

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030323\
 Data File : BF132632.D
 Acq On : 03 Mar 2023 17:01
 Operator : CG\JU
 Sample : 01767-15
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CE-33-030123

Quant Time: Mar 04 02:18:31 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

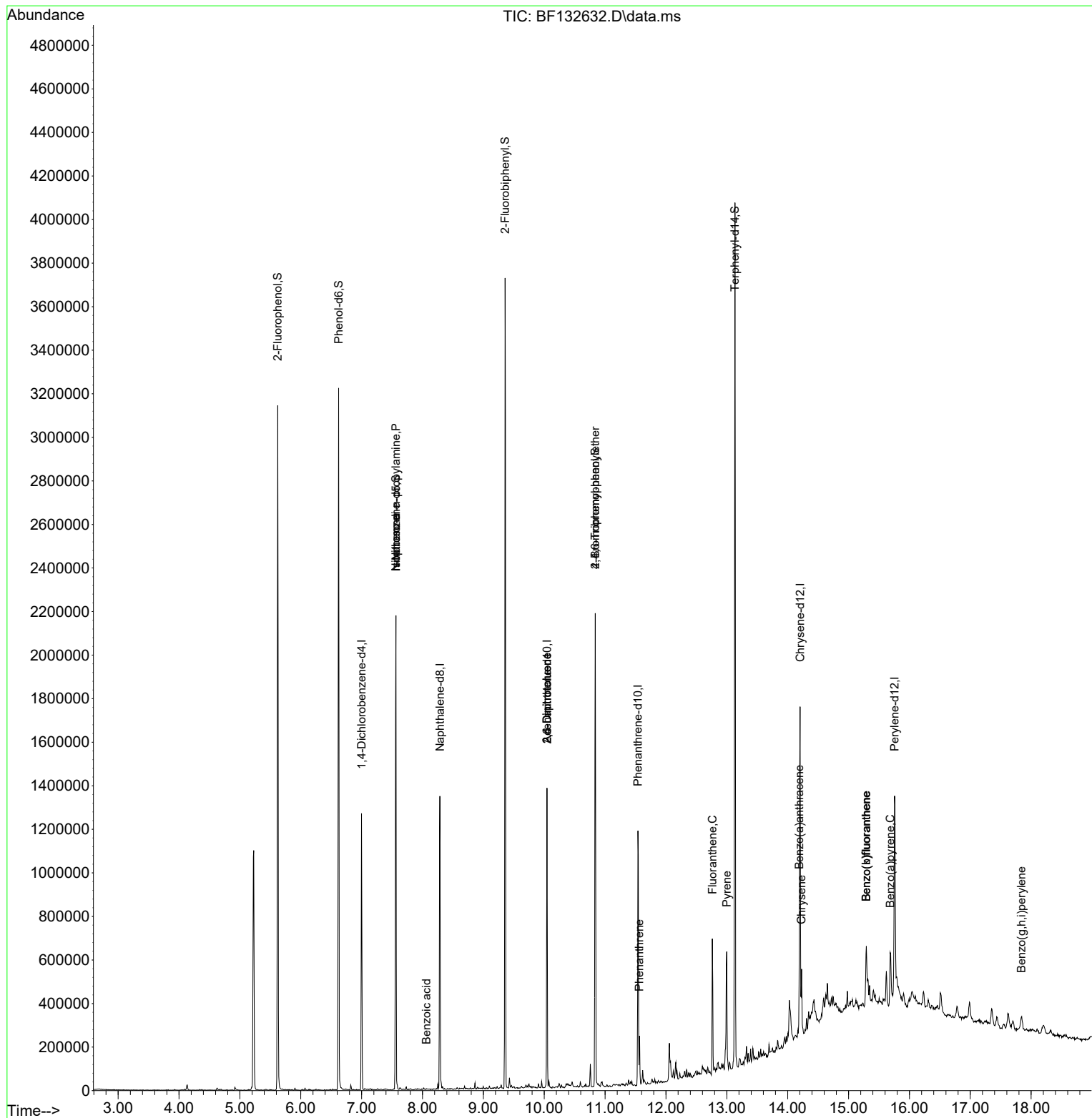
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.998	152	175645	20.000	ng	0.00
21) Naphthalene-d8	8.286	136	571502	20.000	ng	0.00
39) Acenaphthene-d10	10.045	164	247729	20.000	ng	0.00
64) Phenanthrene-d10	11.539	188	440159	20.000	ng	0.00
76) Chrysene-d12	14.204	240	447765	20.000	ng	0.00
86) Perylene-d12	15.757	264	442123	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.622	112	888107	82.062	ng	0.00
7) Phenol-d6	6.622	99	1103535	78.130	ng	-0.01
23) Nitrobenzene-d5	7.563	82	673894	55.945	ng	0.00
42) 2,4,6-Tribromophenol	10.839	330	244535	91.402	ng	0.00
45) 2-Fluorobiphenyl	9.357	172	1097745	67.473	ng	-0.01
79) Terphenyl-d14	13.133	244	1372687	51.832	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.563	70	88387	10.168	ng	# 75
25) Isophorone	7.563	82	673885	29.180	ng	# 67
32) Benzoic acid	8.063	122	58	3.844	ng	# 16
51) 2,6-Dinitrotoluene	10.045	165	31879	7.760	ng	# 22
57) 2,4-Dinitrotoluene	10.045	165	31879	5.833	ng	# 21
67) 4-Bromophenyl-phenylether	10.839	248	15586	3.130	ng	# 1
71) Phenanthrene	11.563	178	82438	3.615	ng	97
75) Fluoranthene	12.763	202	222135	8.911	ng	97
78) Pyrene	12.998	202	222477	5.465	ng	97
81) Benzo(a)anthracene	14.192	228	136157	4.064	ng	99
83) Chrysene	14.227	228	109187	3.485	ng	97
88) Benzo(b)fluoranthene	15.292	252	211052	7.123	ng	# 95
89) Benzo(k)fluoranthene	15.292	252	211052	7.278	ng	# 96
90) Benzo(a)pyrene	15.686	252	119503	4.309	ng	# 94
92) Benzo(g,h,i)perylene	17.839	276	52352	3.511	ng	# 95

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

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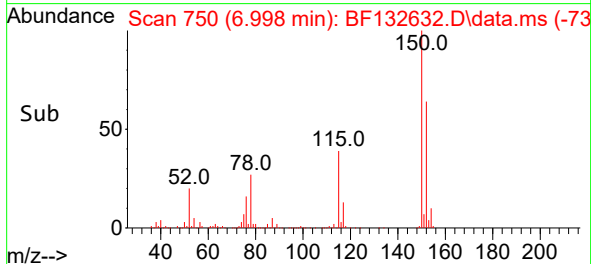
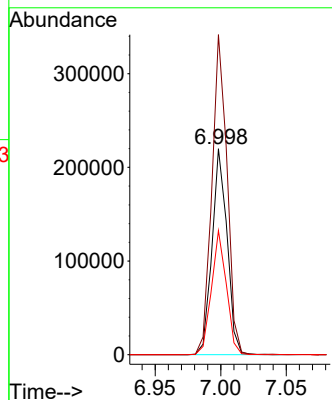
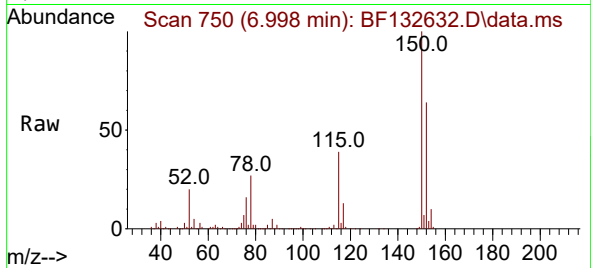




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.998 min Scan# 710
Delta R.T. -0.009 min
Lab File: BF132632.D
Acq: 03 Mar 2023 17:01

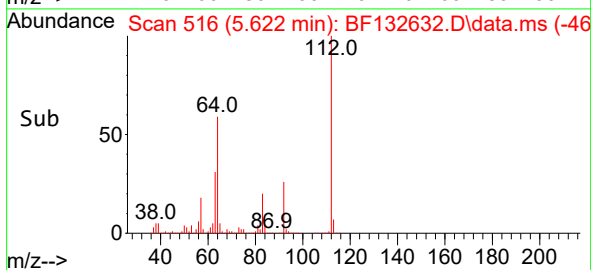
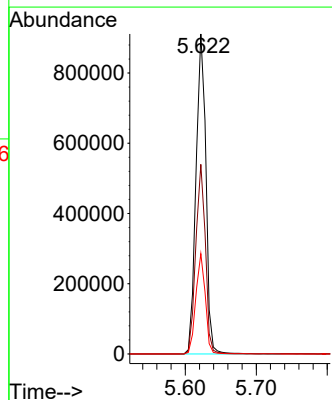
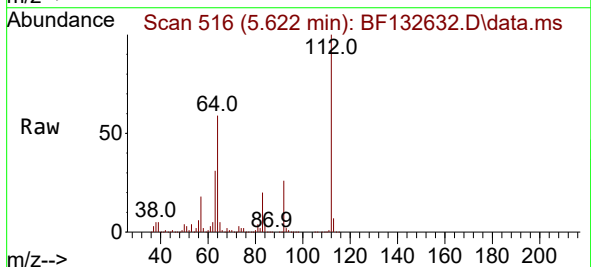
Instrument :
BNA_F
ClientSampleId :
CE-33-030123

