

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012522\
 Data File : BF126673.D
 Acq On : 25 Jan 2022 19:37
 Operator : CG/JU
 Sample : N1245-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Jan 26 00:22:54 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)

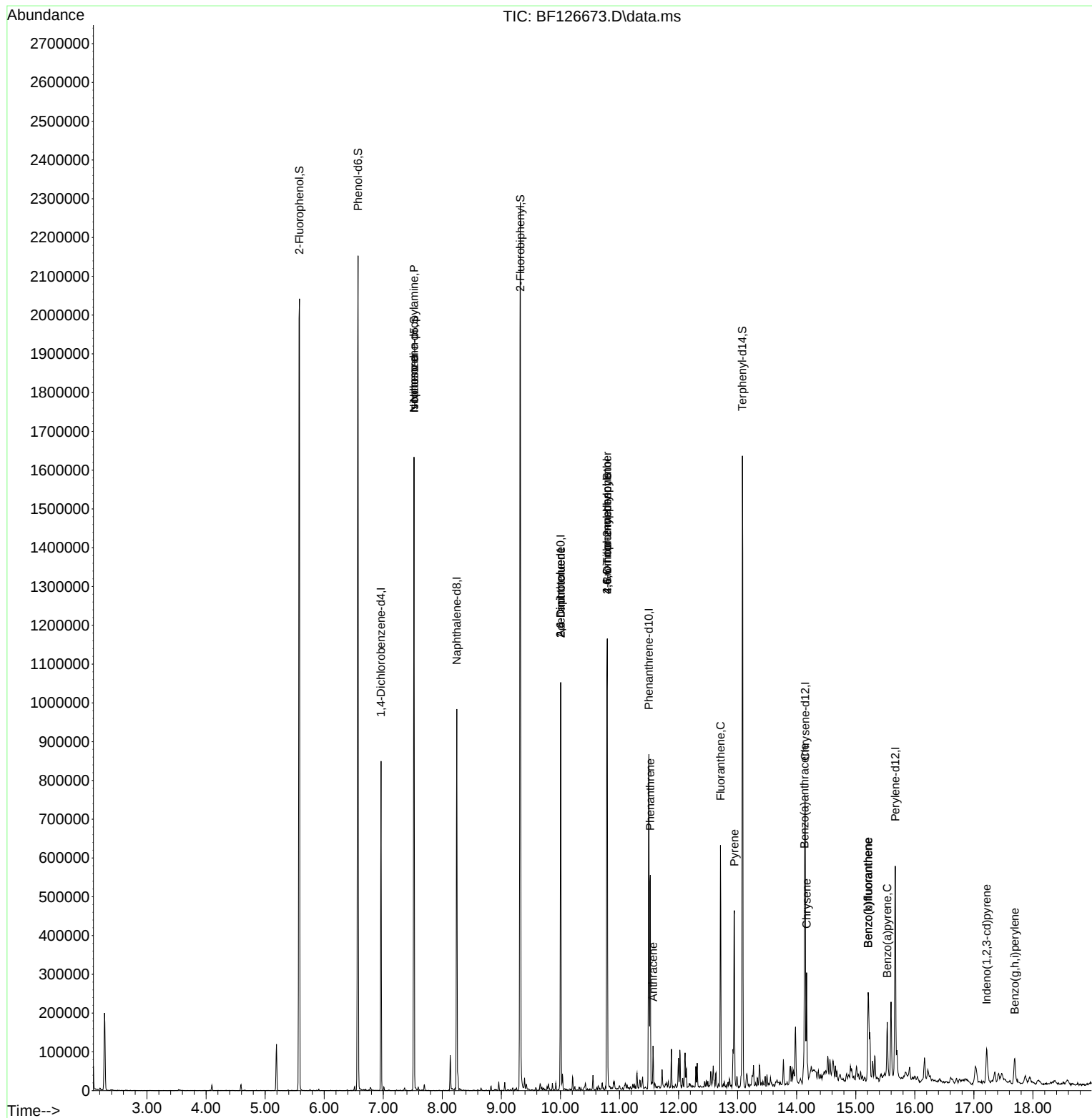
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	99639	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	370017	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	191957	20.000	ng	0.00
64) Phenanthrene-d10	11.498	188	295474	20.000	ng	0.00
76) Chrysene-d12	14.145	240	212538	20.000	ng	# 0.00
86) Perylene-d12	15.668	264	231842	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	546602	72.188	ng	0.00
7) Phenol-d6	6.575	99	733251	69.699	ng	0.00
23) Nitrobenzene-d5	7.522	82	544355	57.583	ng	-0.01
42) 2,4,6-Tribromophenol	10.792	330	116127	64.644	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	666287	53.159	ng	0.00
79) Terphenyl-d14	13.080	244	511584	40.372	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.516	77	2367	Below Cal	#	79
19) n-Nitroso-di-n-propyla...	7.522	70	73639	9.591	ng	# 70
25) Isophorone	7.522	82	544350	29.692	ng	# 69
51) 2,6-Dinitrotoluene	10.004	165	25997	11.050	ng	# 21
57) 2,4-Dinitrotoluene	10.004	165	25997	9.119	ng	# 15
65) 4,6-Dinitro-2-methylph...	10.792	198	136	7.453	ng	# 1
67) 4-Bromophenyl-phenylether	10.792	248	7788	2.287	ng	# 1
71) Phenanthrene	11.521	178	192201	11.386	ng	99
72) Anthracene	11.569	178	35061	2.070	ng	97
75) Fluoranthene	12.710	202	215832	12.944	ng	98
78) Pyrene	12.945	202	180770	10.517	ng	98
81) Benzo(a)anthracene	14.133	228	97621	6.758	ng	95
83) Chrysene	14.168	228	89685	6.452	ng	94
87) Indeno(1,2,3-cd)pyrene	17.215	276	59671	4.166	ng	# 85
88) Benzo(b)fluoranthene	15.209	252	170426	11.085	ng	97
89) Benzo(k)fluoranthene	15.209	252	170426	11.290	ng	98
90) Benzo(a)pyrene	15.533	252	60257	4.817	ng	97
92) Benzo(g,h,i)perylene	17.692	276	54019	4.642	ng	# 86

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012522\
Data File : BF126673.D
Acq On : 25 Jan 2022 19:37
Operator : CG/JU
Sample : N1245-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Jan 26 00:22:54 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

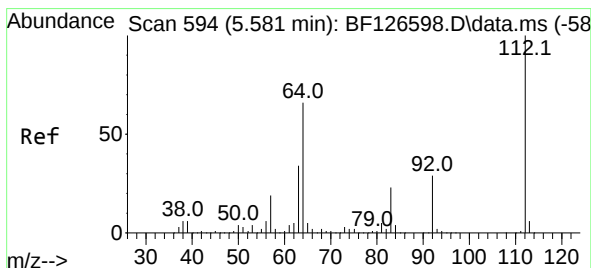
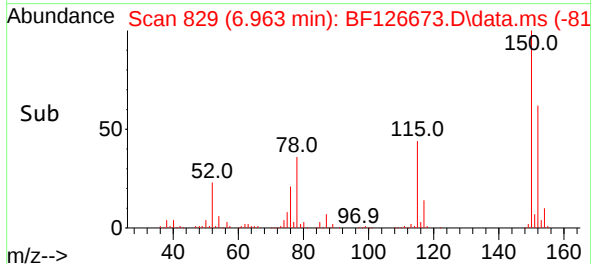
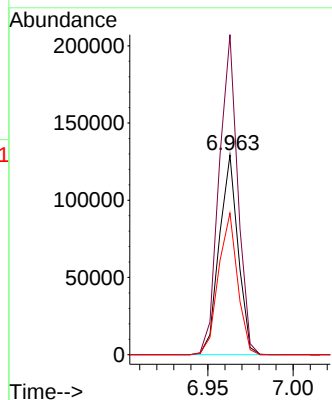
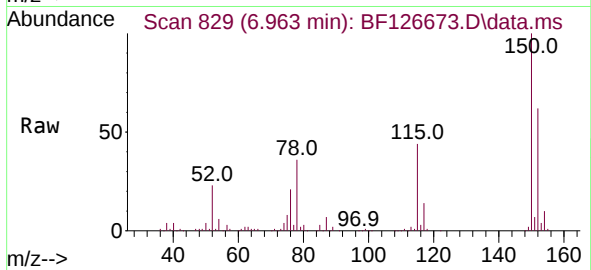




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF126673.D
Acq: 25 Jan 2022 19:37

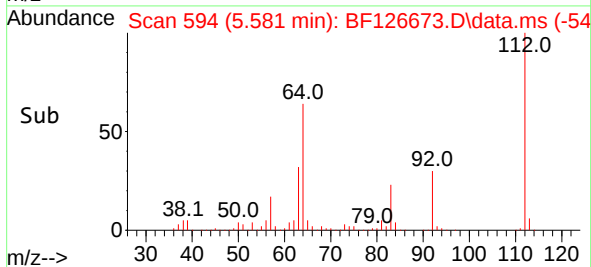
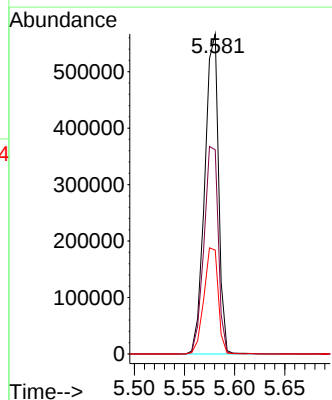
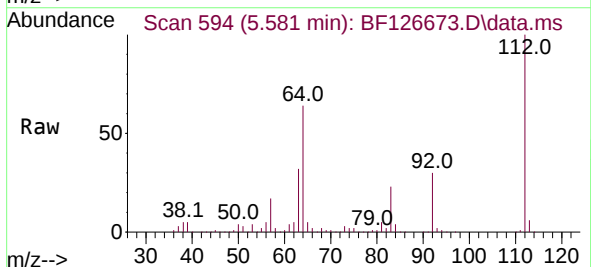
Instrument :
BNA_F
ClientSampleId :
SB-1(0.5-1)

