

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030723\
 Data File : BF132686.D
 Acq On : 07 Mar 2023 19:38
 Operator : CG\JU
 Sample : 01825-07
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HH-TP4-0306

Quant Time: Mar 08 04:43:01 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 07 13:42:31 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

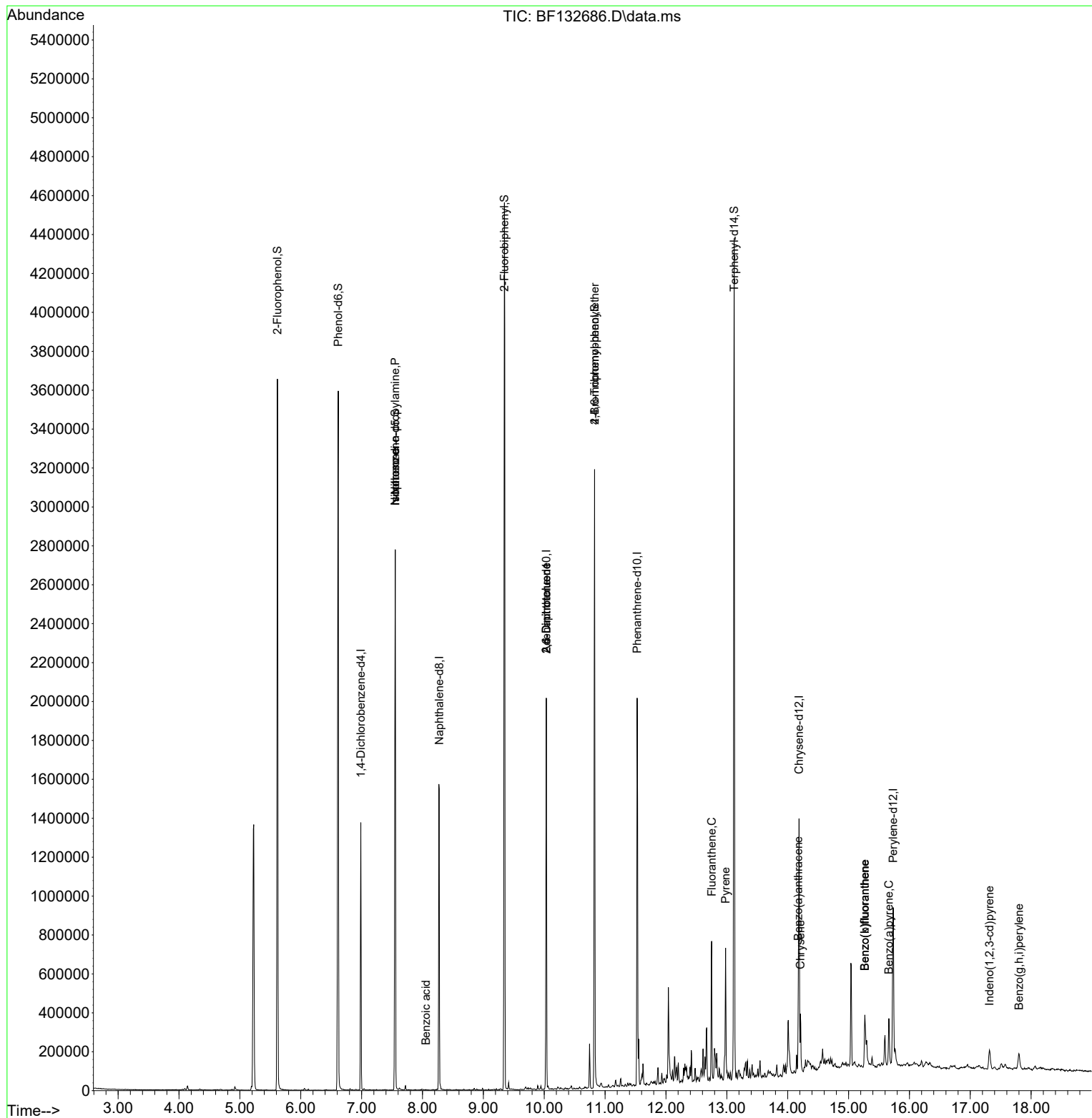
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.987	152	193813	20.000	ng	0.00
21) Naphthalene-d8	8.275	136	715369	20.000	ng	0.00
39) Acenaphthene-d10	10.033	164	383144	20.000	ng	0.00
64) Phenanthrene-d10	11.527	188	722402	20.000	ng	0.00
76) Chrysene-d12	14.186	240	383791	20.000	ng	#-0.01
86) Perylene-d12	15.733	264	391125	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.616	112	1087357	91.054	ng	0.00
7) Phenol-d6	6.616	99	1386231	88.945	ng	0.00
23) Nitrobenzene-d5	7.551	82	899767	59.674	ng	-0.01
42) 2,4,6-Tribromophenol	10.828	330	369945	89.406	ng	0.00
45) 2-Fluorobiphenyl	9.345	172	1438955	57.186	ng	-0.01
79) Terphenyl-d14	13.121	244	1529267	67.370	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.551	70	118009	12.303	ng	# 75
25) Isophorone	7.551	82	898401	31.078	ng	# 67
32) Benzoic acid	8.057	122	144	3.851	ng	# 1
51) 2,6-Dinitrotoluene	10.033	165	50588	7.962	ng	# 22
57) 2,4-Dinitrotoluene	10.033	165	50588	5.985	ng	# 21
67) 4-Bromophenyl-phenylether	10.828	248	24320	2.976	ng	# 1
75) Fluoranthene	12.751	202	266302	6.509	ng	99
78) Pyrene	12.980	202	257745	7.387	ng	99
81) Benzo(a)anthracene	14.174	228	126048	4.389	ng	99
83) Chrysene	14.210	228	114709	4.272	ng	96
87) Indeno(1,2,3-cd)pyrene	17.315	276	70889	2.766	ng	98
88) Benzo(b)fluoranthene	15.268	252	205623	7.845	ng	99
89) Benzo(k)fluoranthene	15.268	252	205623	8.016	ng	99
90) Benzo(a)pyrene	15.663	252	109054	4.445	ng	97
92) Benzo(g,h,i)perylene	17.804	276	65280	4.288	ng	98

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

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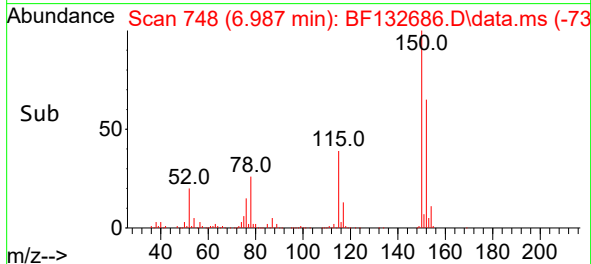
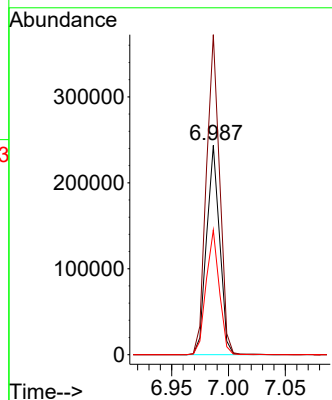
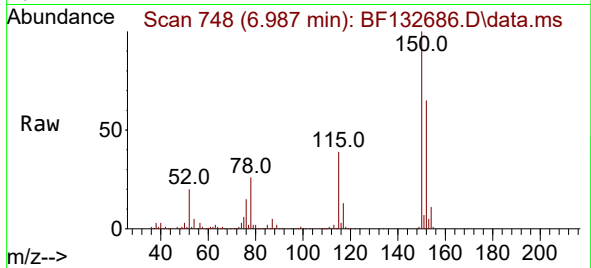




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.987 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF132686.D
Acq: 07 Mar 2023 19:38

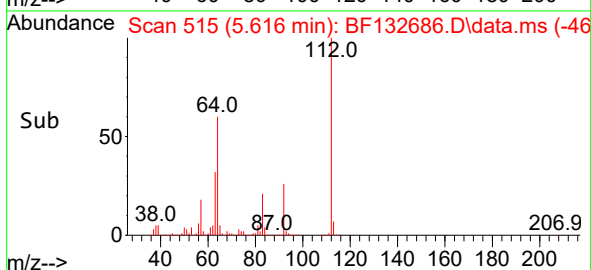
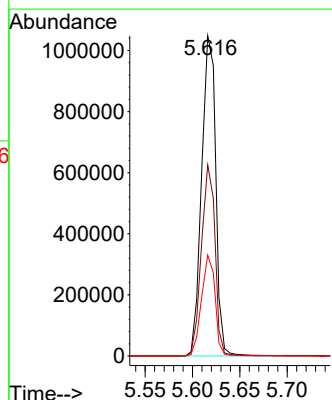
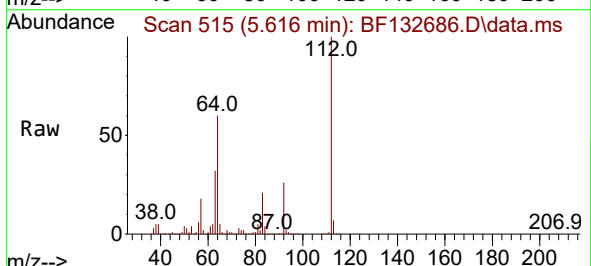
Instrument :
BNA_F
ClientSampleId :
HH-TP4-0306

