

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030123\
 Data File : BF132591.D
 Acq On : 01 Mar 2023 15:08
 Operator : CG\JU
 Sample : 01736-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Quant Time: Mar 02 03:17:04 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)

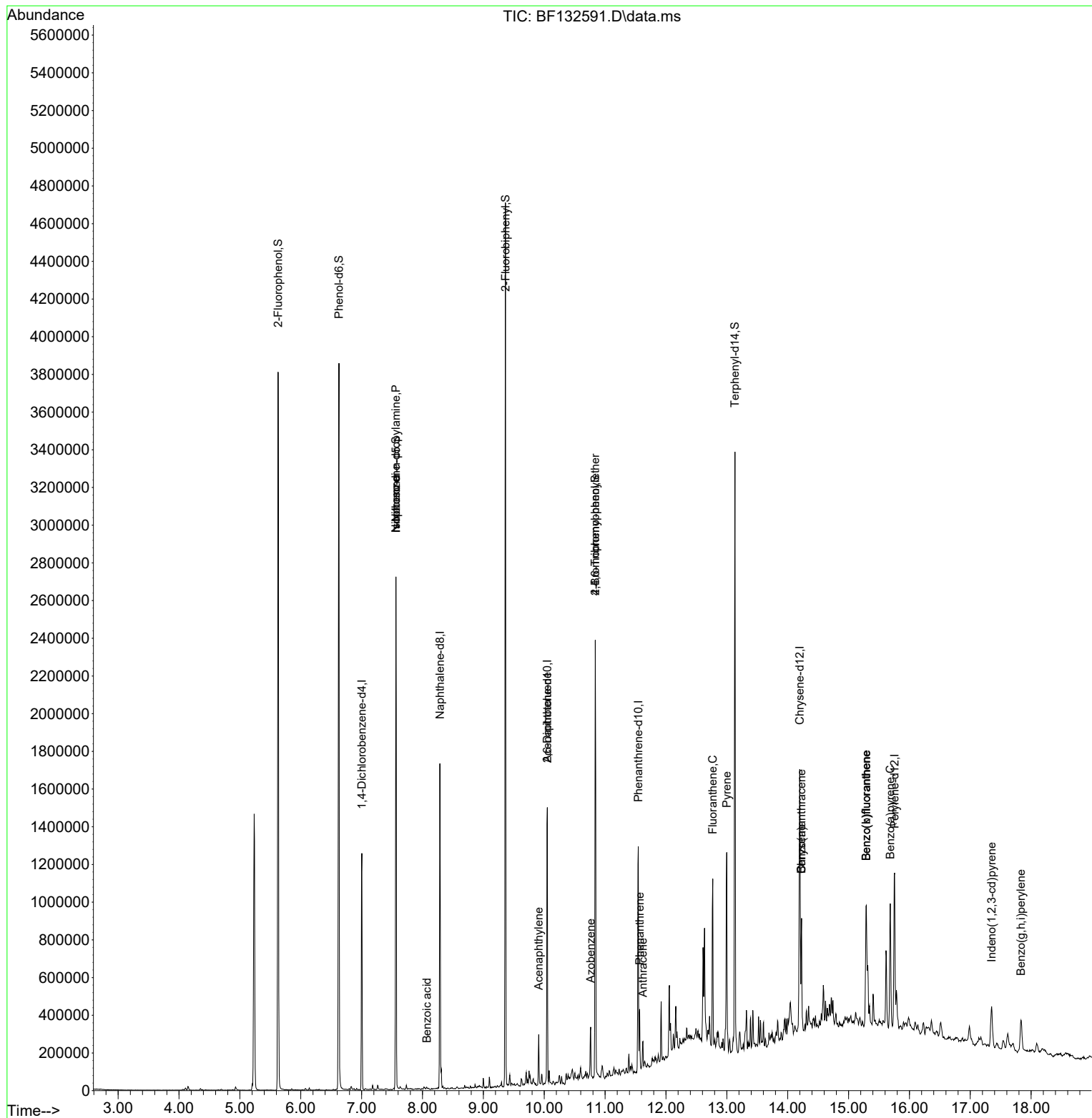
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.004	152	189976	20.000	ng	0.00
21) Naphthalene-d8	8.287	136	665525	20.000	ng	0.00
39) Acenaphthene-d10	10.051	164	303860	20.000	ng	0.00
64) Phenanthrene-d10	11.545	188	459718	20.000	ng	0.00
76) Chrysene-d12	14.198	240	378813	20.000	ng	# 0.00
86) Perylene-d12	15.757	264	422636	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.628	112	1121442	95.805	ng	0.00
7) Phenol-d6	6.628	99	1420078	92.957	ng	0.00
23) Nitrobenzene-d5	7.563	82	879760	62.717	ng	0.00
42) 2,4,6-Tribromophenol	10.839	330	266333	81.160	ng	0.00
45) 2-Fluorobiphenyl	9.363	172	1311221	65.706	ng	0.00
79) Terphenyl-d14	13.133	244	1072025	47.847	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.563	70	114248	12.152	ng	# 77
25) Isophorone	7.563	82	878880	32.680	ng	# 67
32) Benzoic acid	8.075	122	144	3.852	ng	# 25
49) Acenaphthylene	9.910	152	95272	3.283	ng	99
51) 2,6-Dinitrotoluene	10.051	165	40808	8.099	ng	# 22
63) Azobenzene	10.763	77	47228	2.064	ng	# 1
67) 4-Bromophenyl-phenylether	10.839	248	17056	3.280	ng	# 1
71) Phenanthrene	11.569	178	124228	5.216	ng	96
72) Anthracene	11.622	178	67839	2.766	ng	99
75) Fluoranthene	12.769	202	324108	12.449	ng	99
78) Pyrene	12.998	202	410060	11.906	ng	99
81) Benzo(a)anthracene	14.227	228	246965	8.713	ng	93
83) Chrysene	14.227	228	246965	9.318	ng	97
87) Indeno(1,2,3-cd)pyrene	17.351	276	160494	5.795	ng	98
88) Benzo(b)fluoranthene	15.292	252	535015	18.890	ng	# 98
89) Benzo(k)fluoranthene	15.292	252	535015	19.301	ng	# 98
90) Benzo(a)pyrene	15.686	252	331603	12.510	ng	98
92) Benzo(g,h,i)perylene	17.833	276	152692	7.401	ng	96

