

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030723\
 Data File : BF132683.D
 Acq On : 07 Mar 2023 18:01
 Operator : CG\JU
 Sample : 01825-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HH-TP1-0306

Quant Time: Mar 08 04:41:27 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 07 13:42:31 2023
 Response via : Initial Calibration

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

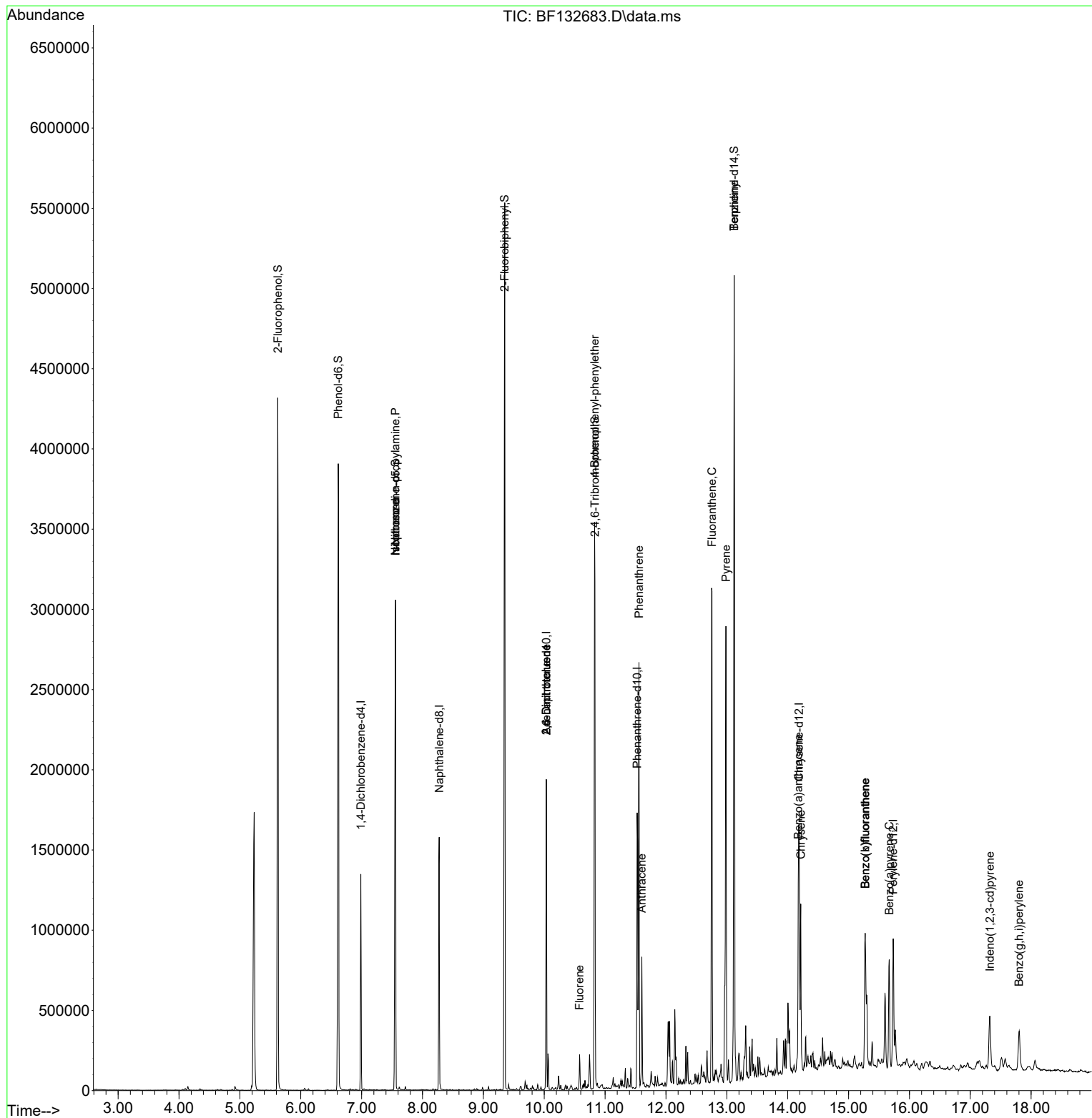
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.987	152	181813	20.000	ng	0.00
21) Naphthalene-d8	8.275	136	681827	20.000	ng	0.00
39) Acenaphthene-d10	10.034	164	360849	20.000	ng	0.00
64) Phenanthrene-d10	11.528	188	675860	20.000	ng	0.00
76) Chrysene-d12	14.186	240	363492	20.000	ng	#-0.01
86) Perylene-d12	15.733	264	381582	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.622	112	1332175	118.918	ng	0.00
7) Phenol-d6	6.616	99	1719220	117.592	ng	0.00
23) Nitrobenzene-d5	7.557	82	1132953	78.836	ng	0.00
42) 2,4,6-Tribromophenol	10.834	330	468303	120.170	ng	0.00
45) 2-Fluorobiphenyl	9.351	172	1703137	71.867	ng	0.00
79) Terphenyl-d14	13.122	244	1845567	85.845	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.557	70	148742	16.531	ng	# 74
25) Isophorone	7.557	82	1132938	41.119	ng	# 67
51) 2,6-Dinitrotoluene	10.034	165	47362	7.915	ng	# 23
57) 2,4-Dinitrotoluene	10.034	165	47362	5.950	ng	# 21
58) Fluorene	10.581	166	53296	2.184	ng	99
67) 4-Bromophenyl-phenylether	10.828	248	30400	3.976	ng	# 1
71) Phenanthrene	11.557	178	957252	27.340	ng	98
72) Anthracene	11.604	178	280930	7.792	ng	99
75) Fluoranthene	12.757	202	1367387	35.724	ng	98
77) Benzidine	13.122	184	26224	2.964	ng	# 92
78) Pyrene	12.986	202	1172146	35.468	ng	99
81) Benzo(a)anthracene	14.175	228	479851	17.643	ng	98
83) Chrysene	14.216	228	423541	16.653	ng	97
87) Indeno(1,2,3-cd)pyrene	17.321	276	230765	9.230	ng	98
88) Benzo(b)fluoranthene	15.274	252	695217	27.187	ng	# 97
89) Benzo(k)fluoranthene	15.274	252	695217	27.779	ng	# 97
90) Benzo(a)pyrene	15.669	252	350266	14.635	ng	97
92) Benzo(g,h,i)perylene	17.804	276	211225	10.481	ng	98

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

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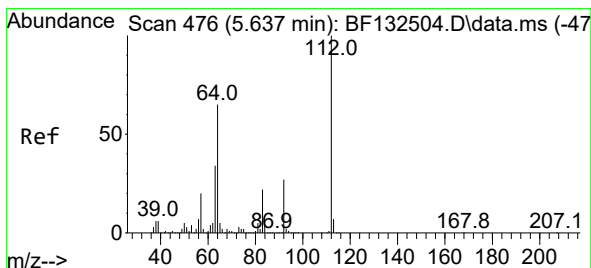
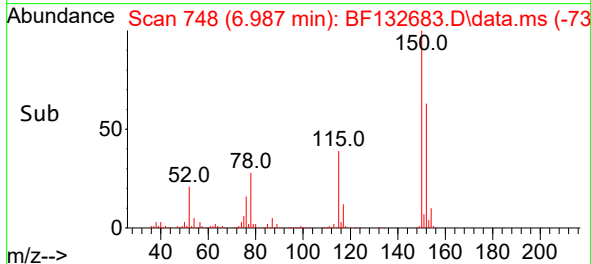
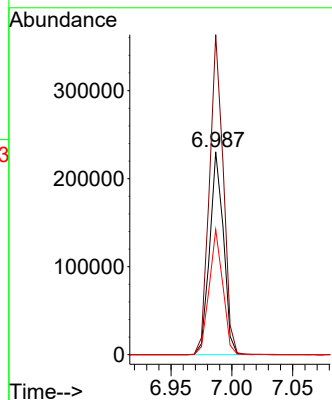
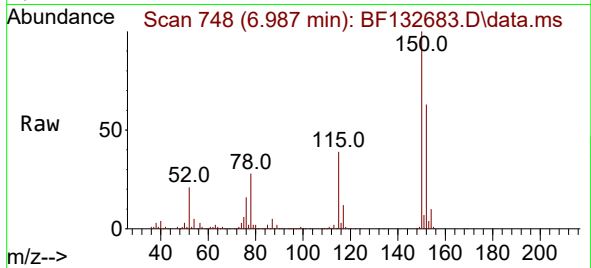




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.987 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF132683.D
Acq: 07 Mar 2023 18:01

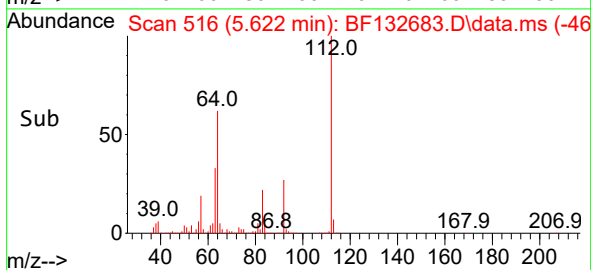
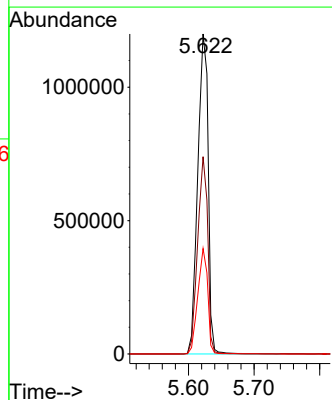
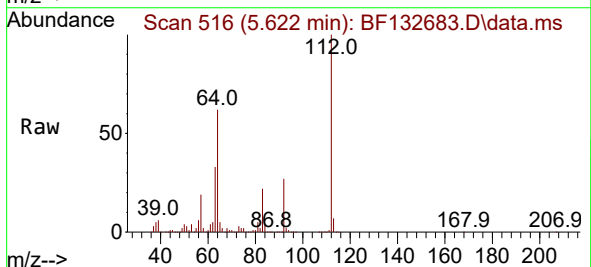
Instrument :
BNA_F
ClientSampleId :
HH-TP1-0306

