

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030623\
 Data File : BF132665.D
 Acq On : 06 Mar 2023 23:54
 Operator : CG\JU
 Sample : 01767-03DL 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CE-45-030123DL

Quant Time: Mar 07 03:24:02 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)

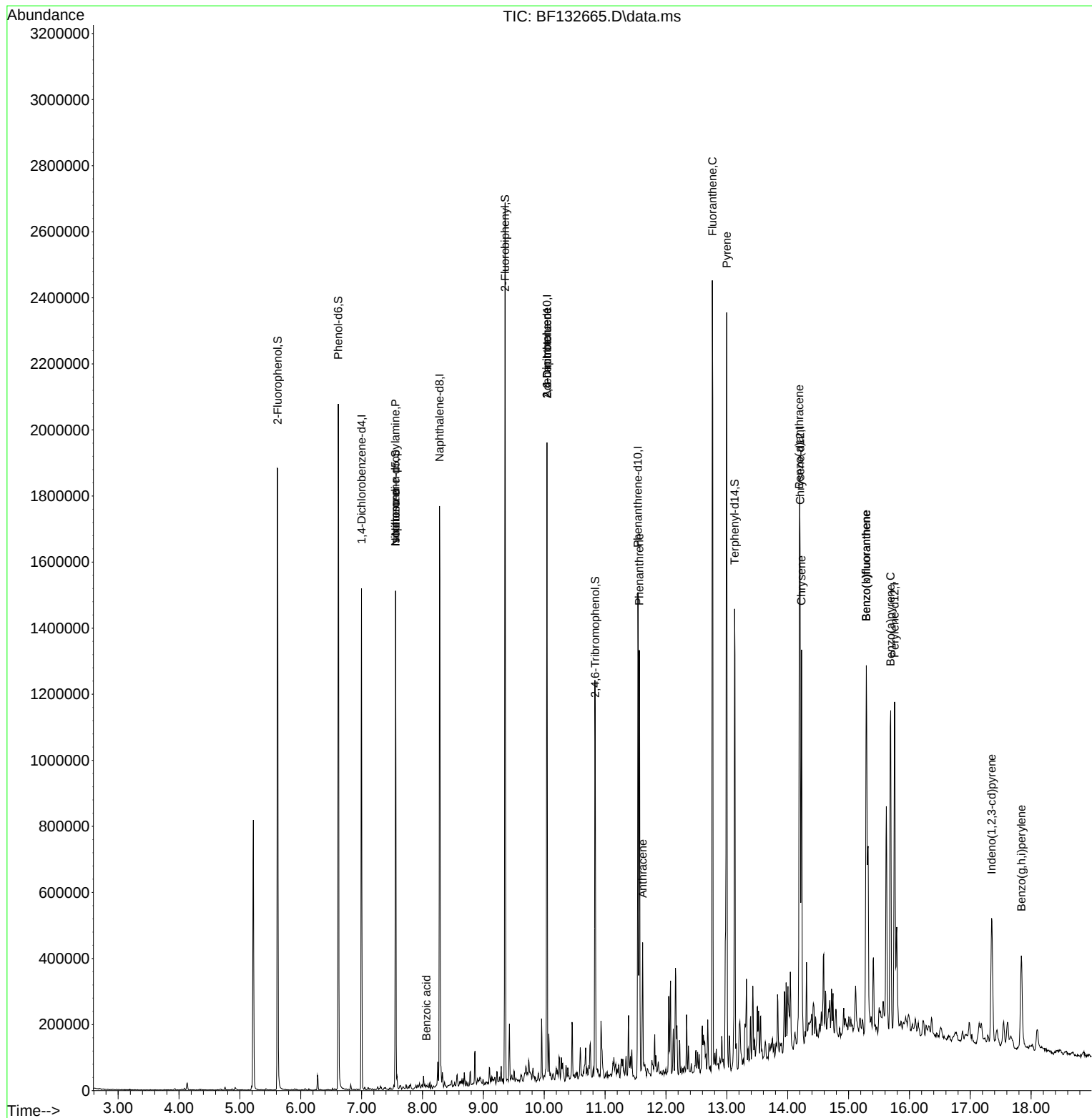
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.998	152	213337	20.000	ng	0.00
21) Naphthalene-d8	8.281	136	760719	20.000	ng	0.00
39) Acenaphthene-d10	10.045	164	364623	20.000	ng	0.00
64) Phenanthrene-d10	11.539	188	553455	20.000	ng	0.00
76) Chrysene-d12	14.204	240	386477	20.000	ng	# 0.00
86) Perylene-d12	15.757	264	486770	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.622	112	586195	44.595	ng	0.00
7) Phenol-d6	6.616	99	729555	42.527	ng	-0.02
23) Nitrobenzene-d5	7.557	82	443965	27.689	ng	-0.01
42) 2,4,6-Tribromophenol	10.839	330	136820	34.746	ng	0.00
45) 2-Fluorobiphenyl	9.357	172	722937	30.190	ng	-0.01
79) Terphenyl-d14	13.127	244	492318	21.538	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.557	70	57304	5.428	ng	# 76
25) Isophorone	7.557	82	442976	14.410	ng	# 67
32) Benzoic acid	8.063	122	55	3.841	ng	# 1
51) 2,6-Dinitrotoluene	10.045	165	48830	8.076	ng	# 22
57) 2,4-Dinitrotoluene	10.045	165	48830	6.070	ng	# 21
71) Phenanthrene	11.563	178	475495	16.584	ng	98
72) Anthracene	11.616	178	140589	4.762	ng	99
75) Fluoranthene	12.763	202	960172	30.633	ng	100
78) Pyrene	12.998	202	930492	26.481	ng	98
81) Benzo(a)anthracene	14.192	228	547562	18.936	ng	99
83) Chrysene	14.227	228	440080	16.275	ng	97
87) Indeno(1,2,3-cd)pyrene	17.351	276	268120	8.406	ng	97
88) Benzo(b)fluoranthene	15.292	252	906018	27.774	ng	97
89) Benzo(k)fluoranthene	15.292	252	906018	28.379	ng	97
90) Benzo(a)pyrene	15.692	252	531079	17.395	ng	98
92) Benzo(g,h,i)perylene	17.839	276	244595	9.663	ng	98

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

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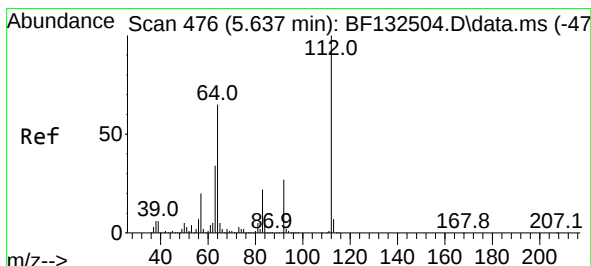
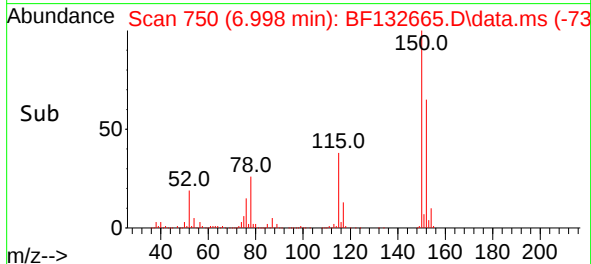
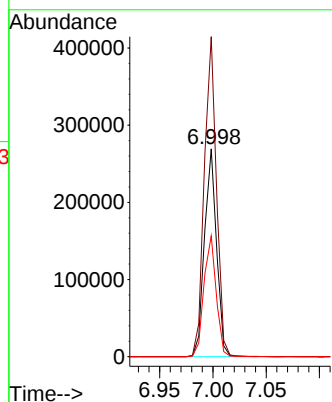
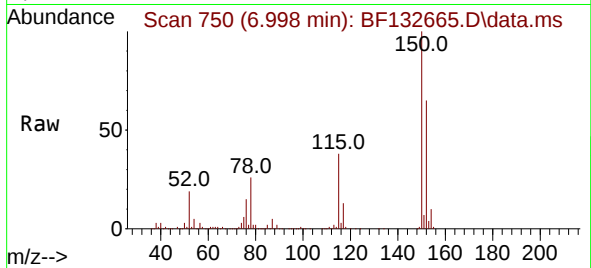




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.998 min Scan# 710
Delta R.T. -0.009 min
Lab File: BF132665.D
Acq: 06 Mar 2023 23:54

