

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030323\
 Data File : BF132637.D
 Acq On : 03 Mar 2023 19:42
 Operator : CG\JU
 Sample : 01767-11DL 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CE-63-030123DL

Quant Time: Mar 04 02:20:42 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 24 23:17:30 2023
 Response via : Initial Calibration

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

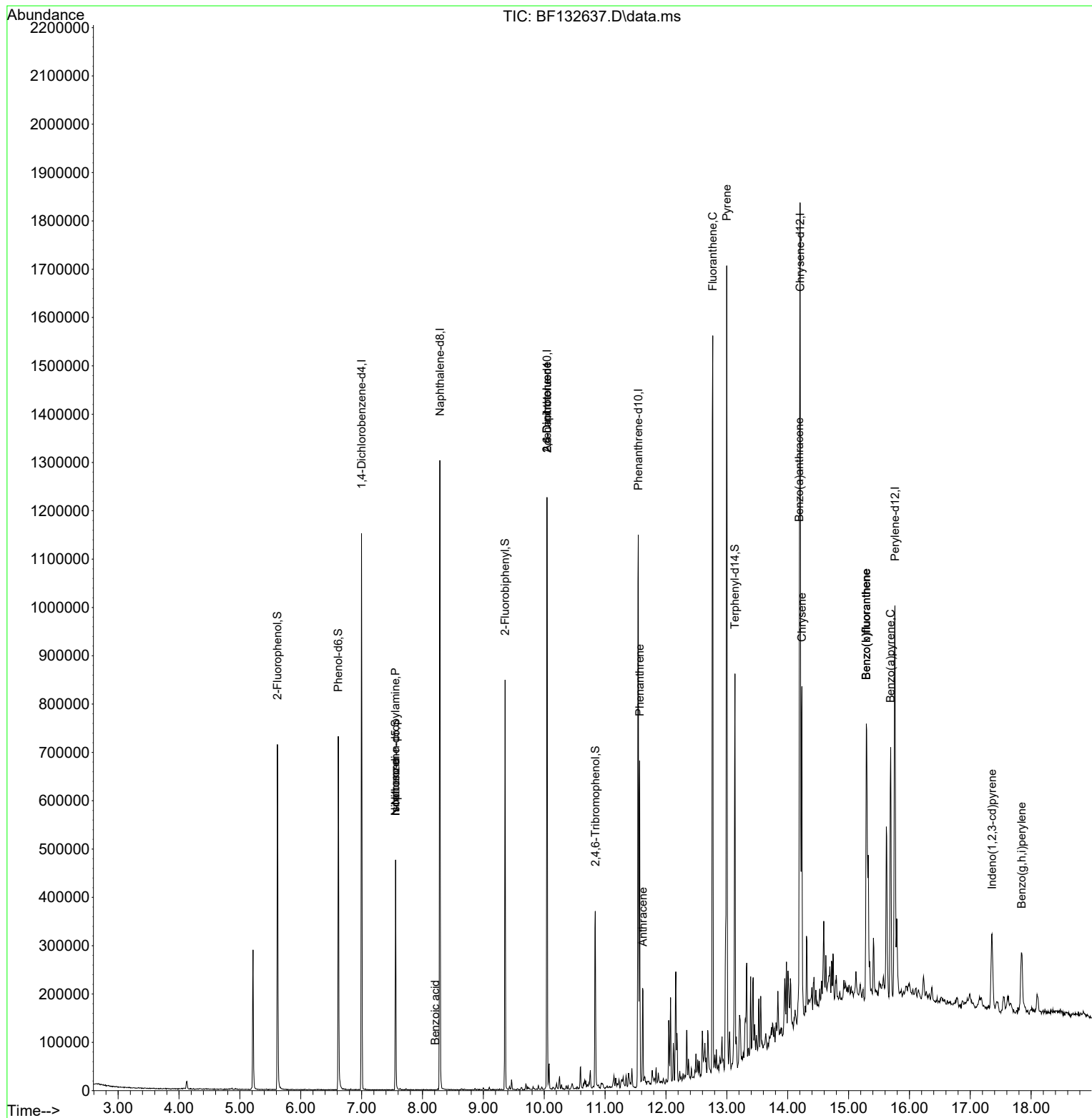
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.998	152	161071	20.000	ng	0.00
21) Naphthalene-d8	8.287	136	525483	20.000	ng	0.00
39) Acenaphthene-d10	10.045	164	231976	20.000	ng	0.00
64) Phenanthrene-d10	11.545	188	434731	20.000	ng	0.00
76) Chrysene-d12	14.204	240	438614	20.000	ng	# 0.00
86) Perylene-d12	15.763	264	400691	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.616	112	204814	20.637	ng	-0.01
7) Phenol-d6	6.616	99	248527	19.188	ng	-0.02
23) Nitrobenzene-d5	7.557	82	132508	11.964	ng	-0.01
42) 2,4,6-Tribromophenol	10.839	330	41861	16.709	ng	0.00
45) 2-Fluorobiphenyl	9.357	172	225660	14.812	ng	-0.01
79) Terphenyl-d14	13.133	244	267746	10.321	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.557	70	16574	2.079	ng	# 78
25) Isophorone	7.557	82	132507	6.240	ng	# 67
32) Benzoic acid	8.210	122	54	3.844	ng	# 1
51) 2,6-Dinitrotoluene	10.045	165	30189	7.848	ng	# 22
57) 2,4-Dinitrotoluene	10.045	165	30189	5.899	ng	# 21
71) Phenanthrene	11.569	178	249097	11.061	ng	97
72) Anthracene	11.622	178	78234	3.373	ng	98
75) Fluoranthene	12.769	202	623172	25.311	ng	99
78) Pyrene	12.998	202	668098	16.754	ng	99
81) Benzo(a)anthracene	14.192	228	338006	10.299	ng	97
83) Chrysene	14.233	228	291487	9.498	ng	97
87) Indeno(1,2,3-cd)pyrene	17.357	276	112225	4.274	ng	98
88) Benzo(b)fluoranthene	15.292	252	469037	17.467	ng	# 97
89) Benzo(k)fluoranthene	15.292	252	469037	17.848	ng	# 97
90) Benzo(a)pyrene	15.692	252	264188	10.512	ng	97
92) Benzo(g,h,i)perylene	17.845	276	109319	5.984	ng	95

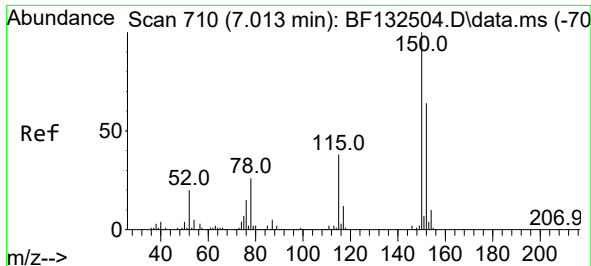
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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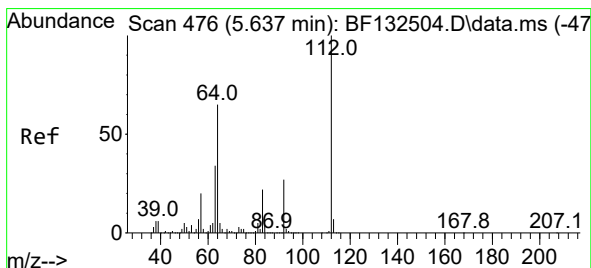
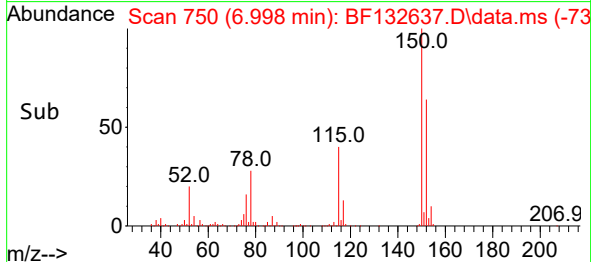
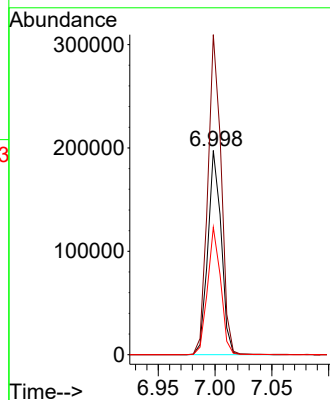
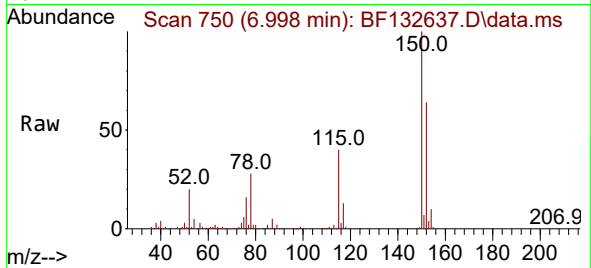




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.998 min Scan# 710
Delta R.T. -0.009 min
Lab File: BF132637.D
Acq: 03 Mar 2023 19:42