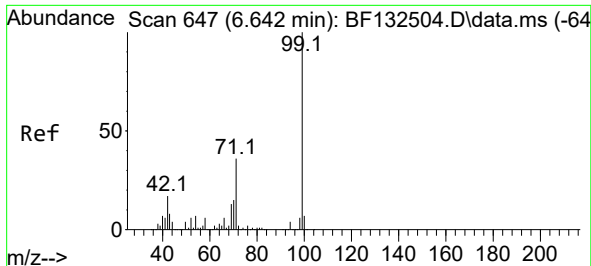
Tgt Ion:152 Resp: 181813
Ion Ratio Lower Upper
152 100
150 157.8 125.4 188.2
115 61.7 47.8 71.6



#5
2-Fluorophenol
Concen: 118.918 ng
RT: 5.622 min Scan# 516
Delta R.T. 0.006 min
Lab File: BF132683.D
Acq: 07 Mar 2023 18:01

Tgt Ion:112 Resp: 1332175
Ion Ratio Lower Upper
112 100
64 61.6 51.6 77.4
63 33.0 27.4 41.2

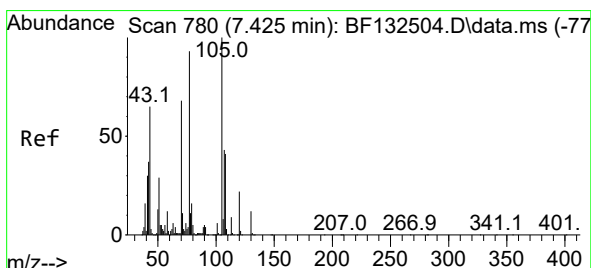
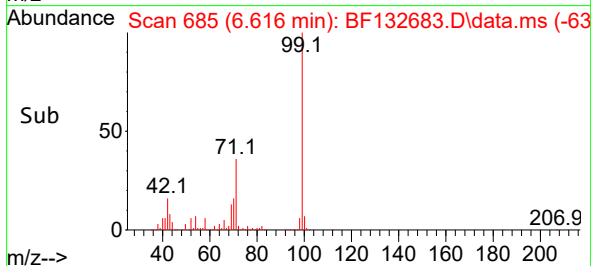
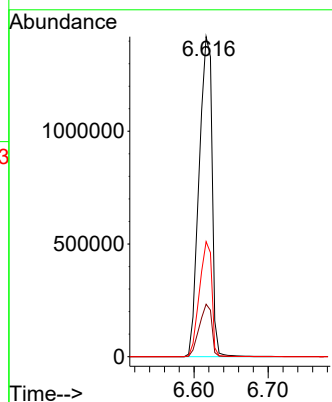
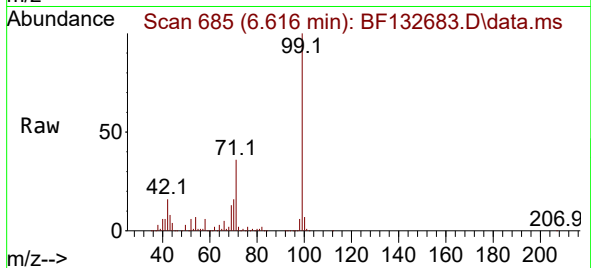




#7
Phenol-d6
Concen: 117.592 ng
RT: 6.616 min Scan# 61
Delta R.T. -0.006 min
Lab File: BF132683.D
Acq: 07 Mar 2023 18:01

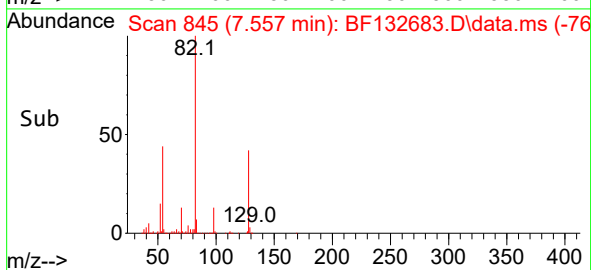
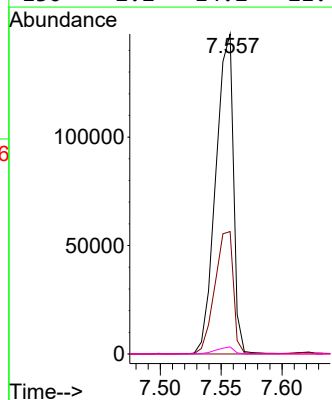
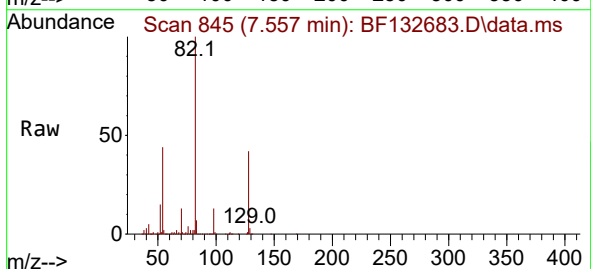
Instrument :
BNA_F
ClientSampleId :
HH-TP1-0306

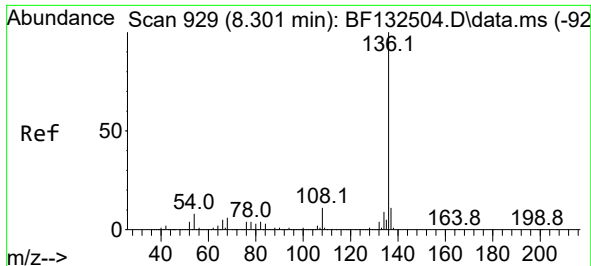
Tgt Ion: 99 Resp: 1719220
Ion Ratio Lower Upper
99 100
42 16.4 13.9 20.9
71 35.9 28.5 42.7



#19
n-Nitroso-di-n-propylamine
Concen: 16.531 ng
RT: 7.557 min Scan# 845
Delta R.T. 0.153 min
Lab File: BF132683.D
Acq: 07 Mar 2023 18:01

Tgt Ion: 70 Resp: 148742
Ion Ratio Lower Upper
70 100
42 38.3 44.1 66.1#
101 0.0 7.4 11.2#
130 2.2 14.2 21.4#

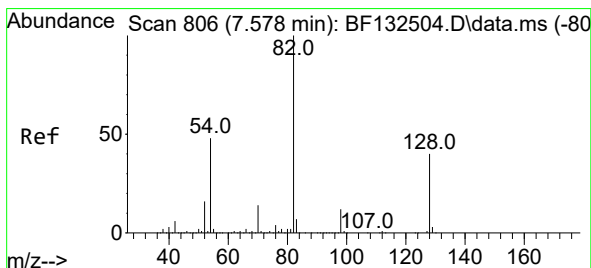
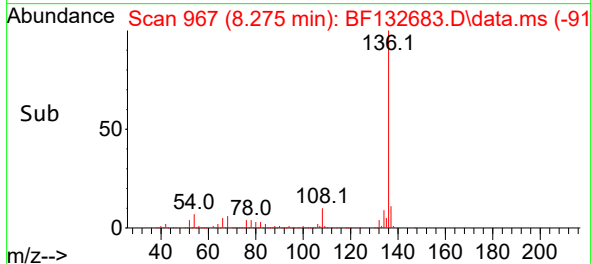
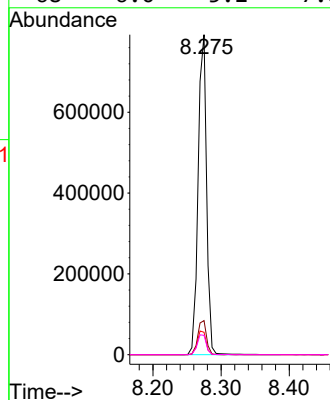
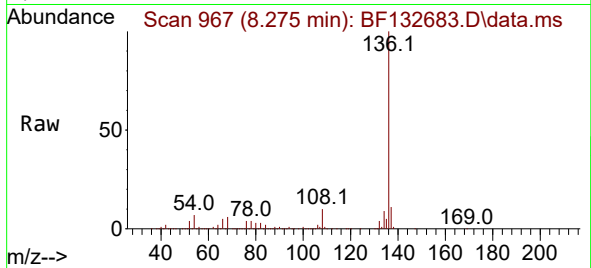




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.275 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF132683.D
Acq: 07 Mar 2023 18:01

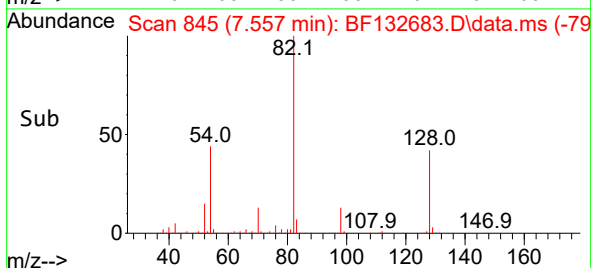
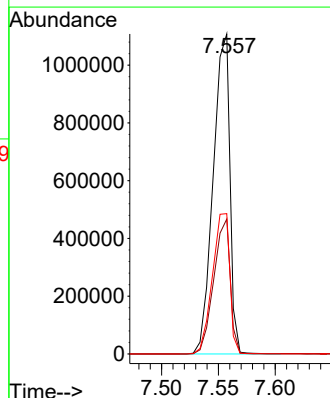
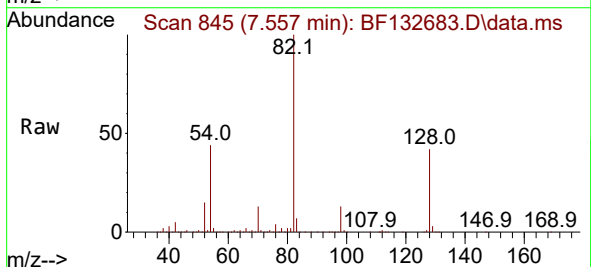
Instrument :
BNA_F
ClientSampleId :
HH-TP1-0306

