

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030323\
 Data File : BF132636.D
 Acq On : 03 Mar 2023 19:10
 Operator : CG\JU
 Sample : 01776-01DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-6-030223DL

Quant Time: Mar 04 02:20:25 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)

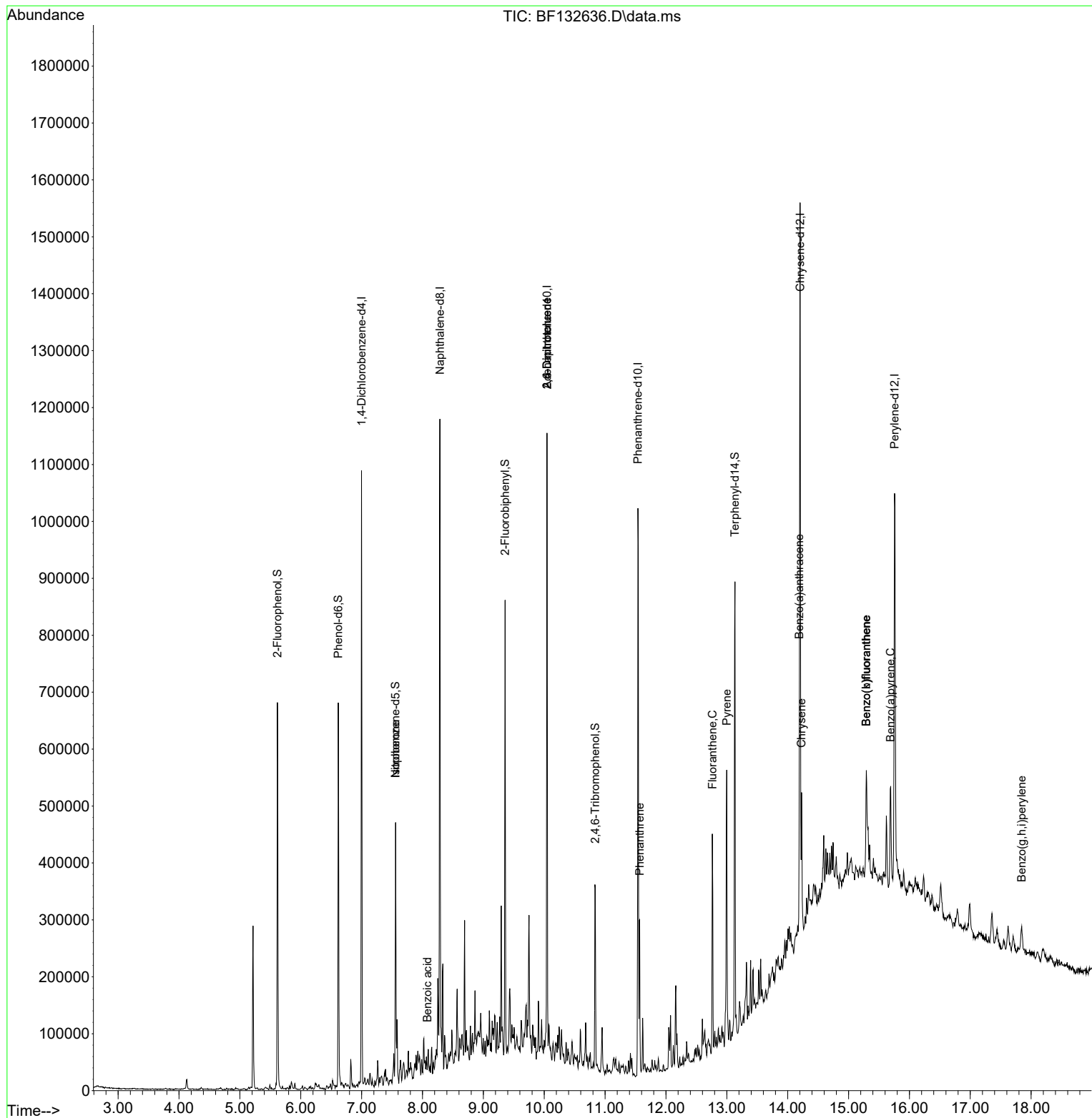
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.998	152	144751	20.000	ng	0.00
21) Naphthalene-d8	8.286	136	460907	20.000	ng	0.00
39) Acenaphthene-d10	10.045	164	201518	20.000	ng	0.00
64) Phenanthrene-d10	11.539	188	386349	20.000	ng	0.00
76) Chrysene-d12	14.204	240	398702	20.000	ng	# 0.00
86) Perylene-d12	15.757	264	338734	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.616	112	199754	22.397	ng	-0.01
7) Phenol-d6	6.616	99	234642	20.158	ng	-0.02
23) Nitrobenzene-d5	7.557	82	127620	13.137	ng	-0.01
42) 2,4,6-Tribromophenol	10.839	330	40410	18.568	ng	0.00
45) 2-Fluorobiphenyl	9.357	172	213120	16.103	ng	-0.01
79) Terphenyl-d14	13.133	244	279995	11.874	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.557	82	127620	6.852	ng	# 67
32) Benzoic acid	8.081	122	268	3.879	ng	# 1
51) 2,6-Dinitrotoluene	10.045	165	28423	8.506	ng	# 23
57) 2,4-Dinitrotoluene	10.045	165	28531	6.418	ng	# 22
71) Phenanthrene	11.569	178	105479	5.270	ng	97
75) Fluoranthene	12.763	202	140492	6.421	ng	98
78) Pyrene	12.998	202	183131	5.052	ng	100
81) Benzo(a)anthracene	14.192	228	107671	3.609	ng	95
83) Chrysene	14.227	228	98071	3.516	ng	97
88) Benzo(b)fluoranthene	15.292	252	147968	6.518	ng	# 90
89) Benzo(k)fluoranthene	15.292	252	147968	6.660	ng	# 90
90) Benzo(a)pyrene	15.692	252	86435	4.068	ng	95
92) Benzo(g,h,i)perylene	17.845	276	33961	3.220	ng	# 89

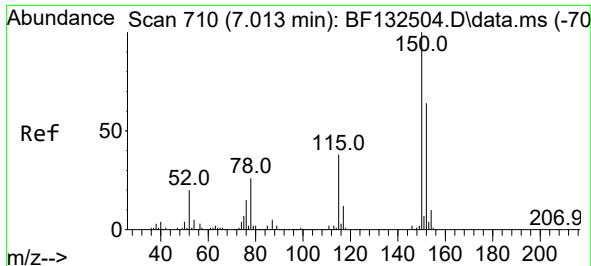
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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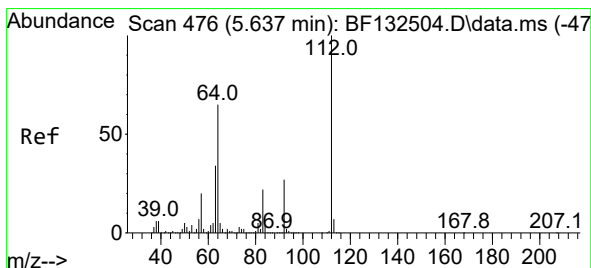
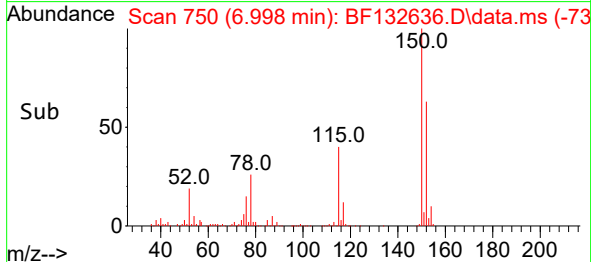
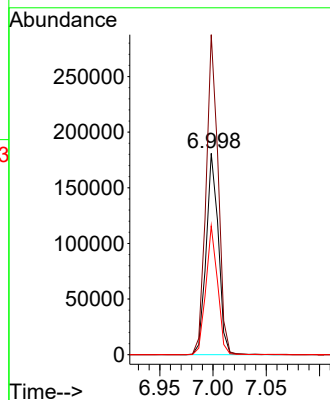
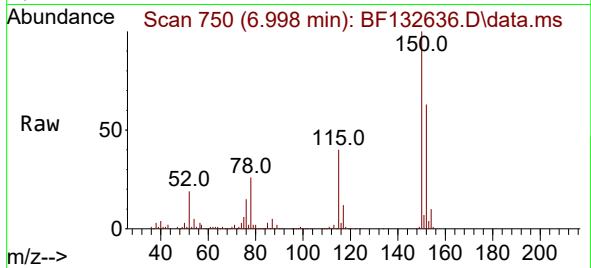




