

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
 Data File : BF122883.D
 Acq On : 30 Dec 2020 17:29
 Operator : JU/CG
 Sample : L5242-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-2(484+26)

Quant Time: Dec 30 17:54:37 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 15 18:14:23 2020
 Response via : Initial Calibration

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

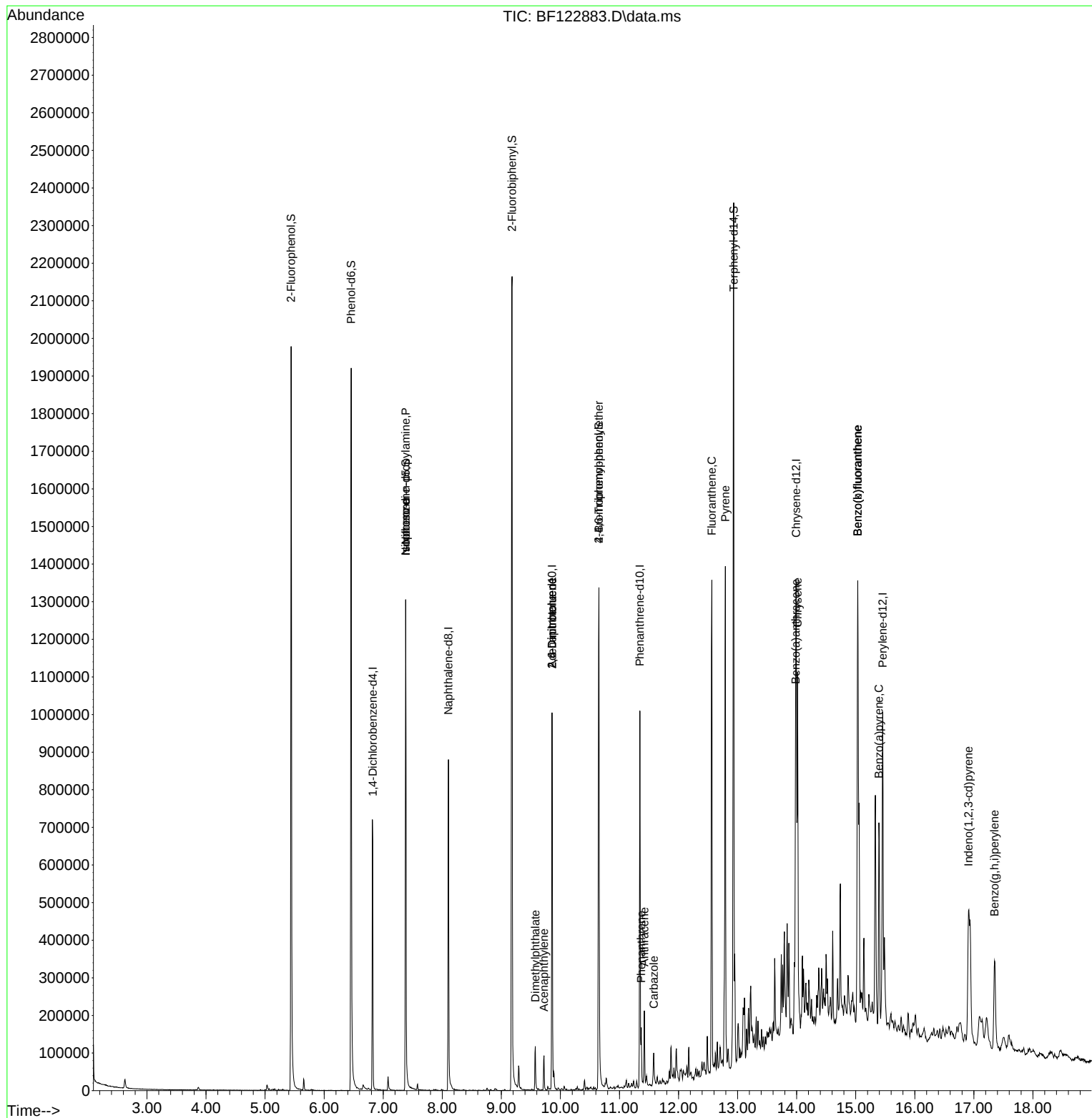
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	116228	20.00	ng	0.00
21) Naphthalene-d8	8.104	136	422307	20.00	ng	0.00
39) Acenaphthene-d10	9.857	164	207899	20.00	ng	0.00
64) Phenanthrene-d10	11.345	188	356980	20.00	ng	0.00
76) Chrysene-d12	13.992	240	335111	20.00	ng	0.00
86) Perylene-d12	15.457	264	371128	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	603558	82.21	ng	0.00
7) Phenol-d6	6.457	99	707614	72.68	ng	0.00
23) Nitrobenzene-d5	7.381	82	439713	52.17	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	206177	75.76	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	791618	51.50	ng	0.00
79) Terphenyl-d14	12.933	244	775731	40.52	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.381	70	58414	10.47	ng	# 77
25) Isophorone	7.381	82	439707	30.29	ng	# 65
49) Acenaphthylene	9.722	152	45456	2.15	ng	97
50) Dimethylphthalate	9.575	163	56391	3.40	ng	100
51) 2,6-Dinitrotoluene	9.857	165	26385	7.52	ng	# 32
57) 2,4-Dinitrotoluene	9.857	165	26385	5.65	ng	# 26
67) 4-Bromophenyl-phenylether	10.651	248	12202	2.52	ng	# 1
71) Phenanthrene	11.369	178	49328	2.33	ng	98
72) Anthracene	11.422	178	73485	3.49	ng	97
73) Carbazole	11.580	167	38650	2.03	ng	99
75) Fluoranthene	12.563	202	529823	23.81	ng	97
78) Pyrene	12.792	202	541004	20.88	ng	97
81) Benzo(a)anthracene	13.980	228	249878	11.16	ng	98
83) Chrysene	14.016	228	424266	19.04	ng	98
87) Indeno(1,2,3-cd)pyrene	16.910	276	214485	8.80	ng	96
88) Benzo(b)fluoranthene	15.033	252	854333	32.81	ng	98
89) Benzo(k)fluoranthene	15.033	252	854333	35.88	ng	100
90) Benzo(a)pyrene	15.392	252	254038	11.15	ng	96
92) Benzo(g,h,i)perylene	17.351	276	197029	10.21	ng	100

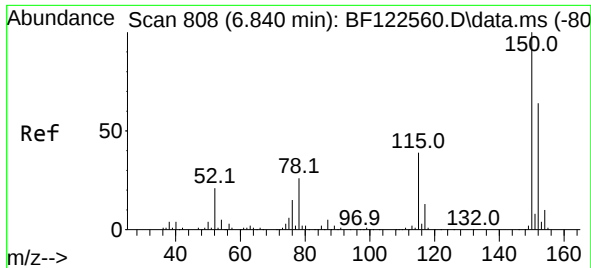
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
Data File : BF122883.D
Acq On : 30 Dec 2020 17:29
Operator : JU/CG
Sample : L5242-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-2(484+26)

Quant Time: Dec 30 17:54:37 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 15 18:14:23 2020
Response via : Initial Calibration

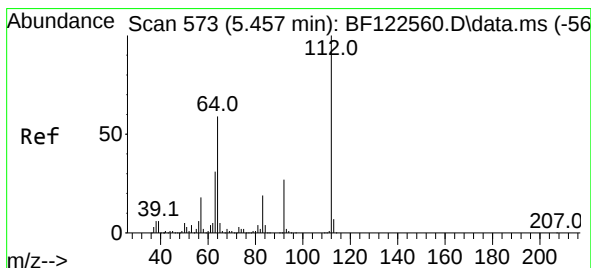
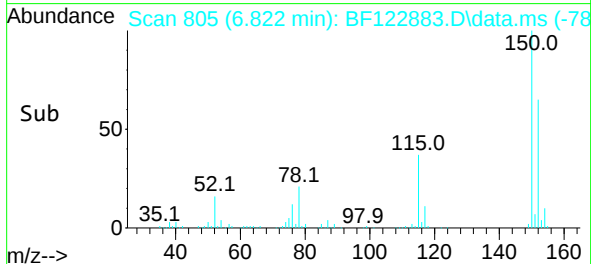
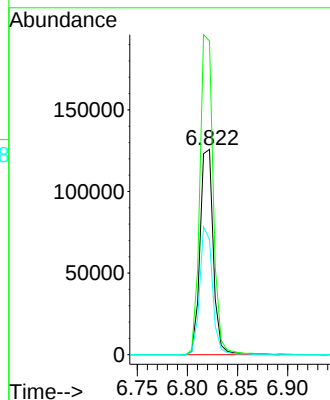
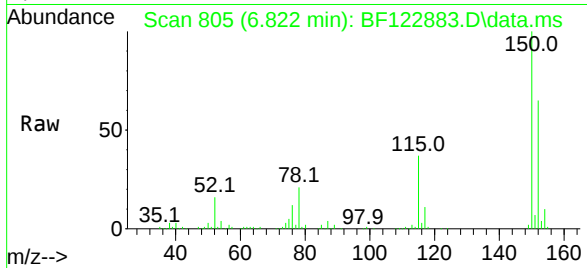




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.822 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF122883.D
Acq: 30 Dec 2020 17:29

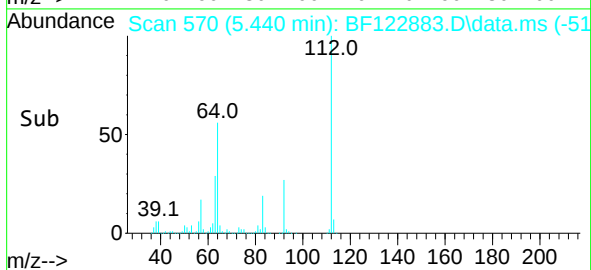
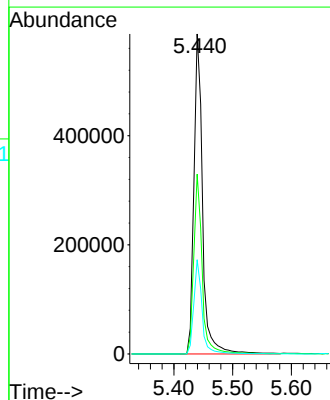
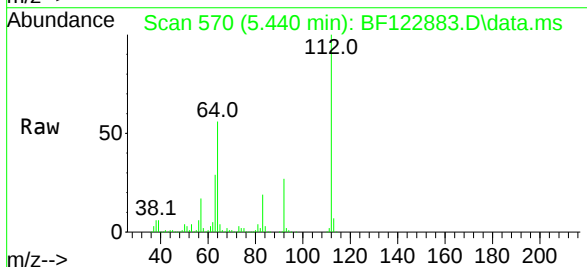
Instrument :
BNA_F
ClientSampleId :
SAMPLE-2(484+26)

