

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012522\
 Data File : BF126674.D
 Acq On : 25 Jan 2022 20:04
 Operator : CG/JU
 Sample : N1245-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-2(0.5-1)

Quant Time: Jan 26 00:23:04 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 19 07:04:14 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

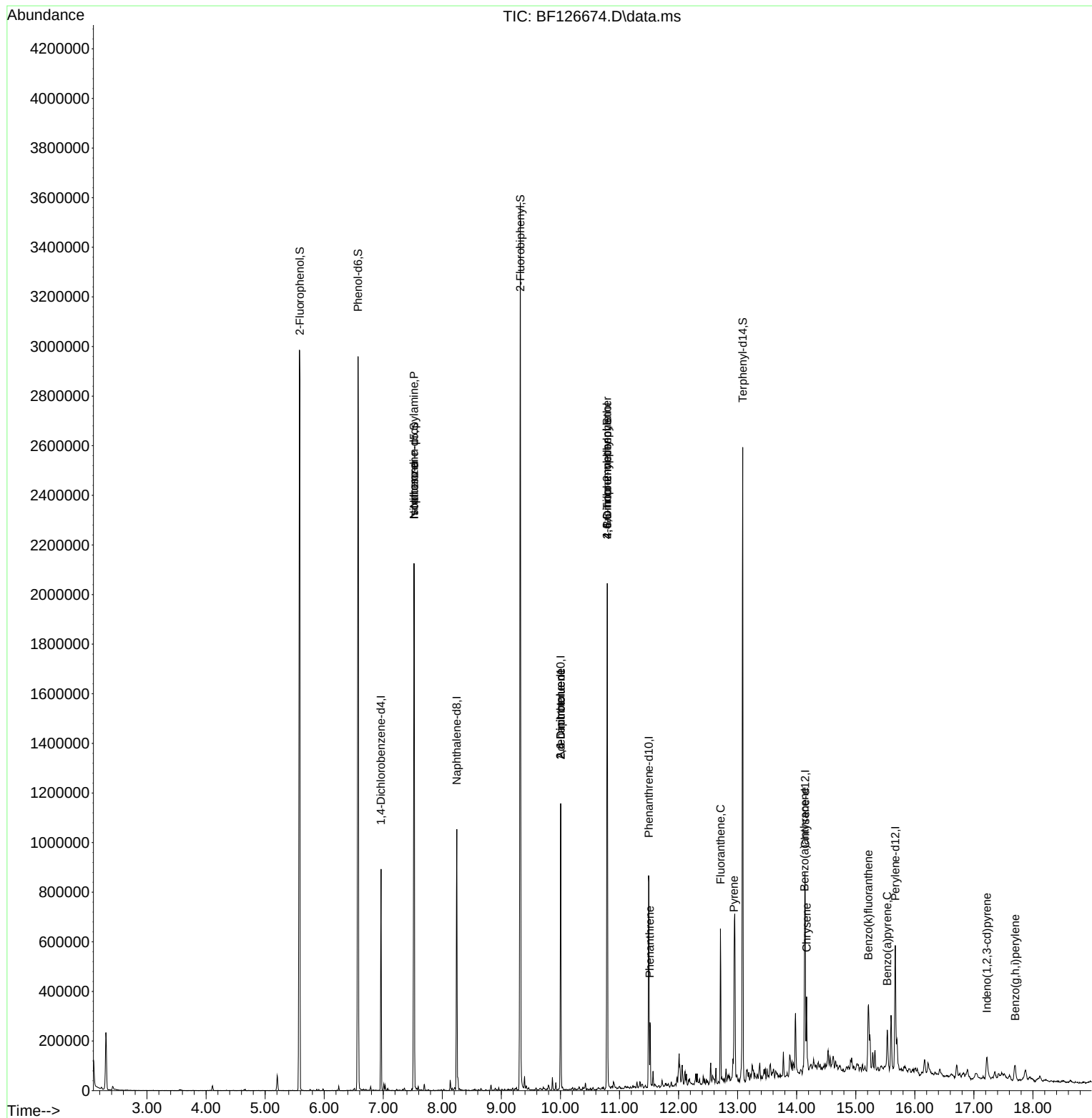
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	106824	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	400213	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	207572	20.000	ng	0.00
64) Phenanthrene-d10	11.498	188	302207	20.000	ng	0.00
76) Chrysene-d12	14.145	240	221363	20.000	ng	# 0.00
86) Perylene-d12	15.668	264	220473	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	841249	103.628	ng	0.00
7) Phenol-d6	6.575	99	1132304	100.391	ng	0.00
23) Nitrobenzene-d5	7.522	82	842268	82.374	ng	-0.01
42) 2,4,6-Tribromophenol	10.792	330	197395	101.616	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	998175	73.647	ng	0.00
79) Terphenyl-d14	13.086	244	770774	58.401	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.516	77	1647	Below Cal	#	76
19) n-Nitroso-di-n-propyla...	7.522	70	114016	13.851	ng	# 69
25) Isophorone	7.522	82	842257	42.475	ng	# 69
51) 2,6-Dinitrotoluene	10.004	165	26939	10.589	ng	# 22
57) 2,4-Dinitrotoluene	10.004	165	26939	8.739	ng	# 16
65) 4,6-Dinitro-2-methylph...	10.792	198	368	7.587	ng	# 1
67) 4-Bromophenyl-phenylether	10.792	248	12815	3.679	ng	# 1
71) Phenanthrene	11.516	178	87151	5.048	ng	99
75) Fluoranthene	12.710	202	214530	12.580	ng	98
78) Pyrene	12.939	202	179507	10.028	ng	99
81) Benzo(a)anthracene	14.133	228	108582	7.217	ng	95
83) Chrysene	14.168	228	98741	6.820	ng	97
87) Indeno(1,2,3-cd)pyrene	17.221	276	59691	4.382	ng	# 88
89) Benzo(k)fluoranthene	15.215	252	202280	14.091	ng	# 93
90) Benzo(a)pyrene	15.533	252	72306	6.078	ng	98
92) Benzo(g,h,i)perylene	17.698	276	52627	4.756	ng	# 86

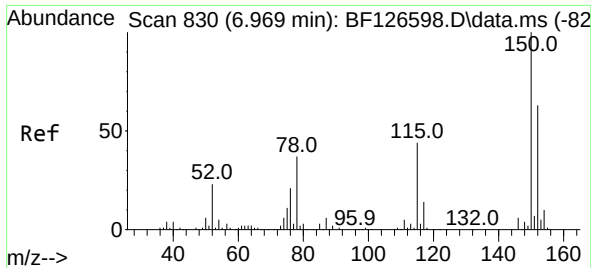
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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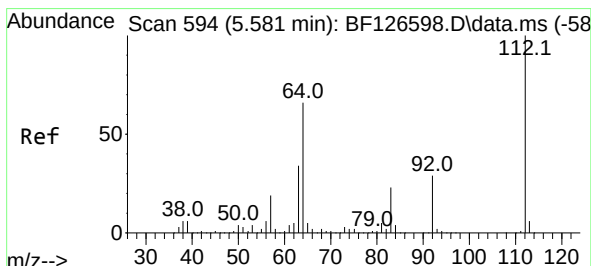
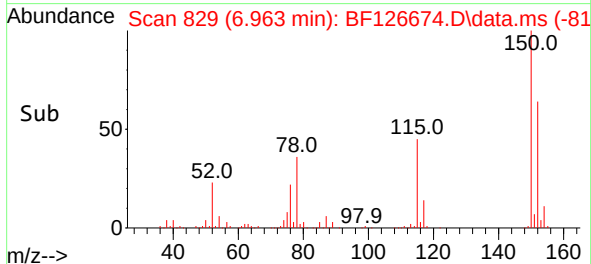
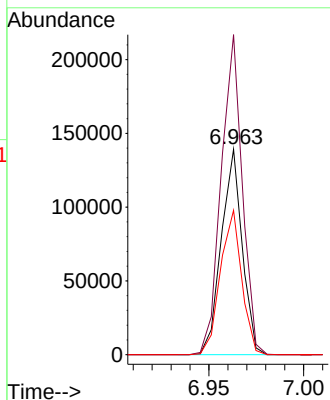
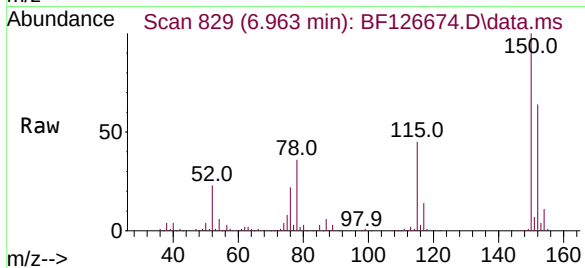




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF126674.D
Acq: 25 Jan 2022 20:04