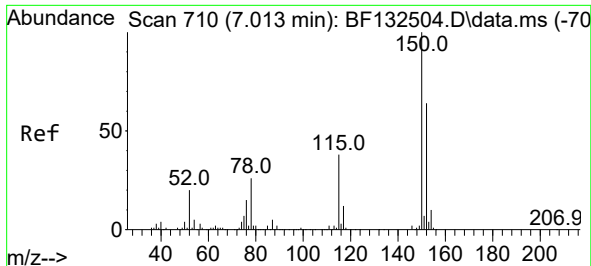
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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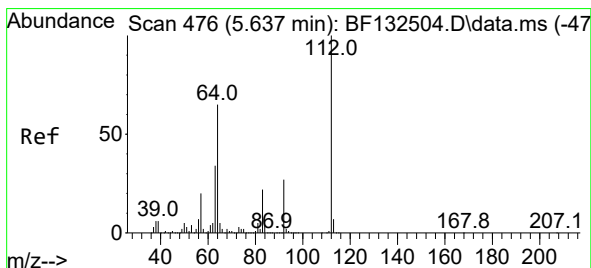
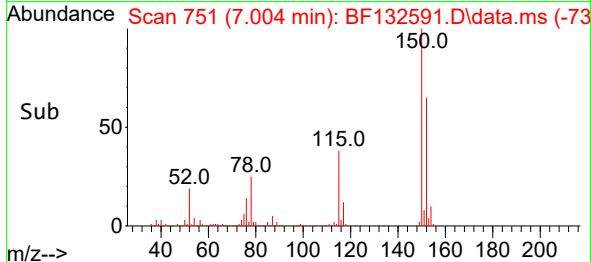
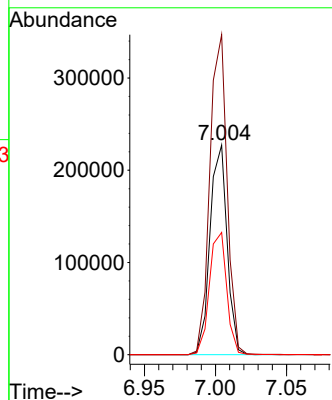
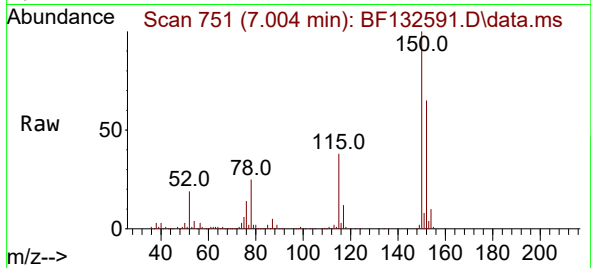