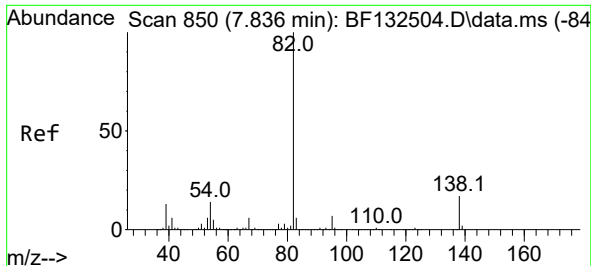
Tgt Ion:136 Resp: 681827
Ion Ratio Lower Upper
136 100
137 10.6 8.9 13.3
54 7.0 6.2 9.4
68 6.0 5.2 7.8



#23
Nitrobenzene-d5
Concen: 78.836 ng
RT: 7.557 min Scan# 845
Delta R.T. -0.006 min
Lab File: BF132683.D
Acq: 07 Mar 2023 18:01

Tgt Ion: 82 Resp: 1132953
Ion Ratio Lower Upper
82 100
128 42.1 32.2 48.2
54 43.9 38.4 57.6

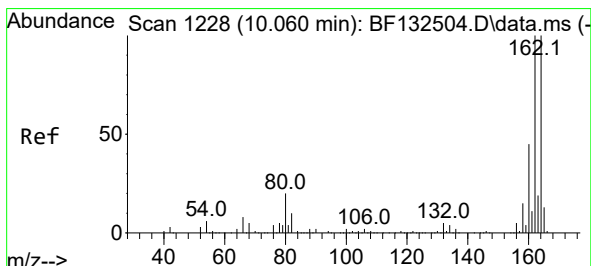
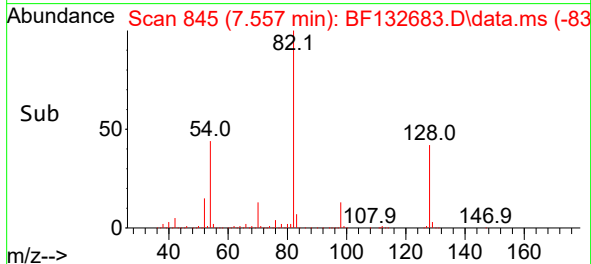
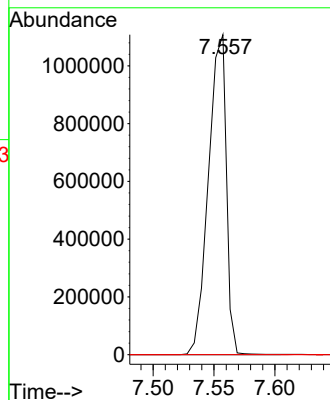
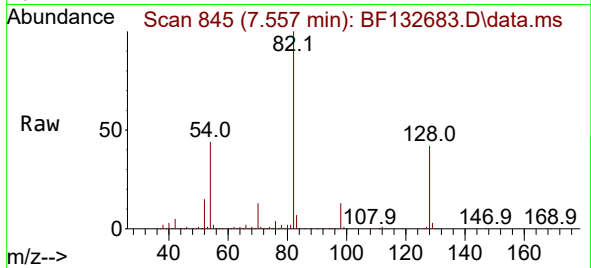




#25
Isophorone
Concen: 41.119 ng
RT: 7.557 min Scan# 84
Delta R.T. -0.259 min
Lab File: BF132683.D
Acq: 07 Mar 2023 18:01

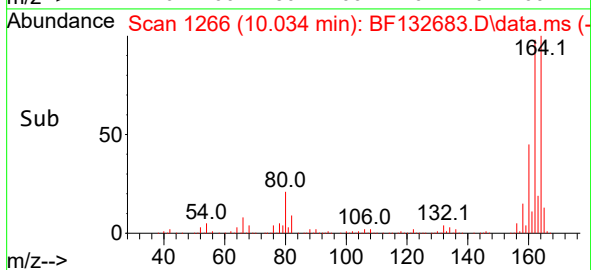
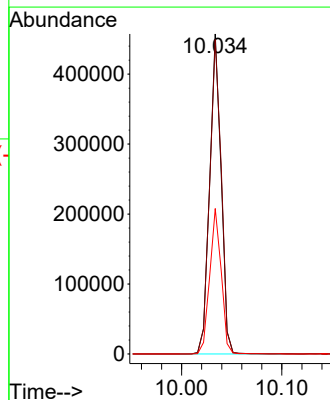
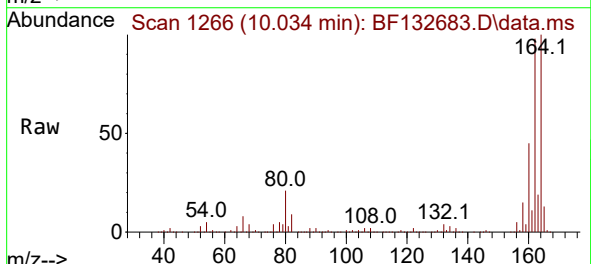
Instrument :
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ClientSampleId :
HH-TP1-0306

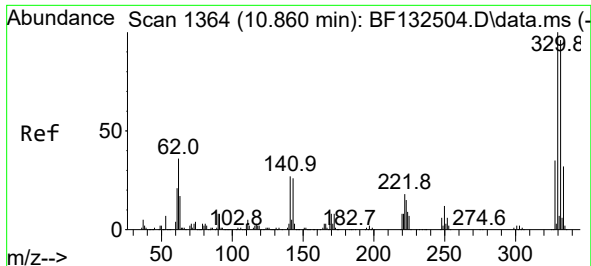
Tgt Ion: 82 Resp: 1132938
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.3 19.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.034 min Scan# 1266
Delta R.T. -0.006 min
Lab File: BF132683.D
Acq: 07 Mar 2023 18:01

Tgt Ion: 164 Resp: 360849
Ion Ratio Lower Upper
164 100
162 98.2 79.8 119.8
160 45.5 35.8 53.6

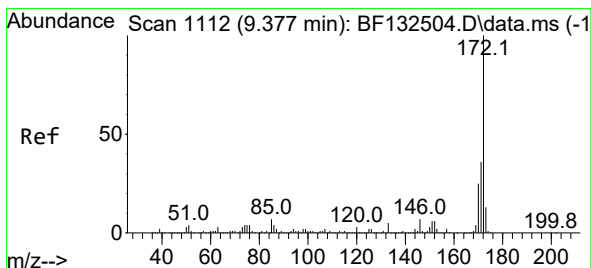
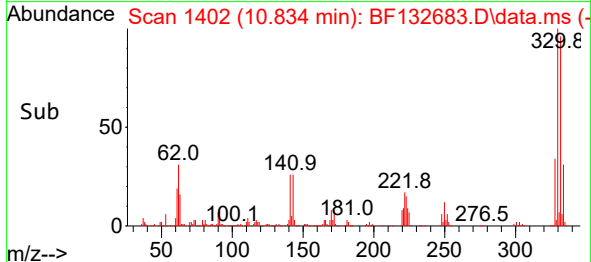
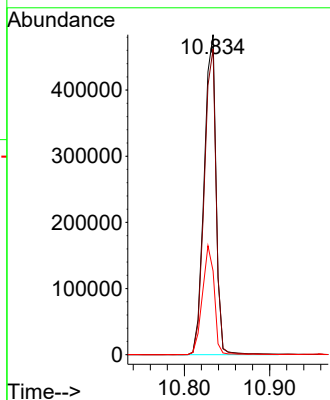
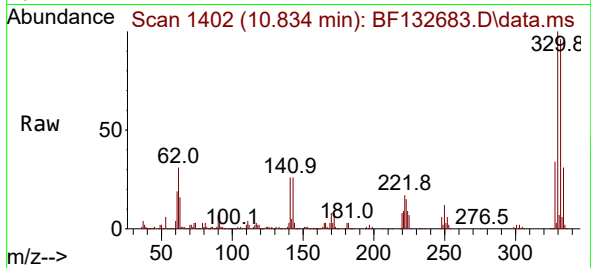




#42
2,4,6-Tribromophenol
Concen: 120.170 ng
RT: 10.834 min Scan# 1402
Delta R.T. 0.000 min
Lab File: BF132683.D
Acq: 07 Mar 2023 18:01