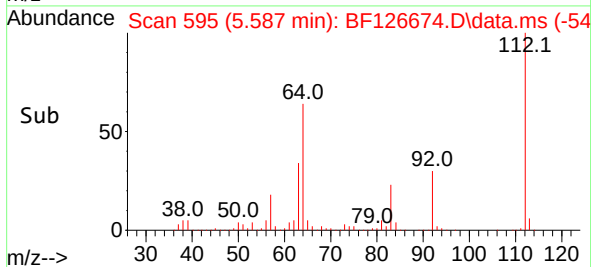
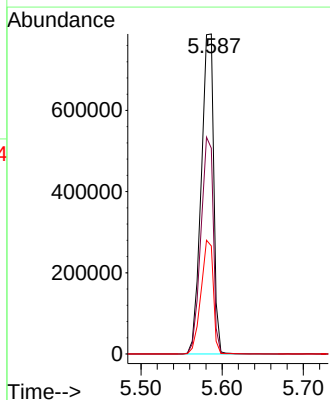
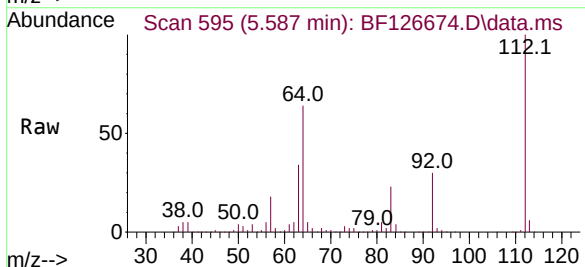
Instrument :
BNA_F
ClientSampleId :
SB-2(0.5-1)

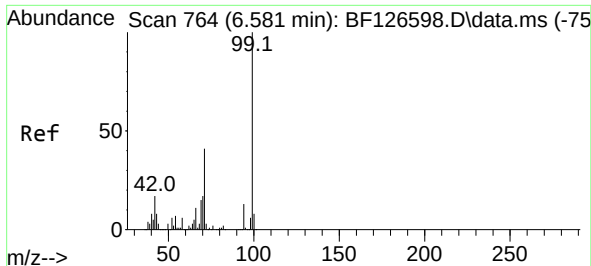
Tgt Ion:152 Resp: 106824
Ion Ratio Lower Upper
152 100
150 155.7 128.1 192.1
115 70.3 56.7 85.1



#5
2-Fluorophenol
Concen: 103.628 ng
RT: 5.587 min Scan# 595
Delta R.T. 0.006 min
Lab File: BF126674.D
Acq: 25 Jan 2022 20:04

Tgt Ion:112 Resp: 841249
Ion Ratio Lower Upper
112 100
64 64.3 49.5 74.3
63 33.8 23.9 35.9

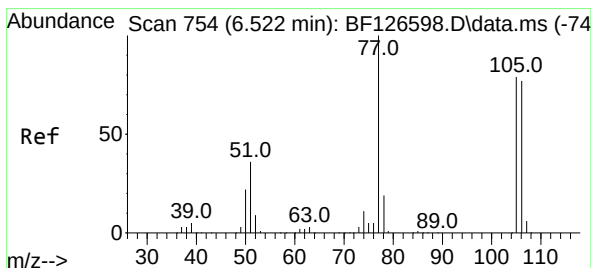
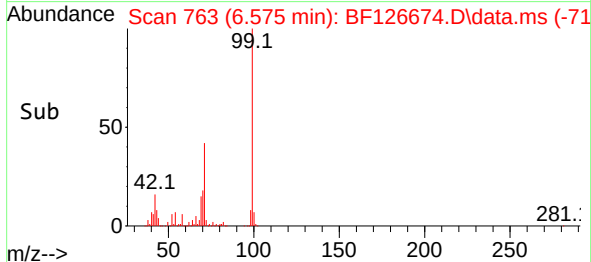
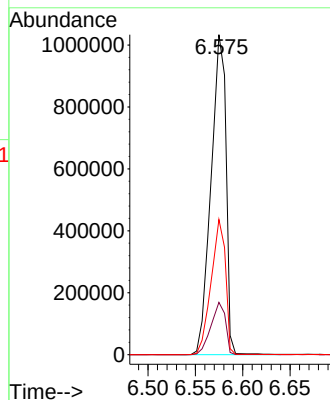
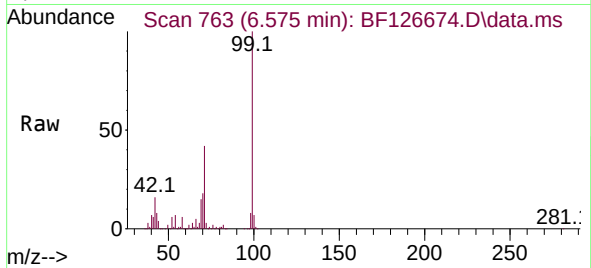




#7
Phenol-d6
Concen: 100.391 ng
RT: 6.575 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF126674.D
Acq: 25 Jan 2022 20:04

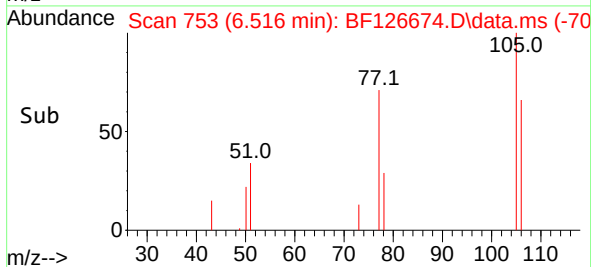
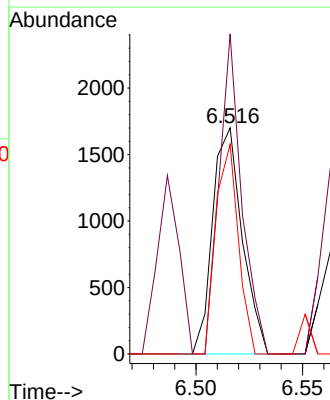
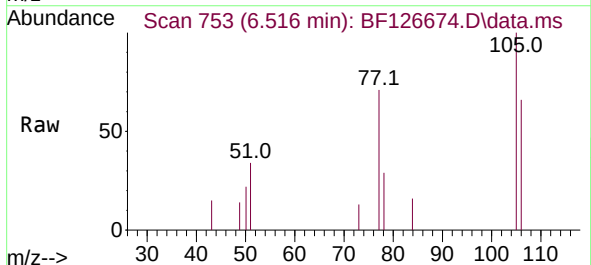
Instrument :
BNA_F
ClientSampleId :
SB-2(0.5-1)

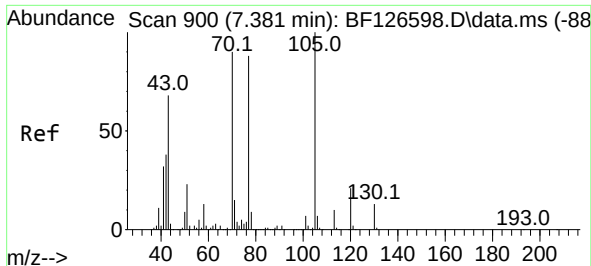
Tgt Ion: 99 Resp: 1132304
Ion Ratio Lower Upper
99 100
42 16.3 14.2 21.4
71 42.3 24.3 36.5#



#9
Benzaldehyde
Concen: Below Cal
RT: 6.516 min Scan# 753
Delta R.T. -0.006 min
Lab File: BF126674.D
Acq: 25 Jan 2022 20:04

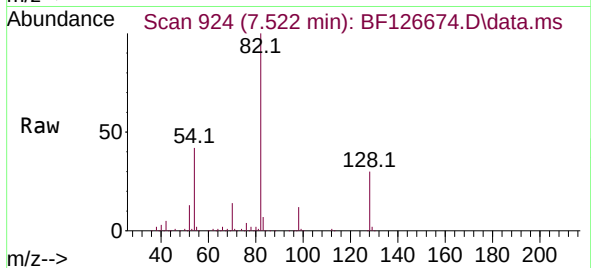
Tgt Ion: 77 Resp: 1647
Ion Ratio Lower Upper
77 100
105 141.5 74.9 114.9#
106 92.7 72.4 112.4



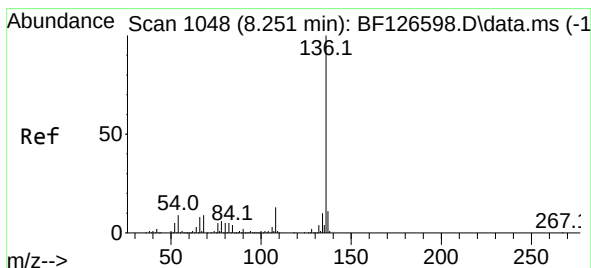
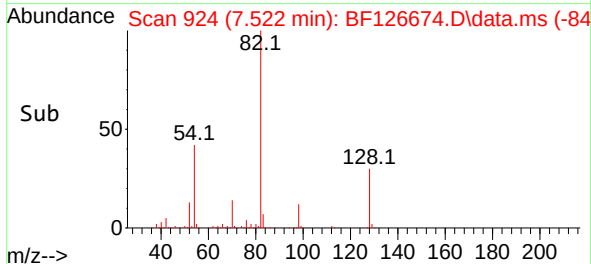
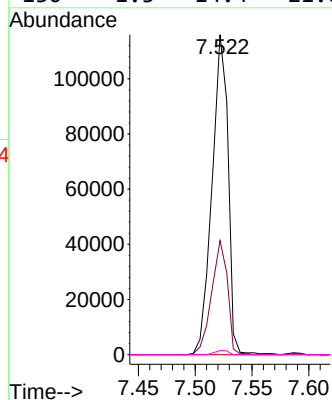


