

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
 Data File : BF134001.D
 Acq On : 27 Jun 2023 20:43
 Operator : CG\JU
 Sample : 03402-07
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP4-0623

Quant Time: Jun 28 01:31:10 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 26 23:12:04 2023
 Response via : Initial Calibration

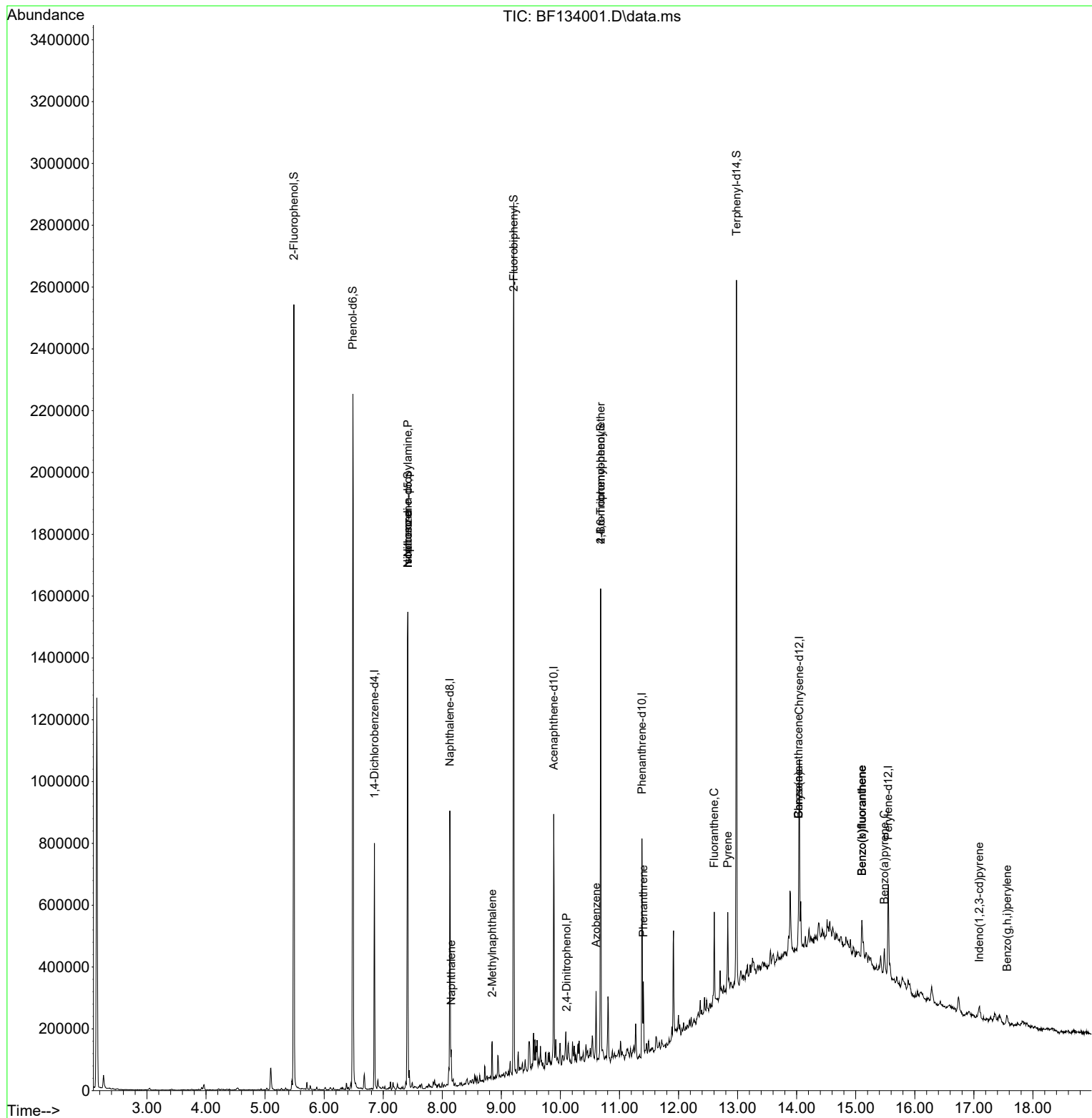
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	102362	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	359974	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	147341	20.000	ng	0.00
64) Phenanthrene-d10	11.381	188	245158	20.000	ng	0.00
76) Chrysene-d12	14.045	240	175964	20.000	ng	0.00
86) Perylene-d12	15.551	264	138687	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	623220	101.845	ng	0.00
7) Phenol-d6	6.487	99	740686	98.423	ng	0.00
23) Nitrobenzene-d5	7.416	82	486424	72.841	ng	0.00
42) 2,4,6-Tribromophenol	10.681	330	163978	88.763	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	827165	81.621	ng	0.00
79) Terphenyl-d14	12.980	244	746044	68.235	ng	0.00
Target Compounds						
9) Benzaldehyde	6.410	77	703	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propyla...	7.416	70	68790	14.414	ng	# 78
25) Isophorone	7.416	82	486418	40.079	ng	# 64
31) Naphthalene	8.151	128	36959	2.126	ng	99
37) 2-Methylnaphthalene	8.845	142	33885	2.756	ng	99
54) 2,4-Dinitrophenol	10.104	184	134	3.960	ng	# 1
63) Azobenzene	10.604	77	31661	3.004	ng	# 1
67) 4-Bromophenyl-phenylether	10.681	248	10254	3.935	ng	# 1
71) Phenanthrene	11.404	178	80142	6.494	ng	97
75) Fluoranthene	12.604	202	109712	8.223	ng	99
78) Pyrene	12.833	202	101785	6.216	ng	99
81) Benzo(a)anthracene	14.033	228	55965	4.586	ng	96
83) Chrysene	14.033	228	55965	4.735	ng	97
87) Indeno(1,2,3-cd)pyrene	17.092	276	25276	2.626	ng	97
88) Benzo(b)fluoranthene	15.104	252	77948	9.558	ng	# 83
89) Benzo(k)fluoranthene	15.104	252	77948	9.388	ng	# 83
90) Benzo(a)pyrene	15.486	252	39310	4.985	ng	# 88
92) Benzo(g,h,i)perylene	17.562	276	24222	2.988	ng	# 91

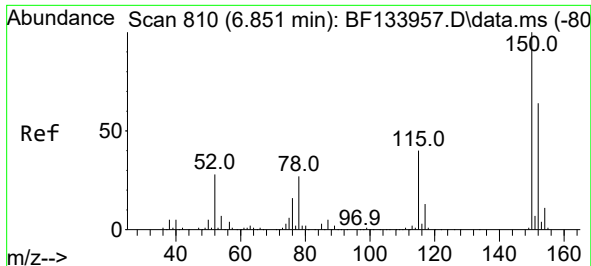
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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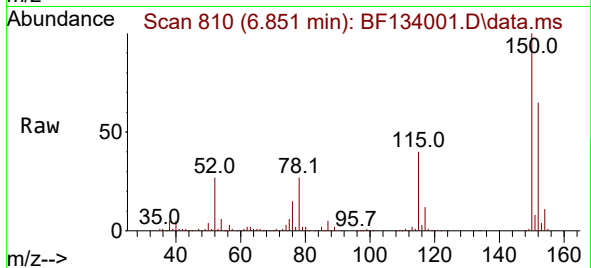
Quant Time: Jun 28 01:31:10 2023
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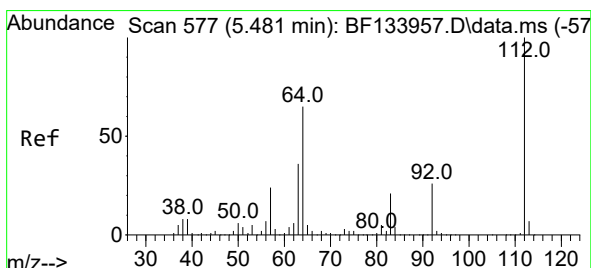
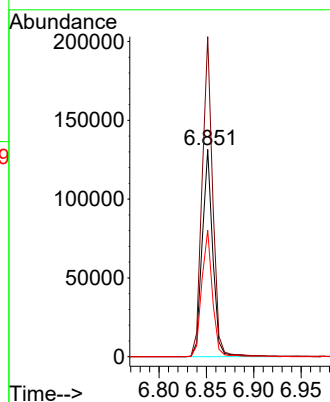
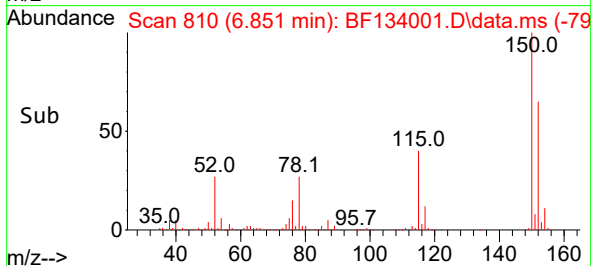


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF134001.D
Acq: 27 Jun 2023 20:43

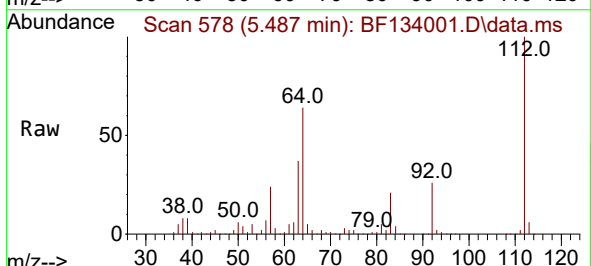
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BNA_F
ClientSampleId :
TP4-0623