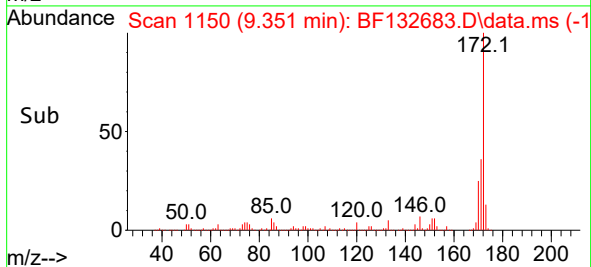
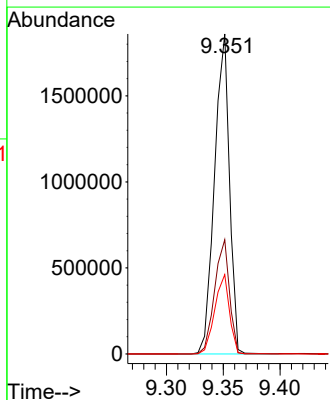
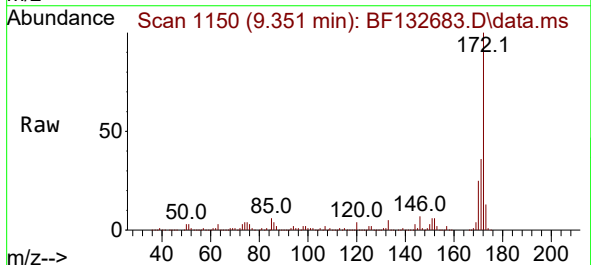
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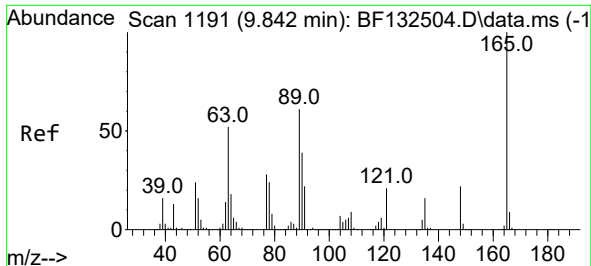
Tgt Ion: 330 Resp: 468303
Ion Ratio Lower Upper
330 100
332 95.5 76.2 114.4
141 33.9 28.4 42.6



#45
2-Fluorobiphenyl
Concen: 71.867 ng
RT: 9.351 min Scan# 1150
Delta R.T. -0.006 min
Lab File: BF132683.D
Acq: 07 Mar 2023 18:01

Tgt Ion: 172 Resp: 1703137
Ion Ratio Lower Upper
172 100
171 35.7 28.8 43.2
170 24.8 19.7 29.5

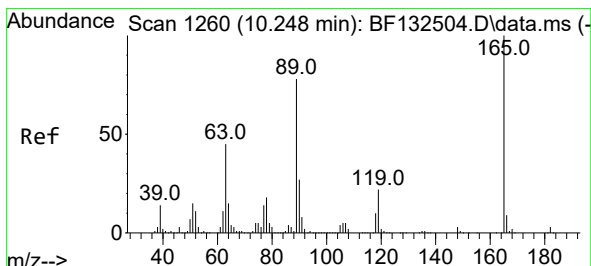
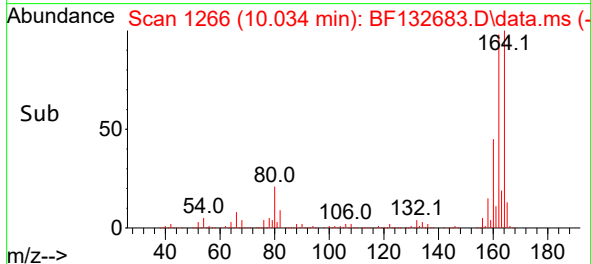
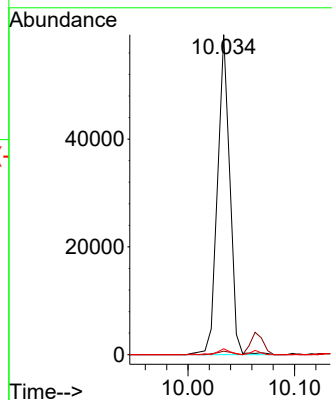
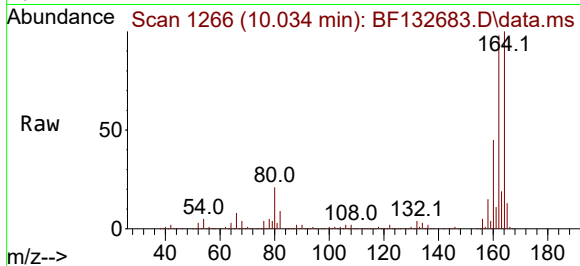




#51
2,6-Dinitrotoluene
Concen: 7.915 ng
RT: 10.034 min Scan# 1191
Delta R.T. 0.212 min
Lab File: BF132683.D
Acq: 07 Mar 2023 18:01

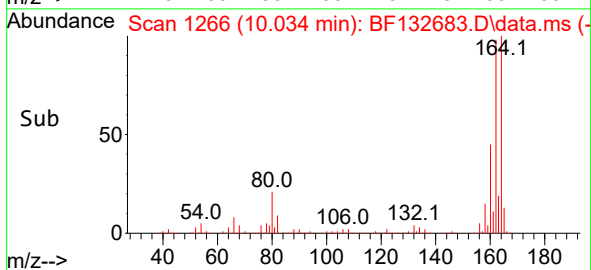
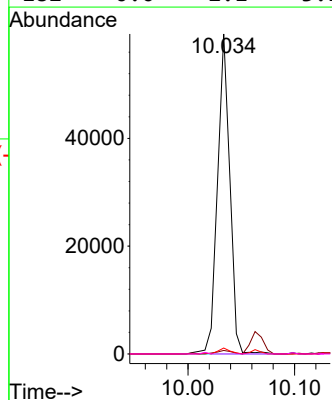
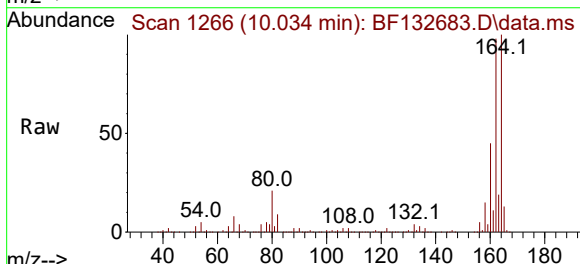
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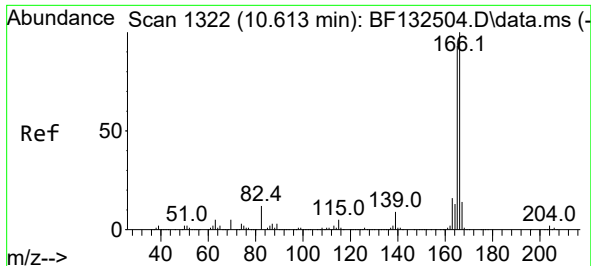
Tgt Ion:165 Resp: 47362
Ion Ratio Lower Upper
165 100
63 1.1 47.3 70.9#
89 1.8 48.9 73.3#



#57
2,4-Dinitrotoluene
Concen: 5.950 ng
RT: 10.034 min Scan# 1266
Delta R.T. -0.194 min
Lab File: BF132683.D
Acq: 07 Mar 2023 18:01

Tgt Ion:165 Resp: 47362
Ion Ratio Lower Upper
165 100
63 1.1 36.5 54.7#
89 1.8 62.4 93.6#
182 0.0 2.1 3.1#

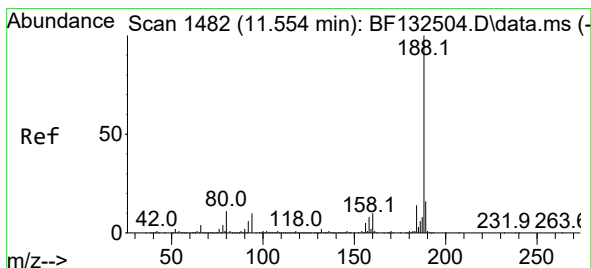
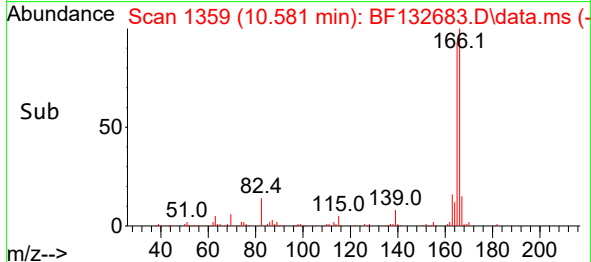
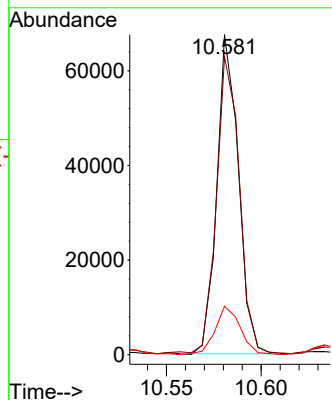
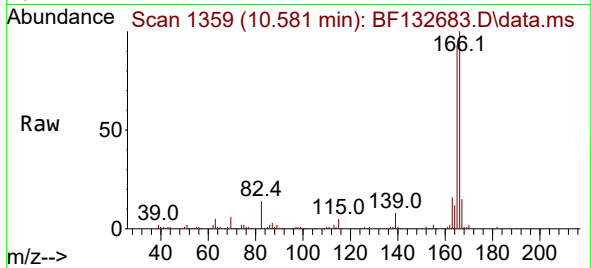




#58
Fluorene
Concen: 2.184 ng
RT: 10.581 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF132683.D
Acq: 07 Mar 2023 18:01