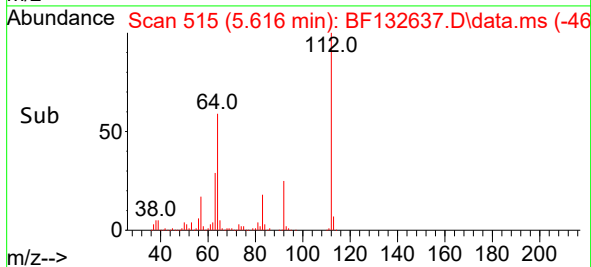
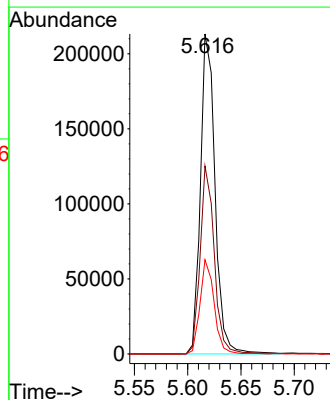
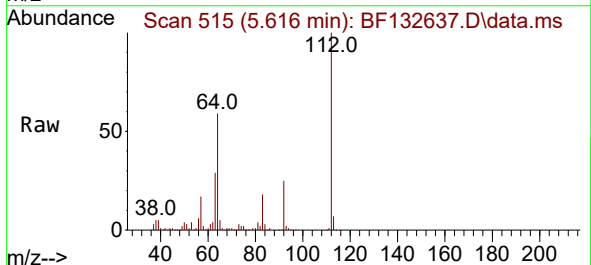
Instrument :
BNA_F
ClientSampleId :
CE-63-030123DL

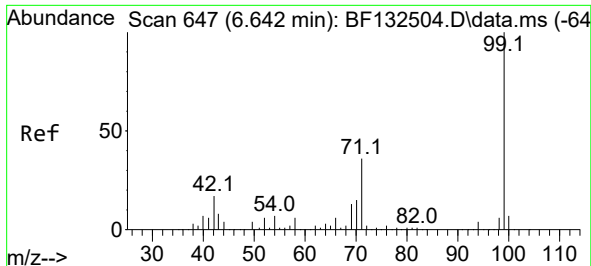
Tgt Ion:152 Resp: 161071
Ion Ratio Lower Upper
152 100
150 156.8 125.4 188.2
115 62.4 47.8 71.6



#5
2-Fluorophenol
Concen: 20.637 ng
RT: 5.616 min Scan# 515
Delta R.T. -0.015 min
Lab File: BF132637.D
Acq: 03 Mar 2023 19:42

Tgt Ion:112 Resp: 204814
Ion Ratio Lower Upper
112 100
64 58.8 51.6 77.4
63 29.5 27.4 41.2

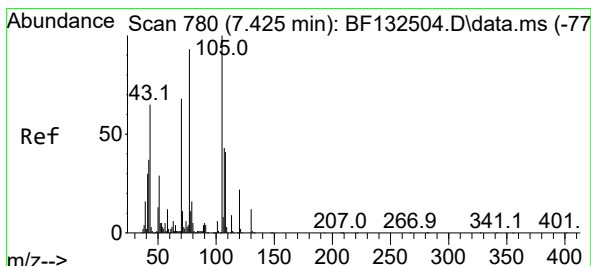
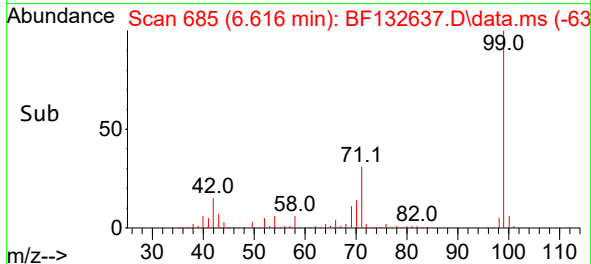
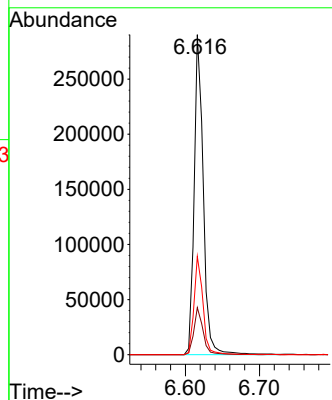
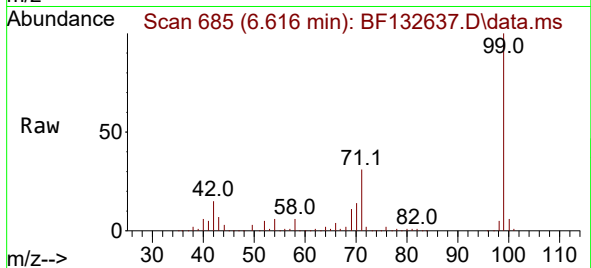




#7
Phenol-d6
Concen: 19.188 ng
RT: 6.616 min Scan# 61
Delta R.T. -0.020 min
Lab File: BF132637.D
Acq: 03 Mar 2023 19:42

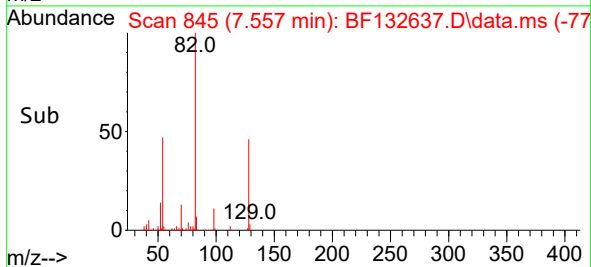
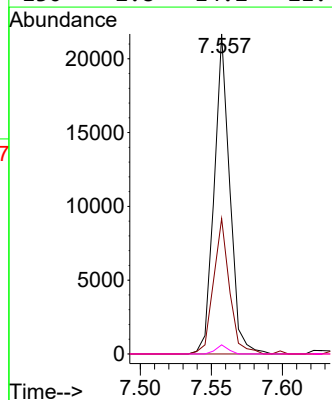
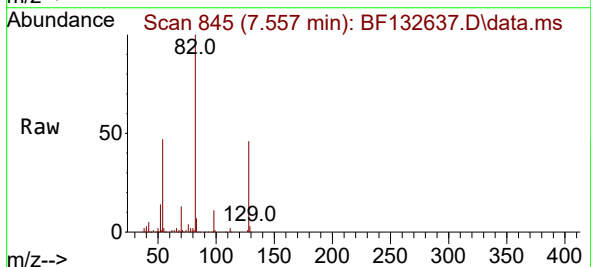
Instrument :
BNA_F
ClientSampleId :
CE-63-030123DL

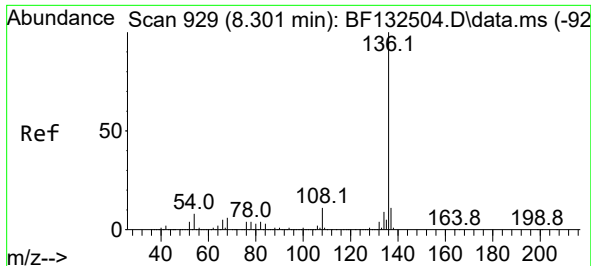
Tgt Ion: 99 Resp: 248527
Ion Ratio Lower Upper
99 100
42 14.7 13.9 20.9
71 30.7 28.5 42.7



#19
n-Nitroso-di-n-propylamine
Concen: 2.079 ng
RT: 7.557 min Scan# 845
Delta R.T. 0.138 min
Lab File: BF132637.D
Acq: 03 Mar 2023 19:42

Tgt Ion: 70 Resp: 16574
Ion Ratio Lower Upper
70 100
42 42.3 44.1 66.1#
101 0.0 7.4 11.2#
130 2.8 14.2 21.4#



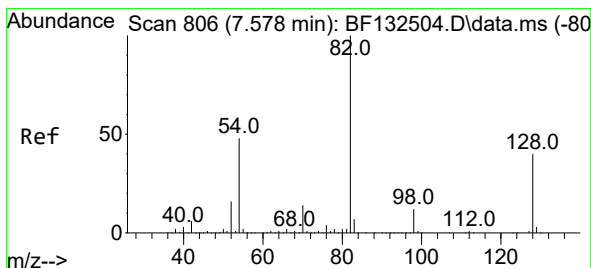
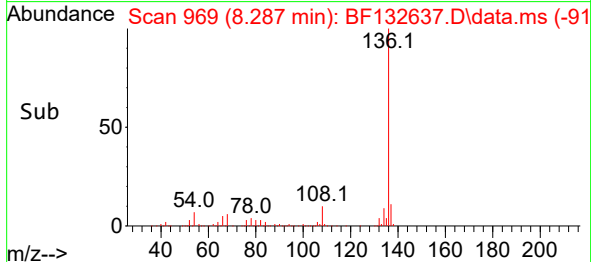
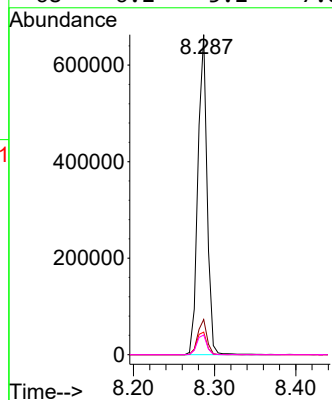
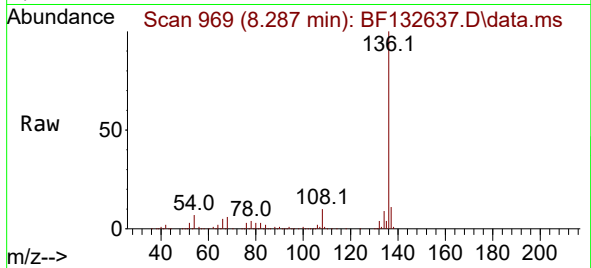