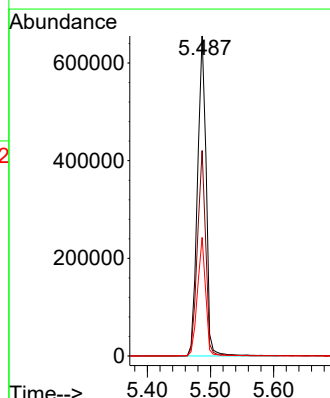
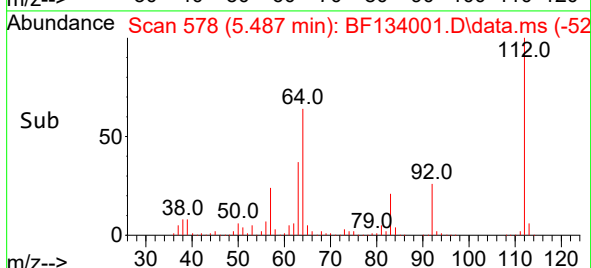
Tgt Ion:152 Resp: 102362
Ion Ratio Lower Upper
152 100
150 154.4 124.5 186.7
115 61.1 50.2 75.2

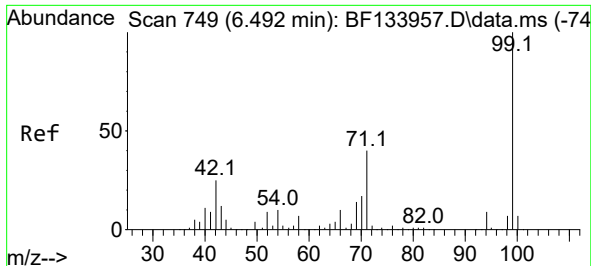


#5
2-Fluorophenol
Concen: 101.845 ng
RT: 5.487 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF134001.D
Acq: 27 Jun 2023 20:43



Tgt Ion:112 Resp: 623220
Ion Ratio Lower Upper
112 100
64 64.2 52.1 78.1
63 37.1 28.6 42.8

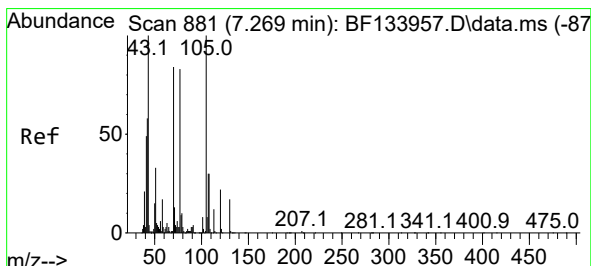
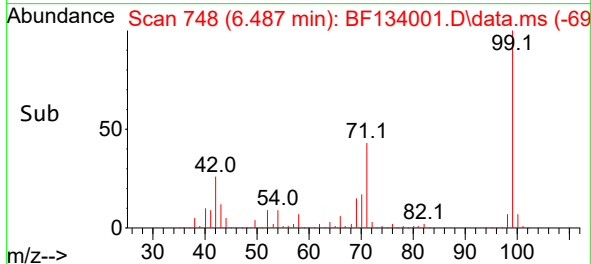
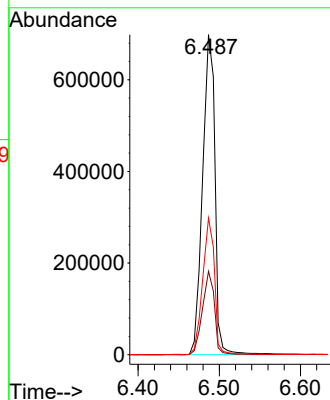
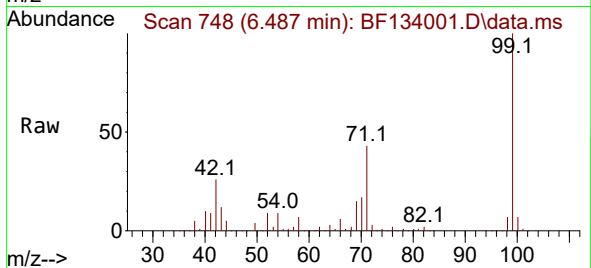




#7
Phenol-d6
Concen: 98.423 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF134001.D
Acq: 27 Jun 2023 20:43

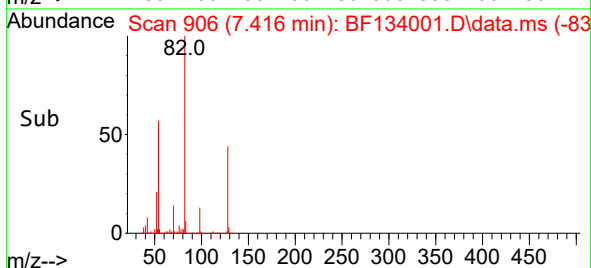
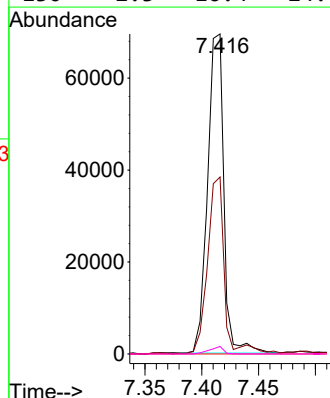
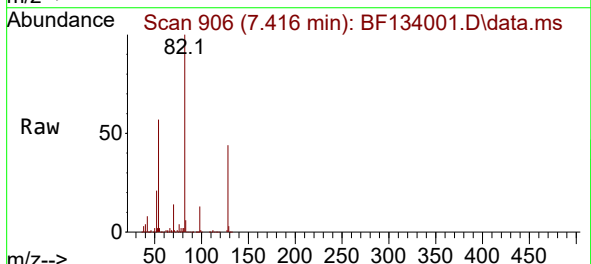
Instrument :
BNA_F
ClientSampleId :
TP4-0623

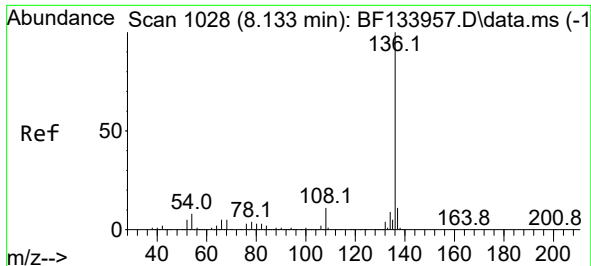
Tgt Ion: 99 Resp: 740686
Ion Ratio Lower Upper
99 100
42 26.0 19.8 29.6
71 42.7 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 14.414 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.147 min
Lab File: BF134001.D
Acq: 27 Jun 2023 20:43

Tgt Ion: 70 Resp: 68790
Ion Ratio Lower Upper
70 100
42 55.3 54.7 82.1
101 0.0 7.7 11.5#
130 2.3 16.4 24.6#

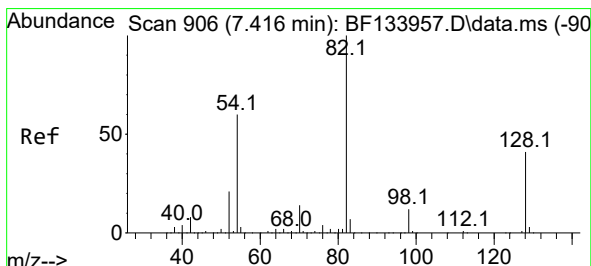
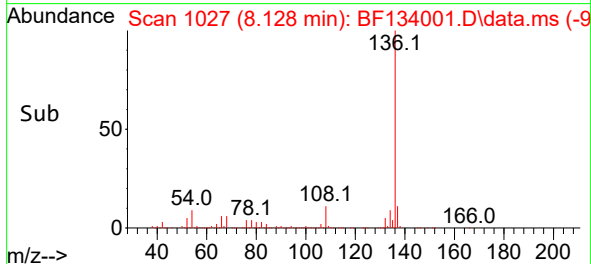
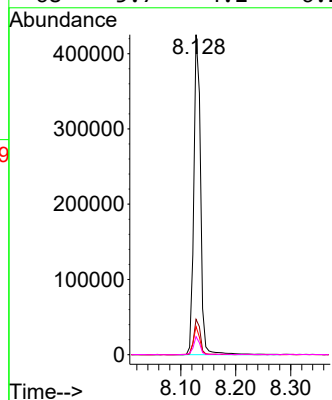
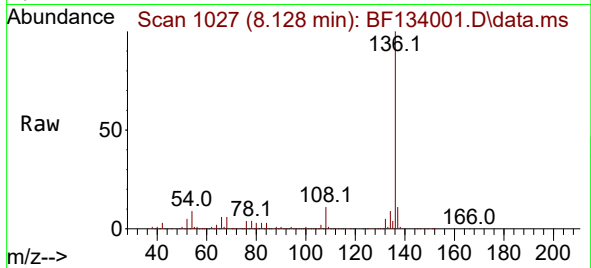




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF134001.D
Acq: 27 Jun 2023 20:43