#19
n-Nitroso-di-n-propylamine
Concen: 13.851 ng
RT: 7.522 min Scan# 91
Delta R.T. 0.141 min
Lab File: BF126674.D
Acq: 25 Jan 2022 20:04

Instrument :
BNA_F
ClientSampleId :
SB-2(0.5-1)

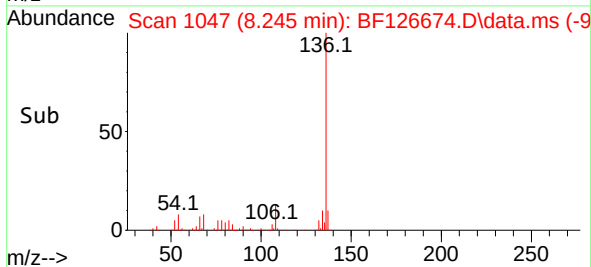
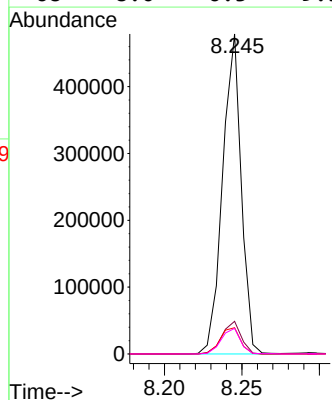
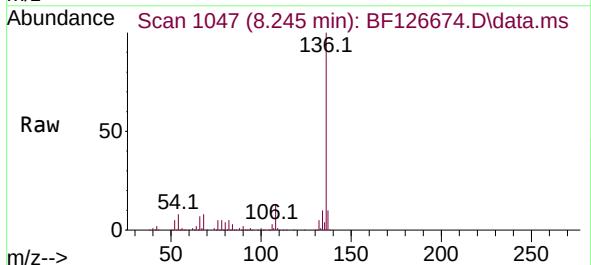


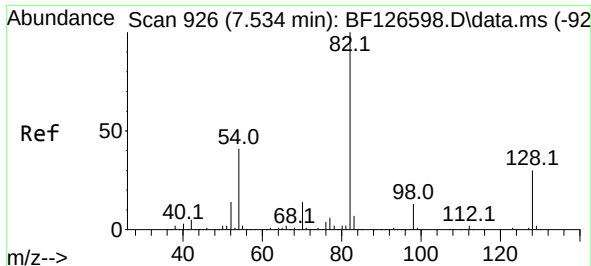
Tgt Ion: 70 Resp: 114016
Ion Ratio Lower Upper
70 100
42 35.7 45.8 68.8#
101 0.0 6.9 10.3#
130 1.3 14.4 21.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1047
Delta R.T. -0.006 min
Lab File: BF126674.D
Acq: 25 Jan 2022 20:04

Tgt Ion: 136 Resp: 400213
Ion Ratio Lower Upper
136 100
137 10.2 8.6 13.0
54 8.2 7.8 11.6
68 8.0 6.3 9.5





#23

Nitrobenzene-d5

Concen: 82.374 ng

RT: 7.522 min Scan# 91

Delta R.T. -0.012 min

Lab File: BF126674.D

Acq: 25 Jan 2022 20:04

Instrument :

BNA_F

ClientSampleId :

SB-2(0.5-1)

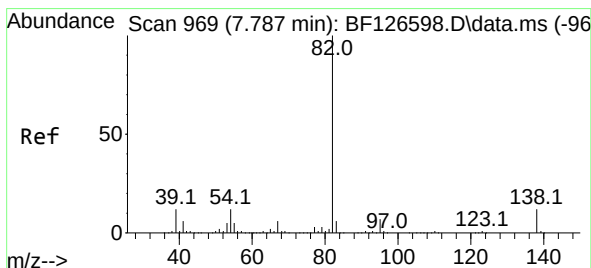
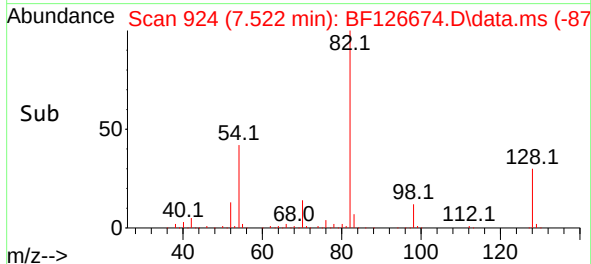
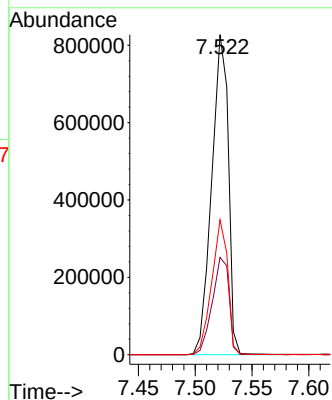
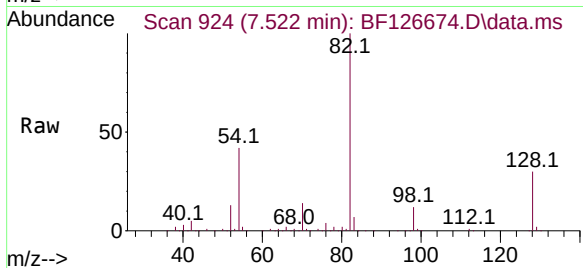
Tgt Ion: 82 Resp: 842268

Ion Ratio Lower Upper

82 100

128 30.4 32.7 49.1#

54 42.2 41.7 62.5



#25

Isophorone

Concen: 42.475 ng

RT: 7.522 min Scan# 924

Delta R.T. -0.265 min

Lab File: BF126674.D

Acq: 25 Jan 2022 20:04

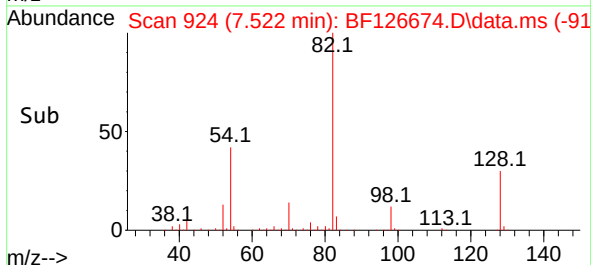
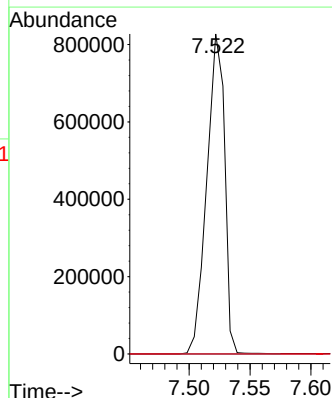
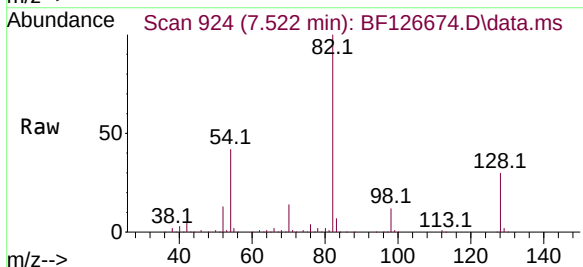
Tgt Ion: 82 Resp: 842257

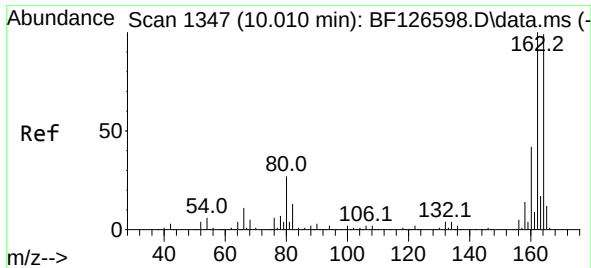
Ion Ratio Lower Upper

82 100

95 0.0 5.0 7.4#

138 0.0 12.3 18.5#

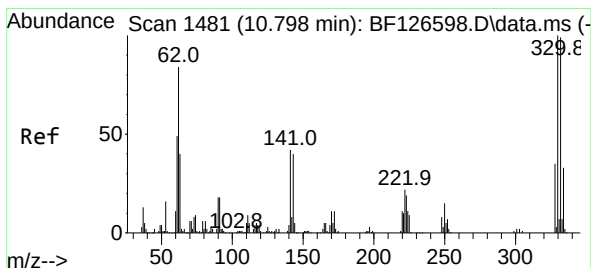
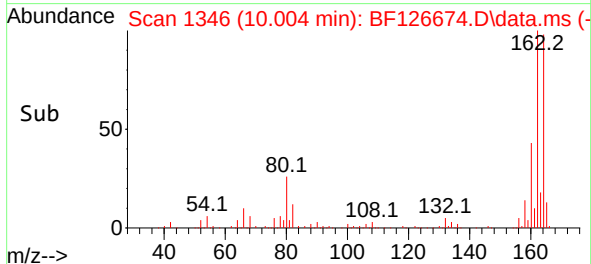
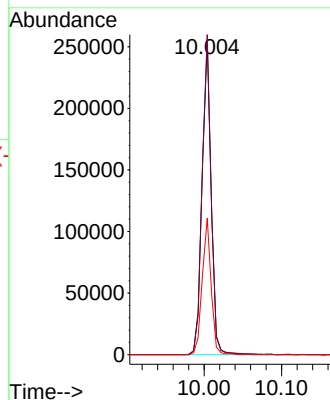
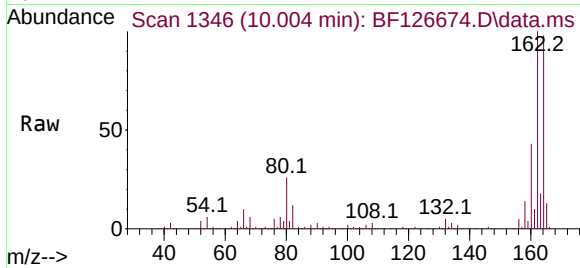