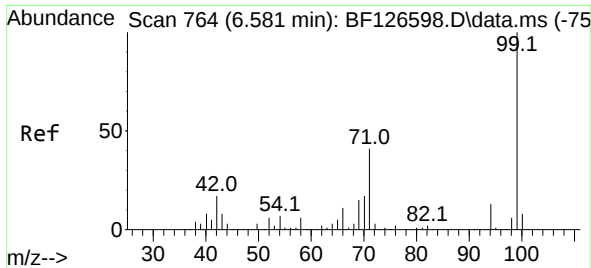
Tgt Ion:152 Resp: 99639
Ion Ratio Lower Upper
152 100
150 160.2 128.1 192.1
115 70.9 56.7 85.1



#5
2-Fluorophenol
Concen: 72.188 ng
RT: 5.581 min Scan# 594
Delta R.T. -0.000 min
Lab File: BF126673.D
Acq: 25 Jan 2022 19:37

Tgt Ion:112 Resp: 546602
Ion Ratio Lower Upper
112 100
64 63.8 49.5 74.3
63 32.5 23.9 35.9





#7

Phenol-d6

Concen: 69.699 ng

RT: 6.575 min Scan# 7

Delta R.T. -0.006 min

Lab File: BF126673.D

Acq: 25 Jan 2022 19:37

Instrument :

BNA_F

ClientSampleId :

SB-1(0.5-1)

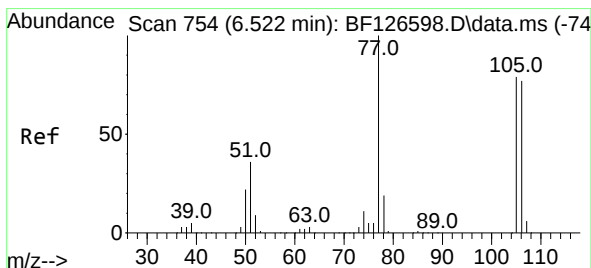
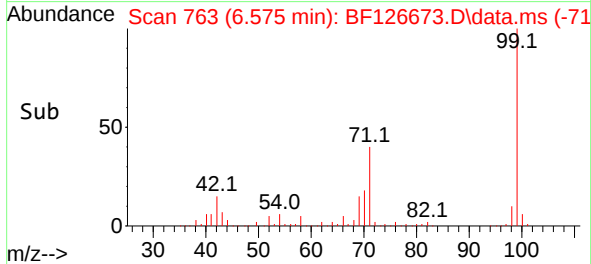
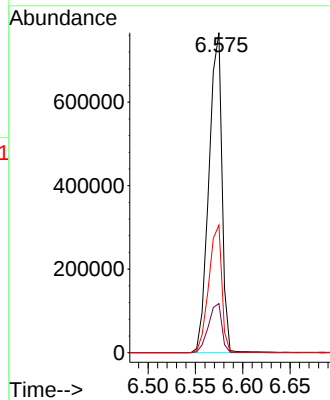
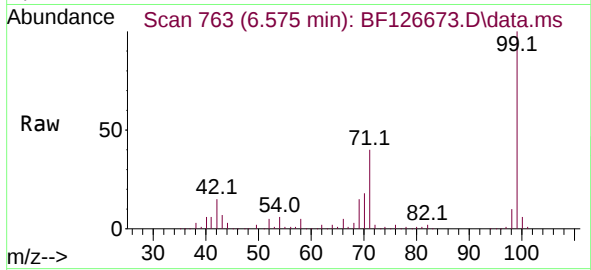
Tgt Ion: 99 Resp: 733251

Ion Ratio Lower Upper

99 100

42 15.4 14.2 21.4

71 39.8 24.3 36.5#



#9

Benzaldehyde

Concen: Below Cal

RT: 6.516 min Scan# 753

Delta R.T. -0.006 min

Lab File: BF126673.D

Acq: 25 Jan 2022 19:37

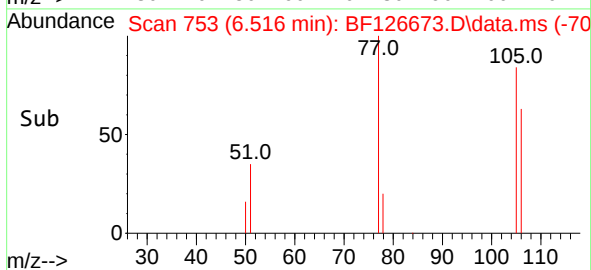
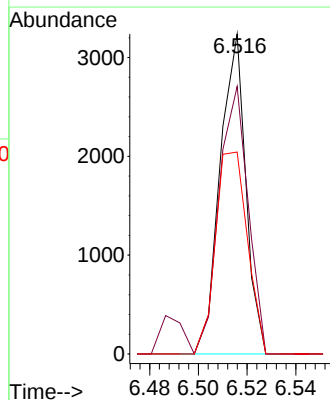
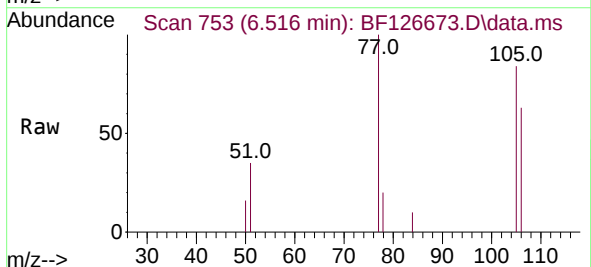
Tgt Ion: 77 Resp: 2367

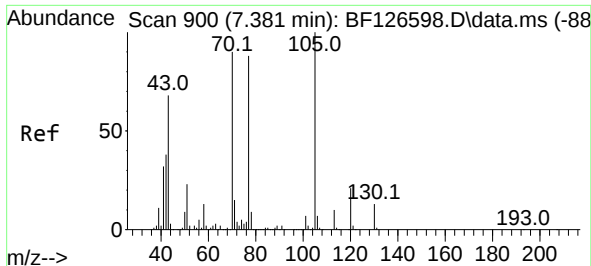
Ion Ratio Lower Upper

77 100

105 83.6 74.9 114.9

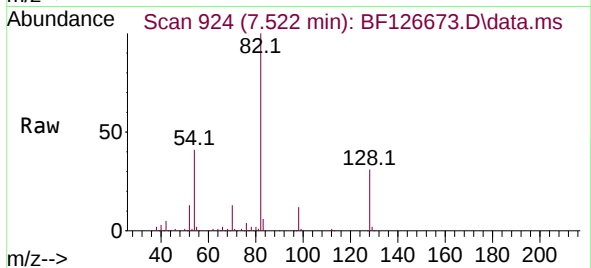
106 63.1 72.4 112.4#



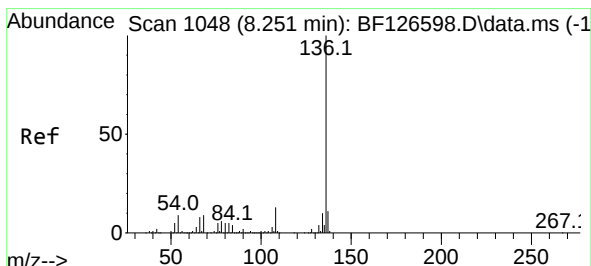
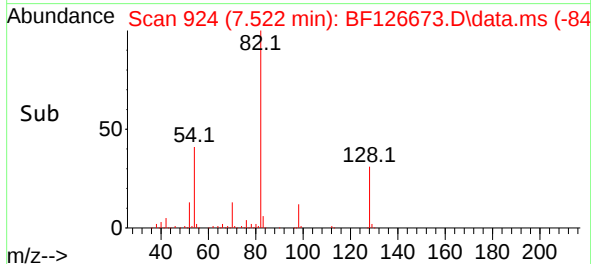
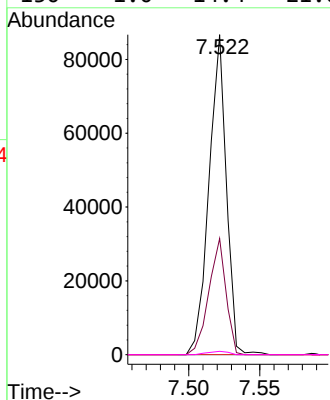


#19
n-Nitroso-di-n-propylamine
Concen: 9.591 ng
RT: 7.522 min Scan# 91
Delta R.T. 0.141 min
Lab File: BF126673.D
Acq: 25 Jan 2022 19:37

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

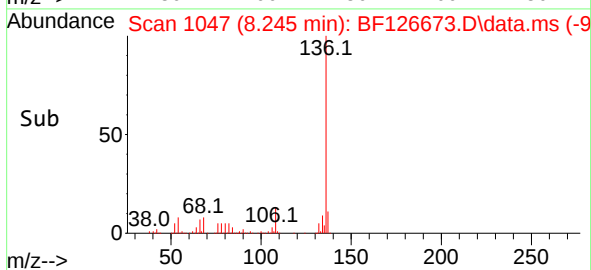
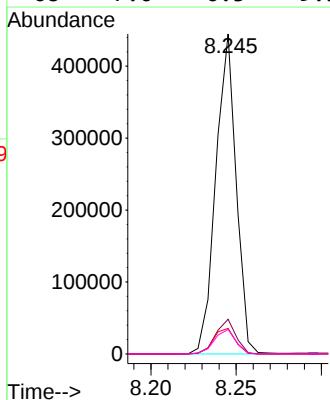
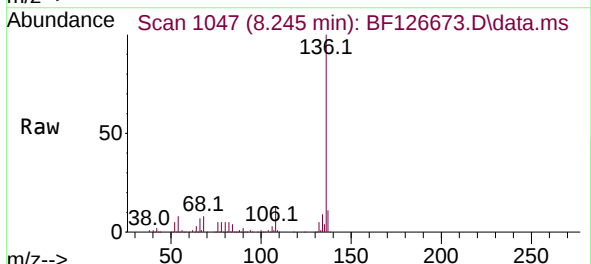