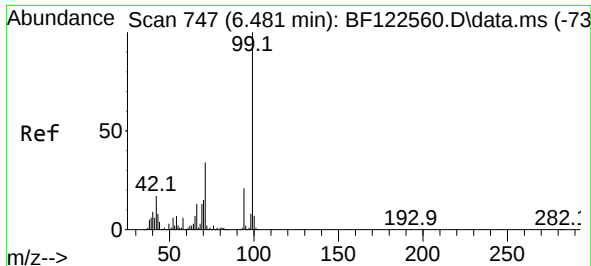
Tgt Ion:152 Resp: 116228
Ion Ratio Lower Upper
152 100
150 152.9 125.8 188.6
115 56.2 49.3 73.9



#5
2-Fluorophenol
Concen: 82.21 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.006 min
Lab File: BF122883.D
Acq: 30 Dec 2020 17:29

Tgt Ion:112 Resp: 603558
Ion Ratio Lower Upper
112 100
64 56.2 46.9 70.3
63 29.4 24.5 36.7

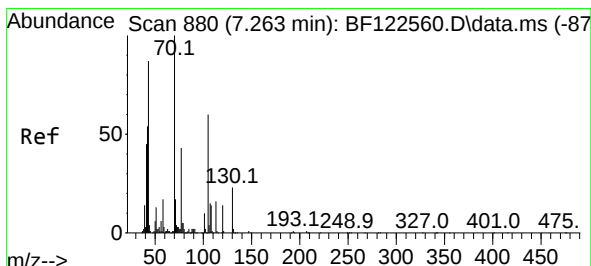
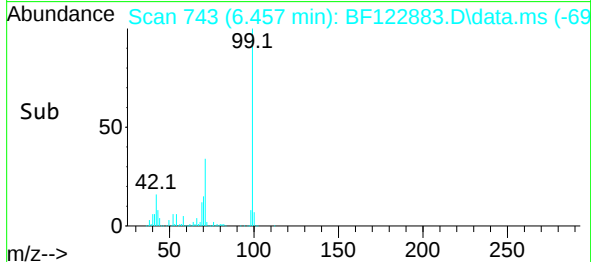
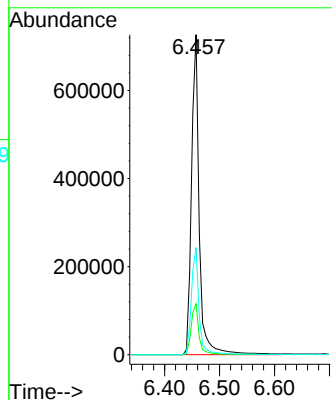
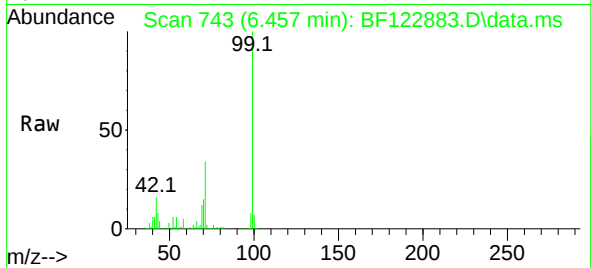




#7
Phenol-d6
Concen: 72.68 ng
RT: 6.457 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF122883.D
Acq: 30 Dec 2020 17:29

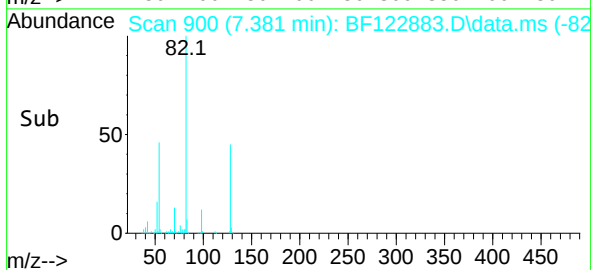
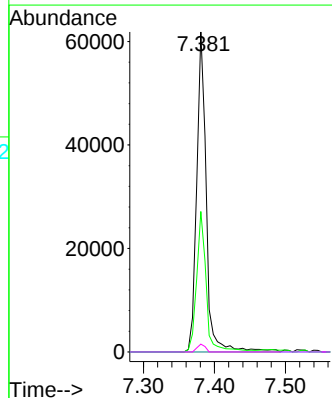
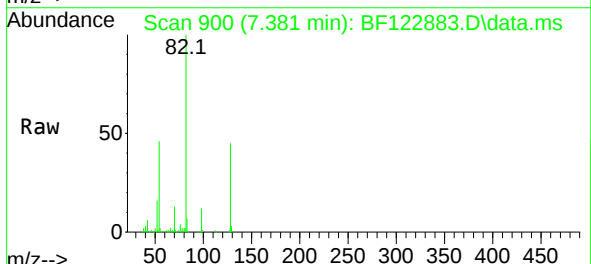
Instrument :
BNA_F
ClientSampleId :
SAMPLE-2(484+26)

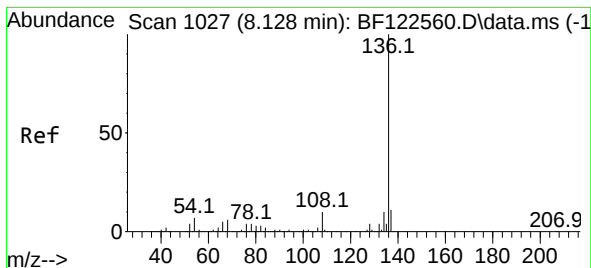
Tgt Ion: 99 Resp: 707614
Ion Ratio Lower Upper
99 100
42 15.9 13.8 20.6
71 33.5 26.9 40.3



#19
n-Nitroso-di-n-propylamine
Concen: 10.47 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.141 min
Lab File: BF122883.D
Acq: 30 Dec 2020 17:29

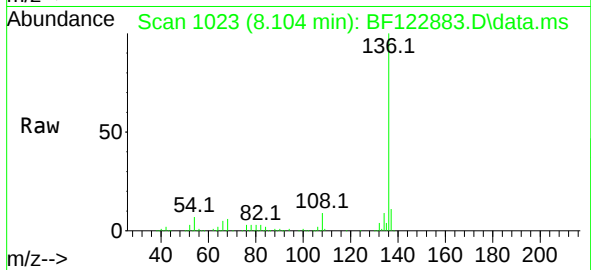
Tgt Ion: 70 Resp: 58414
Ion Ratio Lower Upper
70 100
42 43.9 43.0 64.4
101 0.0 7.9 11.9#
130 2.5 18.5 27.7#



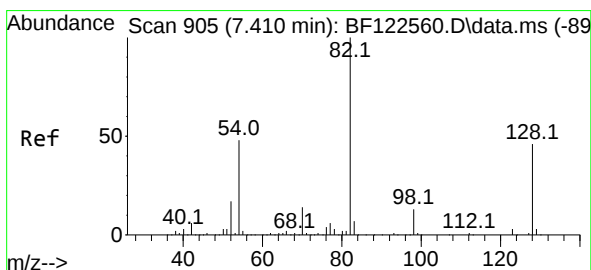
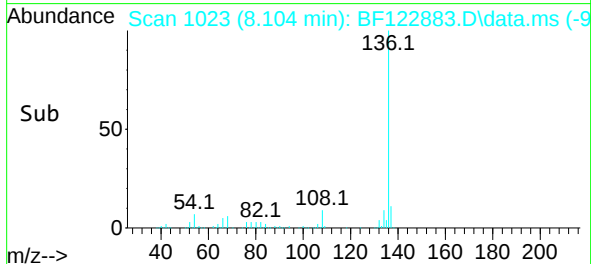
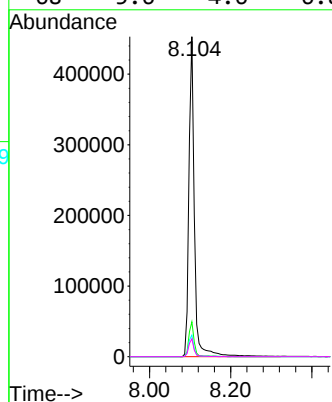


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF122883.D
Acq: 30 Dec 2020 17:29

Instrument :
BNA_F
ClientSampleId :
SAMPLE-2(484+26)

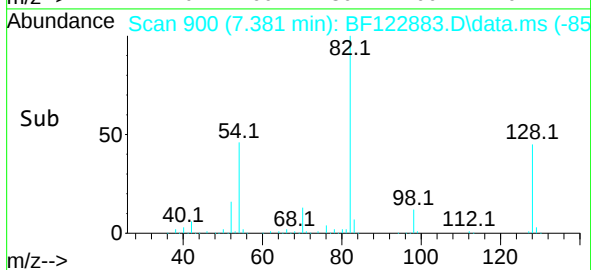
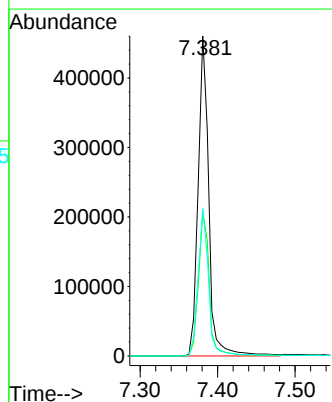
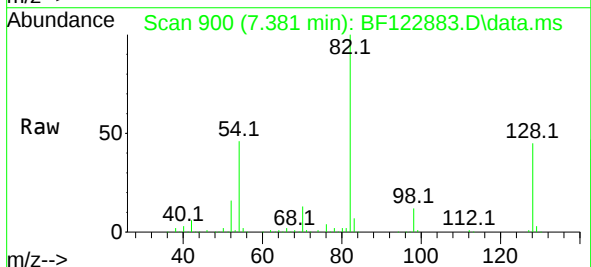