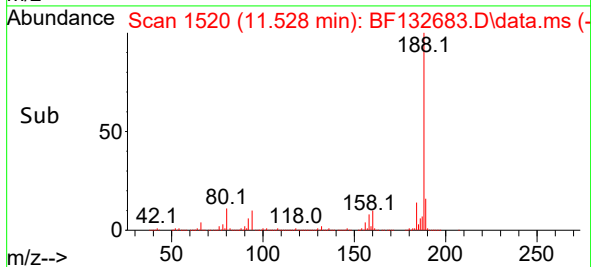
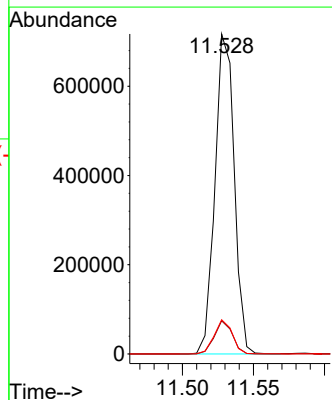
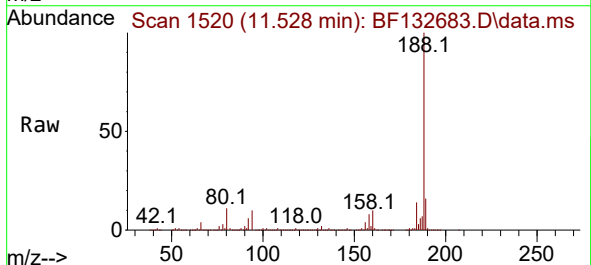
Instrument :
BNA_F
ClientSampleId :
HH-TP1-0306

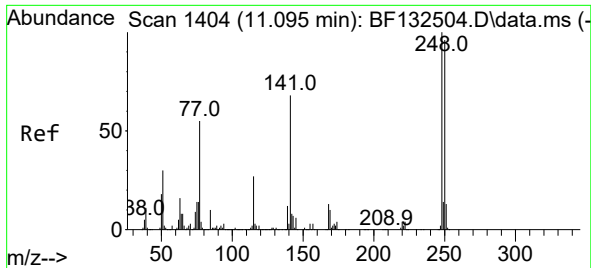
Tgt Ion:166 Resp: 53296
Ion Ratio Lower Upper
166 100
165 93.1 74.2 111.4
167 15.2 11.1 16.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.528 min Scan# 1520
Delta R.T. -0.006 min
Lab File: BF132683.D
Acq: 07 Mar 2023 18:01

Tgt Ion:188 Resp: 675860
Ion Ratio Lower Upper
188 100
94 10.3 8.3 12.5
80 10.7 8.7 13.1

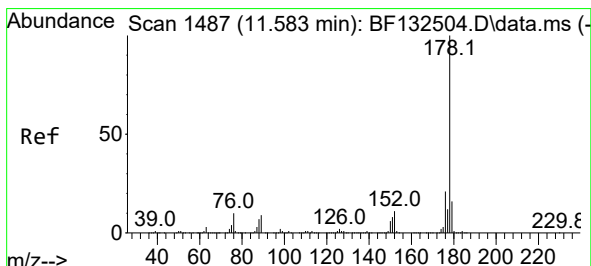
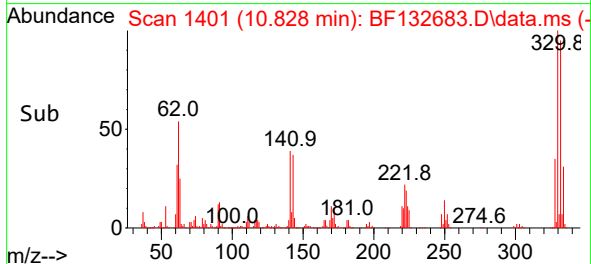
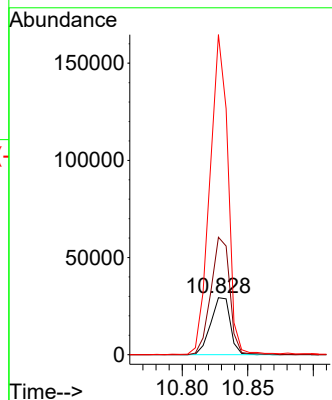
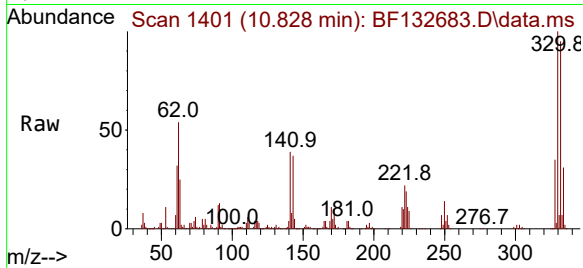




#67
4-Bromophenyl-phenylether
Concen: 3.976 ng
RT: 10.828 min Scan# 1404
Delta R.T. -0.247 min
Lab File: BF132683.D
Acq: 07 Mar 2023 18:01

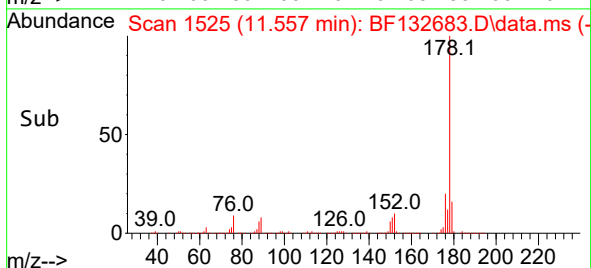
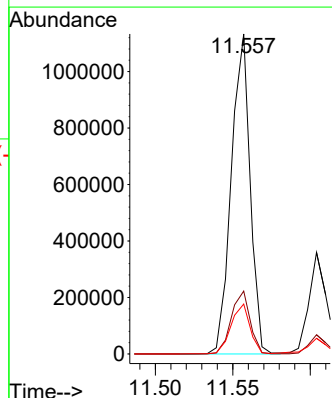
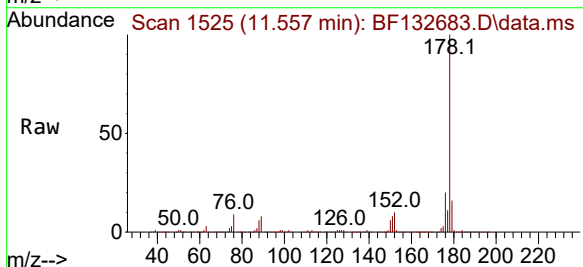
Instrument :
BNA_F
ClientSampleId :
HH-TP1-0306

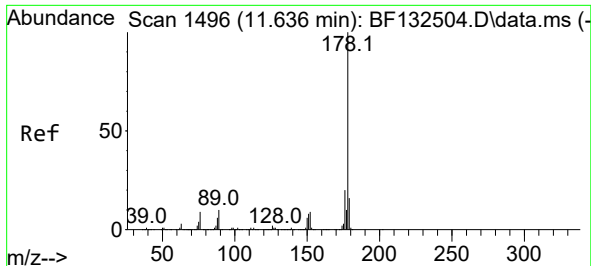
Tgt Ion:248 Resp: 30400
Ion Ratio Lower Upper
248 100
250 205.9 77.0 115.4#
141 561.2 54.2 81.2#



#71
Phenanthrene
Concen: 27.340 ng
RT: 11.557 min Scan# 1525
Delta R.T. -0.006 min
Lab File: BF132683.D
Acq: 07 Mar 2023 18:01

Tgt Ion:178 Resp: 957252
Ion Ratio Lower Upper
178 100
176 19.7 16.5 24.7
179 15.6 13.0 19.6

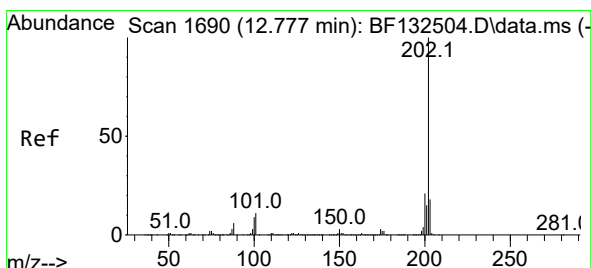
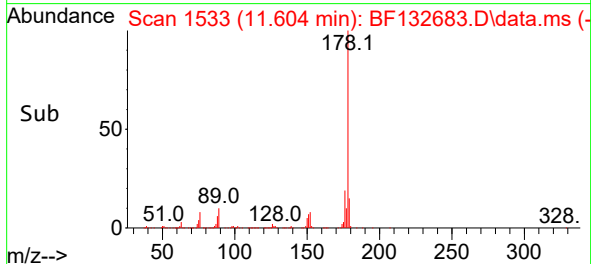
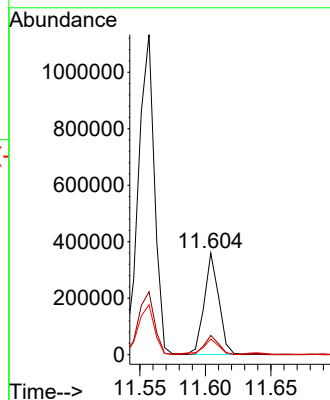
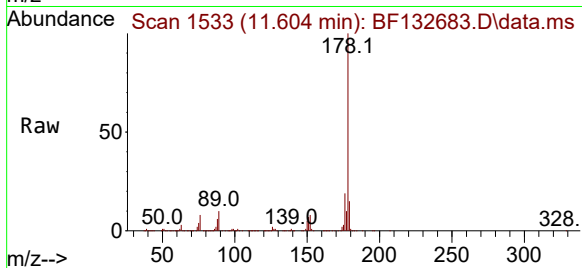




#72
 Anthracene
 Concen: 7.792 ng
 RT: 11.604 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF132683.D
 Acq: 07 Mar 2023 18:01

