6 21.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 28.311 ng

RT: 12.87 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BF121798.D

Acq: 2 Oct 2020 17:13

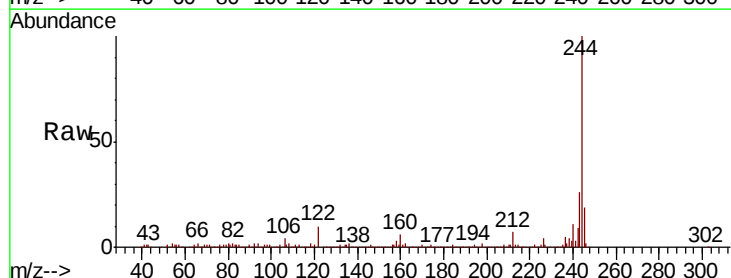
Tgt Ion:244 Resp: 392128

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.2

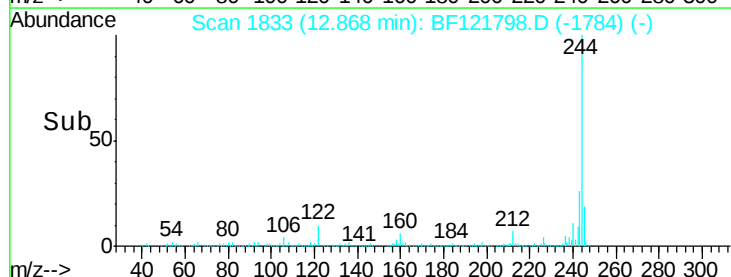
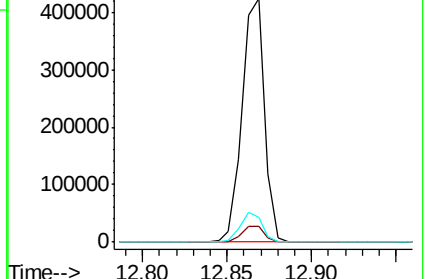
122 10.4 8.1 12.1

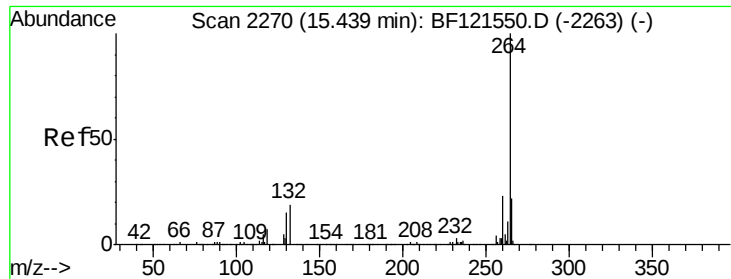


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

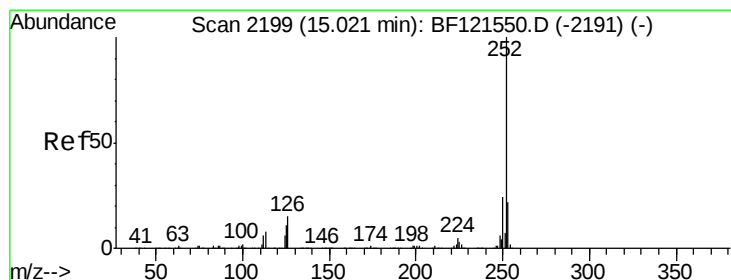
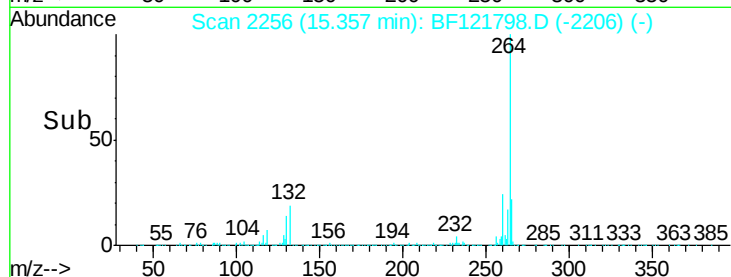
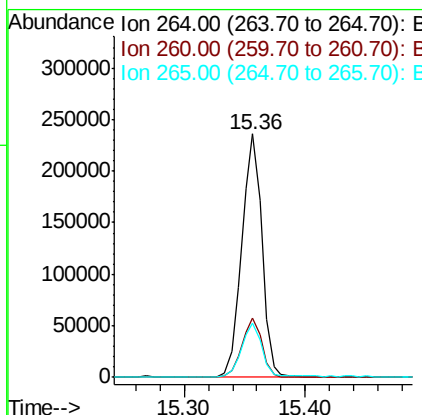
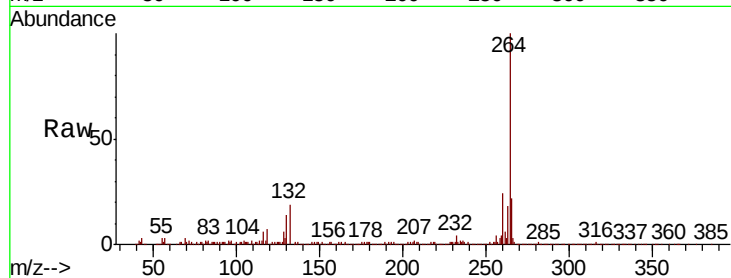




