

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030323\
 Data File : BF132631.D
 Acq On : 03 Mar 2023 16:28
 Operator : CG\JU
 Sample : 01767-11
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CE-63-030123

Quant Time: Mar 04 02:18:12 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)

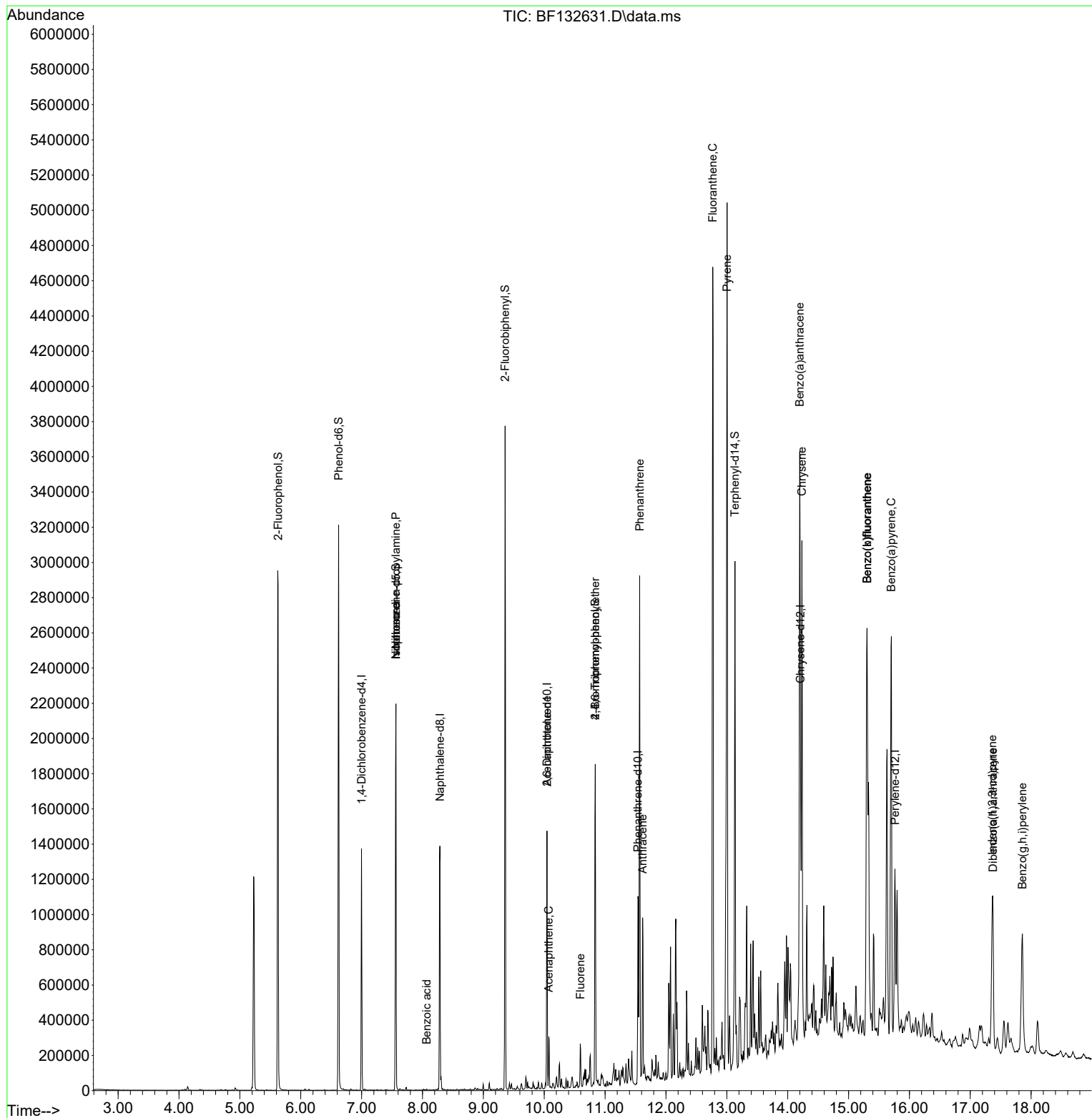
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.998	152	182348	20.000	ng	0.00
21) Naphthalene-d8	8.287	136	608685	20.000	ng	0.00
39) Acenaphthene-d10	10.045	164	274082	20.000	ng	0.00
64) Phenanthrene-d10	11.539	188	430136	20.000	ng	0.00
76) Chrysene-d12	14.210	240	374706	20.000	ng	0.00
86) Perylene-d12	15.763	264	456200	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.628	112	896560	79.797	ng	0.00
7) Phenol-d6	6.622	99	1092512	74.507	ng	-0.01
23) Nitrobenzene-d5	7.563	82	686274	53.492	ng	0.00
42) 2,4,6-Tribromophenol	10.839	330	202452	68.397	ng	0.00
45) 2-Fluorobiphenyl	9.357	172	1054775	58.598	ng	-0.01
79) Terphenyl-d14	13.133	244	979558	44.200	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.563	70	89020	9.864	ng	# 76
25) Isophorone	7.563	82	686265	27.900	ng	# 67
32) Benzoic acid	8.069	122	160	3.856	ng	# 1
51) 2,6-Dinitrotoluene	10.045	165	36218	7.969	ng	# 22
52) Acenaphthene	10.075	154	59883	3.603	ng	98
58) Fluorene	10.592	166	64628	3.487	ng	97
67) 4-Bromophenyl-phenylether	10.839	248	13149	2.702	ng	# 1
71) Phenanthrene	11.569	178	1023027	45.910	ng	99
72) Anthracene	11.616	178	355558	15.495	ng	99
75) Fluoranthene	12.769	202	2112257	86.710	ng	99
78) Pyrene	13.004	202	2250952	66.074	ng	99
81) Benzo(a)anthracene	14.198	228	1362597	48.601	ng	96
83) Chrysene	14.233	228	1080563	41.215	ng	97
87) Indeno(1,2,3-cd)pyrene	17.362	276	640539	21.428	ng	96
88) Benzo(b)fluoranthene	15.304	252	2186689	71.525	ng	98
89) Benzo(k)fluoranthene	15.304	252	2186689	73.082	ng	98
90) Benzo(a)pyrene	15.704	252	1314418	45.938	ng	97
91) Dibenzo(a,h)anthracene	17.374	278	158336	6.501	ng	95
92) Benzo(g,h,i)perylene	17.857	276	616372	23.255	ng	98

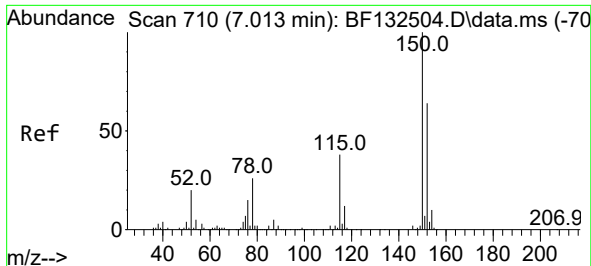
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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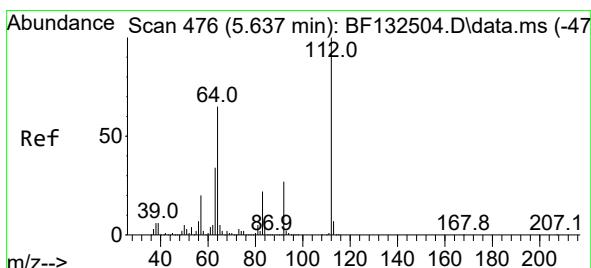
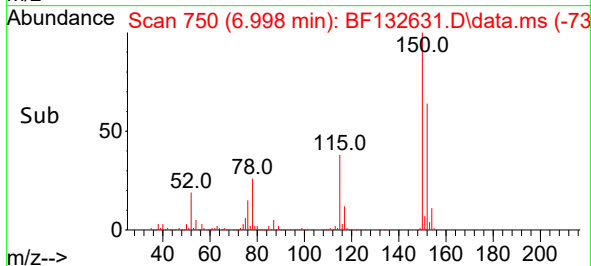
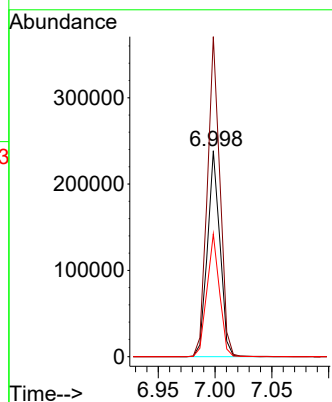
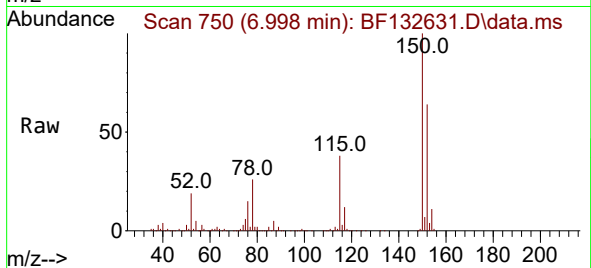




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.998 min Scan# 710
Delta R.T. -0.009 min
Lab File: BF132631.D
Acq: 03 Mar 2023 16:28

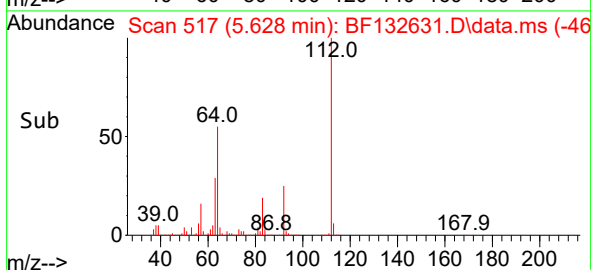
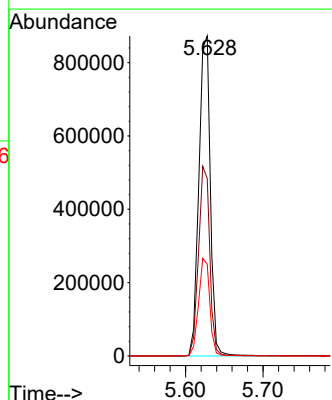
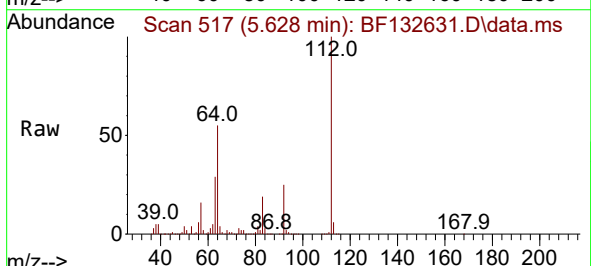
Instrument :
BNA_F
ClientSampleId :
CE-63-030123