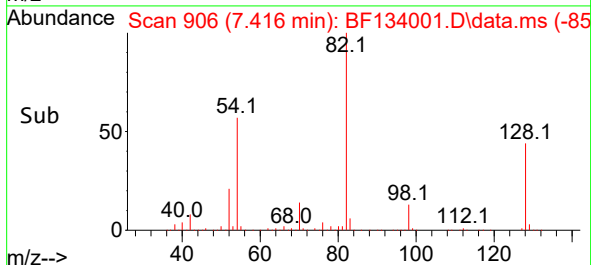
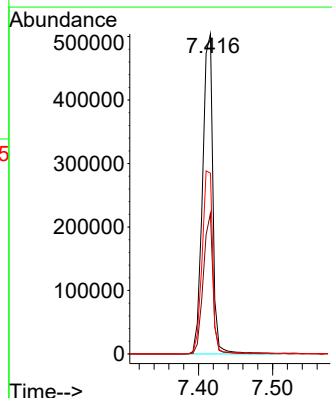
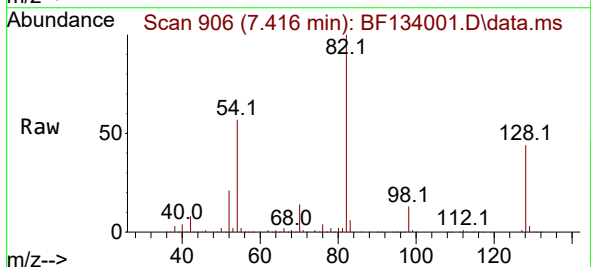
Instrument :
BNA_F
ClientSampleId :
TP4-0623

Tgt Ion:136 Resp: 359974
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 8.8 6.5 9.7
68 5.7 4.2 6.2



#23
Nitrobenzene-d5
Concen: 72.841 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.000 min
Lab File: BF134001.D
Acq: 27 Jun 2023 20:43

Tgt Ion: 82 Resp: 486424
Ion Ratio Lower Upper
82 100
128 43.9 32.5 48.7
54 56.5 48.2 72.2

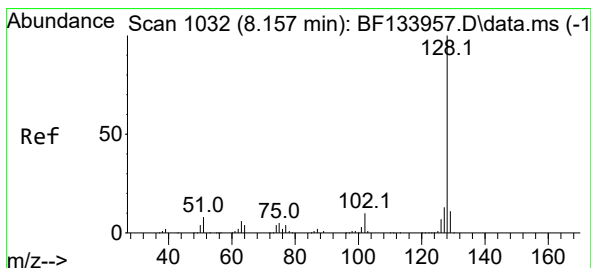
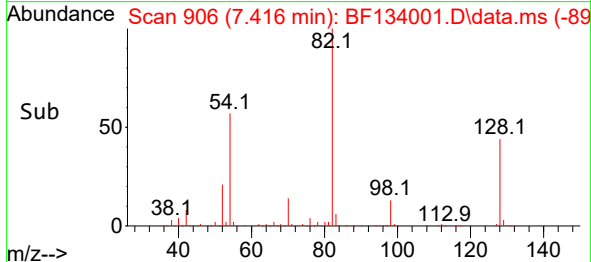
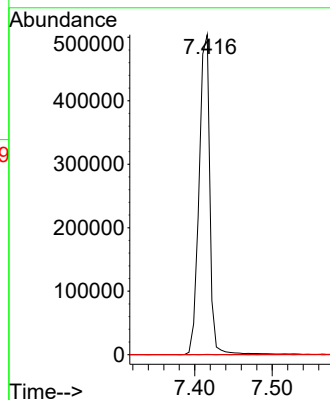
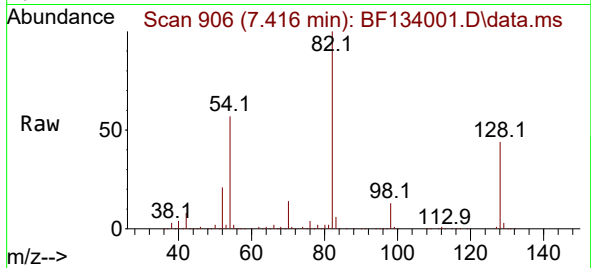




#25
Isophorone
Concen: 40.079 ng
RT: 7.416 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF134001.D
Acq: 27 Jun 2023 20:43

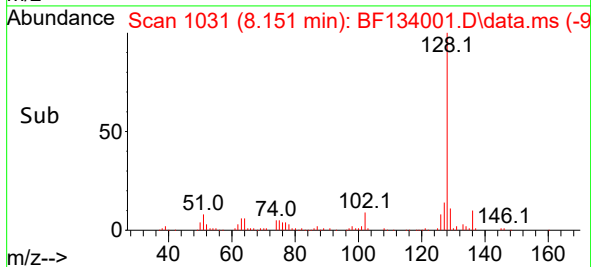
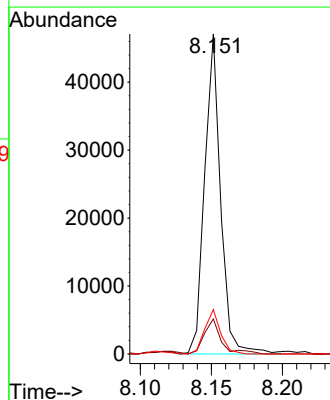
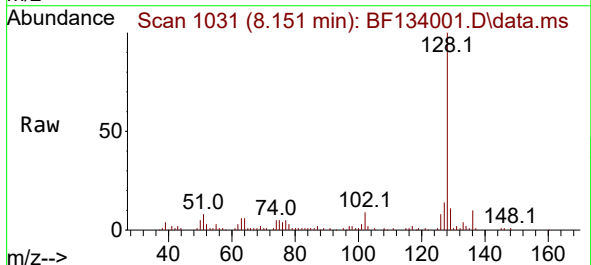
Instrument :
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ClientSampleId :
TP4-0623

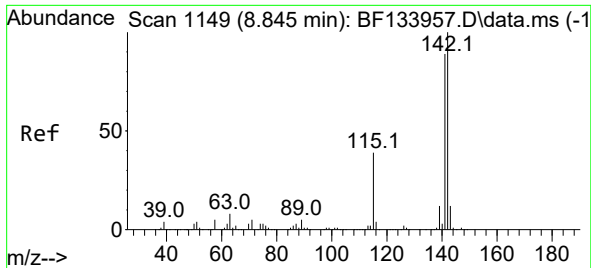
Tgt Ion: 82 Resp: 486418
Ion Ratio Lower Upper
82 100
95 0.1 6.1 9.1#
138 0.0 15.2 22.8#



#31
Naphthalene
Concen: 2.126 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF134001.D
Acq: 27 Jun 2023 20:43

Tgt Ion:128 Resp: 36959
Ion Ratio Lower Upper
128 100
129 10.9 8.7 13.1
127 13.8 10.6 15.8

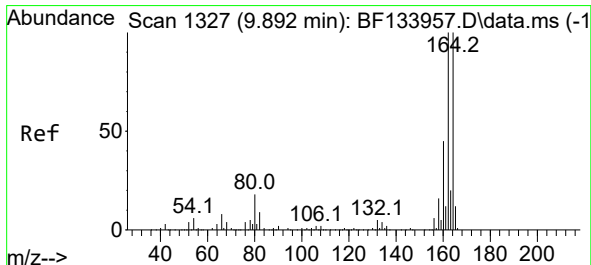
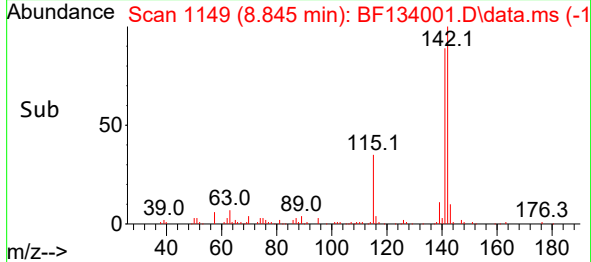
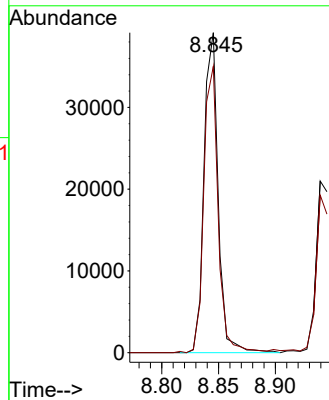
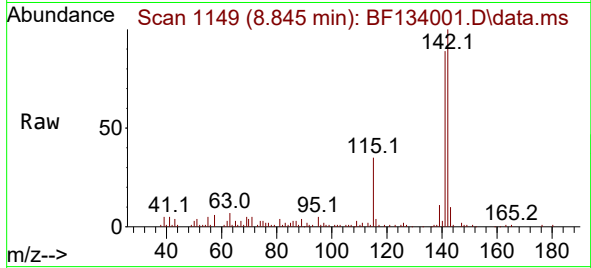




#37
2-Methylnaphthalene
Concen: 2.756 ng
RT: 8.845 min Scan# 1149
Delta R.T. 0.000 min
Lab File: BF134001.D
Acq: 27 Jun 2023 20:43