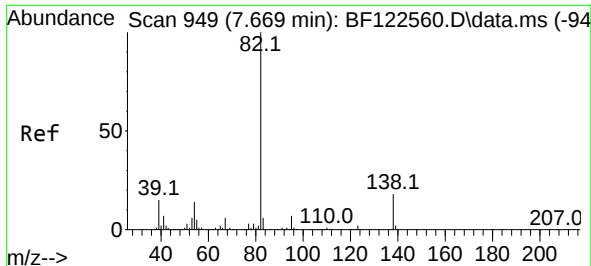
Tgt Ion:136 Resp: 422307
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 6.7 5.5 8.3
68 5.6 4.6 6.8



#23
Nitrobenzene-d5
Concen: 52.17 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.012 min
Lab File: BF122883.D
Acq: 30 Dec 2020 17:29

Tgt Ion: 82 Resp: 439713
Ion Ratio Lower Upper
82 100
128 45.1 37.0 55.4
54 46.0 38.4 57.6

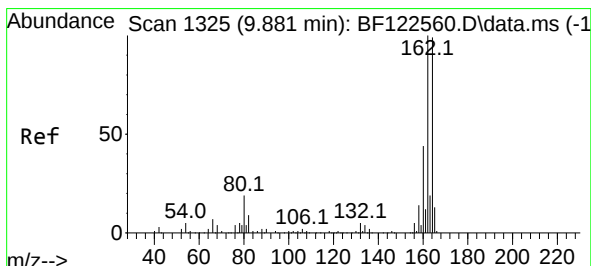
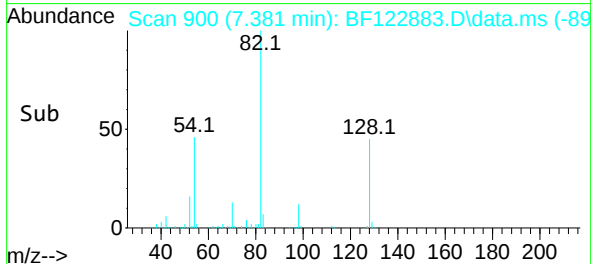
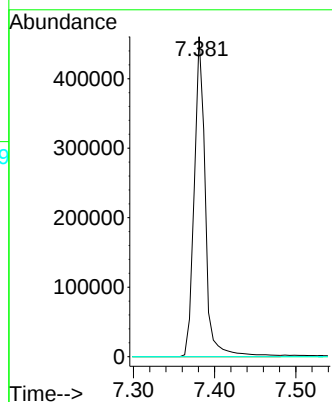
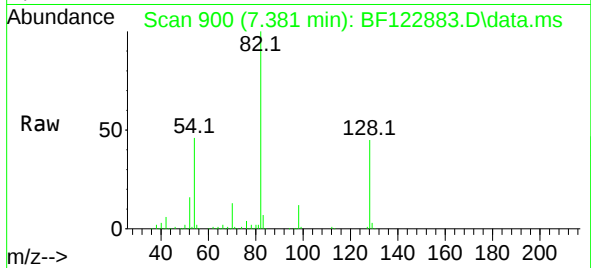




#25
Isophorone
Concen: 30.29 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.265 min
Lab File: BF122883.D
Acq: 30 Dec 2020 17:29

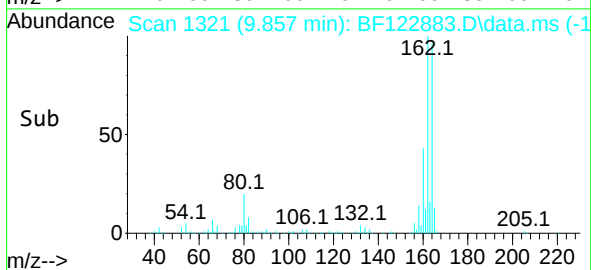
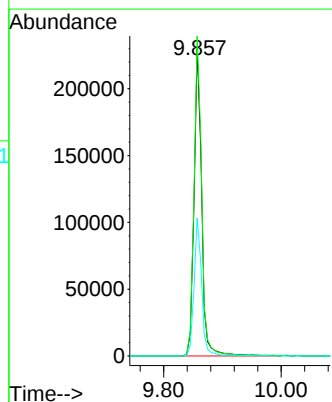
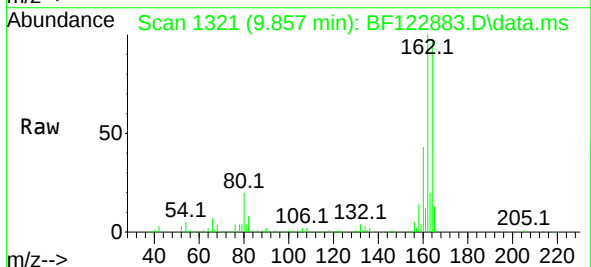
Instrument :
BNA_F
ClientSampleId :
SAMPLE-2(484+26)

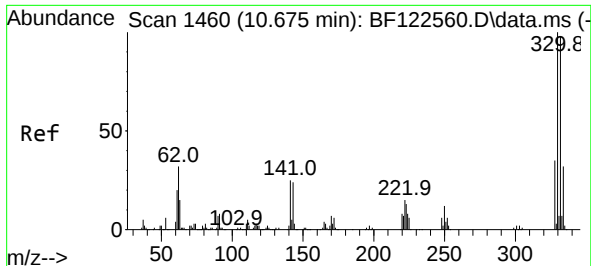
Tgt Ion: 82 Resp: 439707
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.6 21.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF122883.D
Acq: 30 Dec 2020 17:29

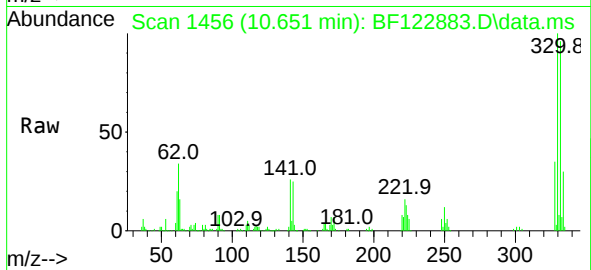
Tgt Ion: 164 Resp: 207899
Ion Ratio Lower Upper
164 100
162 104.1 80.8 121.2
160 44.9 35.4 53.0



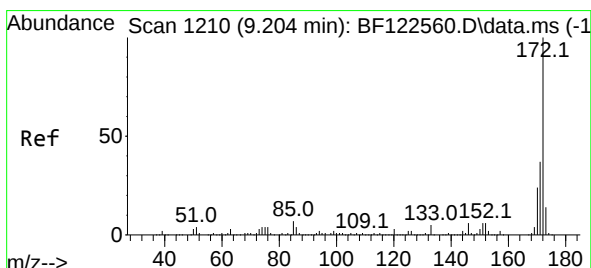
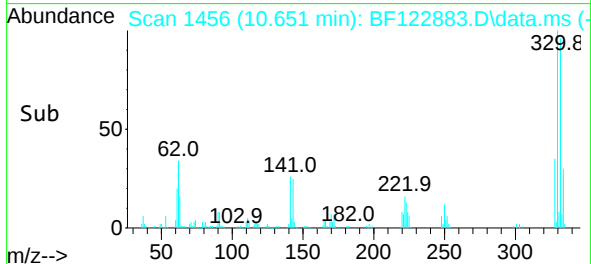
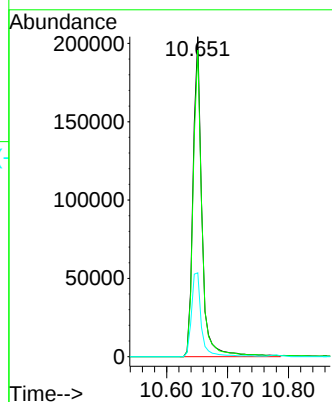


#42
2,4,6-Tribromophenol
Concen: 75.76 ng
RT: 10.651 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BF122883.D
Acq: 30 Dec 2020 17:29

Instrument :
BNA_F
ClientSampleId :
SAMPLE-2(484+26)

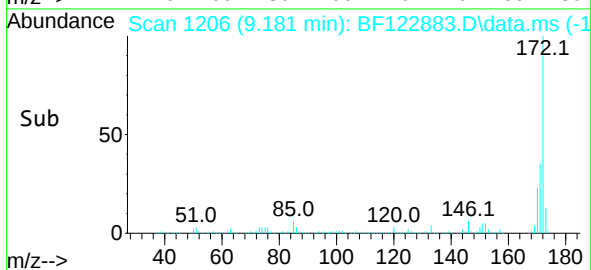
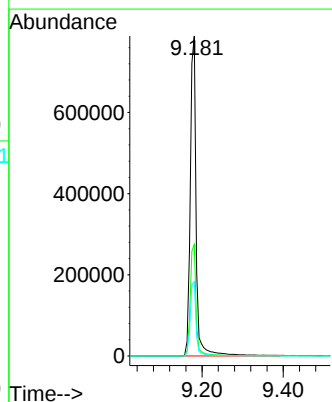
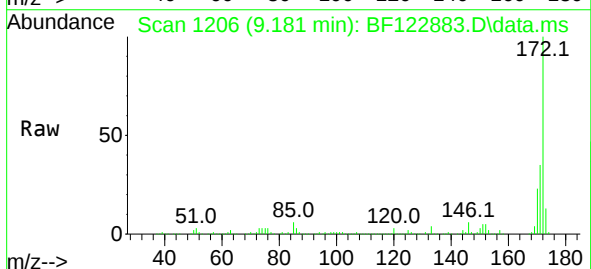


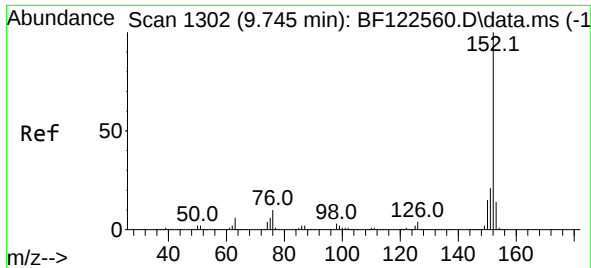
Tgt Ion: 330 Resp: 206177
Ion Ratio Lower Upper
330 100
332 96.9 77.5 116.3
141 28.9 23.8 35.8