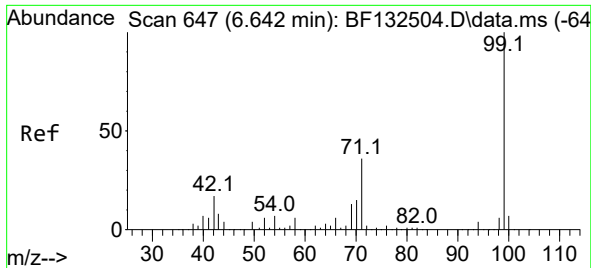
Tgt Ion:152 Resp: 175645
Ion Ratio Lower Upper
152 100
150 155.4 125.4 188.2
115 60.2 47.8 71.6



#5
2-Fluorophenol
Concen: 82.062 ng
RT: 5.622 min Scan# 516
Delta R.T. -0.009 min
Lab File: BF132632.D
Acq: 03 Mar 2023 17:01

Tgt Ion:112 Resp: 888107
Ion Ratio Lower Upper
112 100
64 59.3 51.6 77.4
63 31.4 27.4 41.2

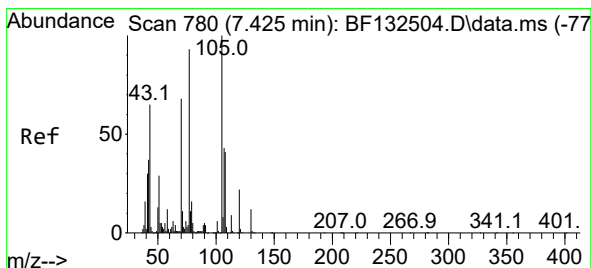
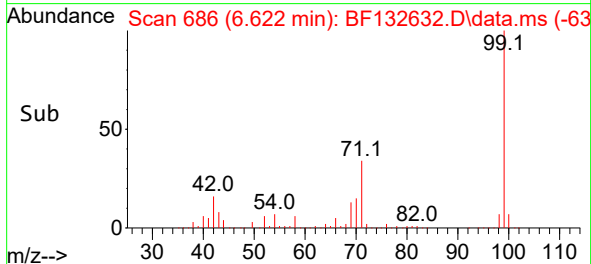
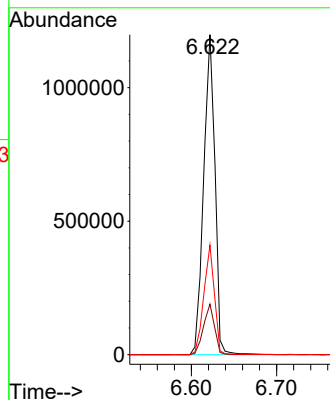
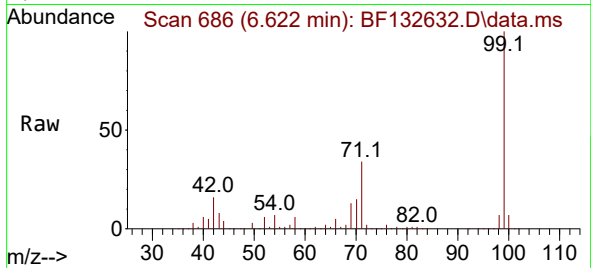




#7
Phenol-d6
Concen: 78.130 ng
RT: 6.622 min Scan# 61
Delta R.T. -0.015 min
Lab File: BF132632.D
Acq: 03 Mar 2023 17:01

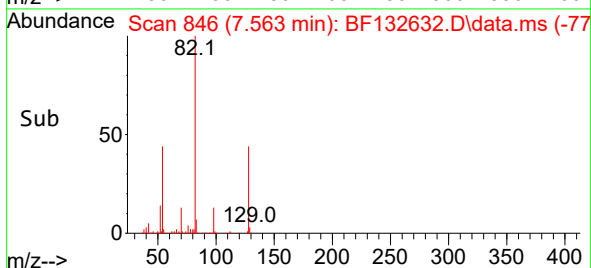
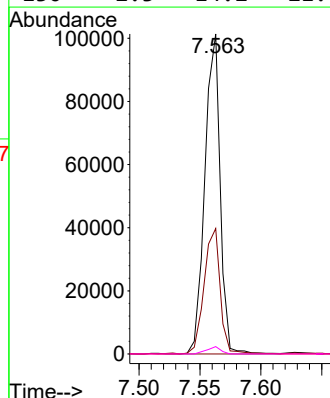
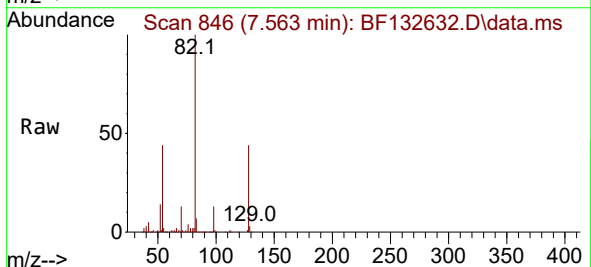
Instrument :
BNA_F
ClientSampleId :
CE-33-030123

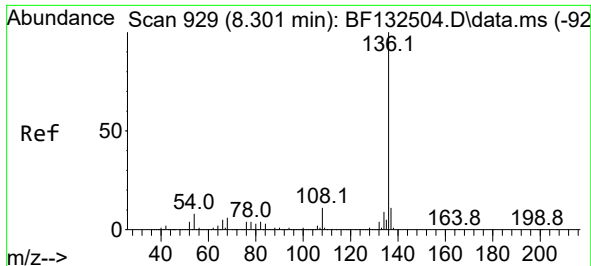
Tgt Ion: 99 Resp: 1103535
Ion Ratio Lower Upper
99 100
42 15.8 13.9 20.9
71 34.3 28.5 42.7



#19
n-Nitroso-di-n-propylamine
Concen: 10.168 ng
RT: 7.563 min Scan# 846
Delta R.T. 0.144 min
Lab File: BF132632.D
Acq: 03 Mar 2023 17:01

Tgt Ion: 70 Resp: 88387
Ion Ratio Lower Upper
70 100
42 39.2 44.1 66.1#
101 0.0 7.4 11.2#
130 2.3 14.2 21.4#

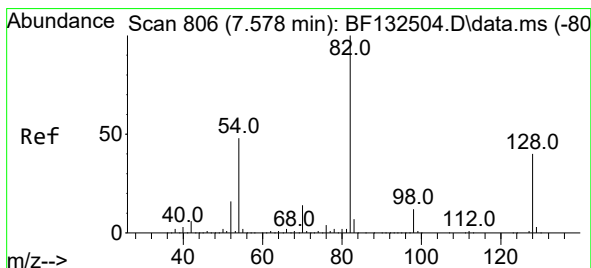
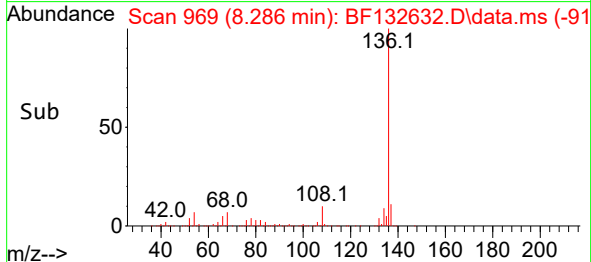
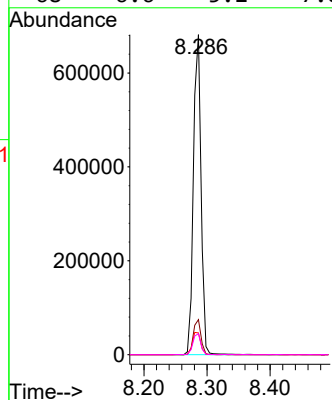
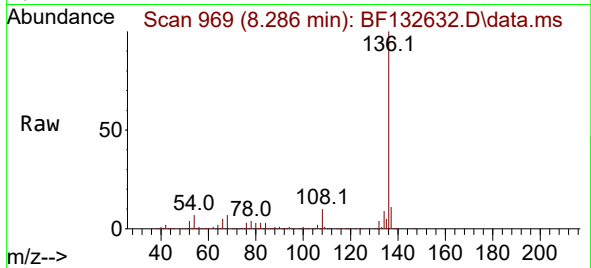