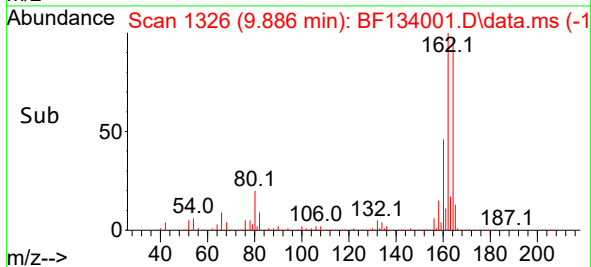
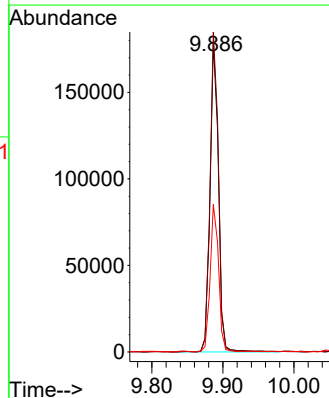
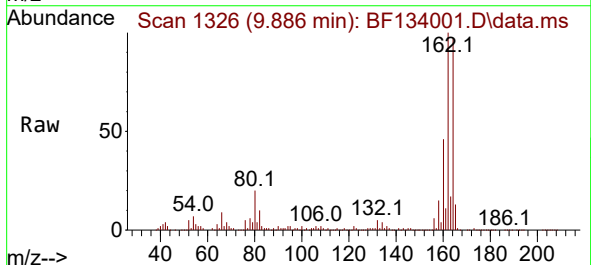
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TP4-0623

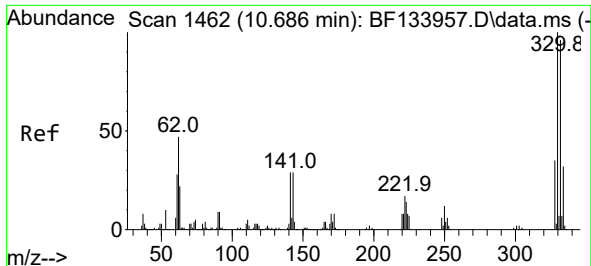
Tgt Ion:142 Resp: 33885
Ion Ratio Lower Upper
142 100
141 89.5 71.0 106.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF134001.D
Acq: 27 Jun 2023 20:43

Tgt Ion:164 Resp: 147341
Ion Ratio Lower Upper
164 100
162 103.5 80.0 120.0
160 47.7 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 88.763 ng

RT: 10.681 min Scan# 1461

Delta R.T. -0.006 min

Lab File: BF134001.D

Acq: 27 Jun 2023 20:43

Instrument :

BNA_F

ClientSampleId :

TP4-0623

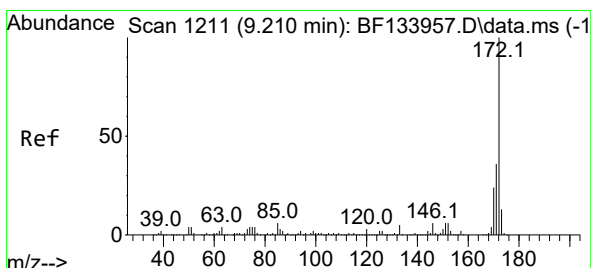
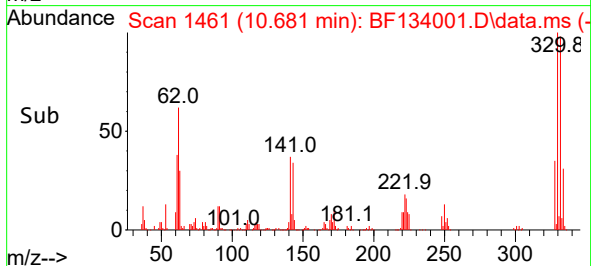
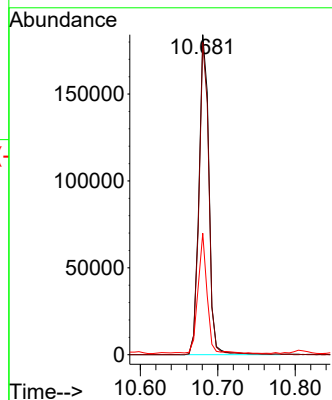
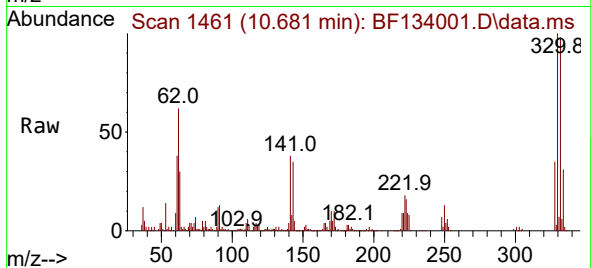
Tgt Ion:330 Resp: 163978

Ion Ratio Lower Upper

330 100

332 96.3 77.0 115.6

141 34.3 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 81.621 ng

RT: 9.210 min Scan# 1211

Delta R.T. 0.000 min

Lab File: BF134001.D

Acq: 27 Jun 2023 20:43

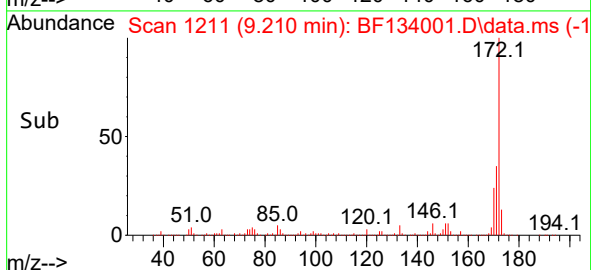
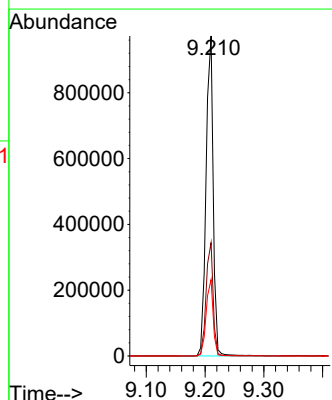
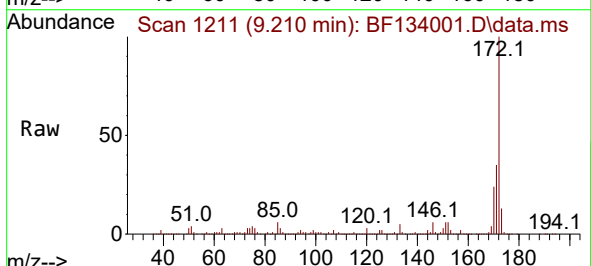
Tgt Ion:172 Resp: 827165

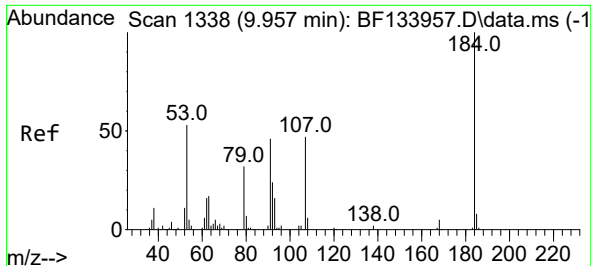
Ion Ratio Lower Upper

172 100

171 35.4 28.6 43.0

170 23.8 19.4 29.0

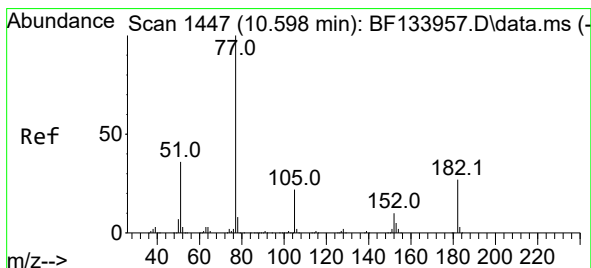
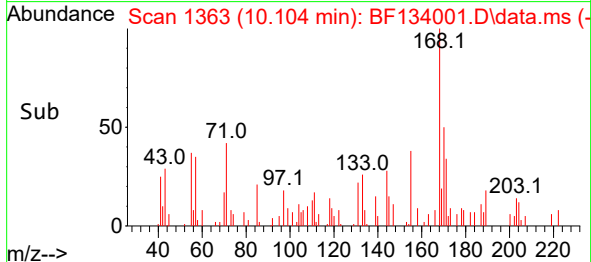
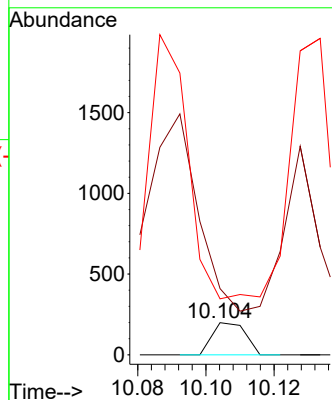
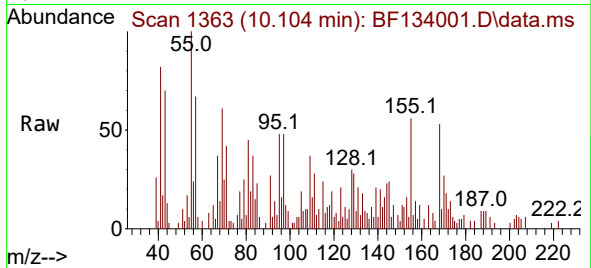




#54
2,4-Dinitrophenol
Concen: 3.960 ng
RT: 10.104 min Scan# 11
Delta R.T. 0.147 min
Lab File: BF134001.D
Acq: 27 Jun 2023 20:43