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126674.D
Acq: 25 Jan 2022 20:04

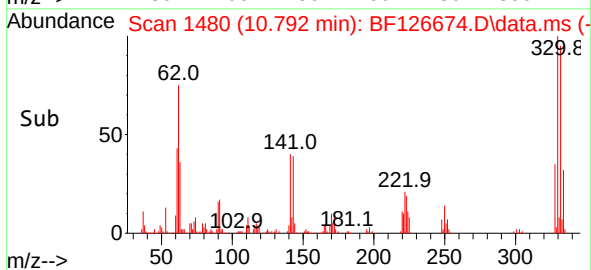
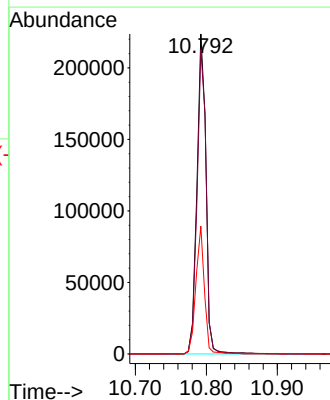
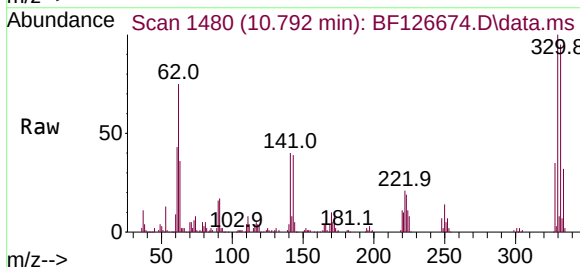
Instrument :
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SB-2(0.5-1)

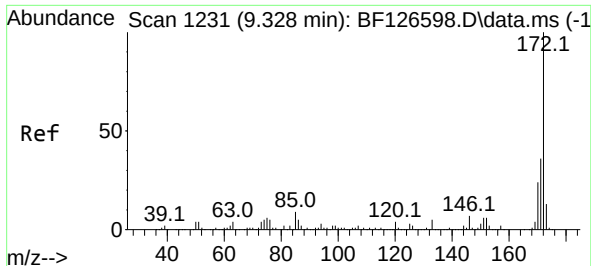
Tgt Ion:164 Resp: 207572
Ion Ratio Lower Upper
164 100
162 102.3 81.4 122.0
160 43.6 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 101.616 ng
RT: 10.792 min Scan# 1480
Delta R.T. -0.006 min
Lab File: BF126674.D
Acq: 25 Jan 2022 20:04

Tgt Ion:330 Resp: 197395
Ion Ratio Lower Upper
330 100
332 96.8 76.0 114.0
141 38.0 30.1 45.1





#45

2-Fluorobiphenyl

Concen: 73.647 ng

RT: 9.322 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF126674.D

Acq: 25 Jan 2022 20:04

Instrument :

BNA_F

ClientSampleId :

SB-2(0.5-1)

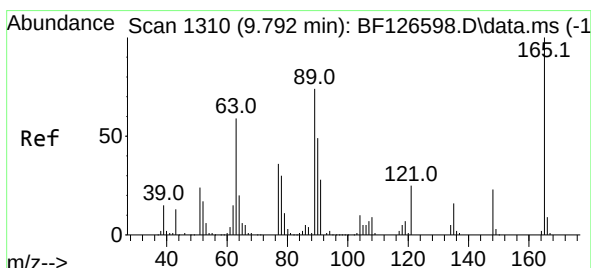
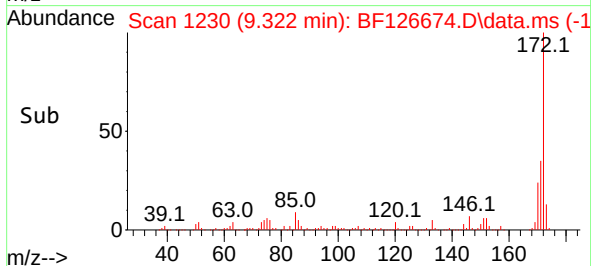
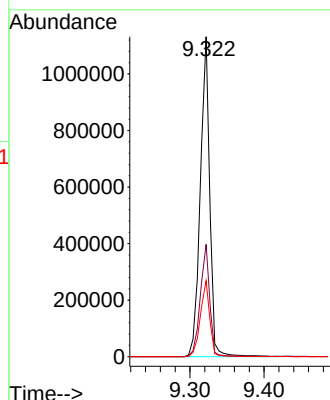
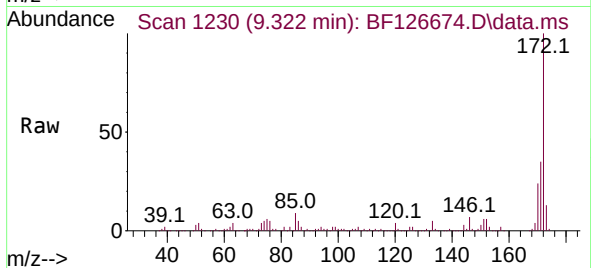
Tgt Ion:172 Resp: 998175

Ion Ratio Lower Upper

172 100

171 35.1 28.3 42.5

170 23.7 19.0 28.6



#51

2,6-Dinitrotoluene

Concen: 10.589 ng

RT: 10.004 min Scan# 1346

Delta R.T. 0.212 min

Lab File: BF126674.D

Acq: 25 Jan 2022 20:04

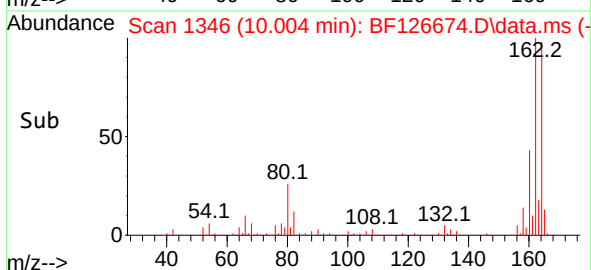
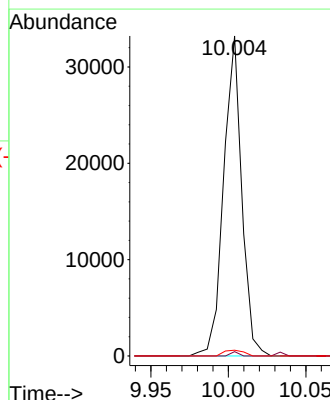
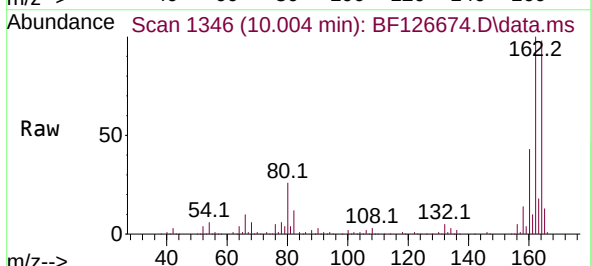
Tgt Ion:165 Resp: 26939