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.287 min Scan# 910
Delta R.T. -0.003 min
Lab File: BF132637.D
Acq: 03 Mar 2023 19:42

Instrument :
BNA_F
ClientSampleId :
CE-63-030123DL

Tgt Ion:136 Resp: 525483

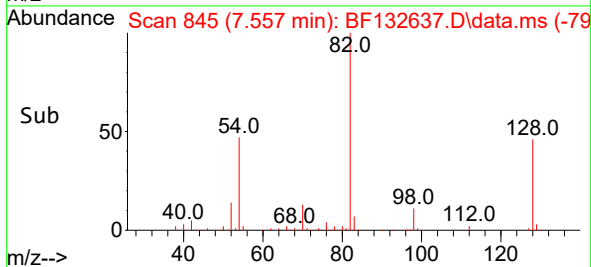
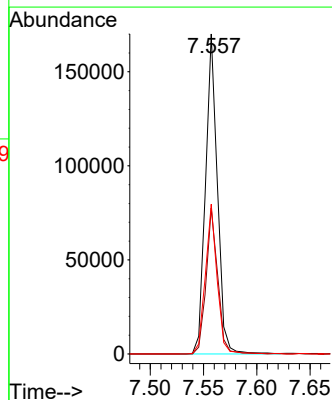
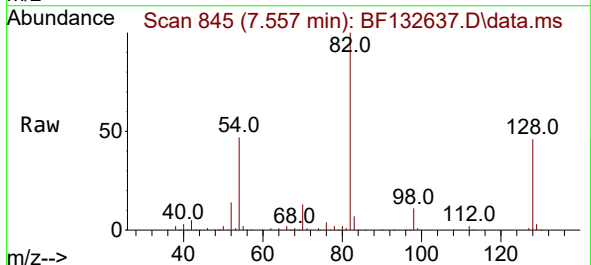
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.0	6.2	9.4
68	6.2	5.2	7.8

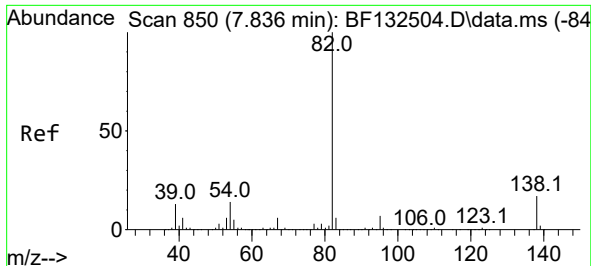


#23
Nitrobenzene-d5
Concen: 11.964 ng
RT: 7.557 min Scan# 845
Delta R.T. -0.015 min
Lab File: BF132637.D
Acq: 03 Mar 2023 19:42

Tgt Ion: 82 Resp: 132508

Ion	Ratio	Lower	Upper
82	100		
128	45.6	32.2	48.2
54	46.8	38.4	57.6

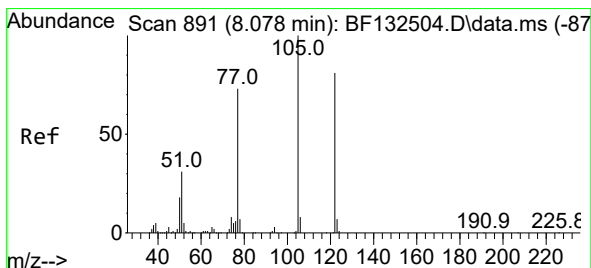
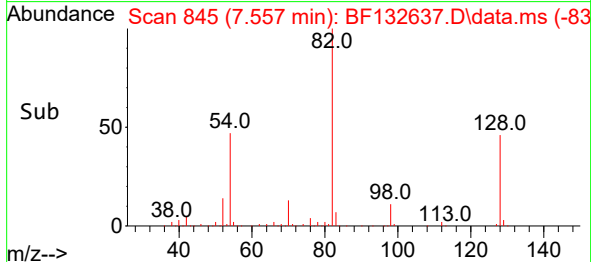
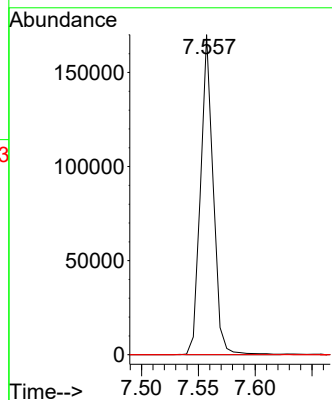
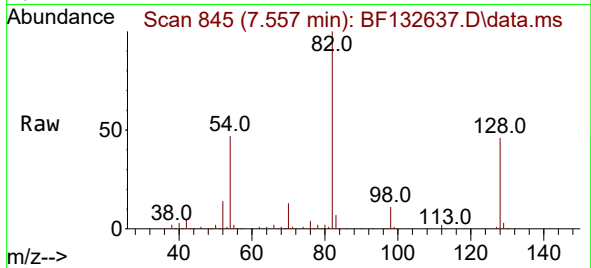




#25
Isophorone
Concen: 6.240 ng
RT: 7.557 min Scan# 84
Delta R.T. -0.267 min
Lab File: BF132637.D
Acq: 03 Mar 2023 19:42

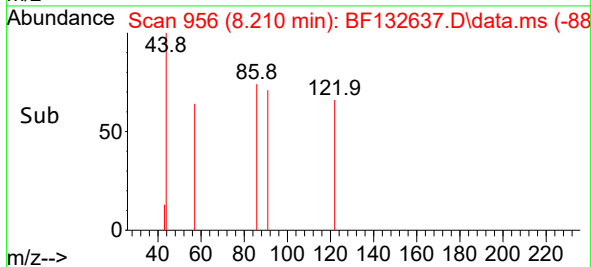
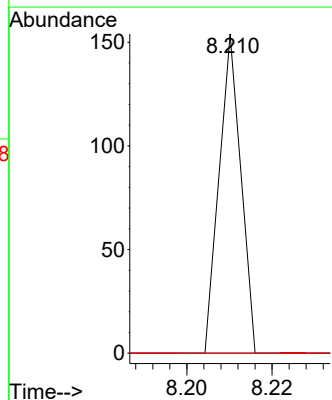
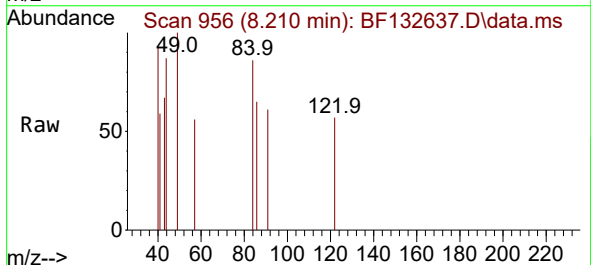
Instrument :
BNA_F
ClientSampleId :
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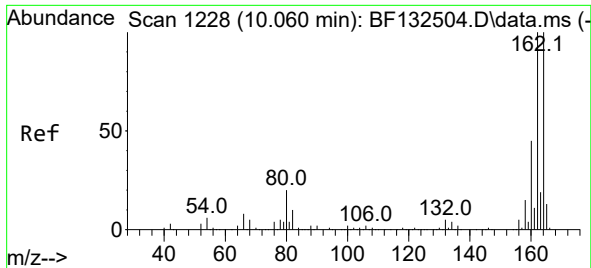
Tgt Ion: 82 Resp: 132507
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.3 19.9#



#32
Benzoic acid
Concen: 3.844 ng
RT: 8.210 min Scan# 956
Delta R.T. 0.144 min
Lab File: BF132637.D
Acq: 03 Mar 2023 19:42

Tgt Ion: 122 Resp: 54
Ion Ratio Lower Upper
122 100
105 0.0 102.6 142.6#
77 0.0 70.2 110.2#