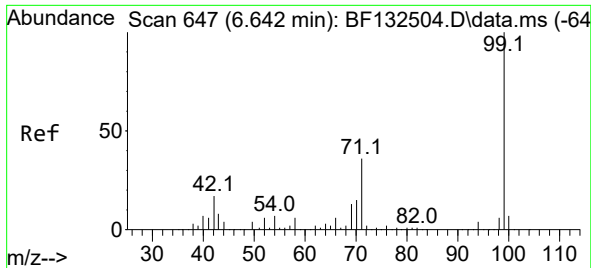
Tgt Ion:152 Resp: 193813
Ion Ratio Lower Upper
152 100
150 152.9 125.4 188.2
115 59.6 47.8 71.6



#5
2-Fluorophenol
Concen: 91.054 ng
RT: 5.616 min Scan# 515
Delta R.T. -0.000 min
Lab File: BF132686.D
Acq: 07 Mar 2023 19:38

Tgt Ion:112 Resp: 1087357
Ion Ratio Lower Upper
112 100
64 59.7 51.6 77.4
63 31.5 27.4 41.2

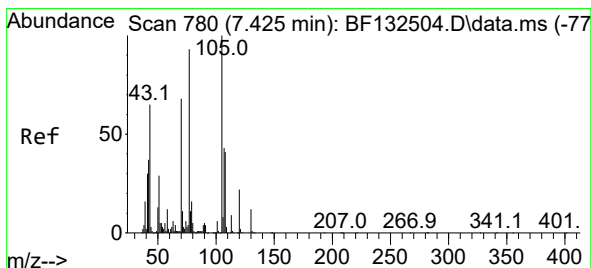
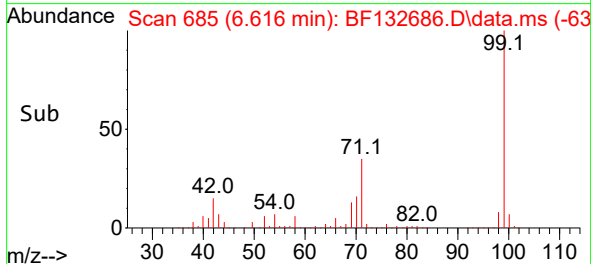
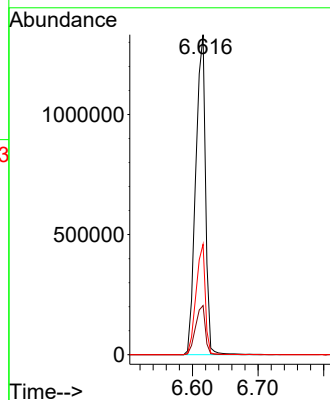
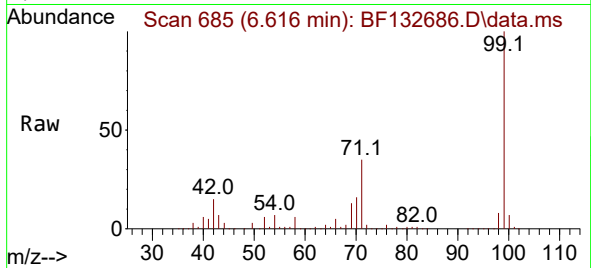




#7
Phenol-d6
Concen: 88.945 ng
RT: 6.616 min Scan# 61
Delta R.T. -0.006 min
Lab File: BF132686.D
Acq: 07 Mar 2023 19:38

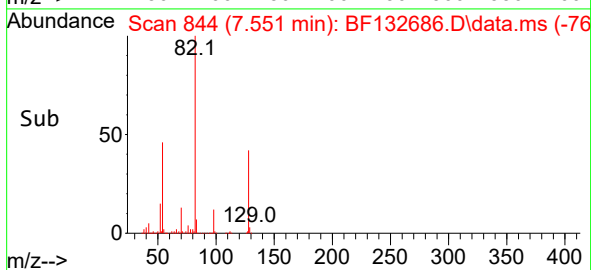
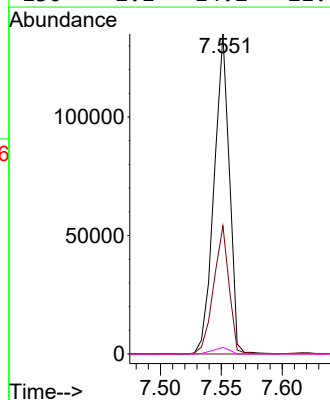
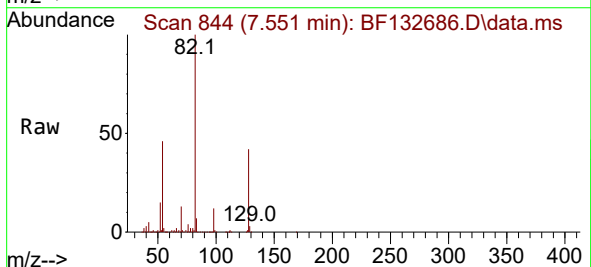
Instrument :
BNA_F
ClientSampleId :
HH-TP4-0306

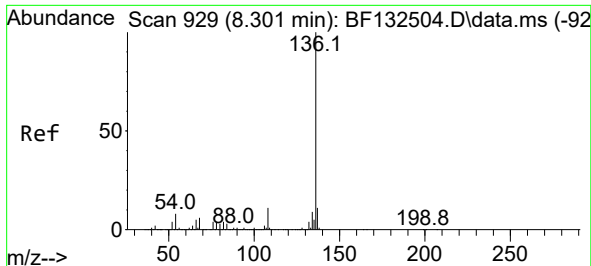
Tgt Ion: 99 Resp: 1386231
Ion Ratio Lower Upper
99 100
42 15.4 13.9 20.9
71 34.5 28.5 42.7



#19
n-Nitroso-di-n-propylamine
Concen: 12.303 ng
RT: 7.551 min Scan# 844
Delta R.T. 0.147 min
Lab File: BF132686.D
Acq: 07 Mar 2023 19:38

Tgt Ion: 70 Resp: 118009
Ion Ratio Lower Upper
70 100
42 40.0 44.1 66.1#
101 0.0 7.4 11.2#
130 2.1 14.2 21.4#

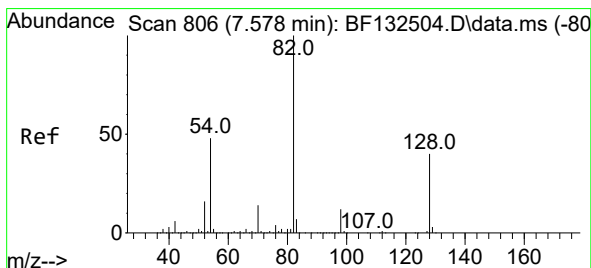
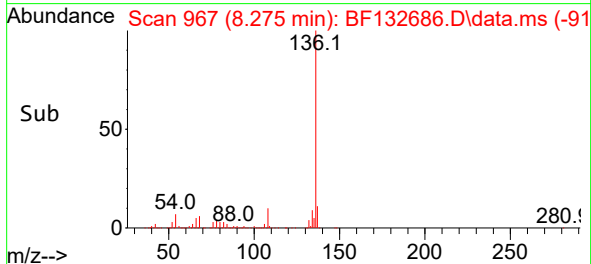
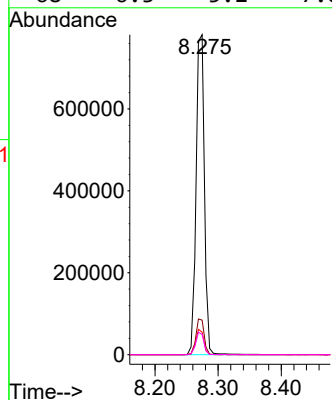
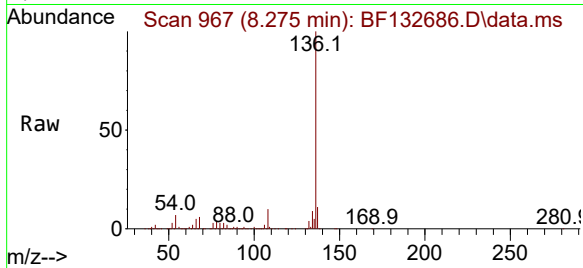