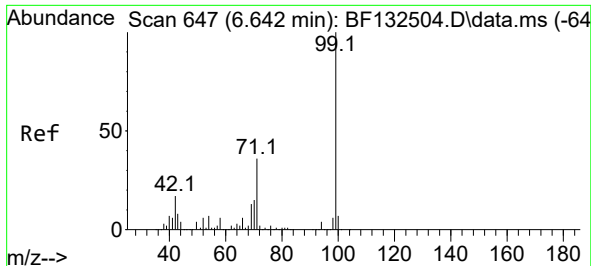
Tgt Ion:152 Resp: 182348
Ion Ratio Lower Upper
152 100
150 155.3 125.4 188.2
115 59.6 47.8 71.6



#5
2-Fluorophenol
Concen: 79.797 ng
RT: 5.628 min Scan# 517
Delta R.T. -0.003 min
Lab File: BF132631.D
Acq: 03 Mar 2023 16:28

Tgt Ion:112 Resp: 896560
Ion Ratio Lower Upper
112 100
64 55.5 51.6 77.4
63 28.7 27.4 41.2

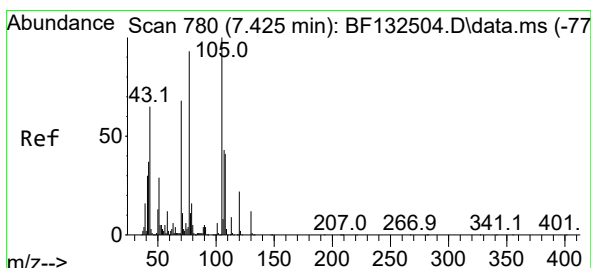
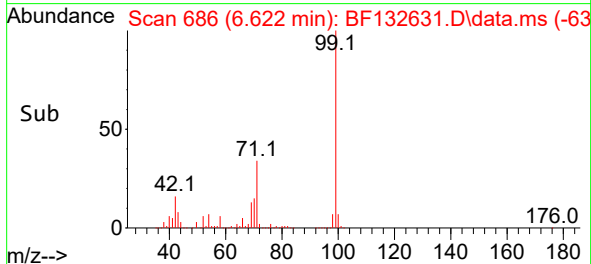
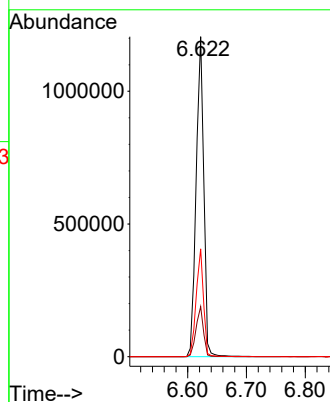
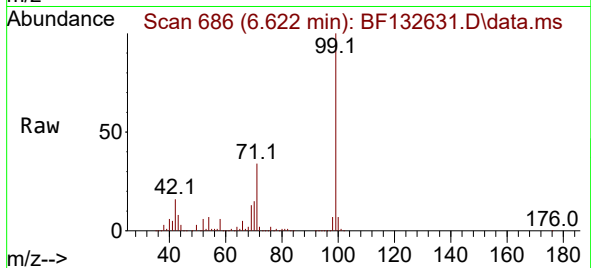




#7
Phenol-d6
Concen: 74.507 ng
RT: 6.622 min Scan# 61
Delta R.T. -0.015 min
Lab File: BF132631.D
Acq: 03 Mar 2023 16:28

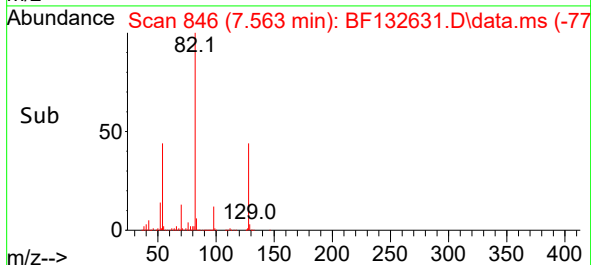
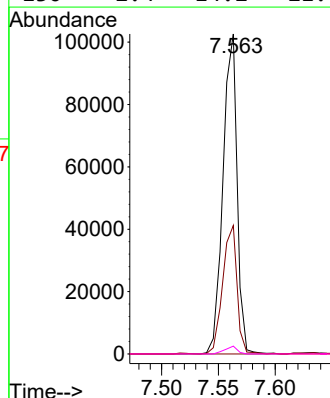
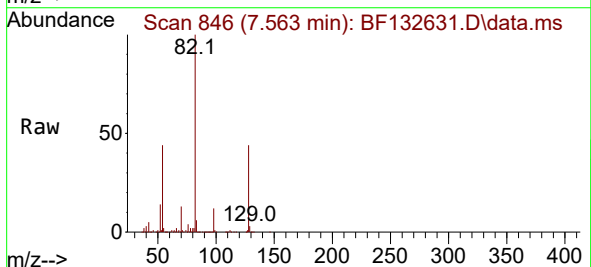
Instrument :
BNA_F
ClientSampleId :
CE-63-030123

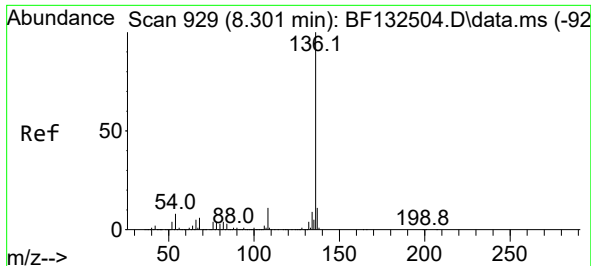
Tgt Ion: 99 Resp: 1092512
Ion Ratio Lower Upper
99 100
42 15.7 13.9 20.9
71 33.7 28.5 42.7



#19
n-Nitroso-di-n-propylamine
Concen: 9.864 ng
RT: 7.563 min Scan# 846
Delta R.T. 0.144 min
Lab File: BF132631.D
Acq: 03 Mar 2023 16:28

Tgt Ion: 70 Resp: 89020
Ion Ratio Lower Upper
70 100
42 40.2 44.1 66.1#
101 0.0 7.4 11.2#
130 2.4 14.2 21.4#

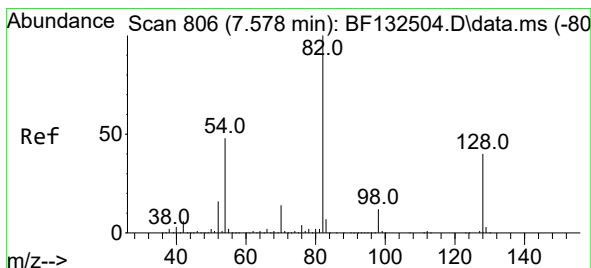
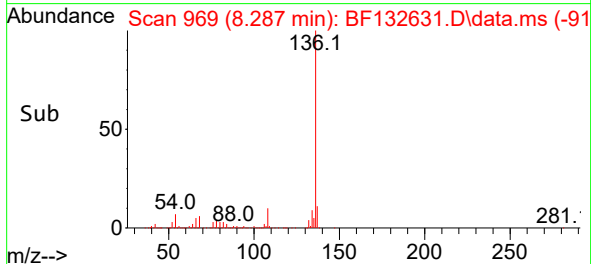
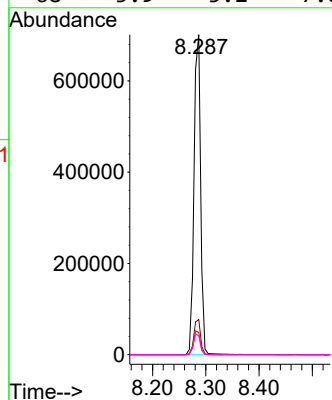
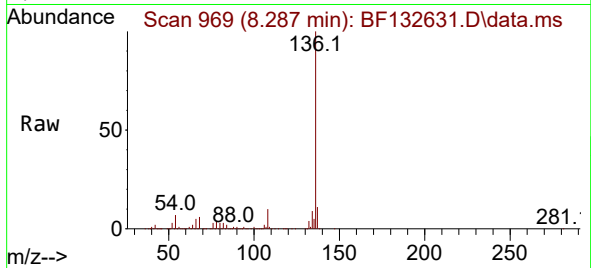




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.287 min Scan# 90
Delta R.T. -0.003 min
Lab File: BF132631.D
Acq: 03 Mar 2023 16:28

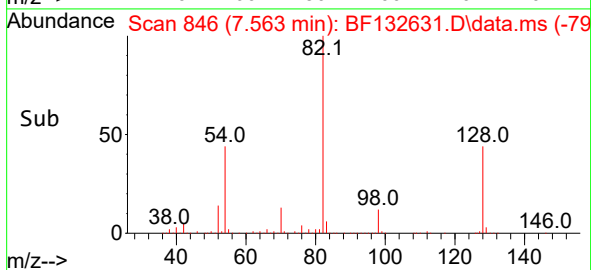
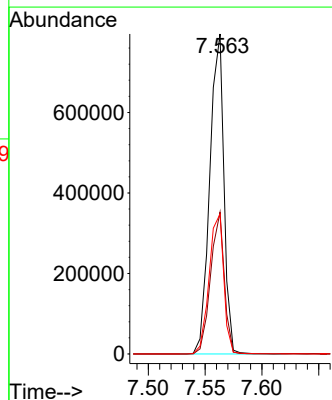
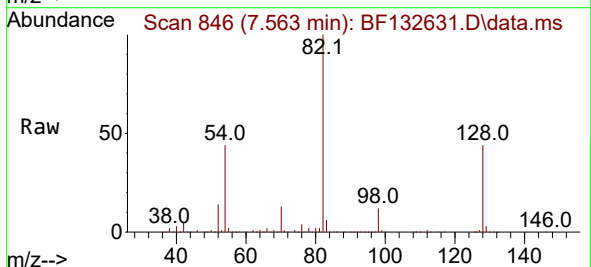
Instrument :
BNA_F
ClientSampleId :
CE-63-030123