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.286 min Scan# 910
Delta R.T. -0.003 min
Lab File: BF132632.D
Acq: 03 Mar 2023 17:01

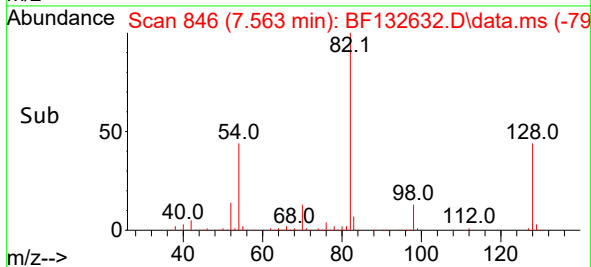
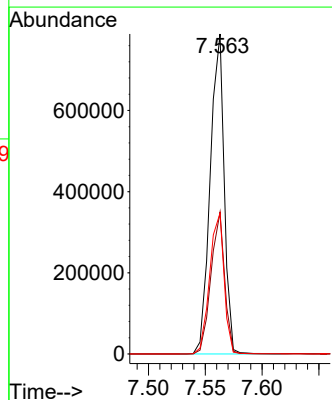
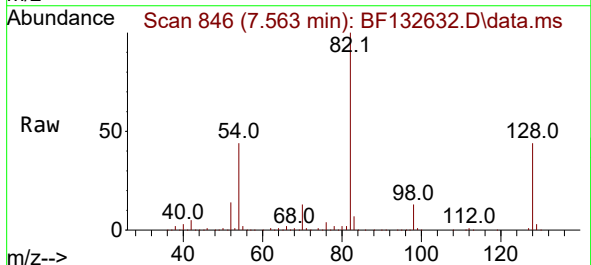
Instrument :
BNA_F
ClientSampleId :
CE-33-030123

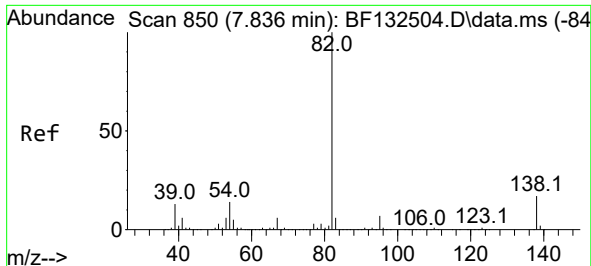
Tgt Ion:136 Resp: 571502
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 6.8 6.2 9.4
68 6.6 5.2 7.8



#23
Nitrobenzene-d5
Concen: 55.945 ng
RT: 7.563 min Scan# 846
Delta R.T. -0.009 min
Lab File: BF132632.D
Acq: 03 Mar 2023 17:01

Tgt Ion: 82 Resp: 673894
Ion Ratio Lower Upper
82 100
128 44.3 32.2 48.2
54 44.0 38.4 57.6

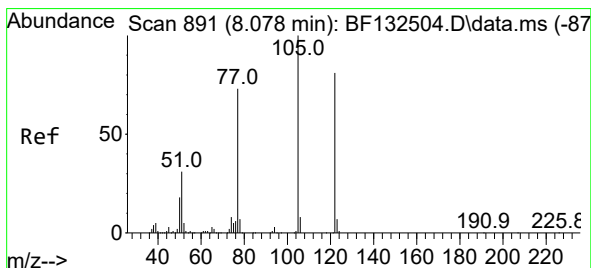
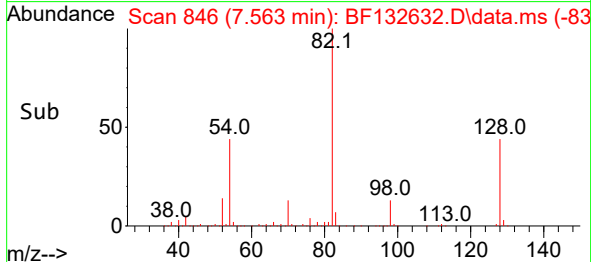
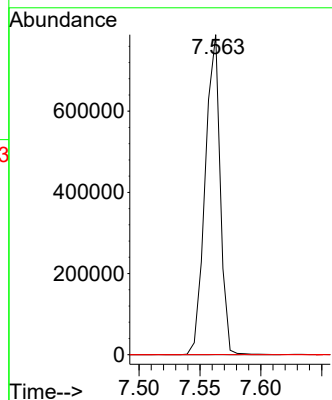
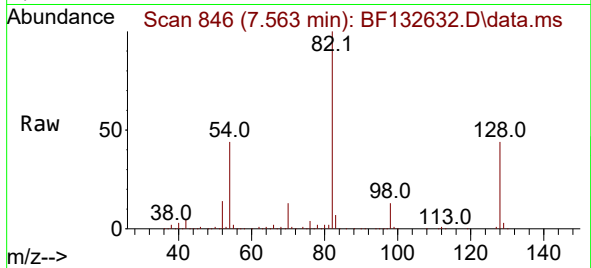




#25
Isophorone
Concen: 29.180 ng
RT: 7.563 min Scan# 84
Delta R.T. -0.262 min
Lab File: BF132632.D
Acq: 03 Mar 2023 17:01

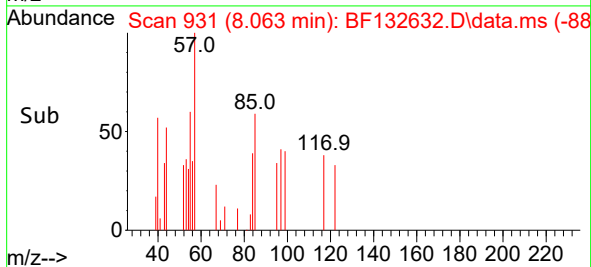
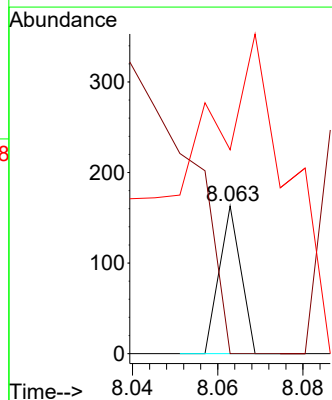
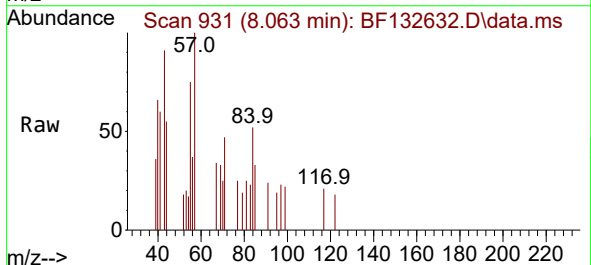
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ClientSampleId :
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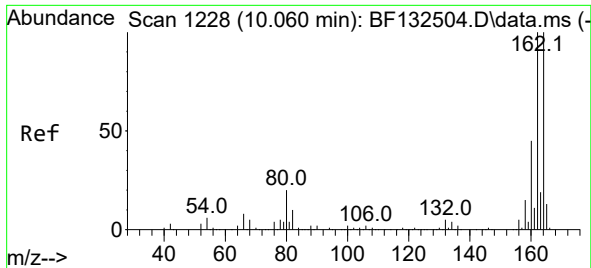
Tgt Ion: 82 Resp: 673885
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.3 19.9#



#32
Benzoic acid
Concen: 3.844 ng
RT: 8.063 min Scan# 931
Delta R.T. -0.003 min
Lab File: BF132632.D
Acq: 03 Mar 2023 17:01

Tgt Ion: 122 Resp: 58
Ion Ratio Lower Upper
122 100
105 0.0 102.6 142.6#
77 138.0 70.2 110.2#