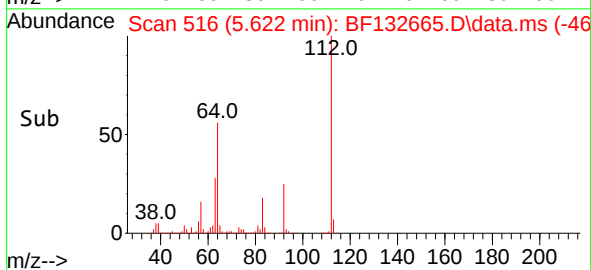
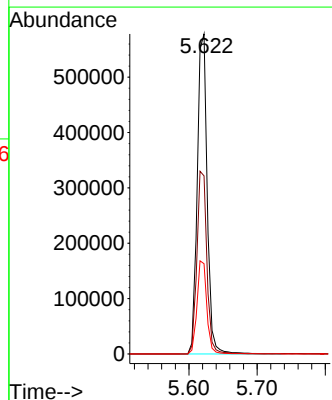
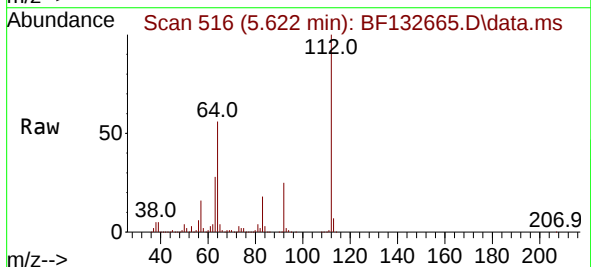
Instrument :
BNA_F
ClientSampleId :
CE-45-030123DL

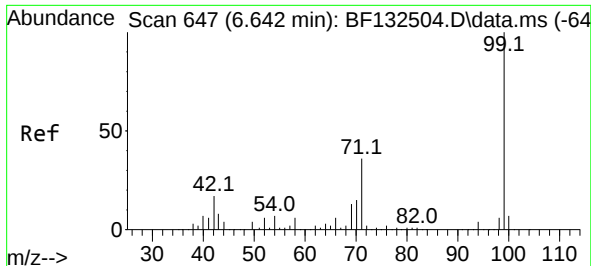
Tgt Ion:152 Resp: 213337
Ion Ratio Lower Upper
152 100
150 153.9 125.4 188.2
115 58.1 47.8 71.6



#5
2-Fluorophenol
Concen: 44.595 ng
RT: 5.622 min Scan# 516
Delta R.T. -0.009 min
Lab File: BF132665.D
Acq: 06 Mar 2023 23:54

Tgt Ion:112 Resp: 586195
Ion Ratio Lower Upper
112 100
64 55.7 51.6 77.4
63 28.2 27.4 41.2

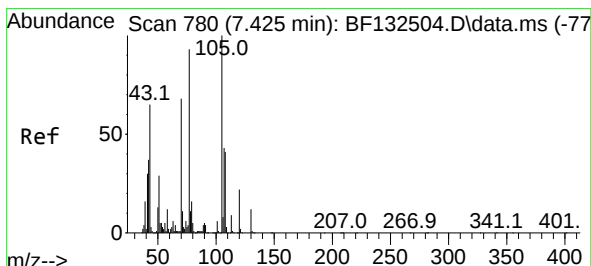
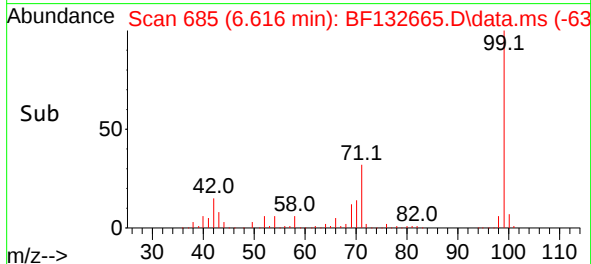
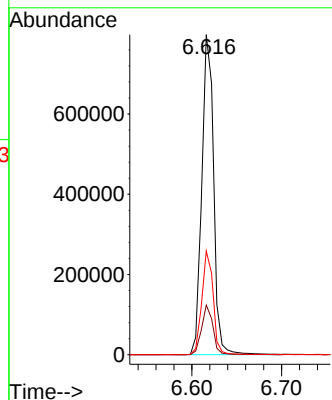
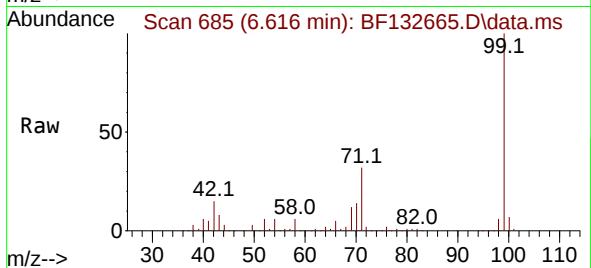




#7
Phenol-d6
Concen: 42.527 ng
RT: 6.616 min Scan# 61
Delta R.T. -0.020 min
Lab File: BF132665.D
Acq: 06 Mar 2023 23:54

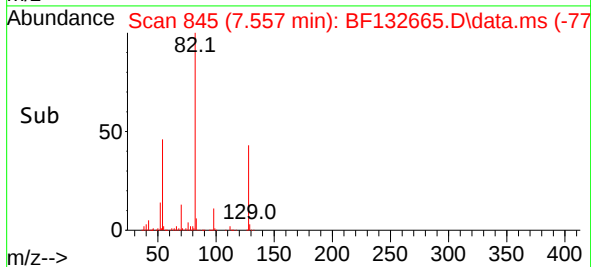
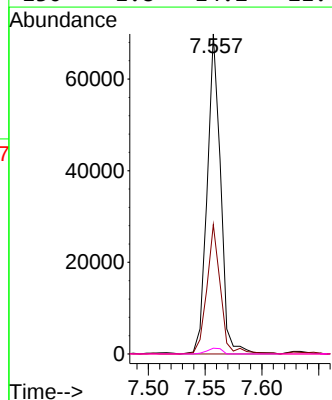
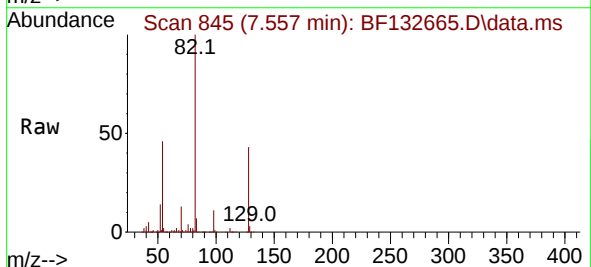
Instrument :
BNA_F
ClientSampleId :
CE-45-030123DL

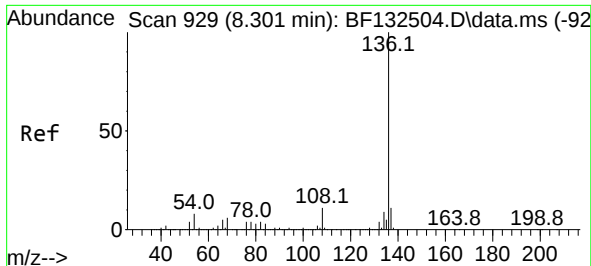
Tgt Ion: 99 Resp: 729555
Ion Ratio Lower Upper
99 100
42 15.5 13.9 20.9
71 32.4 28.5 42.7



#19
n-Nitroso-di-n-propylamine
Concen: 5.428 ng
RT: 7.557 min Scan# 845
Delta R.T. 0.138 min
Lab File: BF132665.D
Acq: 06 Mar 2023 23:54

Tgt Ion: 70 Resp: 57304
Ion Ratio Lower Upper
70 100
42 40.4 44.1 66.1#
101 0.0 7.4 11.2#
130 1.8 14.2 21.4#

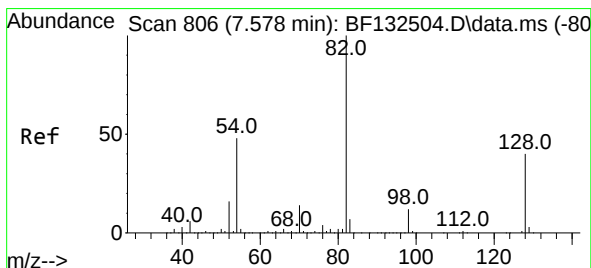
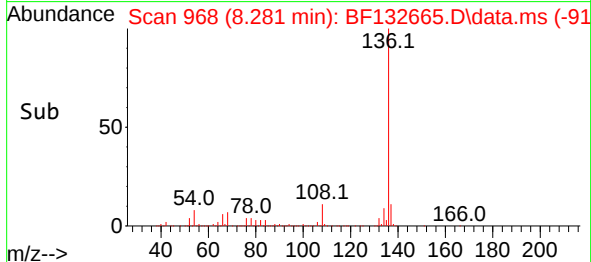
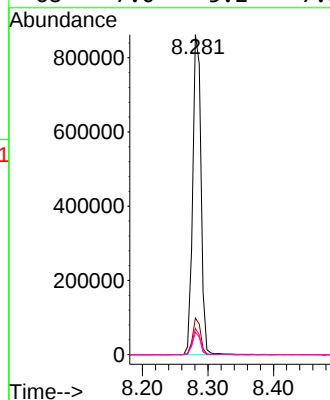
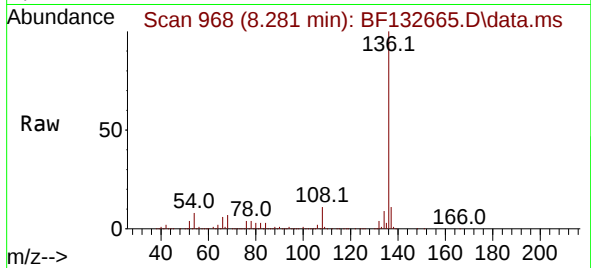