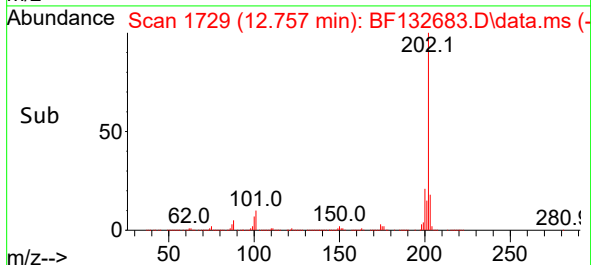
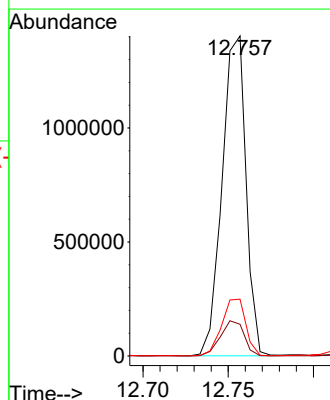
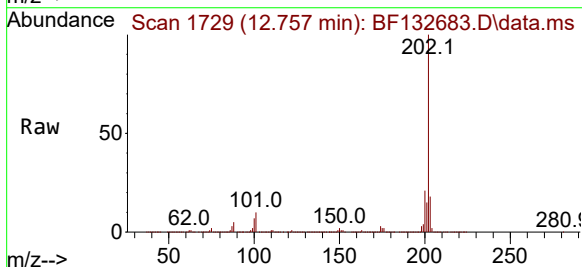
Instrument :
 BNA_F
 ClientSampleId :
 HH-TP1-0306

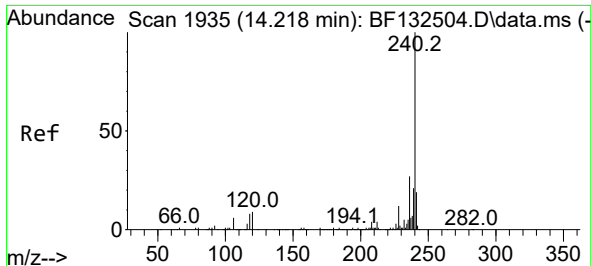
Tgt Ion:178 Resp: 280930
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.6 23.4
 179 15.4 12.5 18.7



#75
 Fluoranthene
 Concen: 35.724 ng
 RT: 12.757 min Scan# 1729
 Delta R.T. 0.000 min
 Lab File: BF132683.D
 Acq: 07 Mar 2023 18:01

Tgt Ion:202 Resp: 1367387
 Ion Ratio Lower Upper
 202 100
 101 9.9 0.0 31.4
 203 17.8 0.0 38.0

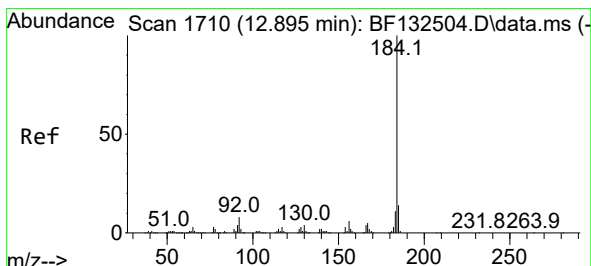
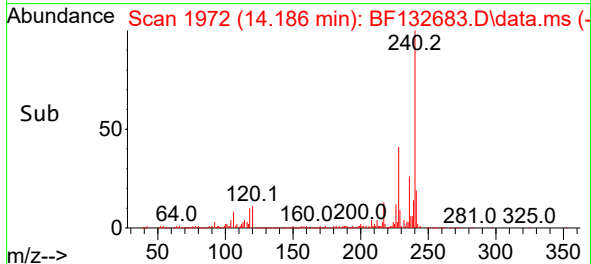
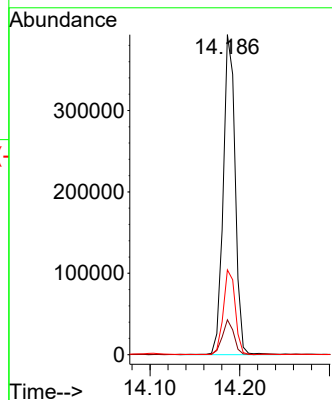
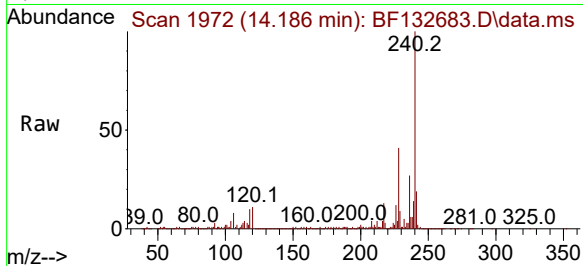




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.186 min Scan# 1935
Delta R.T. -0.012 min
Lab File: BF132683.D
Acq: 07 Mar 2023 18:01

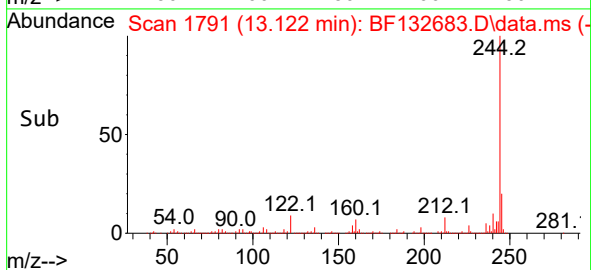
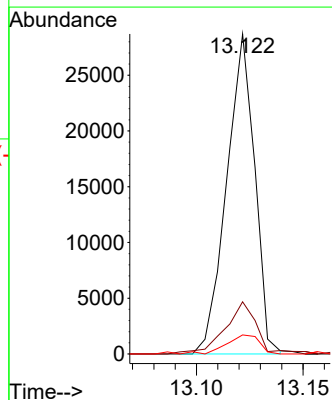
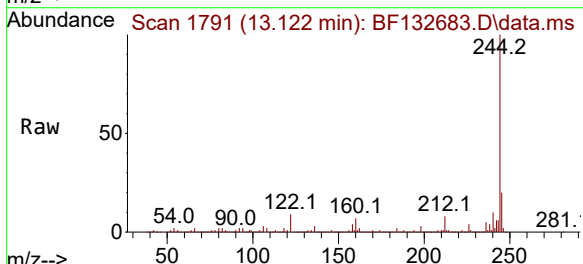
Instrument :
BNA_F
ClientSampleId :
HH-TP1-0306

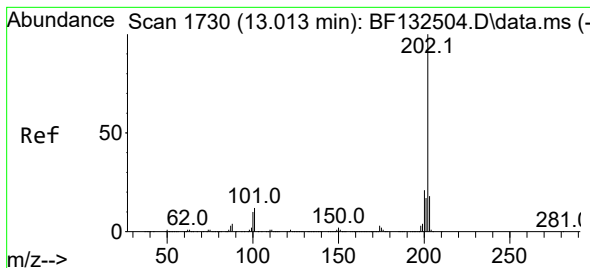
Tgt Ion:240 Resp: 363492
Ion Ratio Lower Upper
240 100
120 10.9 7.2 10.8#
236 26.5 21.8 32.6



#77
Benidine
Concen: 2.964 ng
RT: 13.122 min Scan# 1791
Delta R.T. 0.247 min
Lab File: BF132683.D
Acq: 07 Mar 2023 18:01

Tgt Ion:184 Resp: 26224
Ion Ratio Lower Upper
184 100
185 16.3 11.7 17.5
183 5.9 8.7 13.1#





#78

Pyrene

Concen: 35.468 ng

RT: 12.986 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF132683.D

Acq: 07 Mar 2023 18:01

Instrument :

BNA_F

ClientSampleId :

HH-TP1-0306

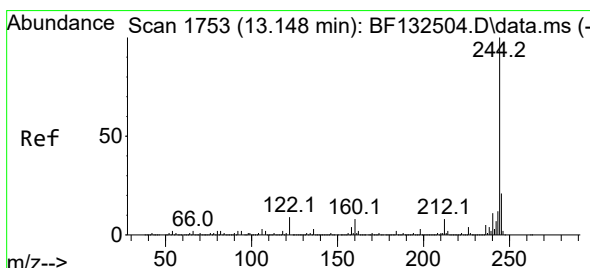
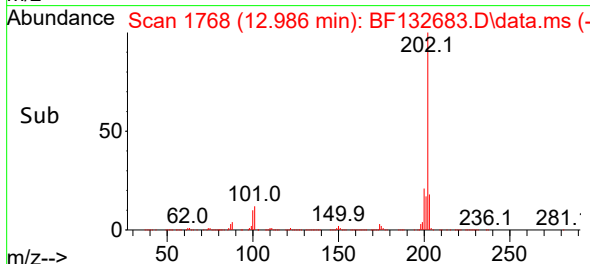
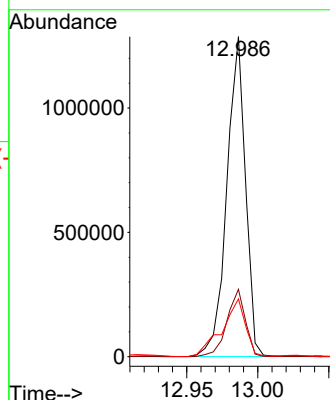
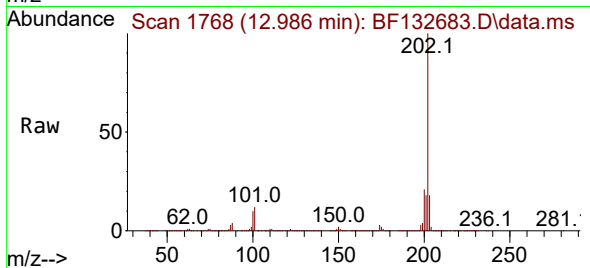
Tgt Ion:202 Resp: 1172146