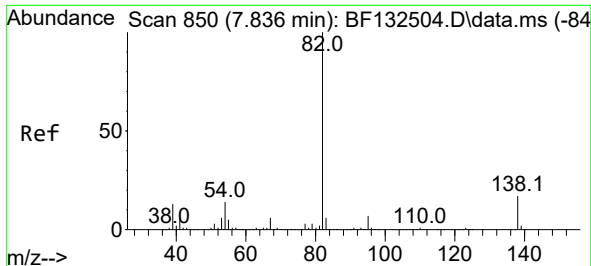
Tgt Ion:136 Resp: 608685
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 6.9 6.2 9.4
68 5.9 5.2 7.8



#23
Nitrobenzene-d5
Concen: 53.492 ng
RT: 7.563 min Scan# 846
Delta R.T. -0.009 min
Lab File: BF132631.D
Acq: 03 Mar 2023 16:28

Tgt Ion: 82 Resp: 686274
Ion Ratio Lower Upper
82 100
128 44.3 32.2 48.2
54 43.8 38.4 57.6

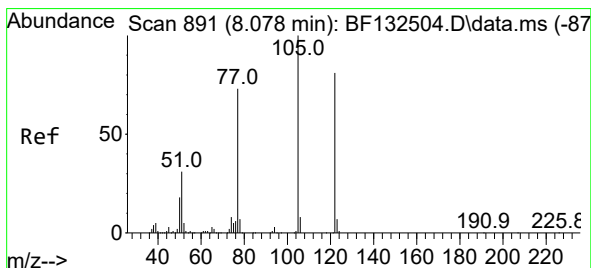
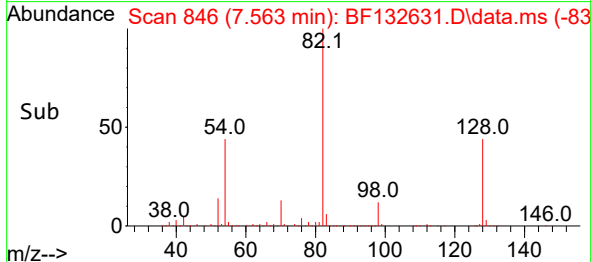
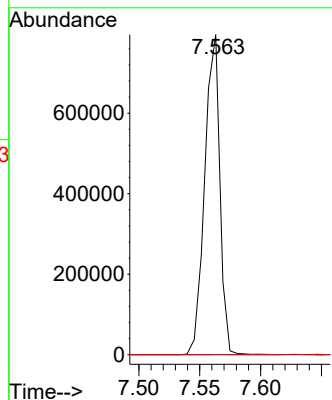
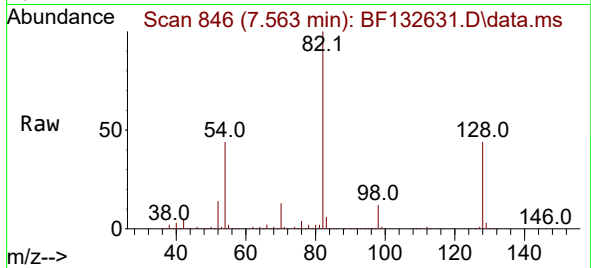




#25
Isophorone
Concen: 27.900 ng
RT: 7.563 min Scan# 84
Delta R.T. -0.262 min
Lab File: BF132631.D
Acq: 03 Mar 2023 16:28

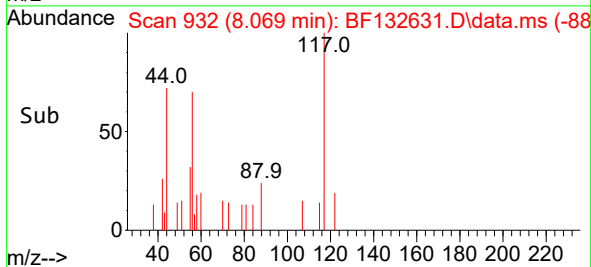
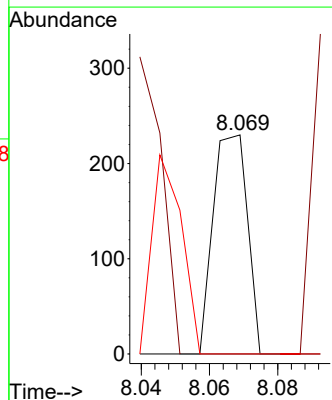
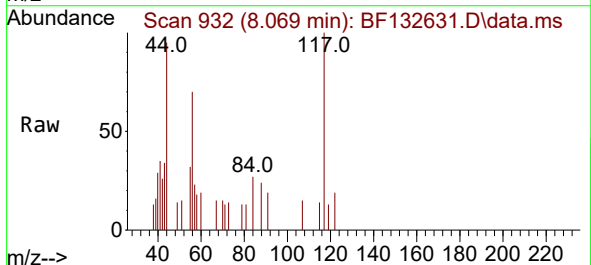
Instrument :
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ClientSampleId :
CE-63-030123

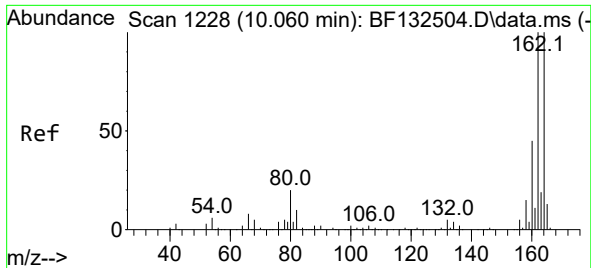
Tgt Ion: 82 Resp: 686265
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.3 19.9#



#32
Benzoic acid
Concen: 3.856 ng
RT: 8.069 min Scan# 932
Delta R.T. 0.003 min
Lab File: BF132631.D
Acq: 03 Mar 2023 16:28

Tgt Ion: 122 Resp: 160
Ion Ratio Lower Upper
122 100
105 0.0 102.6 142.6#
77 0.0 70.2 110.2#

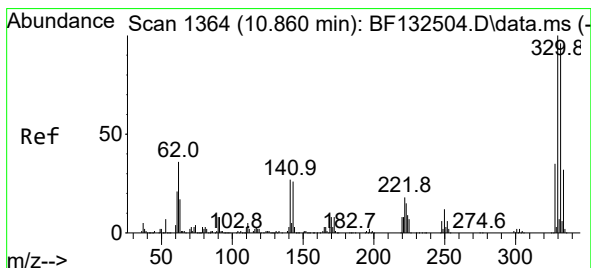
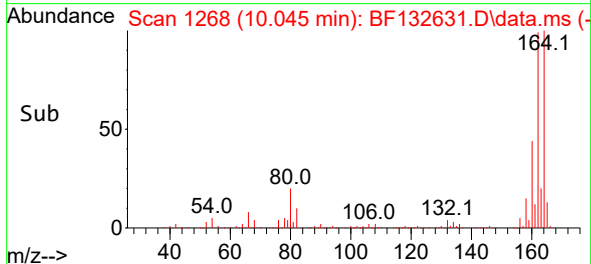
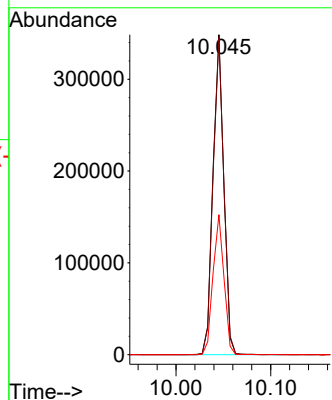
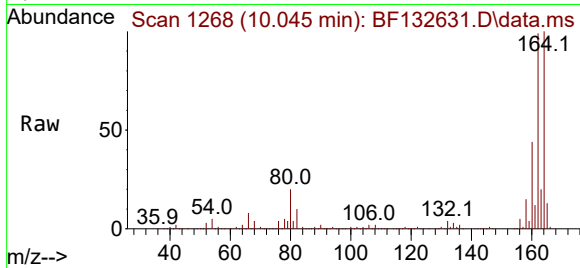




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.045 min Scan# 11
Delta R.T. -0.009 min
Lab File: BF132631.D
Acq: 03 Mar 2023 16:28

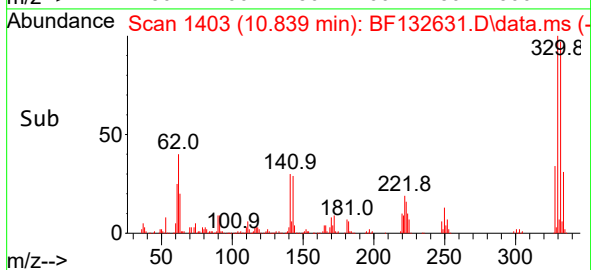
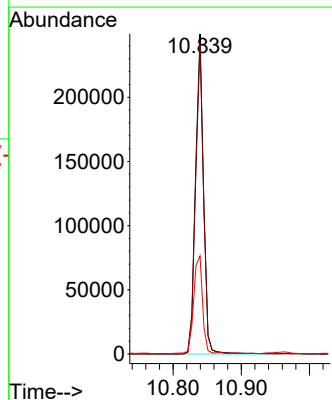
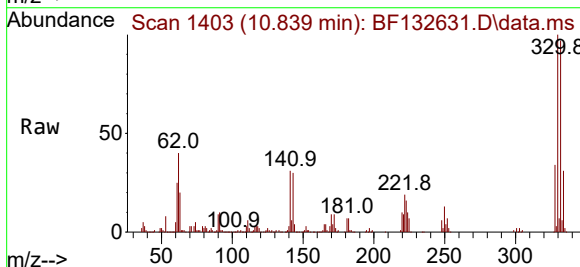
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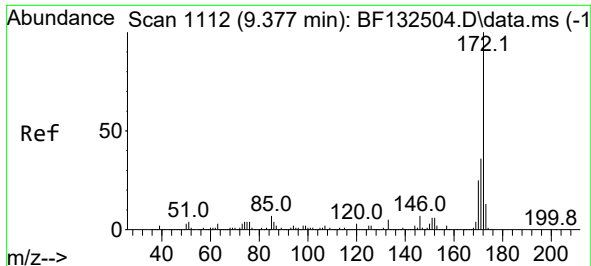
Tgt Ion:164 Resp: 274082
Ion Ratio Lower Upper
164 100
162 99.1 79.8 119.8
160 43.7 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 68.397 ng
RT: 10.839 min Scan# 1403
Delta R.T. -0.009 min
Lab File: BF132631.D
Acq: 03 Mar 2023 16:28