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.281 min Scan# 91
Delta R.T. -0.009 min
Lab File: BF132665.D
Acq: 06 Mar 2023 23:54

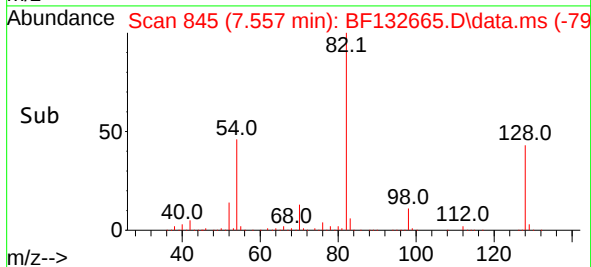
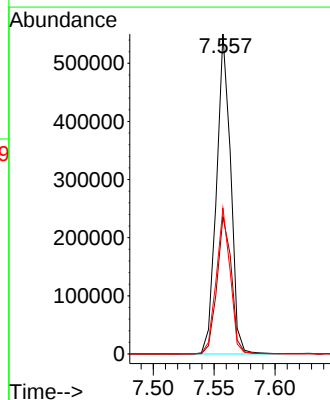
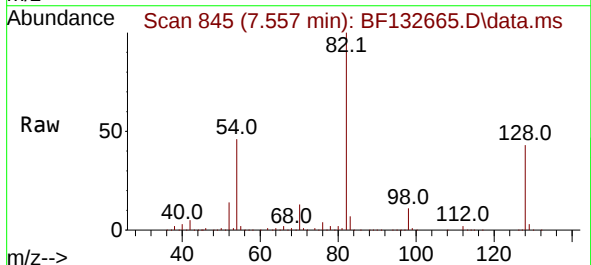
Instrument :
BNA_F
ClientSampleId :
CE-45-030123DL

Tgt Ion:136 Resp: 760719
Ion Ratio Lower Upper
136 100
137 11.5 8.9 13.3
54 8.2 6.2 9.4
68 7.0 5.2 7.8



#23
Nitrobenzene-d5
Concen: 27.689 ng
RT: 7.557 min Scan# 845
Delta R.T. -0.015 min
Lab File: BF132665.D
Acq: 06 Mar 2023 23:54

Tgt Ion: 82 Resp: 443965
Ion Ratio Lower Upper
82 100
128 42.9 32.2 48.2
54 45.6 38.4 57.6

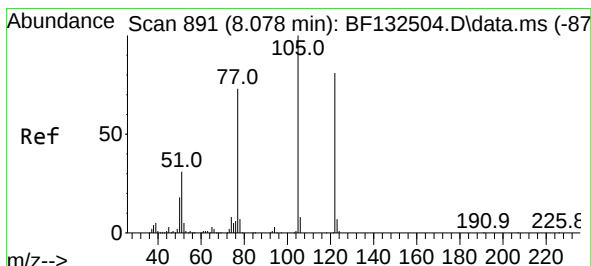
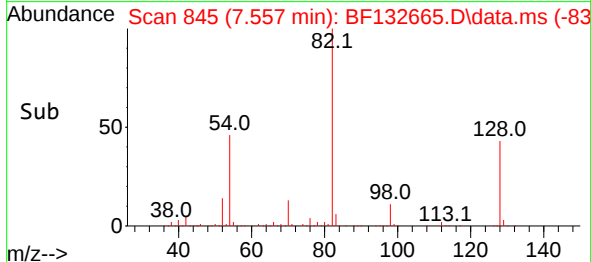
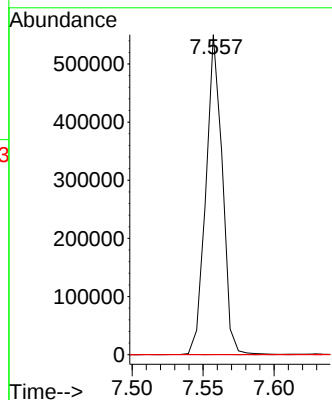
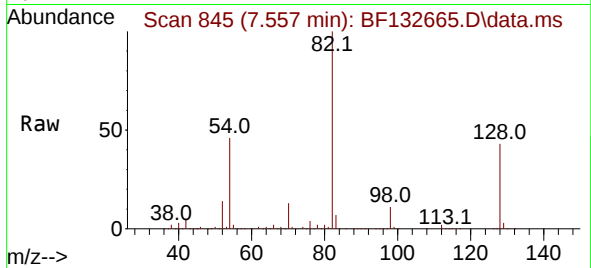




#25
Isophorone
Concen: 14.410 ng
RT: 7.557 min Scan# 84
Delta R.T. -0.267 min
Lab File: BF132665.D
Acq: 06 Mar 2023 23:54

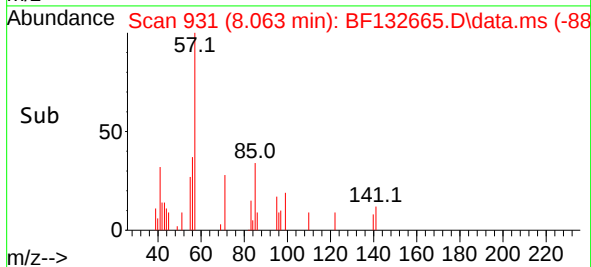
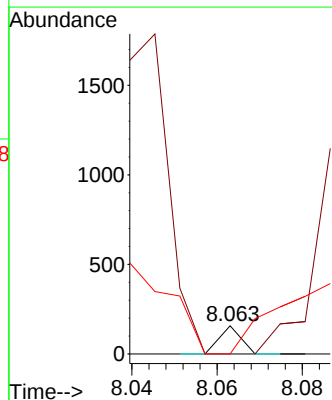
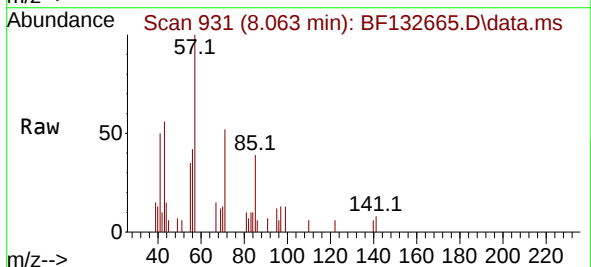
Instrument :
BNA_F
ClientSampleId :
CE-45-030123DL

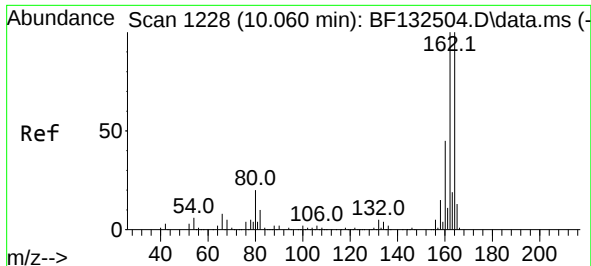
Tgt Ion: 82 Resp: 442976
Ion Ratio Lower Upper
82 100
95 0.1 5.7 8.5#
138 0.0 13.3 19.9#



#32
Benzoic acid
Concen: 3.841 ng
RT: 8.063 min Scan# 931
Delta R.T. -0.003 min
Lab File: BF132665.D
Acq: 06 Mar 2023 23:54

Tgt Ion: 122 Resp: 55
Ion Ratio Lower Upper
122 100
105 0.0 102.6 142.6#
77 0.0 70.2 110.2#

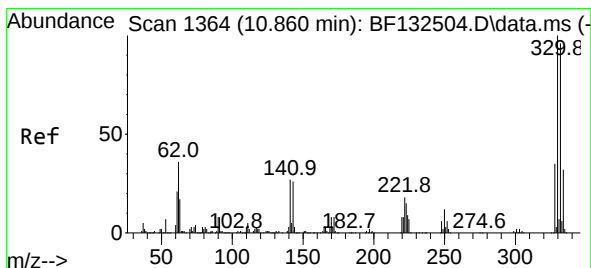
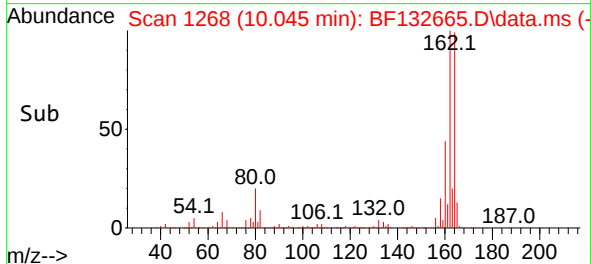
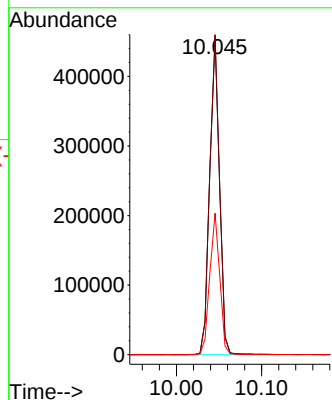
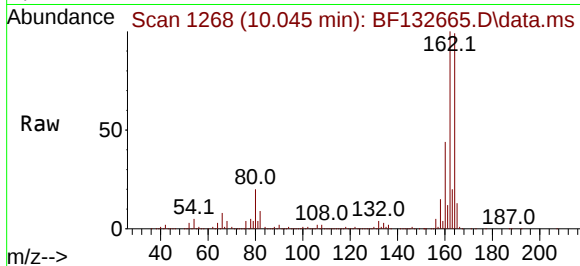