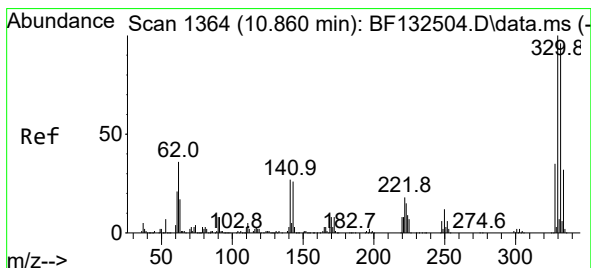
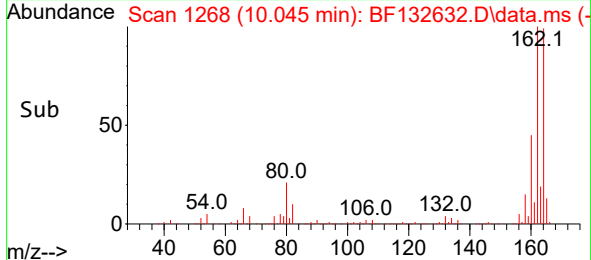
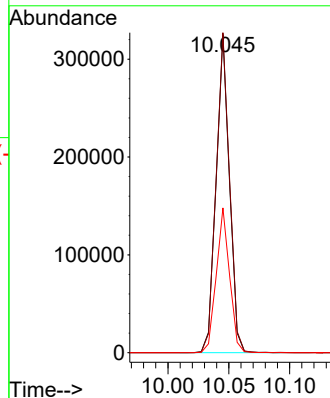
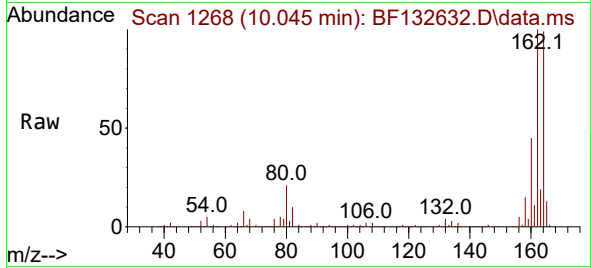




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.045 min Scan# 11
Delta R.T. -0.009 min
Lab File: BF132632.D
Acq: 03 Mar 2023 17:01

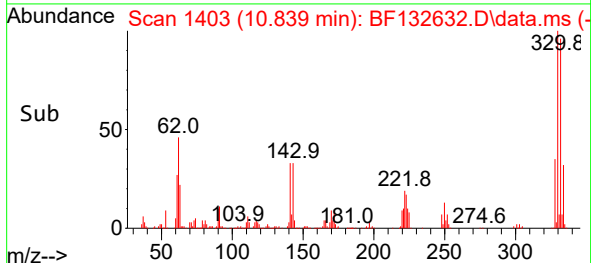
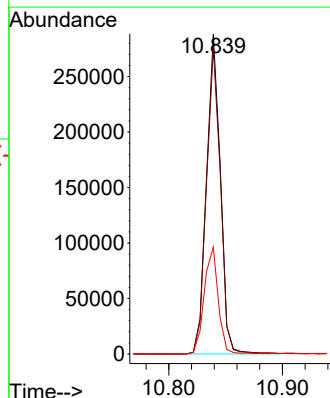
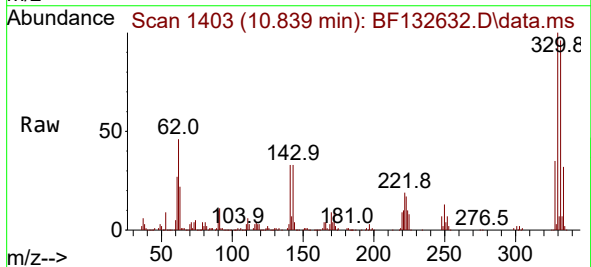
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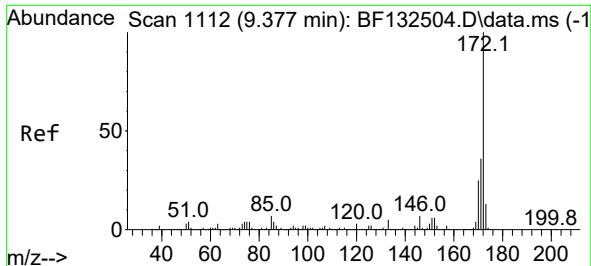
Tgt Ion:164 Resp: 247729
Ion Ratio Lower Upper
164 100
162 100.5 79.8 119.8
160 45.5 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 91.402 ng
RT: 10.839 min Scan# 1403
Delta R.T. -0.009 min
Lab File: BF132632.D
Acq: 03 Mar 2023 17:01

Tgt Ion:330 Resp: 244535
Ion Ratio Lower Upper
330 100
332 96.1 76.2 114.4
141 33.9 28.4 42.6

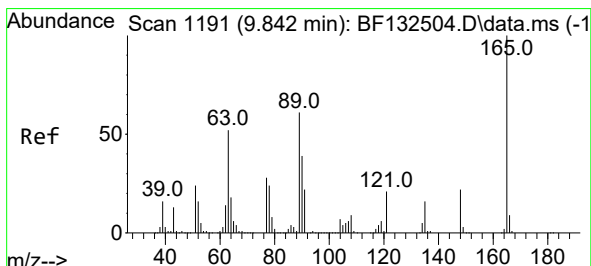
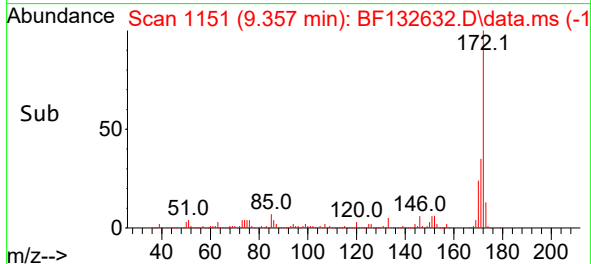
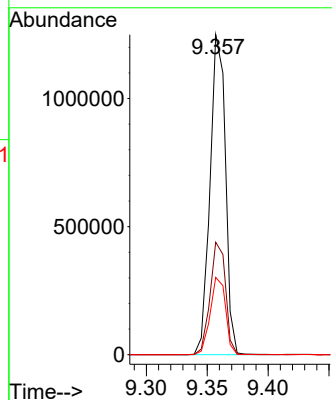
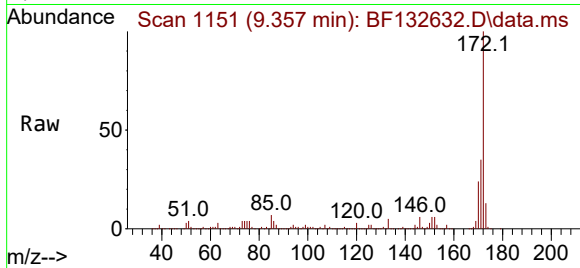




#45
2-Fluorobiphenyl
Concen: 67.473 ng
RT: 9.357 min Scan# 1112
Delta R.T. -0.015 min
Lab File: BF132632.D
Acq: 03 Mar 2023 17:01

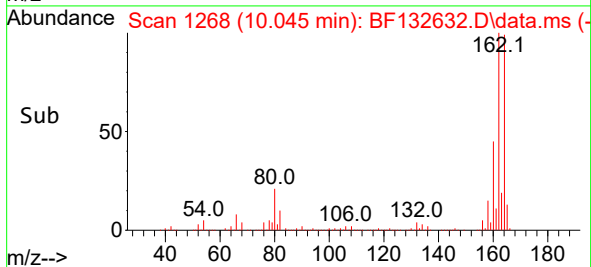
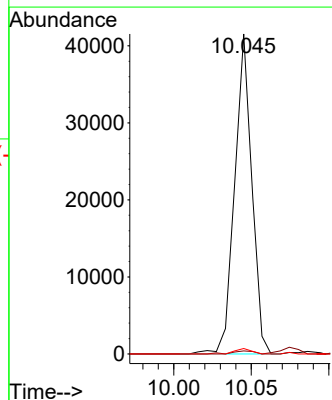
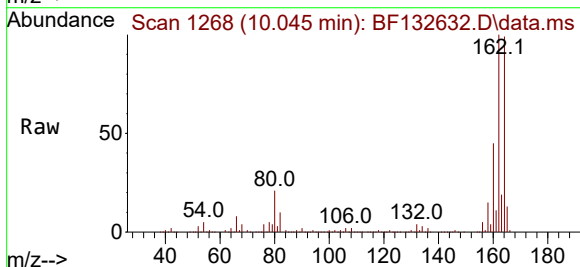
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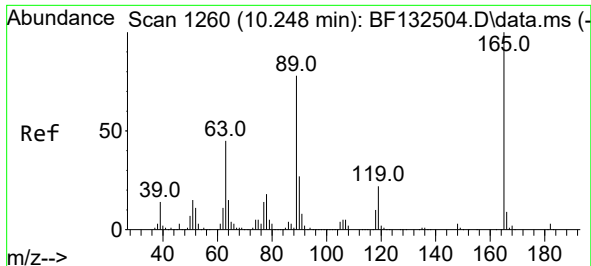
Tgt Ion:172 Resp: 1097745
Ion Ratio Lower Upper
172 100
171 35.1 28.8 43.2
170 24.2 19.7 29.5



#51
2,6-Dinitrotoluene
Concen: 7.760 ng
RT: 10.045 min Scan# 1268
Delta R.T. 0.209 min
Lab File: BF132632.D
Acq: 03 Mar 2023 17:01