#45
2-Fluorobiphenyl
Concen: 51.50 ng
RT: 9.181 min Scan# 1206
Delta R.T. -0.006 min
Lab File: BF122883.D
Acq: 30 Dec 2020 17:29

Tgt Ion: 172 Resp: 791618
Ion Ratio Lower Upper
172 100
171 34.8 29.6 44.4
170 23.2 19.5 29.3





#49

Acenaphthylene

Concen: 2.15 ng

RT: 9.722 min Scan# 1298

Delta R.T. -0.000 min

Lab File: BF122883.D

Acq: 30 Dec 2020 17:29

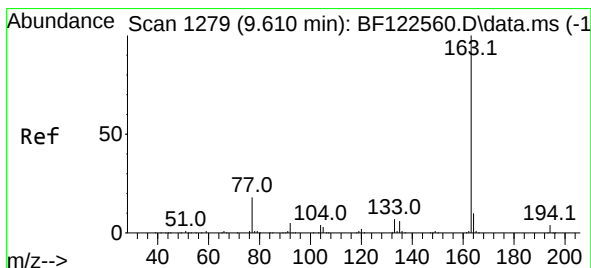
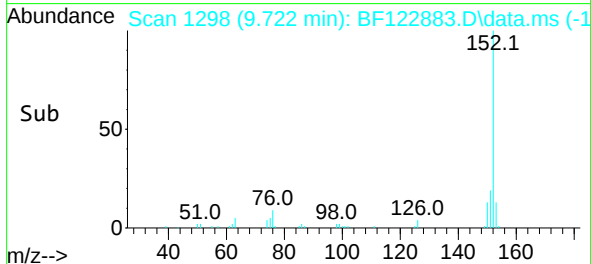
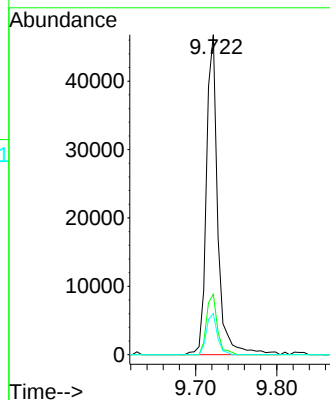
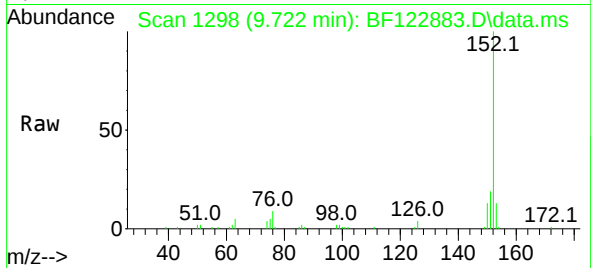
Tgt Ion:	152	Resp:	45456
Ion Ratio	Lower	Upper	
152	100		
151	18.9	16.6	25.0
153	12.9	10.9	16.3

Instrument :

BNA_F

ClientSampleId :

SAMPLE-2(484+26)



#50

Dimethylphthalate

Concen: 3.40 ng

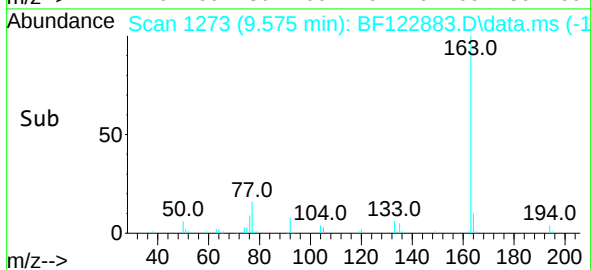
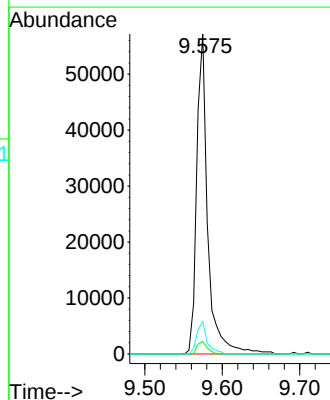
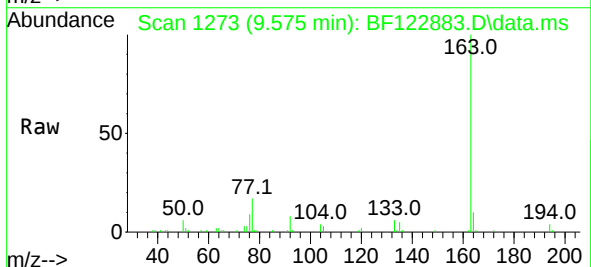
RT: 9.575 min Scan# 1273

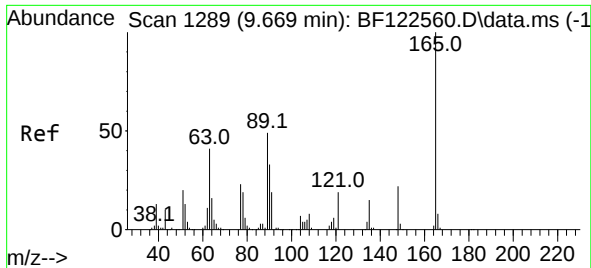
Delta R.T. -0.012 min

Lab File: BF122883.D

Acq: 30 Dec 2020 17:29

Tgt Ion:	163	Resp:	56391
Ion Ratio	Lower	Upper	
163	100		
194	3.9	3.4	5.0
164	10.1	8.1	12.1

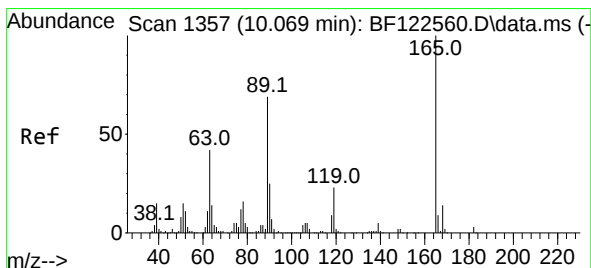
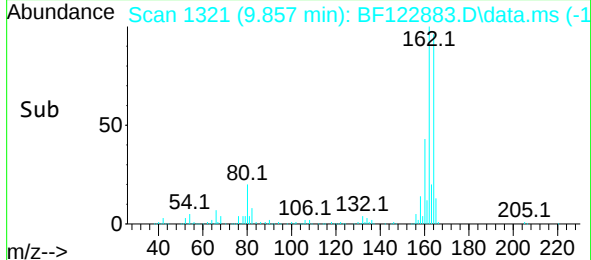
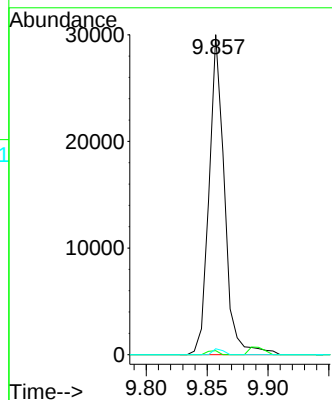
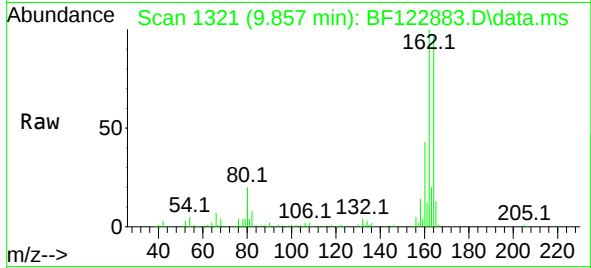




#51
2,6-Dinitrotoluene
Concen: 7.52 ng
RT: 9.857 min Scan# 1321
Delta R.T. 0.212 min
Lab File: BF122883.D
Acq: 30 Dec 2020 17:29

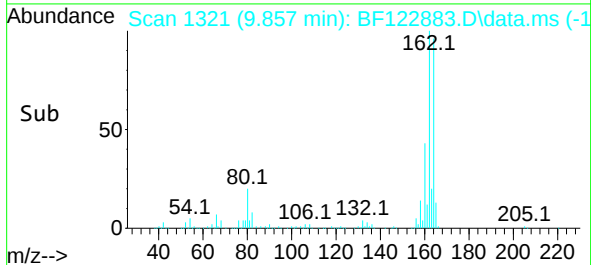
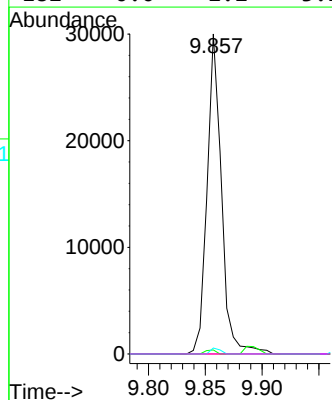
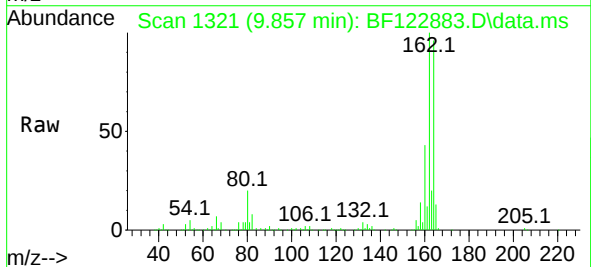
Instrument :
BNA_F
ClientSampleId :
SAMPLE-2(484+26)

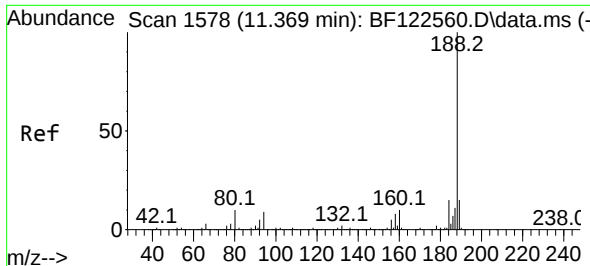
Tgt Ion:165 Resp: 26385
Ion Ratio Lower Upper
165 100
63 1.2 36.6 55.0#
89 1.9 39.4 59.0#