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.045 min Scan# 11
Delta R.T. -0.009 min
Lab File: BF132665.D
Acq: 06 Mar 2023 23:54

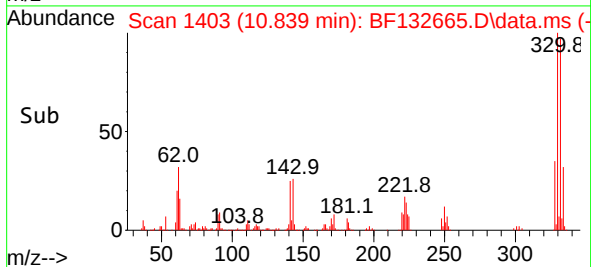
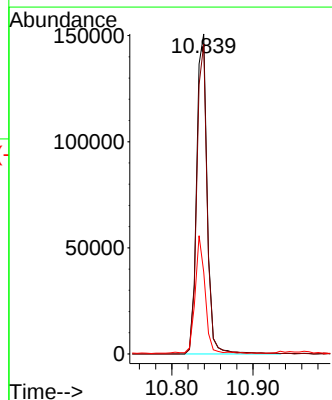
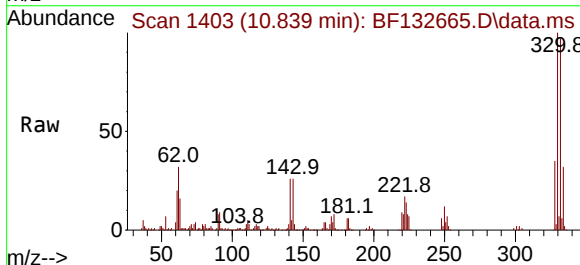
Instrument :
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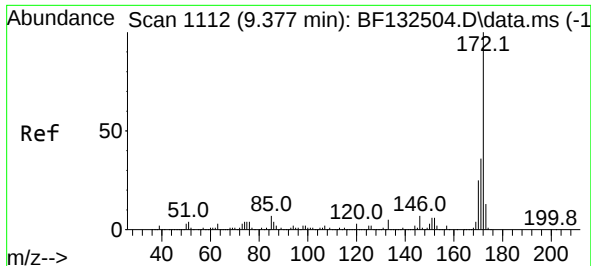
Tgt Ion:164 Resp: 364623
Ion Ratio Lower Upper
164 100
162 101.2 79.8 119.8
160 44.7 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 34.746 ng
RT: 10.839 min Scan# 1403
Delta R.T. -0.009 min
Lab File: BF132665.D
Acq: 06 Mar 2023 23:54

Tgt Ion:330 Resp: 136820
Ion Ratio Lower Upper
330 100
332 95.5 76.2 114.4
141 35.1 28.4 42.6





#45

2-Fluorobiphenyl

Concen: 30.190 ng

RT: 9.357 min Scan# 1112

Delta R.T. -0.015 min

Lab File: BF132665.D

Acq: 06 Mar 2023 23:54

Instrument :

BNA_F

ClientSampleId :

CE-45-030123DL

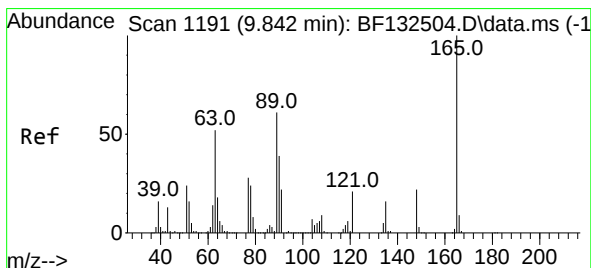
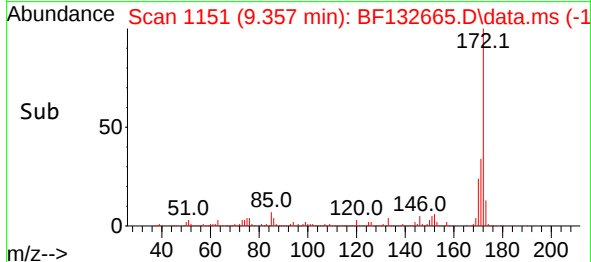
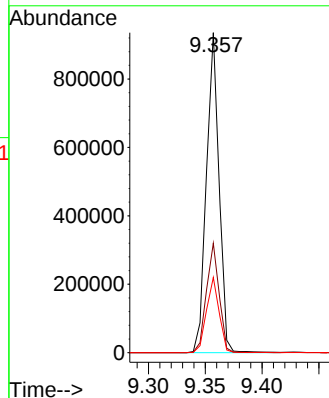
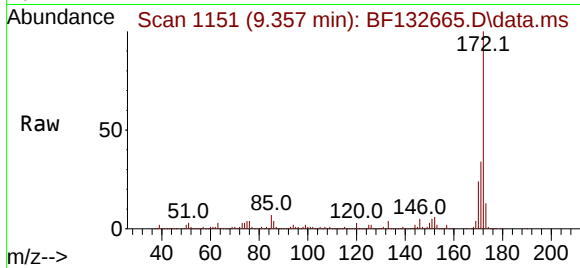
Tgt Ion:172 Resp: 722937

Ion Ratio Lower Upper

172 100

171 34.2 28.8 43.2

170 23.5 19.7 29.5



#51

2,6-Dinitrotoluene

Concen: 8.076 ng

RT: 10.045 min Scan# 1268

Delta R.T. 0.209 min

Lab File: BF132665.D

Acq: 06 Mar 2023 23:54

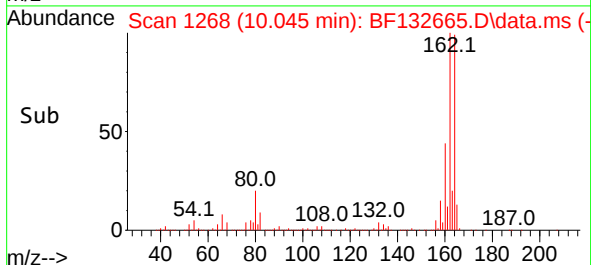
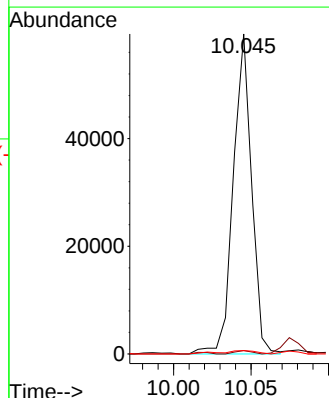
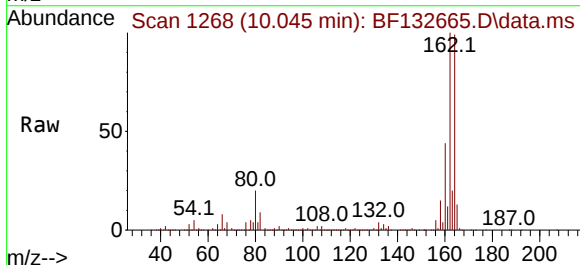
Tgt Ion:165 Resp: 48830

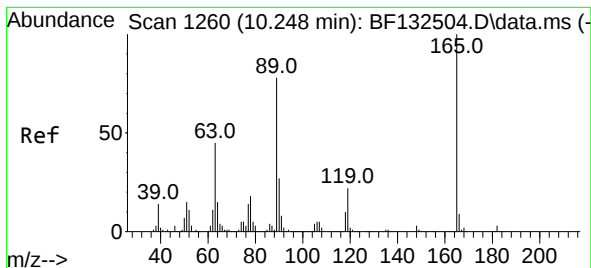
Ion Ratio Lower Upper

165 100

63 1.0 47.3 70.9#

89 1.1 48.9 73.3#

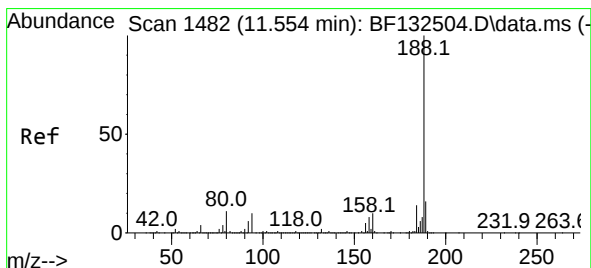
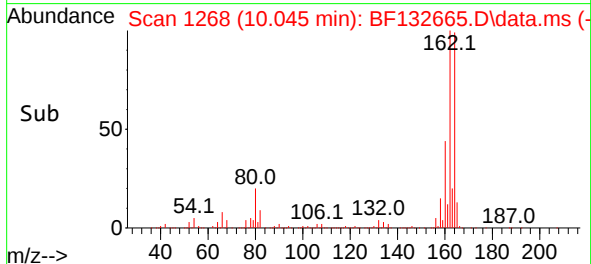
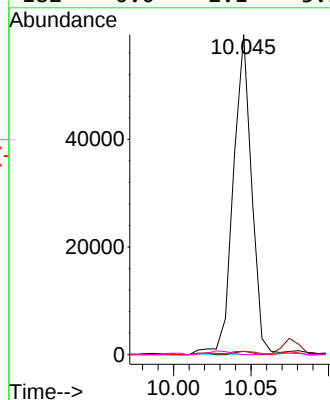
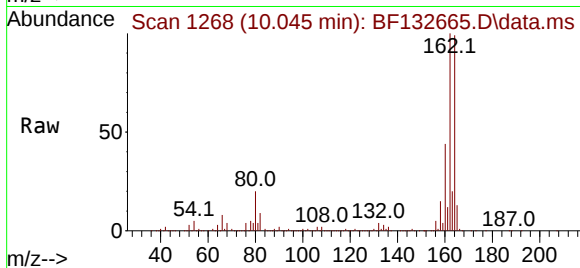