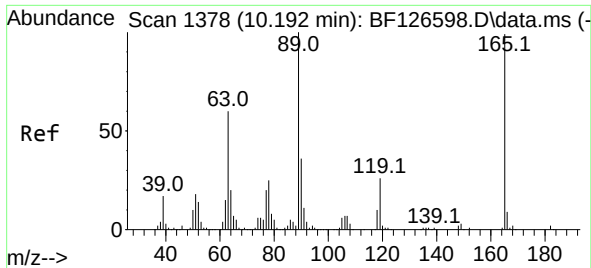
Ion Ratio Lower Upper

165 100

63 1.4 48.4 72.6#

89 1.8 50.5 75.7#

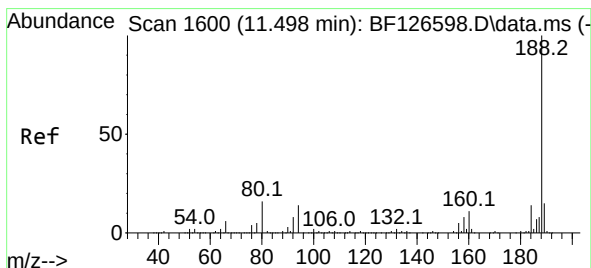
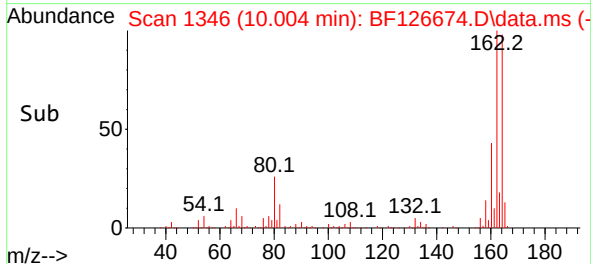
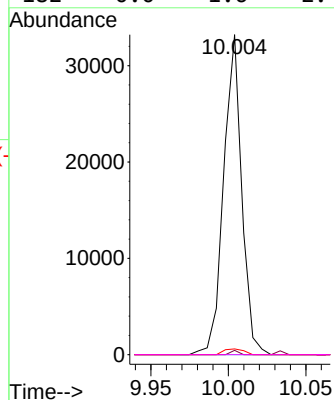
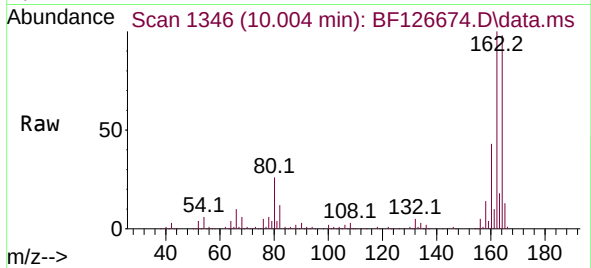




#57
2,4-Dinitrotoluene
Concen: 8.739 ng
RT: 10.004 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF126674.D
Acq: 25 Jan 2022 20:04

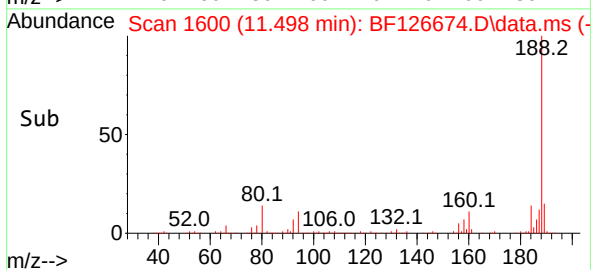
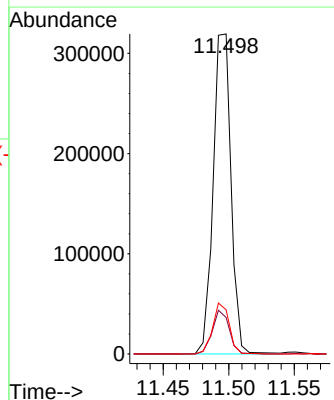
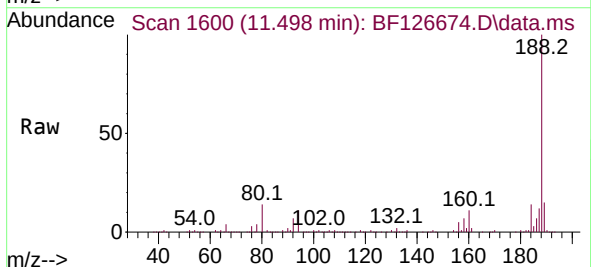
Instrument :
BNA_F
ClientSampleId :
SB-2(0.5-1)

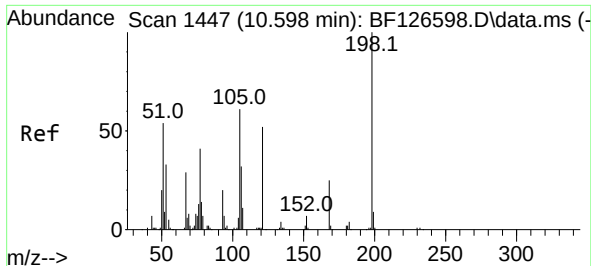
Tgt Ion:165 Resp: 26939
Ion Ratio Lower Upper
165 100
63 1.4 43.0 64.6#
89 1.8 71.0 106.4#
182 0.0 1.6 2.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.498 min Scan# 1600
Delta R.T. 0.000 min
Lab File: BF126674.D
Acq: 25 Jan 2022 20:04

Tgt Ion:188 Resp: 302207
Ion Ratio Lower Upper
188 100
94 11.4 10.1 15.1
80 13.8 11.8 17.6

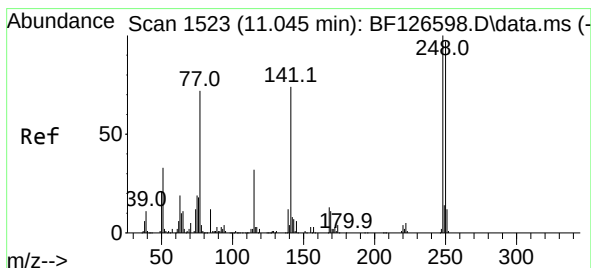
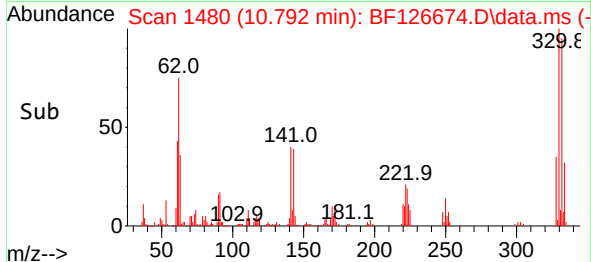
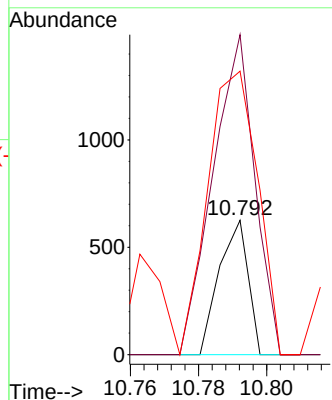
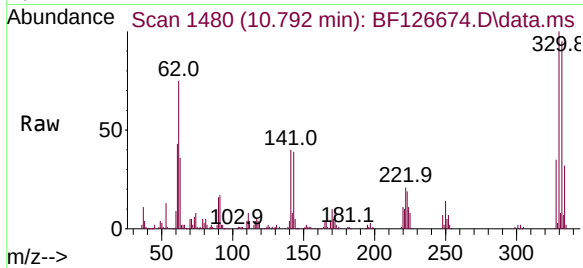




#65
4,6-Dinitro-2-methylphenol
Concen: 7.587 ng
RT: 10.792 min Scan# 1447
Delta R.T. 0.194 min
Lab File: BF126674.D
Acq: 25 Jan 2022 20:04

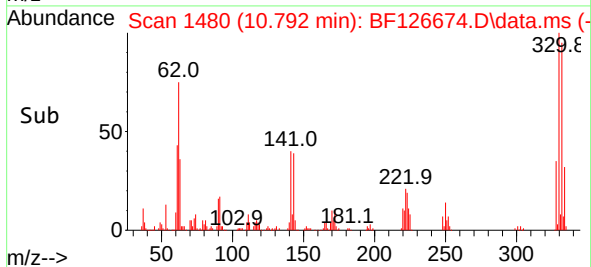
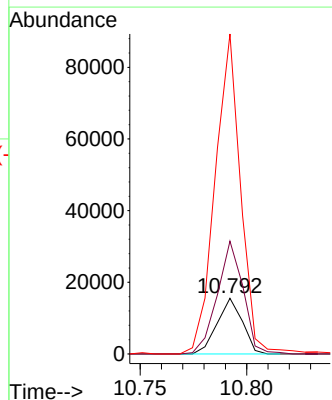
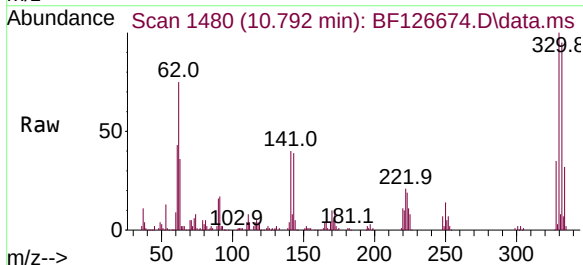
Instrument :
BNA_F
ClientSampleId :
SB-2(0.5-1)

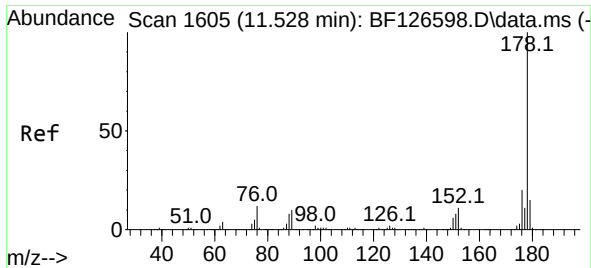
Tgt Ion:198 Resp: 368
Ion Ratio Lower Upper
198 100
51 238.0 32.0 72.0#
105 210.9 32.7 72.7#



#67
4-Bromophenyl-phenylether
Concen: 3.679 ng
RT: 10.792 min Scan# 1480
Delta R.T. -0.253 min
Lab File: BF126674.D
Acq: 25 Jan 2022 20:04

