

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030323\
 Data File : BF132630.D
 Acq On : 03 Mar 2023 15:56
 Operator : CG\JU
 Sample : 01767-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CE-54-030123

Quant Time: Mar 04 02:17:47 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

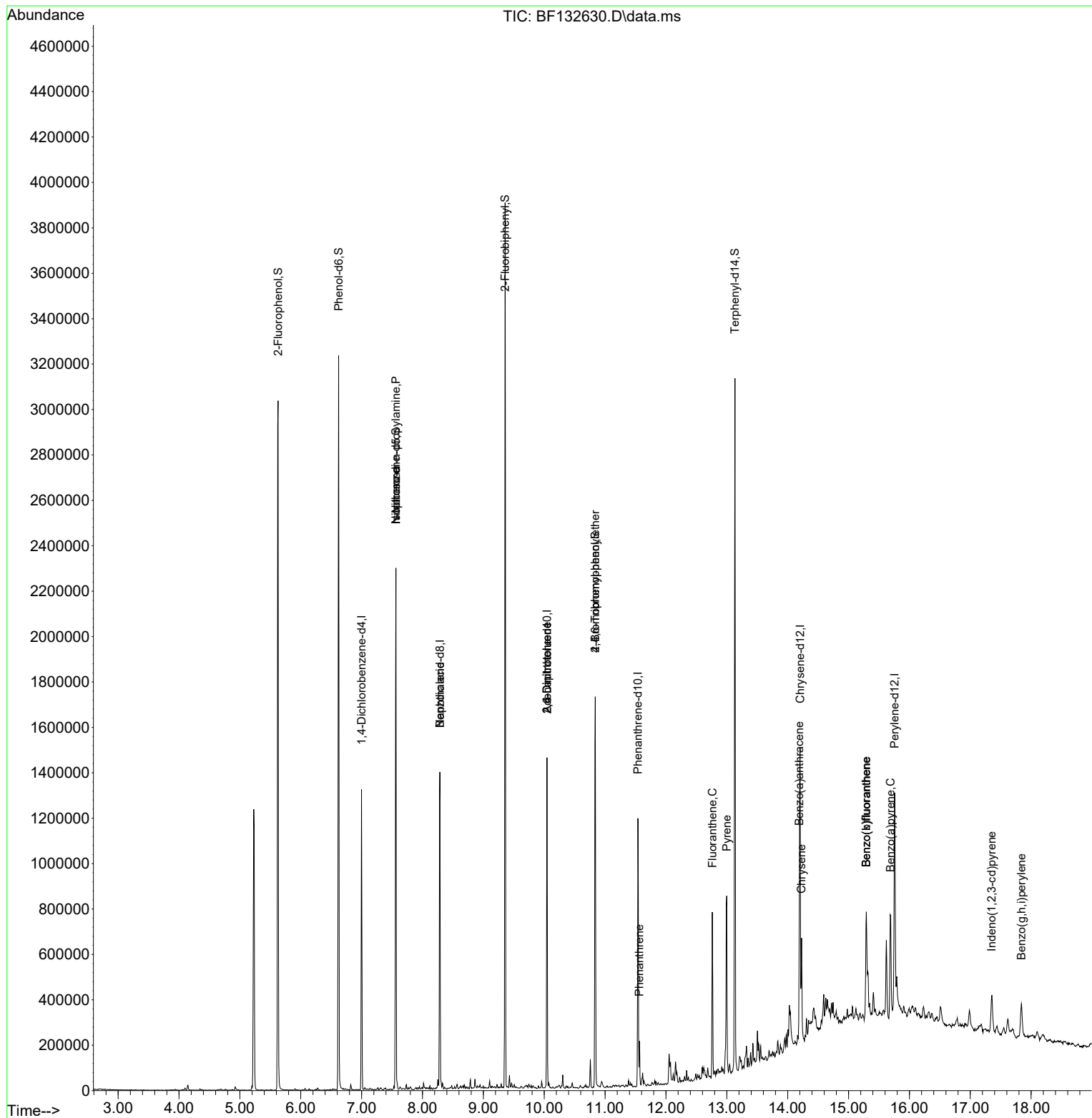
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.998	152	179125	20.000	ng	0.00
21) Naphthalene-d8	8.287	136	597747	20.000	ng	0.00
39) Acenaphthene-d10	10.045	164	270194	20.000	ng	0.00
64) Phenanthrene-d10	11.539	188	427300	20.000	ng	0.00
76) Chrysene-d12	14.204	240	390041	20.000	ng	0.00
86) Perylene-d12	15.757	264	460977	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.628	112	912883	82.712	ng	0.00
7) Phenol-d6	6.622	99	1099258	76.316	ng	-0.01
23) Nitrobenzene-d5	7.563	82	694596	55.131	ng	0.00
42) 2,4,6-Tribromophenol	10.839	330	201388	69.016	ng	0.00
45) 2-Fluorobiphenyl	9.357	172	1087238	61.271	ng	-0.01
79) Terphenyl-d14	13.133	244	1012427	43.887	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.563	70	90950	10.260	ng	# 74
25) Isophorone	7.563	82	694585	28.755	ng	# 67
32) Benzoic acid	8.287	122	114	3.850	ng	# 1
51) 2,6-Dinitrotoluene	10.045	165	35173	7.850	ng	# 22
57) 2,4-Dinitrotoluene	10.045	165	35173	5.901	ng	# 21
67) 4-Bromophenyl-phenylether	10.839	248	13700	2.834	ng	# 1
71) Phenanthrene	11.563	178	71340	3.223	ng	98
75) Fluoranthene	12.763	202	255191	10.545	ng	99
78) Pyrene	12.998	202	331748	9.355	ng	98
81) Benzo(a)anthracene	14.192	228	205013	7.025	ng	98
83) Chrysene	14.227	228	171322	6.278	ng	98
87) Indeno(1,2,3-cd)pyrene	17.351	276	120139	3.977	ng	98
88) Benzo(b)fluoranthene	15.292	252	363583	11.769	ng	# 96
89) Benzo(k)fluoranthene	15.292	252	363583	12.026	ng	# 97
90) Benzo(a)pyrene	15.692	252	240370	8.314	ng	97
92) Benzo(g,h,i)perylene	17.839	276	122569	5.873	ng	97

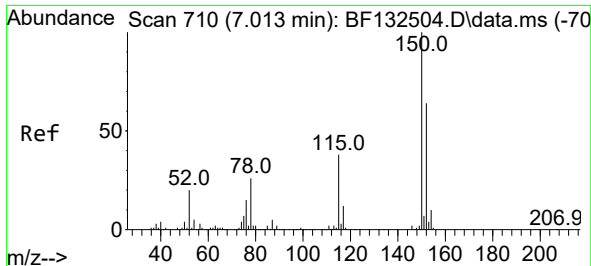
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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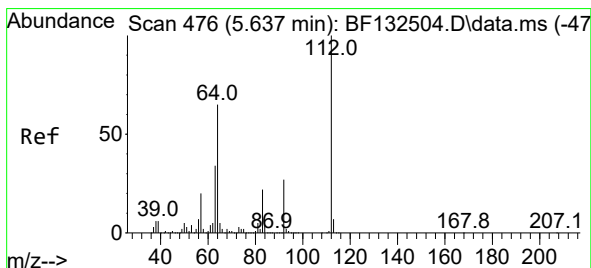
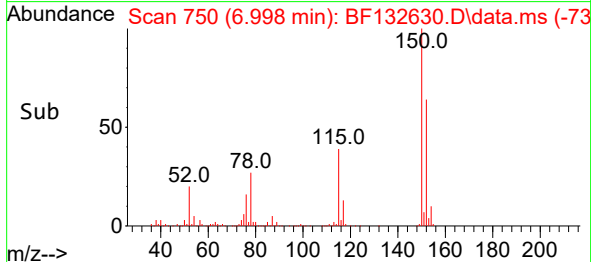
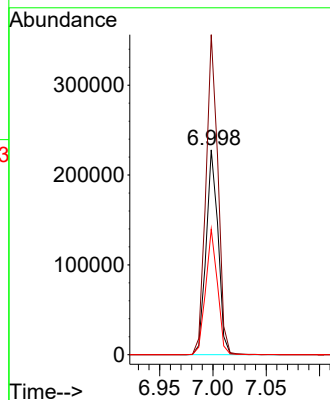
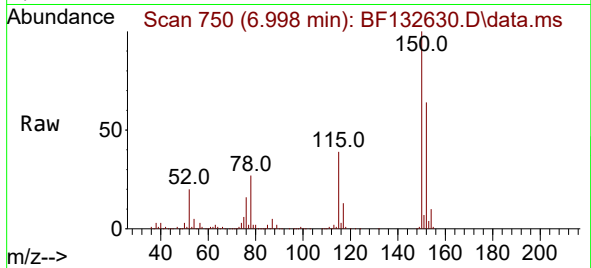




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.998 min Scan# 710
Delta R.T. -0.009 min
Lab File: BF132630.D
Acq: 03 Mar 2023 15:56