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.998 min Scan# 710
Delta R.T. -0.009 min
Lab File: BF132636.D
Acq: 03 Mar 2023 19:10

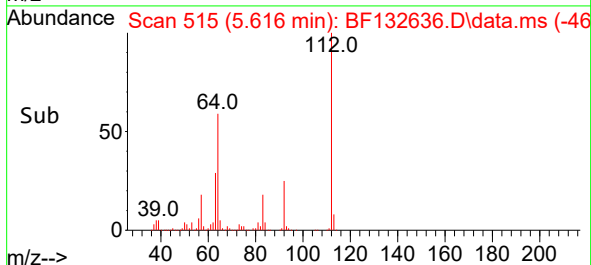
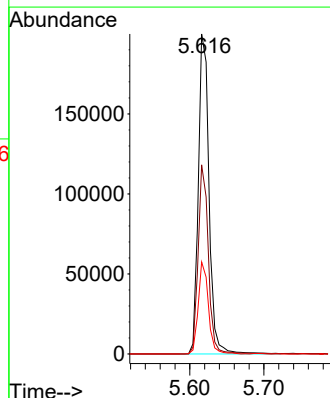
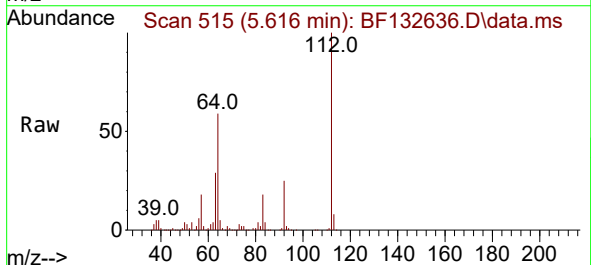
Instrument :
BNA_F
ClientSampleId :
TR-6-030223DL

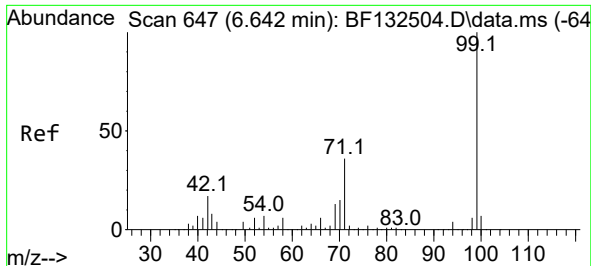
Tgt Ion:152 Resp: 144751
Ion Ratio Lower Upper
152 100
150 159.0 125.4 188.2
115 64.0 47.8 71.6



#5
2-Fluorophenol
Concen: 22.397 ng
RT: 5.616 min Scan# 515
Delta R.T. -0.015 min
Lab File: BF132636.D
Acq: 03 Mar 2023 19:10

Tgt Ion:112 Resp: 199754
Ion Ratio Lower Upper
112 100
64 59.1 51.6 77.4
63 28.7 27.4 41.2

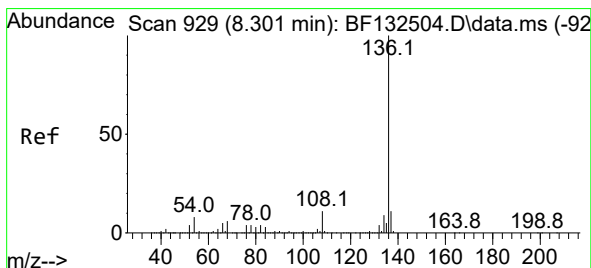
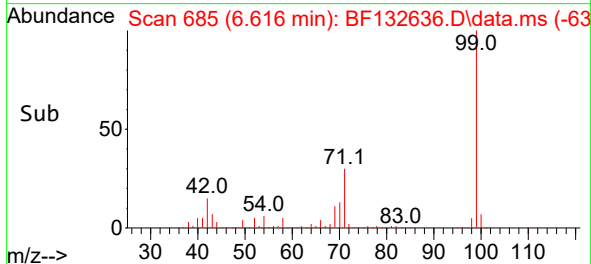
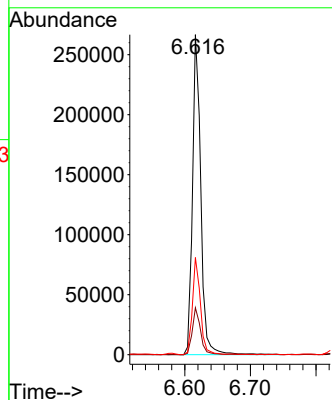
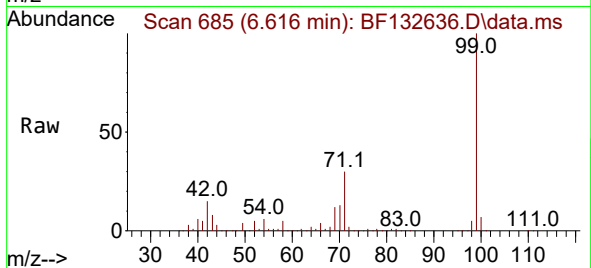




#7
Phenol-d6
Concen: 20.158 ng
RT: 6.616 min Scan# 61
Delta R.T. -0.021 min
Lab File: BF132636.D
Acq: 03 Mar 2023 19:10

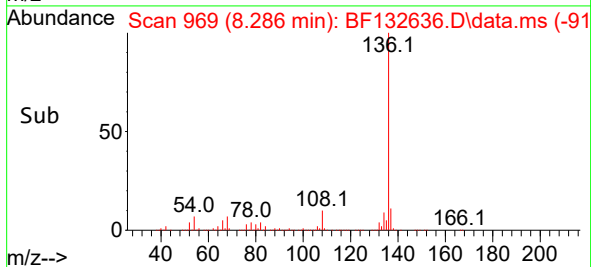
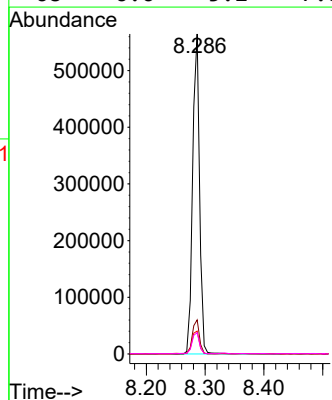
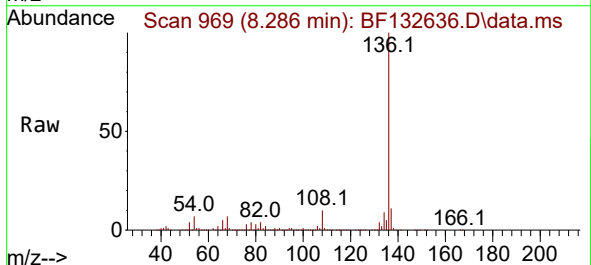
Instrument :
BNA_F
ClientSampleId :
TR-6-030223DL

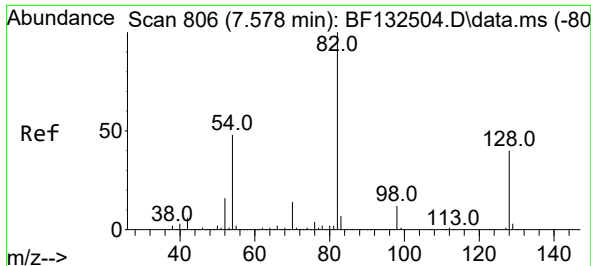
Tgt Ion: 99 Resp: 234642
Ion Ratio Lower Upper
99 100
42 14.7 13.9 20.9
71 30.4 28.5 42.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.286 min Scan# 969
Delta R.T. -0.003 min
Lab File: BF132636.D
Acq: 03 Mar 2023 19:10

Tgt Ion: 136 Resp: 460907
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 7.2 6.2 9.4
68 6.6 5.2 7.8





#23

Nitrobenzene-d5

Concen: 13.137 ng

RT: 7.557 min Scan# 845

Delta R.T. -0.015 min

Lab File: BF132636.D

Acq: 03 Mar 2023 19:10

Instrument :

BNA_F

ClientSampleId :