Tgt Ion:330 Resp: 202452
Ion Ratio Lower Upper
330 100
332 96.5 76.2 114.4
141 34.1 28.4 42.6

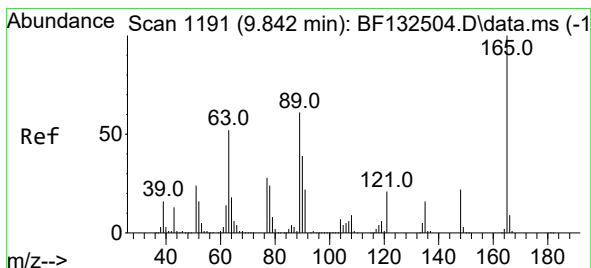
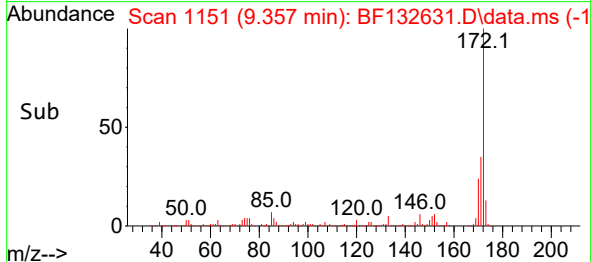
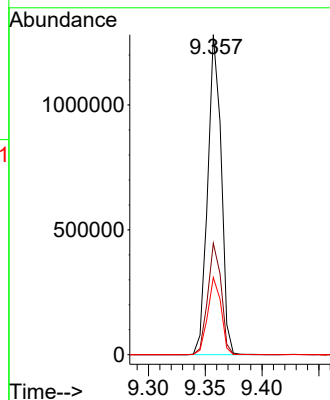
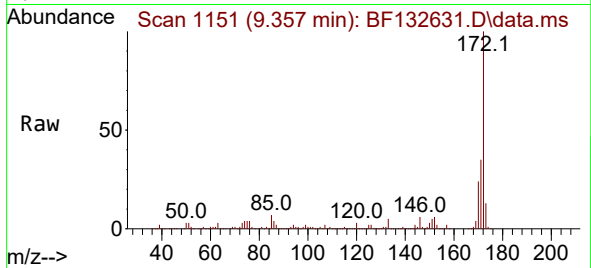




#45
2-Fluorobiphenyl
Concen: 58.598 ng
RT: 9.357 min Scan# 1112
Delta R.T. -0.015 min
Lab File: BF132631.D
Acq: 03 Mar 2023 16:28

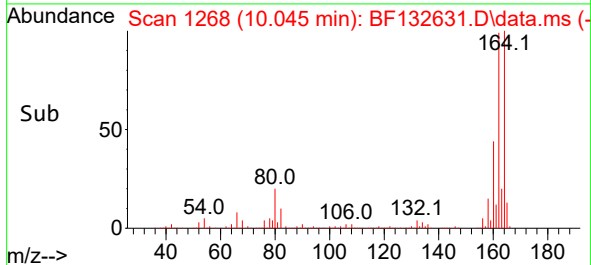
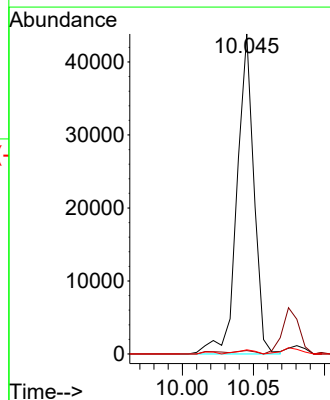
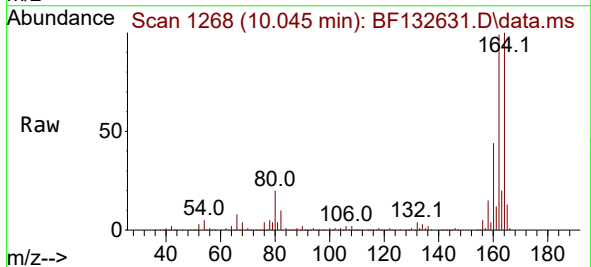
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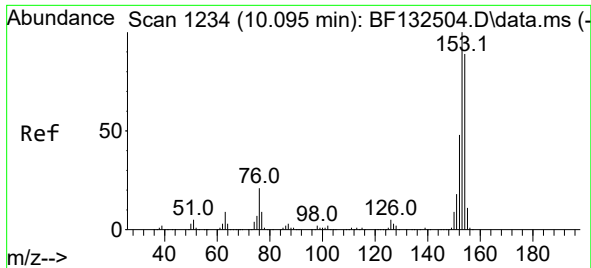
Tgt Ion:172 Resp: 1054775
Ion Ratio Lower Upper
172 100
171 34.9 28.8 43.2
170 24.1 19.7 29.5



#51
2,6-Dinitrotoluene
Concen: 7.969 ng
RT: 10.045 min Scan# 1268
Delta R.T. 0.209 min
Lab File: BF132631.D
Acq: 03 Mar 2023 16:28

Tgt Ion:165 Resp: 36218
Ion Ratio Lower Upper
165 100
63 1.0 47.3 70.9#
89 1.3 48.9 73.3#

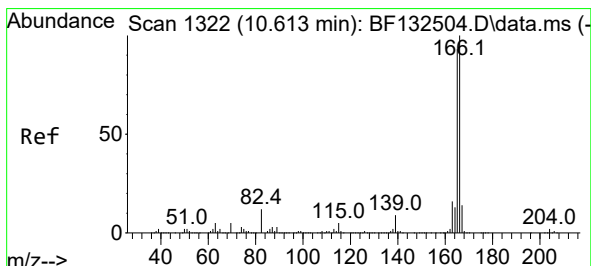
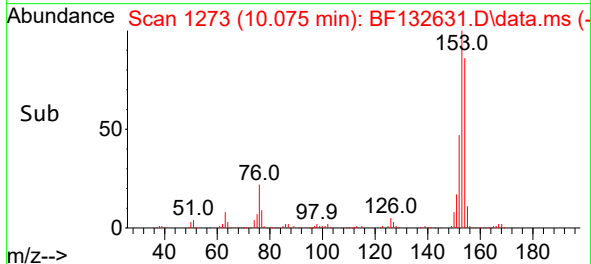
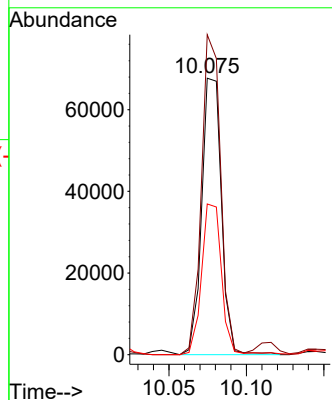
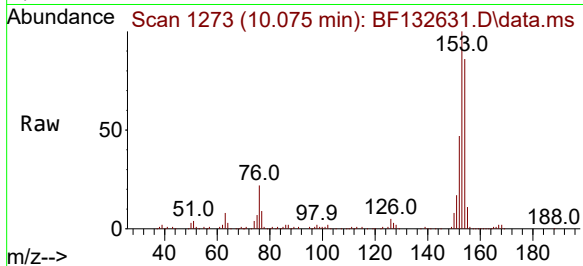




#52
Acenaphthene
Concen: 3.603 ng
RT: 10.075 min Scan# 11
Delta R.T. -0.015 min
Lab File: BF132631.D
Acq: 03 Mar 2023 16:28

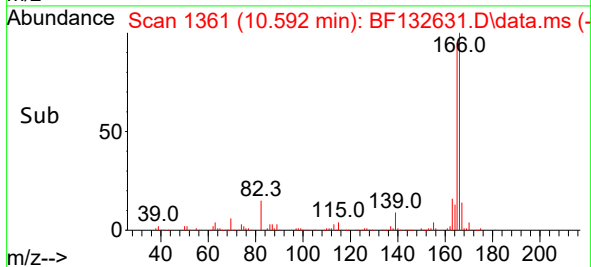
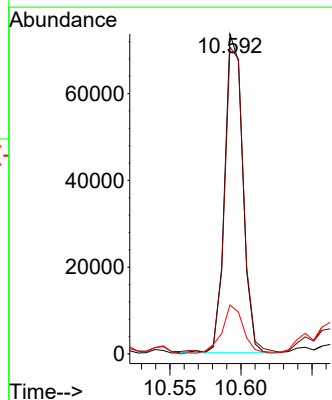
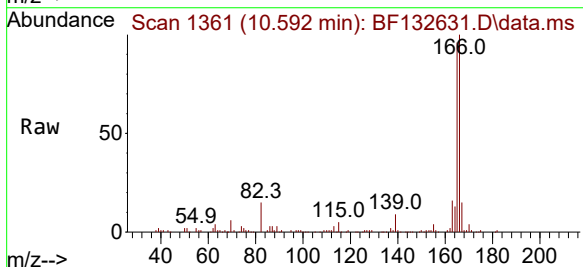
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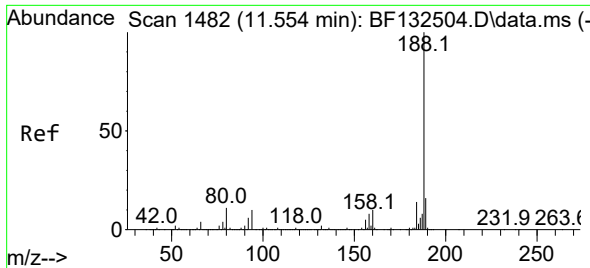
Tgt Ion:154 Resp: 59883
Ion Ratio Lower Upper
154 100
153 115.7 89.8 134.8
152 54.5 43.3 64.9