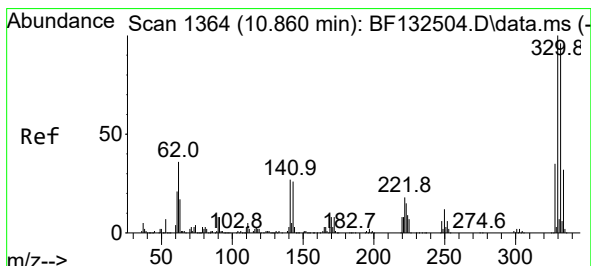
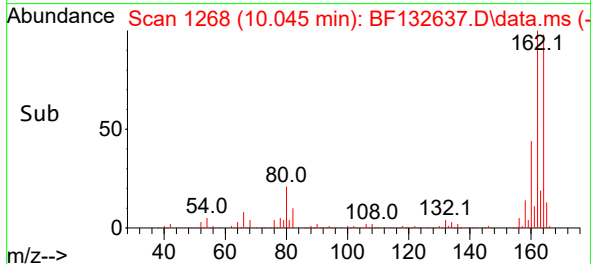
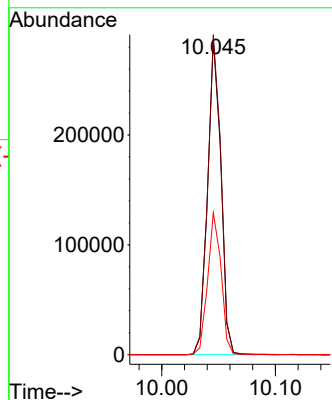
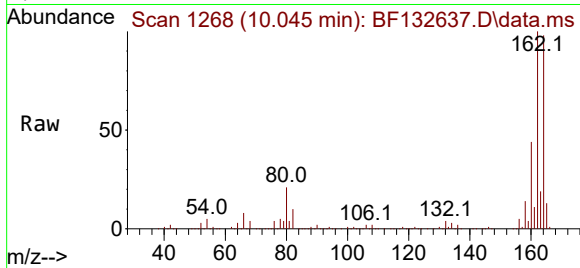




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.045 min Scan# 11
Delta R.T. -0.009 min
Lab File: BF132637.D
Acq: 03 Mar 2023 19:42

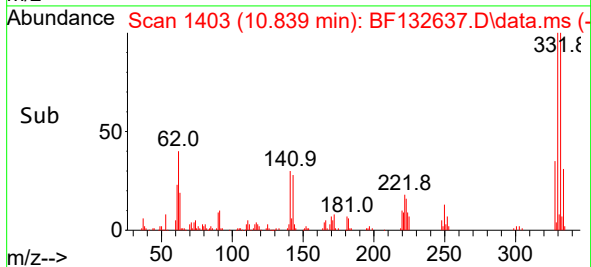
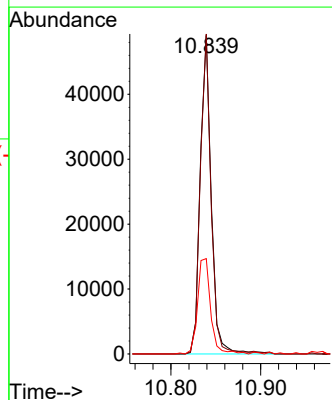
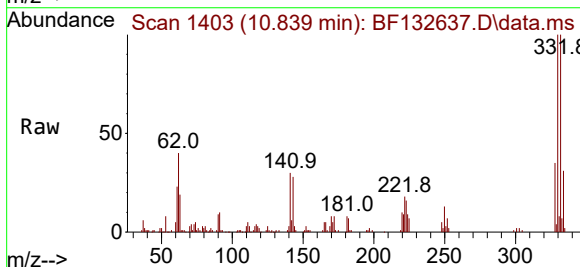
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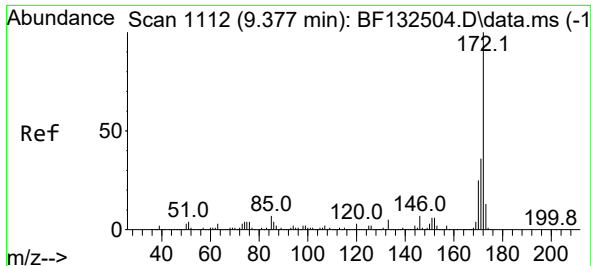
Tgt Ion:164 Resp: 231976
Ion Ratio Lower Upper
164 100
162 101.6 79.8 119.8
160 45.1 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 16.709 ng
RT: 10.839 min Scan# 1403
Delta R.T. -0.009 min
Lab File: BF132637.D
Acq: 03 Mar 2023 19:42

Tgt Ion:330 Resp: 41861
Ion Ratio Lower Upper
330 100
332 96.9 76.2 114.4
141 35.6 28.4 42.6

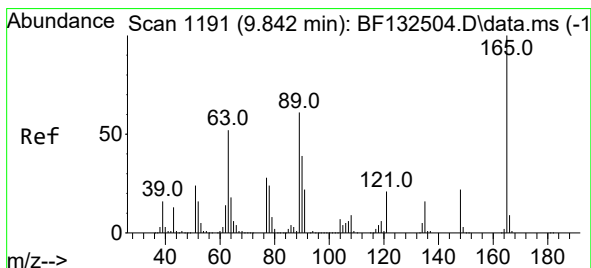
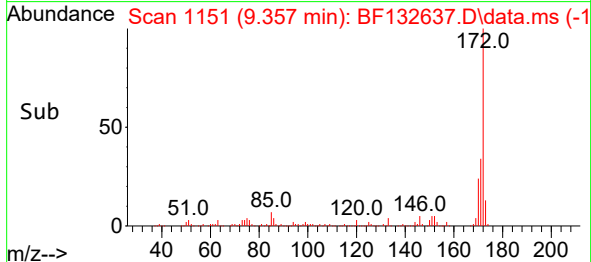
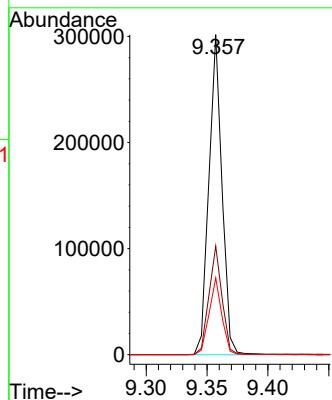
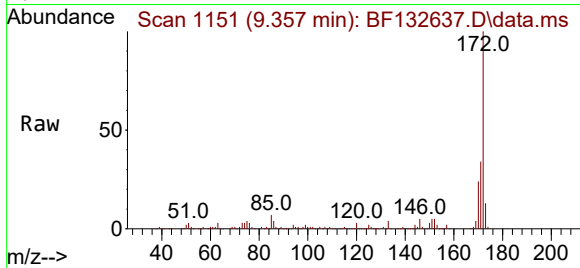




#45
2-Fluorobiphenyl
Concen: 14.812 ng
RT: 9.357 min Scan# 1112
Delta R.T. -0.015 min
Lab File: BF132637.D
Acq: 03 Mar 2023 19:42

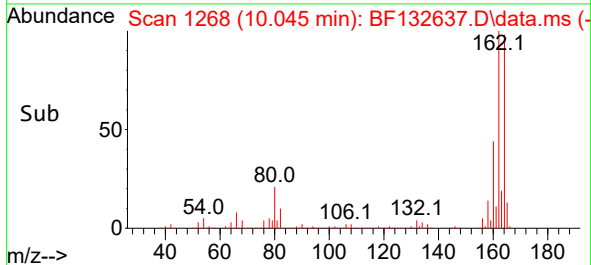
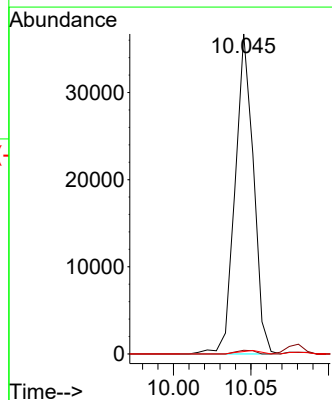
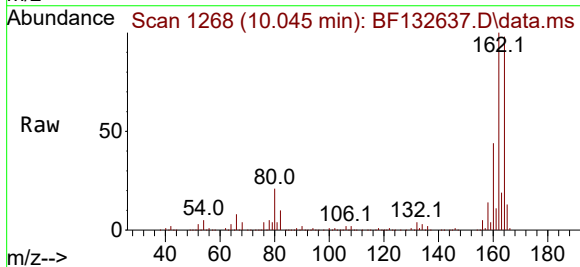
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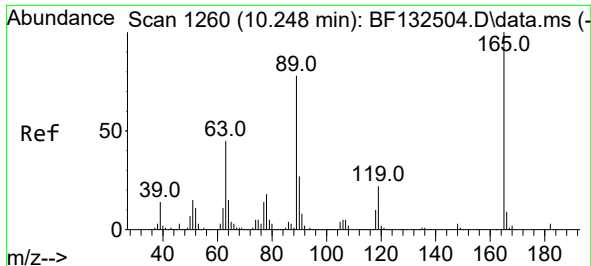
Tgt Ion:172 Resp: 225660
Ion Ratio Lower Upper
172 100
171 33.9 28.8 43.2
170 24.0 19.7 29.5



#51
2,6-Dinitrotoluene
Concen: 7.848 ng
RT: 10.045 min Scan# 1268
Delta R.T. 0.209 min
Lab File: BF132637.D
Acq: 03 Mar 2023 19:42

Tgt Ion:165 Resp: 30189
Ion Ratio Lower Upper
165 100
63 1.1 47.3 70.9#
89 0.8 48.9 73.3#