TR-6-030223DL

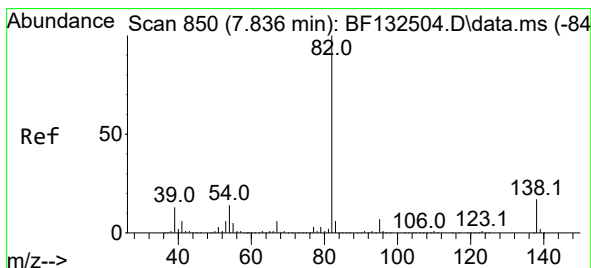
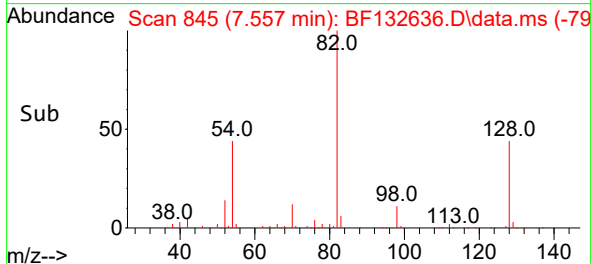
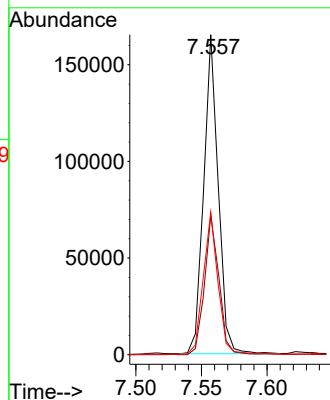
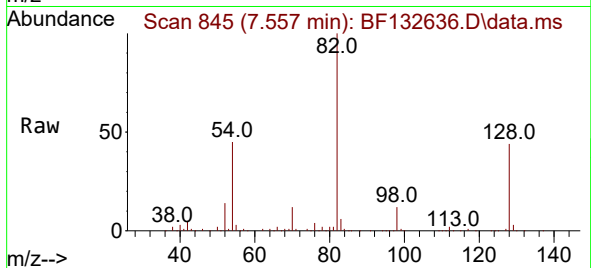
Tgt Ion: 82 Resp: 127620

Ion Ratio Lower Upper

82 100

128 43.5 32.2 48.2

54 44.6 38.4 57.6



#25

Isophorone

Concen: 6.852 ng

RT: 7.557 min Scan# 845

Delta R.T. -0.268 min

Lab File: BF132636.D

Acq: 03 Mar 2023 19:10

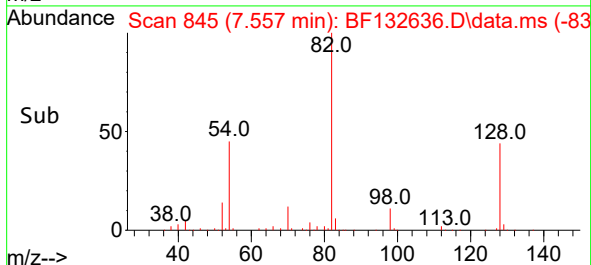
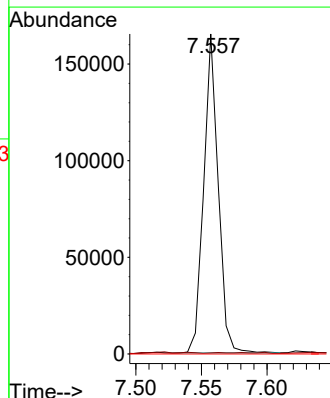
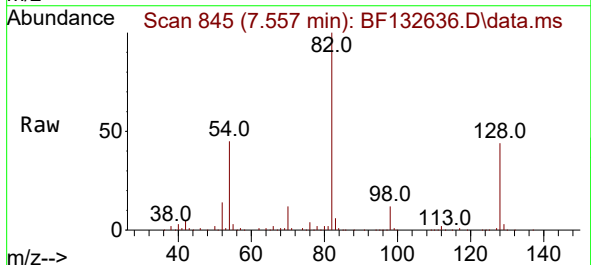
Tgt Ion: 82 Resp: 127620

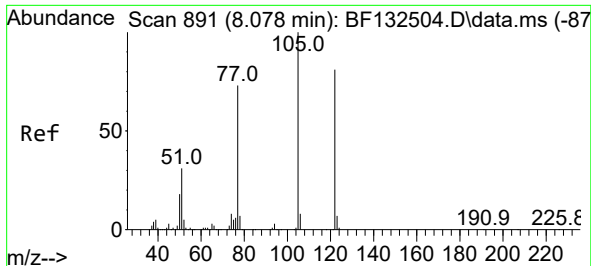
Ion Ratio Lower Upper

82 100

95 0.4 5.7 8.5#

138 0.0 13.3 19.9#

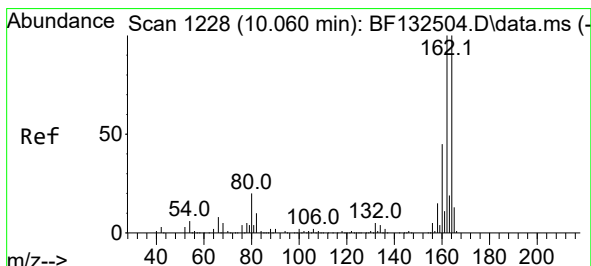
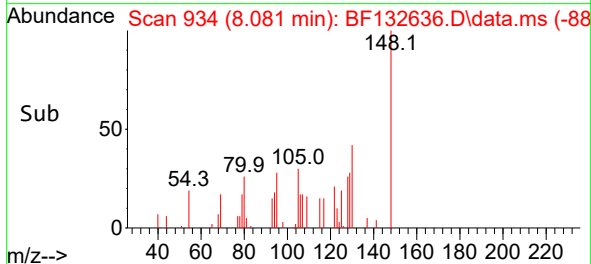
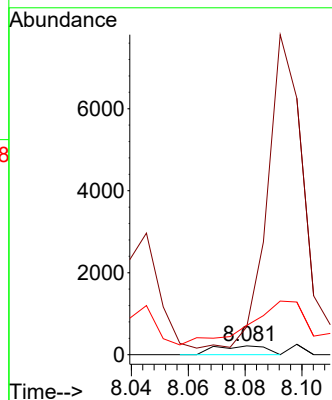
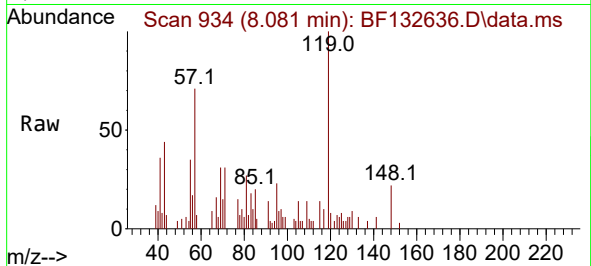




#32
Benzoic acid
Concen: 3.879 ng
RT: 8.081 min Scan# 91
Delta R.T. 0.015 min
Lab File: BF132636.D
Acq: 03 Mar 2023 19:10

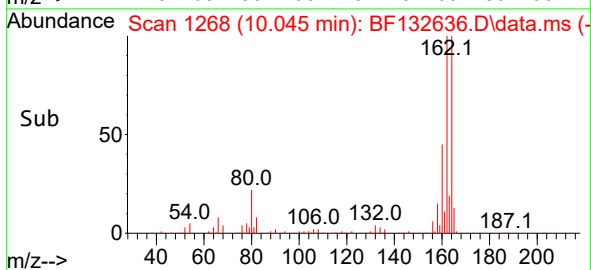
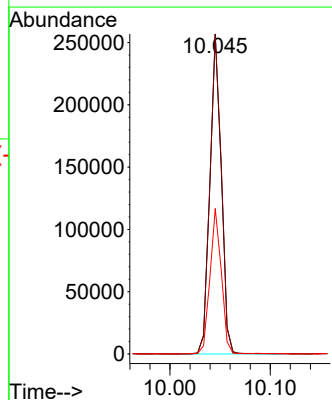
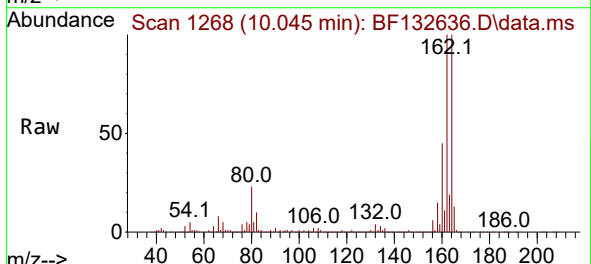
Instrument :
BNA_F
ClientSampleId :
TR-6-030223DL