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.004 min Scan# 710
Delta R.T. -0.003 min
Lab File: BF132591.D
Acq: 01 Mar 2023 15:08

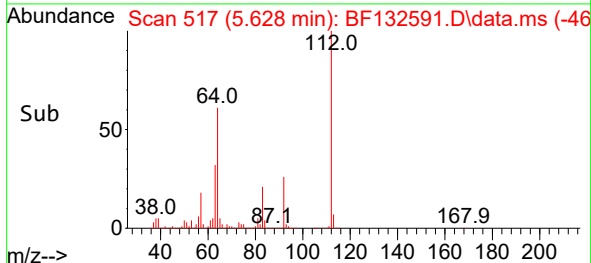
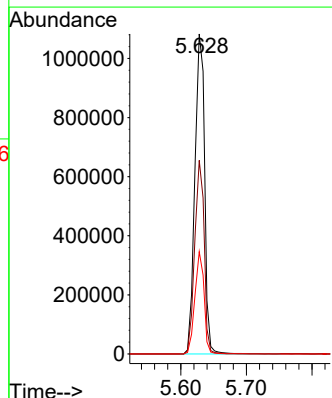
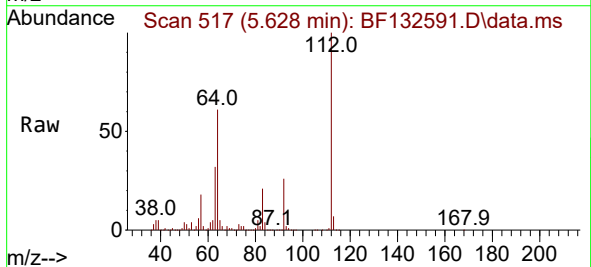
Instrument :
BNA_F
ClientSampleId :
TP-5

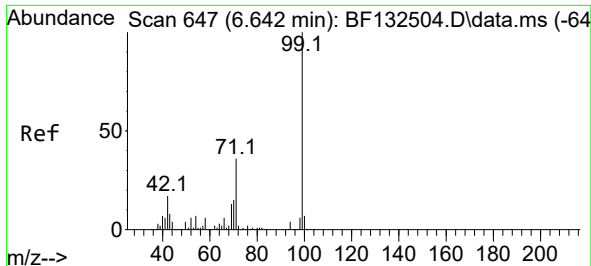
Tgt Ion:152 Resp: 189976
Ion Ratio Lower Upper
152 100
150 152.7 125.4 188.2
115 58.3 47.8 71.6



#5
2-Fluorophenol
Concen: 95.805 ng
RT: 5.628 min Scan# 517
Delta R.T. -0.003 min
Lab File: BF132591.D
Acq: 01 Mar 2023 15:08

Tgt Ion:112 Resp: 1121442
Ion Ratio Lower Upper
112 100
64 60.5 51.6 77.4
63 31.9 27.4 41.2



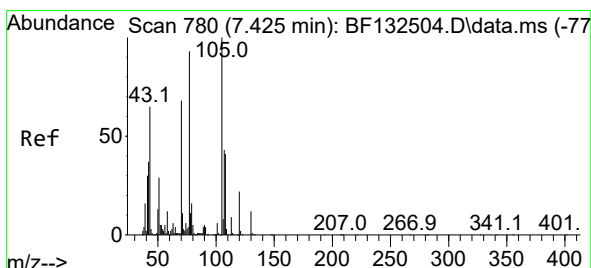
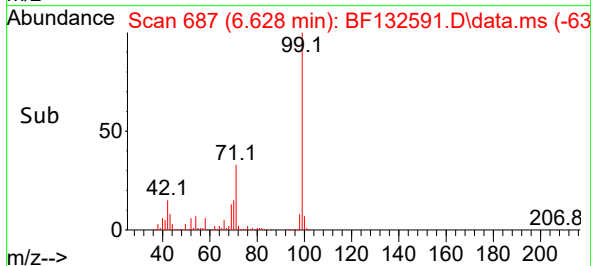
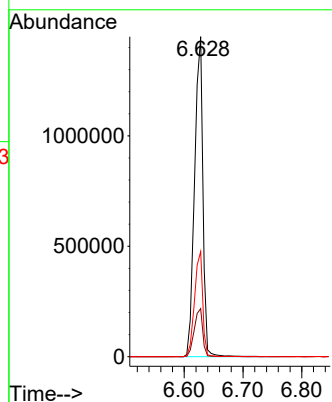
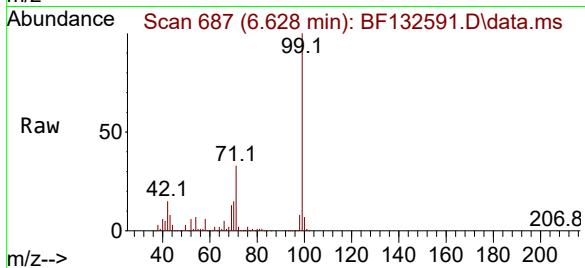