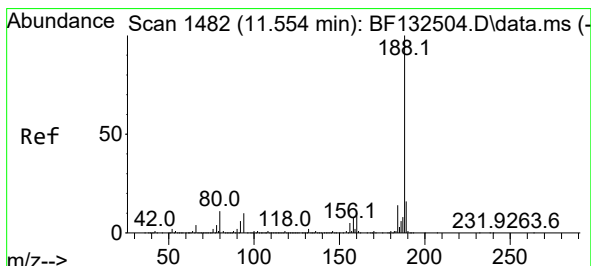
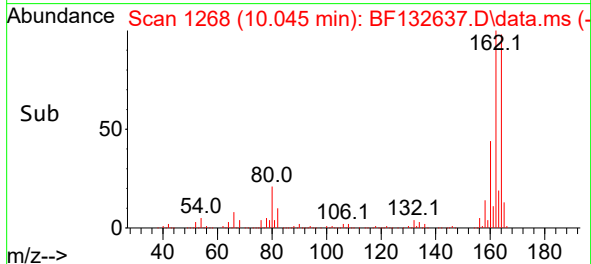
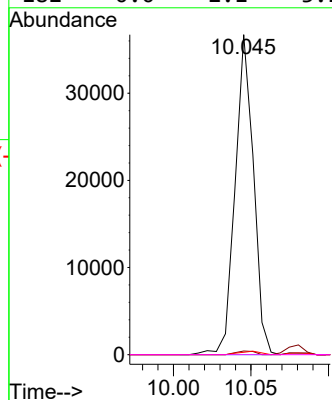
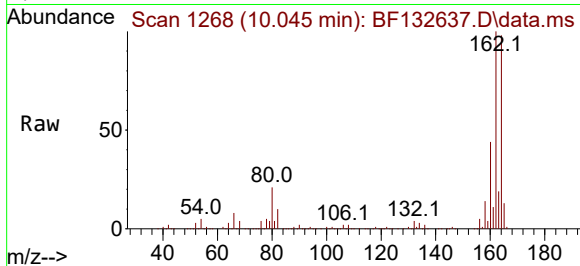




#57
2,4-Dinitrotoluene
Concen: 5.899 ng
RT: 10.045 min Scan# 11
Delta R.T. -0.197 min
Lab File: BF132637.D
Acq: 03 Mar 2023 19:42

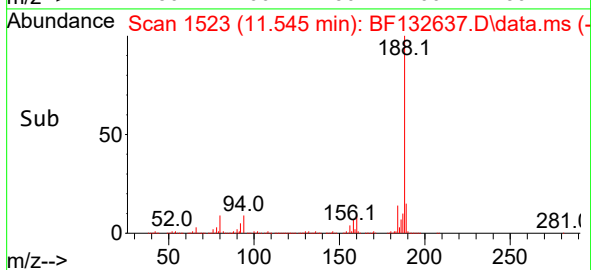
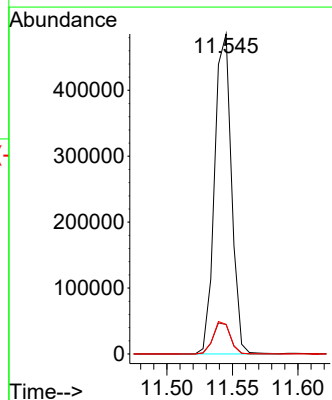
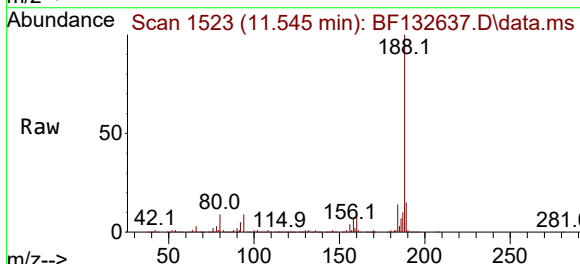
Instrument :
BNA_F
ClientSampleId :
CE-63-030123DL

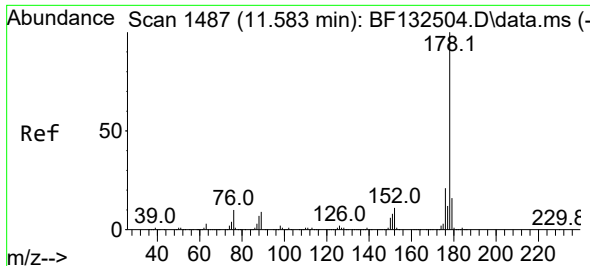
Tgt Ion:165 Resp: 30189
Ion Ratio Lower Upper
165 100
63 1.1 36.5 54.7#
89 0.8 62.4 93.6#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.545 min Scan# 1523
Delta R.T. -0.003 min
Lab File: BF132637.D
Acq: 03 Mar 2023 19:42

Tgt Ion:188 Resp: 434731
Ion Ratio Lower Upper
188 100
94 9.2 8.3 12.5
80 9.3 8.7 13.1

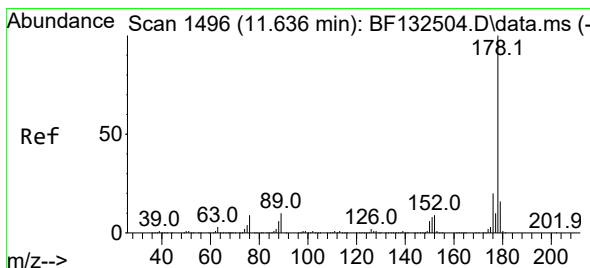
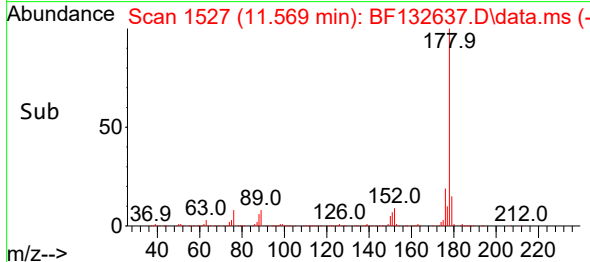
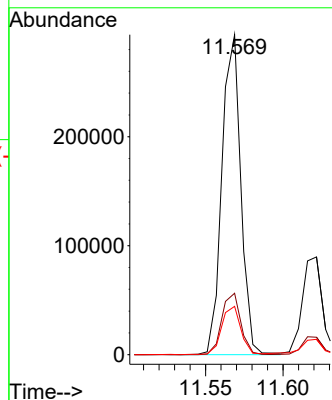
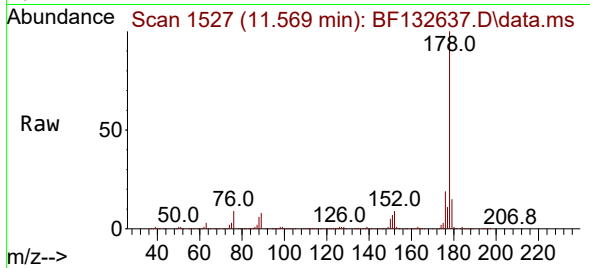




#71
Phenanthrene
Concen: 11.061 ng
RT: 11.569 min Scan# 11
Delta R.T. -0.009 min
Lab File: BF132637.D
Acq: 03 Mar 2023 19:42

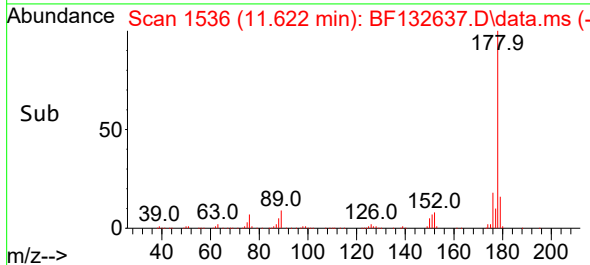
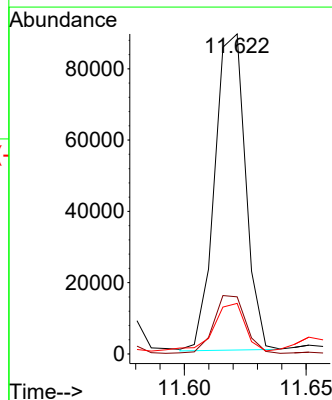
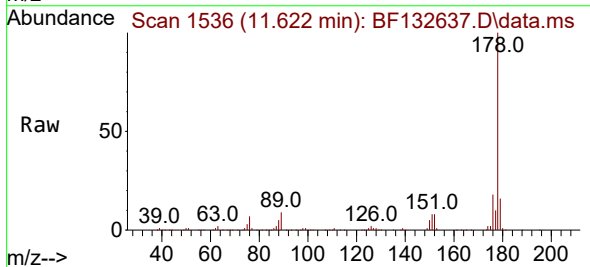
Instrument :
BNA_F
ClientSampleId :
CE-63-030123DL

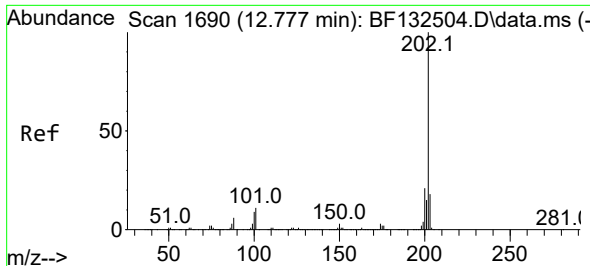
Tgt Ion:178 Resp: 249097
Ion Ratio Lower Upper
178 100
176 19.2 16.5 24.7
179 15.1 13.0 19.6



#72
Anthracene
Concen: 3.373 ng
RT: 11.622 min Scan# 1536
Delta R.T. -0.009 min
Lab File: BF132637.D
Acq: 03 Mar 2023 19:42