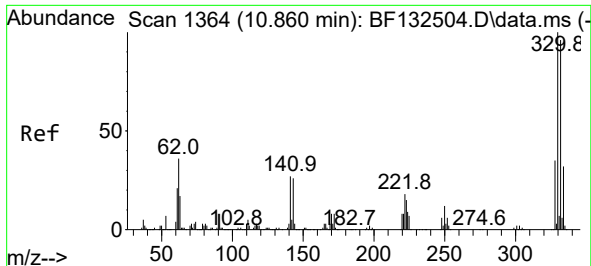
Tgt Ion:122 Resp: 268
Ion Ratio Lower Upper
122 100
105 316.3 102.6 142.6#
77 332.1 70.2 110.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.045 min Scan# 1268
Delta R.T. -0.009 min
Lab File: BF132636.D
Acq: 03 Mar 2023 19:10

Tgt Ion:164 Resp: 201518
Ion Ratio Lower Upper
164 100
162 99.7 79.8 119.8
160 45.4 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 18.568 ng

RT: 10.839 min Scan# 1403

Delta R.T. -0.009 min

Lab File: BF132636.D

Acq: 03 Mar 2023 19:10

Instrument :

BNA_F

ClientSampleId :

TR-6-030223DL

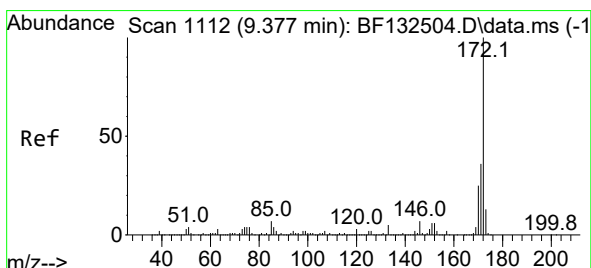
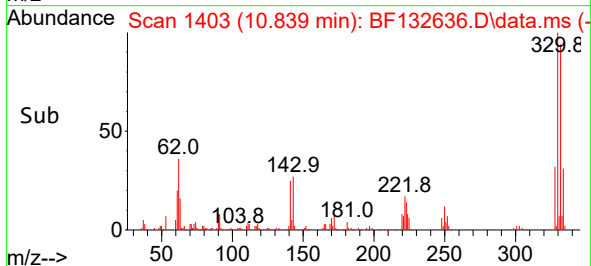
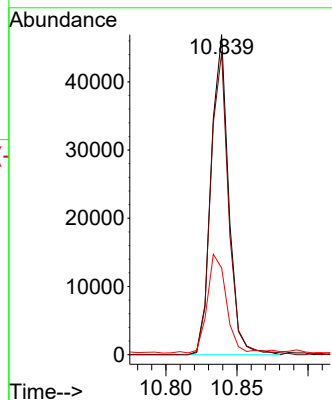
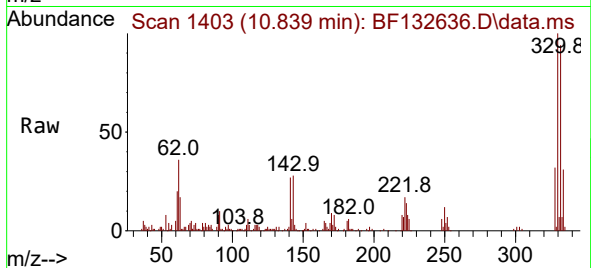
Tgt Ion:330 Resp: 40410

Ion Ratio Lower Upper

330 100

332 95.8 76.2 114.4

141 34.4 28.4 42.6



#45

2-Fluorobiphenyl

Concen: 16.103 ng

RT: 9.357 min Scan# 1151

Delta R.T. -0.015 min

Lab File: BF132636.D

Acq: 03 Mar 2023 19:10

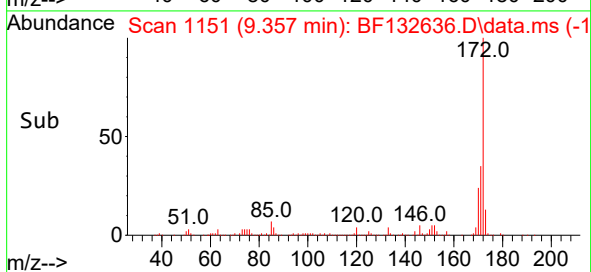
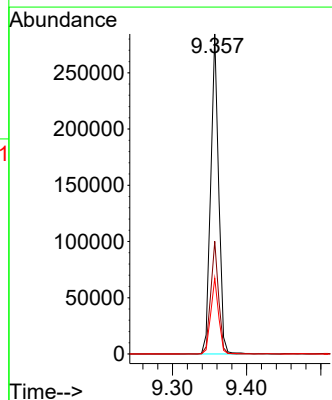
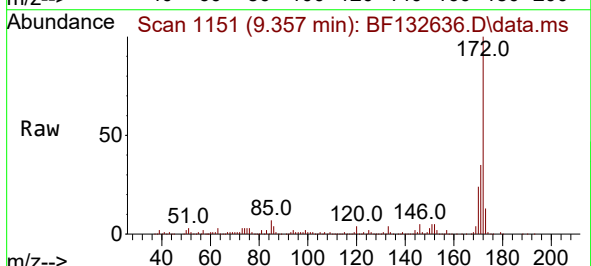
Tgt Ion:172 Resp: 213120

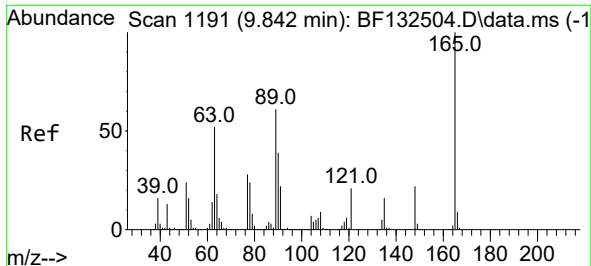
Ion Ratio Lower Upper

172 100

171 35.2 28.8 43.2

170 23.7 19.7 29.5

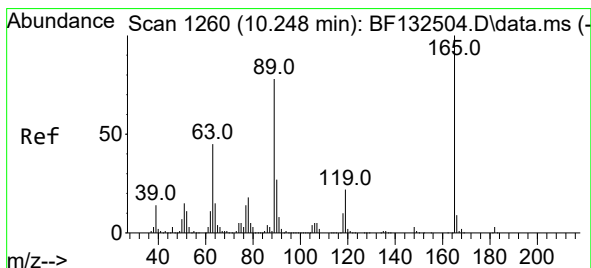
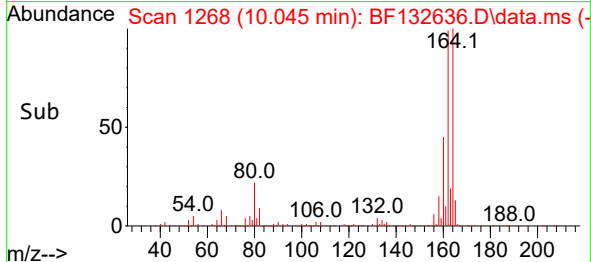
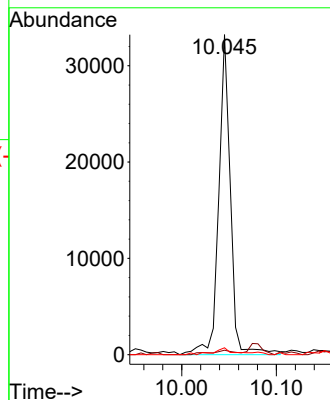
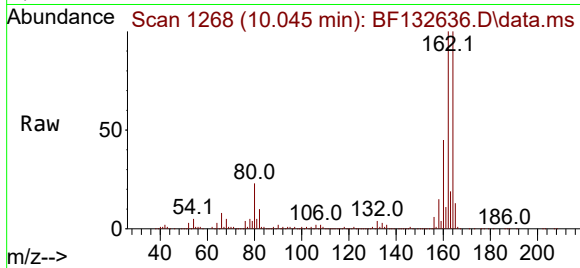