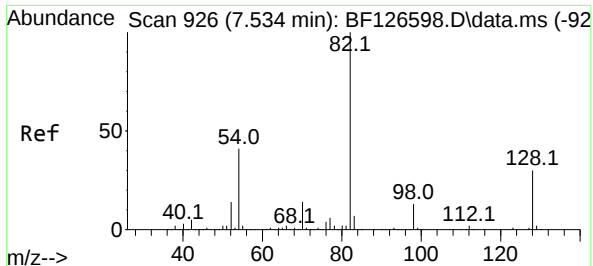
Tgt Ion: 70 Resp: 73639
Ion Ratio Lower Upper
70 100
42 36.3 45.8 68.8#
101 0.0 6.9 10.3#
130 1.0 14.4 21.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1047
Delta R.T. -0.006 min
Lab File: BF126673.D
Acq: 25 Jan 2022 19:37

Tgt Ion: 136 Resp: 370017
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.0 7.8 11.6
68 7.6 6.3 9.5

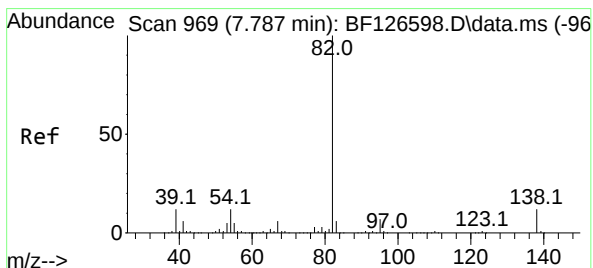
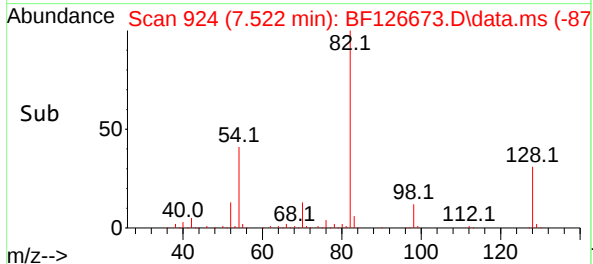
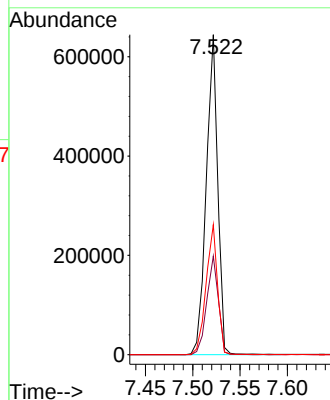
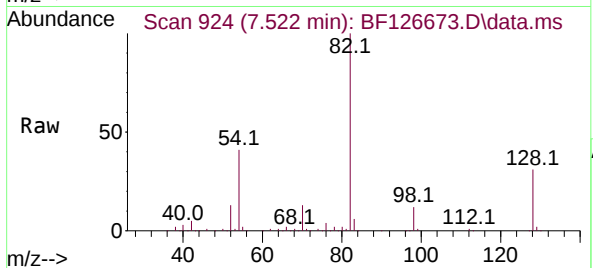




#23
 Nitrobenzene-d5
 Concen: 57.583 ng
 RT: 7.522 min Scan# 91
 Delta R.T. -0.012 min
 Lab File: BF126673.D
 Acq: 25 Jan 2022 19:37

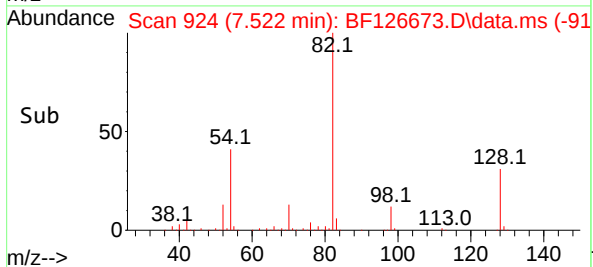
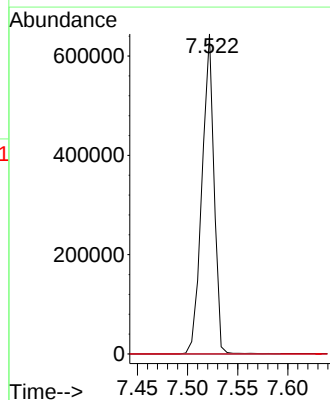
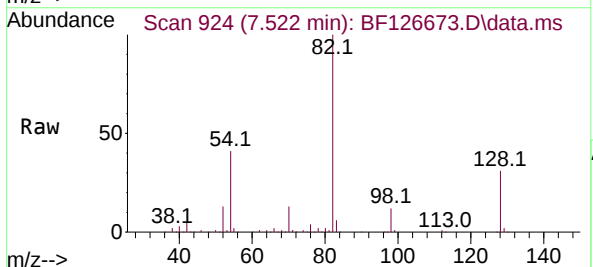
Instrument :
 BNA_F
 ClientSampleId :
 SB-1(0.5-1)

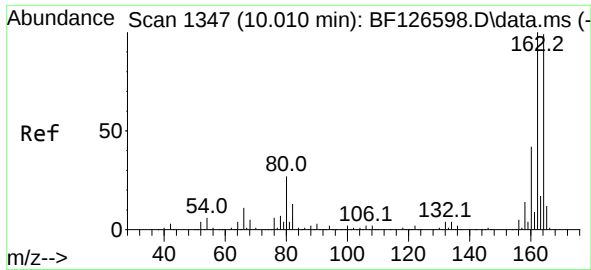
Tgt Ion: 82 Resp: 544355
 Ion Ratio Lower Upper
 82 100
 128 30.8 32.7 49.1#
 54 40.6 41.7 62.5#



#25
 Isophorone
 Concen: 29.692 ng
 RT: 7.522 min Scan# 924
 Delta R.T. -0.265 min
 Lab File: BF126673.D
 Acq: 25 Jan 2022 19:37

Tgt Ion: 82 Resp: 544350
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.0 7.4#
 138 0.0 12.3 18.5#

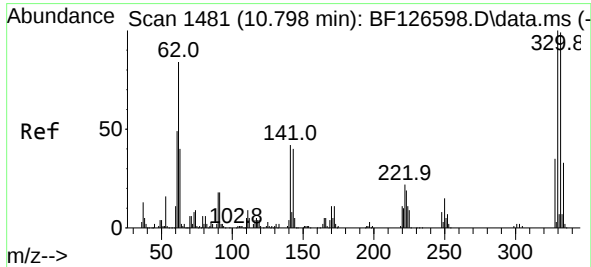
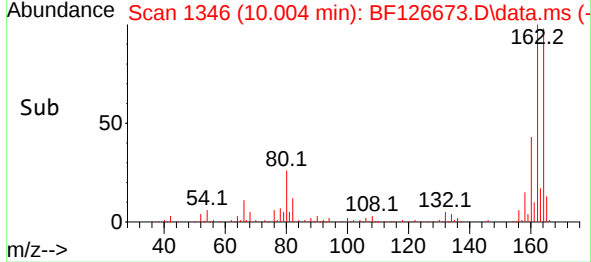
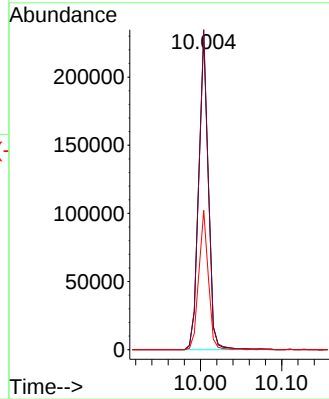
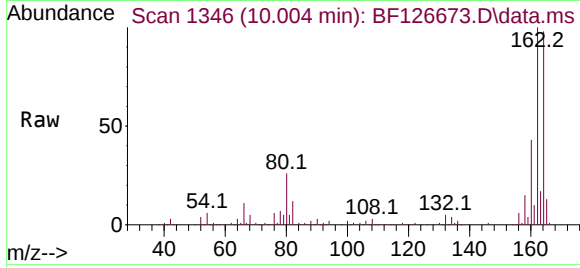




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126673.D
Acq: 25 Jan 2022 19:37

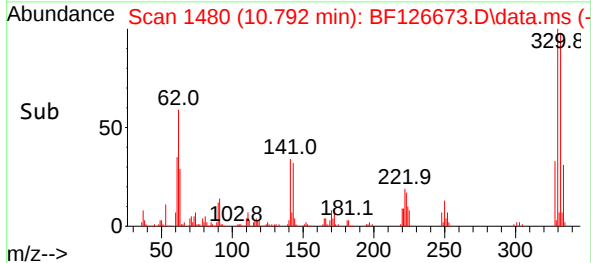
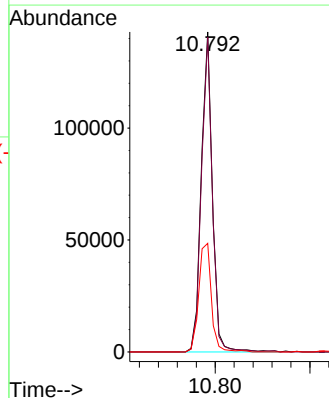
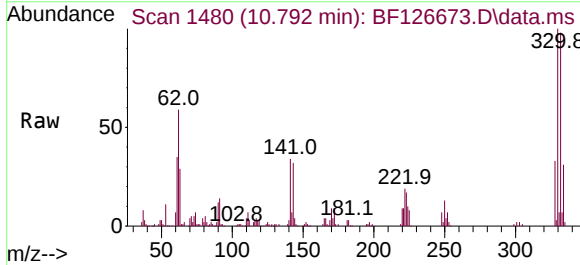
Instrument :
BNA_F
ClientSampleId :
SB-1(0.5-1)