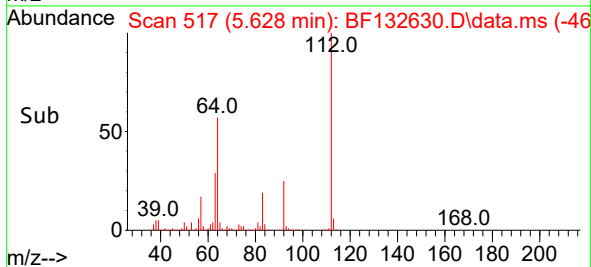
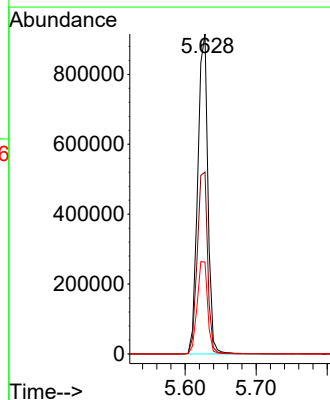
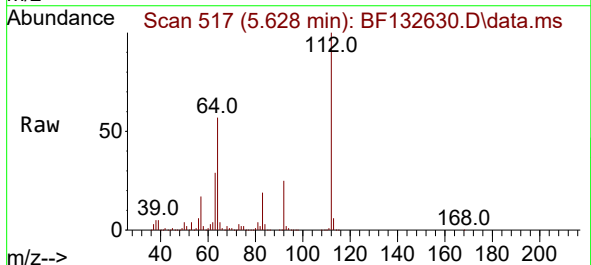
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BNA_F
ClientSampleId :
CE-54-030123

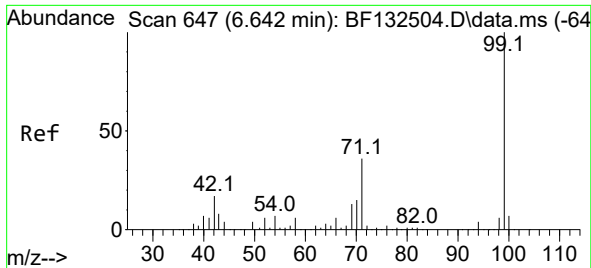
Tgt Ion:152 Resp: 179125
Ion Ratio Lower Upper
152 100
150 156.2 125.4 188.2
115 61.3 47.8 71.6



#5
2-Fluorophenol
Concen: 82.712 ng
RT: 5.628 min Scan# 517
Delta R.T. -0.003 min
Lab File: BF132630.D
Acq: 03 Mar 2023 15:56

Tgt Ion:112 Resp: 912883
Ion Ratio Lower Upper
112 100
64 56.8 51.6 77.4
63 28.7 27.4 41.2

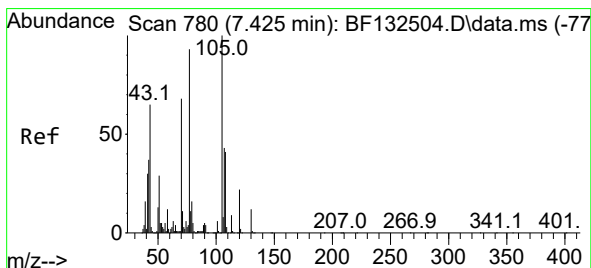
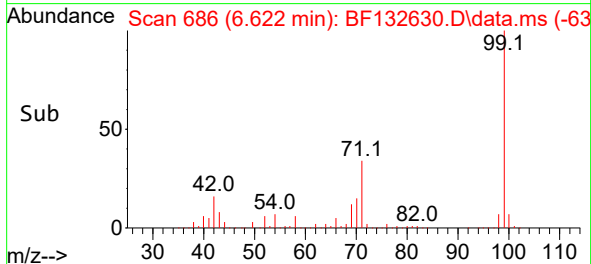
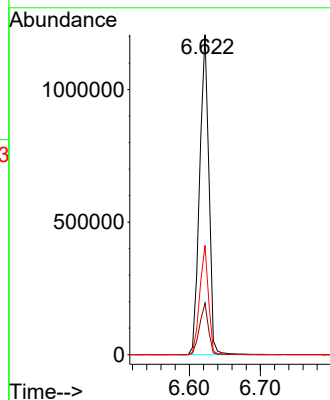
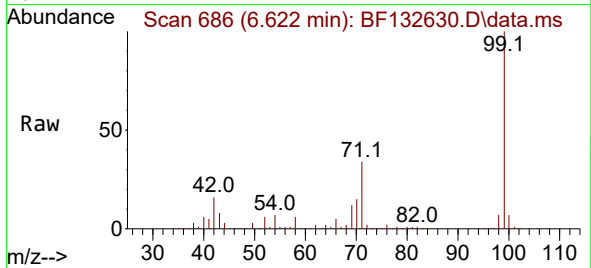




#7
Phenol-d6
Concen: 76.316 ng
RT: 6.622 min Scan# 61
Delta R.T. -0.015 min
Lab File: BF132630.D
Acq: 03 Mar 2023 15:56

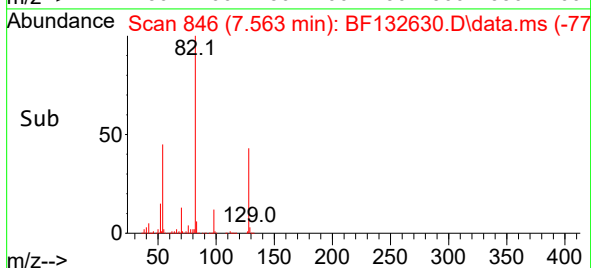
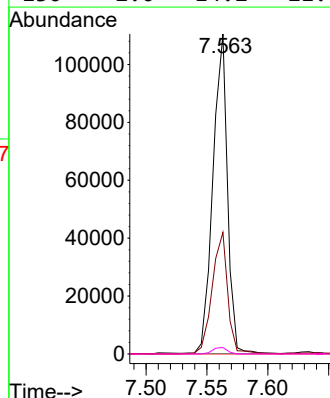
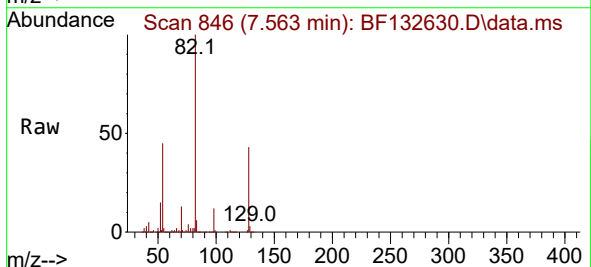
Instrument :
BNA_F
ClientSampleId :
CE-54-030123

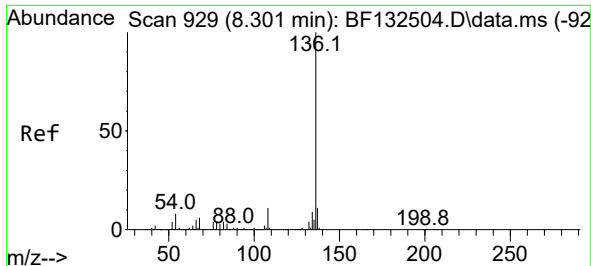
Tgt Ion: 99 Resp: 1099258
Ion Ratio Lower Upper
99 100
42 16.1 13.9 20.9
71 34.2 28.5 42.7



#19
n-Nitroso-di-n-propylamine
Concen: 10.260 ng
RT: 7.563 min Scan# 846
Delta R.T. 0.144 min
Lab File: BF132630.D
Acq: 03 Mar 2023 15:56

Tgt Ion: 70 Resp: 90950
Ion Ratio Lower Upper
70 100
42 38.0 44.1 66.1#
101 0.0 7.4 11.2#
130 2.0 14.2 21.4#



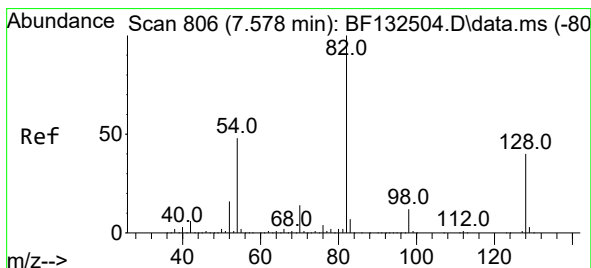
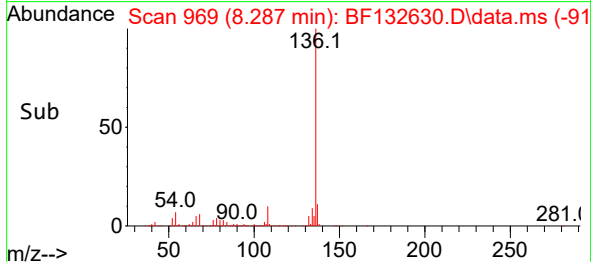
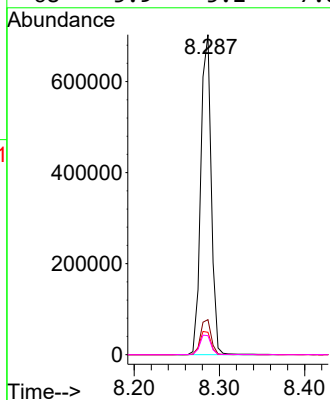
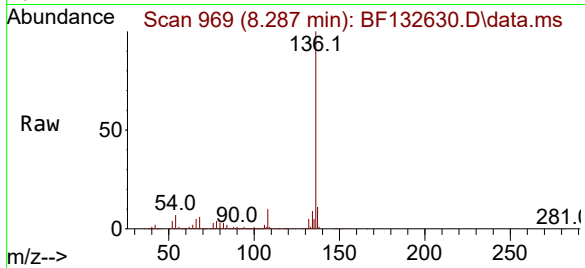