Tgt Ion:248 Resp: 12815
Ion Ratio Lower Upper
248 100
250 202.7 76.2 114.4#
141 575.1 66.2 99.4#

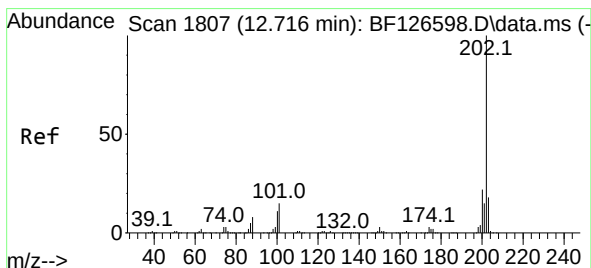
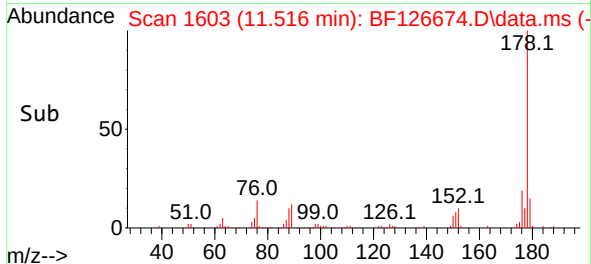
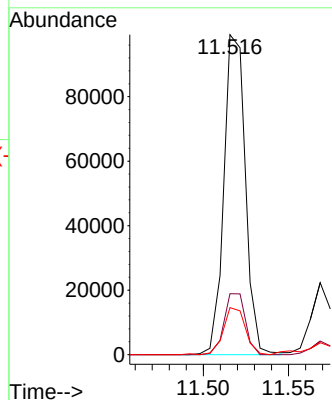
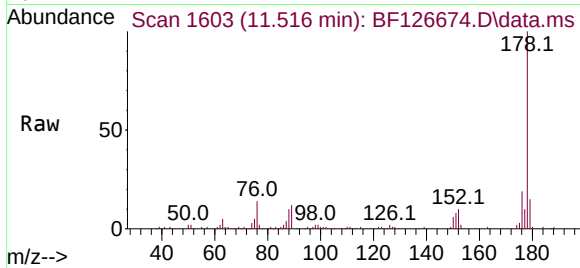




#71
Phenanthrene
Concen: 5.048 ng
RT: 11.516 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF126674.D
Acq: 25 Jan 2022 20:04

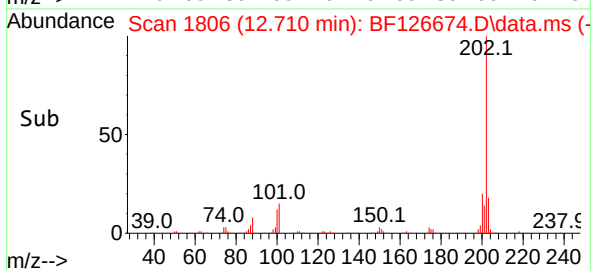
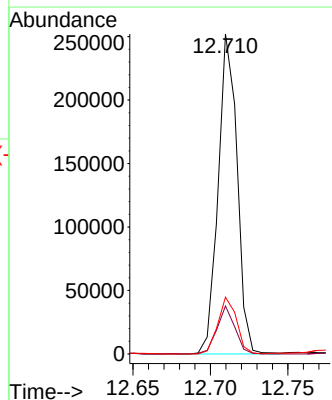
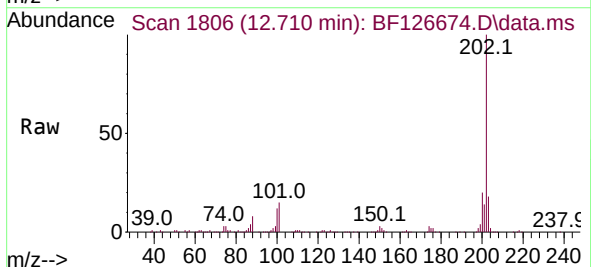
Instrument :
BNA_F
ClientSampleId :
SB-2(0.5-1)

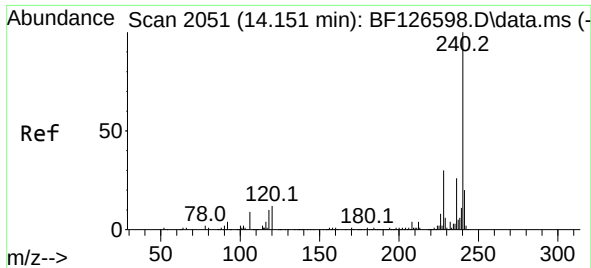
Tgt Ion:178 Resp: 87151
Ion Ratio Lower Upper
178 100
176 19.1 15.7 23.5
179 14.7 12.3 18.5



#75
Fluoranthene
Concen: 12.580 ng
RT: 12.710 min Scan# 1806
Delta R.T. -0.006 min
Lab File: BF126674.D
Acq: 25 Jan 2022 20:04

Tgt Ion:202 Resp: 214530
Ion Ratio Lower Upper
202 100
101 15.0 0.0 35.7
203 17.7 0.0 37.1

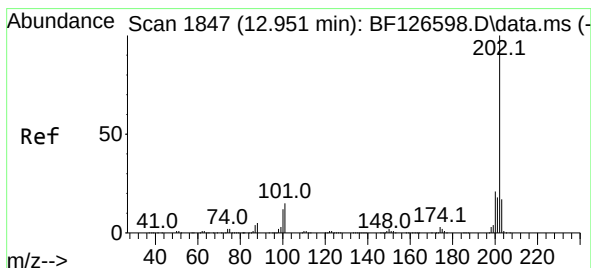
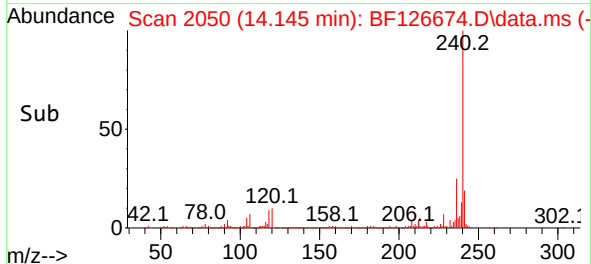
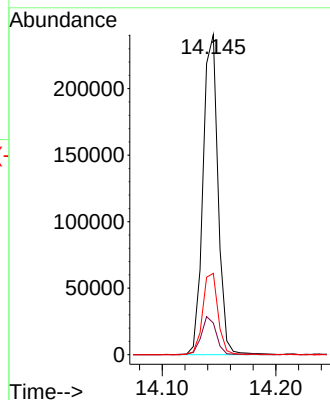
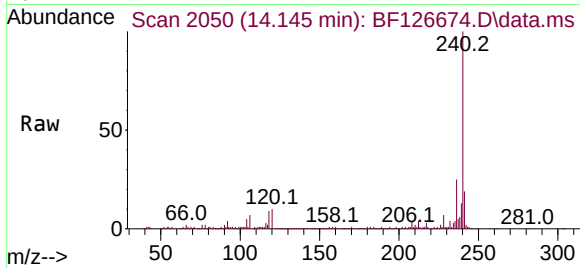




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.145 min Scan# 2051
Delta R.T. -0.006 min
Lab File: BF126674.D
Acq: 25 Jan 2022 20:04

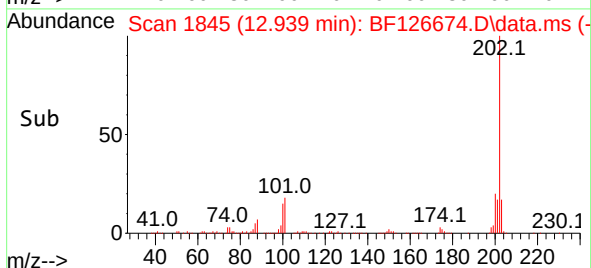
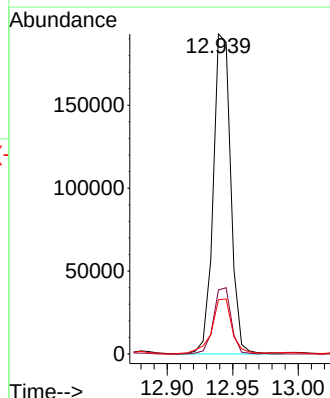
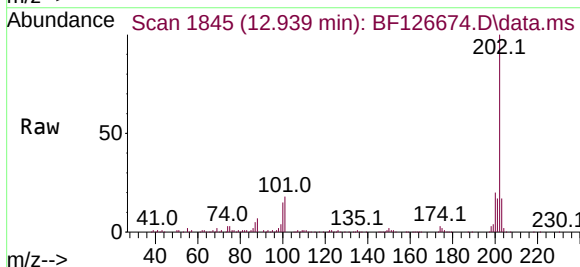
Instrument :
BNA_F
ClientSampleId :
SB-2(0.5-1)

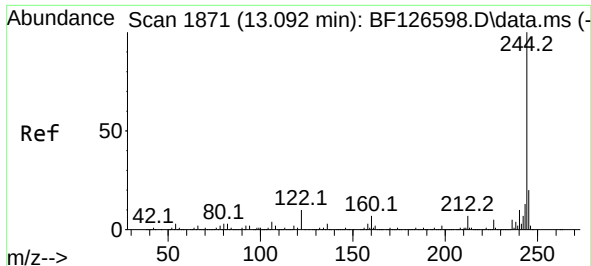
Tgt Ion:240 Resp: 221363
Ion Ratio Lower Upper
240 100
120 9.9 14.4 21.6#
236 25.4 20.5 30.7