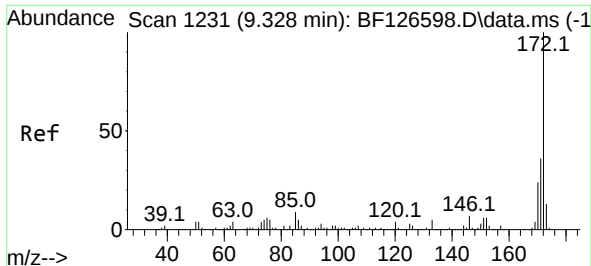
Tgt Ion:164 Resp: 191957
Ion Ratio Lower Upper
164 100
162 101.6 81.4 122.0
160 44.2 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 64.644 ng
RT: 10.792 min Scan# 1480
Delta R.T. -0.006 min
Lab File: BF126673.D
Acq: 25 Jan 2022 19:37

Tgt Ion:330 Resp: 116127
Ion Ratio Lower Upper
330 100
332 96.5 76.0 114.0
141 38.9 30.1 45.1





#45

2-Fluorobiphenyl

Concen: 53.159 ng

RT: 9.322 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF126673.D

Acq: 25 Jan 2022 19:37

Instrument :

BNA_F

ClientSampleId :

SB-1(0.5-1)

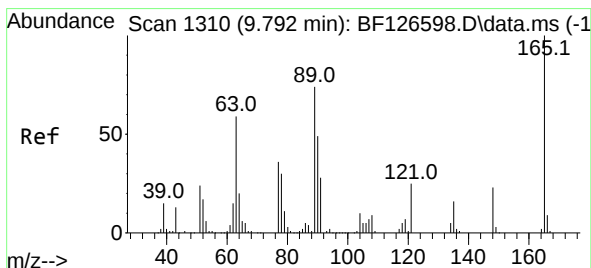
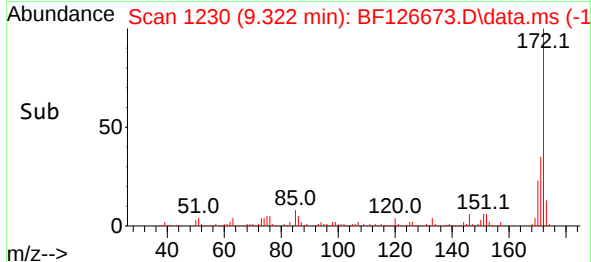
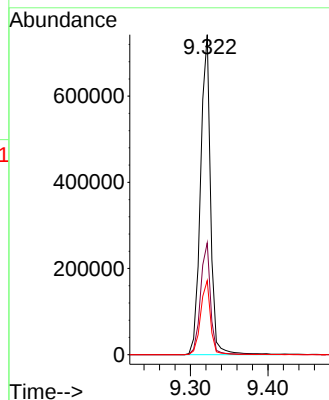
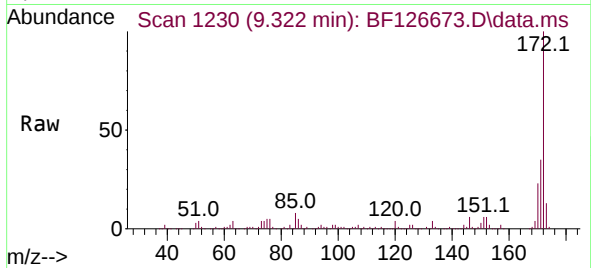
Tgt Ion:172 Resp: 666287

Ion Ratio Lower Upper

172 100

171 35.0 28.3 42.5

170 23.1 19.0 28.6



#51

2,6-Dinitrotoluene

Concen: 11.050 ng

RT: 10.004 min Scan# 1346

Delta R.T. 0.212 min

Lab File: BF126673.D

Acq: 25 Jan 2022 19:37

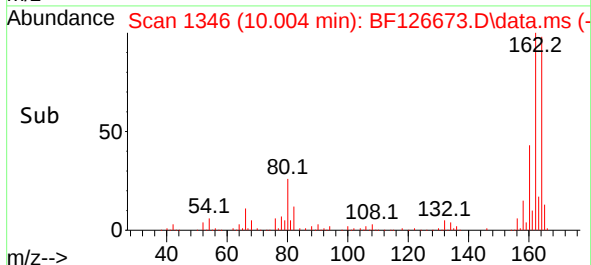
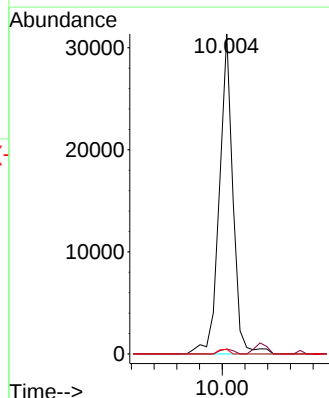
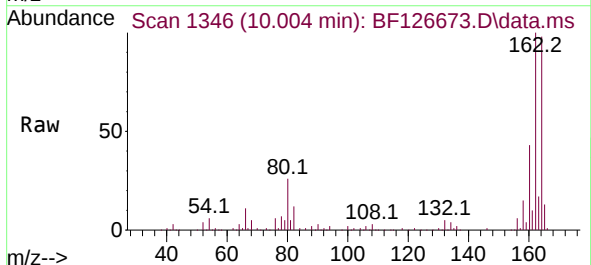
Tgt Ion:165 Resp: 25997

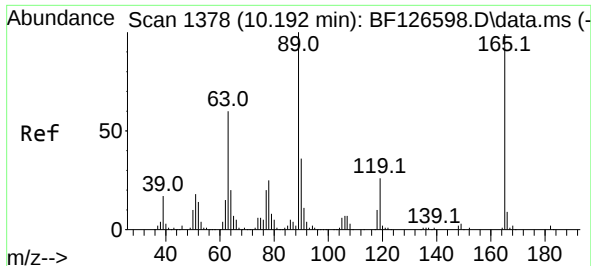
Ion Ratio Lower Upper

165 100

63 1.6 48.4 72.6#

89 1.5 50.5 75.7#

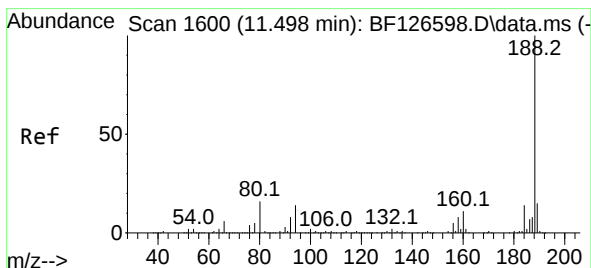
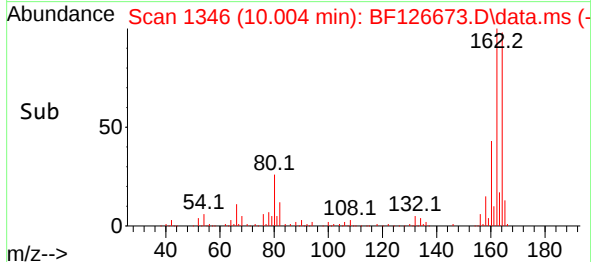
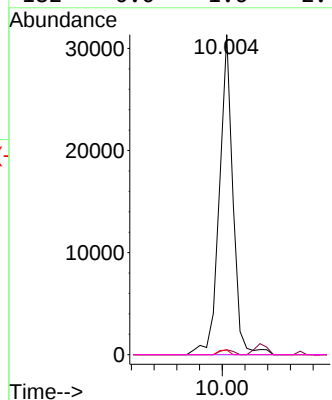
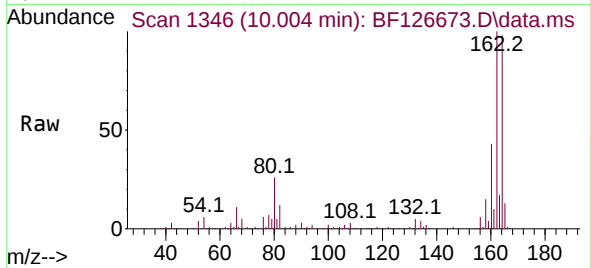




#57
2,4-Dinitrotoluene
Concen: 9.119 ng
RT: 10.004 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF126673.D
Acq: 25 Jan 2022 19:37

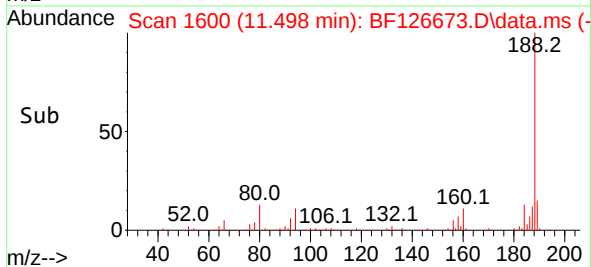
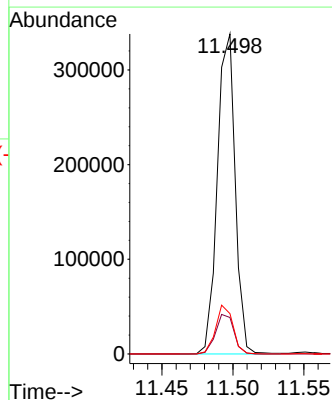
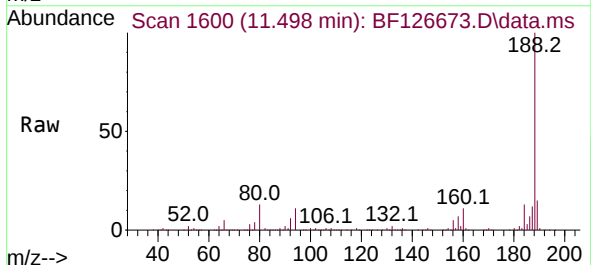
Instrument :
BNA_F
ClientSampleId :
SB-1(0.5-1)