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.287 min Scan# 91
Delta R.T. -0.003 min
Lab File: BF132630.D
Acq: 03 Mar 2023 15:56

Instrument :
BNA_F
ClientSampleId :
CE-54-030123

Tgt Ion:136 Resp: 597747

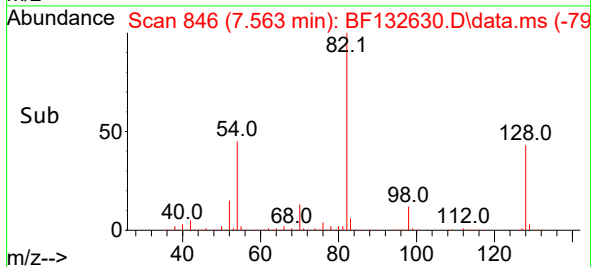
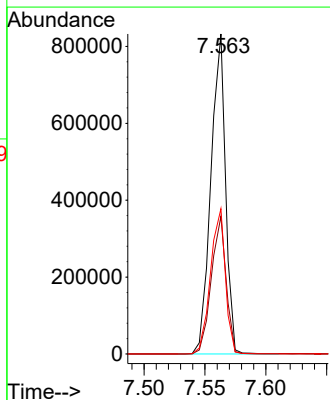
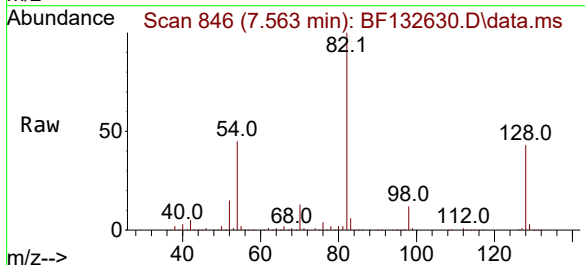
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.0	6.2	9.4
68	5.9	5.2	7.8

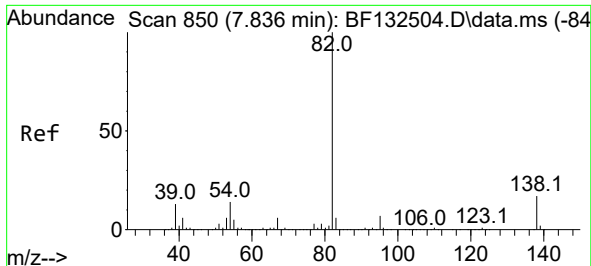


#23
Nitrobenzene-d5
Concen: 55.131 ng
RT: 7.563 min Scan# 846
Delta R.T. -0.009 min
Lab File: BF132630.D
Acq: 03 Mar 2023 15:56

Tgt Ion: 82 Resp: 694596

Ion	Ratio	Lower	Upper
82	100		
128	43.0	32.2	48.2
54	45.4	38.4	57.6

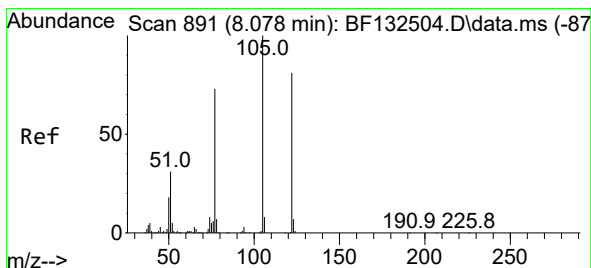
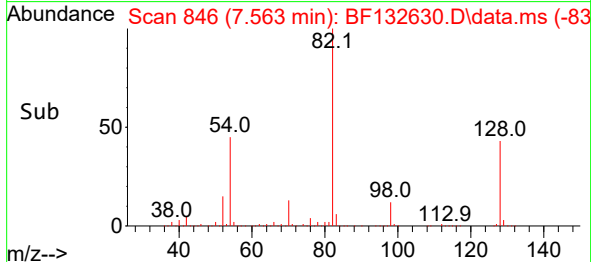
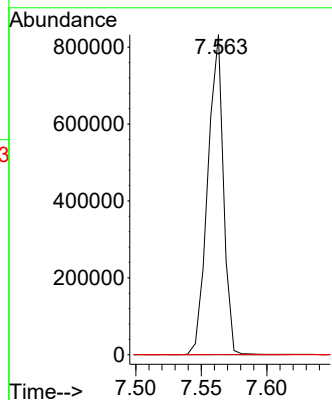
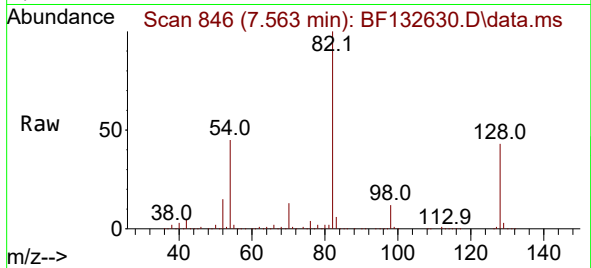




#25
Isophorone
Concen: 28.755 ng
RT: 7.563 min Scan# 84
Delta R.T. -0.262 min
Lab File: BF132630.D
Acq: 03 Mar 2023 15:56

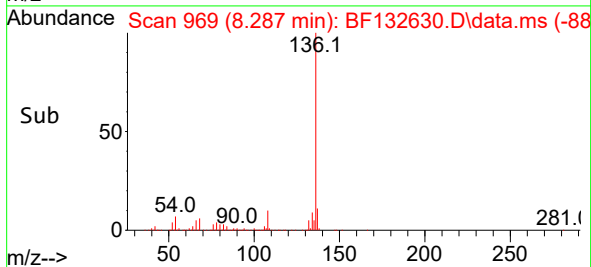
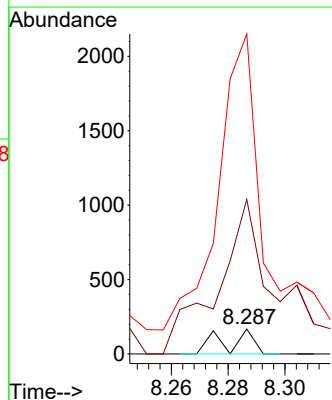
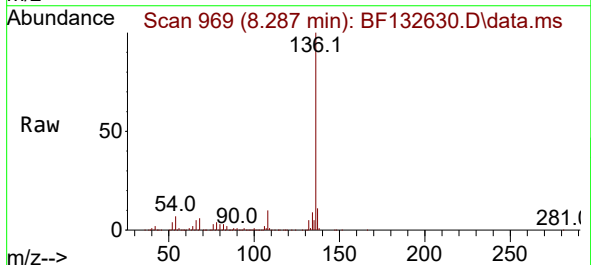
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ClientSampleId :
CE-54-030123

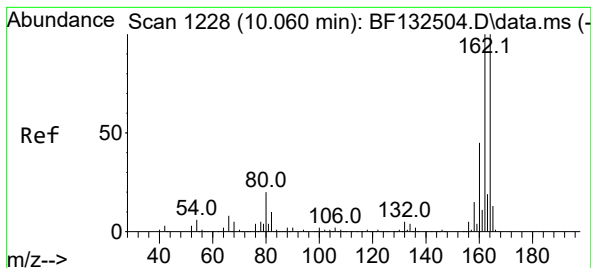
Tgt Ion: 82 Resp: 694585
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.3 19.9#



#32
Benzoic acid
Concen: 3.850 ng
RT: 8.287 min Scan# 969
Delta R.T. 0.221 min
Lab File: BF132630.D
Acq: 03 Mar 2023 15:56

Tgt Ion:122 Resp: 114
Ion Ratio Lower Upper
122 100
105 621.6 102.6 142.6#
77 1287.4 70.2 110.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.045 min Scan# 1

Delta R.T. -0.009 min

Lab File: BF132630.D

Acq: 03 Mar 2023 15:56

Instrument :

BNA_F

ClientSampleId :