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.275 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF132686.D
Acq: 07 Mar 2023 19:38

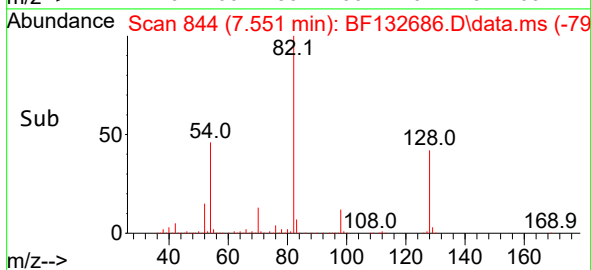
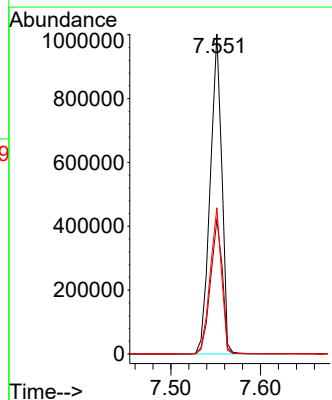
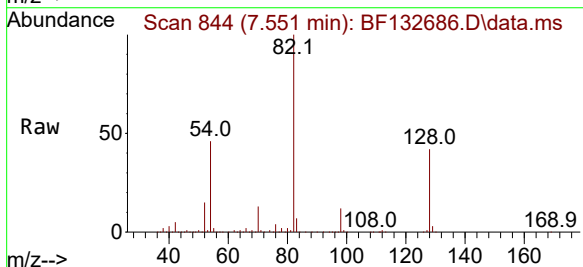
Instrument :
BNA_F
ClientSampleId :
HH-TP4-0306

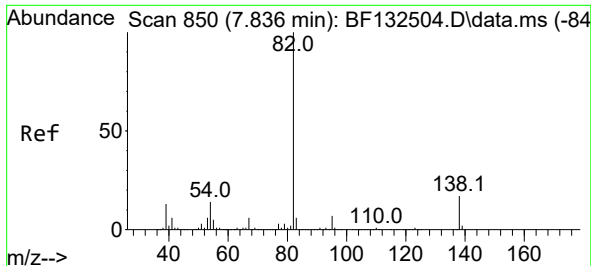
Tgt Ion:136 Resp: 715369
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 7.0 6.2 9.4
68 6.3 5.2 7.8



#23
Nitrobenzene-d5
Concen: 59.674 ng
RT: 7.551 min Scan# 844
Delta R.T. -0.012 min
Lab File: BF132686.D
Acq: 07 Mar 2023 19:38

Tgt Ion: 82 Resp: 899767
Ion Ratio Lower Upper
82 100
128 41.9 32.2 48.2
54 45.7 38.4 57.6

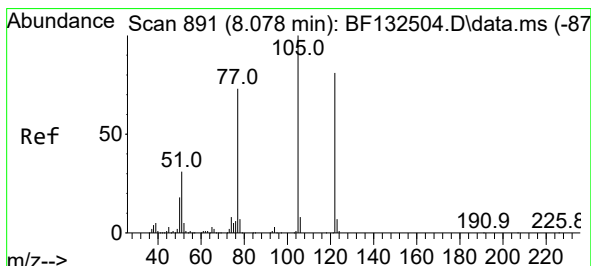
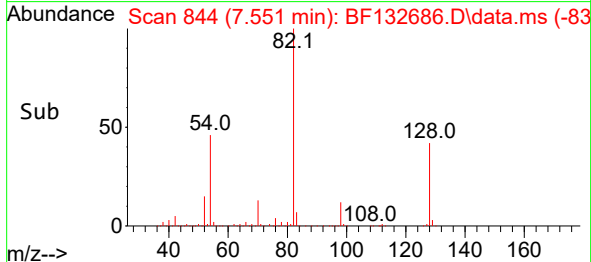
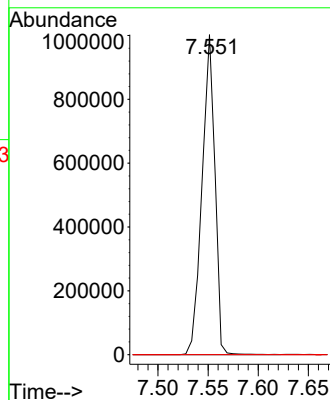
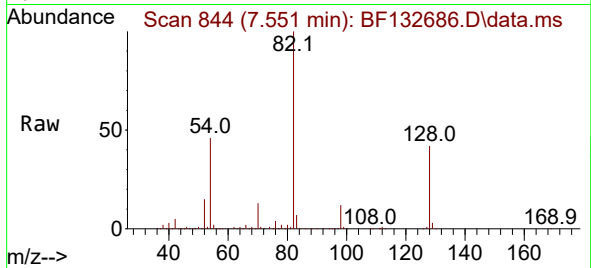




#25
Isophorone
Concen: 31.078 ng
RT: 7.551 min Scan# 84
Delta R.T. -0.265 min
Lab File: BF132686.D
Acq: 07 Mar 2023 19:38

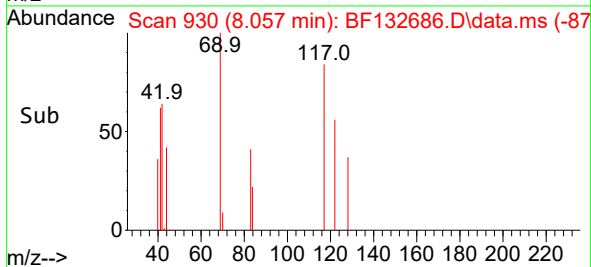
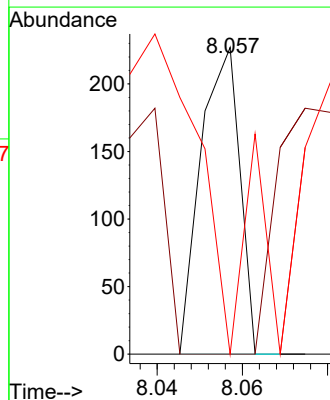
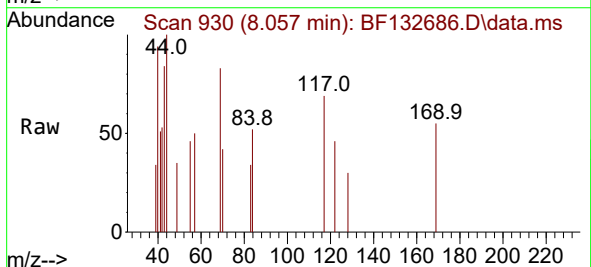
Instrument :
BNA_F
ClientSampleId :
HH-TP4-0306

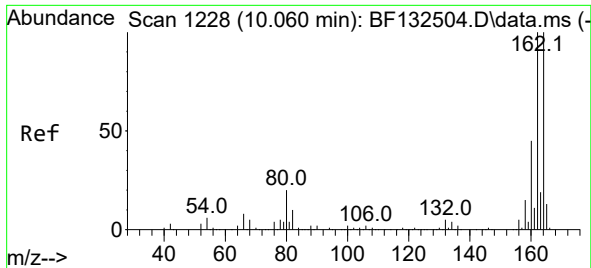
Tgt Ion: 82 Resp: 898401
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.3 19.9#



#32
Benzoic acid
Concen: 3.851 ng
RT: 8.057 min Scan# 930
Delta R.T. -0.000 min
Lab File: BF132686.D
Acq: 07 Mar 2023 19:38

Tgt Ion:122 Resp: 144
Ion Ratio Lower Upper
122 100
105 0.0 102.6 142.6#
77 0.0 70.2 110.2#

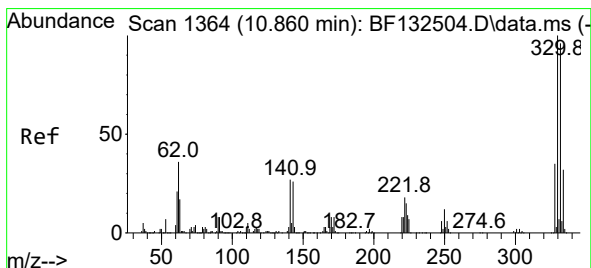
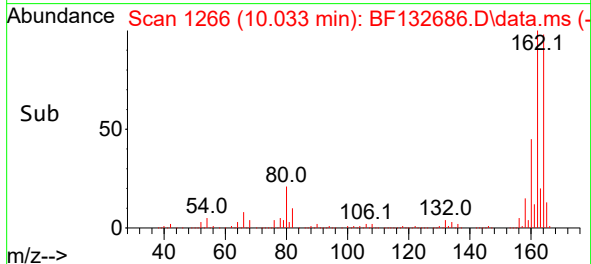
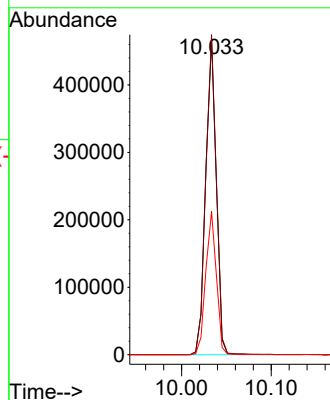
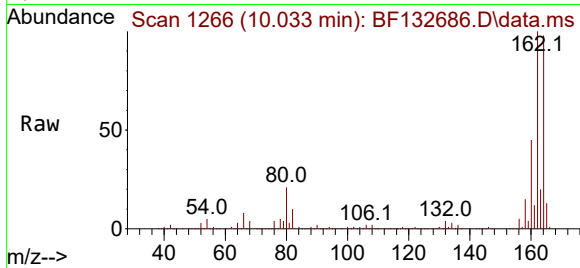