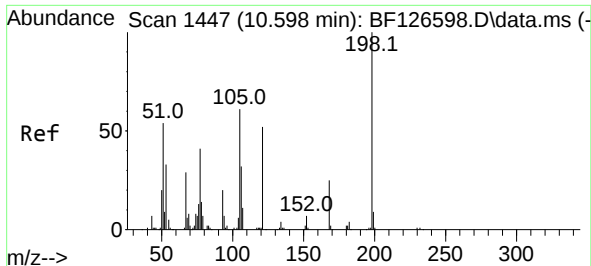
Tgt Ion:165 Resp: 25997
Ion Ratio Lower Upper
165 100
63 1.6 43.0 64.6#
89 1.5 71.0 106.4#
182 0.0 1.6 2.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.498 min Scan# 1600
Delta R.T. -0.000 min
Lab File: BF126673.D
Acq: 25 Jan 2022 19:37

Tgt Ion:188 Resp: 295474
Ion Ratio Lower Upper
188 100
94 11.4 10.1 15.1
80 12.6 11.8 17.6

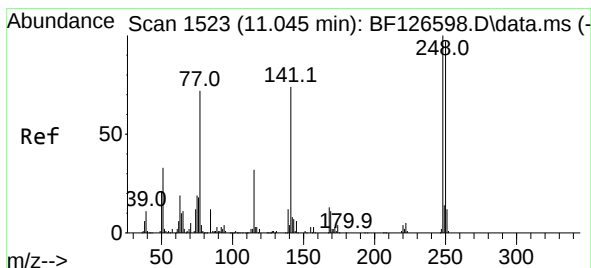
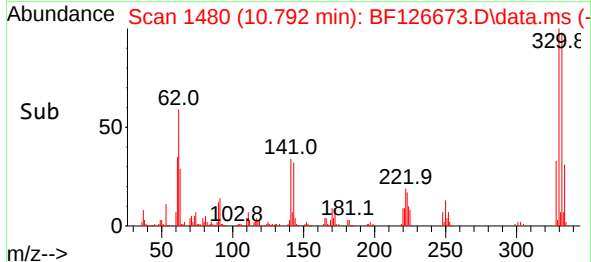
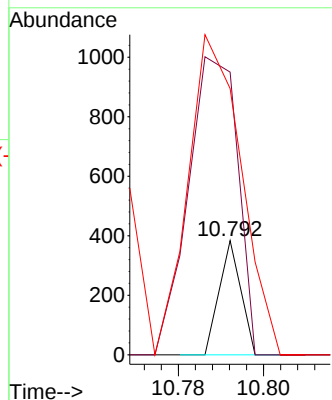
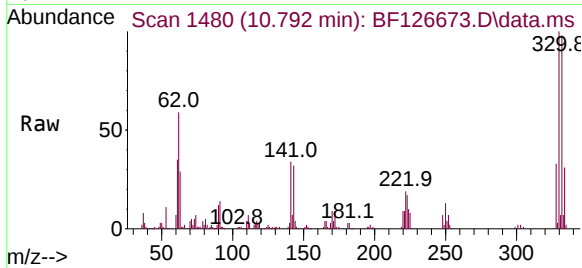




#65
4,6-Dinitro-2-methylphenol
Concen: 7.453 ng
RT: 10.792 min Scan# 1447
Delta R.T. 0.194 min
Lab File: BF126673.D
Acq: 25 Jan 2022 19:37

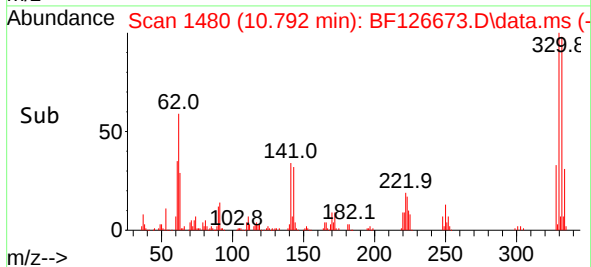
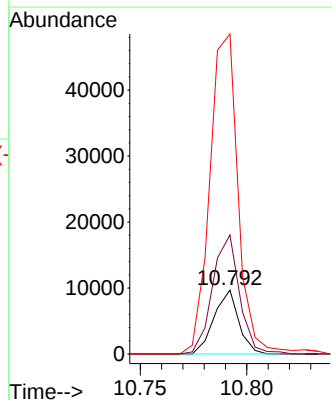
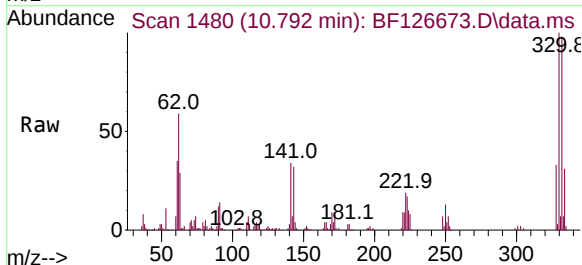
Instrument :
BNA_F
ClientSampleId :
SB-1(0.5-1)

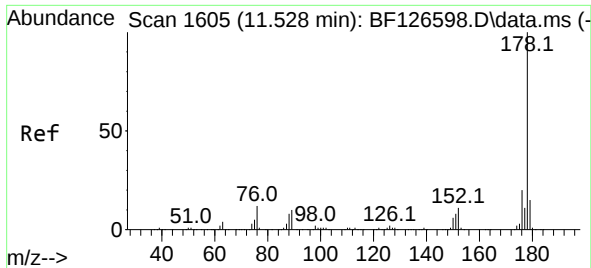
Tgt Ion:198 Resp: 136
Ion Ratio Lower Upper
198 100
51 247.4 32.0 72.0#
105 233.1 32.7 72.7#



#67
4-Bromophenyl-phenylether
Concen: 2.287 ng
RT: 10.792 min Scan# 1480
Delta R.T. -0.253 min
Lab File: BF126673.D
Acq: 25 Jan 2022 19:37

Tgt Ion:248 Resp: 7788
Ion Ratio Lower Upper
248 100
250 186.4 76.2 114.4#
141 501.3 66.2 99.4#

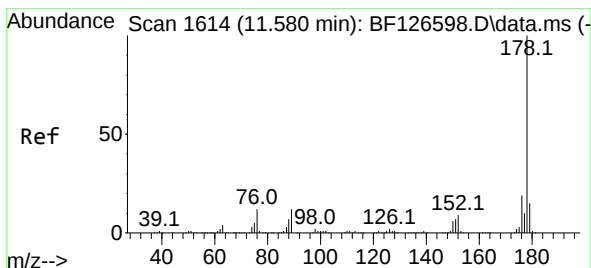
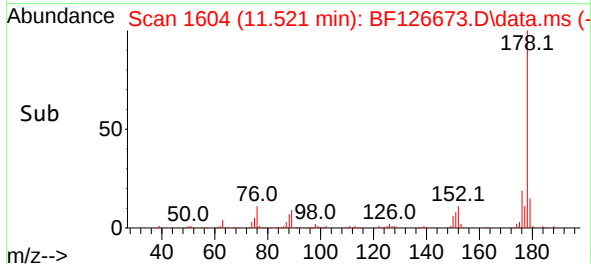
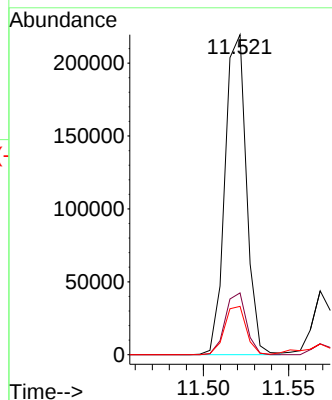
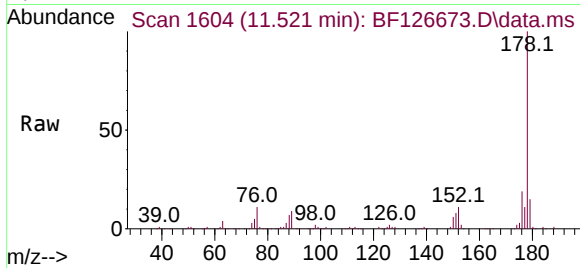




#71
Phenanthrene
Concen: 11.386 ng
RT: 11.521 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF126673.D
Acq: 25 Jan 2022 19:37