CE-54-030123

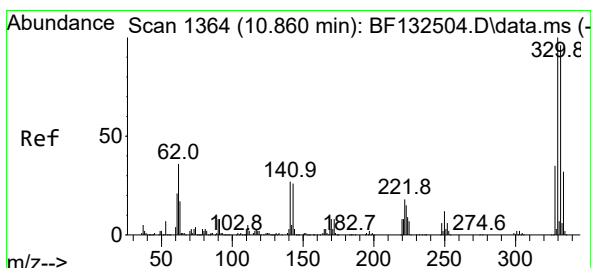
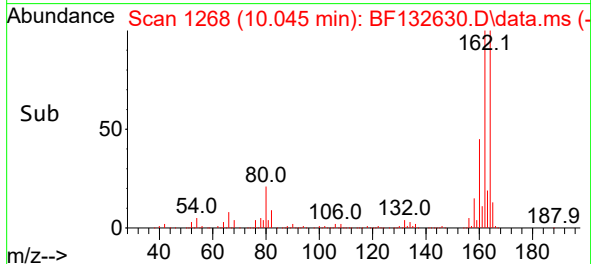
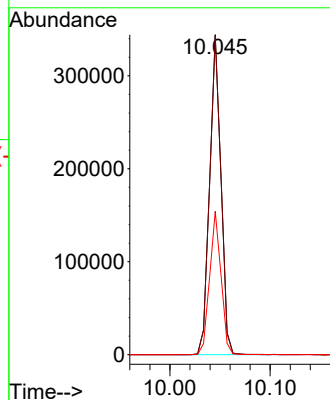
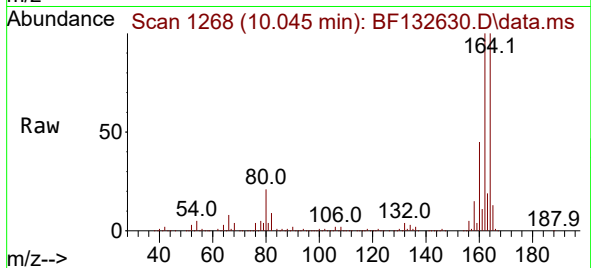
Tgt Ion:164 Resp: 270194

Ion Ratio Lower Upper

164 100

162 99.5 79.8 119.8

160 44.8 35.8 53.6



#42

2,4,6-Tribromophenol

Concen: 69.016 ng

RT: 10.839 min Scan# 1403

Delta R.T. -0.009 min

Lab File: BF132630.D

Acq: 03 Mar 2023 15:56

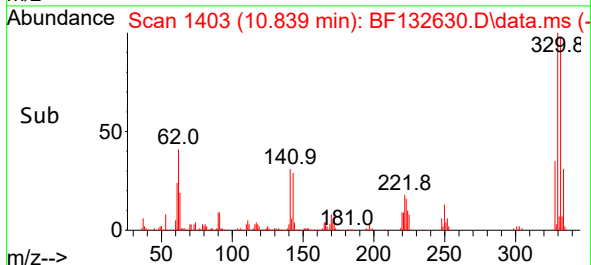
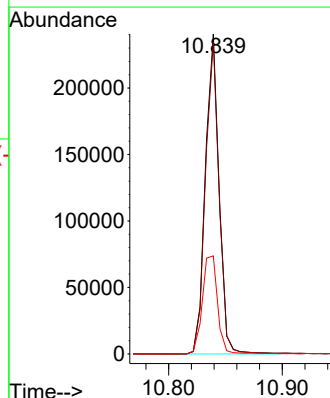
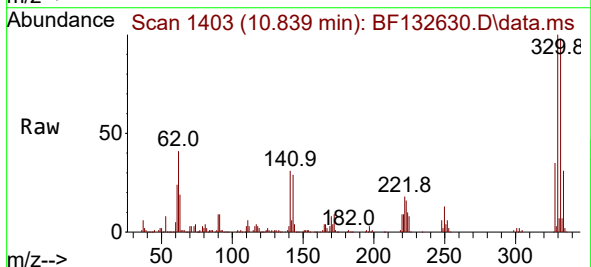
Tgt Ion:330 Resp: 201388

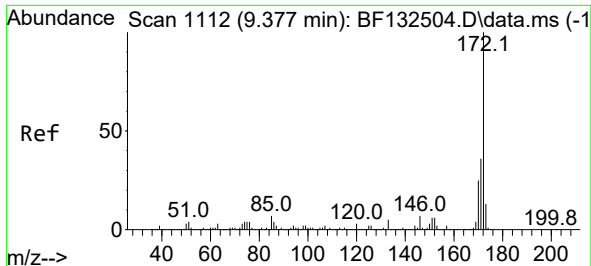
Ion Ratio Lower Upper

330 100

332 97.5 76.2 114.4

141 34.6 28.4 42.6

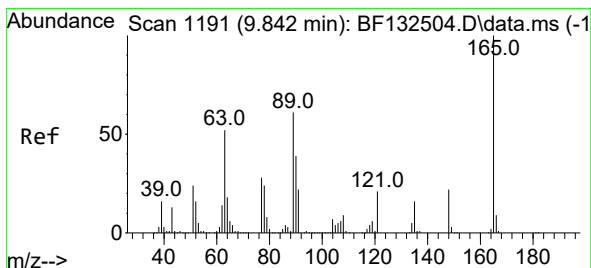
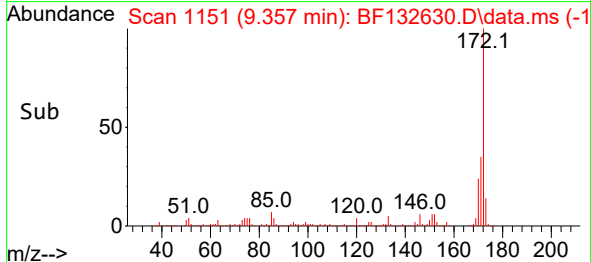
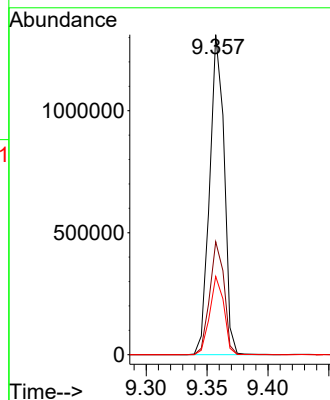
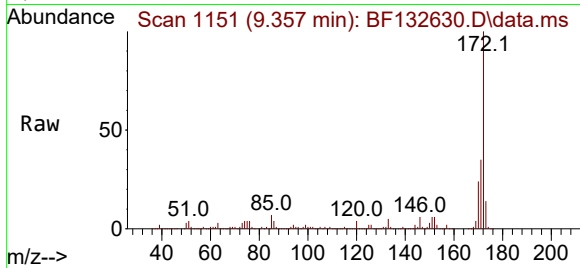




#45
2-Fluorobiphenyl
Concen: 61.271 ng
RT: 9.357 min Scan# 1112
Delta R.T. -0.015 min
Lab File: BF132630.D
Acq: 03 Mar 2023 15:56

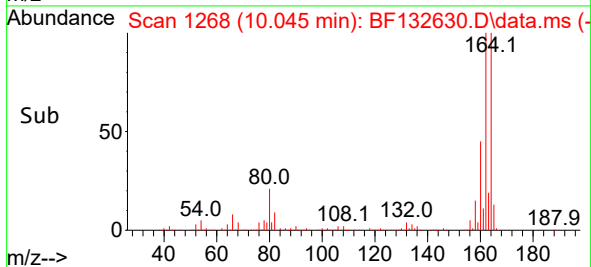
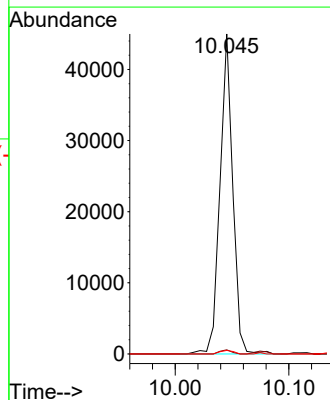
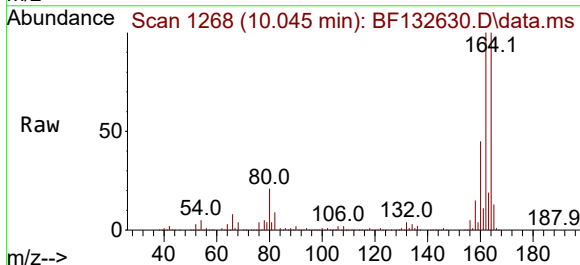
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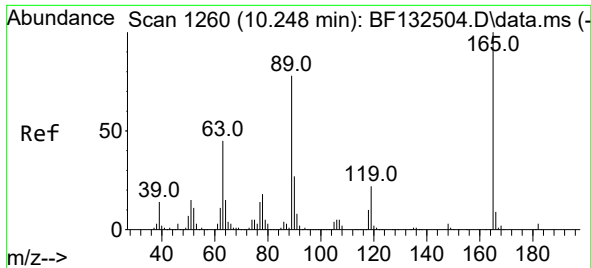
Tgt Ion:172 Resp: 1087238
Ion Ratio Lower Upper
172 100
171 35.3 28.8 43.2
170 24.4 19.7 29.5



#51
2,6-Dinitrotoluene
Concen: 7.850 ng
RT: 10.045 min Scan# 1268
Delta R.T. 0.209 min
Lab File: BF132630.D
Acq: 03 Mar 2023 15:56

Tgt Ion:165 Resp: 35173
Ion Ratio Lower Upper
165 100
63 1.3 47.3 70.9#
89 1.1 48.9 73.3#