#57
2,4-Dinitrotoluene
Concen: 5.65 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.194 min
Lab File: BF122883.D
Acq: 30 Dec 2020 17:29

Tgt Ion:165 Resp: 26385
Ion Ratio Lower Upper
165 100
63 1.2 34.3 51.5#
89 1.9 55.2 82.8#
182 0.0 2.2 3.2#

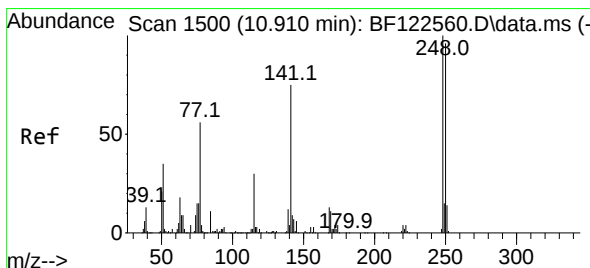
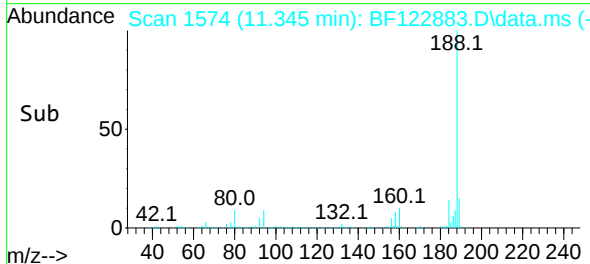
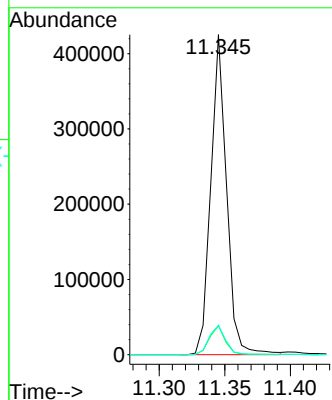
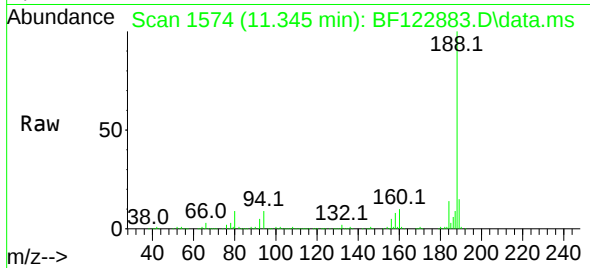




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF122883.D
Acq: 30 Dec 2020 17:29

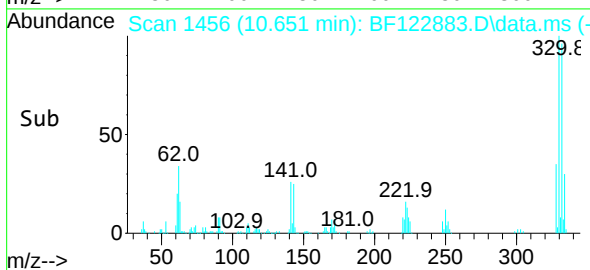
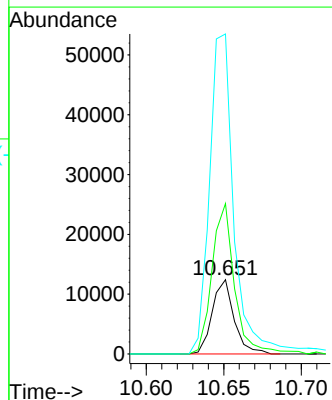
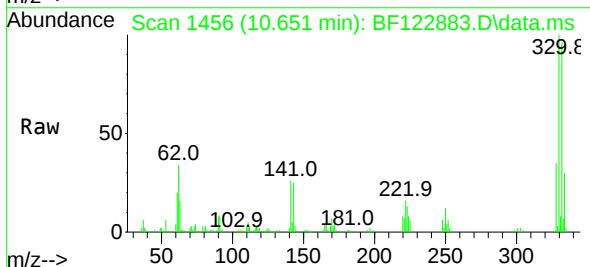
Instrument :
BNA_F
ClientSampleId :
SAMPLE-2(484+26)

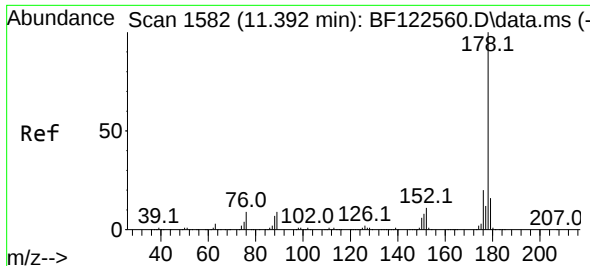
Tgt Ion:188 Resp: 356980
Ion Ratio Lower Upper
188 100
94 9.1 7.4 11.2
80 9.2 8.2 12.4



#67
4-Bromophenyl-phenylether
Concen: 2.52 ng
RT: 10.651 min Scan# 1456
Delta R.T. -0.241 min
Lab File: BF122883.D
Acq: 30 Dec 2020 17:29

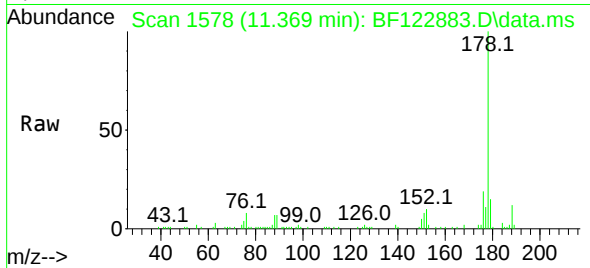
Tgt Ion:248 Resp: 12202
Ion Ratio Lower Upper
248 100
250 202.5 76.8 115.2#
141 431.1 59.8 89.8#



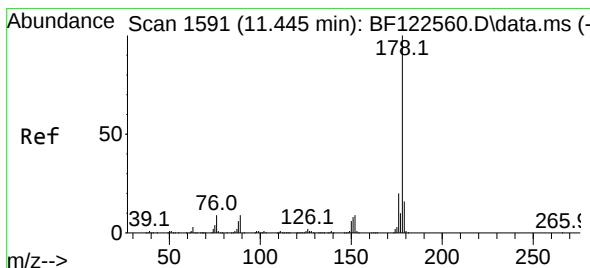
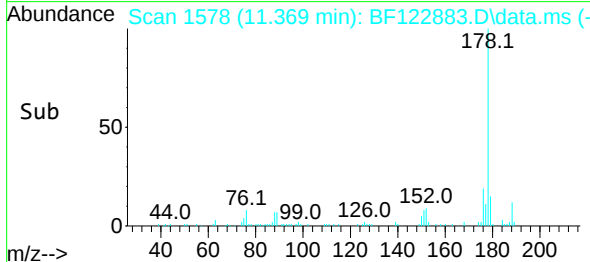
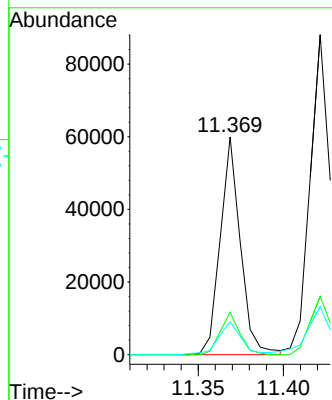


#71
Phenanthrene
Concen: 2.33 ng
RT: 11.369 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BF122883.D
Acq: 30 Dec 2020 17:29

Instrument :
BNA_F
ClientSampleId :
SAMPLE-2(484+26)

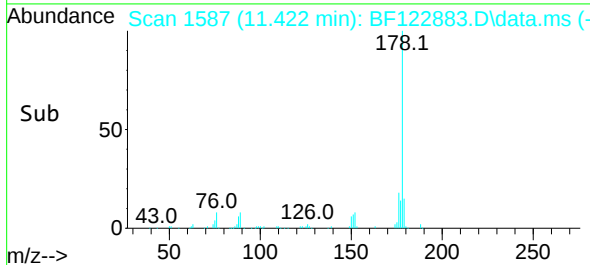
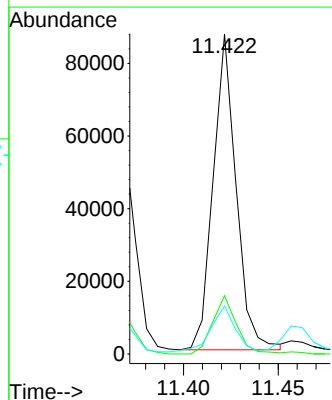
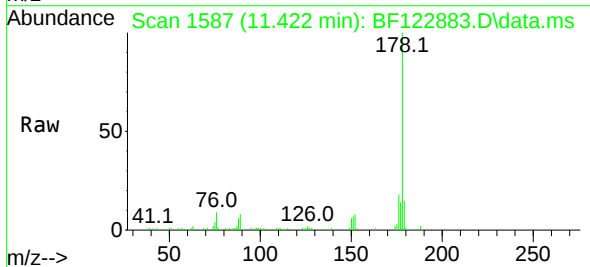


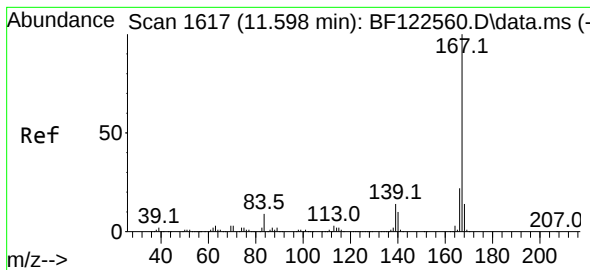
Tgt Ion:178 Resp: 49328
Ion Ratio Lower Upper
178 100
176 19.5 16.2 24.2
179 15.1 12.7 19.1



#72
Anthracene
Concen: 3.49 ng
RT: 11.422 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BF122883.D
Acq: 30 Dec 2020 17:29