#51
2,6-Dinitrotoluene
Concen: 8.506 ng
RT: 10.045 min Scan# 1191
Delta R.T. 0.209 min
Lab File: BF132636.D
Acq: 03 Mar 2023 19:10

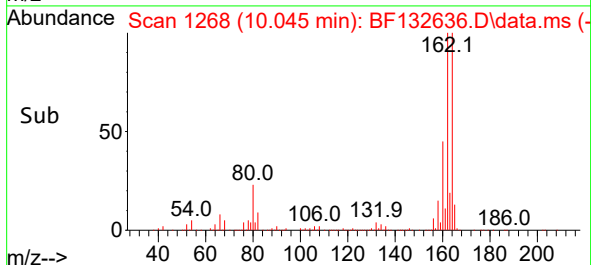
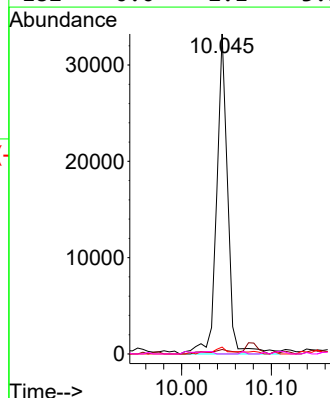
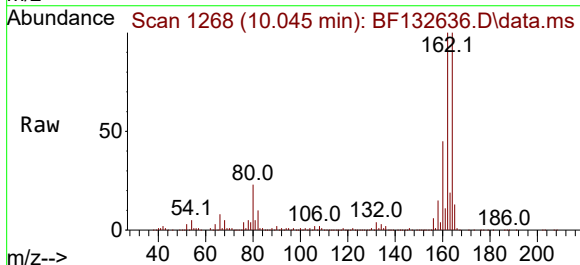
Instrument :
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TR-6-030223DL

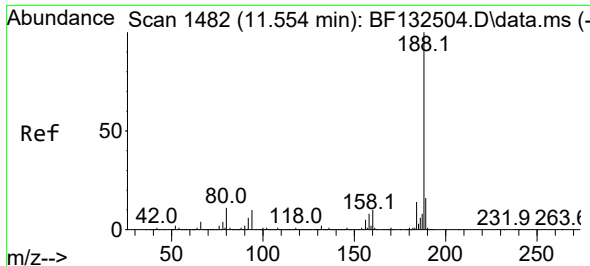
Tgt Ion:165 Resp: 28423
Ion Ratio Lower Upper
165 100
63 1.4 47.3 70.9#
89 2.1 48.9 73.3#



#57
2,4-Dinitrotoluene
Concen: 6.418 ng
RT: 10.045 min Scan# 1268
Delta R.T. -0.197 min
Lab File: BF132636.D
Acq: 03 Mar 2023 19:10

Tgt Ion:165 Resp: 28531
Ion Ratio Lower Upper
165 100
63 1.4 36.5 54.7#
89 2.1 62.4 93.6#
182 0.0 2.1 3.1#

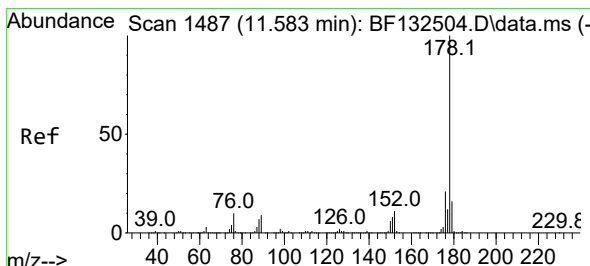
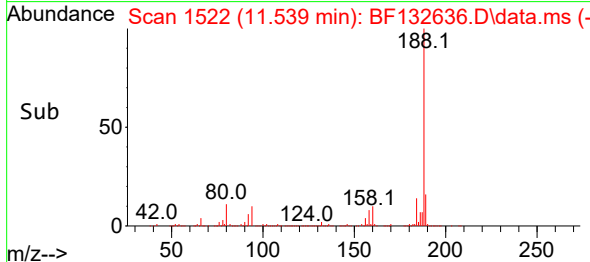
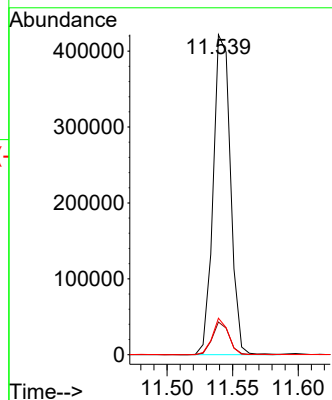
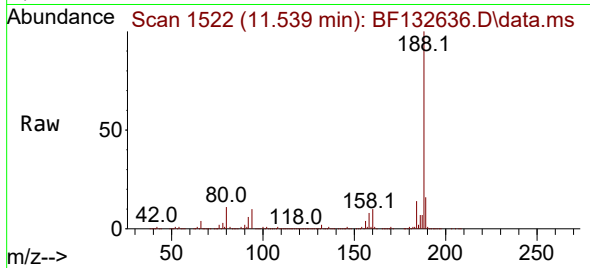




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.539 min Scan# 1152
Delta R.T. -0.009 min
Lab File: BF132636.D
Acq: 03 Mar 2023 19:10

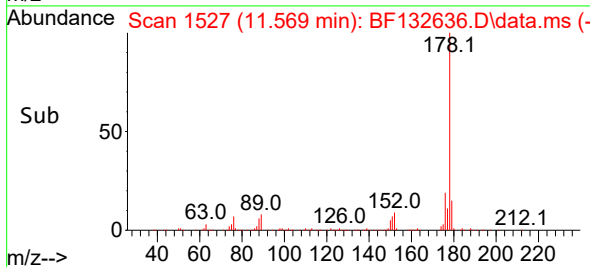
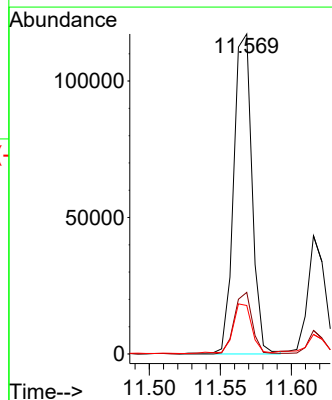
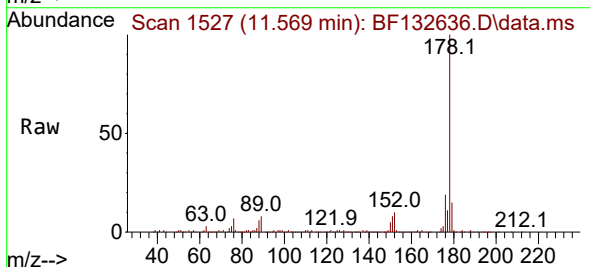
Instrument :
BNA_F
ClientSampleId :
TR-6-030223DL

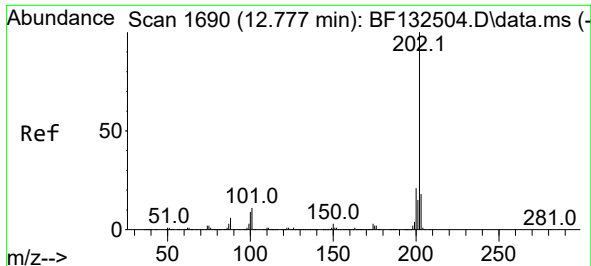
Tgt Ion:188 Resp: 386349
Ion Ratio Lower Upper
188 100
94 10.2 8.3 12.5
80 11.4 8.7 13.1



#71
Phenanthrene
Concen: 5.270 ng
RT: 11.569 min Scan# 1527
Delta R.T. -0.009 min
Lab File: BF132636.D
Acq: 03 Mar 2023 19:10

Tgt Ion:178 Resp: 105479
Ion Ratio Lower Upper
178 100
176 19.3 16.5 24.7
179 15.1 13.0 19.6