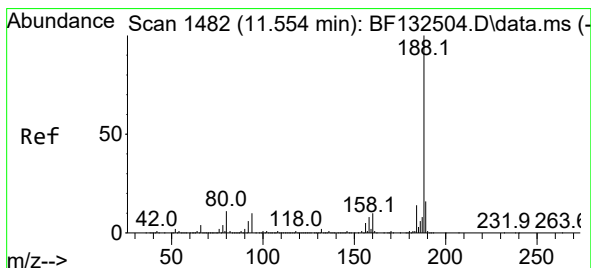
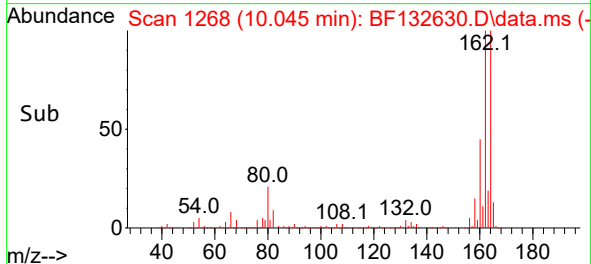
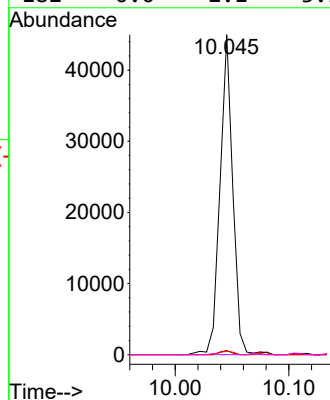
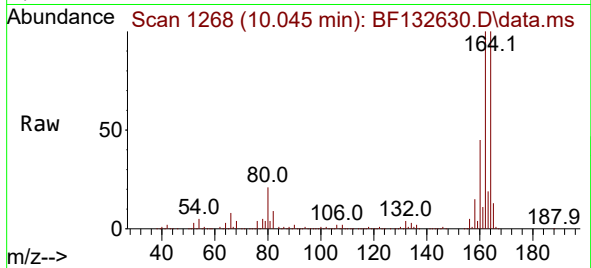




#57
2,4-Dinitrotoluene
Concen: 5.901 ng
RT: 10.045 min Scan# 1521
Delta R.T. -0.197 min
Lab File: BF132630.D
Acq: 03 Mar 2023 15:56

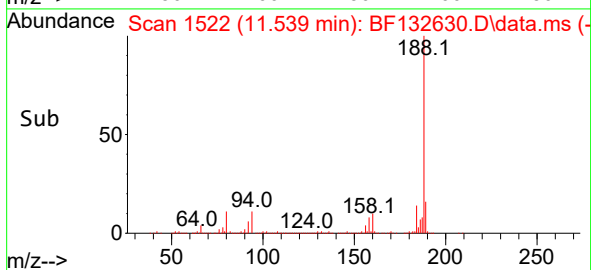
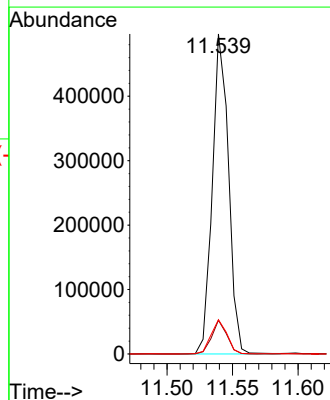
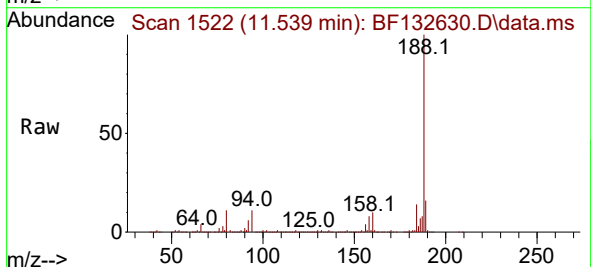
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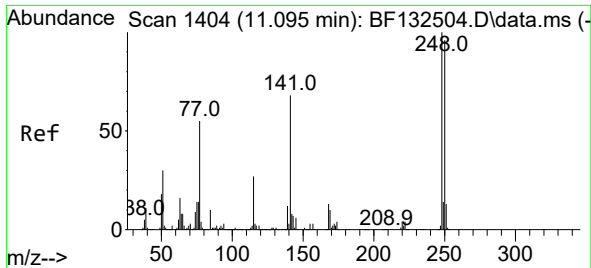
Tgt Ion:165 Resp: 35173
Ion Ratio Lower Upper
165 100
63 1.3 36.5 54.7#
89 1.1 62.4 93.6#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.539 min Scan# 1522
Delta R.T. -0.009 min
Lab File: BF132630.D
Acq: 03 Mar 2023 15:56

Tgt Ion:188 Resp: 427300
Ion Ratio Lower Upper
188 100
94 10.6 8.3 12.5
80 10.7 8.7 13.1

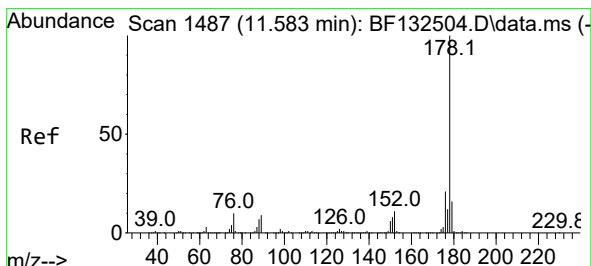
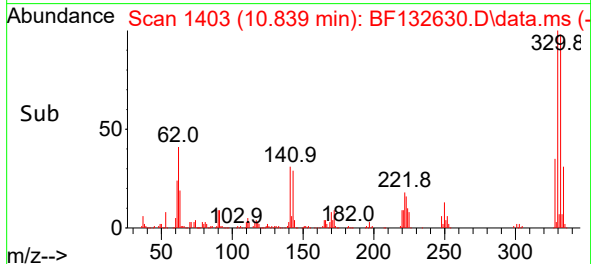
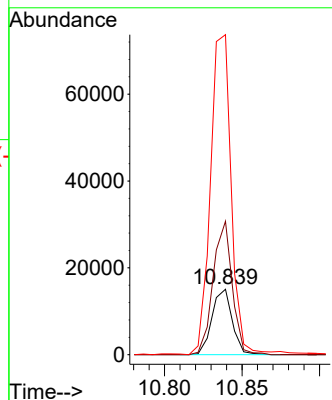
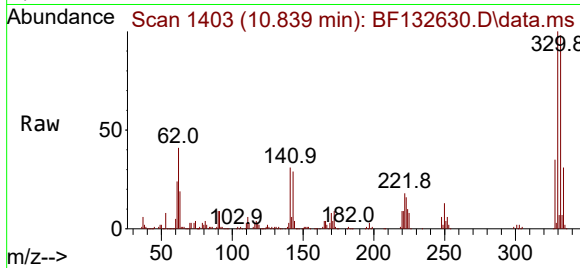




#67
4-Bromophenyl-phenylether
Concen: 2.834 ng
RT: 10.839 min Scan# 1403
Delta R.T. -0.250 min
Lab File: BF132630.D
Acq: 03 Mar 2023 15:56

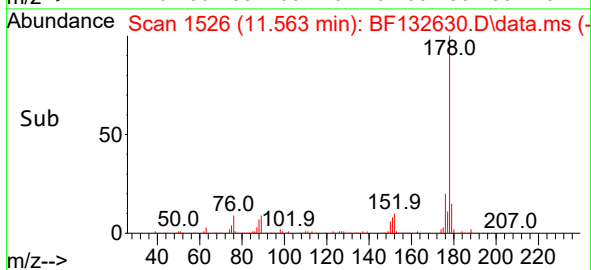
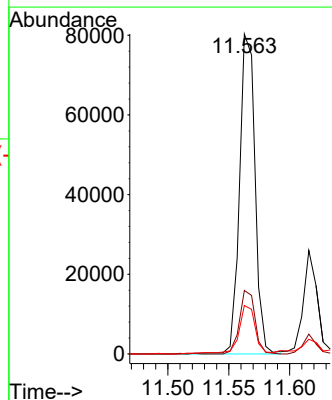
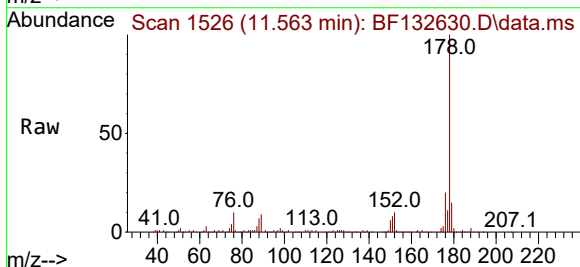
Instrument :
BNA_F
ClientSampleId :
CE-54-030123

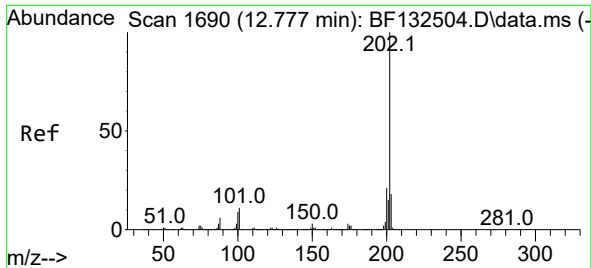
Tgt Ion:248 Resp: 13700
Ion Ratio Lower Upper
248 100
250 203.7 77.0 115.4#
141 488.7 54.2 81.2#



#71
Phenanthrene
Concen: 3.223 ng
RT: 11.563 min Scan# 1526
Delta R.T. -0.015 min
Lab File: BF132630.D
Acq: 03 Mar 2023 15:56