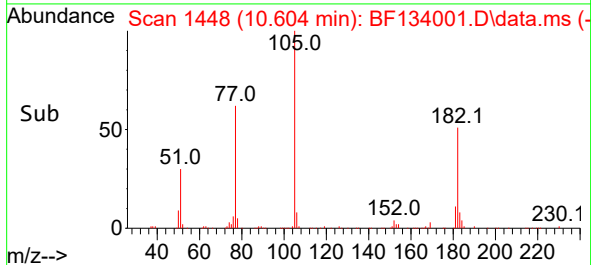
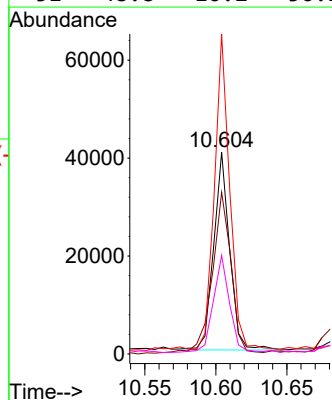
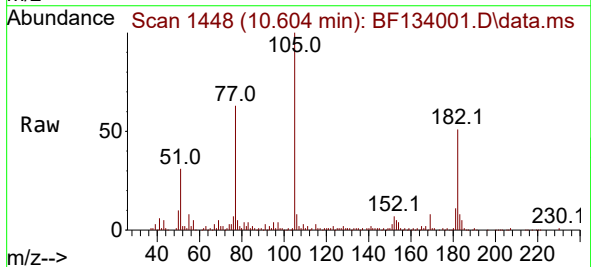
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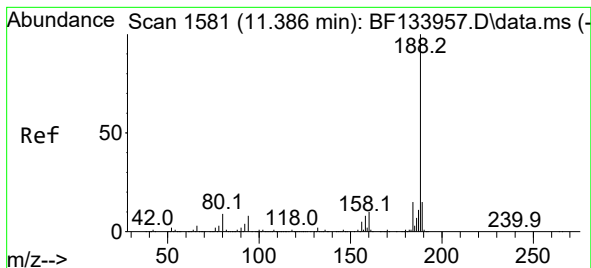
Tgt Ion:184 Resp: 134
Ion Ratio Lower Upper
184 100
63 206.0 56.9 85.3#
154 173.9 55.4 83.0#



#63
Azobenzene
Concen: 3.004 ng
RT: 10.604 min Scan# 1448
Delta R.T. 0.006 min
Lab File: BF134001.D
Acq: 27 Jun 2023 20:43

Tgt Ion: 77 Resp: 31661
Ion Ratio Lower Upper
77 100
182 80.2 6.8 46.8#
105 158.5 2.3 42.3#
51 48.8 16.2 56.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.381 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134001.D

Acq: 27 Jun 2023 20:43

Instrument :

BNA_F

ClientSampleId :

TP4-0623

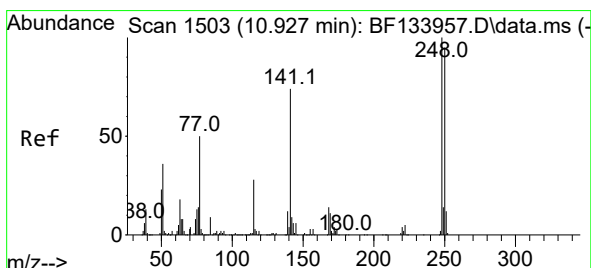
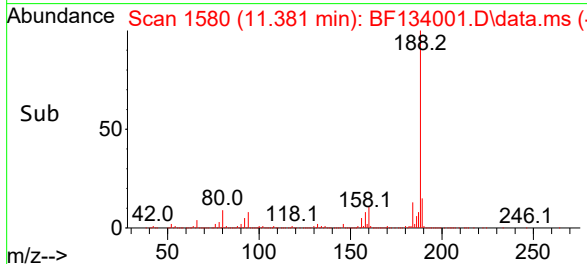
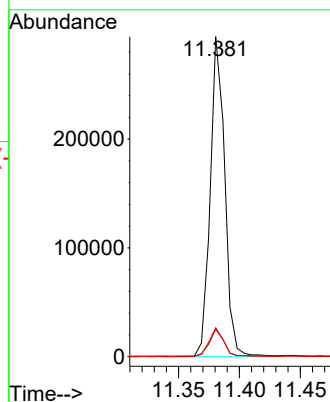
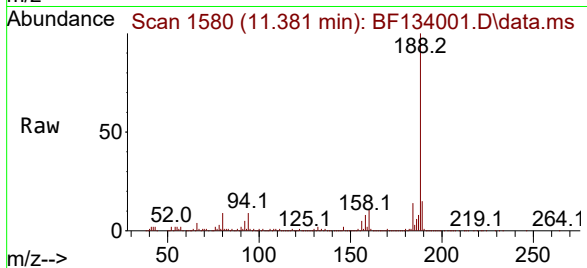
Tgt Ion:188 Resp: 245158

Ion Ratio Lower Upper

188 100

94 8.6 6.4 9.6

80 9.0 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 3.935 ng

RT: 10.681 min Scan# 1461

Delta R.T. -0.247 min

Lab File: BF134001.D

Acq: 27 Jun 2023 20:43

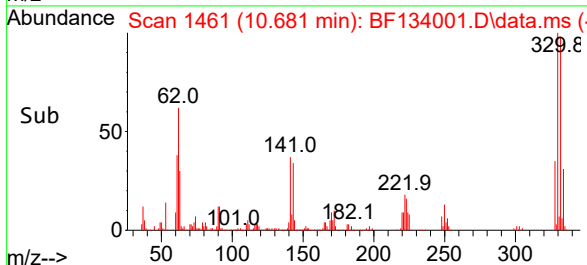
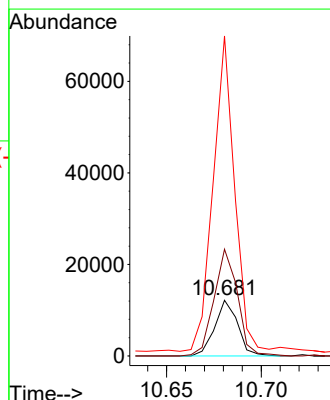
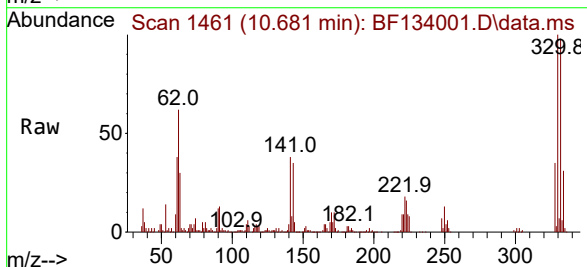
Tgt Ion:248 Resp: 10254

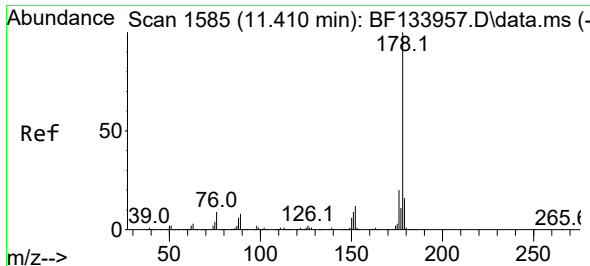
Ion Ratio Lower Upper

248 100

250 191.5 76.2 114.4#

141 574.2 59.0 88.4#

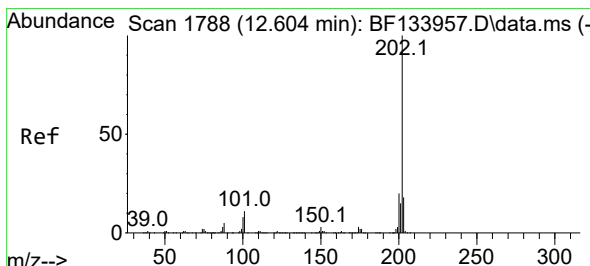
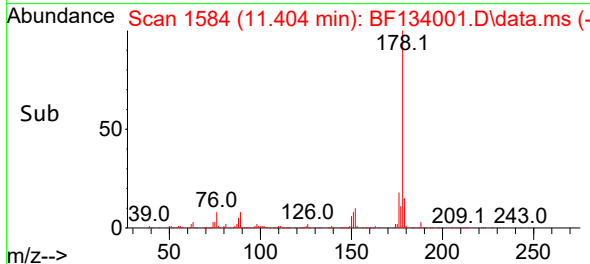
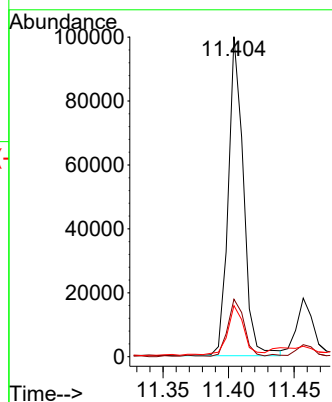
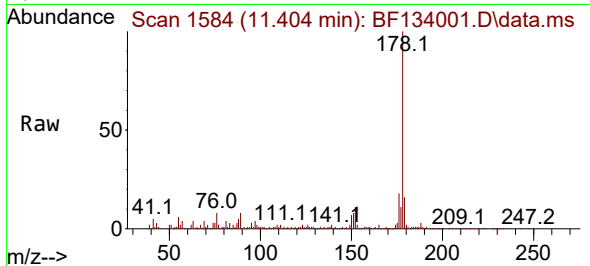