Tgt Ion:178 Resp: 78234
Ion Ratio Lower Upper
178 100
176 17.9 15.6 23.4
179 15.8 12.5 18.7

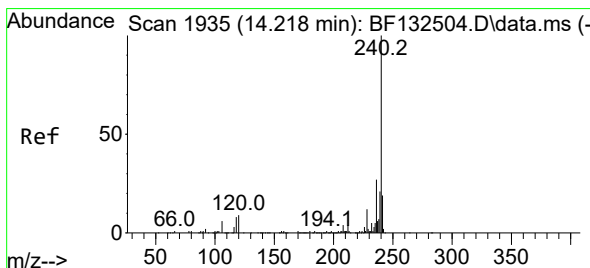
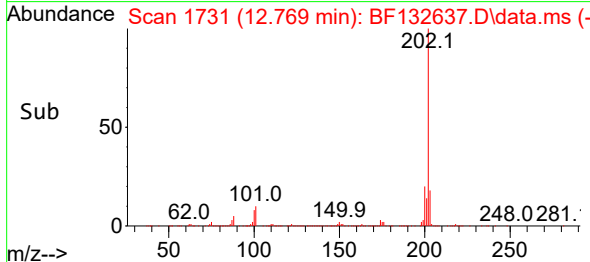
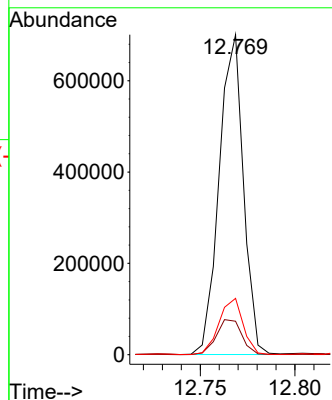
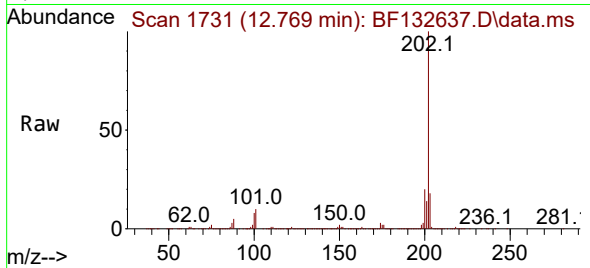




#75
Fluoranthene
Concen: 25.311 ng
RT: 12.769 min Scan# 11
Delta R.T. -0.003 min
Lab File: BF132637.D
Acq: 03 Mar 2023 19:42

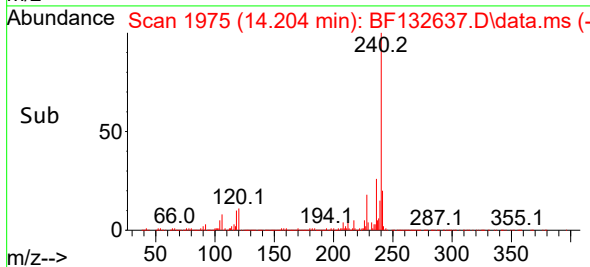
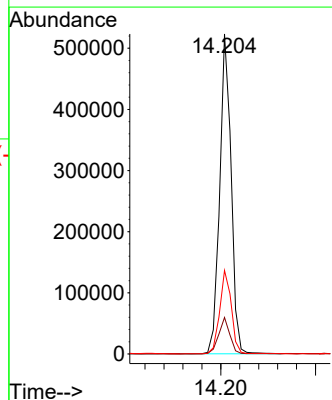
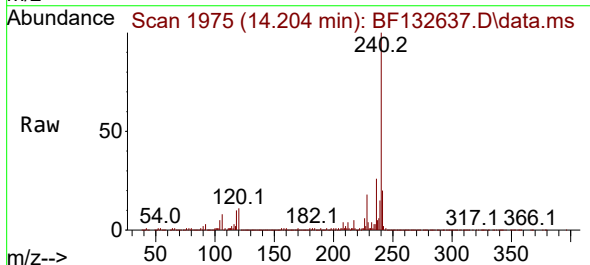
Instrument :
BNA_F
ClientSampleId :
CE-63-030123DL

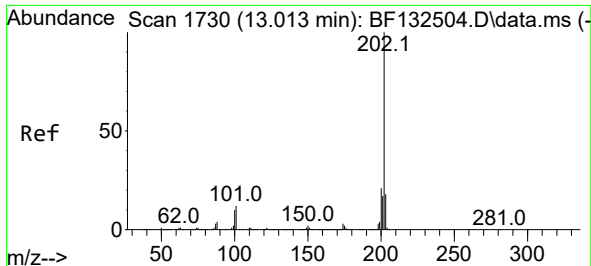
Tgt Ion:202 Resp: 623172
Ion Ratio Lower Upper
202 100
101 10.5 0.0 31.4
203 17.6 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.204 min Scan# 1975
Delta R.T. -0.003 min
Lab File: BF132637.D
Acq: 03 Mar 2023 19:42

Tgt Ion:240 Resp: 438614
Ion Ratio Lower Upper
240 100
120 11.4 7.2 10.8#
236 26.1 21.8 32.6

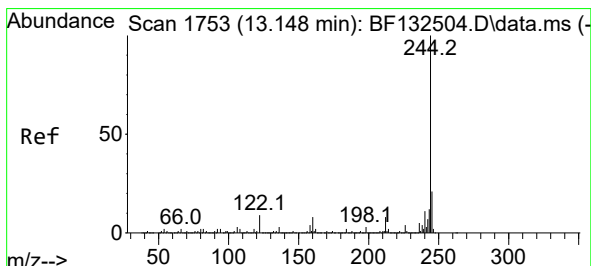
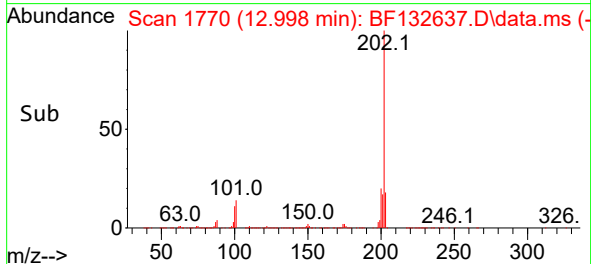
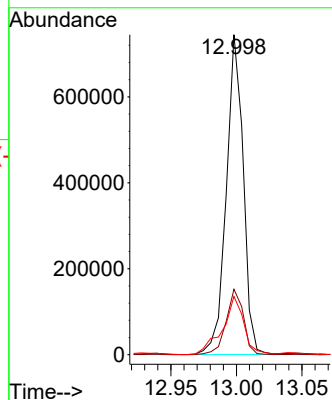
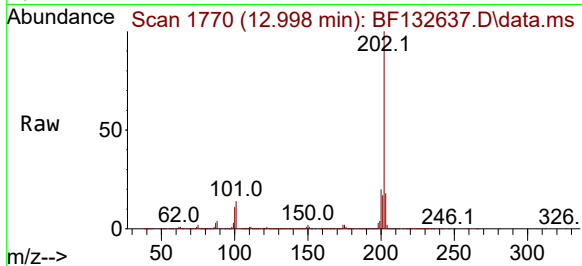




#78
 Pyrene
 Concen: 16.754 ng
 RT: 12.998 min Scan# 1770
 Delta R.T. -0.003 min
 Lab File: BF132637.D
 Acq: 03 Mar 2023 19:42

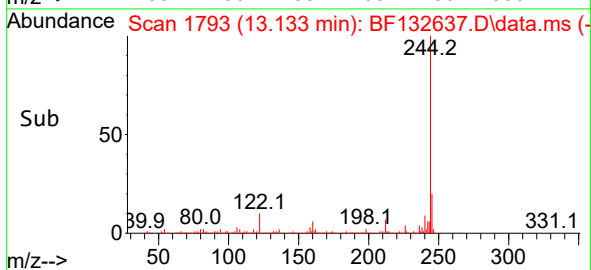
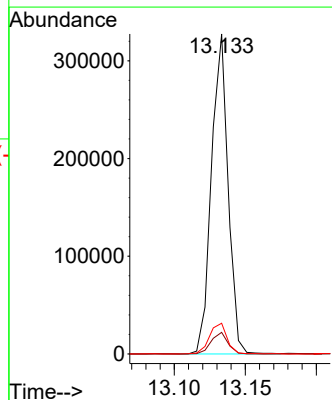
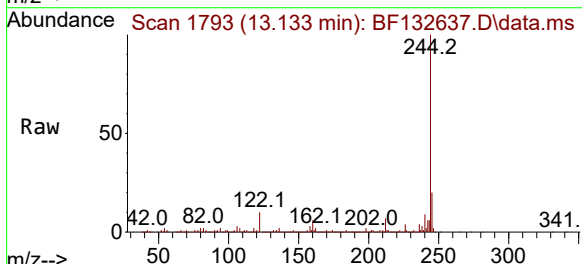
Instrument :
 BNA_F
 ClientSampleId :
 CE-63-030123DL