Tgt Ion:178 Resp: 71340
Ion Ratio Lower Upper
178 100
176 19.9 16.5 24.7
179 15.2 13.0 19.6

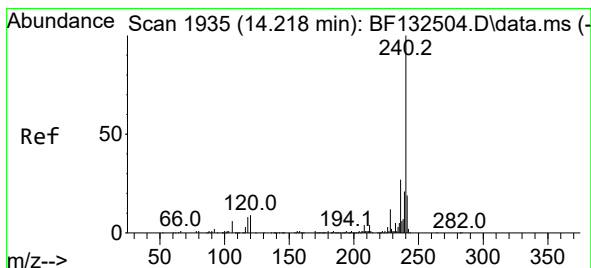
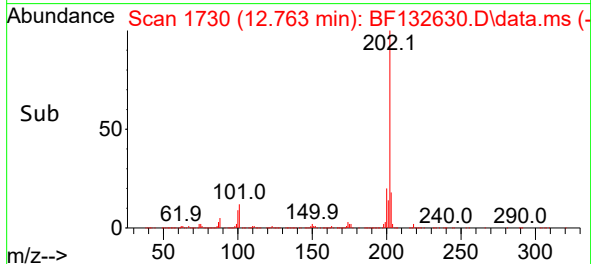
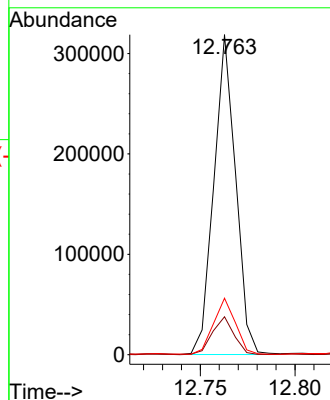
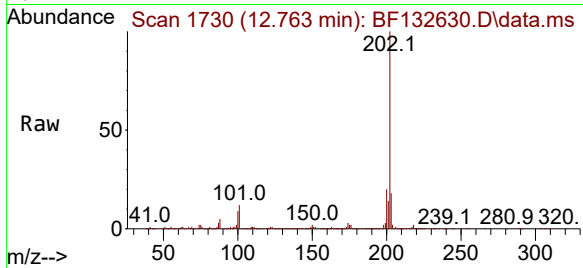




#75
Fluoranthene
Concen: 10.545 ng
RT: 12.763 min Scan# 11
Delta R.T. -0.009 min
Lab File: BF132630.D
Acq: 03 Mar 2023 15:56

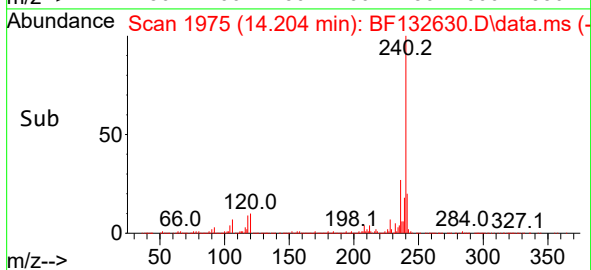
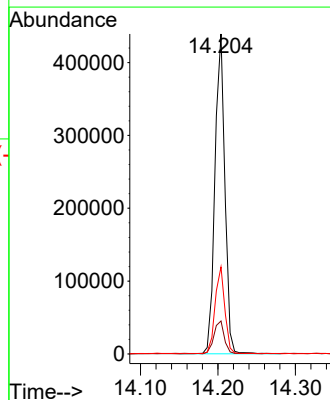
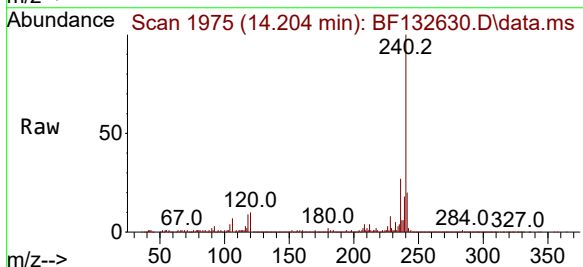
Instrument :
BNA_F
ClientSampleId :
CE-54-030123

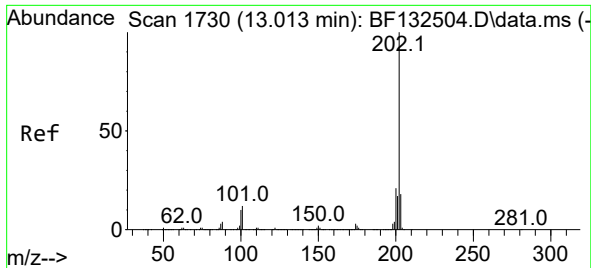
Tgt Ion:202 Resp: 255191
Ion Ratio Lower Upper
202 100
101 11.8 0.0 31.4
203 17.7 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.204 min Scan# 1975
Delta R.T. -0.003 min
Lab File: BF132630.D
Acq: 03 Mar 2023 15:56

Tgt Ion:240 Resp: 390041
Ion Ratio Lower Upper
240 100
120 10.3 7.2 10.8
236 27.2 21.8 32.6

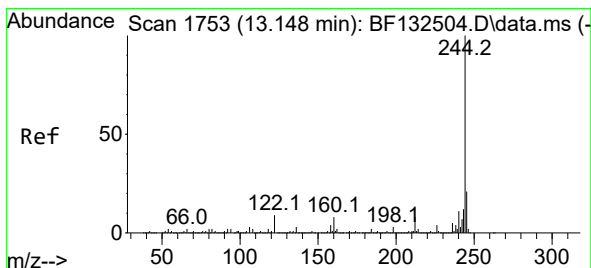
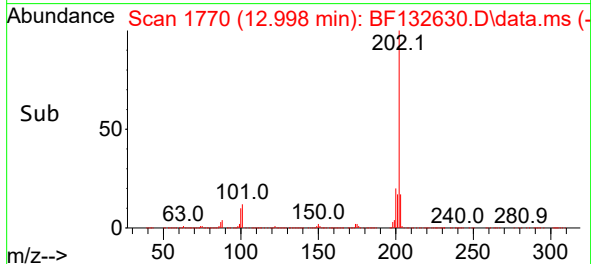
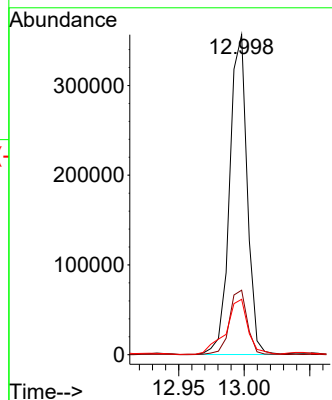
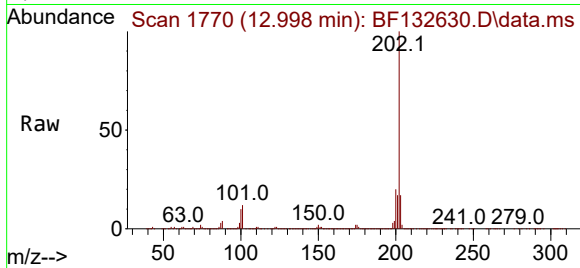




#78
Pyrene
Concen: 9.355 ng
RT: 12.998 min Scan# 1730
Delta R.T. -0.003 min
Lab File: BF132630.D
Acq: 03 Mar 2023 15:56

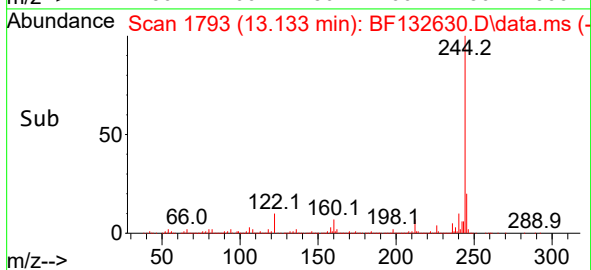
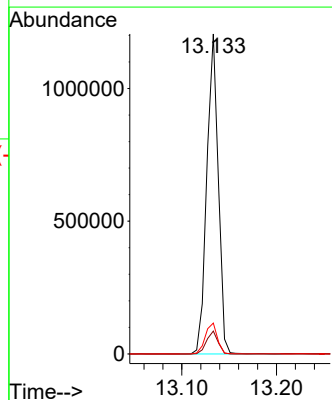
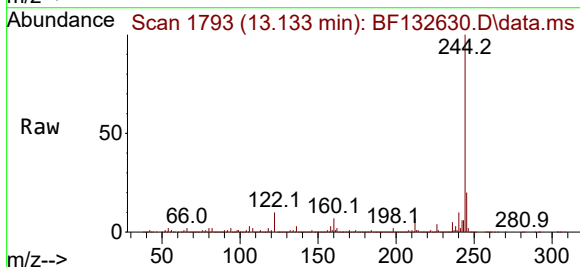
Instrument :
BNA_F
ClientSampleId :
CE-54-030123