#57
2,4-Dinitrotoluene
Concen: 6.070 ng
RT: 10.045 min Scan# 11
Delta R.T. -0.197 min
Lab File: BF132665.D
Acq: 06 Mar 2023 23:54

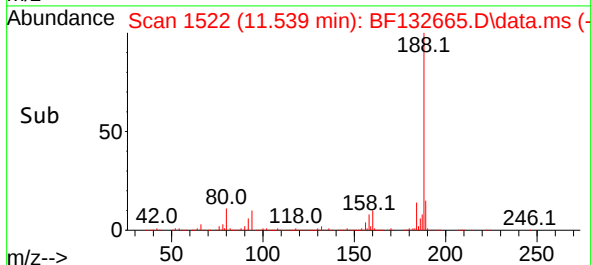
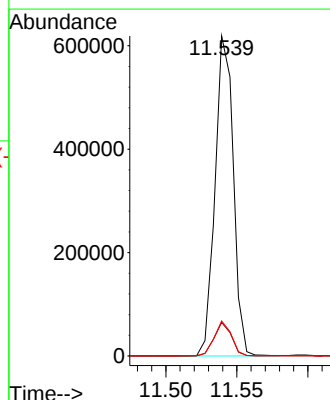
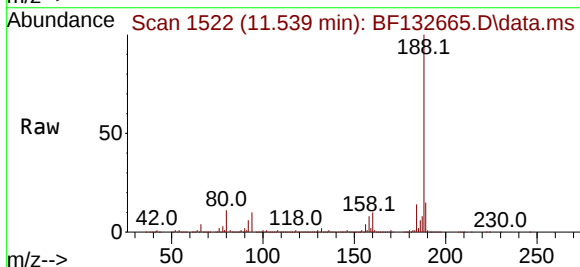
Instrument :
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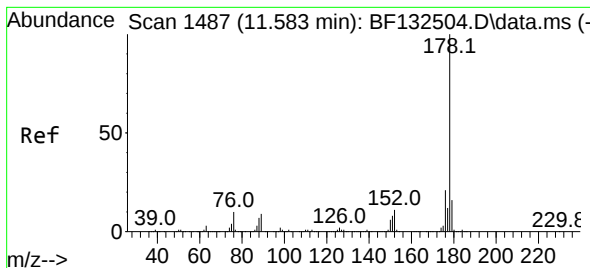
Tgt Ion:165 Resp: 48830
Ion Ratio Lower Upper
165 100
63 1.0 36.5 54.7#
89 1.1 62.4 93.6#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.539 min Scan# 1522
Delta R.T. -0.009 min
Lab File: BF132665.D
Acq: 06 Mar 2023 23:54

Tgt Ion:188 Resp: 553455
Ion Ratio Lower Upper
188 100
94 10.4 8.3 12.5
80 10.9 8.7 13.1





#71

Phenanthrene

Concen: 16.584 ng

RT: 11.563 min Scan# 11

Delta R.T. -0.015 min

Lab File: BF132665.D

Acq: 06 Mar 2023 23:54

Instrument :

BNA_F

ClientSampleId :

CE-45-030123DL

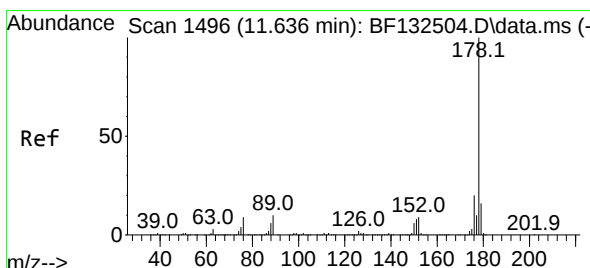
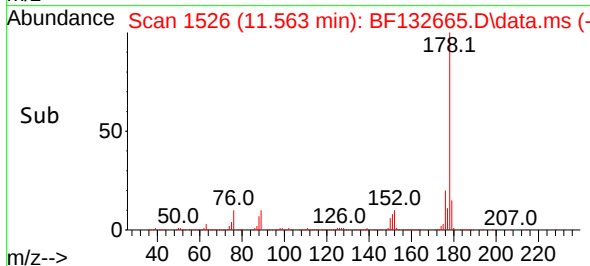
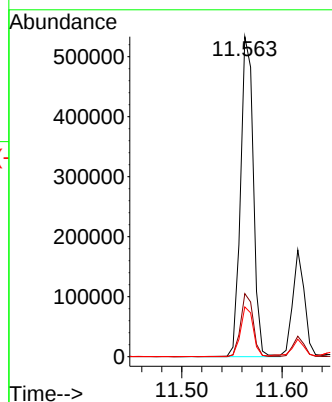
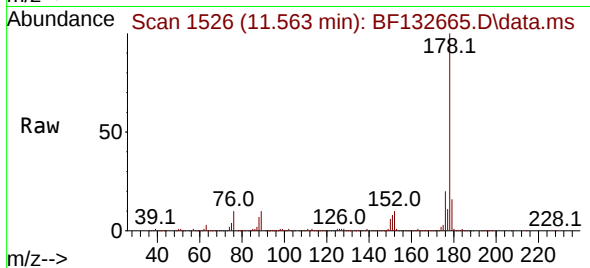
Tgt Ion:178 Resp: 475495

Ion Ratio Lower Upper

178 100

176 19.7 16.5 24.7

179 15.5 13.0 19.6



#72

Anthracene

Concen: 4.762 ng

RT: 11.616 min Scan# 1535

Delta R.T. -0.015 min

Lab File: BF132665.D

Acq: 06 Mar 2023 23:54

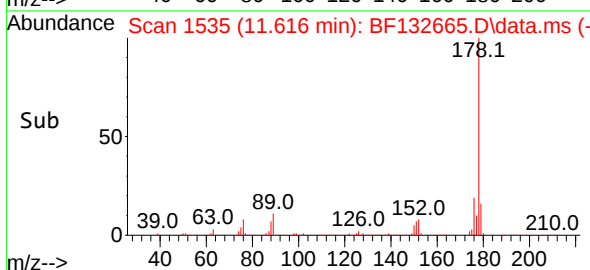
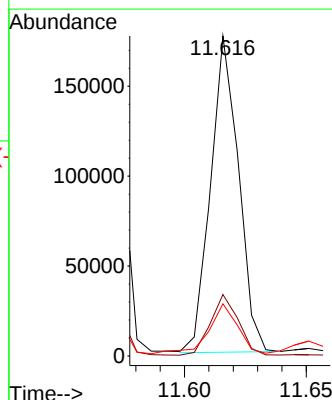
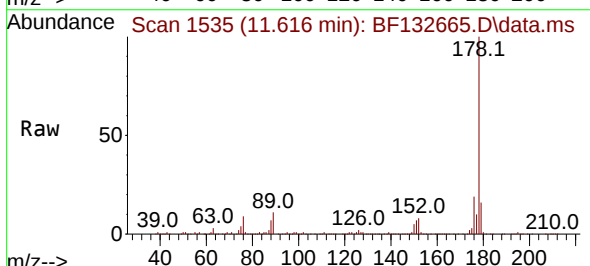
Tgt Ion:178 Resp: 140589