#71
Phenanthrene
Concen: 6.494 ng
RT: 11.404 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF134001.D
Acq: 27 Jun 2023 20:43

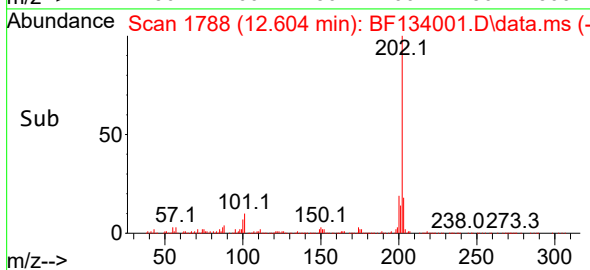
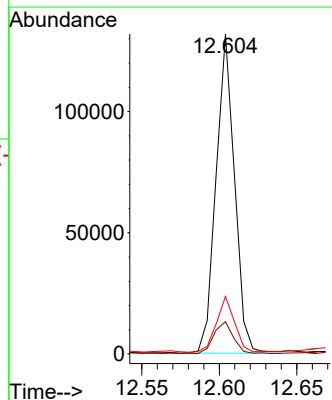
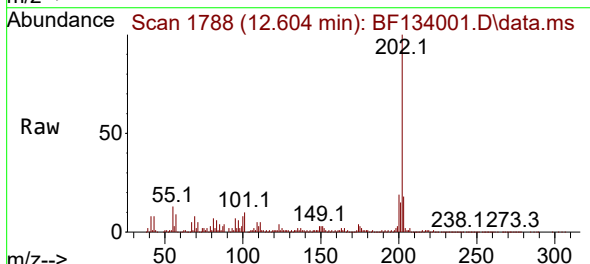
Instrument :
BNA_F
ClientSampleId :
TP4-0623

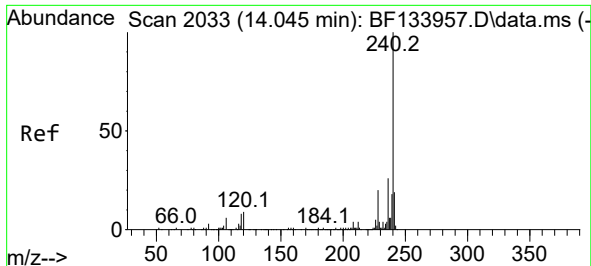
Tgt Ion:178 Resp: 80142
Ion Ratio Lower Upper
178 100
176 17.9 16.0 24.0
179 16.0 12.4 18.6



#75
Fluoranthene
Concen: 8.223 ng
RT: 12.604 min Scan# 1788
Delta R.T. 0.000 min
Lab File: BF134001.D
Acq: 27 Jun 2023 20:43

Tgt Ion:202 Resp: 109712
Ion Ratio Lower Upper
202 100
101 10.1 0.0 31.0
203 17.9 0.0 37.6

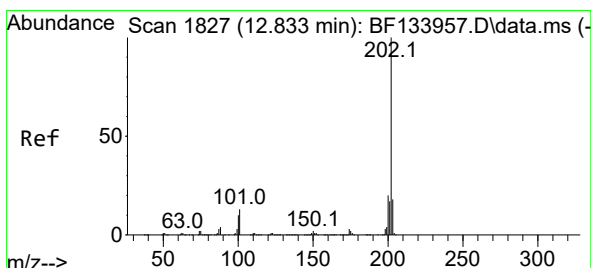
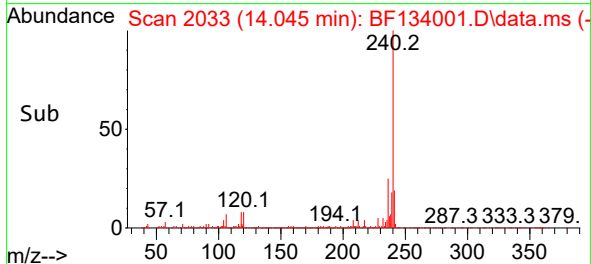
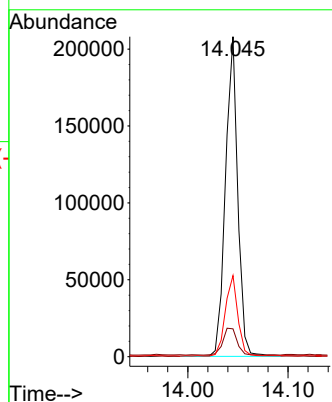
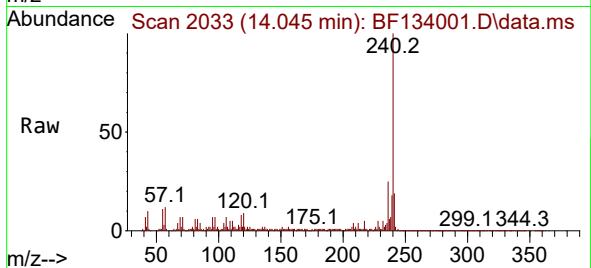




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF134001.D
Acq: 27 Jun 2023 20:43

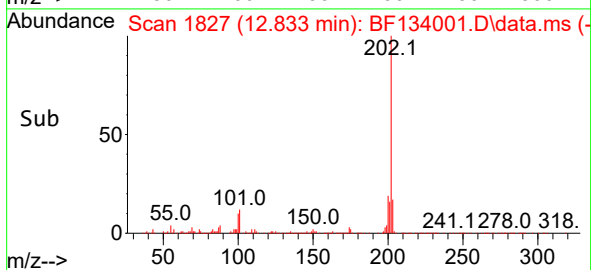
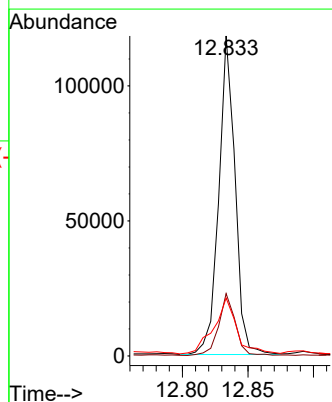
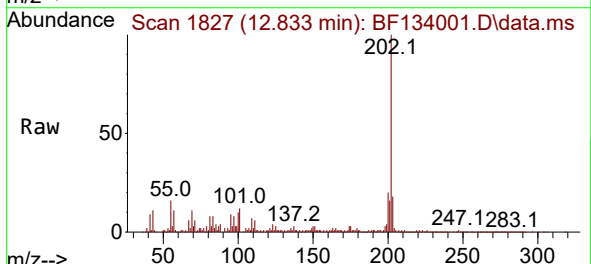
Instrument :
BNA_F
ClientSampleId :
TP4-0623

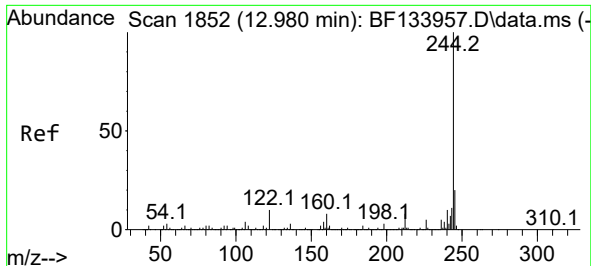
Tgt Ion:240 Resp: 175964
Ion Ratio Lower Upper
240 100
120 8.7 7.4 11.0
236 25.4 21.0 31.6



#78
Pyrene
Concen: 6.216 ng
RT: 12.833 min Scan# 1827
Delta R.T. 0.000 min
Lab File: BF134001.D
Acq: 27 Jun 2023 20:43

Tgt Ion:202 Resp: 101785
Ion Ratio Lower Upper
202 100
200 19.5 16.1 24.1
203 18.1 14.3 21.5

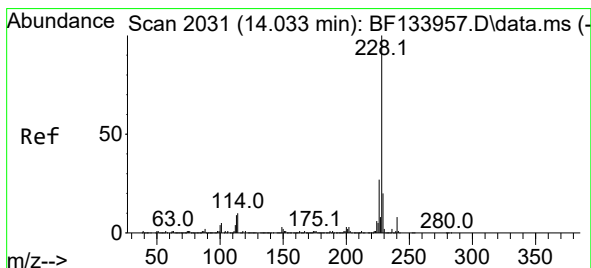
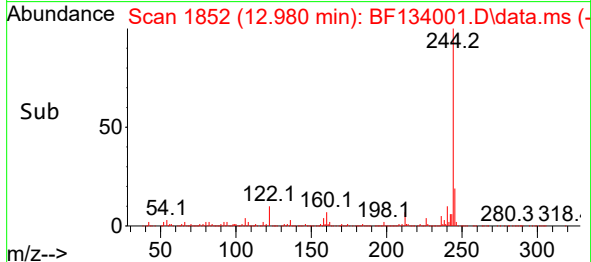
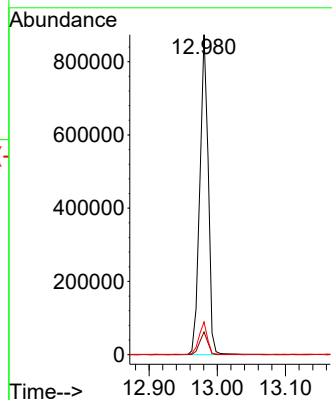
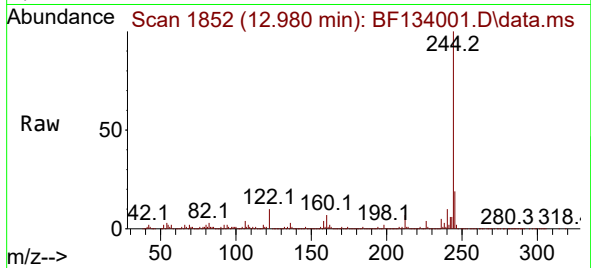