#58
Fluorene
Concen: 3.487 ng
RT: 10.592 min Scan# 1361
Delta R.T. -0.015 min
Lab File: BF132631.D
Acq: 03 Mar 2023 16:28

Tgt Ion:166 Resp: 64628
Ion Ratio Lower Upper
166 100
165 95.9 74.2 111.4
167 15.3 11.1 16.7

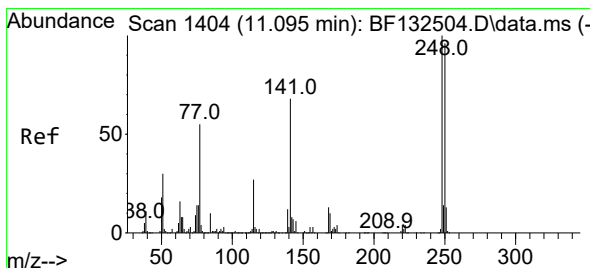
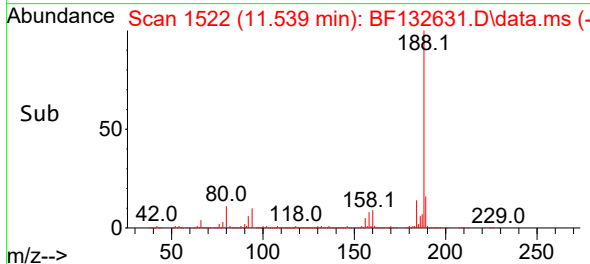
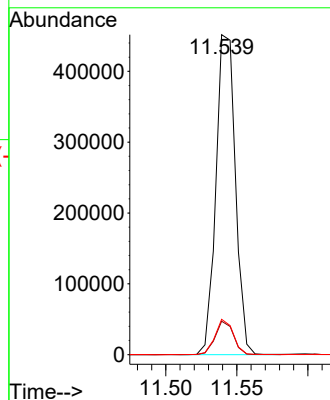
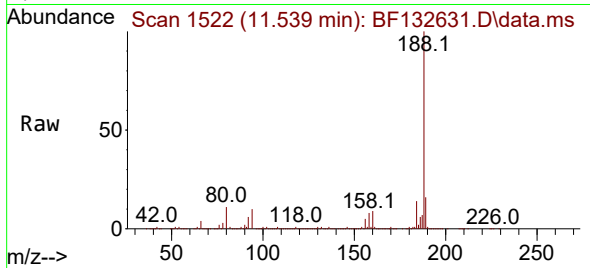




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.539 min Scan# 11
Delta R.T. -0.009 min
Lab File: BF132631.D
Acq: 03 Mar 2023 16:28

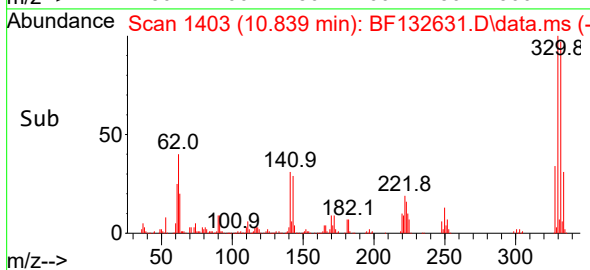
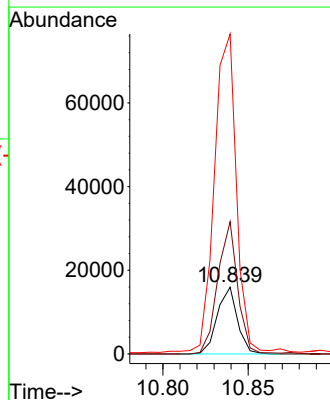
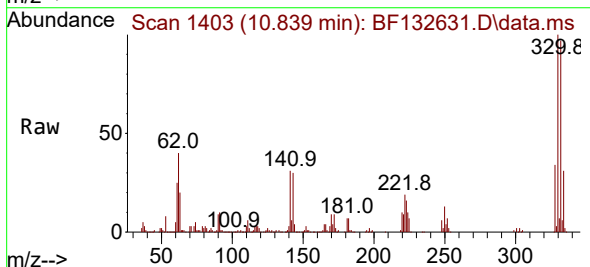
Instrument :
BNA_F
ClientSampleId :
CE-63-030123

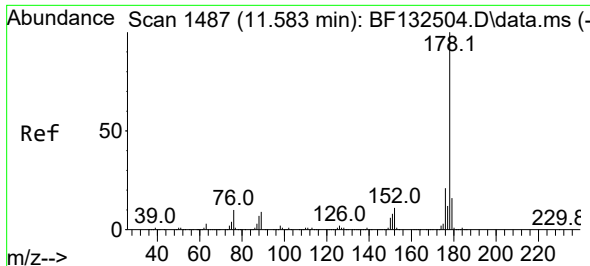
Tgt Ion:188 Resp: 430136
Ion Ratio Lower Upper
188 100
94 10.4 8.3 12.5
80 11.1 8.7 13.1



#67
4-Bromophenyl-phenylether
Concen: 2.702 ng
RT: 10.839 min Scan# 1403
Delta R.T. -0.250 min
Lab File: BF132631.D
Acq: 03 Mar 2023 16:28

Tgt Ion:248 Resp: 13149
Ion Ratio Lower Upper
248 100
250 198.1 77.0 115.4#
141 478.9 54.2 81.2#

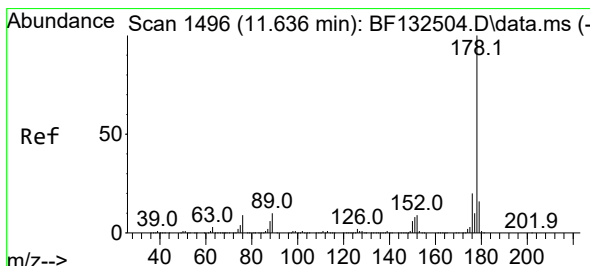
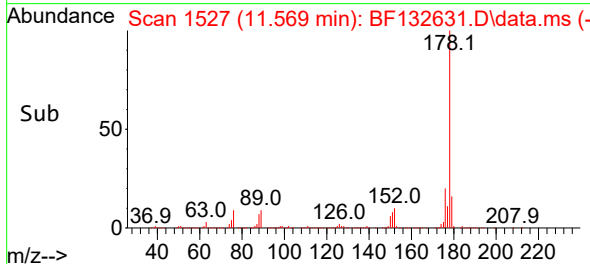
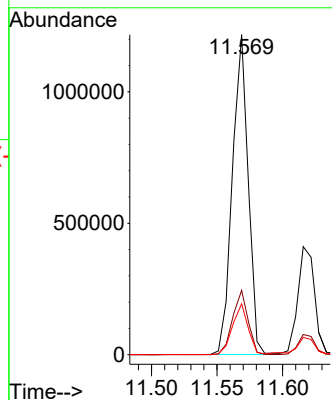
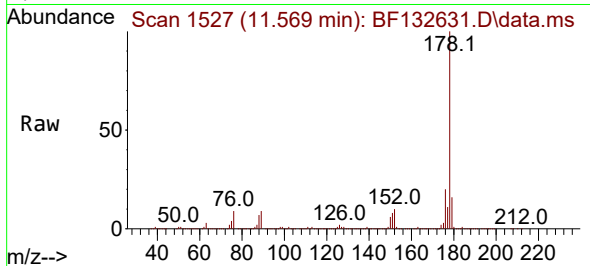




#71
Phenanthrene
Concen: 45.910 ng
RT: 11.569 min Scan# 11
Delta R.T. -0.009 min
Lab File: BF132631.D
Acq: 03 Mar 2023 16:28

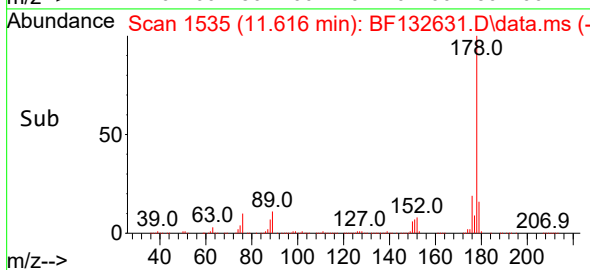
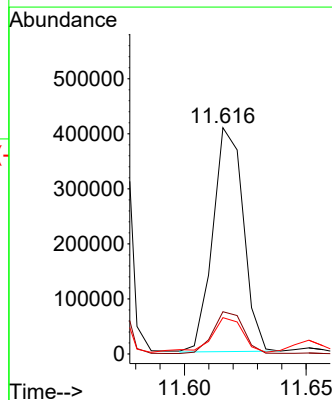
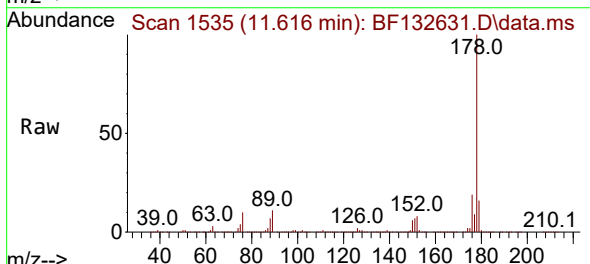
Instrument :
BNA_F
ClientSampleId :
CE-63-030123

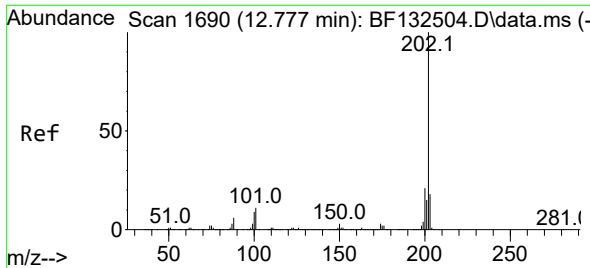
Tgt Ion:178 Resp: 1023027
Ion Ratio Lower Upper
178 100
176 20.1 16.5 24.7
179 15.9 13.0 19.6