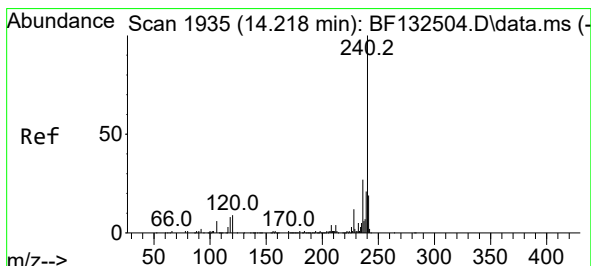
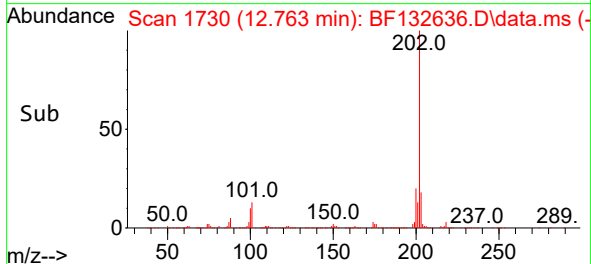
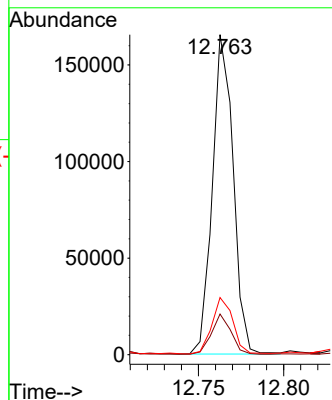
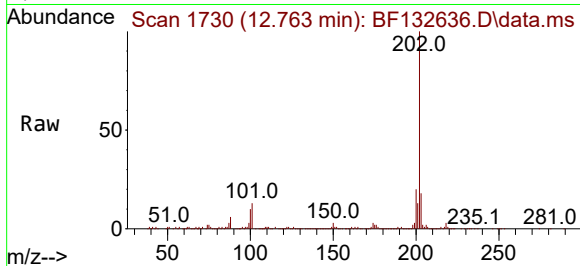




#75
Fluoranthene
Concen: 6.421 ng
RT: 12.763 min Scan# 1730
Delta R.T. -0.009 min
Lab File: BF132636.D
Acq: 03 Mar 2023 19:10

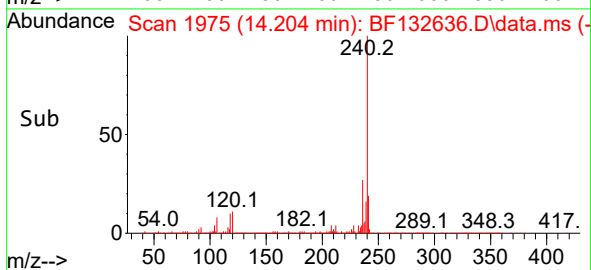
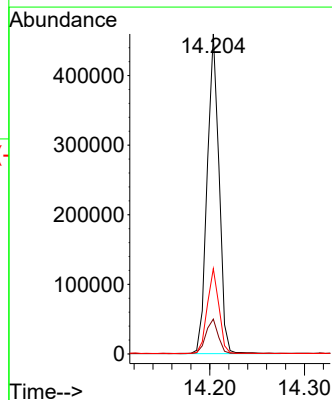
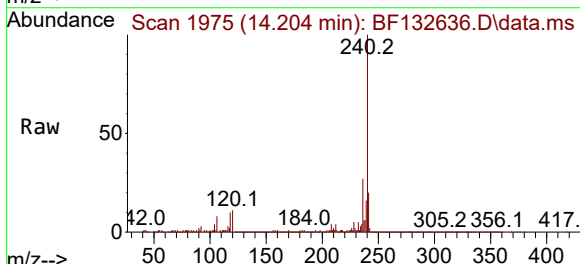
Instrument :
BNA_F
ClientSampleId :
TR-6-030223DL

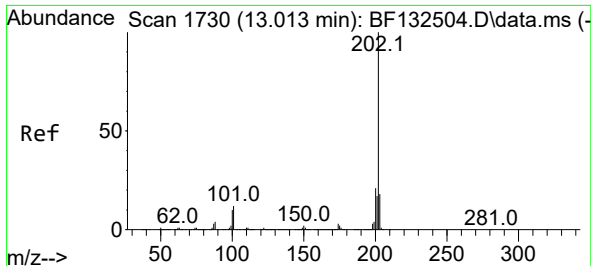
Tgt Ion:202 Resp: 140492
Ion Ratio Lower Upper
202 100
101 12.7 0.0 31.4
203 17.8 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.204 min Scan# 1975
Delta R.T. -0.003 min
Lab File: BF132636.D
Acq: 03 Mar 2023 19:10

Tgt Ion:240 Resp: 398702
Ion Ratio Lower Upper
240 100
120 10.9 7.2 10.8#
236 26.7 21.8 32.6

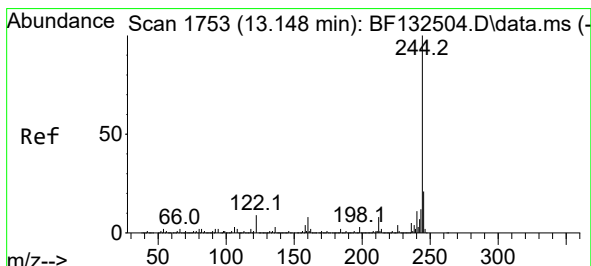
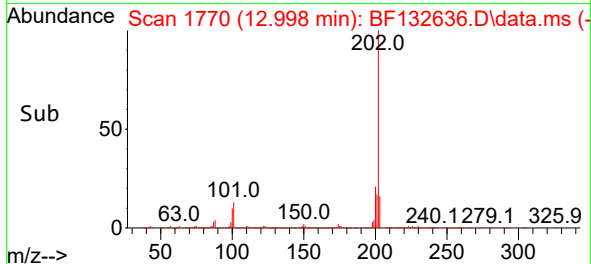
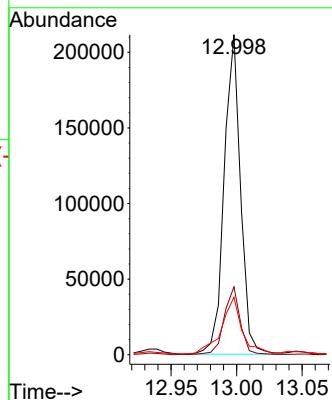
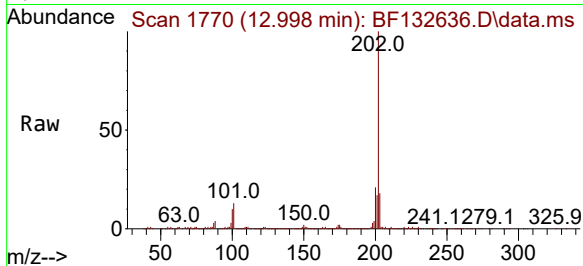




#78
Pyrene
Concen: 5.052 ng
RT: 12.998 min Scan# 1730
Delta R.T. -0.003 min
Lab File: BF132636.D
Acq: 03 Mar 2023 19:10

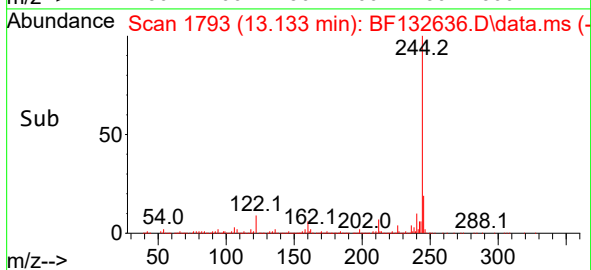
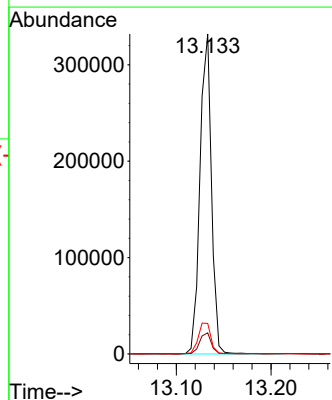
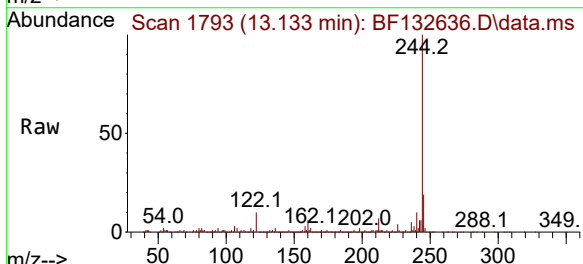
Instrument :
BNA_F
ClientSampleId :
TR-6-030223DL