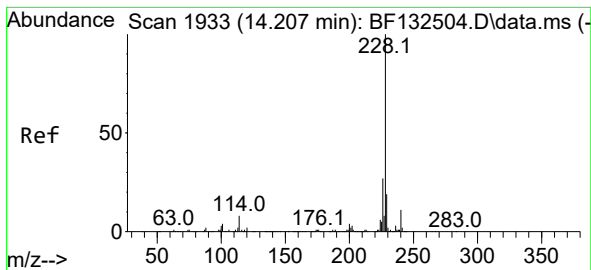
Tgt Ion:202 Resp: 331748
Ion Ratio Lower Upper
202 100
200 20.2 17.1 25.7
203 17.3 14.6 21.8



#79
Terphenyl-d14
Concen: 43.887 ng
RT: 13.133 min Scan# 1793
Delta R.T. -0.009 min
Lab File: BF132630.D
Acq: 03 Mar 2023 15:56

Tgt Ion:244 Resp: 1012427
Ion Ratio Lower Upper
244 100
212 7.2 6.5 9.7
122 9.6 7.5 11.3





#81

Benzo(a)anthracene

Concen: 7.025 ng

RT: 14.192 min Scan# 1973

Delta R.T. -0.003 min

Lab File: BF132630.D

Acq: 03 Mar 2023 15:56

Instrument :

BNA_F

ClientSampleId :

CE-54-030123

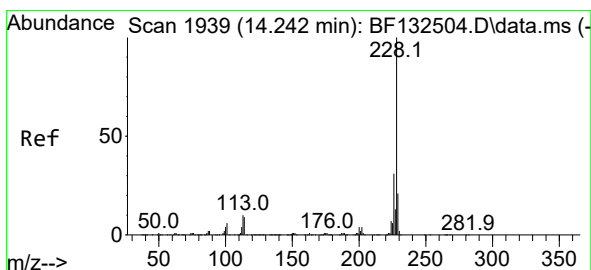
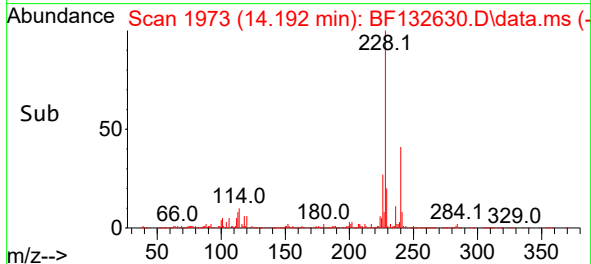
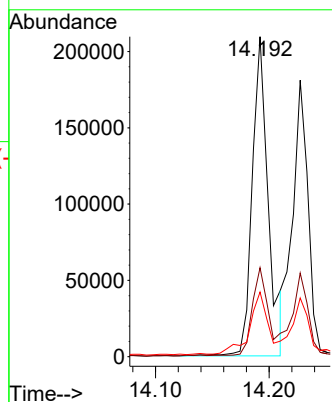
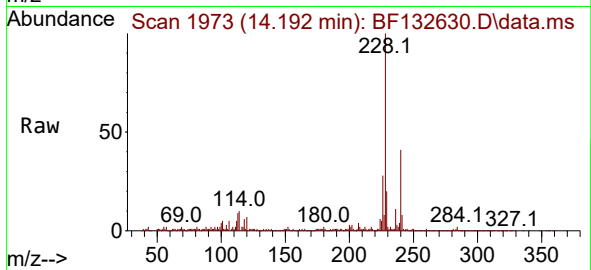
Tgt Ion:228 Resp: 205013

Ion Ratio Lower Upper

228 100

226 27.8 21.7 32.5

229 20.2 15.4 23.2



#83

Chrysene

Concen: 6.278 ng

RT: 14.227 min Scan# 1979

Delta R.T. -0.009 min

Lab File: BF132630.D

Acq: 03 Mar 2023 15:56

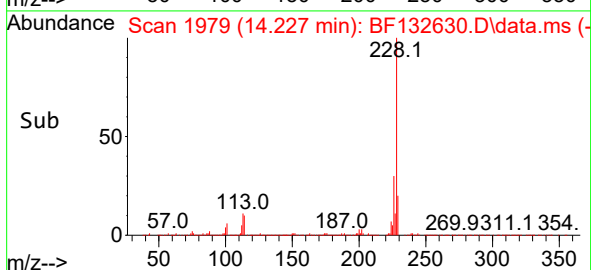
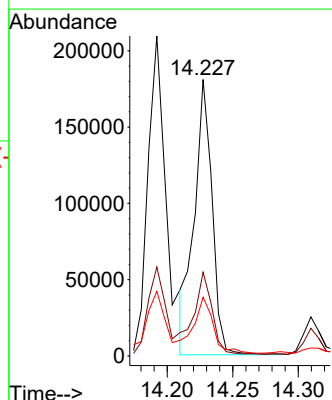
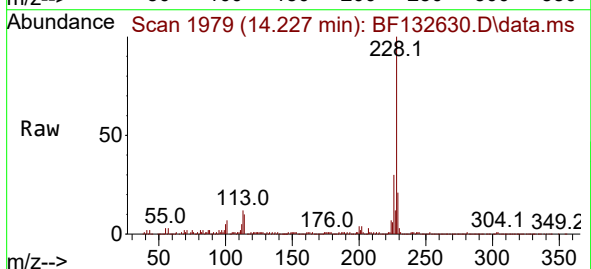
Tgt Ion:228 Resp: 171322

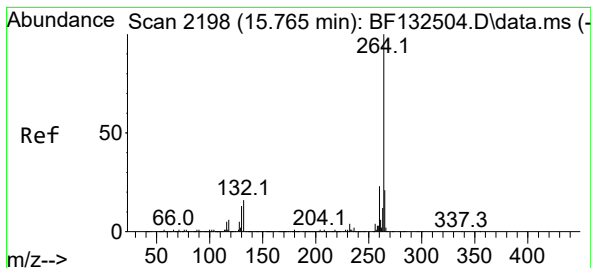
Ion Ratio Lower Upper

228 100

226 30.3 25.0 37.6

229 21.2 16.4 24.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.757 min Scan# 21

Delta R.T. 0.003 min

Lab File: BF132630.D

Acq: 03 Mar 2023 15:56

Instrument :

BNA_F

ClientSampleId :

CE-54-030123

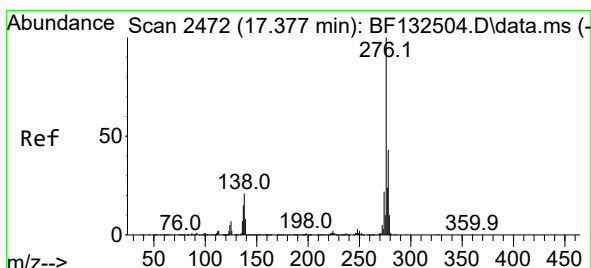
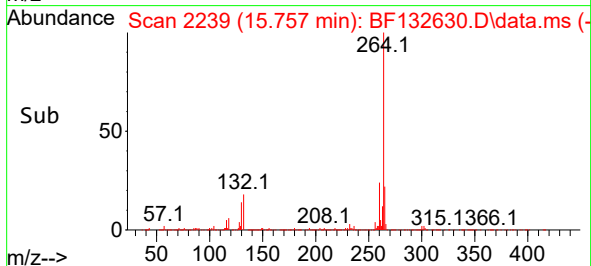
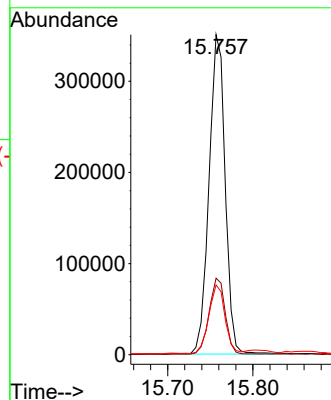
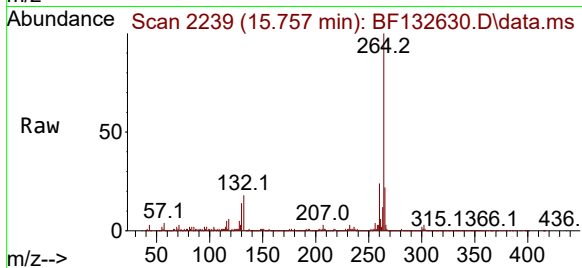
Tgt Ion:264 Resp: 460977

Ion Ratio Lower Upper

264 100

260 23.9 18.8 28.2

265 21.8 17.1 25.7



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.977 ng

RT: 17.351 min Scan# 2510

Delta R.T. -0.009 min

Lab File: BF132630.D

Acq: 03 Mar 2023 15:56

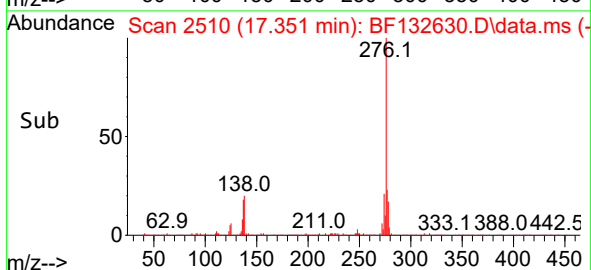
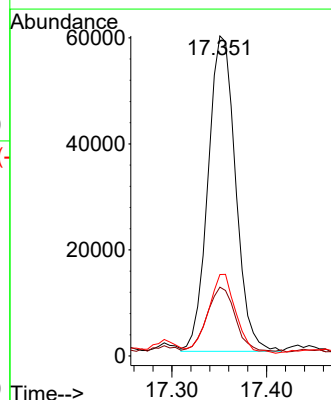
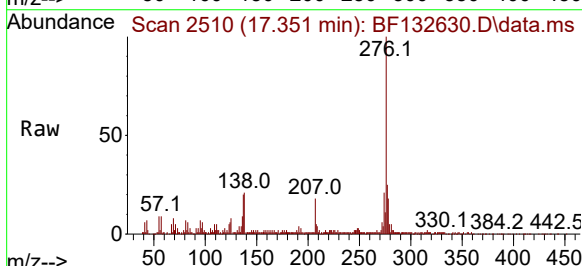
Tgt Ion:276 Resp: 120139