#78
Pyrene
Concen: 10.028 ng
RT: 12.939 min Scan# 1845
Delta R.T. -0.012 min
Lab File: BF126674.D
Acq: 25 Jan 2022 20:04

Tgt Ion:202 Resp: 179507
Ion Ratio Lower Upper
202 100
200 20.0 16.6 24.8
203 17.0 13.8 20.8

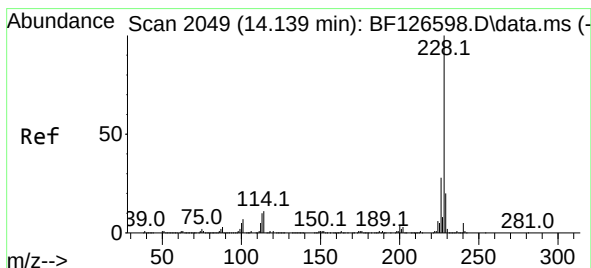
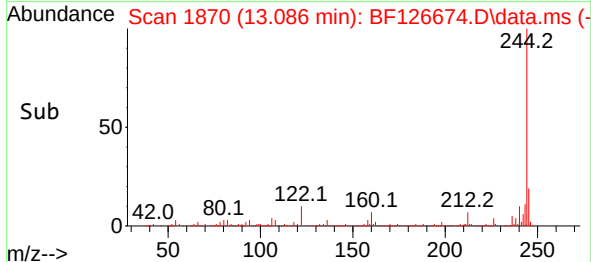
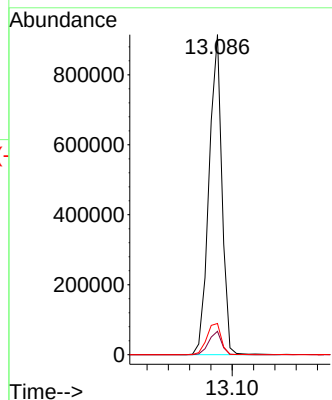
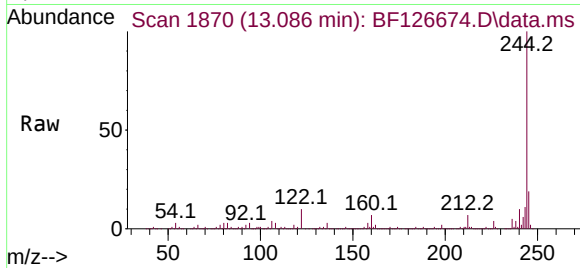




#79
 Terphenyl-d14
 Concen: 58.401 ng
 RT: 13.086 min Scan# 1
 Delta R.T. -0.006 min
 Lab File: BF126674.D
 Acq: 25 Jan 2022 20:04

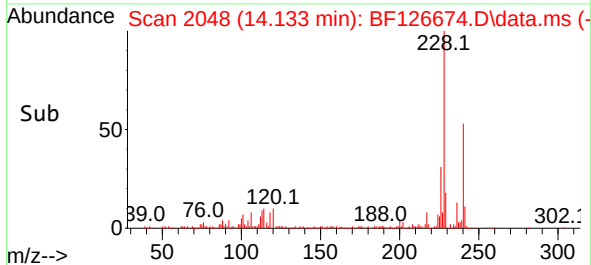
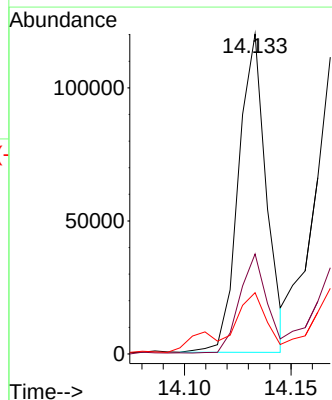
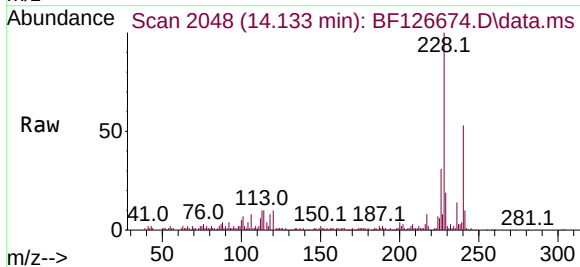
Instrument :
 BNA_F
 ClientSampleId :
 SB-2(0.5-1)

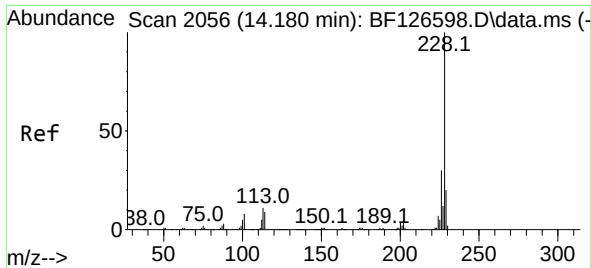
Tgt Ion:244 Resp: 770774
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.0 7.4
 122 9.8 13.3 19.9#



#81
 Benzo(a)anthracene
 Concen: 7.217 ng
 RT: 14.133 min Scan# 2048
 Delta R.T. -0.006 min
 Lab File: BF126674.D
 Acq: 25 Jan 2022 20:04

Tgt Ion:228 Resp: 108582
 Ion Ratio Lower Upper
 228 100
 226 31.3 21.4 32.0
 229 19.1 15.4 23.2

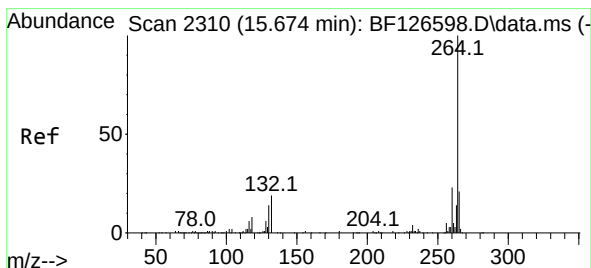
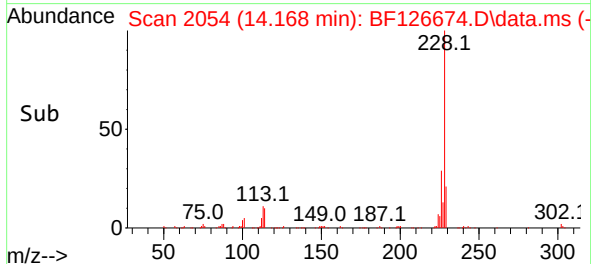
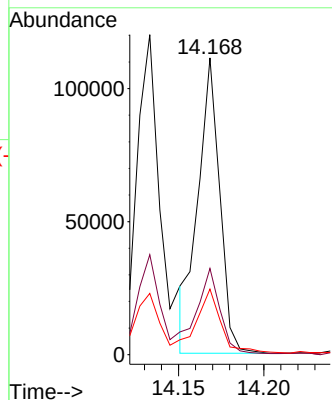
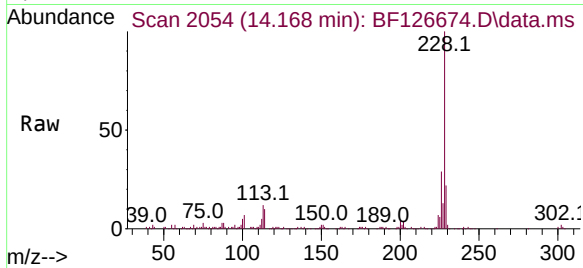




#83
Chrysene
Concen: 6.820 ng
RT: 14.168 min Scan# 2056
Delta R.T. -0.012 min
Lab File: BF126674.D
Acq: 25 Jan 2022 20:04

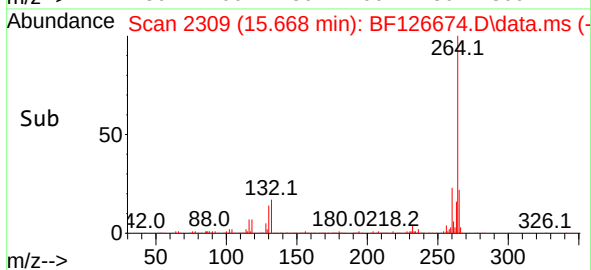
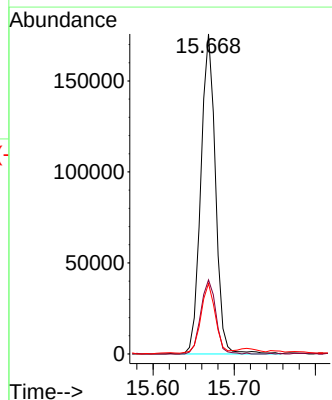
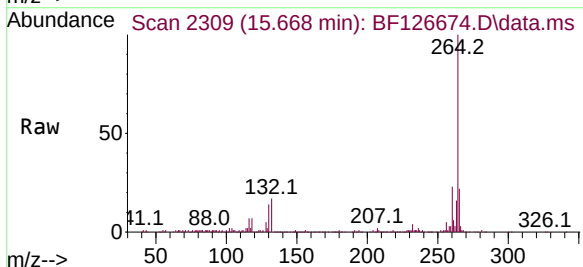
Instrument :
BNA_F
ClientSampleId :
SB-2(0.5-1)