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.033 min Scan# 1400
Delta R.T. -0.006 min
Lab File: BF132686.D
Acq: 07 Mar 2023 19:38

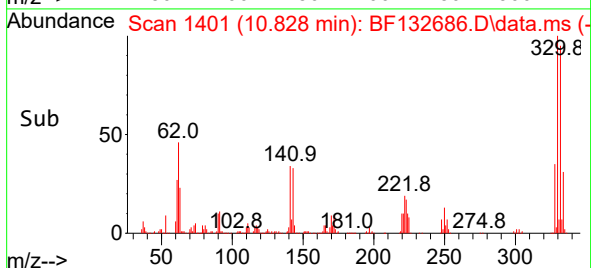
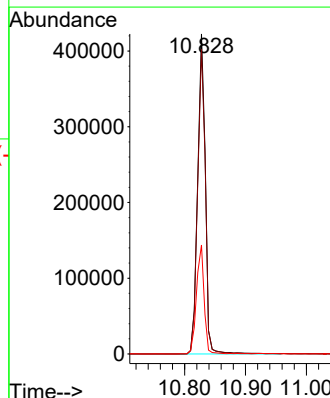
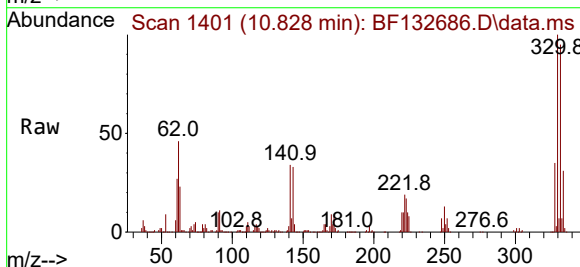
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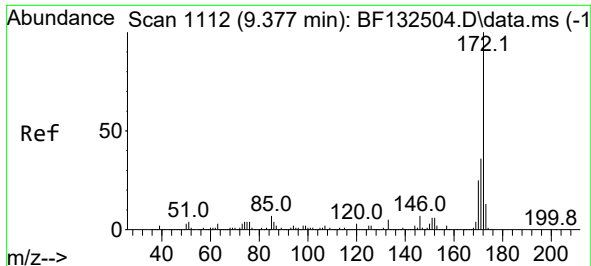
Tgt Ion:164 Resp: 383144
Ion Ratio Lower Upper
164 100
162 101.7 79.8 119.8
160 45.5 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 89.406 ng
RT: 10.828 min Scan# 1401
Delta R.T. -0.006 min
Lab File: BF132686.D
Acq: 07 Mar 2023 19:38

Tgt Ion:330 Resp: 369945
Ion Ratio Lower Upper
330 100
332 96.4 76.2 114.4
141 34.2 28.4 42.6





#45

2-Fluorobiphenyl

Concen: 57.186 ng

RT: 9.345 min Scan# 1112

Delta R.T. -0.012 min

Lab File: BF132686.D

Acq: 07 Mar 2023 19:38

Instrument :

BNA_F

ClientSampleId :

HH-TP4-0306

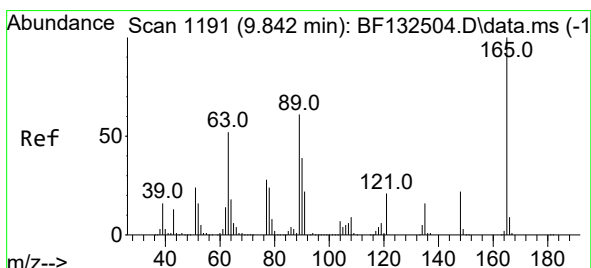
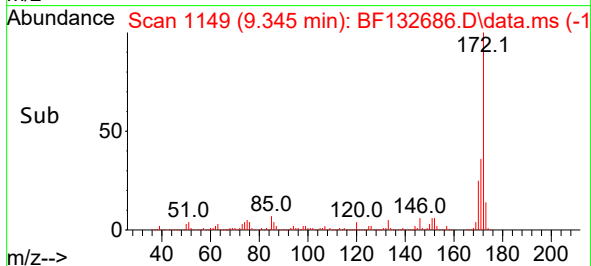
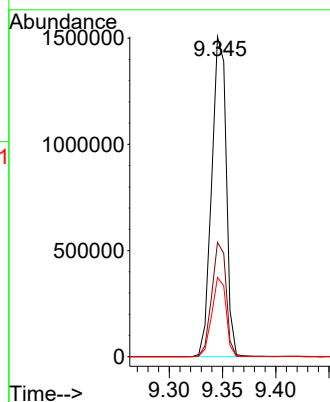
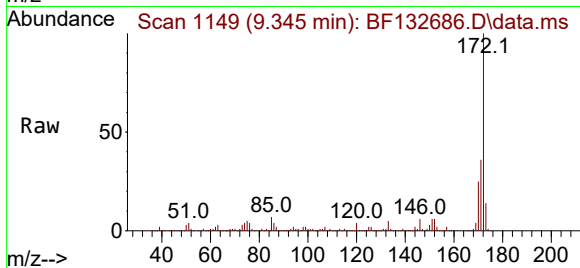
Tgt Ion:172 Resp: 1438955

Ion Ratio Lower Upper

172 100

171 35.7 28.8 43.2

170 24.8 19.7 29.5



#51

2,6-Dinitrotoluene

Concen: 7.962 ng

RT: 10.033 min Scan# 1266

Delta R.T. 0.212 min

Lab File: BF132686.D

Acq: 07 Mar 2023 19:38

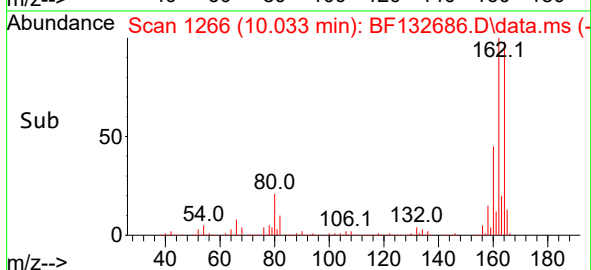
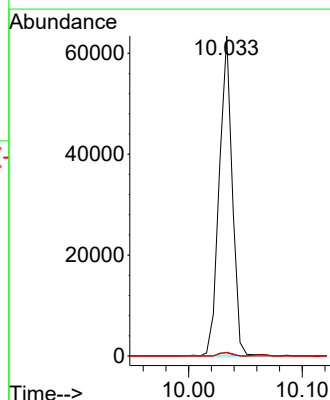
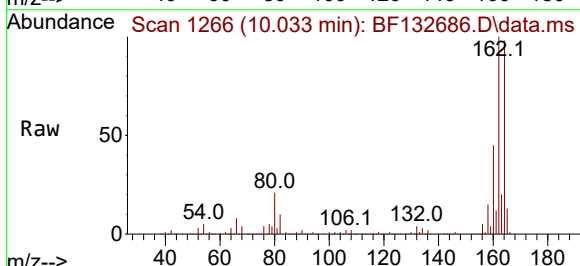
Tgt Ion:165 Resp: 50588