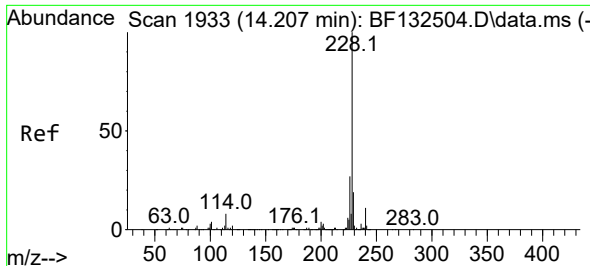
Tgt Ion:202 Resp: 183131
Ion Ratio Lower Upper
202 100
200 21.2 17.1 25.7
203 17.9 14.6 21.8



#79
Terphenyl-d14
Concen: 11.874 ng
RT: 13.133 min Scan# 1793
Delta R.T. -0.009 min
Lab File: BF132636.D
Acq: 03 Mar 2023 19:10

Tgt Ion:244 Resp: 279995
Ion Ratio Lower Upper
244 100
212 6.6 6.5 9.7
122 9.5 7.5 11.3

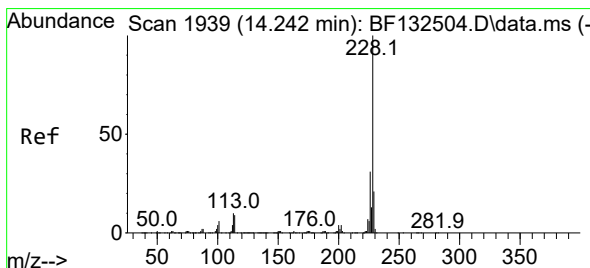
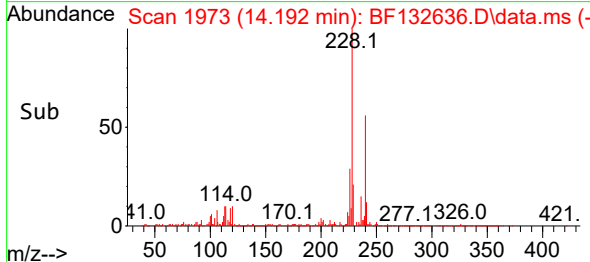
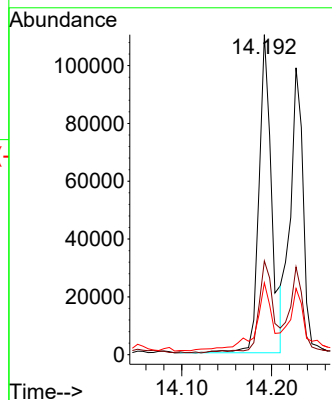
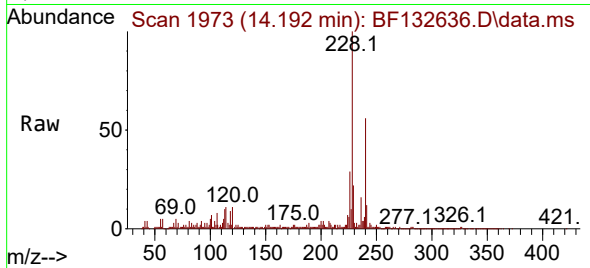




#81
Benzo(a)anthracene
Concen: 3.609 ng
RT: 14.192 min Scan# 1933
Delta R.T. -0.003 min
Lab File: BF132636.D
Acq: 03 Mar 2023 19:10

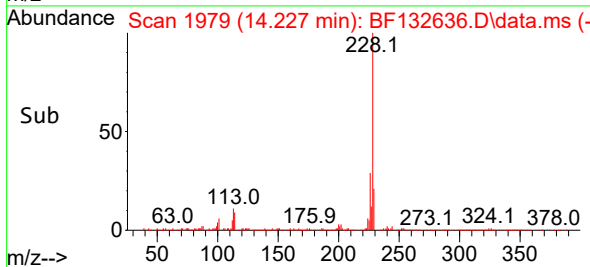
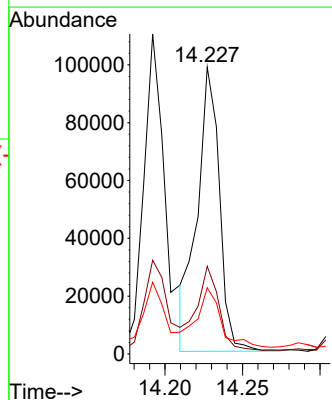
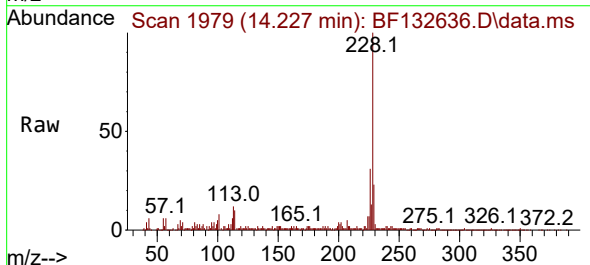
Instrument :
BNA_F
ClientSampleId :
TR-6-030223DL

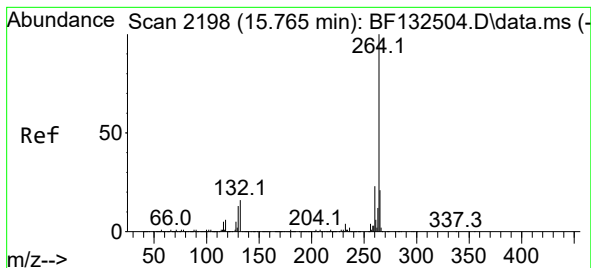
Tgt Ion:228 Resp: 107671
Ion Ratio Lower Upper
228 100
226 29.3 21.7 32.5
229 22.5 15.4 23.2



#83
Chrysene
Concen: 3.516 ng
RT: 14.227 min Scan# 1979
Delta R.T. -0.009 min
Lab File: BF132636.D
Acq: 03 Mar 2023 19:10

Tgt Ion:228 Resp: 98071
Ion Ratio Lower Upper
228 100
226 30.5 25.0 37.6
229 23.1 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: BF132636.D

Acq: 03 Mar 2023 19:10

Instrument :

BNA_F

ClientSampleId :

TR-6-030223DL

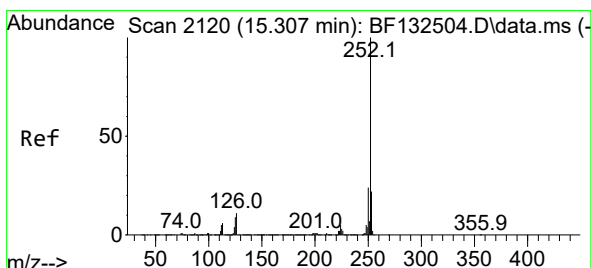
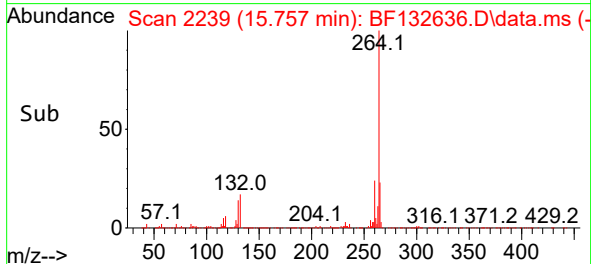
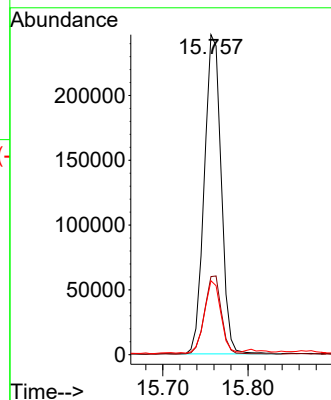
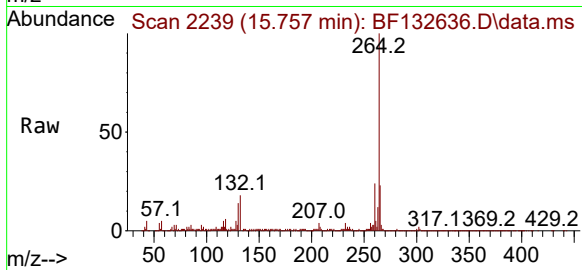
Tgt Ion:264 Resp: 338734