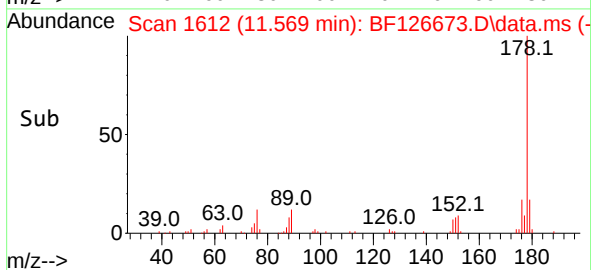
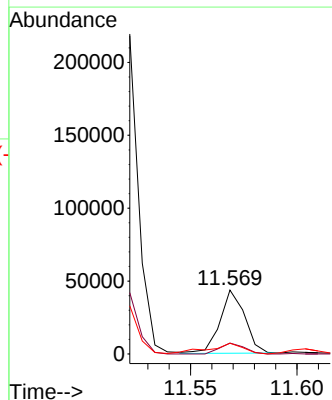
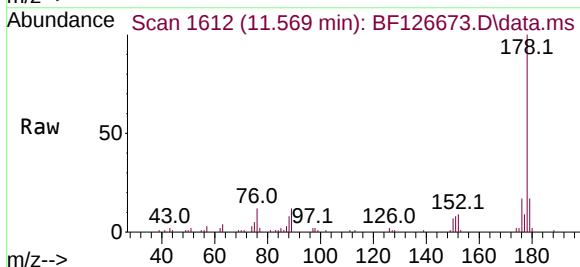
Instrument :
BNA_F
ClientSampleId :
SB-1(0.5-1)

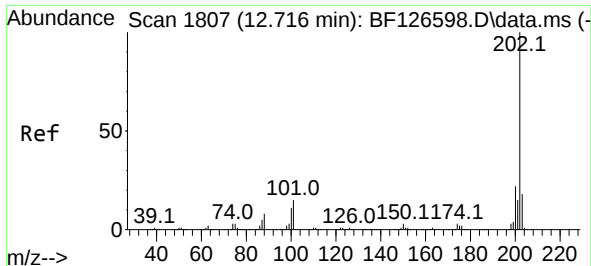
Tgt Ion:178 Resp: 192201
Ion Ratio Lower Upper
178 100
176 19.3 15.7 23.5
179 15.1 12.3 18.5



#72
Anthracene
Concen: 2.070 ng
RT: 11.569 min Scan# 1612
Delta R.T. -0.012 min
Lab File: BF126673.D
Acq: 25 Jan 2022 19:37

Tgt Ion:178 Resp: 35061
Ion Ratio Lower Upper
178 100
176 17.0 15.0 22.6
179 16.8 12.5 18.7

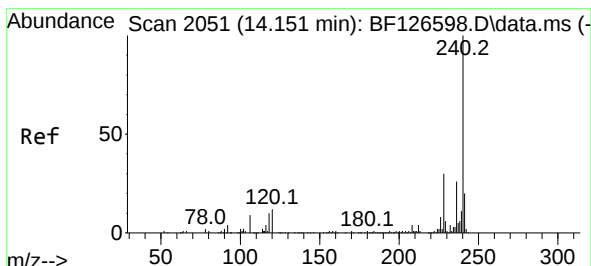
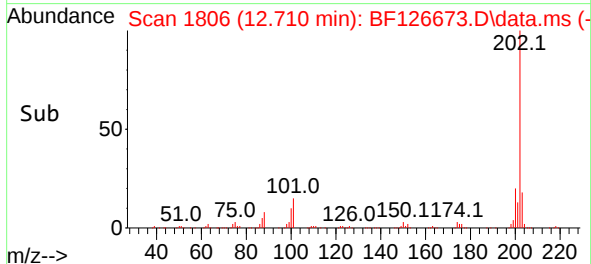
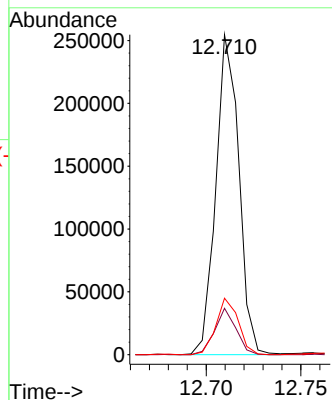
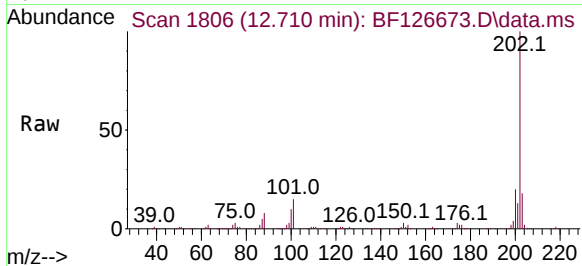




#75
Fluoranthene
Concen: 12.944 ng
RT: 12.710 min Scan# 1806
Delta R.T. -0.006 min
Lab File: BF126673.D
Acq: 25 Jan 2022 19:37

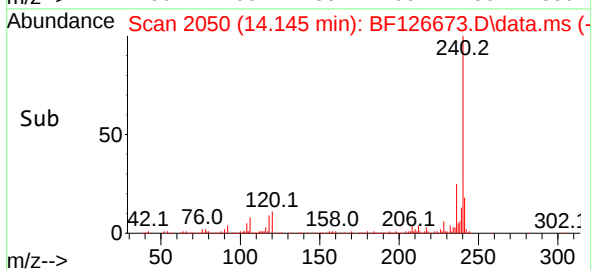
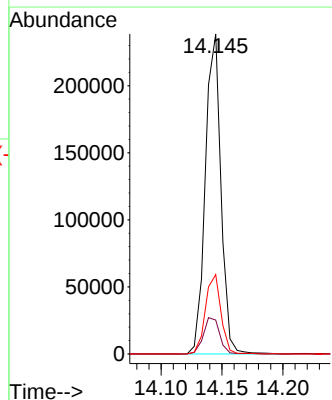
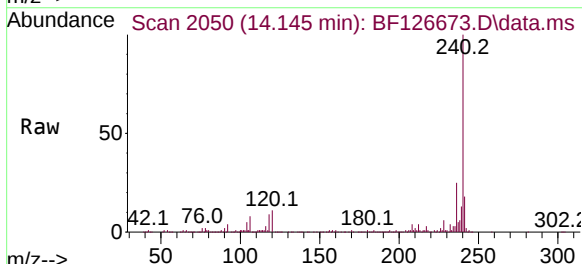
Instrument :
BNA_F
ClientSampleId :
SB-1(0.5-1)

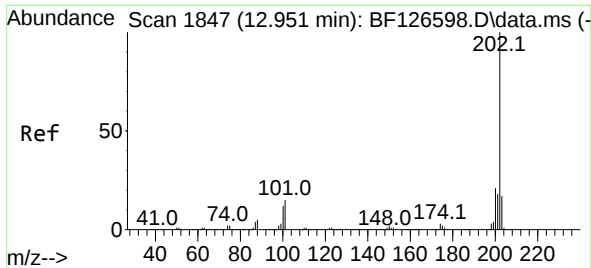
Tgt Ion:202 Resp: 215832
Ion Ratio Lower Upper
202 100
101 14.5 0.0 35.7
203 17.7 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.145 min Scan# 2050
Delta R.T. -0.006 min
Lab File: BF126673.D
Acq: 25 Jan 2022 19:37

Tgt Ion:240 Resp: 212538
Ion Ratio Lower Upper
240 100
120 10.6 14.4 21.6#
236 24.8 20.5 30.7

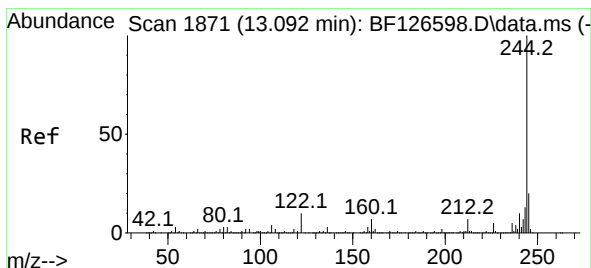
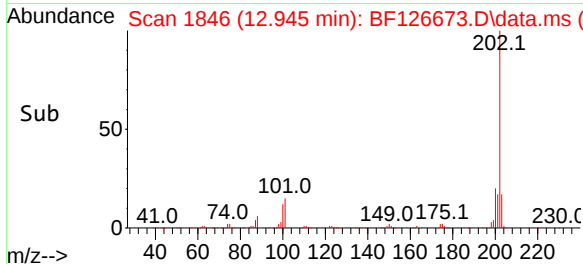
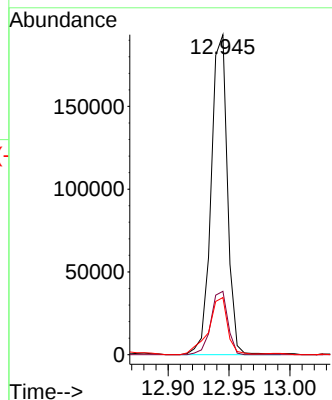
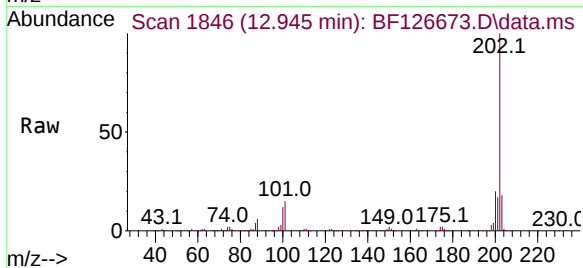




#78
Pyrene
Concen: 10.517 ng
RT: 12.945 min Scan# 1846
Delta R.T. -0.006 min
Lab File: BF126673.D
Acq: 25 Jan 2022 19:37