Tgt Ion:178 Resp: 73485
Ion Ratio Lower Upper
178 100
176 18.2 15.6 23.4
179 15.0 12.8 19.2

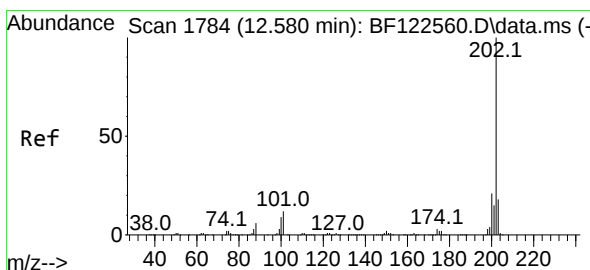
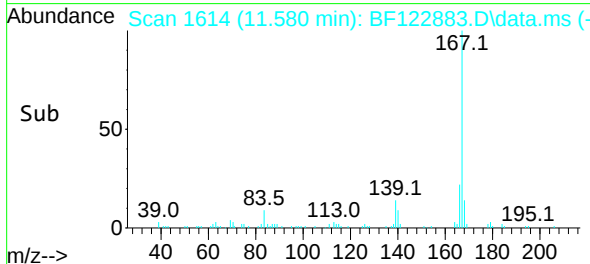
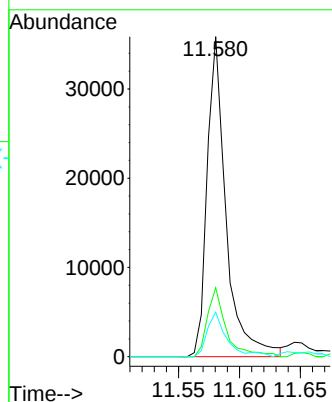
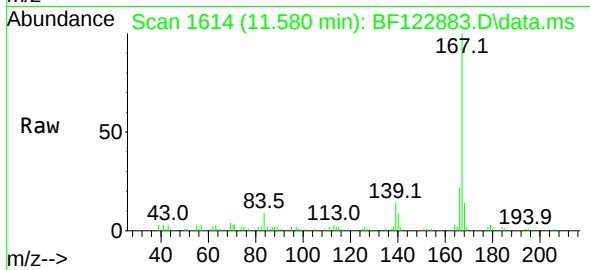




#73
 Carbazole
 Concen: 2.03 ng
 RT: 11.580 min Scan# 1614
 Delta R.T. 0.006 min
 Lab File: BF122883.D
 Acq: 30 Dec 2020 17:29

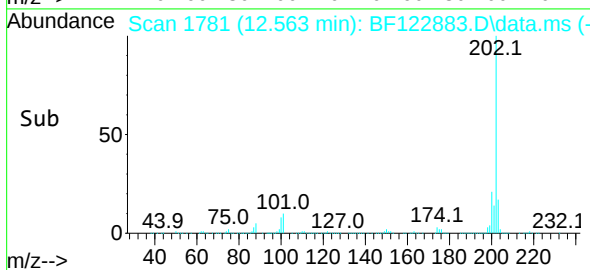
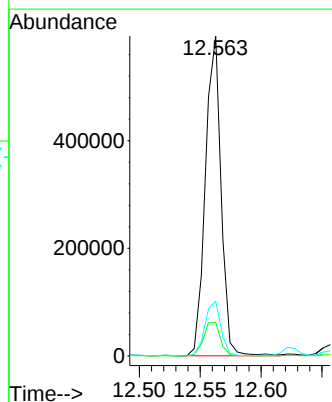
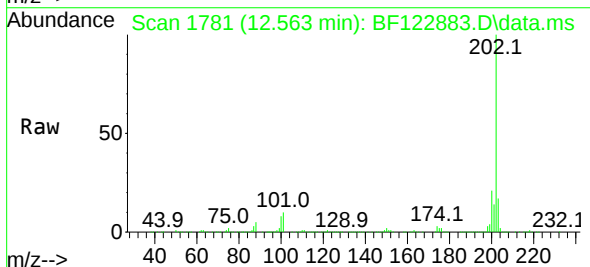
Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-2(484+26)

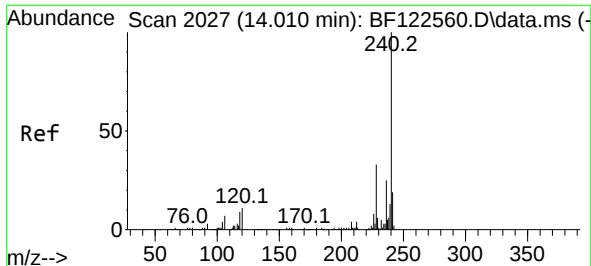
Tgt Ion:167	Resp:	38650
Ion Ratio	Lower	Upper
167	100	
166	21.6	18.0 27.0
139	13.9	10.9 16.3



#75
 Fluoranthene
 Concen: 23.81 ng
 RT: 12.563 min Scan# 1781
 Delta R.T. 0.006 min
 Lab File: BF122883.D
 Acq: 30 Dec 2020 17:29

Tgt Ion:202	Resp:	529823
Ion Ratio	Lower	Upper
202	100	
101	10.5	0.0 32.2
203	17.1	0.0 38.1

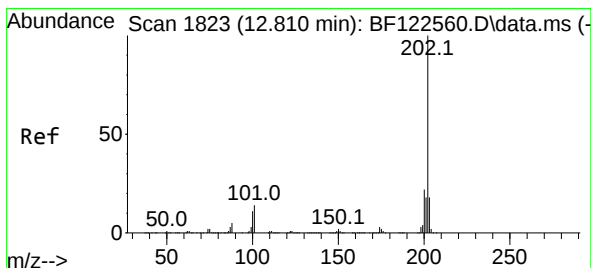
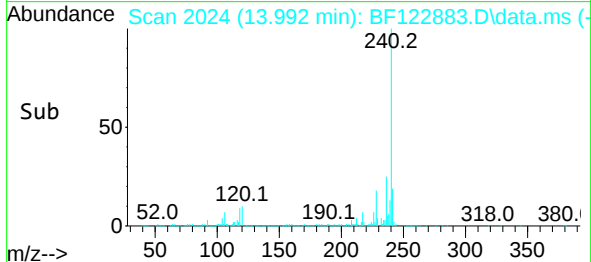
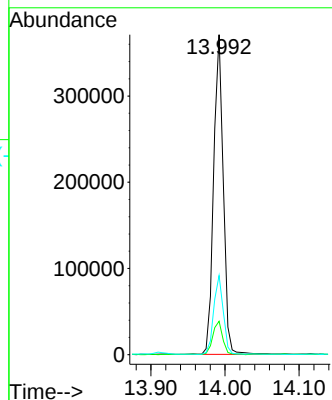
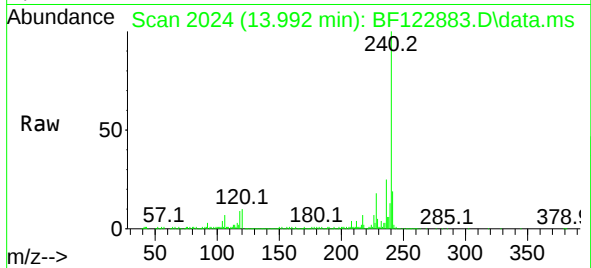




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.992 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF122883.D
Acq: 30 Dec 2020 17:29

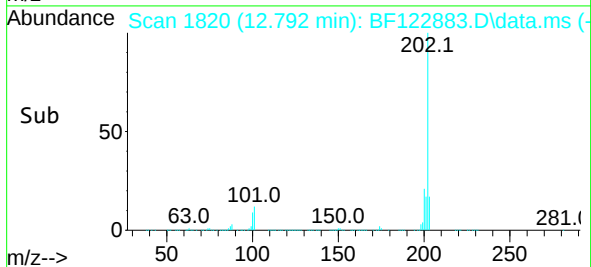
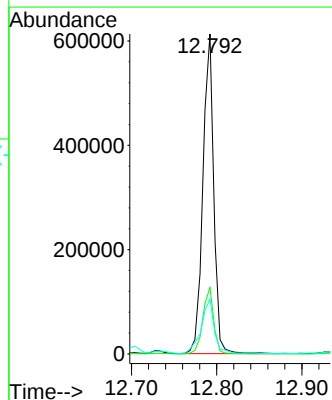
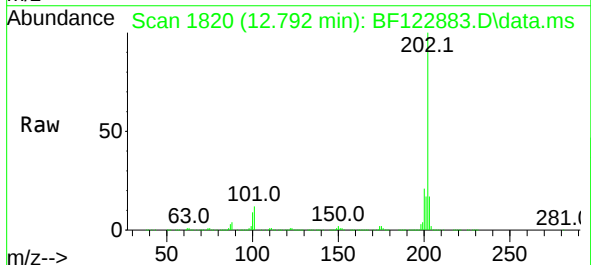
Instrument :
BNA_F
ClientSampleId :
SAMPLE-2(484+26)

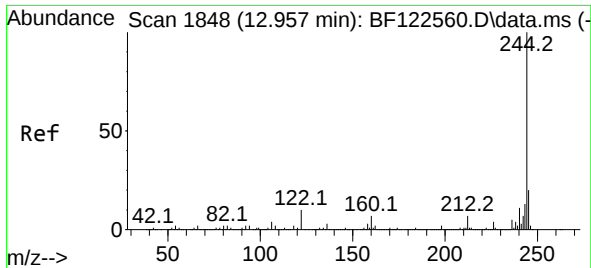
Tgt Ion:240 Resp: 335111
Ion Ratio Lower Upper
240 100
120 10.4 8.6 12.8
236 24.7 20.3 30.5



#78
Pyrene
Concen: 20.88 ng
RT: 12.792 min Scan# 1820
Delta R.T. 0.006 min
Lab File: BF122883.D
Acq: 30 Dec 2020 17:29

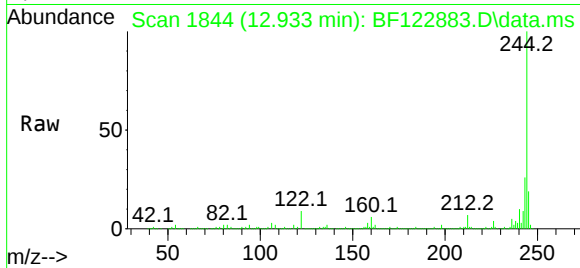
Tgt Ion:202 Resp: 541004
Ion Ratio Lower Upper
202 100
200 20.7 17.6 26.4
203 17.1 14.6 21.8