#72
Anthracene
Concen: 15.495 ng
RT: 11.616 min Scan# 1535
Delta R.T. -0.015 min
Lab File: BF132631.D
Acq: 03 Mar 2023 16:28

Tgt Ion:178 Resp: 355558
Ion Ratio Lower Upper
178 100
176 18.7 15.6 23.4
179 16.1 12.5 18.7

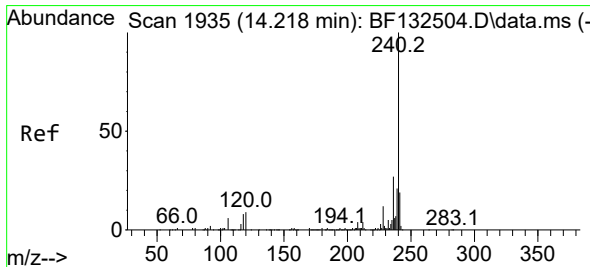
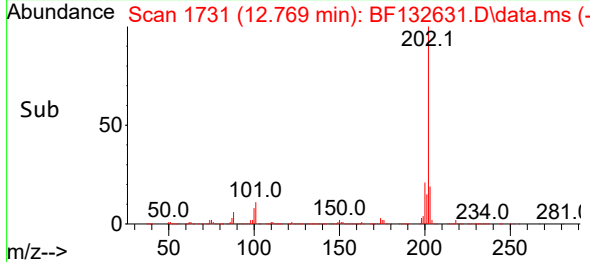
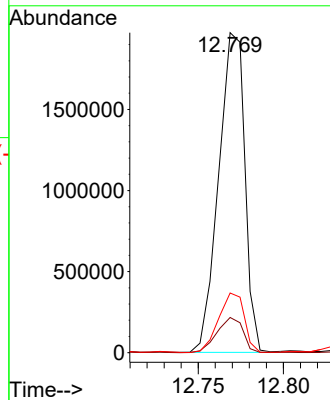
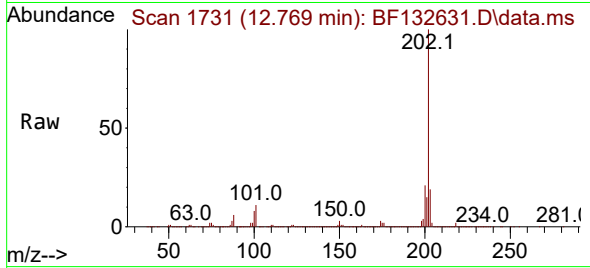




#75
Fluoranthene
Concen: 86.710 ng
RT: 12.769 min Scan# 1731
Delta R.T. -0.003 min
Lab File: BF132631.D
Acq: 03 Mar 2023 16:28

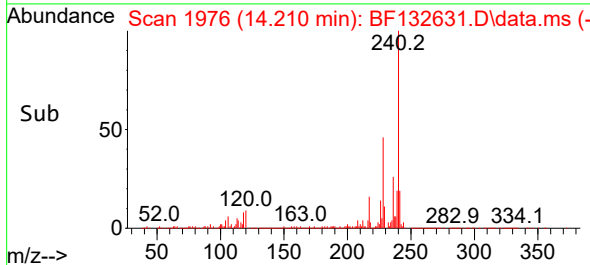
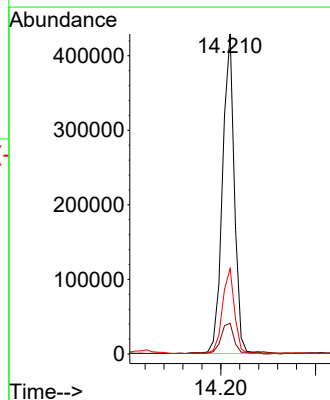
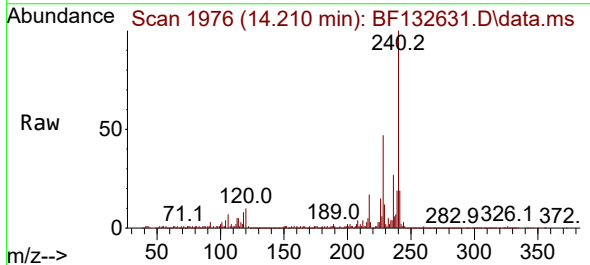
Instrument :
BNA_F
ClientSampleId :
CE-63-030123

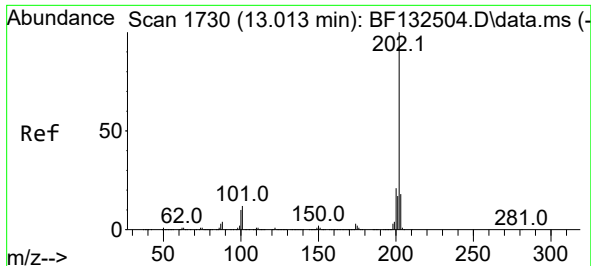
Tgt Ion:202 Resp: 2112257
Ion Ratio Lower Upper
202 100
101 11.0 0.0 31.4
203 18.6 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.210 min Scan# 1976
Delta R.T. 0.003 min
Lab File: BF132631.D
Acq: 03 Mar 2023 16:28

Tgt Ion:240 Resp: 374706
Ion Ratio Lower Upper
240 100
120 9.6 7.2 10.8
236 26.7 21.8 32.6

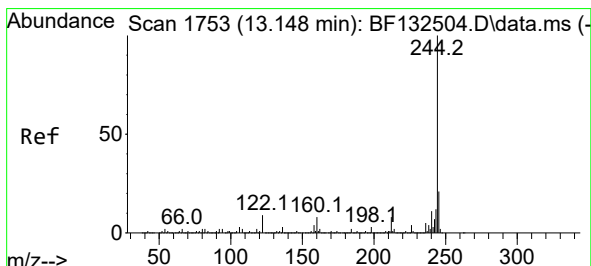
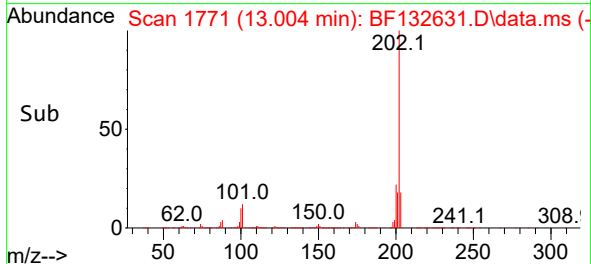
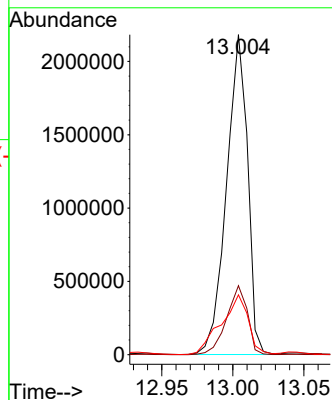
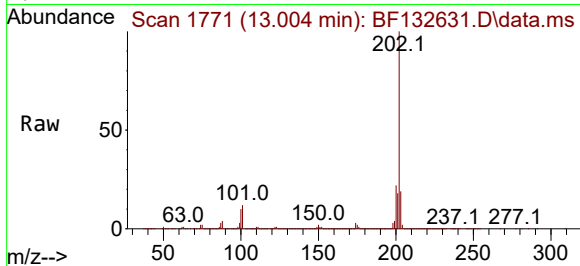




#78
Pyrene
Concen: 66.074 ng
RT: 13.004 min Scan# 1771
Delta R.T. 0.003 min
Lab File: BF132631.D
Acq: 03 Mar 2023 16:28

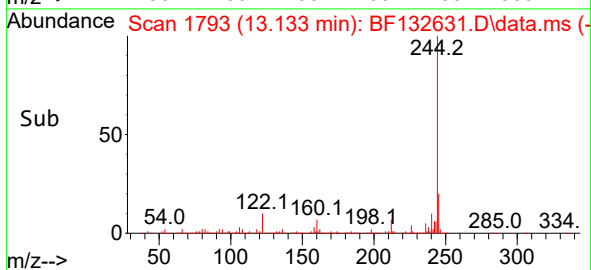
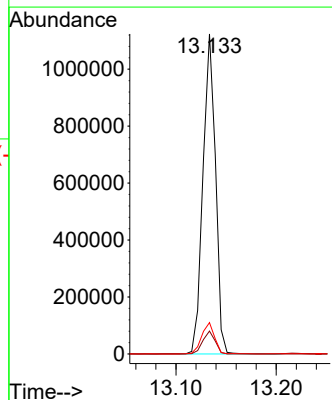
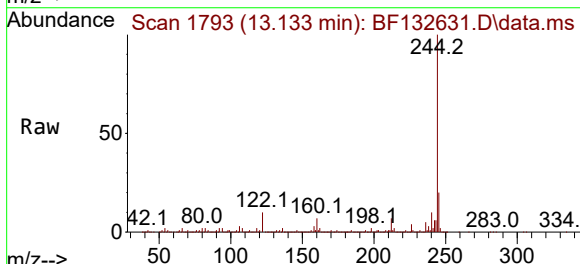
Instrument :
BNA_F
ClientSampleId :
CE-63-030123

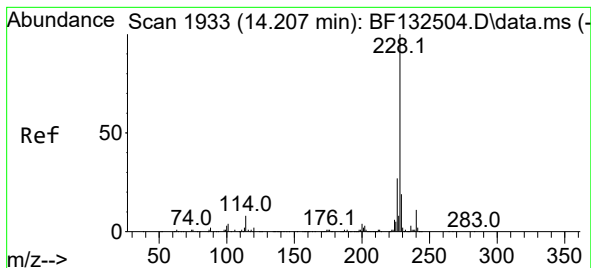
Tgt Ion:202 Resp: 2250952
Ion Ratio Lower Upper
202 100
200 21.6 17.1 25.7
203 18.7 14.6 21.8



#79
Terphenyl-d14
Concen: 44.200 ng
RT: 13.133 min Scan# 1793
Delta R.T. -0.009 min
Lab File: BF132631.D
Acq: 03 Mar 2023 16:28