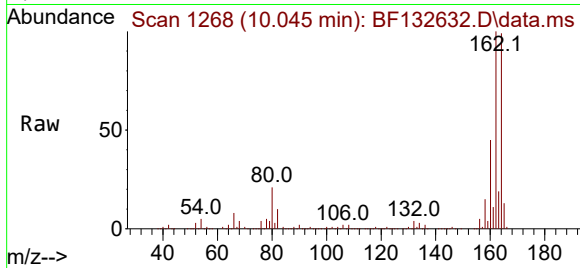
Tgt Ion:165 Resp: 31879
Ion Ratio Lower Upper
165 100
63 0.9 47.3 70.9#
89 1.7 48.9 73.3#



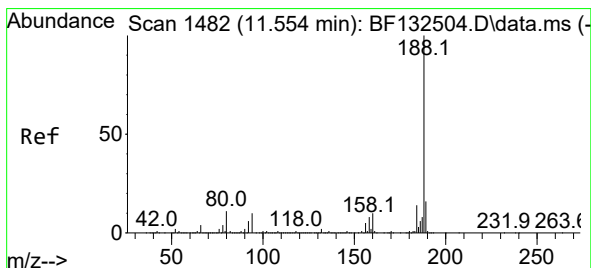
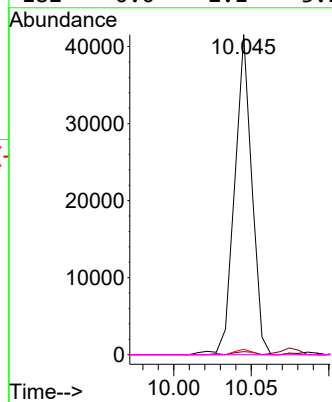
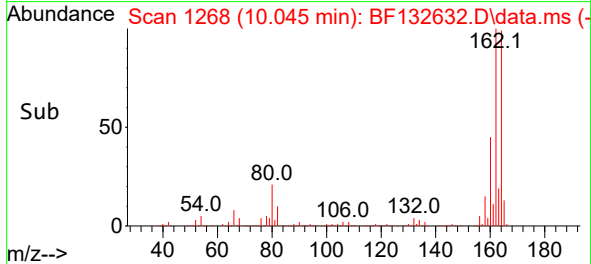


#57
2,4-Dinitrotoluene
Concen: 5.833 ng
RT: 10.045 min Scan# 11
Delta R.T. -0.197 min
Lab File: BF132632.D
Acq: 03 Mar 2023 17:01

Instrument :
BNA_F
ClientSampleId :
CE-33-030123

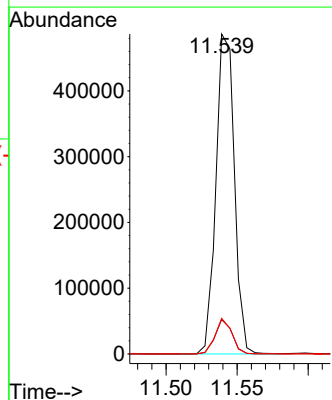
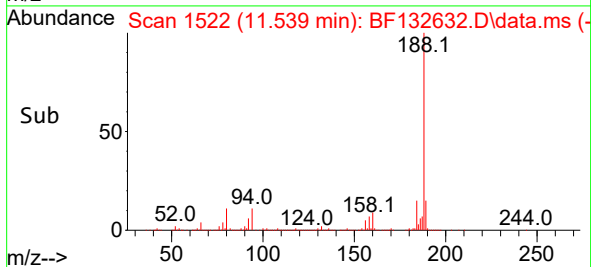
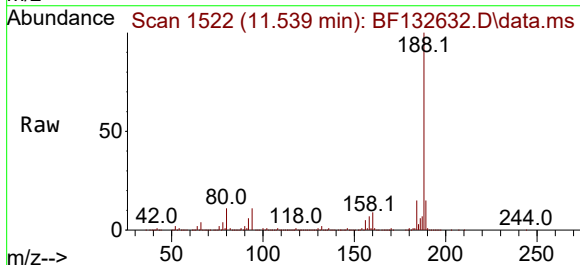


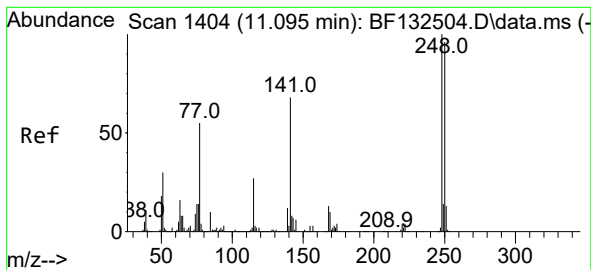
Tgt Ion:165 Resp: 31879
Ion Ratio Lower Upper
165 100
63 0.9 36.5 54.7#
89 1.7 62.4 93.6#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.539 min Scan# 1522
Delta R.T. -0.009 min
Lab File: BF132632.D
Acq: 03 Mar 2023 17:01

Tgt Ion:188 Resp: 440159
Ion Ratio Lower Upper
188 100
94 10.7 8.3 12.5
80 11.2 8.7 13.1

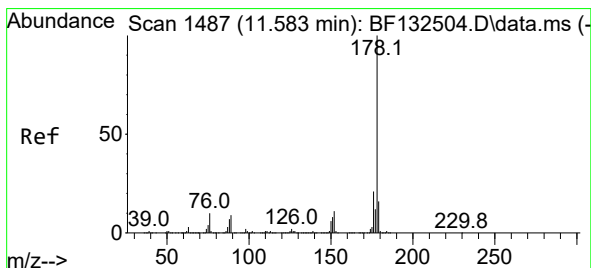
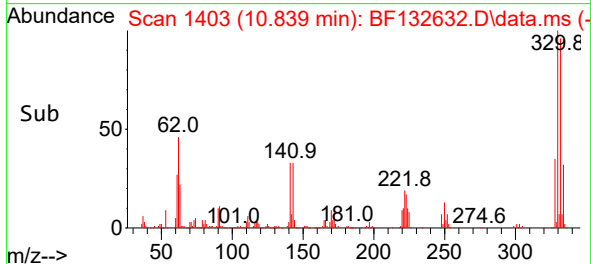
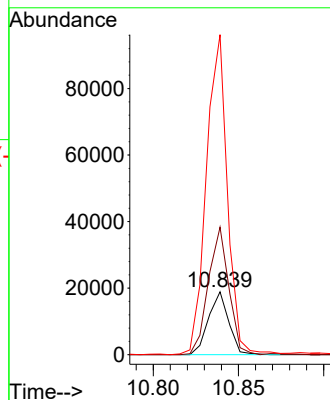
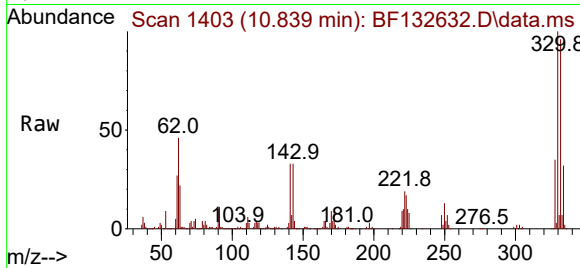




#67
4-Bromophenyl-phenylether
Concen: 3.130 ng
RT: 10.839 min Scan# 14
Delta R.T. -0.250 min
Lab File: BF132632.D
Acq: 03 Mar 2023 17:01

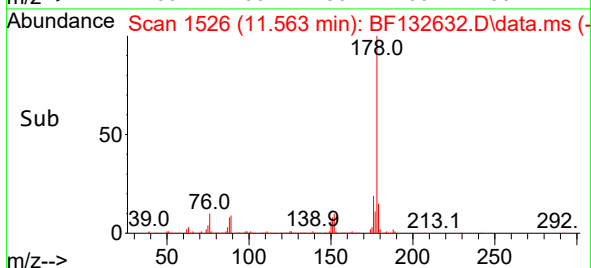
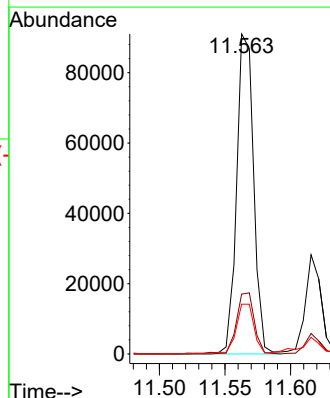
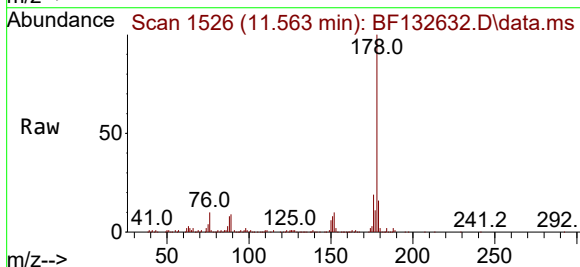
Instrument :
BNA_F
ClientSampleId :
CE-33-030123