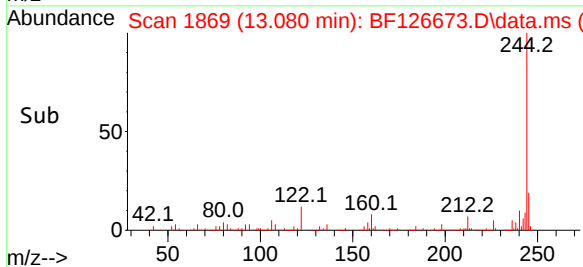
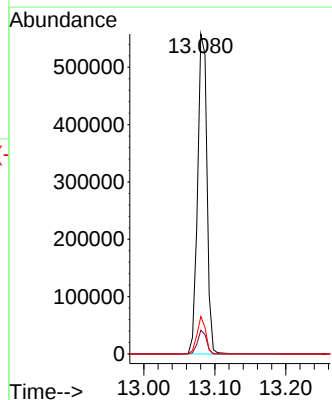
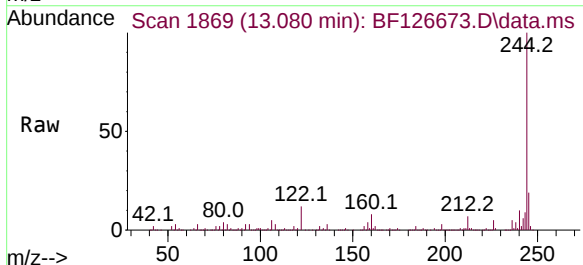
Instrument :
BNA_F
ClientSampleId :
SB-1(0.5-1)

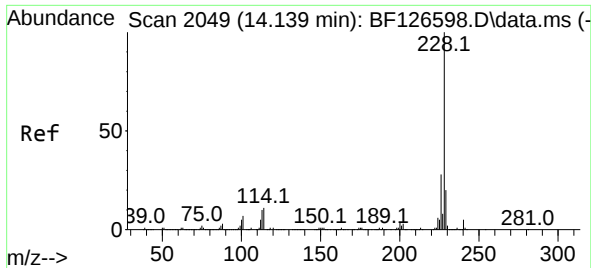
Tgt Ion:202 Resp: 180770
Ion Ratio Lower Upper
202 100
200 19.8 16.6 24.8
203 17.9 13.8 20.8



#79
Terphenyl-d14
Concen: 40.372 ng
RT: 13.080 min Scan# 1869
Delta R.T. -0.012 min
Lab File: BF126673.D
Acq: 25 Jan 2022 19:37

Tgt Ion:244 Resp: 511584
Ion Ratio Lower Upper
244 100
212 7.4 5.0 7.4
122 11.7 13.3 19.9#

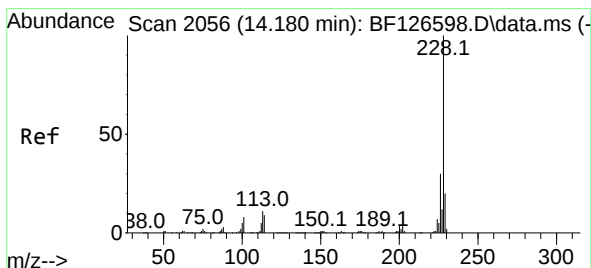
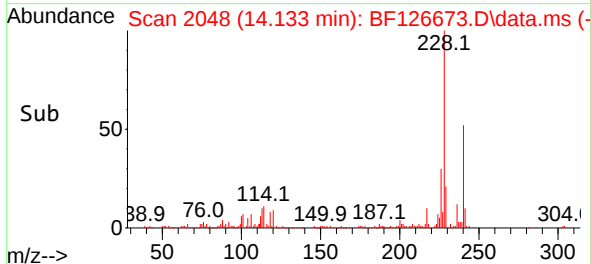
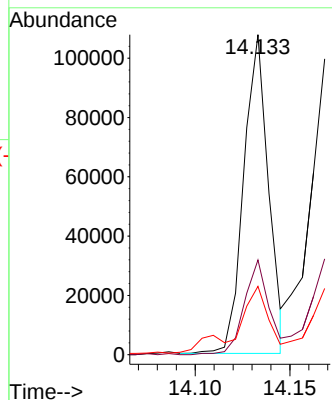
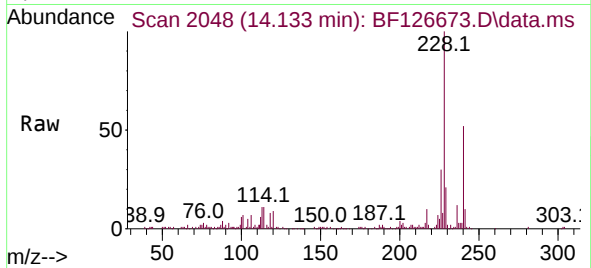




#81
Benzo(a)anthracene
Concen: 6.758 ng
RT: 14.133 min Scan# 2049
Delta R.T. -0.006 min
Lab File: BF126673.D
Acq: 25 Jan 2022 19:37

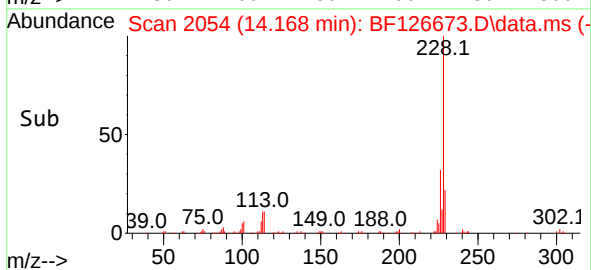
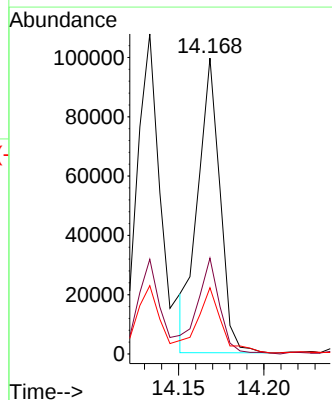
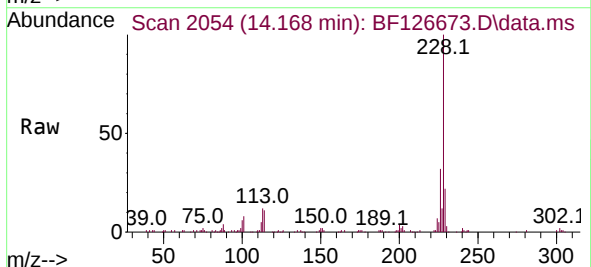
Instrument :
BNA_F
ClientSampleId :
SB-1(0.5-1)

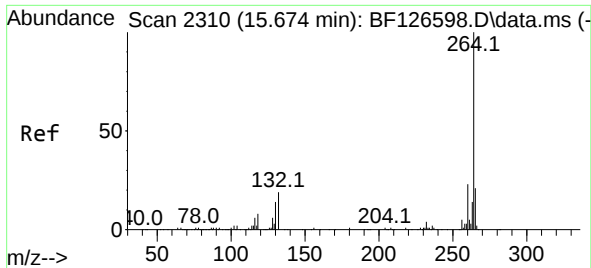
Tgt Ion:228 Resp: 97621
Ion Ratio Lower Upper
228 100
226 29.6 21.4 32.0
229 21.3 15.4 23.2



#83
Chrysene
Concen: 6.452 ng
RT: 14.168 min Scan# 2054
Delta R.T. -0.012 min
Lab File: BF126673.D
Acq: 25 Jan 2022 19:37

Tgt Ion:228 Resp: 89685
Ion Ratio Lower Upper
228 100
226 32.4 23.7 35.5
229 22.4 15.5 23.3

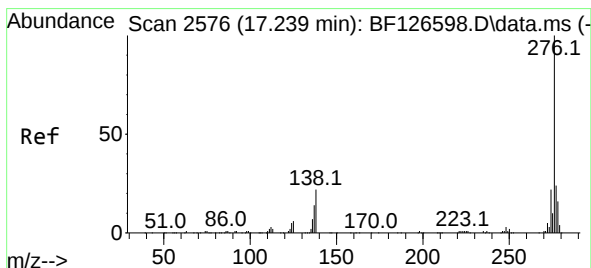
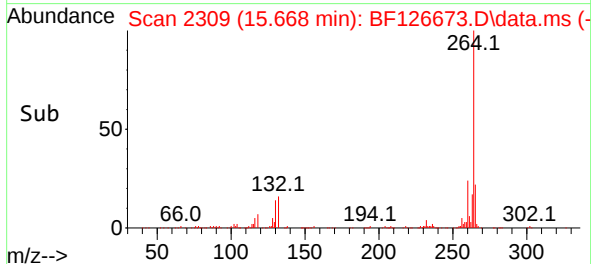
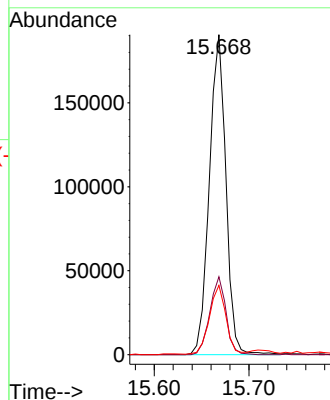
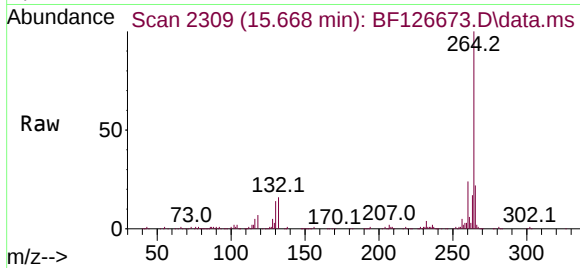




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.668 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF126673.D
 Acq: 25 Jan 2022 19:37