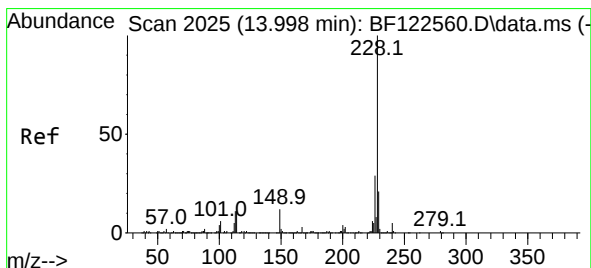
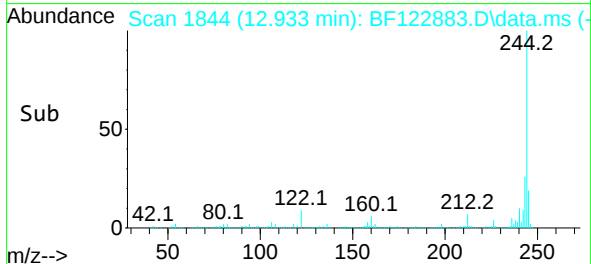
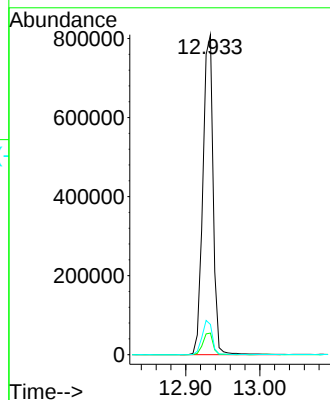


#79
 Terphenyl-d14
 Concen: 40.52 ng
 RT: 12.933 min Scan# 1844
 Delta R.T. -0.000 min
 Lab File: BF122883.D
 Acq: 30 Dec 2020 17:29

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-2(484+26)

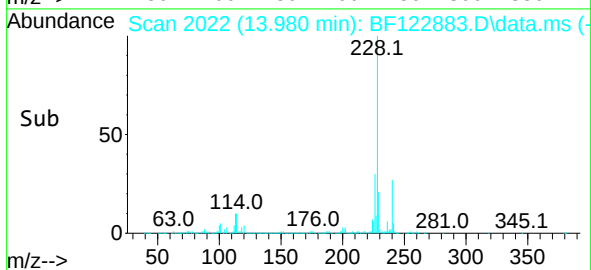
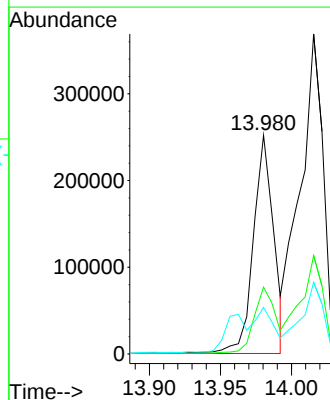
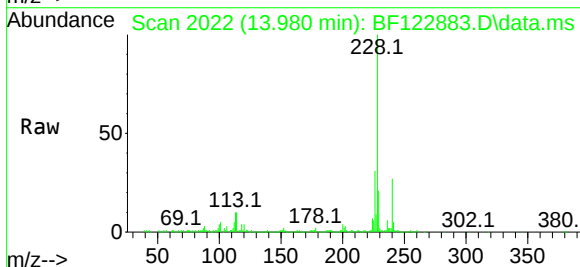


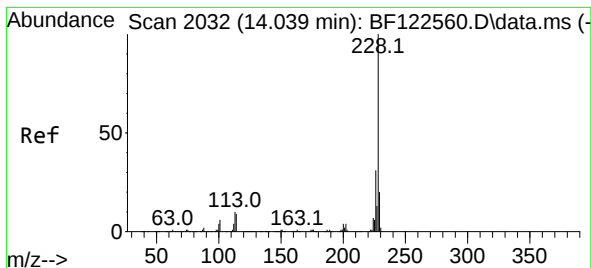
Tgt Ion:244 Resp: 775731
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.7 8.5
 122 9.4 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 11.16 ng
 RT: 13.980 min Scan# 2022
 Delta R.T. 0.006 min
 Lab File: BF122883.D
 Acq: 30 Dec 2020 17:29

Tgt Ion:228 Resp: 249878
 Ion Ratio Lower Upper
 228 100
 226 30.6 23.0 34.4
 229 21.2 16.6 24.8





#83

Chrysene

Concen: 19.04 ng

RT: 14.016 min Scan# 2028

Delta R.T. -0.000 min

Lab File: BF122883.D

Acq: 30 Dec 2020 17:29

Tgt Ion:228 Resp: 424266

Ion Ratio Lower Upper

228 100

226 30.8 24.6 36.8

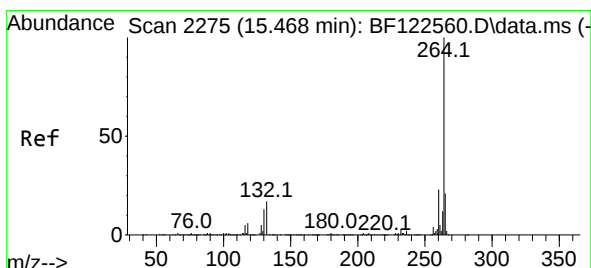
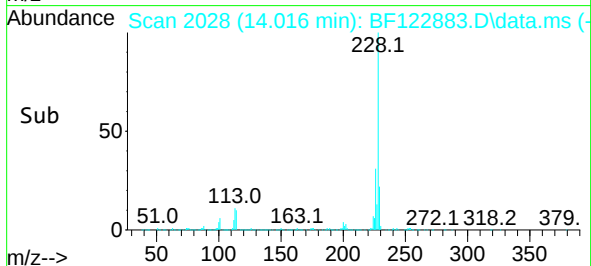
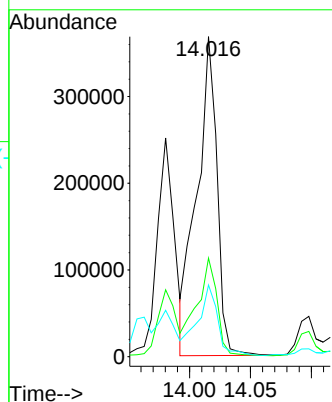
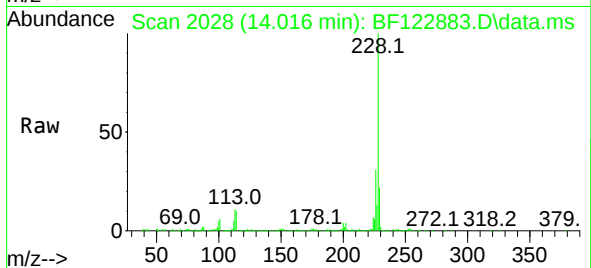
229 22.4 15.8 23.6

Instrument :

BNA_F

ClientSampleId :

SAMPLE-2(484+26)



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.457 min Scan# 2273

Delta R.T. 0.018 min

Lab File: BF122883.D

Acq: 30 Dec 2020 17:29

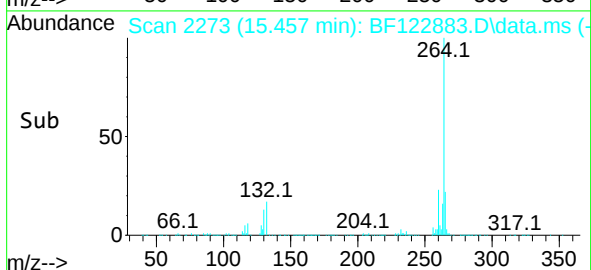
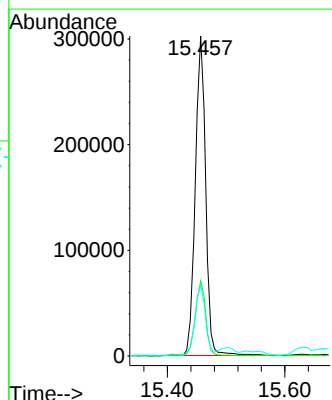
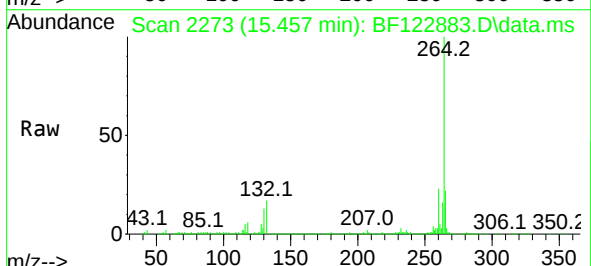
Tgt Ion:264 Resp: 371128