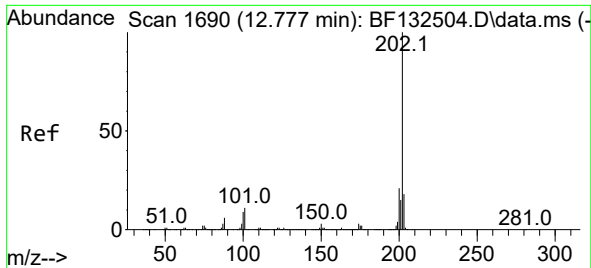
Tgt Ion:248 Resp: 15586
Ion Ratio Lower Upper
248 100
250 202.9 77.0 115.4#
141 509.2 54.2 81.2#



#71
Phenanthrene
Concen: 3.615 ng
RT: 11.563 min Scan# 1526
Delta R.T. -0.015 min
Lab File: BF132632.D
Acq: 03 Mar 2023 17:01

Tgt Ion:178 Resp: 82438
Ion Ratio Lower Upper
178 100
176 18.7 16.5 24.7
179 15.5 13.0 19.6

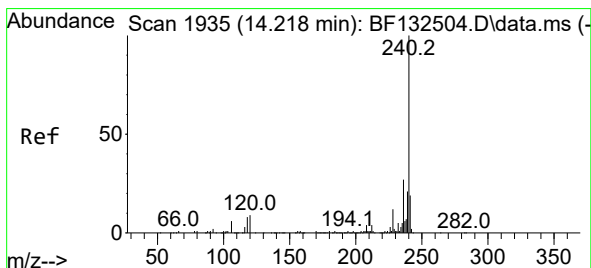
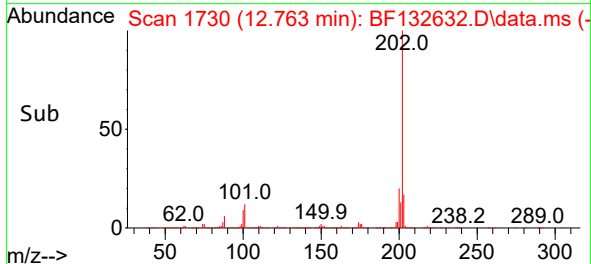
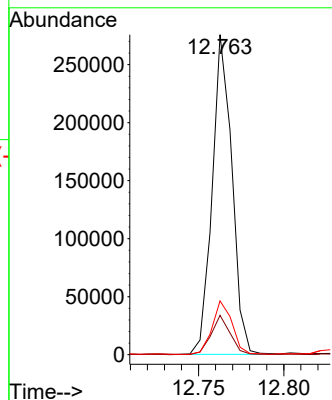
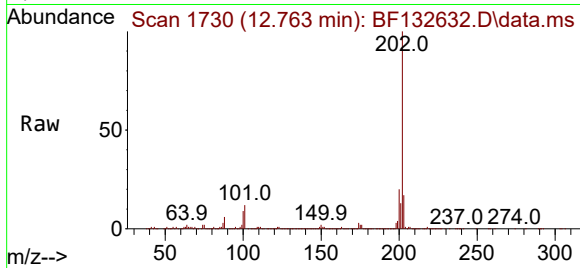




#75
Fluoranthene
Concen: 8.911 ng
RT: 12.763 min Scan# 11
Delta R.T. -0.009 min
Lab File: BF132632.D
Acq: 03 Mar 2023 17:01

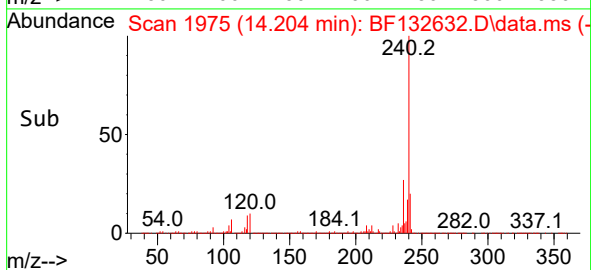
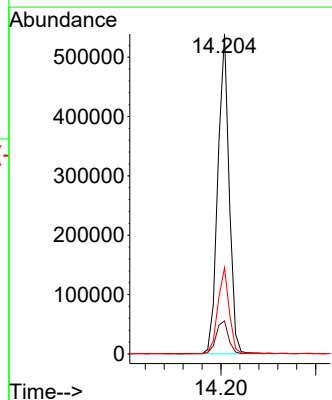
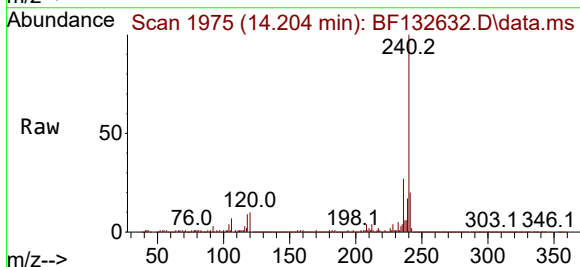
Instrument :
BNA_F
ClientSampleId :
CE-33-030123

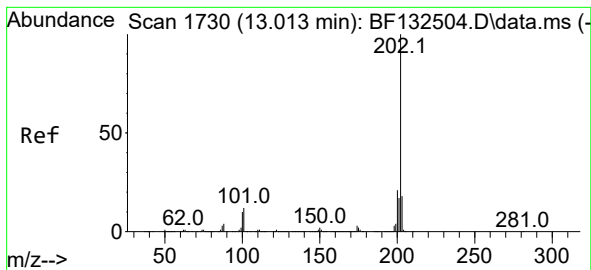
Tgt Ion:202 Resp: 222135
Ion Ratio Lower Upper
202 100
101 12.3 0.0 31.4
203 16.8 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.204 min Scan# 1975
Delta R.T. -0.003 min
Lab File: BF132632.D
Acq: 03 Mar 2023 17:01

Tgt Ion:240 Resp: 447765
Ion Ratio Lower Upper
240 100
120 10.3 7.2 10.8
236 26.9 21.8 32.6





#78

Pyrene

Concen: 5.465 ng

RT: 12.998 min Scan# 1770

Delta R.T. -0.003 min

Lab File: BF132632.D

Acq: 03 Mar 2023 17:01

Instrument :

BNA_F

ClientSampleId :

CE-33-030123

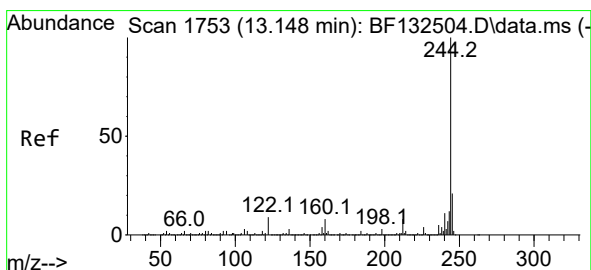
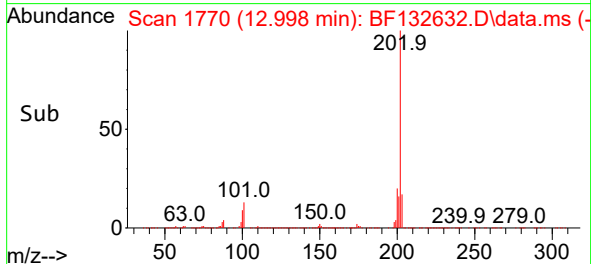
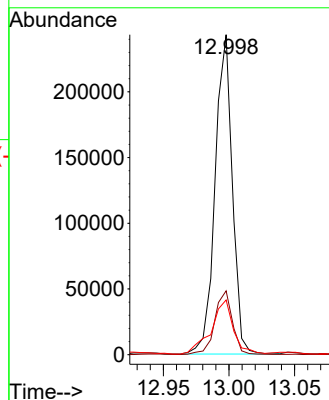
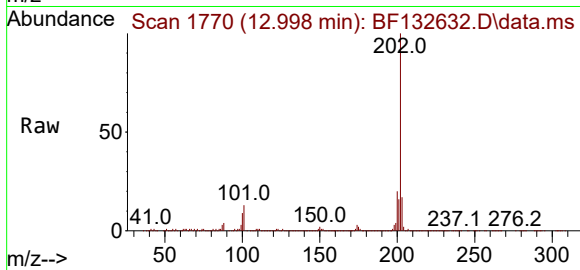
Tgt Ion:202 Resp: 222477