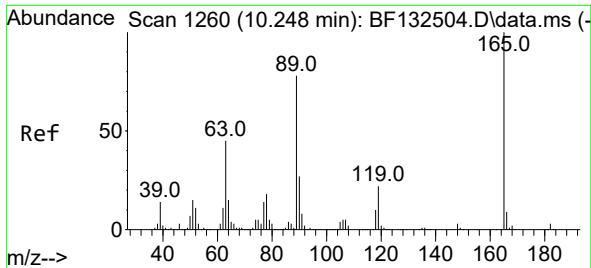
Ion Ratio Lower Upper

165 100

63 1.0 47.3 70.9#

89 1.2 48.9 73.3#

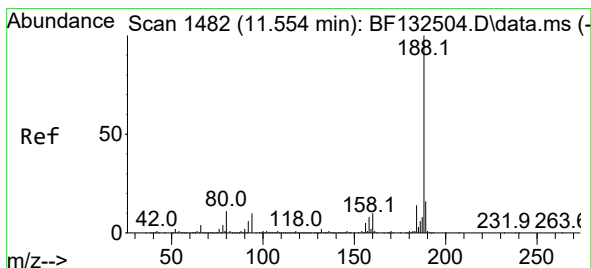
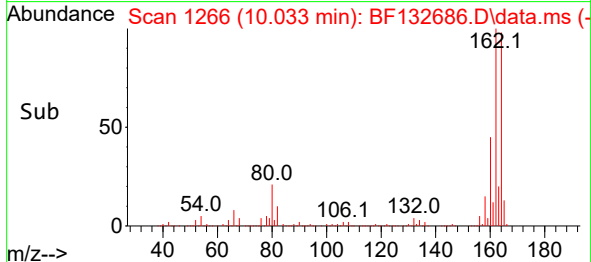
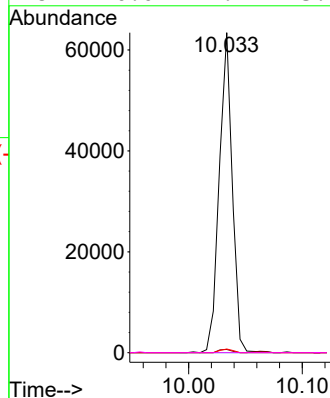
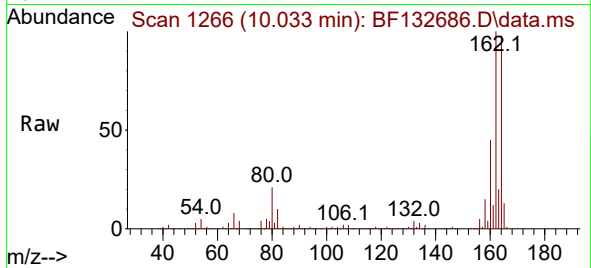




#57
2,4-Dinitrotoluene
Concen: 5.985 ng
RT: 10.033 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF132686.D
Acq: 07 Mar 2023 19:38

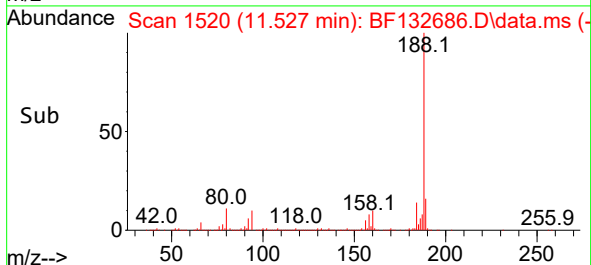
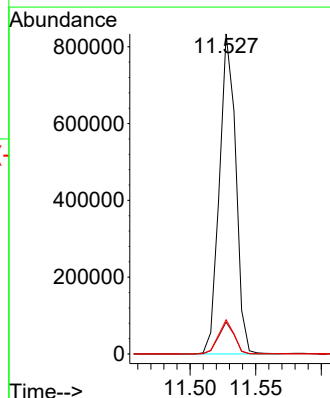
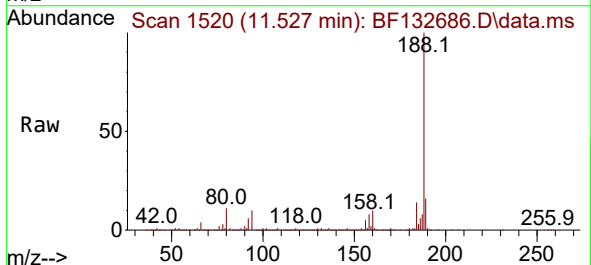
Instrument :
BNA_F
ClientSampleId :
HH-TP4-0306

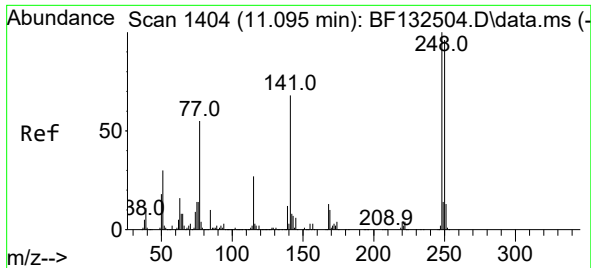
Tgt Ion:165 Resp: 50588
Ion Ratio Lower Upper
165 100
63 1.0 36.5 54.7#
89 1.2 62.4 93.6#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.527 min Scan# 1520
Delta R.T. -0.006 min
Lab File: BF132686.D
Acq: 07 Mar 2023 19:38

Tgt Ion:188 Resp: 722402
Ion Ratio Lower Upper
188 100
94 10.0 8.3 12.5
80 10.7 8.7 13.1

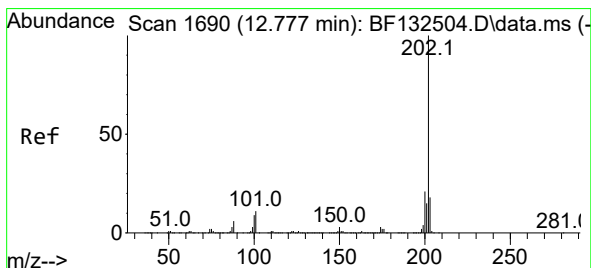
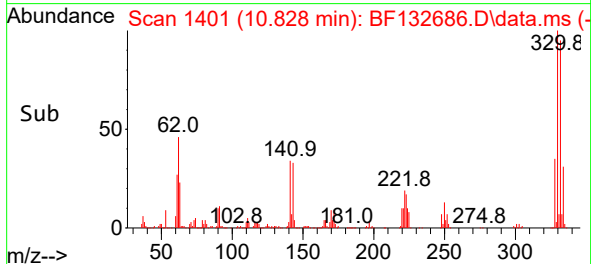
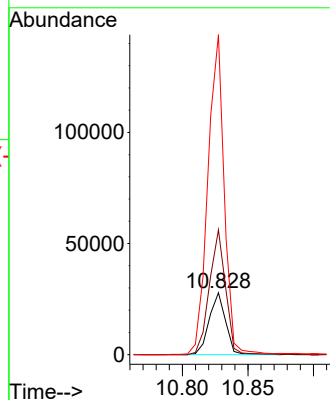
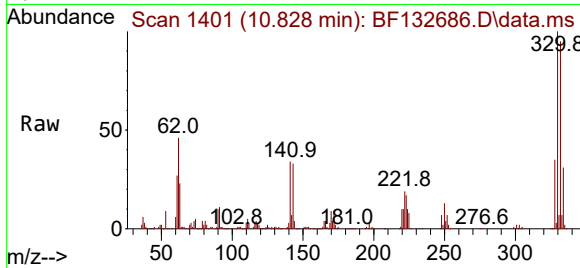




#67
4-Bromophenyl-phenylether
Concen: 2.976 ng
RT: 10.828 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF132686.D
Acq: 07 Mar 2023 19:38

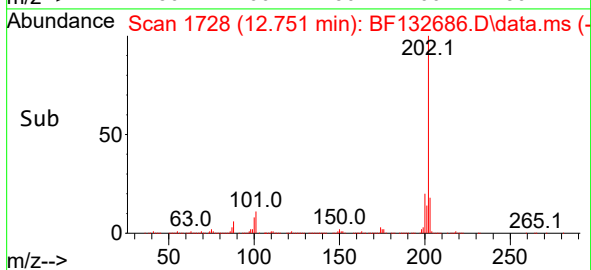
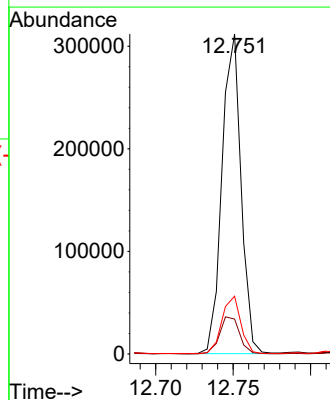
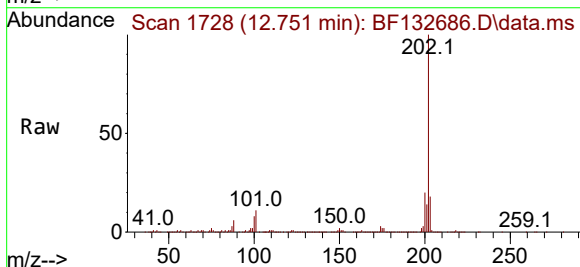
Instrument :
BNA_F
ClientSampleId :
HH-TP4-0306