Ion Ratio Lower Upper

202 100

200 21.1 17.1 25.7

203 18.1 14.6 21.8



#79

Terphenyl-d14

Concen: 85.845 ng

RT: 13.122 min Scan# 1791

Delta R.T. -0.006 min

Lab File: BF132683.D

Acq: 07 Mar 2023 18:01

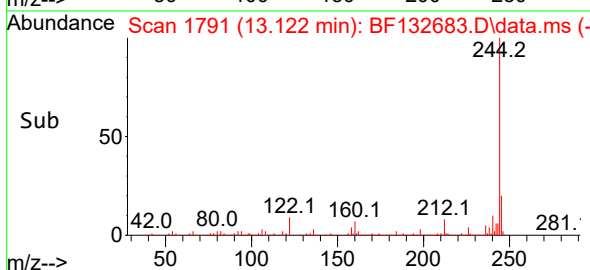
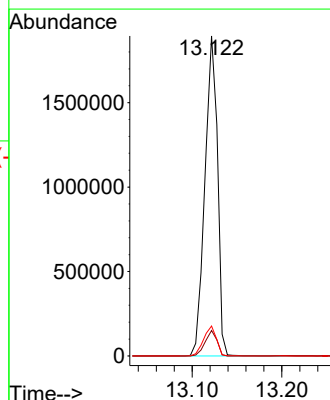
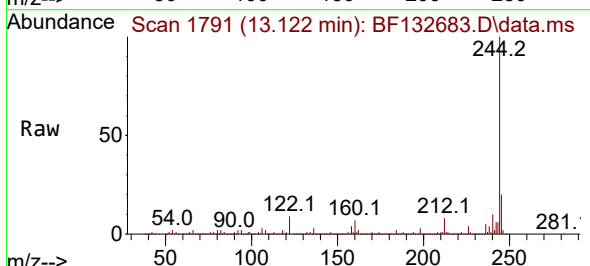
Tgt Ion:244 Resp: 1845567

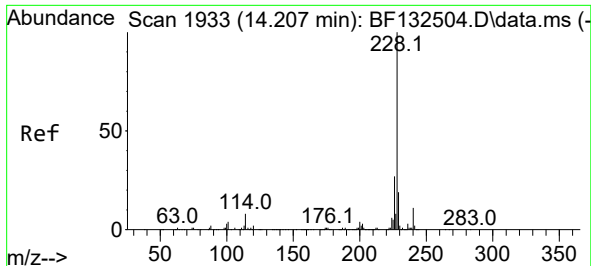
Ion Ratio Lower Upper

244 100

212 8.0 6.5 9.7

122 9.4 7.5 11.3

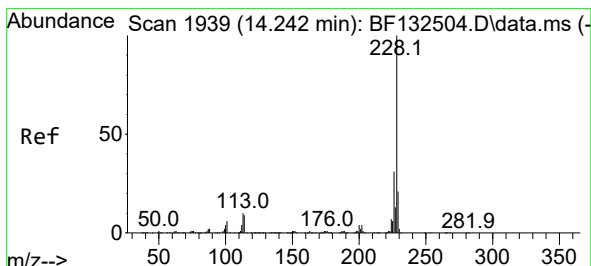
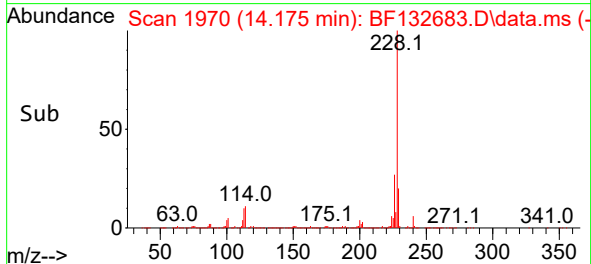
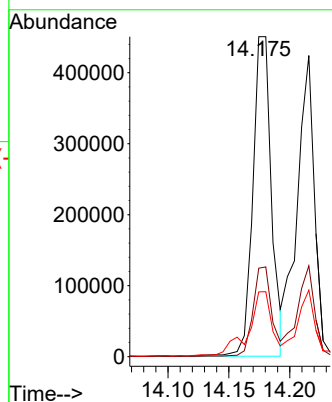
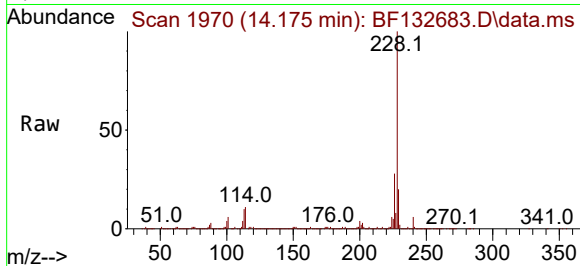




#81
Benzo(a)anthracene
Concen: 17.643 ng
RT: 14.175 min Scan# 1933
Delta R.T. -0.012 min
Lab File: BF132683.D
Acq: 07 Mar 2023 18:01

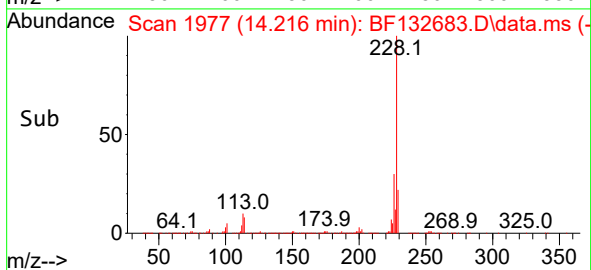
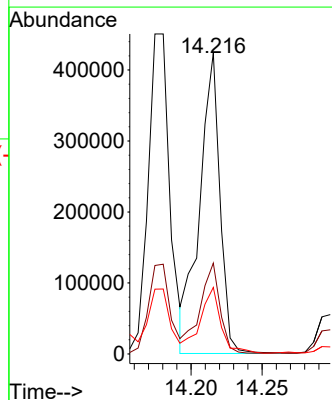
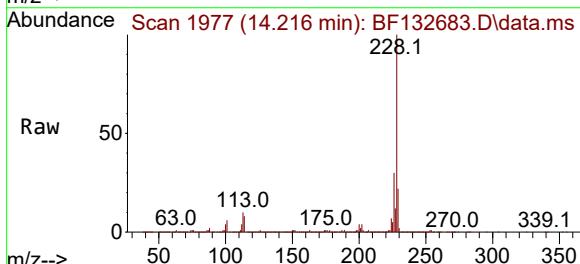
Instrument :
BNA_F
ClientSampleId :
HH-TP1-0306

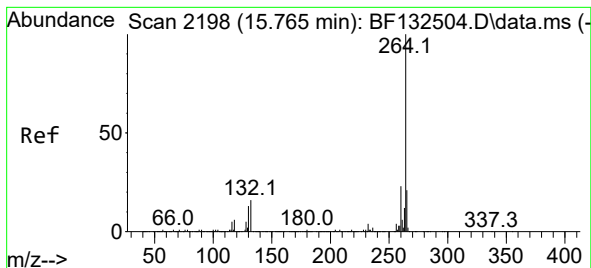
Tgt Ion:228 Resp: 479851
Ion Ratio Lower Upper
228 100
226 27.7 21.7 32.5
229 20.3 15.4 23.2



#83
Chrysene
Concen: 16.653 ng
RT: 14.216 min Scan# 1977
Delta R.T. -0.006 min
Lab File: BF132683.D
Acq: 07 Mar 2023 18:01

Tgt Ion:228 Resp: 423541
Ion Ratio Lower Upper
228 100
226 30.2 25.0 37.6
229 22.1 16.4 24.6



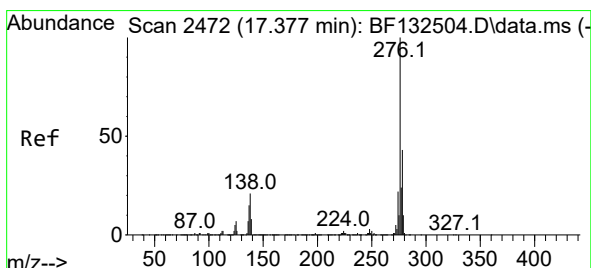
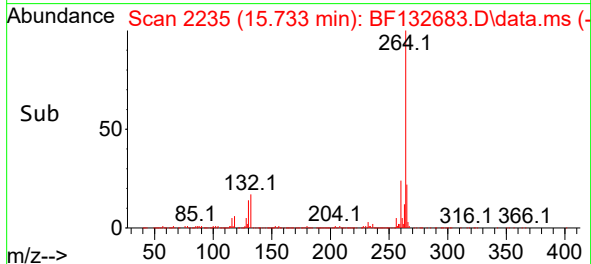
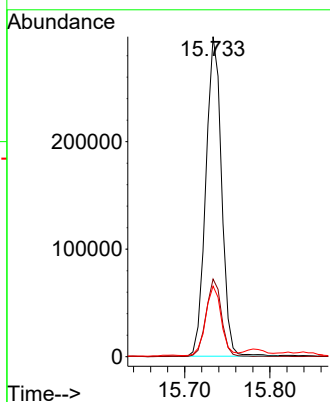
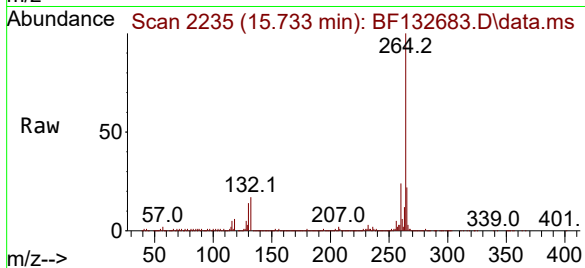


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.733 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF132683.D
Acq: 07 Mar 2023 18:01