Ion Ratio Lower Upper

202 100

200 19.9 17.1 25.7

203 17.1 14.6 21.8



#79

Terphenyl-d14

Concen: 51.832 ng

RT: 13.133 min Scan# 1793

Delta R.T. -0.009 min

Lab File: BF132632.D

Acq: 03 Mar 2023 17:01

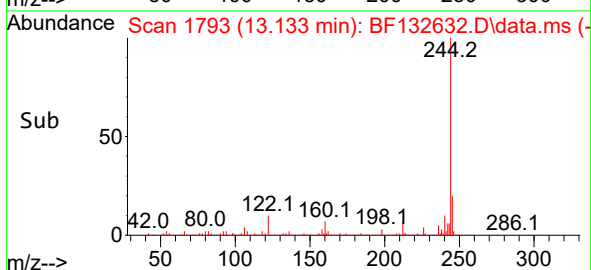
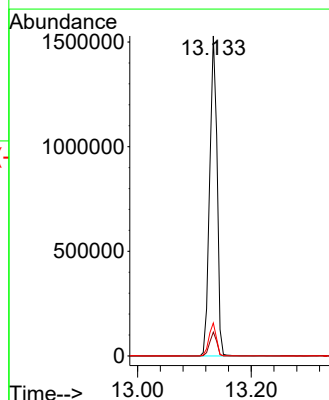
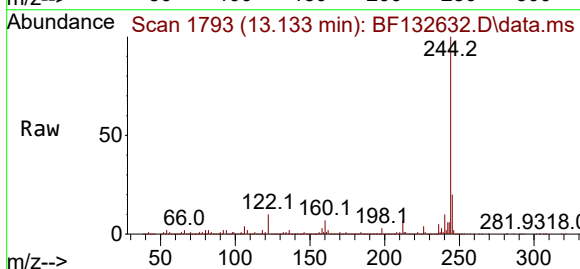
Tgt Ion:244 Resp: 1372687

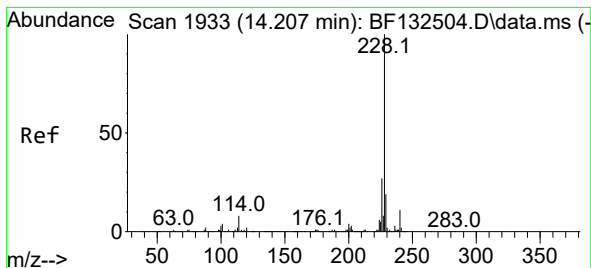
Ion Ratio Lower Upper

244 100

212 7.5 6.5 9.7

122 10.3 7.5 11.3





#81

Benzo(a)anthracene

Concen: 4.064 ng

RT: 14.192 min Scan# 1973

Delta R.T. -0.003 min

Lab File: BF132632.D

Acq: 03 Mar 2023 17:01

Instrument :

BNA_F

ClientSampleId :

CE-33-030123

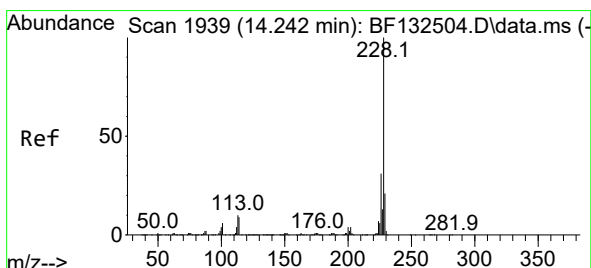
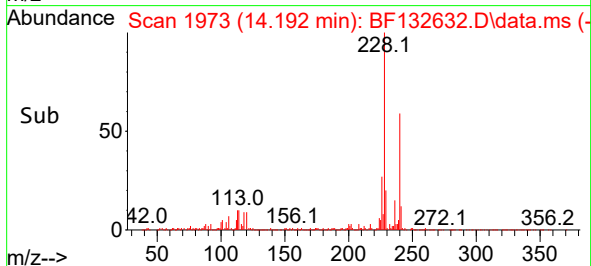
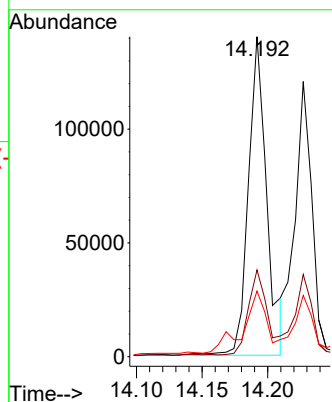
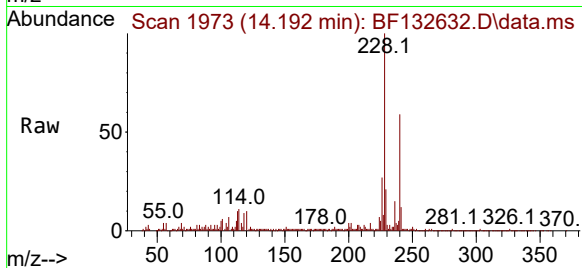
Tgt Ion:228 Resp: 136157

Ion Ratio Lower Upper

228 100

226 27.1 21.7 32.5

229 20.5 15.4 23.2



#83

Chrysene

Concen: 3.485 ng

RT: 14.227 min Scan# 1979

Delta R.T. -0.009 min

Lab File: BF132632.D

Acq: 03 Mar 2023 17:01

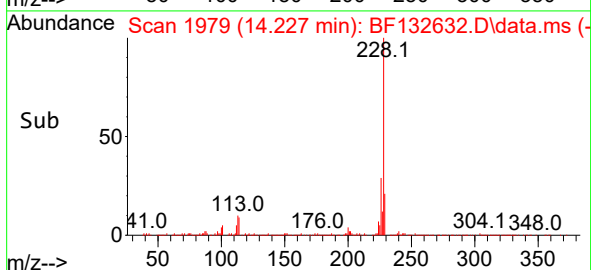
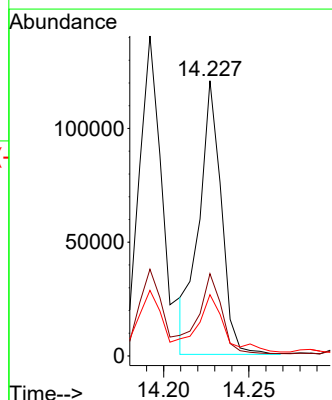
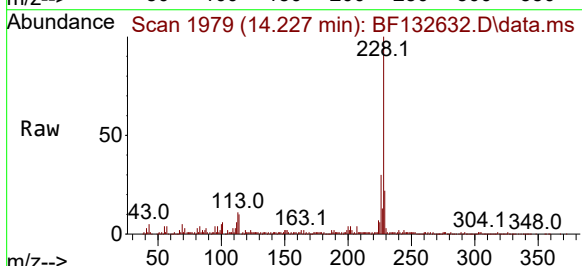
Tgt Ion:228 Resp: 109187

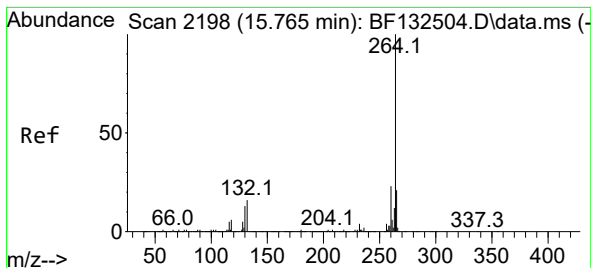
Ion Ratio Lower Upper

228 100

226 29.9 25.0 37.6

229 22.3 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: BF132632.D

Acq: 03 Mar 2023 17:01

Instrument :

BNA_F

ClientSampleId :

CE-33-030123

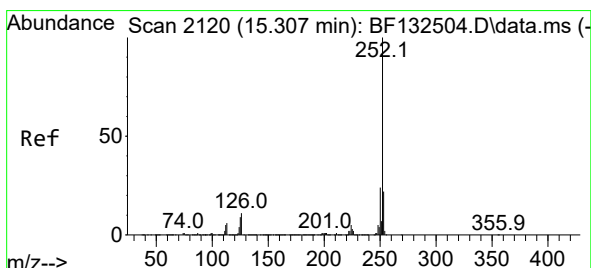
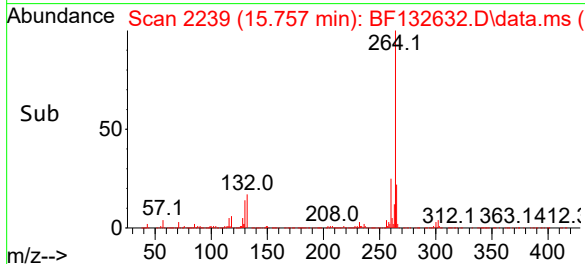
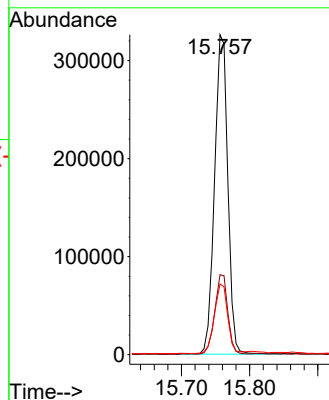
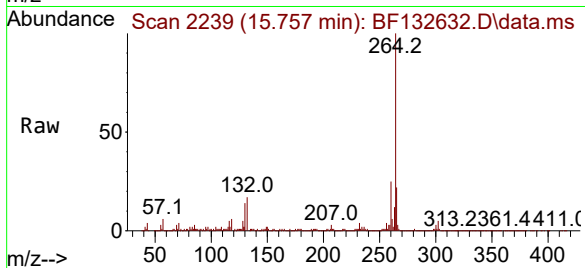
Tgt Ion:264 Resp: 442123