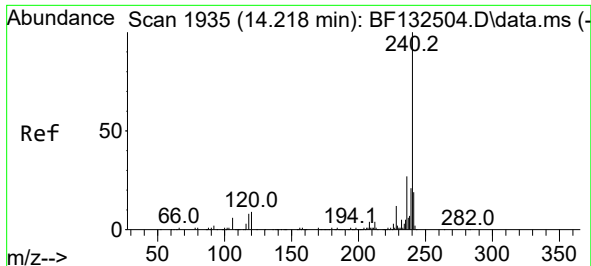
Tgt Ion:248 Resp: 24320
Ion Ratio Lower Upper
248 100
250 201.4 77.0 115.4#
141 516.3 54.2 81.2#



#75
Fluoranthene
Concen: 6.509 ng
RT: 12.751 min Scan# 1728
Delta R.T. -0.006 min
Lab File: BF132686.D
Acq: 07 Mar 2023 19:38

Tgt Ion:202 Resp: 266302
Ion Ratio Lower Upper
202 100
101 10.9 0.0 31.4
203 18.1 0.0 38.0

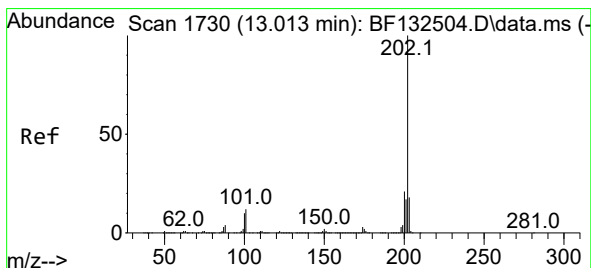
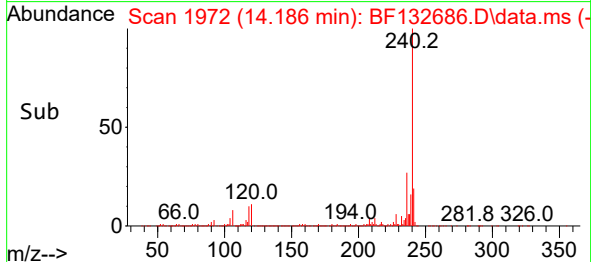
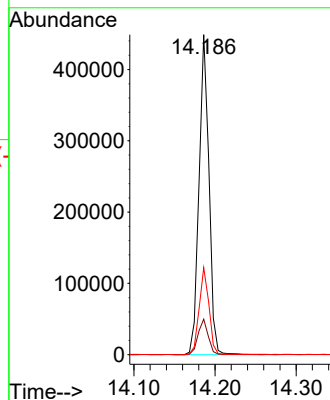
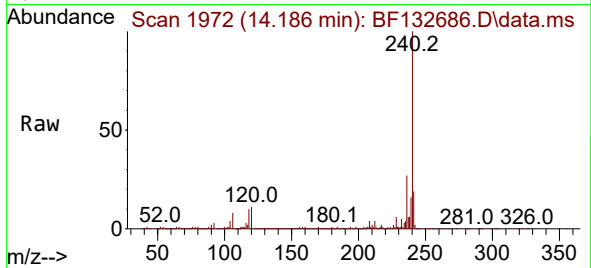




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.186 min Scan# 1935
Delta R.T. -0.012 min
Lab File: BF132686.D
Acq: 07 Mar 2023 19:38

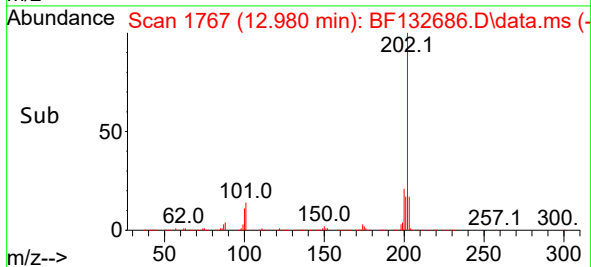
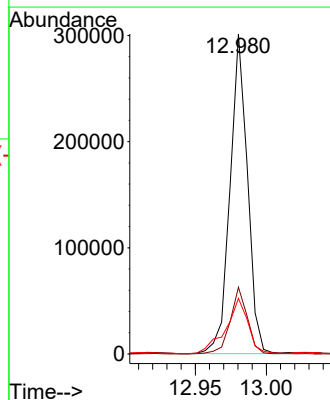
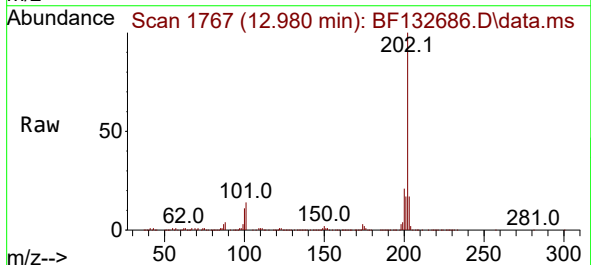
Instrument :
BNA_F
ClientSampleId :
HH-TP4-0306

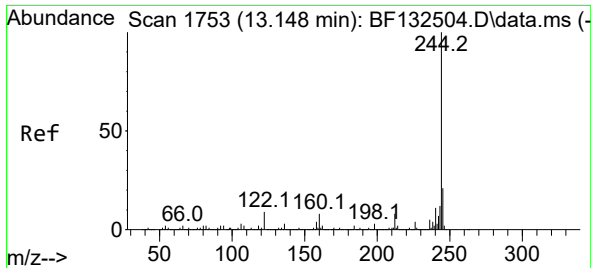
Tgt Ion:240 Resp: 383791
Ion Ratio Lower Upper
240 100
120 11.1 7.2 10.8#
236 27.2 21.8 32.6



#78
Pyrene
Concen: 7.387 ng
RT: 12.980 min Scan# 1767
Delta R.T. -0.012 min
Lab File: BF132686.D
Acq: 07 Mar 2023 19:38

Tgt Ion:202 Resp: 257745
Ion Ratio Lower Upper
202 100
200 20.9 17.1 25.7
203 17.4 14.6 21.8

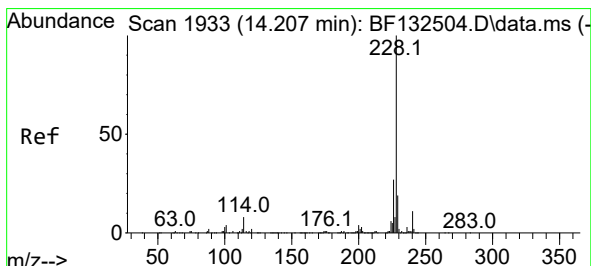
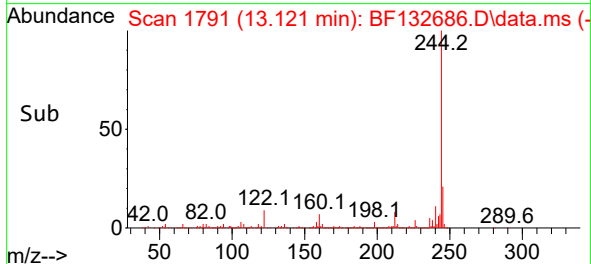
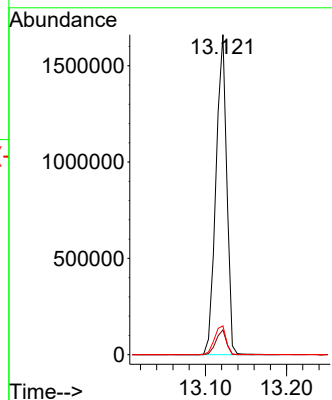
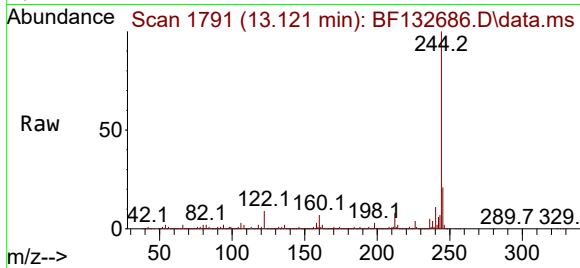




#79
 Terphenyl-d14
 Concen: 67.370 ng
 RT: 13.121 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF132686.D
 Acq: 07 Mar 2023 19:38