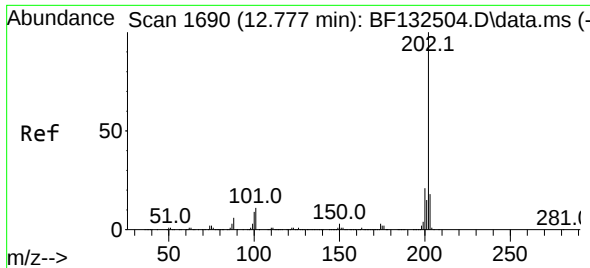
Ion Ratio Lower Upper

178 100

176 19.2 15.6 23.4

179 16.3 12.5 18.7

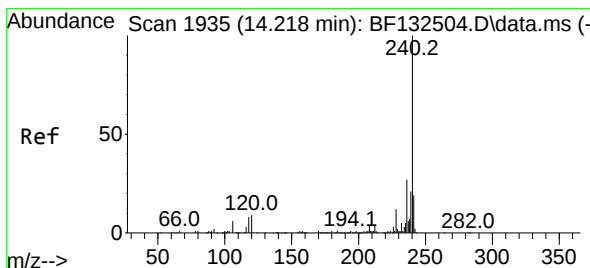
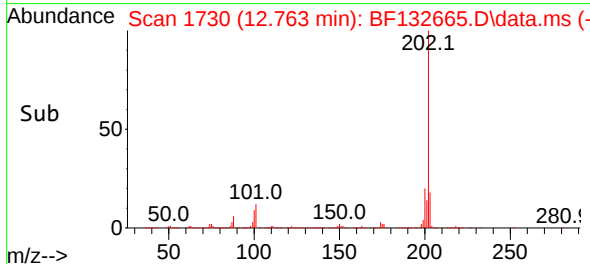
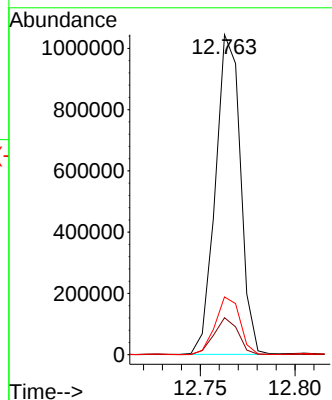
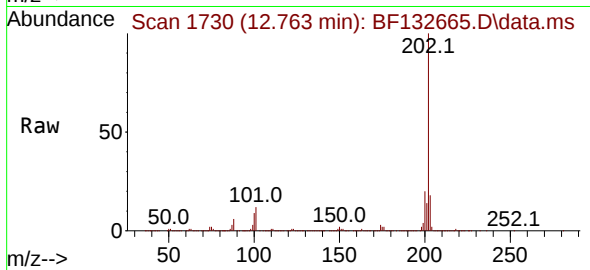




#75
Fluoranthene
Concen: 30.633 ng
RT: 12.763 min Scan# 1730
Delta R.T. -0.009 min
Lab File: BF132665.D
Acq: 06 Mar 2023 23:54

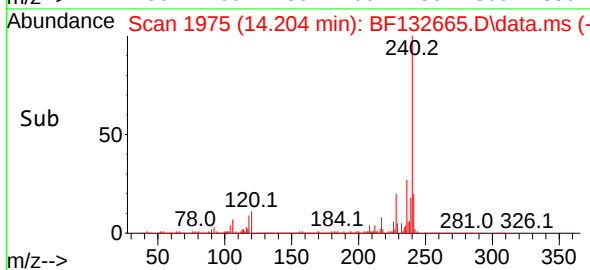
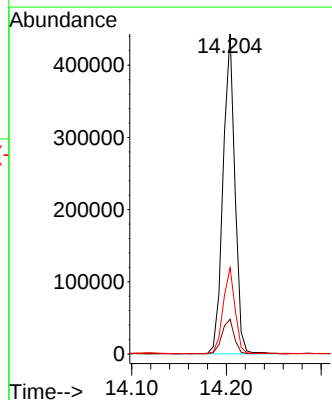
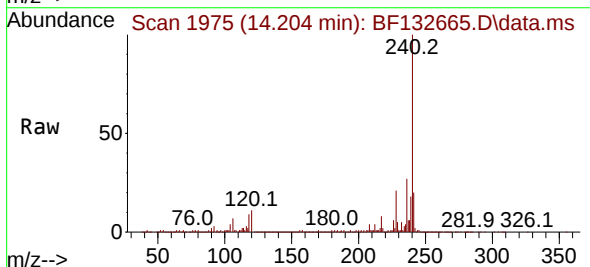
Instrument :
BNA_F
ClientSampleId :
CE-45-030123DL

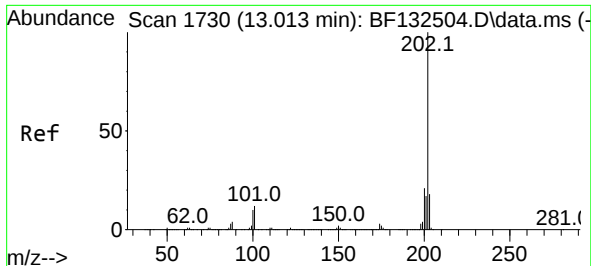
Tgt Ion:202 Resp: 960172
Ion Ratio Lower Upper
202 100
101 11.6 0.0 31.4
203 18.1 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.204 min Scan# 1975
Delta R.T. -0.003 min
Lab File: BF132665.D
Acq: 06 Mar 2023 23:54

Tgt Ion:240 Resp: 386477
Ion Ratio Lower Upper
240 100
120 10.9 7.2 10.8#
236 27.0 21.8 32.6

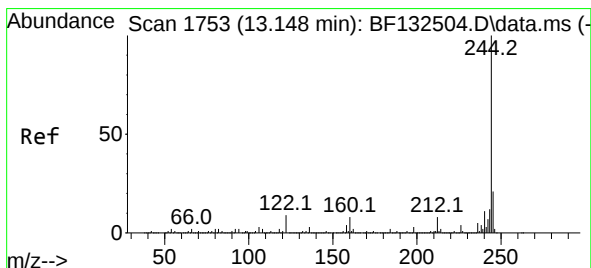
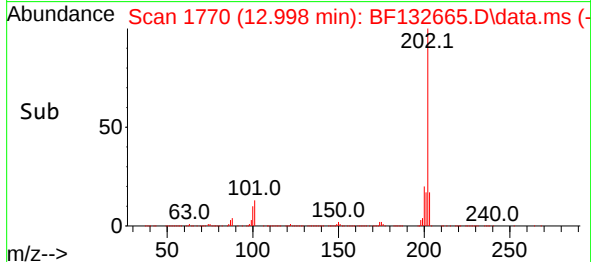
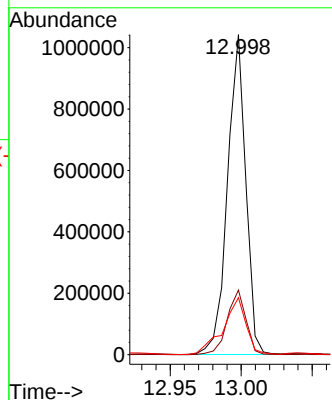
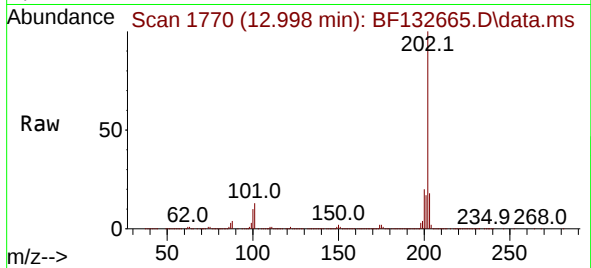




#78
 Pyrene
 Concen: 26.481 ng
 RT: 12.998 min Scan# 1792
 Delta R.T. -0.003 min
 Lab File: BF132665.D
 Acq: 06 Mar 2023 23:54

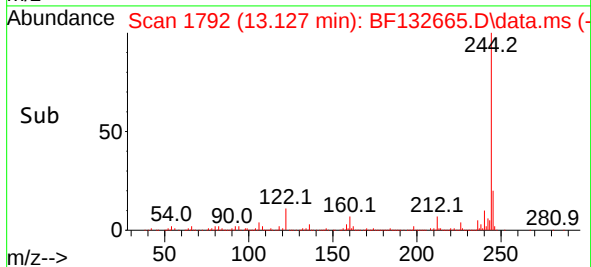
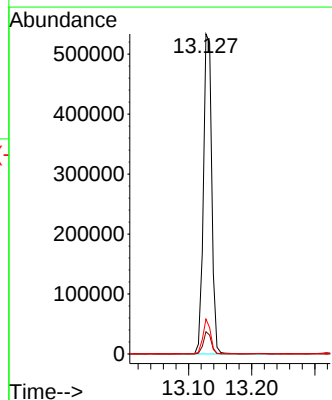
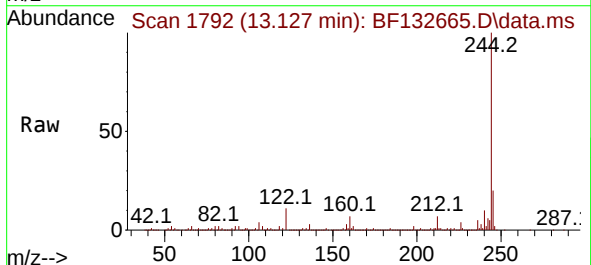
Instrument :
 BNA_F
 ClientSampleId :
 CE-45-030123DL

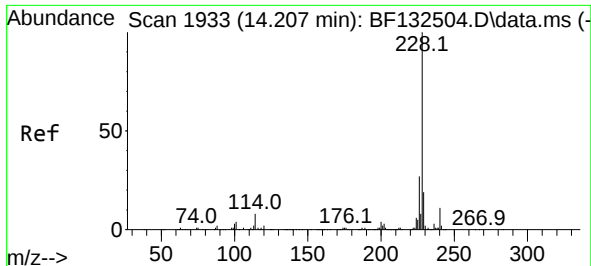
Tgt Ion:202 Resp: 930492
 Ion Ratio Lower Upper
 202 100
 200 20.2 17.1 25.7
 203 17.8 14.6 21.8