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BF121798.D
Acq: 2 Oct 2020 17:13

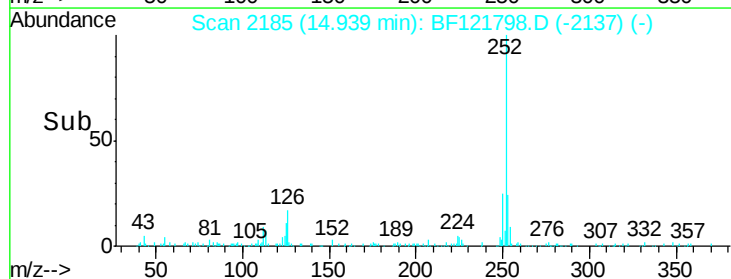
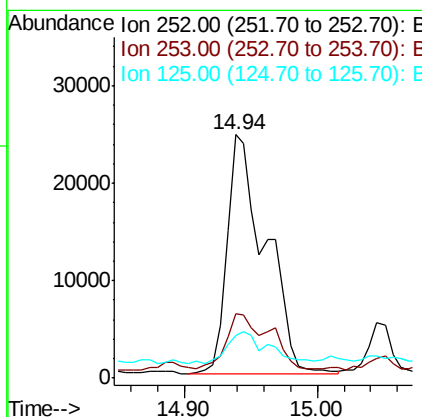
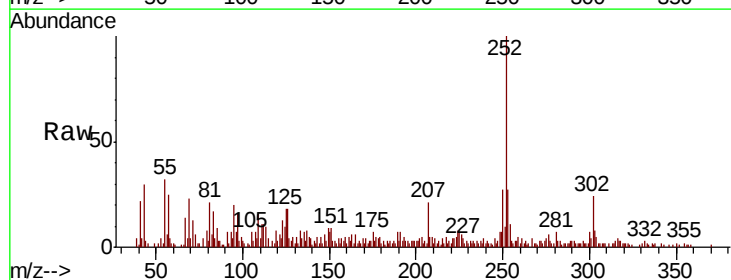
Instrument :
BNA_F
ClientSampleId :
SU-03-093020

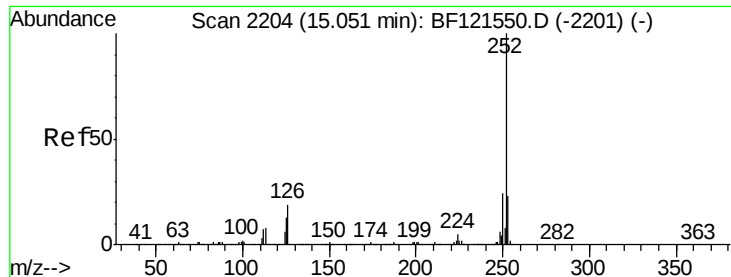
Tot Ion:264 Resp: 274443
Ion Ratio Lower Upper
264 100
260 24.5 18.7 28.1
265 22.4 17.3 25.9



#88
Benzo(b)fluoranthene
Concen: 2.705 ng
RT: 14.94 min Scan# 2185
Delta R.T. -0.02 min
Lab File: BF121798.D
Acq: 2 Oct 2020 17:13

Tgt Ion:252 Resp: 49636
Ion Ratio Lower Upper
252 100
253 26.6 18.2 27.2
125 17.6 8.0 12.0#





#89

Benzo(k)fluoranthene

Concen: 2.954 ng

RT: 14.94 min Scan# 2185

Delta R.T. -0.05 min

Lab File: BF121798.D

Acq: 2 Oct 2020 17:13

Instrument :

BNA_F

ClientSampleId :

SU-03-093020

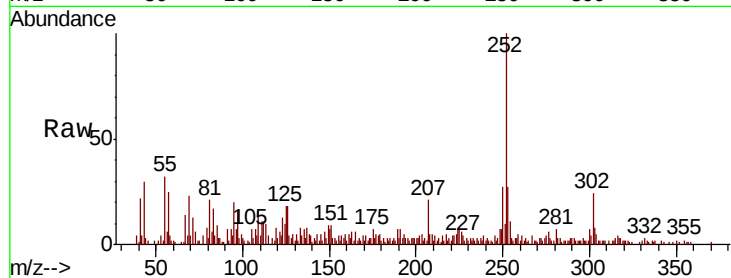
Tot Ion:252 Resp: 49636

Ion Ratio Lower Upper

252 100

253 26.6 17.8 26.6

125 17.6 7.7 11.5#



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