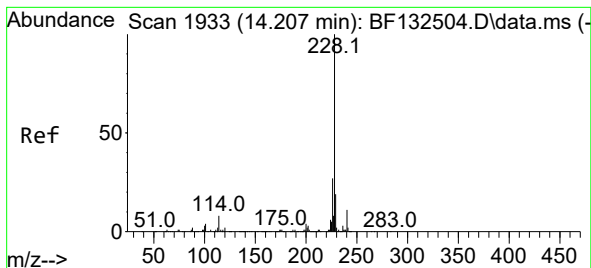
Tgt Ion:202 Resp: 668098
 Ion Ratio Lower Upper
 202 100
 200 20.4 17.1 25.7
 203 18.2 14.6 21.8



#79
 Terphenyl-d14
 Concen: 10.321 ng
 RT: 13.133 min Scan# 1793
 Delta R.T. -0.009 min
 Lab File: BF132637.D
 Acq: 03 Mar 2023 19:42

Tgt Ion:244 Resp: 267746
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.5 9.7
 122 9.6 7.5 11.3





#81

Benzo(a)anthracene

Concen: 10.299 ng

RT: 14.192 min Scan# 1933

Delta R.T. -0.003 min

Lab File: BF132637.D

Acq: 03 Mar 2023 19:42

Instrument :

BNA_F

ClientSampleId :

CE-63-030123DL

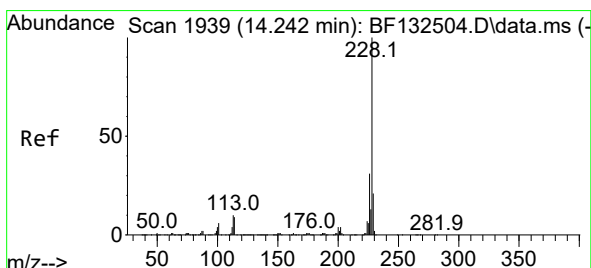
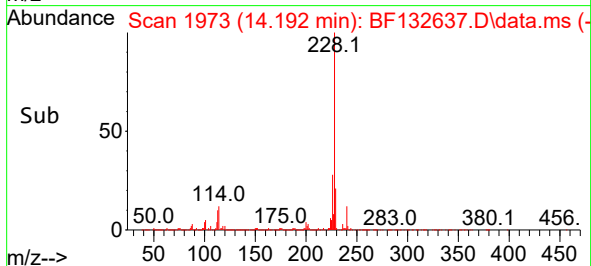
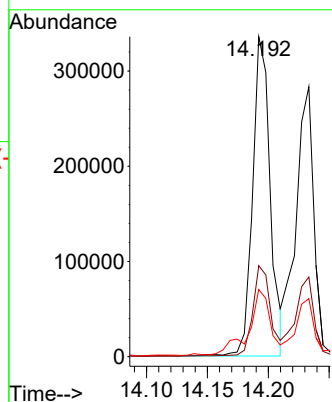
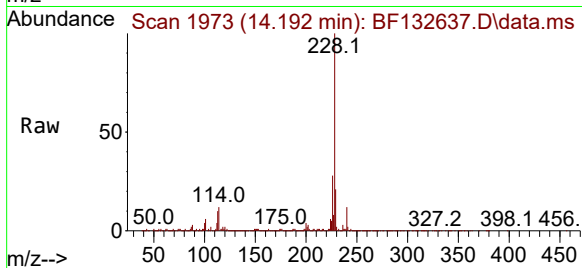
Tgt Ion:228 Resp: 338006

Ion Ratio Lower Upper

228 100

226 28.5 21.7 32.5

229 21.0 15.4 23.2



#83

Chrysene

Concen: 9.498 ng

RT: 14.233 min Scan# 1980

Delta R.T. -0.003 min

Lab File: BF132637.D

Acq: 03 Mar 2023 19:42

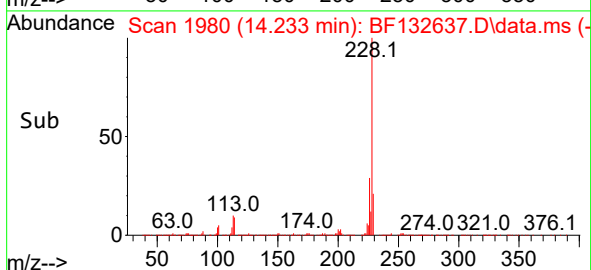
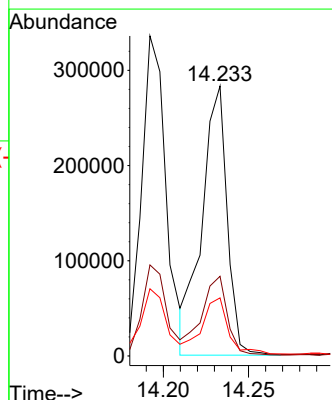
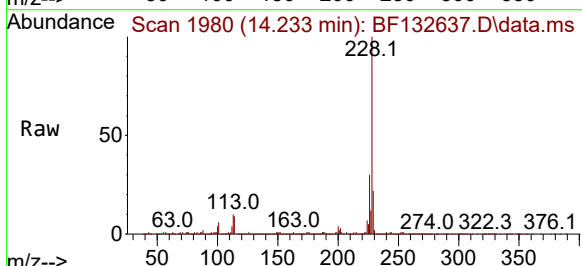
Tgt Ion:228 Resp: 291487

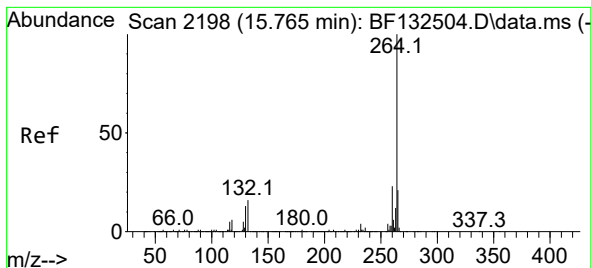
Ion Ratio Lower Upper

228 100

226 29.5 25.0 37.6

229 21.5 16.4 24.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.763 min Scan# 2198

Delta R.T. 0.009 min

Lab File: BF132637.D

Acq: 03 Mar 2023 19:42

Instrument :

BNA_F

ClientSampleId :

CE-63-030123DL

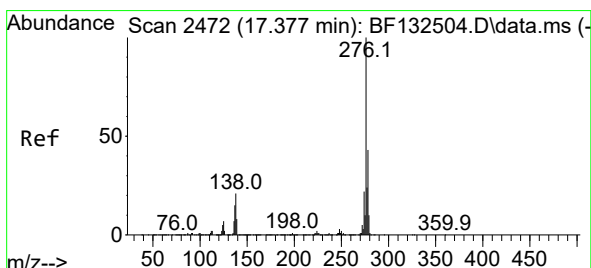
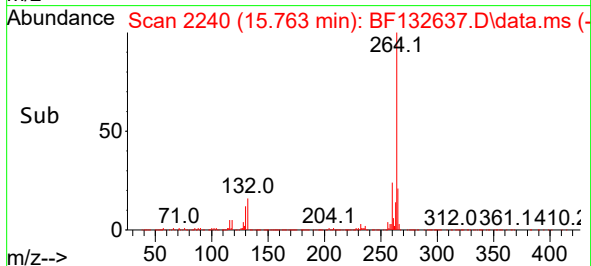
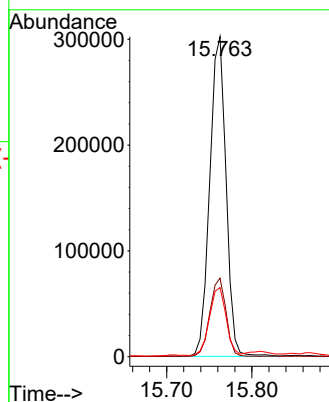
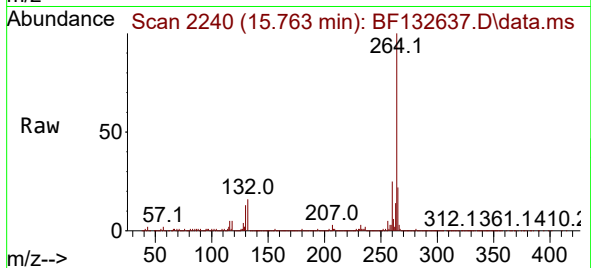
Tgt Ion:264 Resp: 400691

Ion Ratio Lower Upper

264 100

260 24.6 18.8 28.2

265 21.6 17.1 25.7



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.274 ng

RT: 17.357 min Scan# 2511

Delta R.T. -0.003 min

Lab File: BF132637.D

Acq: 03 Mar 2023 19:42

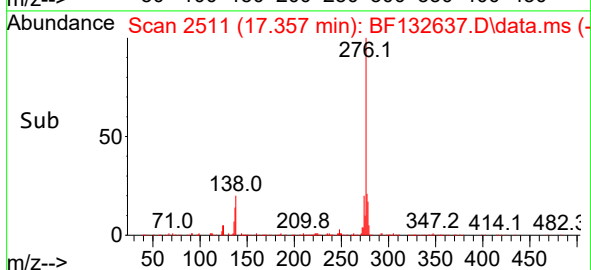
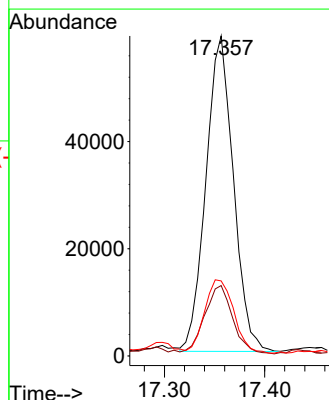
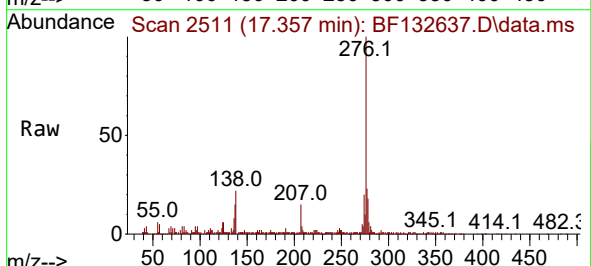
Tgt Ion:276 Resp: 112225