#79
 Terphenyl-d14
 Concen: 21.538 ng
 RT: 13.127 min Scan# 1792
 Delta R.T. -0.015 min
 Lab File: BF132665.D
 Acq: 06 Mar 2023 23:54

Tgt Ion:244 Resp: 492318
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.5 9.7
 122 10.9 7.5 11.3

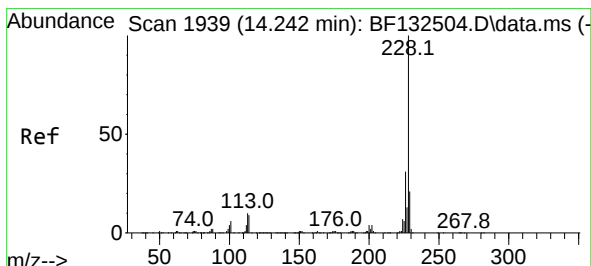
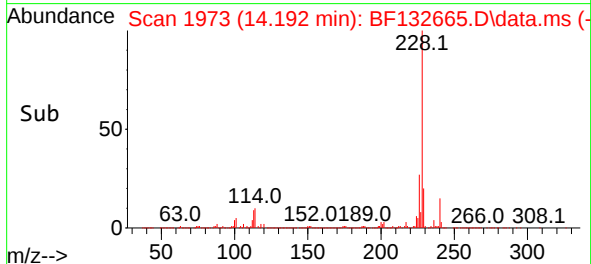
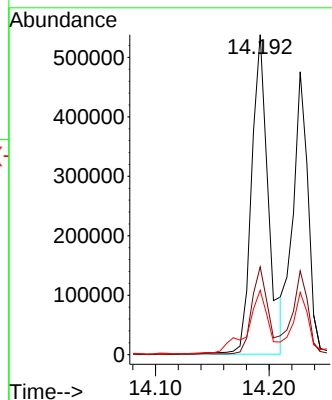
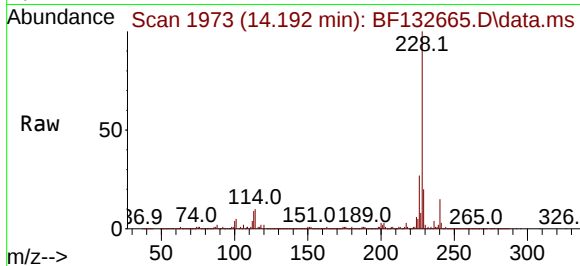




#81
Benzo(a)anthracene
Concen: 18.936 ng
RT: 14.192 min Scan# 1973
Delta R.T. -0.003 min
Lab File: BF132665.D
Acq: 06 Mar 2023 23:54

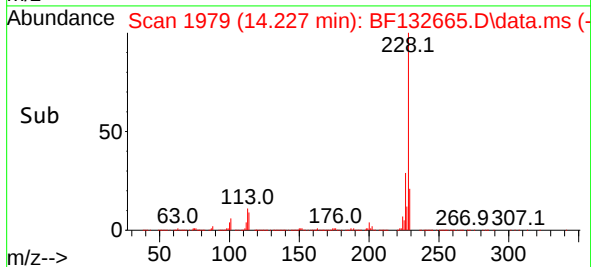
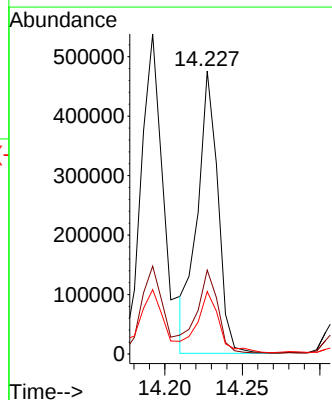
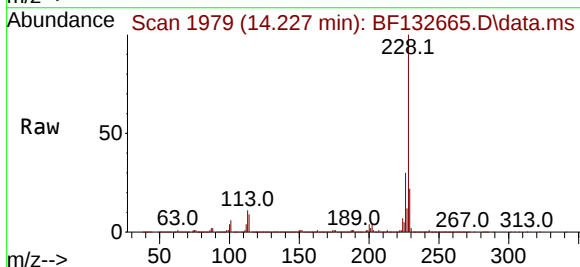
Instrument :
BNA_F
ClientSampleId :
CE-45-030123DL

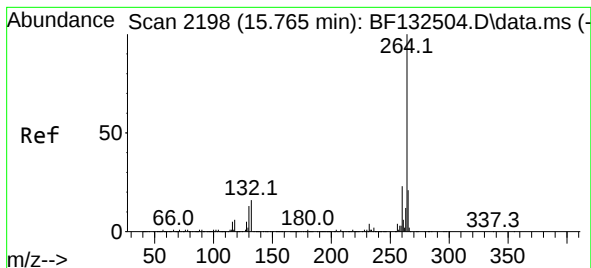
Tgt Ion:228 Resp: 547562
Ion Ratio Lower Upper
228 100
226 27.5 21.7 32.5
229 20.1 15.4 23.2



#83
Chrysene
Concen: 16.275 ng
RT: 14.227 min Scan# 1979
Delta R.T. -0.009 min
Lab File: BF132665.D
Acq: 06 Mar 2023 23:54

Tgt Ion:228 Resp: 440080
Ion Ratio Lower Upper
228 100
226 29.6 25.0 37.6
229 22.1 16.4 24.6



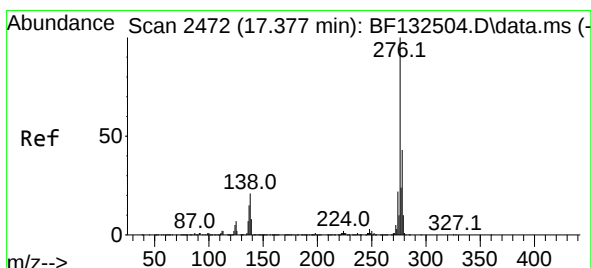
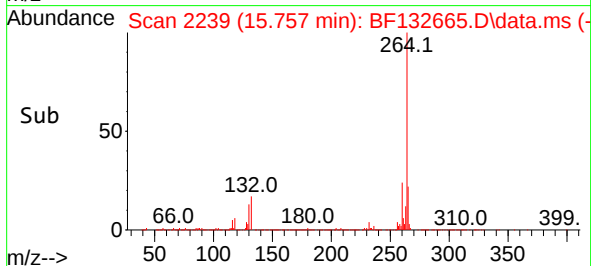
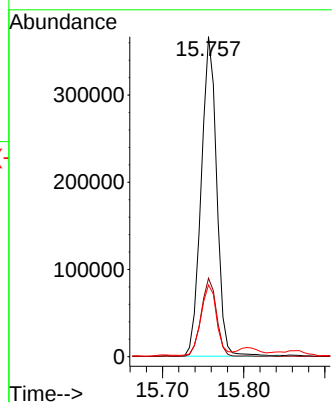
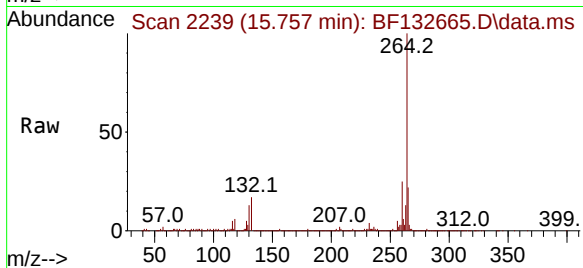


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.757 min Scan# 2198
Delta R.T. 0.003 min
Lab File: BF132665.D
Acq: 06 Mar 2023 23:54

Instrument :
BNA_F
ClientSampleId :
CE-45-030123DL

Tgt Ion:264 Resp: 486770

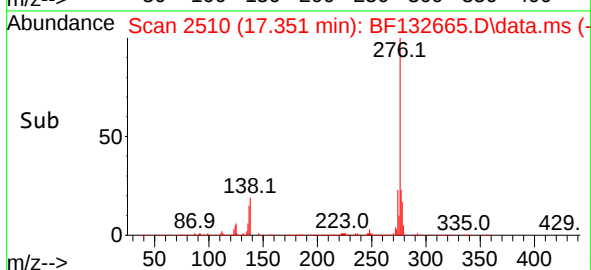
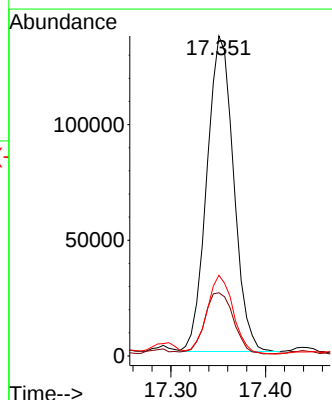
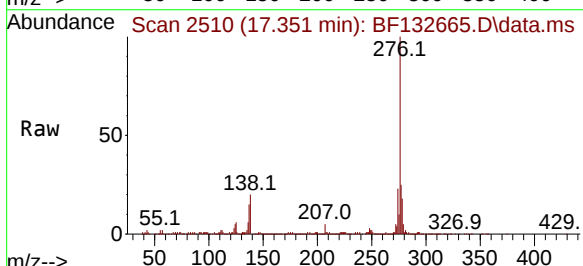
Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.8	28.2
265	22.4	17.1	25.7