Tgt Ion:244 Resp: 979558
Ion Ratio Lower Upper
244 100
212 7.1 6.5 9.7
122 9.8 7.5 11.3





#81

Benzo(a)anthracene

Concen: 48.601 ng

RT: 14.198 min Scan# 1974

Delta R.T. 0.003 min

Lab File: BF132631.D

Acq: 03 Mar 2023 16:28

Instrument :

BNA_F

ClientSampleId :

CE-63-030123

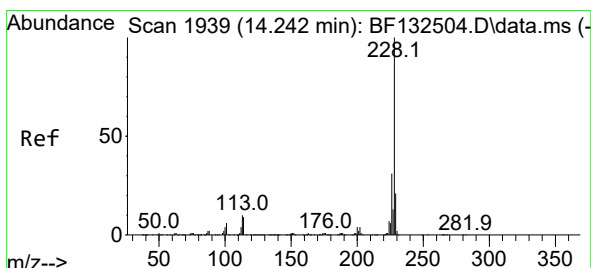
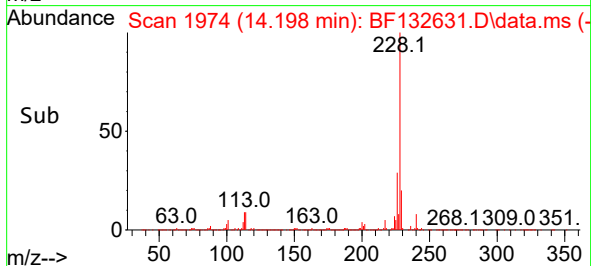
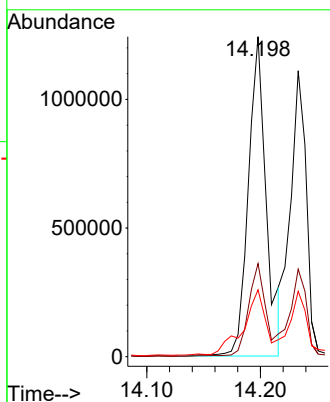
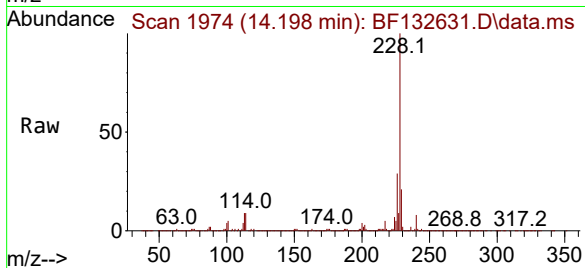
Tgt Ion:228 Resp: 1362597

Ion Ratio Lower Upper

228 100

226 29.1 21.7 32.5

229 20.9 15.4 23.2



#83

Chrysene

Concen: 41.215 ng

RT: 14.233 min Scan# 1980

Delta R.T. -0.003 min

Lab File: BF132631.D

Acq: 03 Mar 2023 16:28

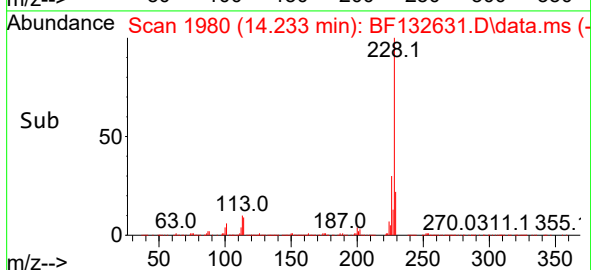
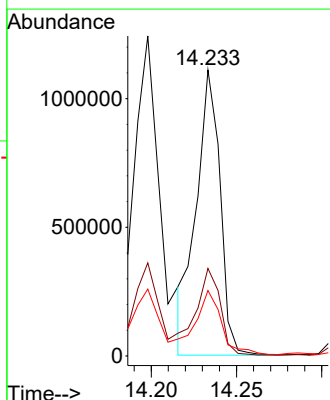
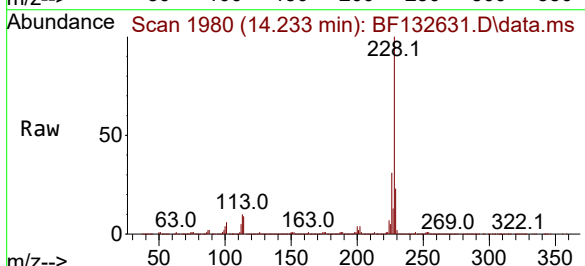
Tgt Ion:228 Resp: 1080563

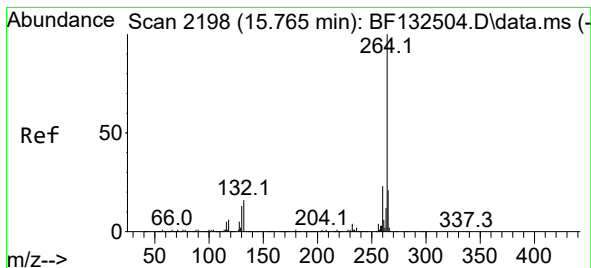
Ion Ratio Lower Upper

228 100

226 30.6 25.0 37.6

229 22.9 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: BF132631.D

Acq: 03 Mar 2023 16:28

Instrument :

BNA_F

ClientSampleId :

CE-63-030123

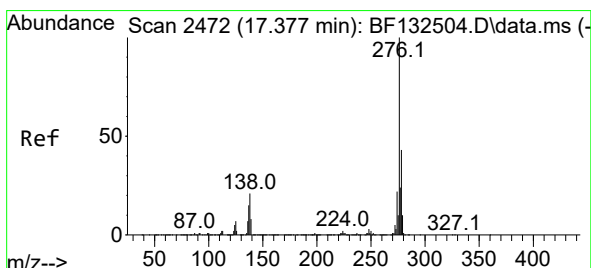
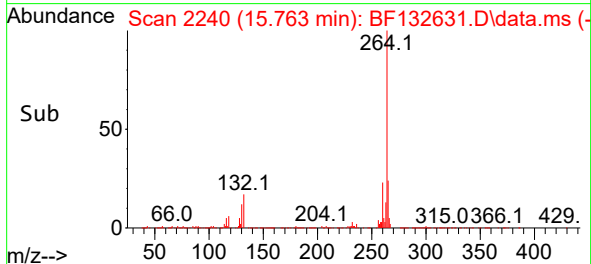
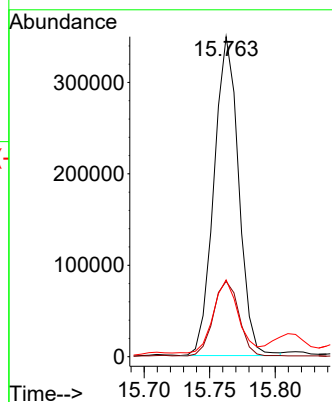
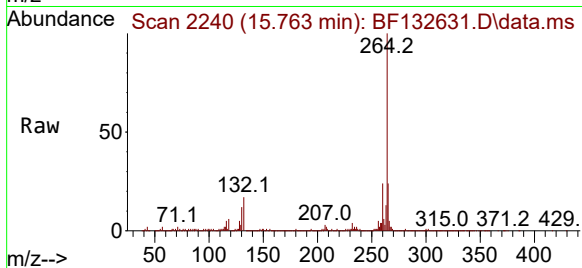
Tgt Ion:264 Resp: 456200

Ion Ratio Lower Upper

264 100

260 23.6 18.8 28.2

265 24.0 17.1 25.7



#87

Indeno(1,2,3-cd)pyrene

Concen: 21.428 ng

RT: 17.362 min Scan# 2512

Delta R.T. 0.003 min

Lab File: BF132631.D

Acq: 03 Mar 2023 16:28

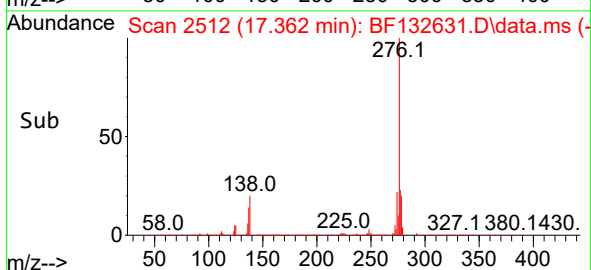
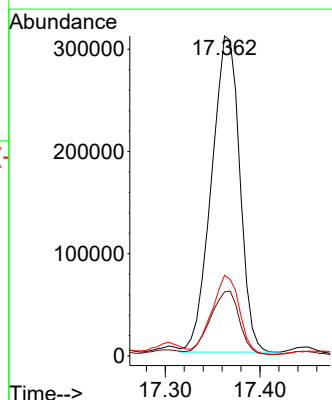
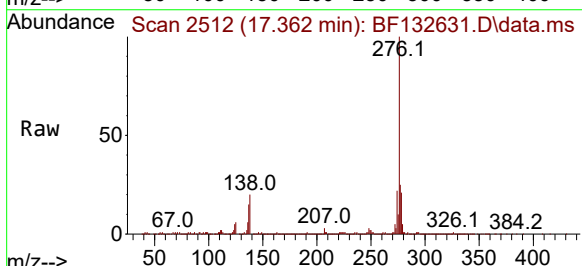
Tgt Ion:276 Resp: 640539

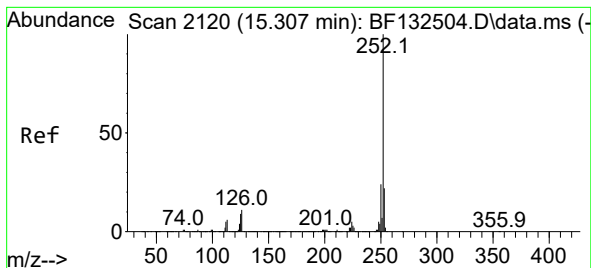
Ion Ratio Lower Upper

276 100

138 20.8 19.0 28.4

277 24.4 20.0 30.0





#88

Benzo(b)fluoranthene

Concen: 71.525 ng

RT: 15.304 min Scan# 21

Delta R.T. 0.009 min

Lab File: BF132631.D

Acq: 03 Mar 2023 16:28

Instrument :