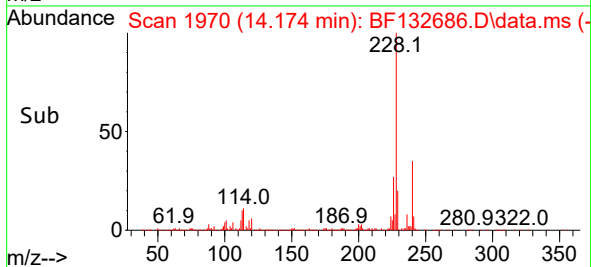
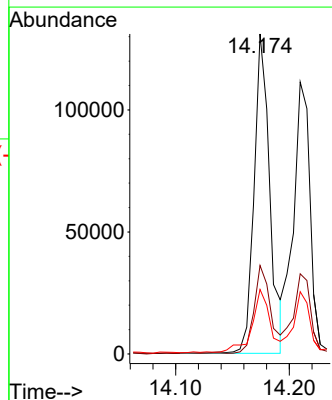
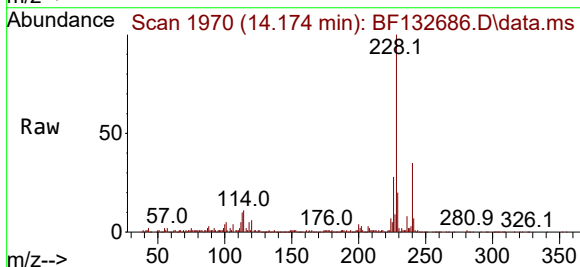
Instrument :
 BNA_F
 ClientSampleId :
 HH-TP4-0306

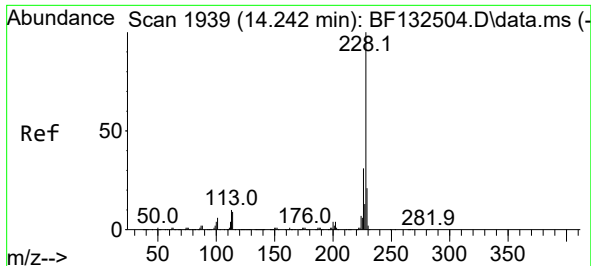
Tgt Ion:244 Resp: 1529267
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.5 9.7
 122 9.0 7.5 11.3



#81
 Benzo(a)anthracene
 Concen: 4.389 ng
 RT: 14.174 min Scan# 1970
 Delta R.T. -0.012 min
 Lab File: BF132686.D
 Acq: 07 Mar 2023 19:38

Tgt Ion:228 Resp: 126048
 Ion Ratio Lower Upper
 228 100
 226 27.7 21.7 32.5
 229 20.1 15.4 23.2





#83

Chrysene

Concen: 4.272 ng

RT: 14.210 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF132686.D

Acq: 07 Mar 2023 19:38

Instrument :

BNA_F

ClientSampleId :

HH-TP4-0306

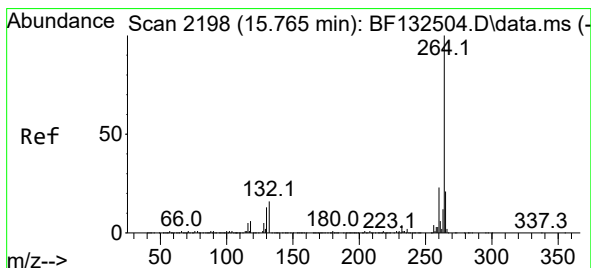
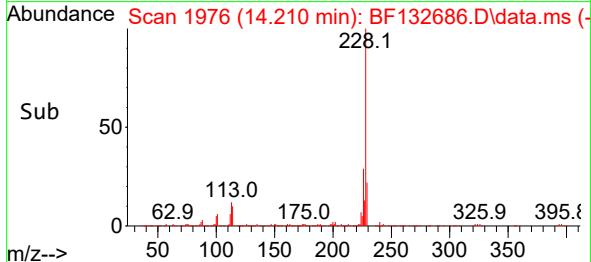
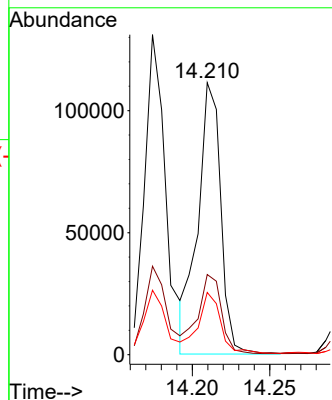
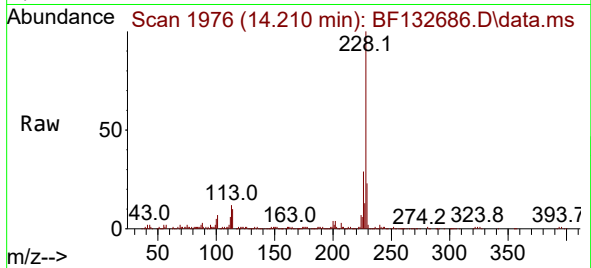
Tgt Ion:228 Resp: 114709

Ion Ratio Lower Upper

228 100

226 29.4 25.0 37.6

229 22.9 16.4 24.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.733 min Scan# 2235

Delta R.T. -0.006 min

Lab File: BF132686.D

Acq: 07 Mar 2023 19:38

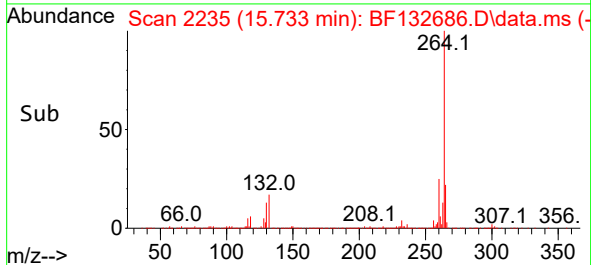
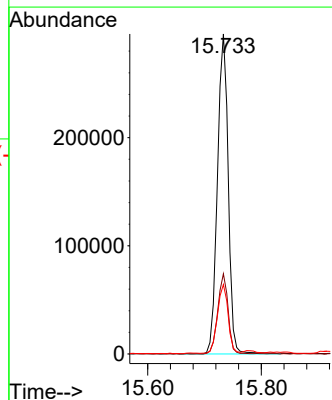
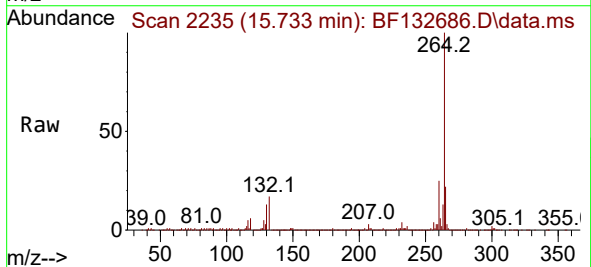
Tgt Ion:264 Resp: 391125

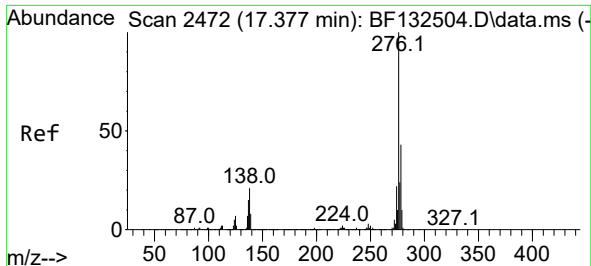
Ion Ratio Lower Upper

264 100

260 25.0 18.8 28.2

265 21.7 17.1 25.7

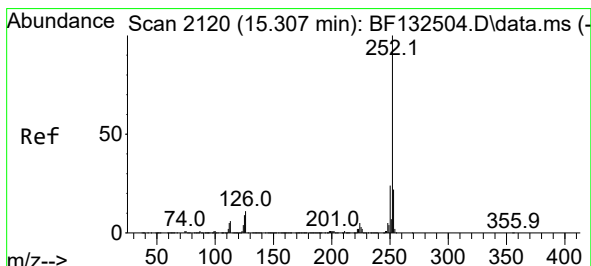
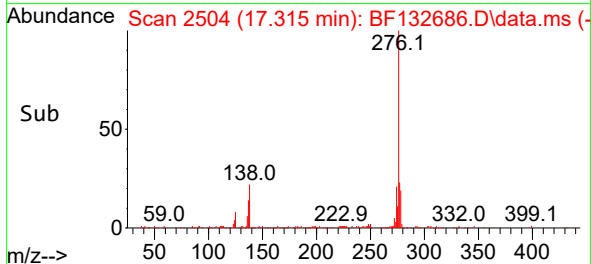
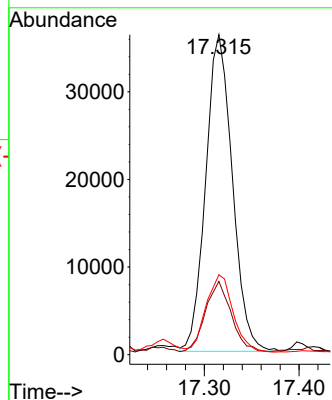
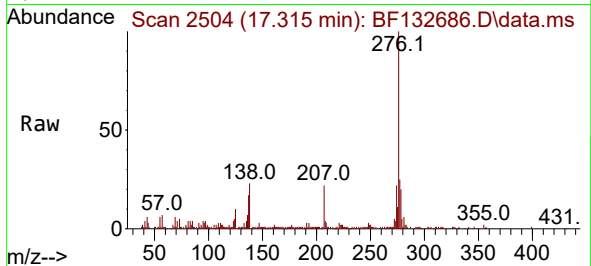