Instrument :
BNA_F
ClientSampleId :
HH-TP1-0306

Tgt Ion:264 Resp: 381582

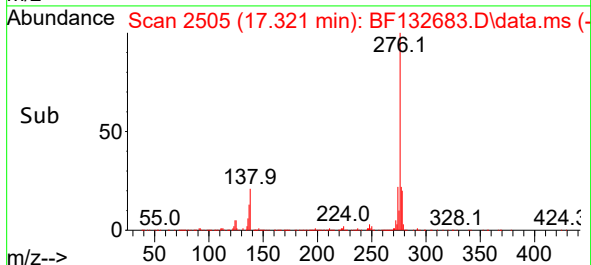
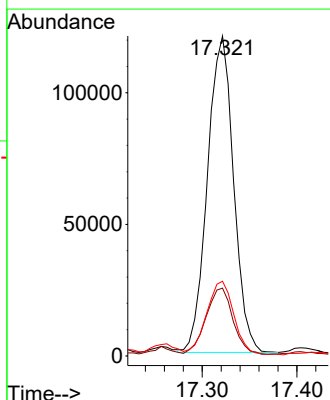
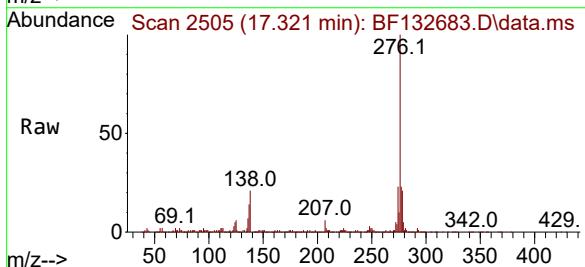
Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.8	28.2
265	22.1	17.1	25.7

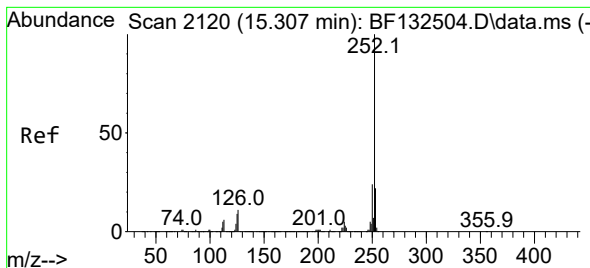


#87
Indeno(1,2,3-cd)pyrene
Concen: 9.230 ng
RT: 17.321 min Scan# 2505
Delta R.T. -0.023 min
Lab File: BF132683.D
Acq: 07 Mar 2023 18:01

Tgt Ion:276 Resp: 230765

Ion	Ratio	Lower	Upper
276	100		
138	22.0	19.0	28.4
277	24.3	20.0	30.0





#88

Benzo(b)fluoranthene

Concen: 27.187 ng

RT: 15.274 min Scan# 2117

Delta R.T. -0.006 min

Lab File: BF132683.D

Acq: 07 Mar 2023 18:01

Instrument :

BNA_F

ClientSampleId :

HH-TP1-0306

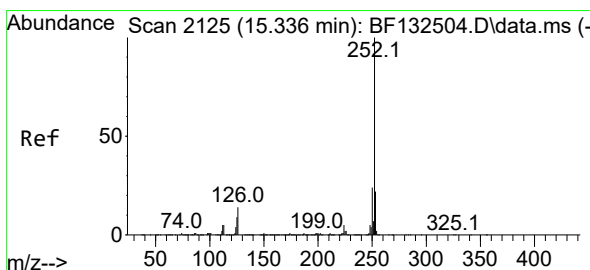
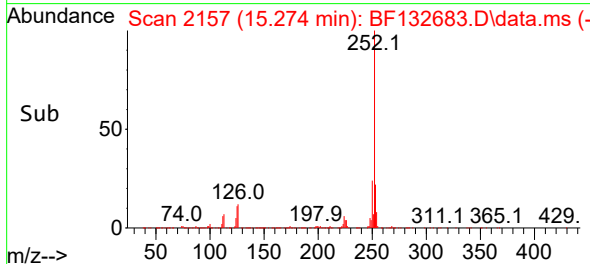
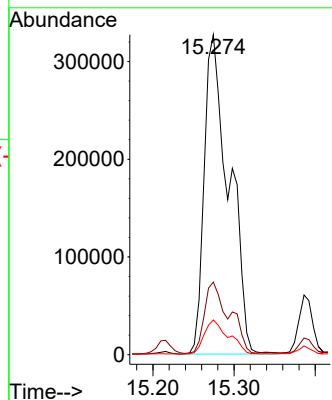
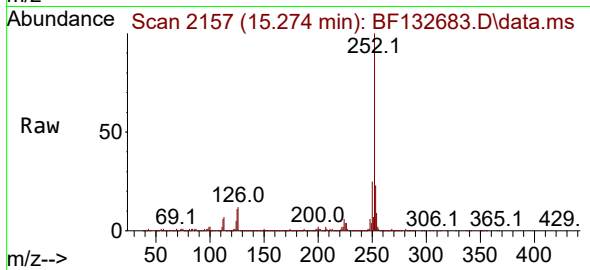
Tgt Ion:252 Resp: 695217

Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.0

125 10.8 7.0 10.6#



#89

Benzo(k)fluoranthene

Concen: 27.779 ng

RT: 15.274 min Scan# 2157

Delta R.T. -0.041 min

Lab File: BF132683.D

Acq: 07 Mar 2023 18:01

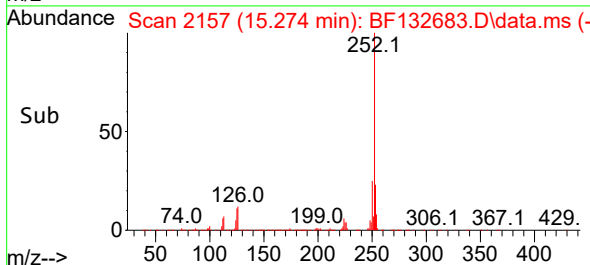
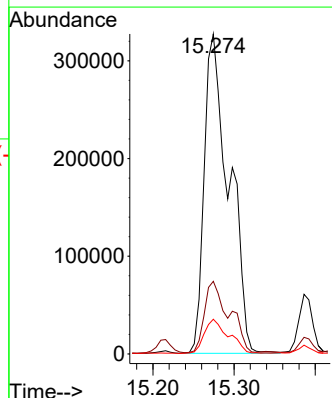
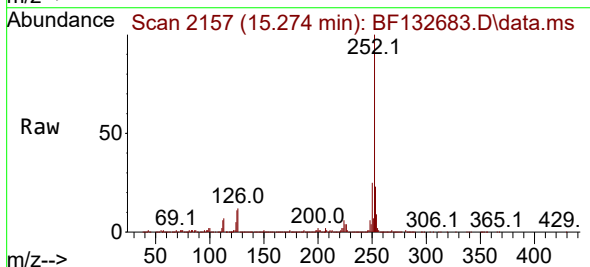
Tgt Ion:252 Resp: 695217

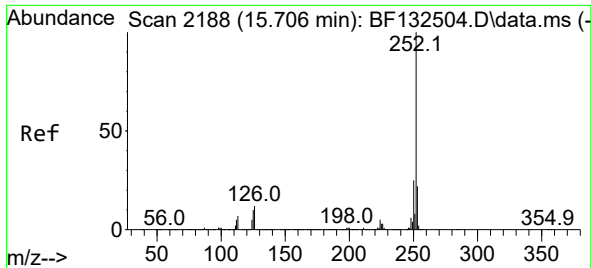
Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

125 10.8 7.2 10.8#

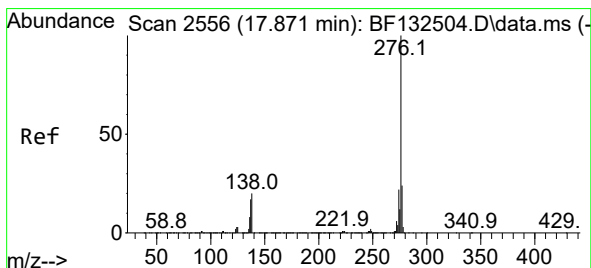
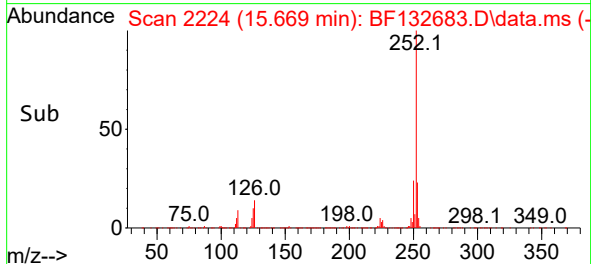
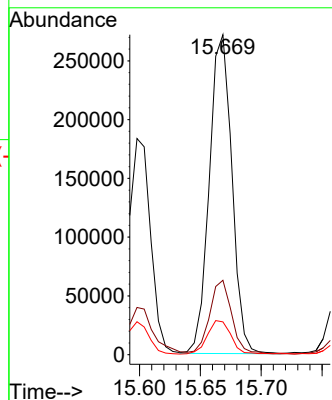
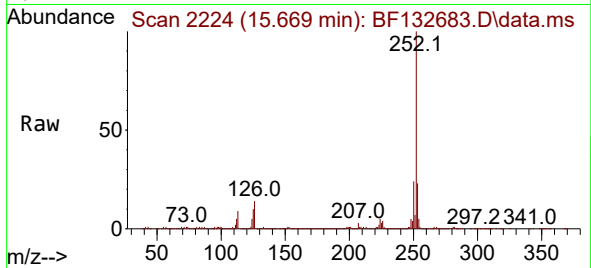




#90
Benzo(a)pyrene
Concen: 14.635 ng
RT: 15.669 min Scan# 2188
Delta R.T. -0.006 min
Lab File: BF132683.D
Acq: 07 Mar 2023 18:01

Instrument :
BNA_F
ClientSampleId :
HH-TP1-0306

Tgt Ion:252 Resp: 350266
Ion Ratio Lower Upper
252 100
253 23.2 17.2 25.8
125 10.3 8.0 12.0



#92
Benzo(g,h,i)perylene
Concen: 10.481 ng
RT: 17.804 min Scan# 2587
Delta R.T. -0.029 min
Lab File: BF132683.D
Acq: 07 Mar 2023 18:01

Tgt Ion:276 Resp: 211225
Ion Ratio Lower Upper
276 100
277 24.3 18.9 28.3
138 21.1 16.2 24.4