BNA_F

ClientSampleId :

CE-63-030123

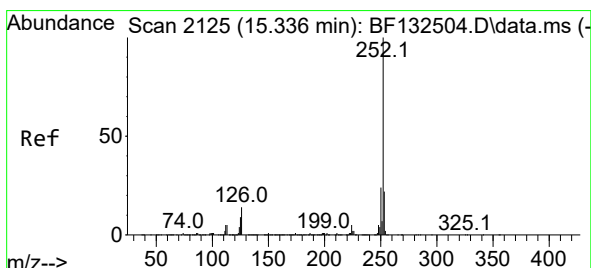
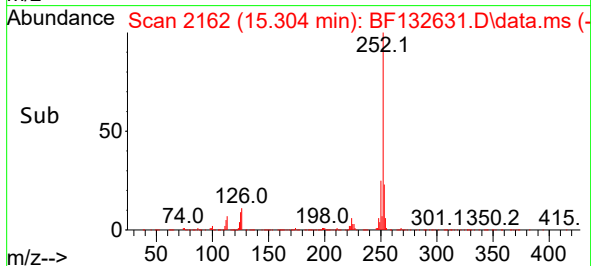
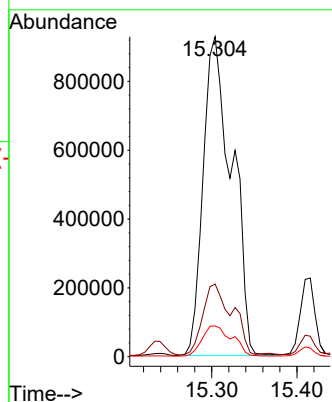
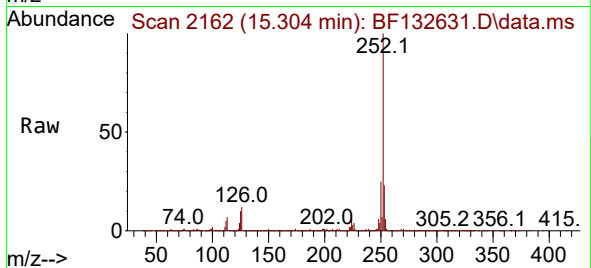
Tgt Ion:252 Resp: 2186689

Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.0

125 9.6 7.0 10.6



#89

Benzo(k)fluoranthene

Concen: 73.082 ng

RT: 15.304 min Scan# 2162

Delta R.T. -0.020 min

Lab File: BF132631.D

Acq: 03 Mar 2023 16:28

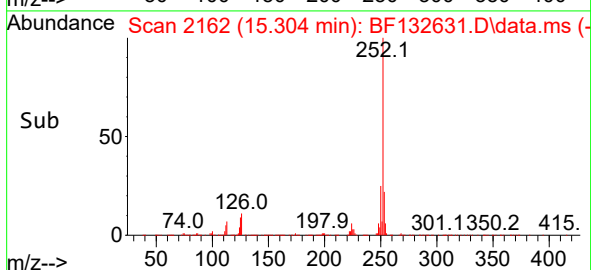
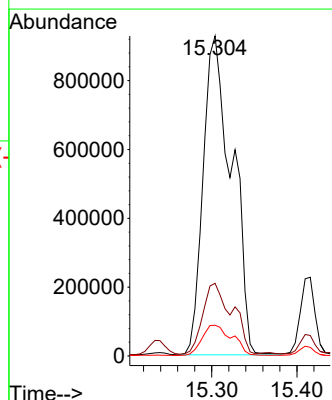
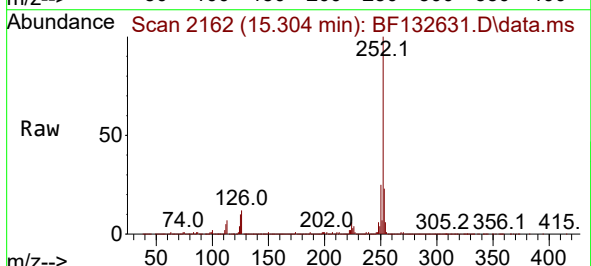
Tgt Ion:252 Resp: 2186689

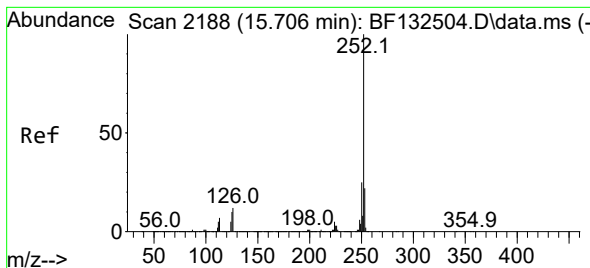
Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

125 9.6 7.2 10.8





#90

Benzo(a)pyrene

Concen: 45.938 ng

RT: 15.704 min Scan# 2188

Delta R.T. 0.015 min

Lab File: BF132631.D

Acq: 03 Mar 2023 16:28

Instrument :

BNA_F

ClientSampleId :

CE-63-030123

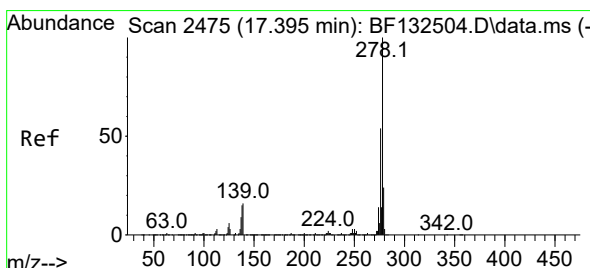
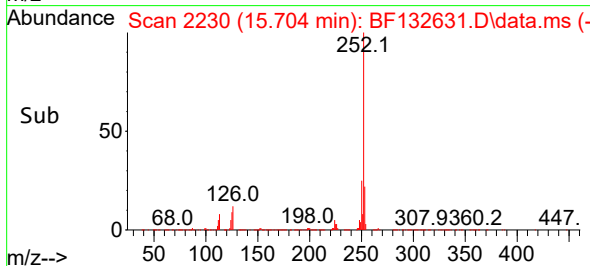
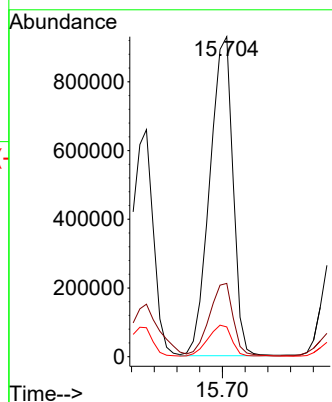
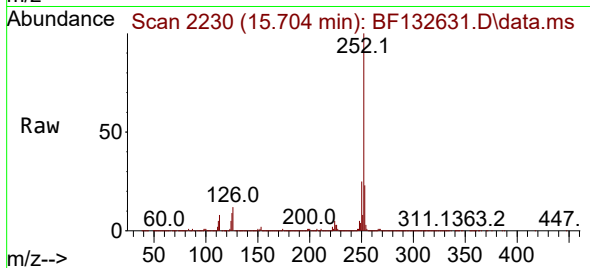
Tgt Ion:252 Resp: 1314418

Ion Ratio Lower Upper

252 100

253 22.9 17.2 25.8

125 9.3 8.0 12.0



#91

Dibenzo(a,h)anthracene

Concen: 6.501 ng

RT: 17.374 min Scan# 2514

Delta R.T. -0.003 min

Lab File: BF132631.D

Acq: 03 Mar 2023 16:28

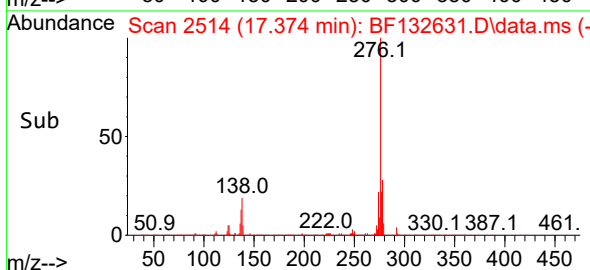
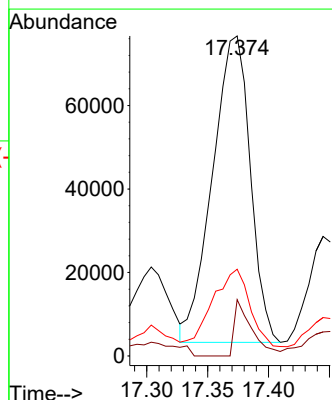
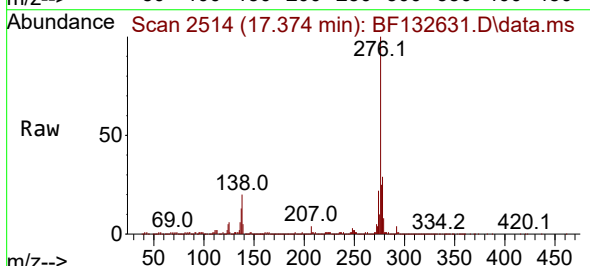
Tgt Ion:278 Resp: 158336

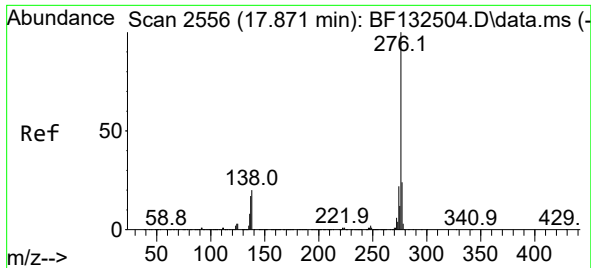
Ion Ratio Lower Upper

278 100

139 17.6 13.0 19.4

279 27.1 19.0 28.4





#92
 Benzo(g,h,i)perylene
 Concen: 23.255 ng
 RT: 17.857 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: BF132631.D
 Acq: 03 Mar 2023 16:28

Instrument :
 BNA_F
 ClientSampleId :
 CE-63-030123

Tgt Ion:276 Resp: 616372
 Ion Ratio Lower Upper
 276 100
 277 24.1 18.9 28.3
 138 21.7 16.2 24.4