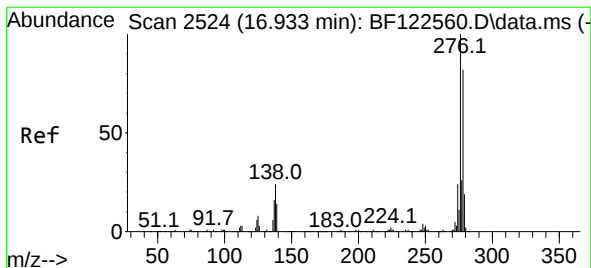
Ion Ratio Lower Upper

264 100

260 23.5 18.6 28.0

265 22.2 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.80 ng

RT: 16.910 min Scan# 2520

Delta R.T. 0.018 min

Lab File: BF122883.D

Acq: 30 Dec 2020 17:29

Tgt Ion:276 Resp: 214485

Ion Ratio Lower Upper

276 100

138 20.0 18.7 28.1

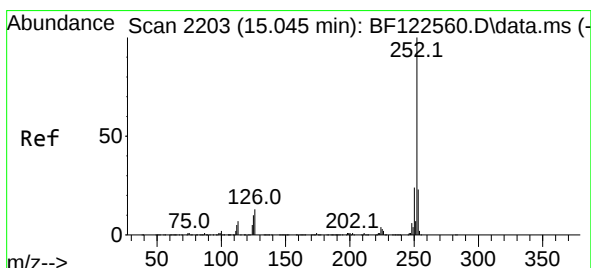
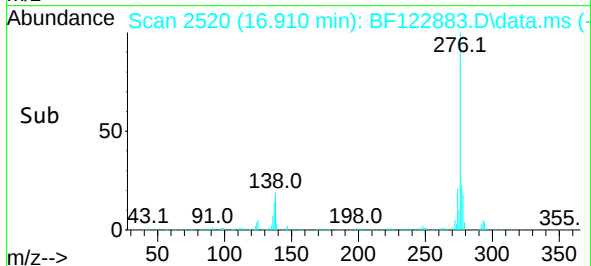
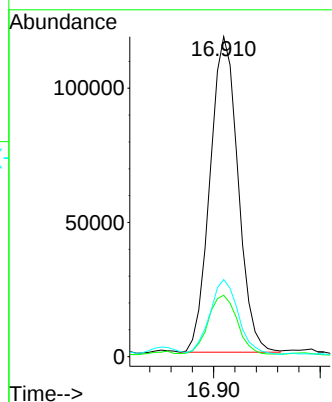
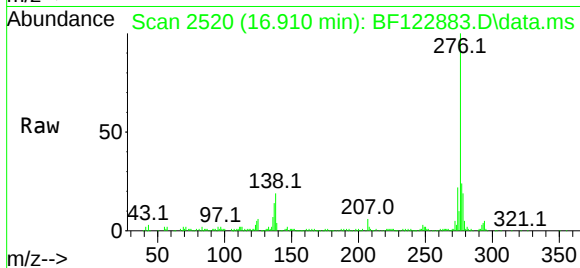
277 24.2 20.2 30.4

Instrument :

BNA_F

ClientSampleId :

SAMPLE-2(484+26)



#88

Benzo(b)fluoranthene

Concen: 32.81 ng

RT: 15.033 min Scan# 2201

Delta R.T. 0.012 min

Lab File: BF122883.D

Acq: 30 Dec 2020 17:29

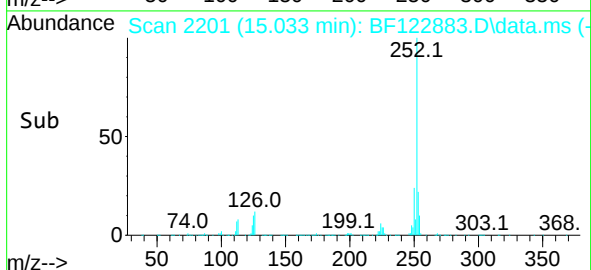
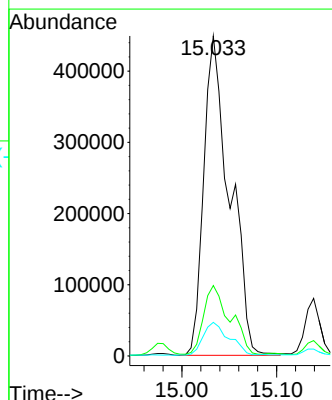
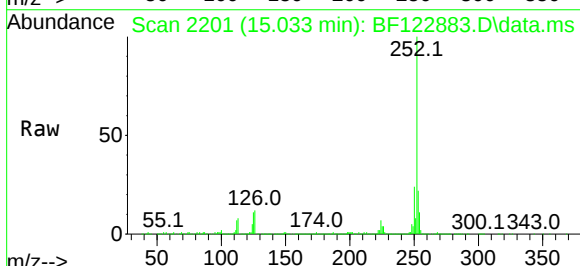
Tgt Ion:252 Resp: 854333

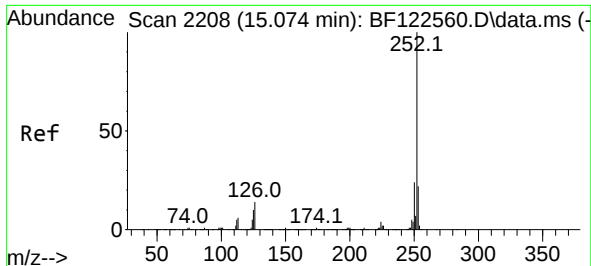
Ion Ratio Lower Upper

252 100

253 22.0 18.3 27.5

125 10.5 8.1 12.1

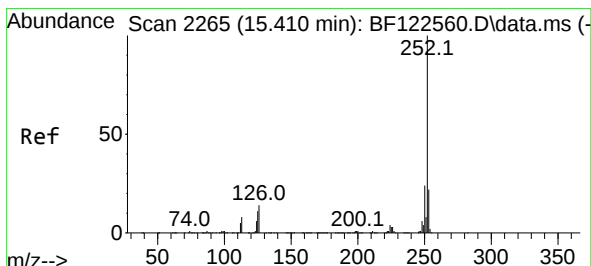
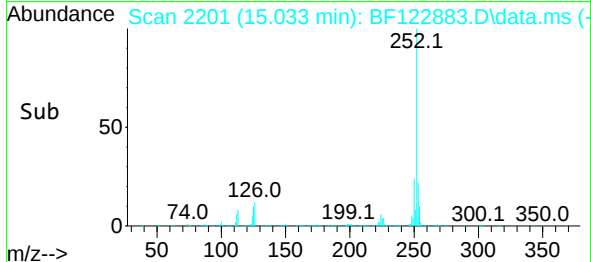
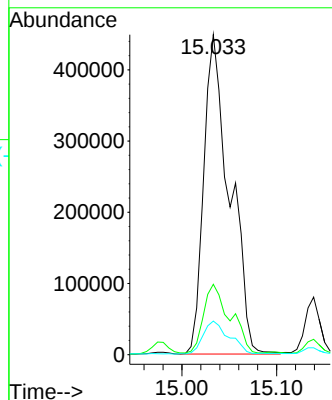
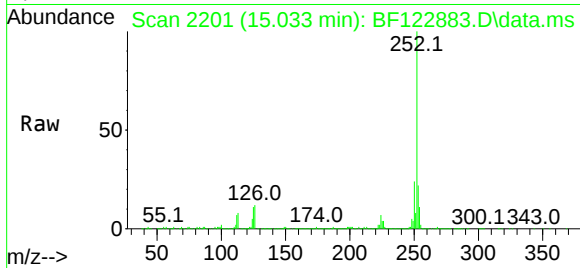




#89
Benzo(k)fluoranthene
Concen: 35.88 ng
RT: 15.033 min Scan# 2201
Delta R.T. -0.018 min
Lab File: BF122883.D
Acq: 30 Dec 2020 17:29

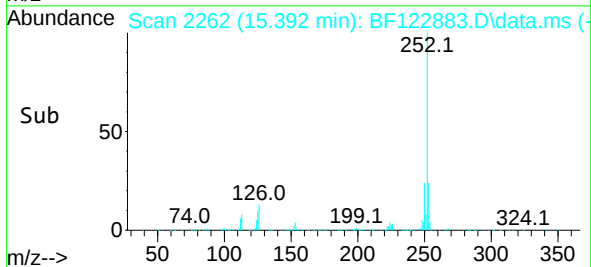
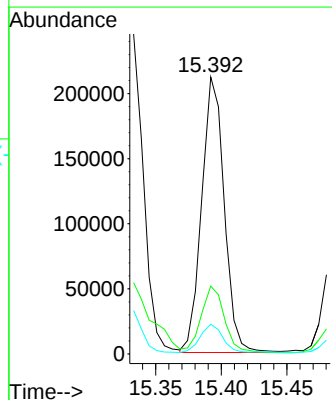
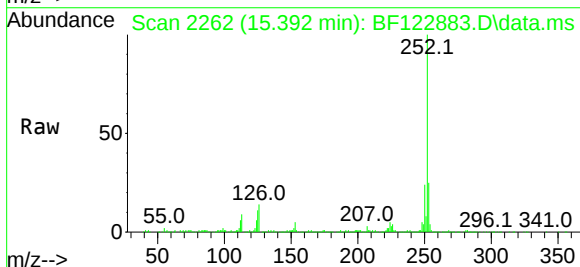
Instrument :
BNA_F
ClientSampleId :
SAMPLE-2(484+26)

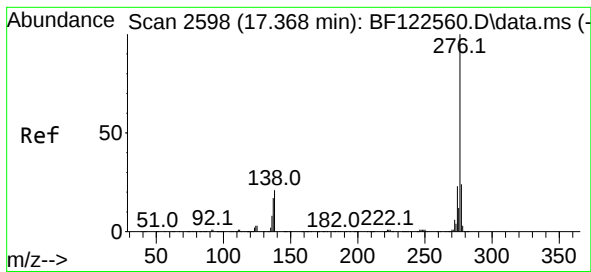
Tgt Ion:252 Resp: 854333
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.8
125 10.5 8.4 12.6



#90
Benzo(a)pyrene
Concen: 11.15 ng
RT: 15.392 min Scan# 2262
Delta R.T. 0.012 min
Lab File: BF122883.D
Acq: 30 Dec 2020 17:29

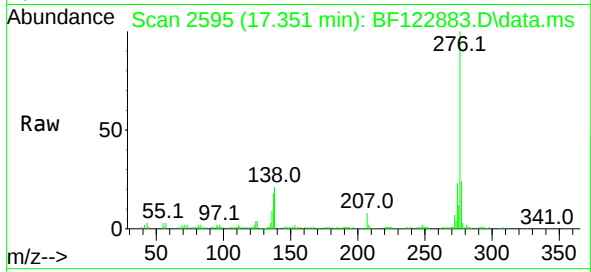
Tgt Ion:252 Resp: 254038
Ion Ratio Lower Upper
252 100
253 24.5 17.5 26.3
125 10.7 8.6 12.8





#92
Benzo(g,h,i)perylene
Concen: 10.21 ng
RT: 17.351 min Scan# 2595
Delta R.T. 0.023 min
Lab File: BF122883.D
Acq: 30 Dec 2020 17:29

Instrument :
BNA_F
ClientSampleId :
SAMPLE-2(484+26)



Tgt Ion:276 Resp: 197029
Ion Ratio Lower Upper
276 100
277 24.1 19.3 28.9
138 20.7 16.6 24.8