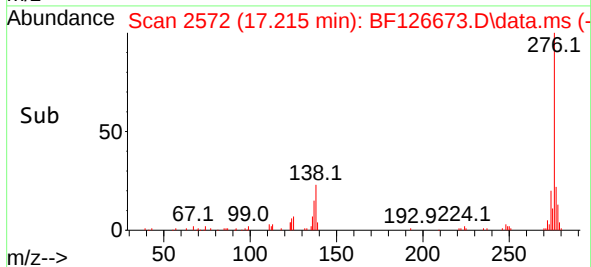
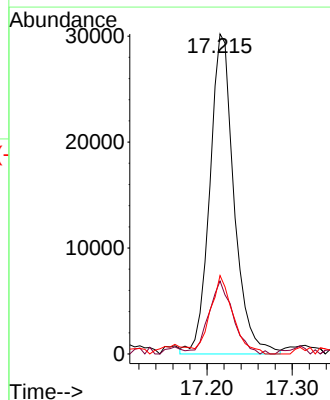
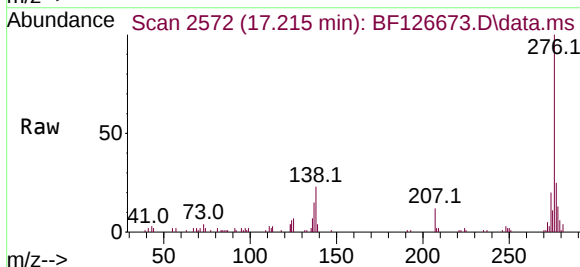
Instrument :
 BNA_F
 ClientSampleId :
 SB-1(0.5-1)

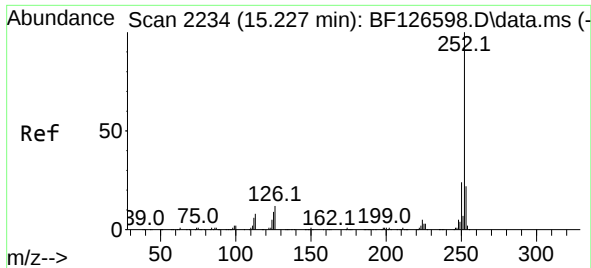
Tgt Ion:264 Resp: 231842
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.2 28.8
 265 21.7 17.4 26.2



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.166 ng
 RT: 17.215 min Scan# 2572
 Delta R.T. -0.024 min
 Lab File: BF126673.D
 Acq: 25 Jan 2022 19:37

Tgt Ion:276 Resp: 59671
 Ion Ratio Lower Upper
 276 100
 138 22.9 29.2 43.8#
 277 22.7 19.8 29.8

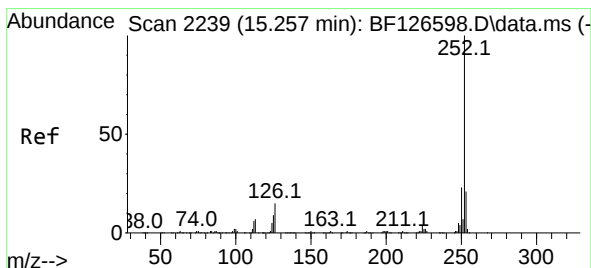
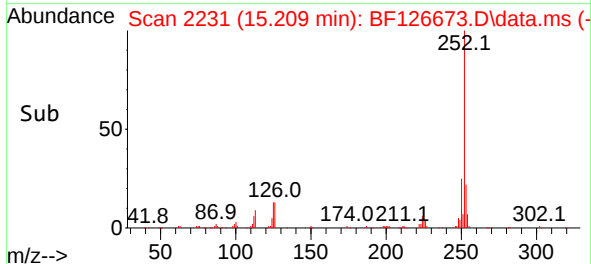
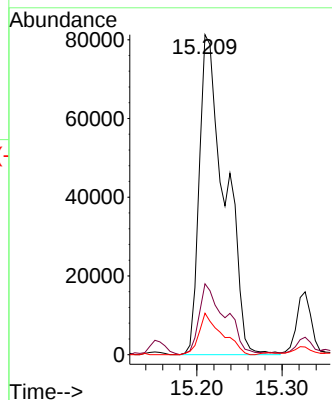
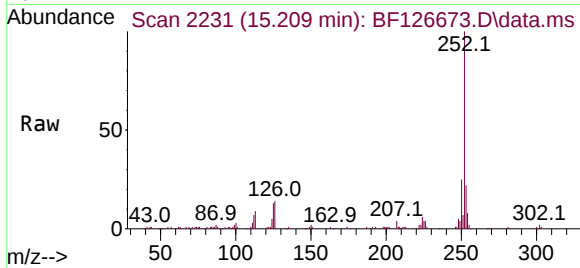




#88
Benzo(b)fluoranthene
Concen: 11.085 ng
RT: 15.209 min Scan# 2231
Delta R.T. -0.018 min
Lab File: BF126673.D
Acq: 25 Jan 2022 19:37

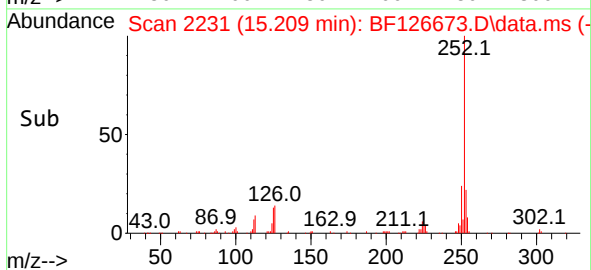
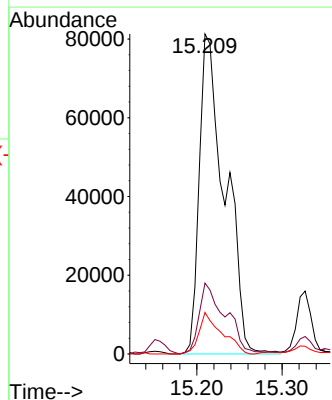
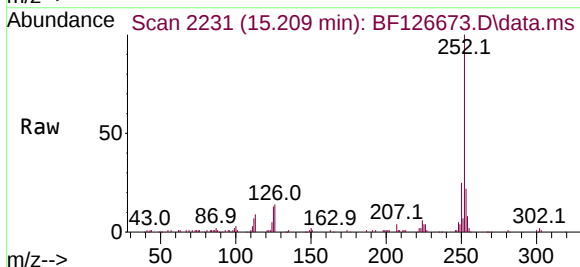
Instrument :
BNA_F
ClientSampleId :
SB-1(0.5-1)

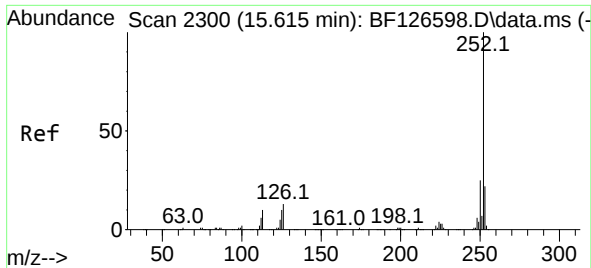
Tgt Ion:252 Resp: 170426
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.8
125 12.9 12.4 18.6



#89
Benzo(k)fluoranthene
Concen: 11.290 ng
RT: 15.209 min Scan# 2231
Delta R.T. -0.047 min
Lab File: BF126673.D
Acq: 25 Jan 2022 19:37

Tgt Ion:252 Resp: 170426
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 12.9 11.8 17.6

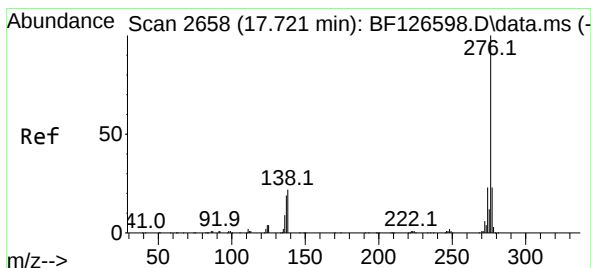
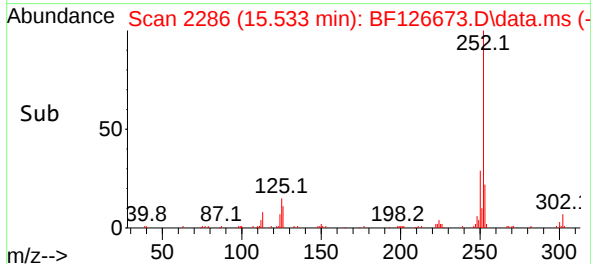
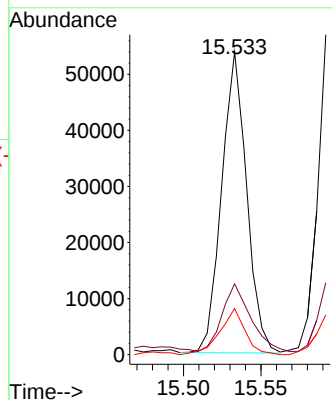
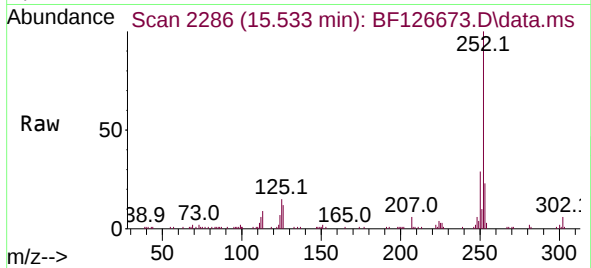




#90
Benzo(a)pyrene
Concen: 4.817 ng
RT: 15.533 min Scan# 21
Delta R.T. -0.082 min
Lab File: BF126673.D
Acq: 25 Jan 2022 19:37

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

Tgt Ion:252 Resp: 60257
Ion Ratio Lower Upper
252 100
253 23.4 17.1 25.7
125 15.2 13.0 19.6



#92
Benzo(g,h,i)perylene
Concen: 4.642 ng
RT: 17.692 min Scan# 2653
Delta R.T. -0.030 min
Lab File: BF126673.D
Acq: 25 Jan 2022 19:37

Tgt Ion:276 Resp: 54019
Ion Ratio Lower Upper
276 100
277 25.0 18.5 27.7
138 20.1 25.9 38.9#