Ion Ratio Lower Upper

264 100

260 24.4 18.8 28.2

265 23.1 17.1 25.7



#88

Benzo(b)fluoranthene

Concen: 6.518 ng

RT: 15.292 min Scan# 2160

Delta R.T. -0.003 min

Lab File: BF132636.D

Acq: 03 Mar 2023 19:10

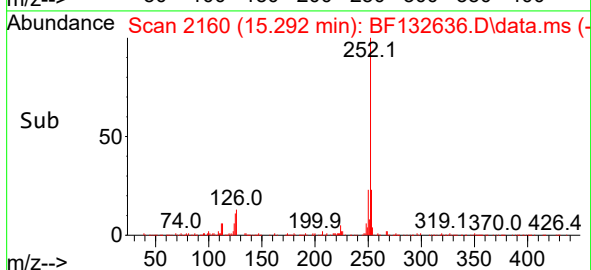
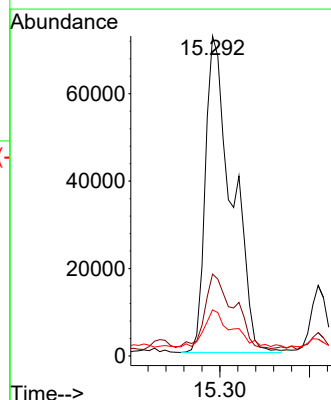
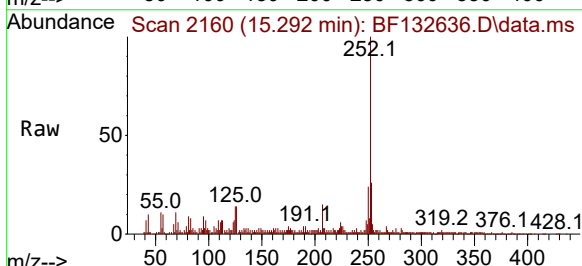
Tgt Ion:252 Resp: 147968

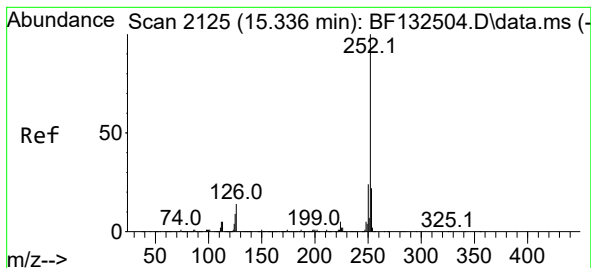
Ion Ratio Lower Upper

252 100

253 25.6 17.4 26.0

125 14.4 7.0 10.6#





#89

Benzo(k)fluoranthene

Concen: 6.660 ng

RT: 15.292 min Scan# 21

Delta R.T. -0.032 min

Lab File: BF132636.D

Acq: 03 Mar 2023 19:10

Instrument :

BNA_F

ClientSampleId :

TR-6-030223DL

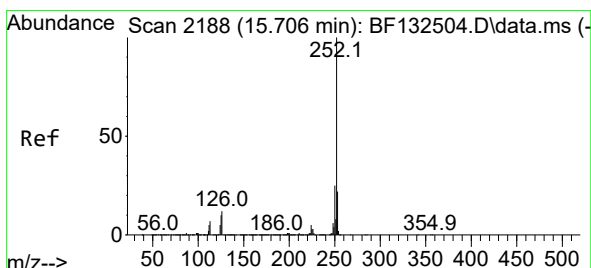
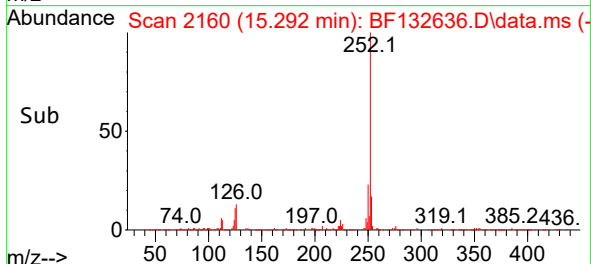
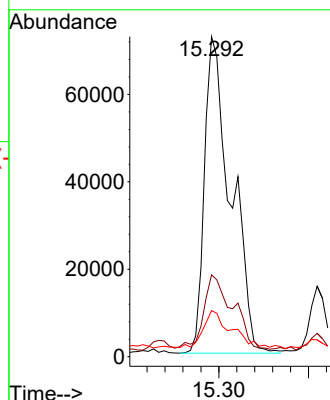
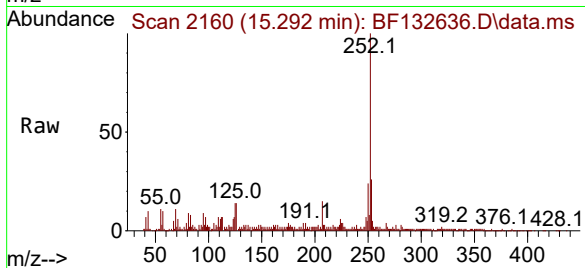
Tgt Ion:252 Resp: 147968

Ion Ratio Lower Upper

252 100

253 25.6 17.5 26.3

125 14.4 7.2 10.8#



#90

Benzo(a)pyrene

Concen: 4.068 ng

RT: 15.692 min Scan# 2228

Delta R.T. 0.003 min

Lab File: BF132636.D

Acq: 03 Mar 2023 19:10

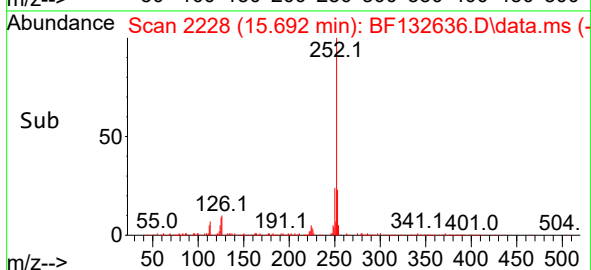
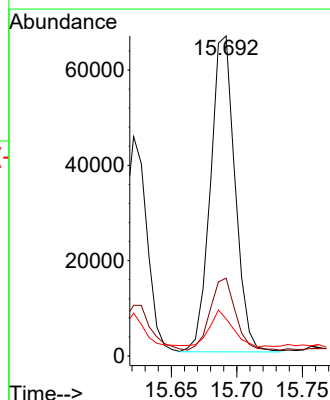
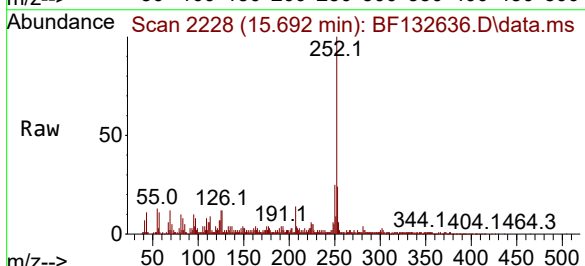
Tgt Ion:252 Resp: 86435

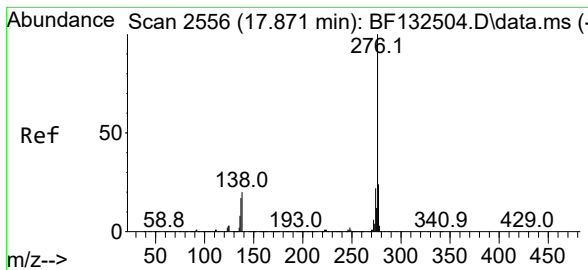
Ion Ratio Lower Upper

252 100

253 24.3 17.2 25.8

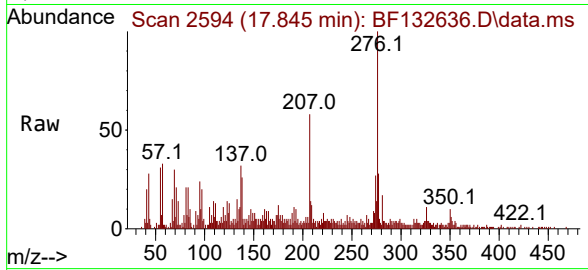
125 11.6 8.0 12.0





#92
 Benzo(g,h,i)perylene
 Concen: 3.220 ng
 RT: 17.845 min Scan# 21
 Delta R.T. -0.009 min
 Lab File: BF132636.D
 Acq: 03 Mar 2023 19:10

Instrument :
 BNA_F
 ClientSampleId :
 TR-6-030223DL



Tgt Ion:276 Resp: 33961
 Ion Ratio Lower Upper
 276 100
 277 28.0 18.9 28.3
 138 26.0 16.2 24.4#