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.766 ng
RT: 17.315 min Scan# 2156
Delta R.T. -0.029 min
Lab File: BF132686.D
Acq: 07 Mar 2023 19:38

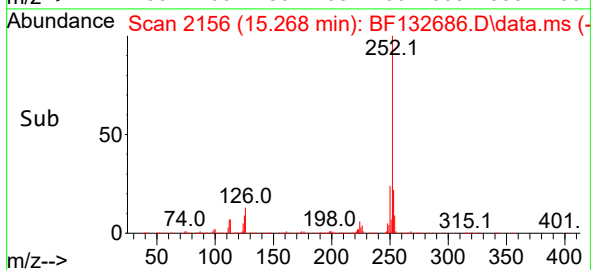
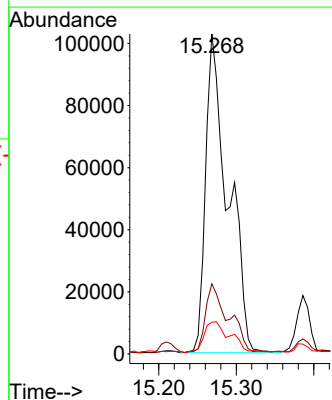
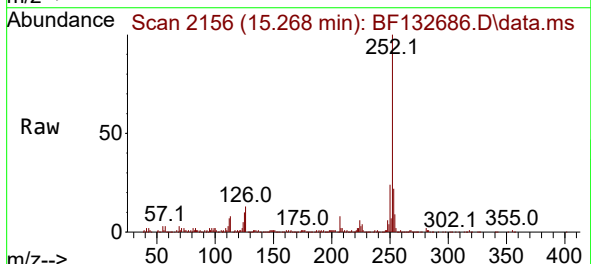
Instrument :
BNA_F
ClientSampleId :
HH-TP4-0306

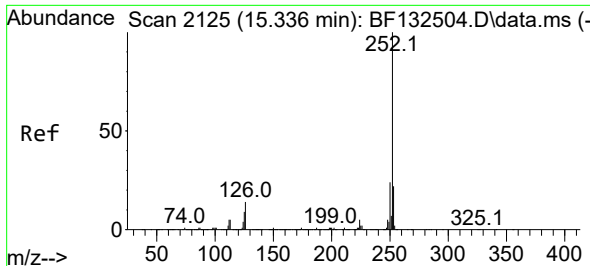
Tgt Ion:276 Resp: 70889
Ion Ratio Lower Upper
276 100
138 22.4 19.0 28.4
277 24.8 20.0 30.0



#88
Benzo(b)fluoranthene
Concen: 7.845 ng
RT: 15.268 min Scan# 2156
Delta R.T. -0.012 min
Lab File: BF132686.D
Acq: 07 Mar 2023 19:38

Tgt Ion:252 Resp: 205623
Ion Ratio Lower Upper
252 100
253 21.9 17.4 26.0
125 9.9 7.0 10.6

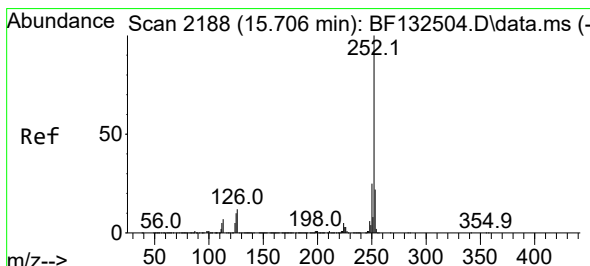
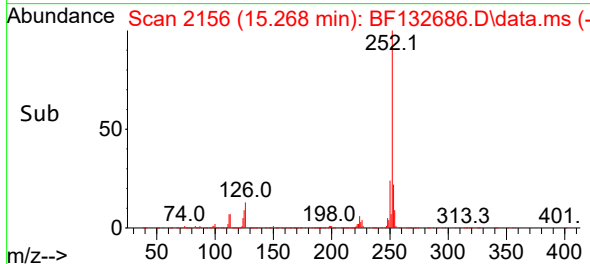
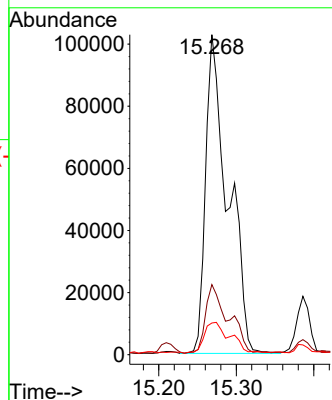
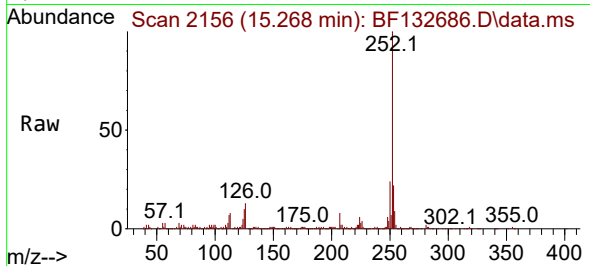




#89
Benzo(k)fluoranthene
Concen: 8.016 ng
RT: 15.268 min Scan# 2125
Delta R.T. -0.047 min
Lab File: BF132686.D
Acq: 07 Mar 2023 19:38

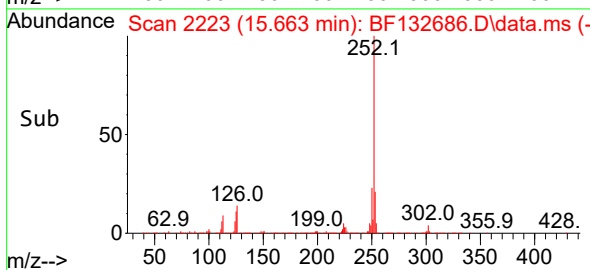
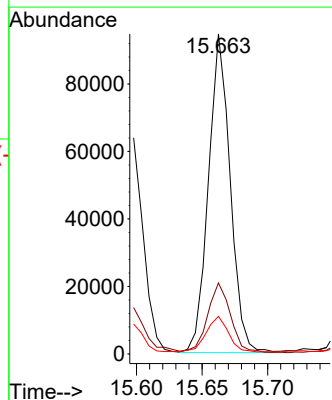
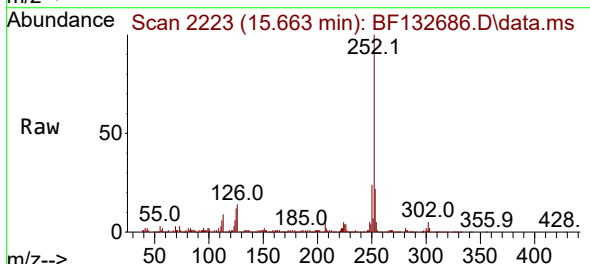
Instrument :
BNA_F
ClientSampleId :
HH-TP4-0306

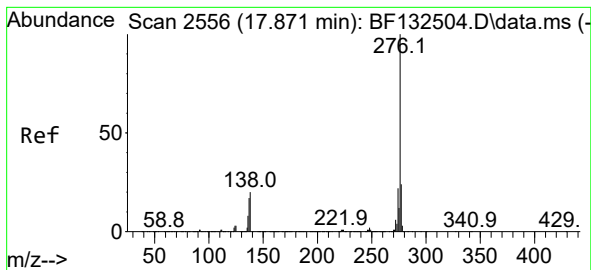
Tgt Ion:252 Resp: 205623
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 9.9 7.2 10.8



#90
Benzo(a)pyrene
Concen: 4.445 ng
RT: 15.663 min Scan# 2223
Delta R.T. -0.012 min
Lab File: BF132686.D
Acq: 07 Mar 2023 19:38

Tgt Ion:252 Resp: 109054
Ion Ratio Lower Upper
252 100
253 22.2 17.2 25.8
125 11.7 8.0 12.0





#92

Benzo(g,h,i)perylene

Concen: 4.288 ng

RT: 17.804 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF132686.D

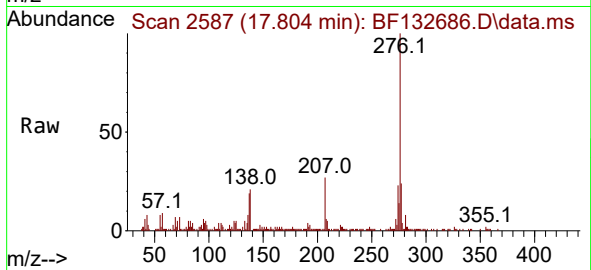
Acq: 07 Mar 2023 19:38

Instrument :

BNA_F

ClientSampleId :

HH-TP4-0306



Tgt Ion:276 Resp: 65280

Ion Ratio Lower Upper

276 100

277 24.3 18.9 28.3

138 21.0 16.2 24.4