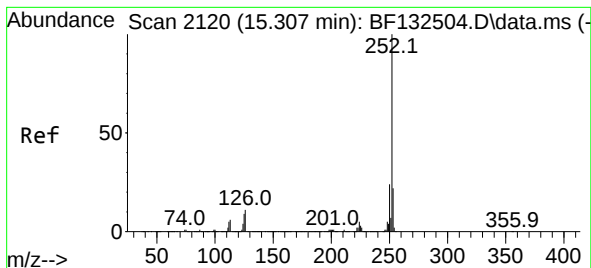


#87
Indeno(1,2,3-cd)pyrene
Concen: 8.406 ng
RT: 17.351 min Scan# 2510
Delta R.T. -0.009 min
Lab File: BF132665.D
Acq: 06 Mar 2023 23:54

Tgt Ion:276 Resp: 268120

Ion	Ratio	Lower	Upper
276	100		
138	21.1	19.0	28.4
277	24.4	20.0	30.0





#88

Benzo(b)fluoranthene

Concen: 27.774 ng

RT: 15.292 min Scan# 21

Delta R.T. -0.003 min

Lab File: BF132665.D

Acq: 06 Mar 2023 23:54

Instrument :

BNA_F

ClientSampleId :

CE-45-030123DL

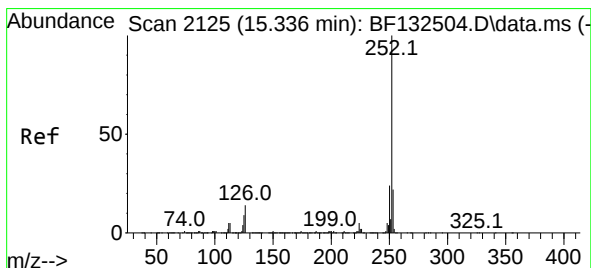
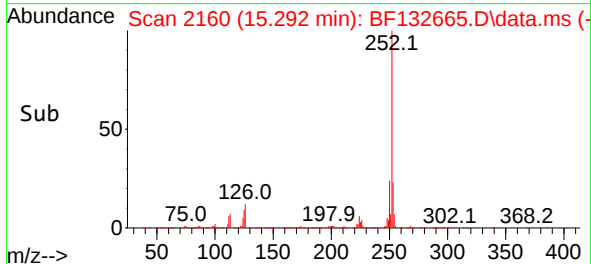
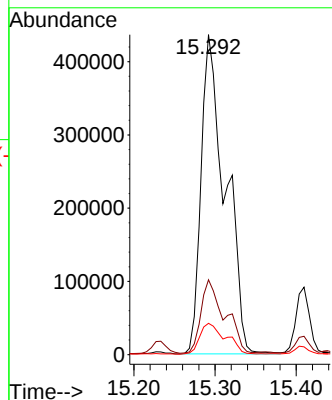
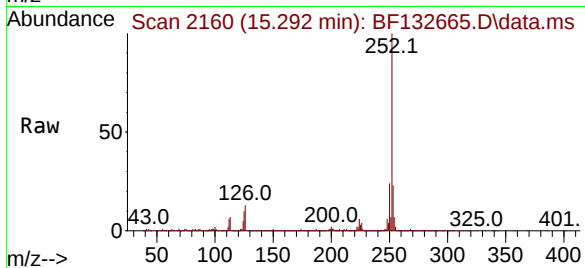
Tgt Ion:252 Resp: 906018

Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.0

125 9.8 7.0 10.6



#89

Benzo(k)fluoranthene

Concen: 28.379 ng

RT: 15.292 min Scan# 2160

Delta R.T. -0.032 min

Lab File: BF132665.D

Acq: 06 Mar 2023 23:54

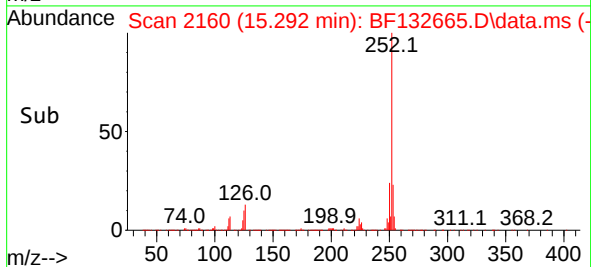
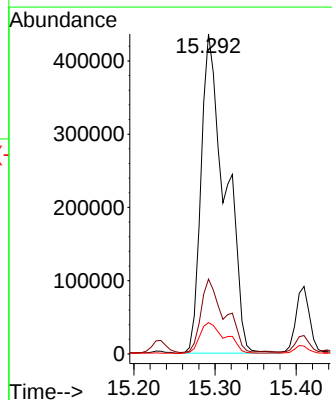
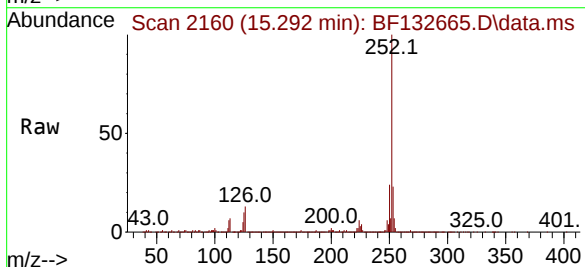
Tgt Ion:252 Resp: 906018

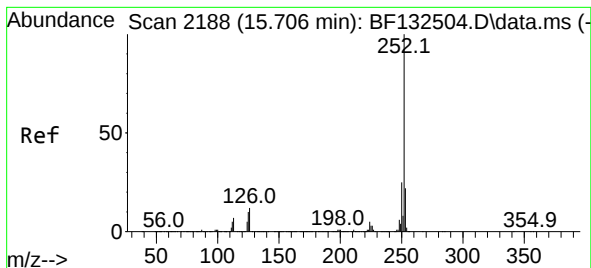
Ion Ratio Lower Upper

252 100

253 23.4 17.5 26.3

125 9.8 7.2 10.8





#90

Benzo(a)pyrene

Concen: 17.395 ng

RT: 15.692 min Scan# 21

Delta R.T. 0.003 min

Lab File: BF132665.D

Acq: 06 Mar 2023 23:54

Instrument :

BNA_F

ClientSampleId :

CE-45-030123DL

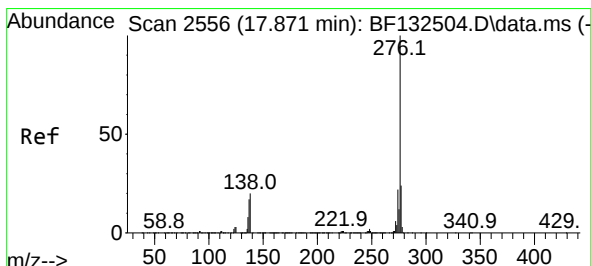
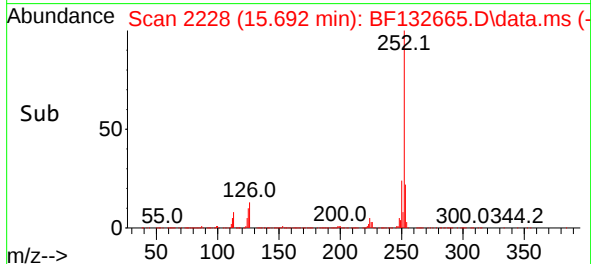
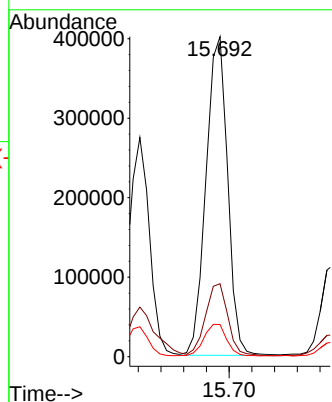
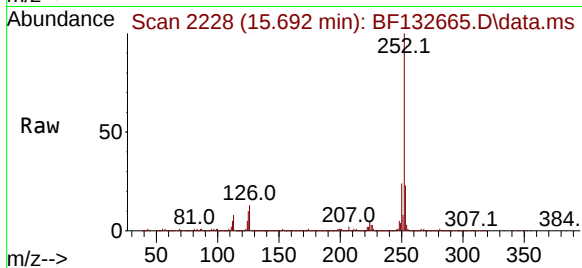
Tgt Ion:252 Resp: 531079

Ion Ratio Lower Upper

252 100

253 22.8 17.2 25.8

125 10.0 8.0 12.0



#92

Benzo(g,h,i)perylene

Concen: 9.663 ng

RT: 17.839 min Scan# 2593

Delta R.T. -0.015 min

Lab File: BF132665.D

Acq: 06 Mar 2023 23:54

Tgt Ion:276 Resp: 244595

Ion Ratio Lower Upper

276 100

277 24.7 18.9 28.3

138 21.5 16.2 24.4