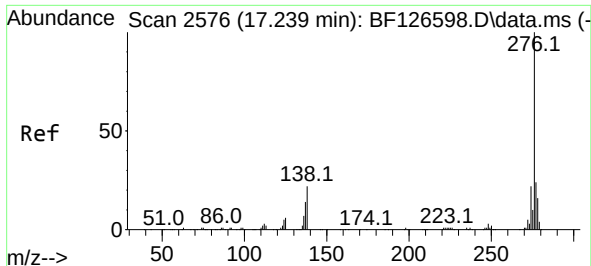
Tgt Ion:228	Resp:	98741
Ion Ratio	Lower	Upper
228	100	
226	29.0	23.7 35.5
229	22.1	15.5 23.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.668 min Scan# 2309
Delta R.T. -0.006 min
Lab File: BF126674.D
Acq: 25 Jan 2022 20:04

Tgt Ion:264	Resp:	220473
Ion Ratio	Lower	Upper
264	100	
260	23.1	19.2 28.8
265	22.0	17.4 26.2

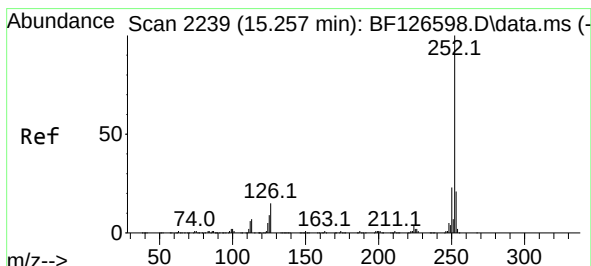
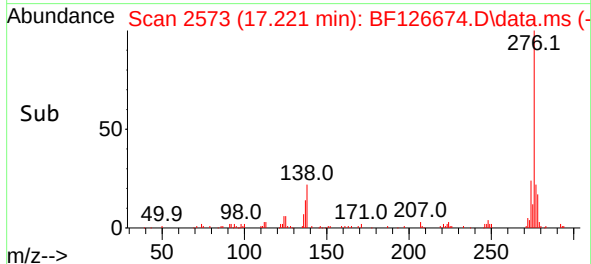
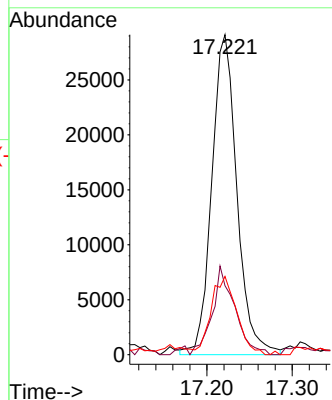
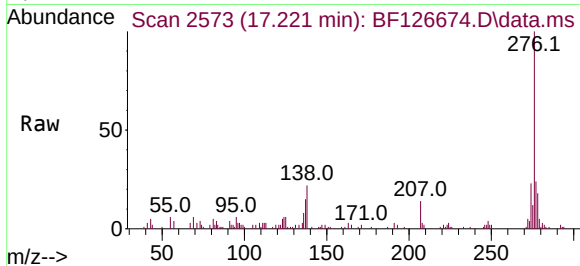




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.382 ng
RT: 17.221 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF126674.D
Acq: 25 Jan 2022 20:04

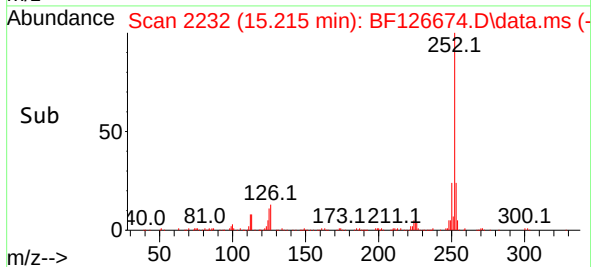
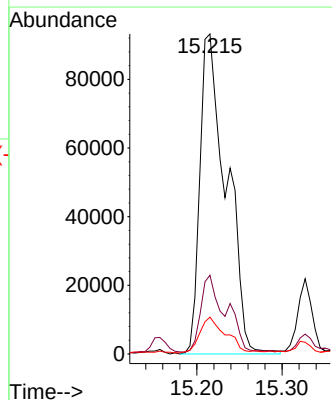
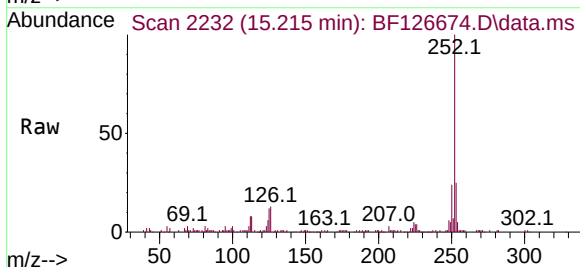
Instrument :
BNA_F
ClientSampleId :
SB-2(0.5-1)

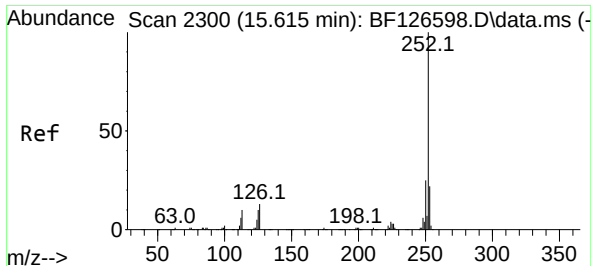
Tgt Ion:276 Resp: 59691
Ion Ratio Lower Upper
276 100
138 24.8 29.2 43.8#
277 24.8 19.8 29.8



#89
Benzo(k)fluoranthene
Concen: 14.091 ng
RT: 15.215 min Scan# 2232
Delta R.T. -0.041 min
Lab File: BF126674.D
Acq: 25 Jan 2022 20:04

Tgt Ion:252 Resp: 202280
Ion Ratio Lower Upper
252 100
253 24.6 17.5 26.3
125 11.5 11.8 17.6#

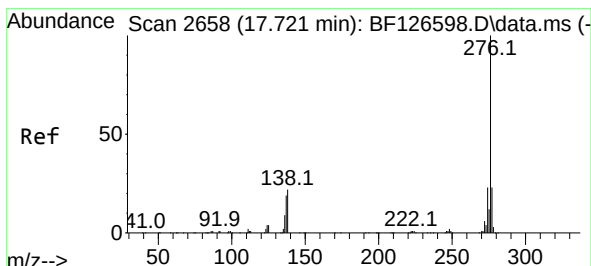
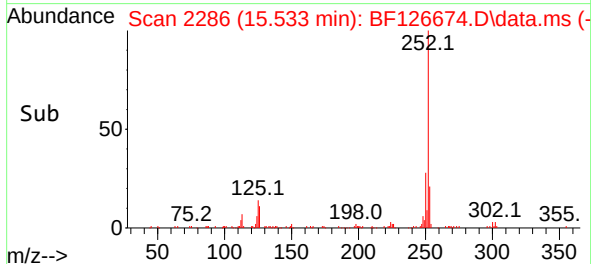
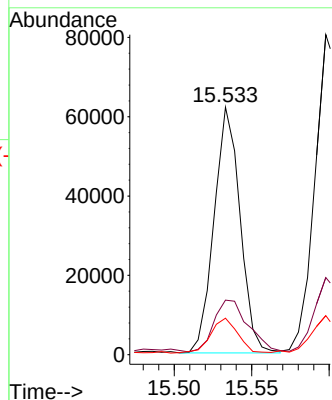
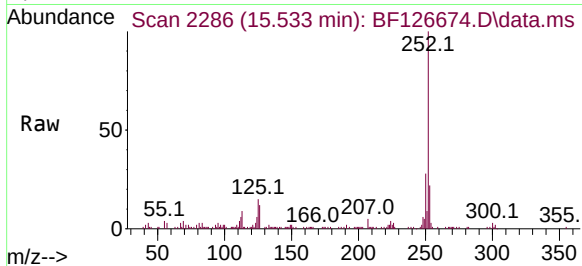




#90
Benzo(a)pyrene
Concen: 6.078 ng
RT: 15.533 min Scan# 21
Delta R.T. -0.082 min
Lab File: BF126674.D
Acq: 25 Jan 2022 20:04

Instrument :
BNA_F
ClientSampleId :
SB-2(0.5-1)

Tgt Ion:252 Resp: 72306
Ion Ratio Lower Upper
252 100
253 22.0 17.1 25.7
125 14.8 13.0 19.6



#92
Benzo(g,h,i)perylene
Concen: 4.756 ng
RT: 17.698 min Scan# 2654
Delta R.T. -0.024 min
Lab File: BF126674.D
Acq: 25 Jan 2022 20:04

Tgt Ion:276 Resp: 52627
Ion Ratio Lower Upper
276 100
277 25.5 18.5 27.7
138 20.7 25.9 38.9#