#79
 Terphenyl-d14
 Concen: 68.235 ng
 RT: 12.980 min Scan# 1852
 Delta R.T. 0.000 min
 Lab File: BF134001.D
 Acq: 27 Jun 2023 20:43

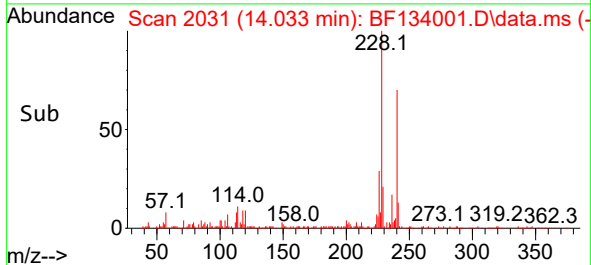
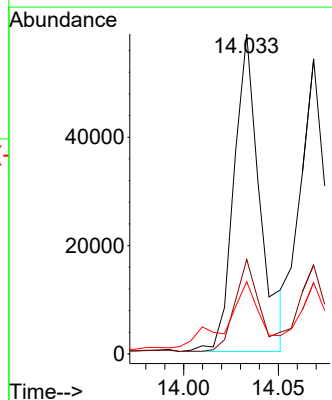
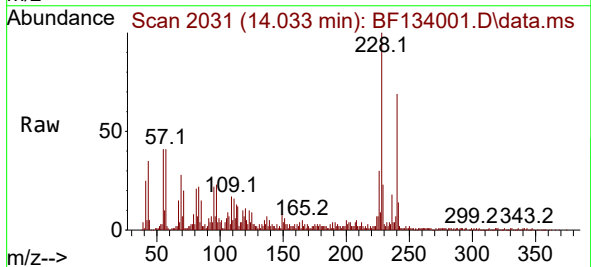
Instrument :
 BNA_F
 ClientSampleId :
 TP4-0623

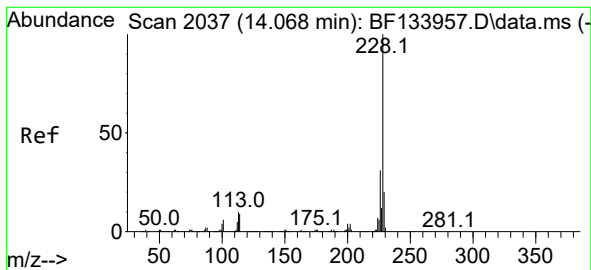
Tgt Ion:244 Resp: 746044
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 10.2 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 4.586 ng
 RT: 14.033 min Scan# 2031
 Delta R.T. 0.000 min
 Lab File: BF134001.D
 Acq: 27 Jun 2023 20:43

Tgt Ion:228 Resp: 55965
 Ion Ratio Lower Upper
 228 100
 226 29.6 22.0 33.0
 229 22.6 16.3 24.5





#83

Chrysene

Concen: 4.735 ng

RT: 14.033 min Scan# 2037

Delta R.T. -0.035 min

Lab File: BF134001.D

Acq: 27 Jun 2023 20:43

Instrument :

BNA_F

ClientSampleId :

TP4-0623

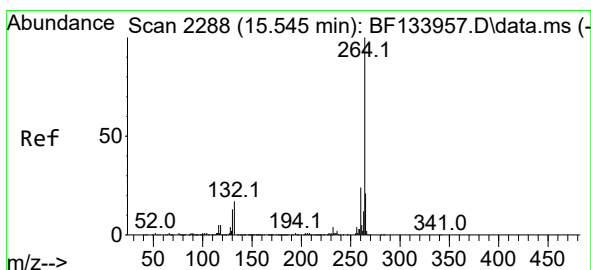
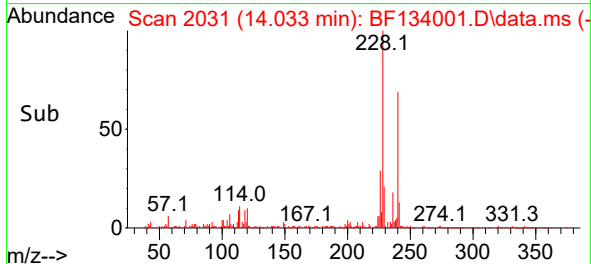
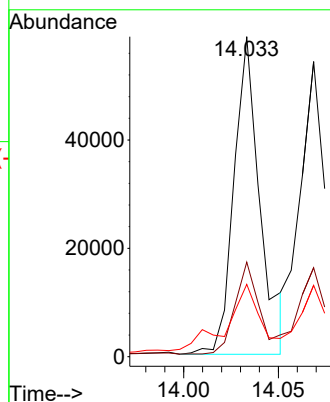
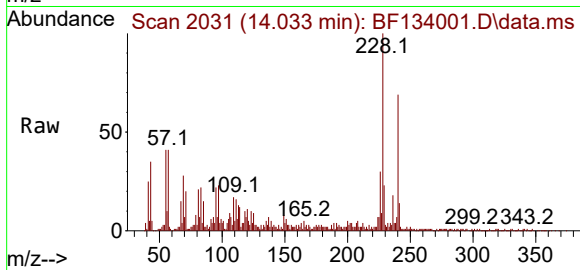
Tgt Ion:228 Resp: 55965

Ion Ratio Lower Upper

228 100

226 29.6 24.4 36.6

229 22.6 16.1 24.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 2289

Delta R.T. 0.006 min

Lab File: BF134001.D

Acq: 27 Jun 2023 20:43

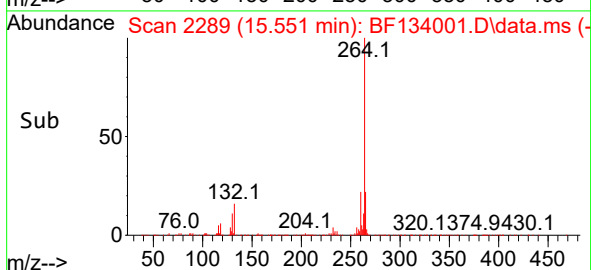
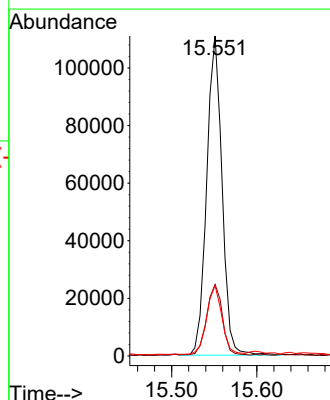
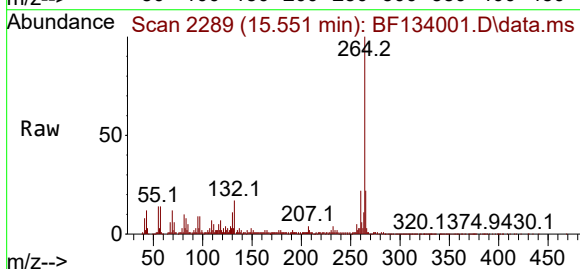
Tgt Ion:264 Resp: 138687

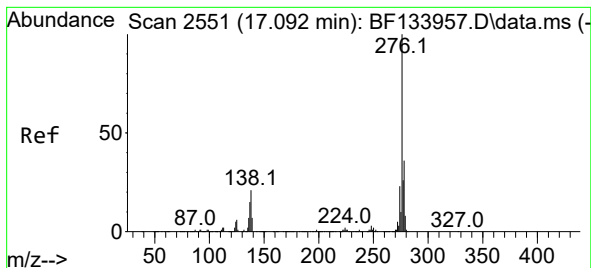
Ion Ratio Lower Upper

264 100

260 22.4 19.5 29.3

265 22.0 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.626 ng

RT: 17.092 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF134001.D

Acq: 27 Jun 2023 20:43

Instrument :

BNA_F

ClientSampleId :

TP4-0623

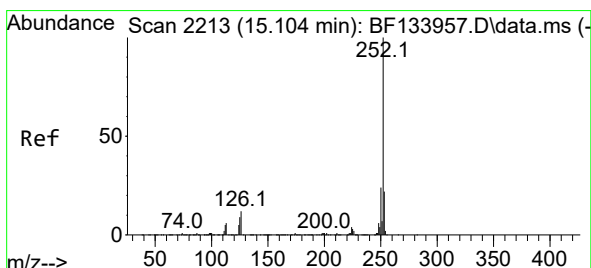
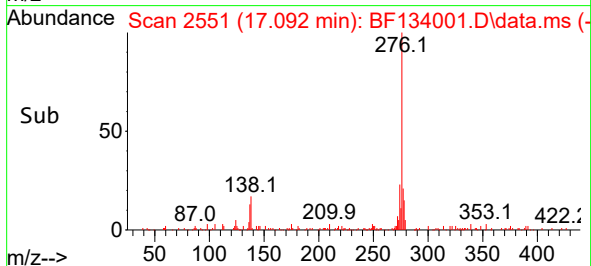
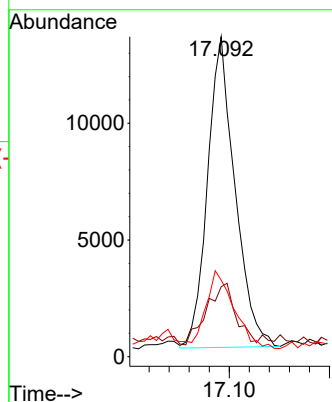
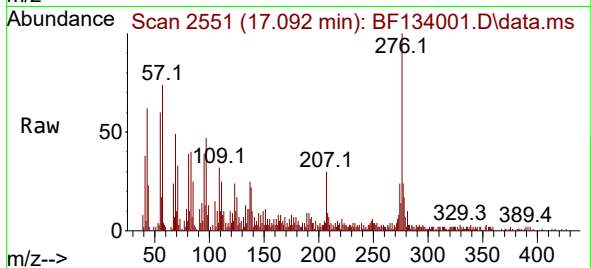
Tgt Ion:276 Resp: 25276