Ion Ratio Lower Upper

264 100

260 25.0 18.8 28.2

265 22.1 17.1 25.7



#88

Benzo(b)fluoranthene

Concen: 7.123 ng

RT: 15.292 min Scan# 2160

Delta R.T. -0.003 min

Lab File: BF132632.D

Acq: 03 Mar 2023 17:01

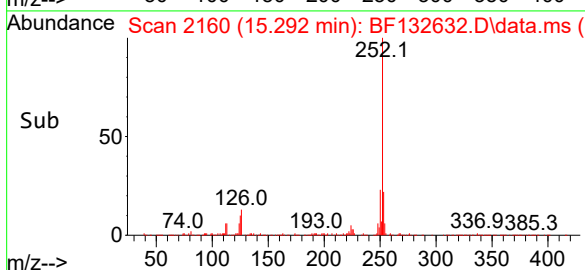
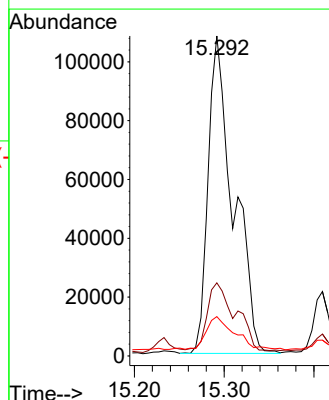
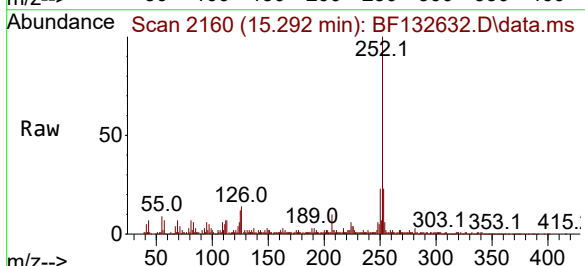
Tgt Ion:252 Resp: 211052

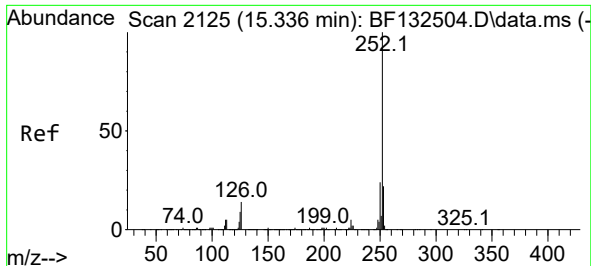
Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.0

125 12.3 7.0 10.6#

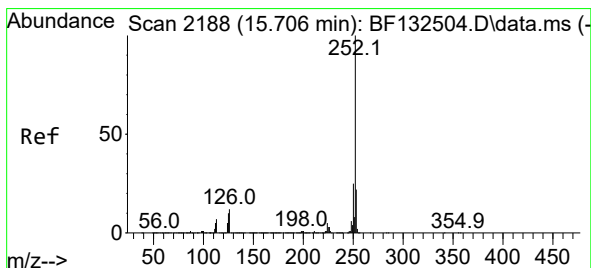
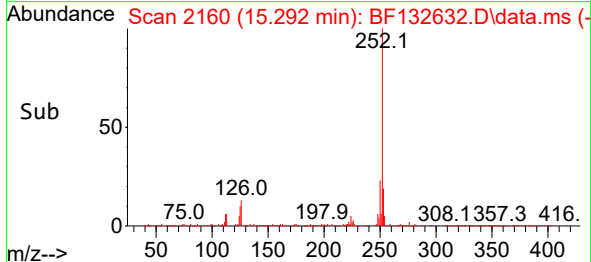
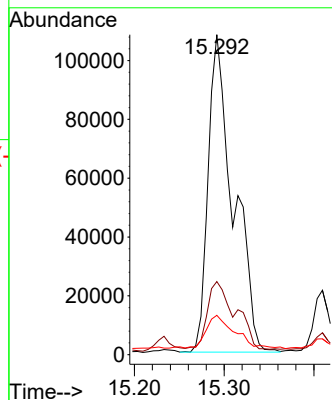
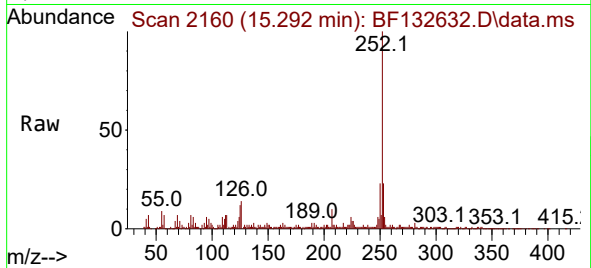




#89
Benzo(k)fluoranthene
Concen: 7.278 ng
RT: 15.292 min Scan# 2110
Delta R.T. -0.032 min
Lab File: BF132632.D
Acq: 03 Mar 2023 17:01

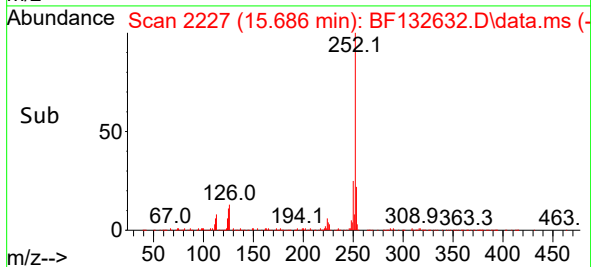
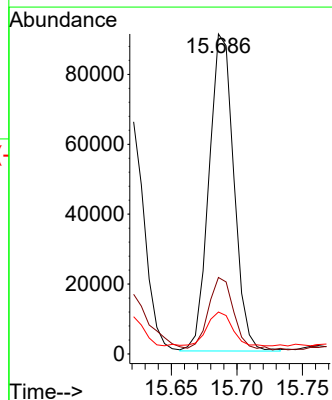
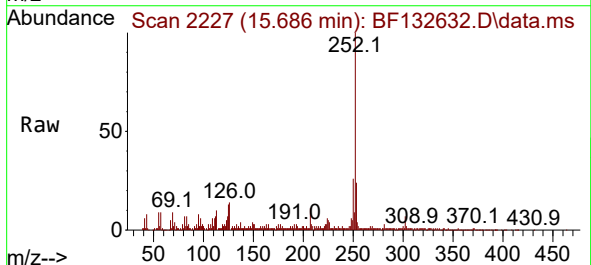
Instrument :
BNA_F
ClientSampleId :
CE-33-030123

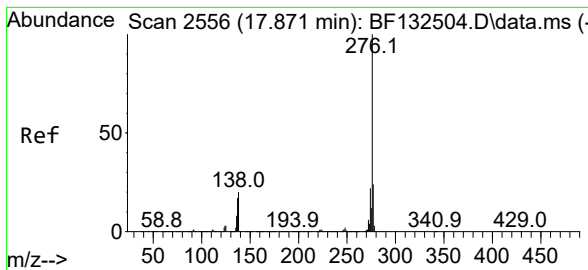
Tgt Ion:252 Resp: 211052
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 12.3 7.2 10.8#



#90
Benzo(a)pyrene
Concen: 4.309 ng
RT: 15.686 min Scan# 2227
Delta R.T. -0.003 min
Lab File: BF132632.D
Acq: 03 Mar 2023 17:01

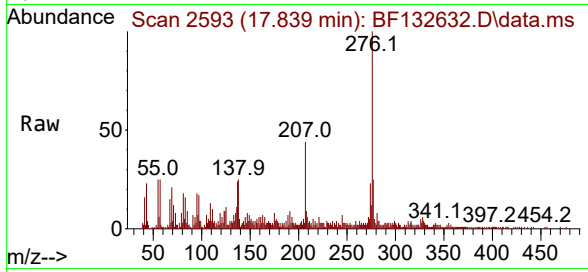
Tgt Ion:252 Resp: 119503
Ion Ratio Lower Upper
252 100
253 23.9 17.2 25.8
125 13.1 8.0 12.0#





#92
 Benzo(g,h,i)perylene
 Concen: 3.511 ng
 RT: 17.839 min Scan# 21
 Delta R.T. -0.015 min
 Lab File: BF132632.D
 Acq: 03 Mar 2023 17:01

Instrument :
 BNA_F
 ClientSampleId :
 CE-33-030123



Tgt Ion: 276 Resp: 52352

Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.9	28.3
138	24.6	16.2	24.4#