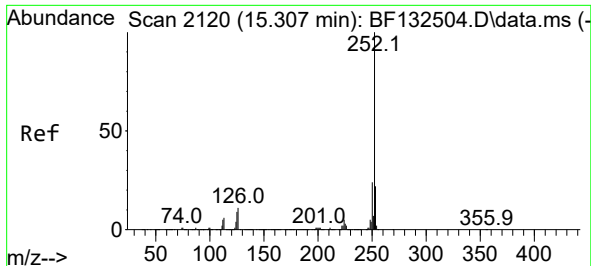
Ion Ratio Lower Upper

276 100

138 21.5 19.0 28.4

277 24.9 20.0 30.0

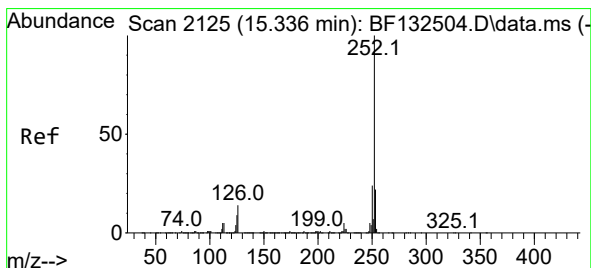
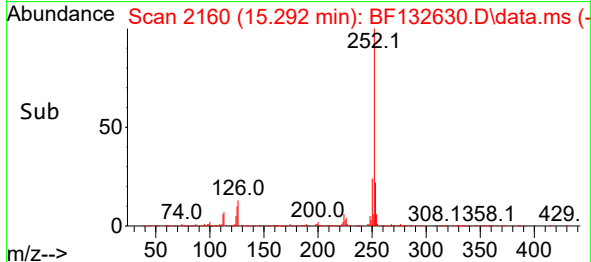
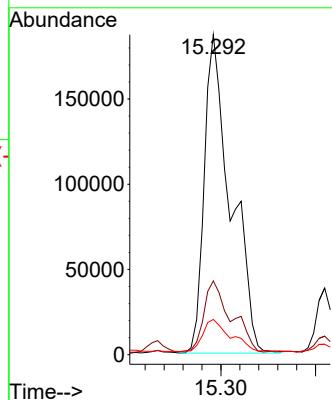
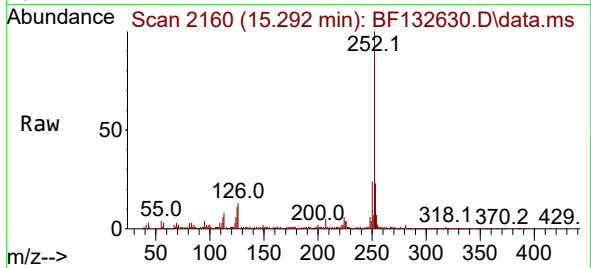




#88
Benzo(b)fluoranthene
Concen: 11.769 ng
RT: 15.292 min Scan# 2116
Delta R.T. -0.003 min
Lab File: BF132630.D
Acq: 03 Mar 2023 15:56

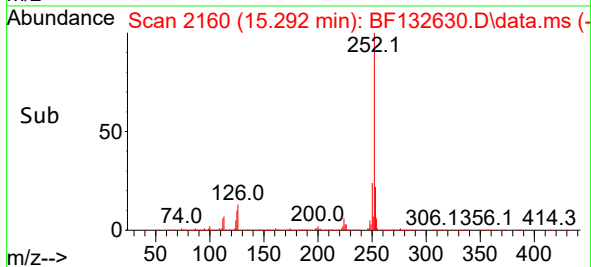
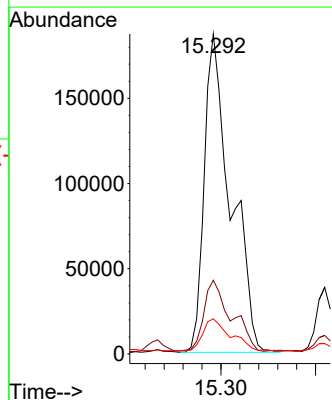
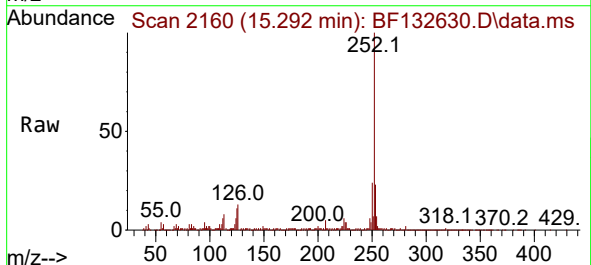
Instrument :
BNA_F
ClientSampleId :
CE-54-030123

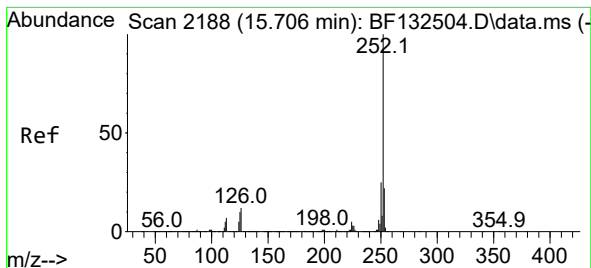
Tgt Ion:252 Resp: 363583
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.0
125 11.0 7.0 10.6#



#89
Benzo(k)fluoranthene
Concen: 12.026 ng
RT: 15.292 min Scan# 2160
Delta R.T. -0.032 min
Lab File: BF132630.D
Acq: 03 Mar 2023 15:56

Tgt Ion:252 Resp: 363583
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 11.0 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 8.314 ng

RT: 15.692 min Scan# 21

Delta R.T. 0.003 min

Lab File: BF132630.D

Acq: 03 Mar 2023 15:56

Instrument :

BNA_F

ClientSampleId :

CE-54-030123

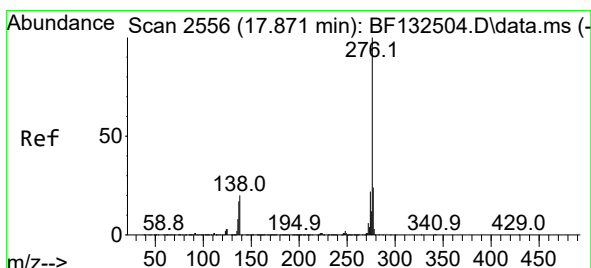
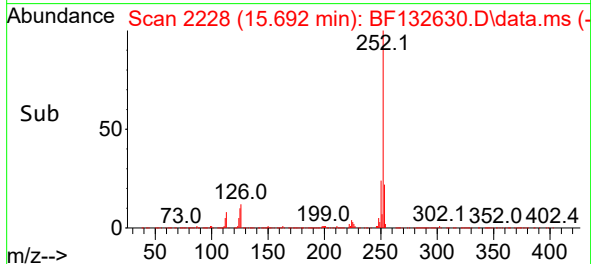
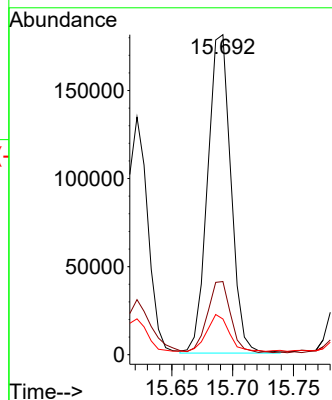
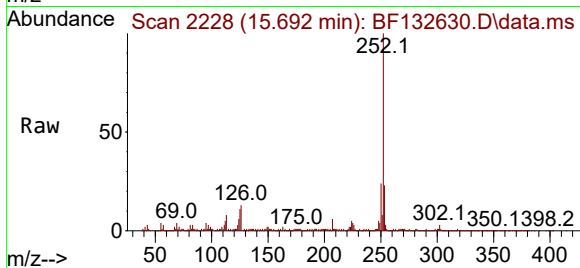
Tgt Ion:252 Resp: 240370

Ion Ratio Lower Upper

252 100

253 22.9 17.2 25.8

125 11.2 8.0 12.0



#92

Benzo(g,h,i)perylene

Concen: 5.873 ng

RT: 17.839 min Scan# 2593

Delta R.T. -0.015 min

Lab File: BF132630.D

Acq: 03 Mar 2023 15:56

Tgt Ion:276 Resp: 122569

Ion Ratio Lower Upper

276 100

277 23.3 18.9 28.3

138 23.1 16.2 24.4