Ion Ratio Lower Upper

276 100

138 21.1 18.7 28.1

277 25.3 19.9 29.9



#88

Benzo(b)fluoranthene

Concen: 9.558 ng

RT: 15.104 min Scan# 2213

Delta R.T. 0.000 min

Lab File: BF134001.D

Acq: 27 Jun 2023 20:43

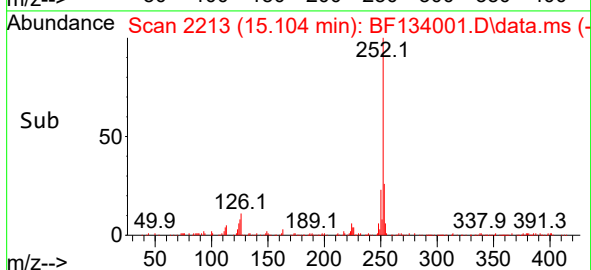
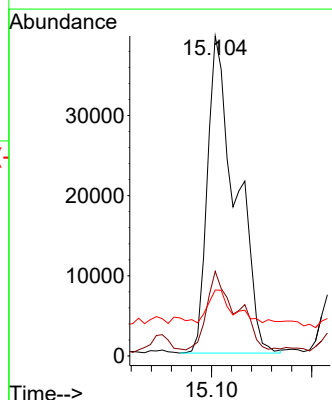
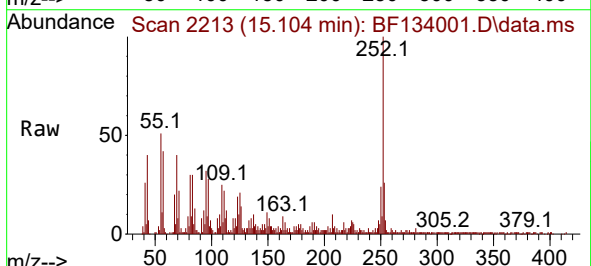
Tgt Ion:252 Resp: 77948

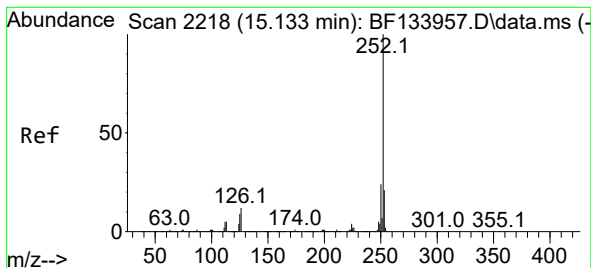
Ion Ratio Lower Upper

252 100

253 26.5 17.4 26.0#

125 20.6 7.1 10.7#





#89

Benzo(k)fluoranthene

Concen: 9.388 ng

RT: 15.104 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF134001.D

Acq: 27 Jun 2023 20:43

Instrument :

BNA_F

ClientSampleId :

TP4-0623

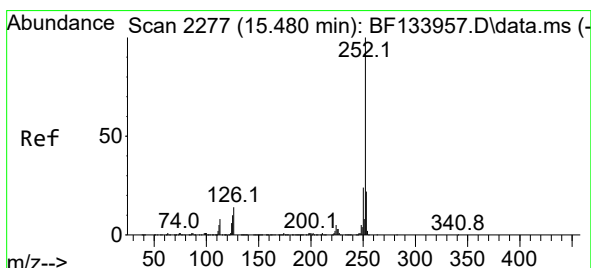
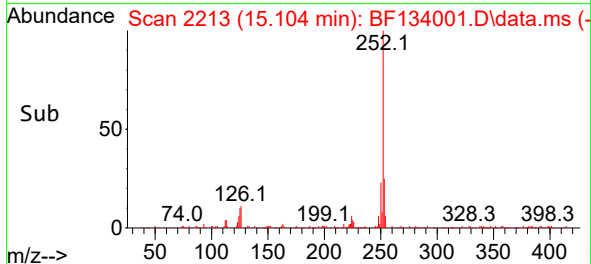
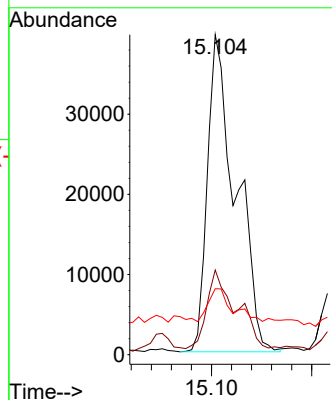
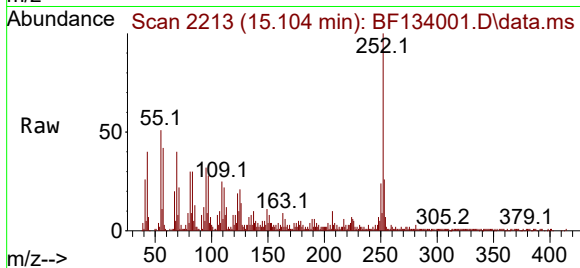
Tgt Ion:252 Resp: 77948

Ion Ratio Lower Upper

252 100

253 26.5 16.9 25.3#

125 20.6 7.4 11.2#



#90

Benzo(a)pyrene

Concen: 4.985 ng

RT: 15.486 min Scan# 2278

Delta R.T. 0.006 min

Lab File: BF134001.D

Acq: 27 Jun 2023 20:43

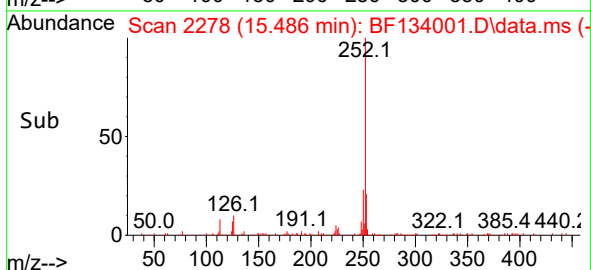
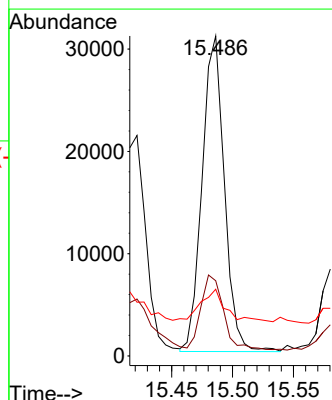
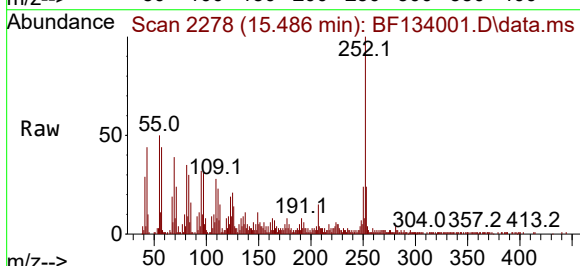
Tgt Ion:252 Resp: 39310

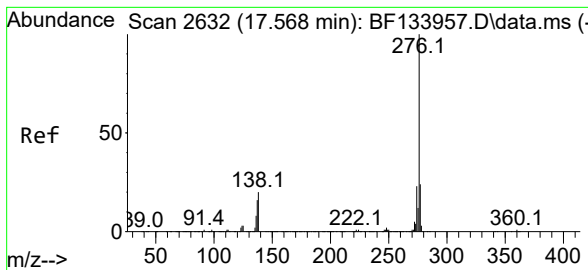
Ion Ratio Lower Upper

252 100

253 23.5 17.4 26.0

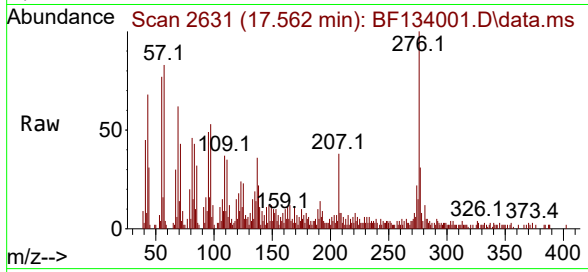
125 20.8 8.4 12.6#





#92
 Benzo(g,h,i)perylene
 Concen: 2.988 ng
 RT: 17.562 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: BF134001.D
 Acq: 27 Jun 2023 20:43

Instrument :
 BNA_F
 ClientSampleId :
 TP4-0623



Tgt Ion:	276	Resp:	24222
Ion Ratio	Lower	Upper	
276	100		
277	31.0	19.0	28.6#
138	21.8	16.2	24.2