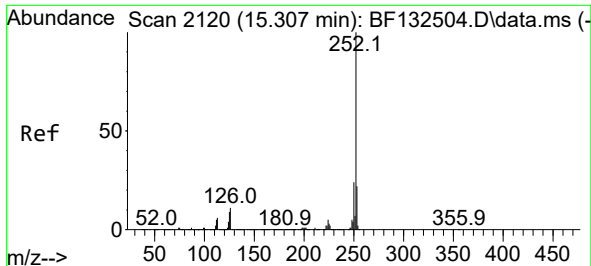
Ion Ratio Lower Upper

276 100

138 22.1 19.0 28.4

277 24.5 20.0 30.0

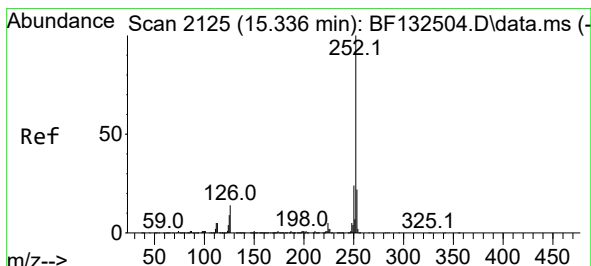
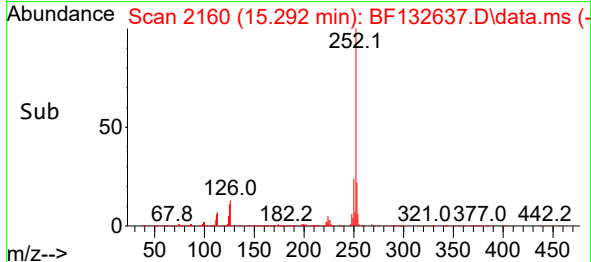
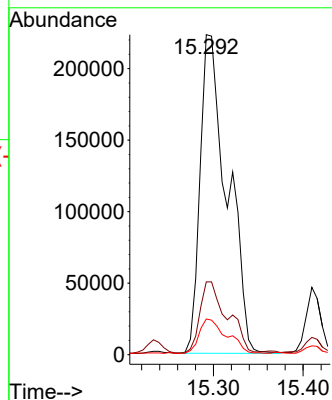
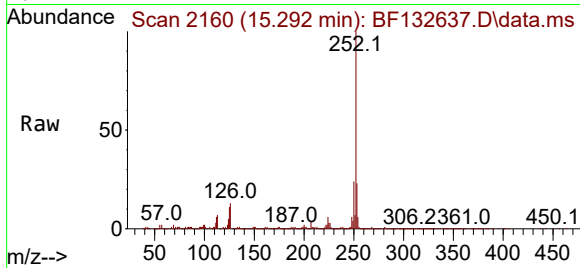




#88
Benzo(b)fluoranthene
Concen: 17.467 ng
RT: 15.292 min Scan# 2116
Delta R.T. -0.003 min
Lab File: BF132637.D
Acq: 03 Mar 2023 19:42

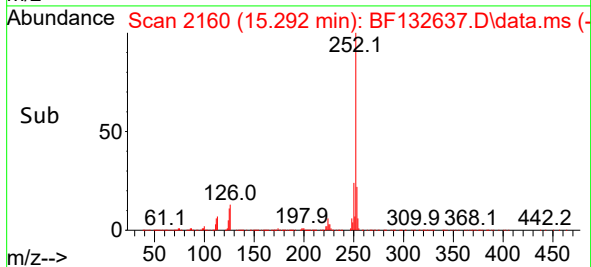
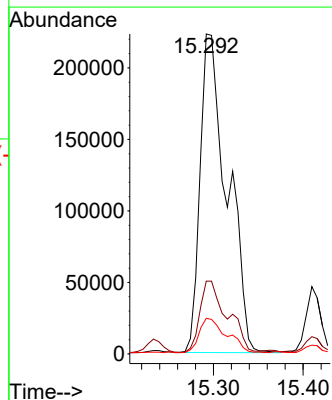
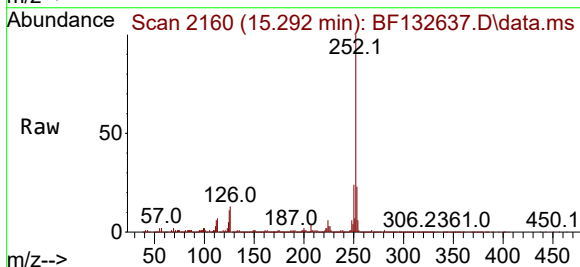
Instrument :
BNA_F
ClientSampleId :
CE-63-030123DL

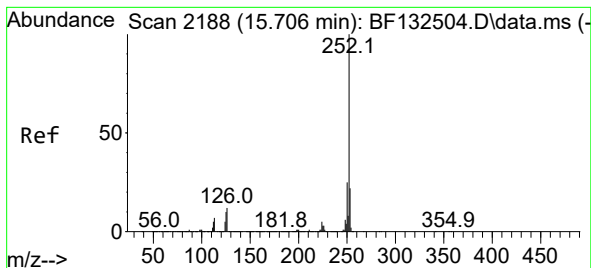
Tgt Ion:252 Resp: 469037
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.0
125 11.2 7.0 10.6#



#89
Benzo(k)fluoranthene
Concen: 17.848 ng
RT: 15.292 min Scan# 2160
Delta R.T. -0.032 min
Lab File: BF132637.D
Acq: 03 Mar 2023 19:42

Tgt Ion:252 Resp: 469037
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 11.2 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 10.512 ng

RT: 15.692 min Scan# 2188

Delta R.T. 0.003 min

Lab File: BF132637.D

Acq: 03 Mar 2023 19:42

Instrument :

BNA_F

ClientSampleId :

CE-63-030123DL

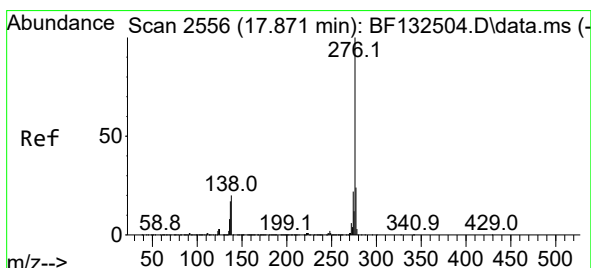
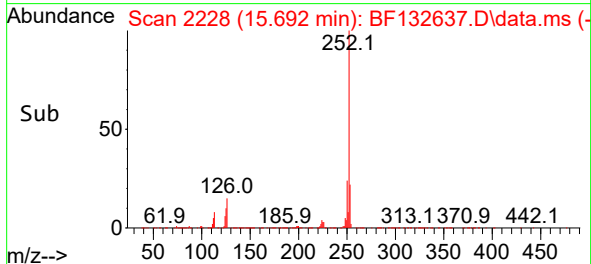
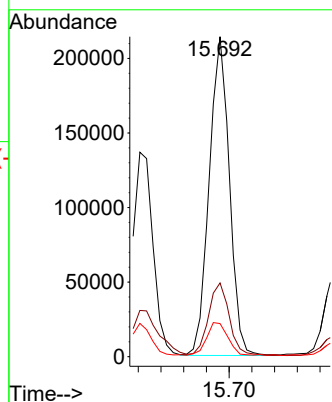
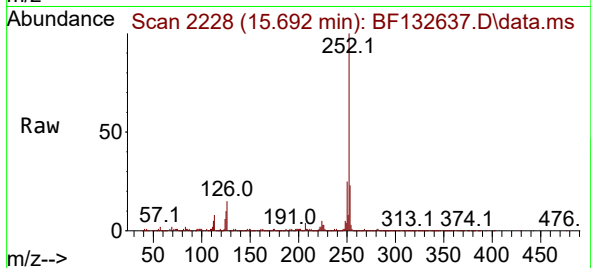
Tgt Ion:252 Resp: 264188

Ion Ratio Lower Upper

252 100

253 23.1 17.2 25.8

125 10.4 8.0 12.0



#92

Benzo(g,h,i)perylene

Concen: 5.984 ng

RT: 17.845 min Scan# 2594

Delta R.T. -0.009 min

Lab File: BF132637.D

Acq: 03 Mar 2023 19:42

Tgt Ion:276 Resp: 109319

Ion Ratio Lower Upper

276 100

277 26.8 18.9 28.3

138 21.4 16.2 24.4