#7
Phenol-d6
Concen: 92.957 ng
RT: 6.628 min Scan# 61
Delta R.T. -0.009 min
Lab File: BF132591.D
Acq: 01 Mar 2023 15:08

Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion: 99 Resp: 1420078

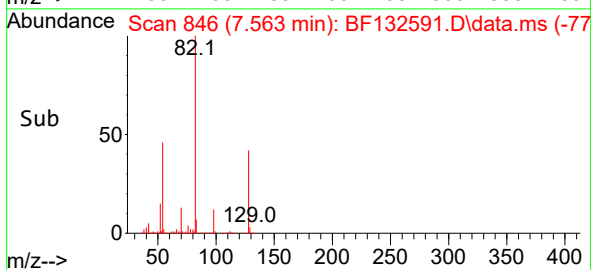
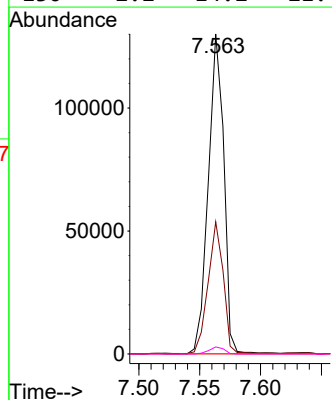
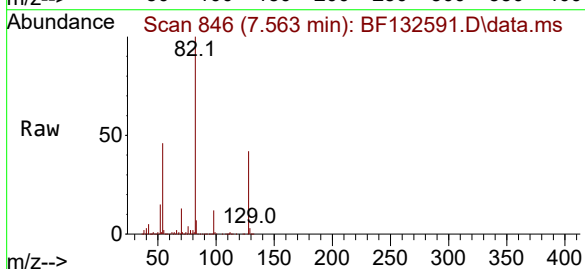
Ion	Ratio	Lower	Upper
99	100		
42	15.0	13.9	20.9
71	32.9	28.5	42.7

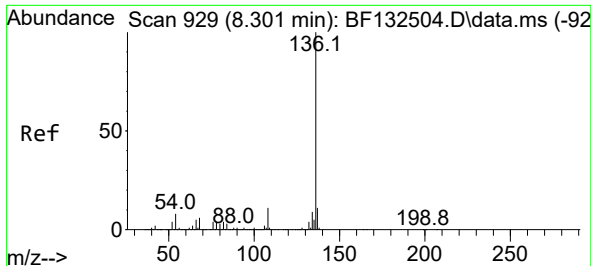


#19
n-Nitroso-di-n-propylamine
Concen: 12.152 ng
RT: 7.563 min Scan# 846
Delta R.T. 0.144 min
Lab File: BF132591.D
Acq: 01 Mar 2023 15:08

Tgt Ion: 70 Resp: 114248

Ion	Ratio	Lower	Upper
70	100		
42	41.3	44.1	66.1#
101	0.0	7.4	11.2#
130	2.2	14.2	21.4#

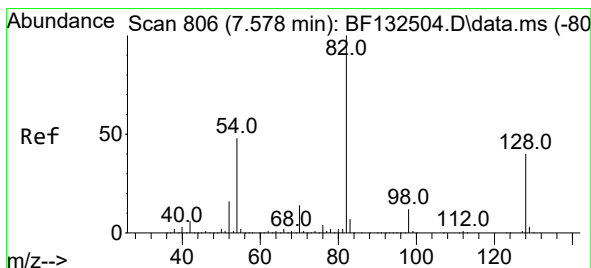
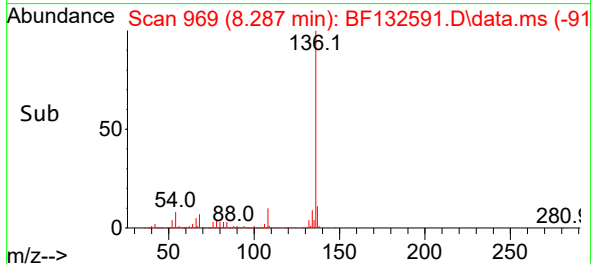
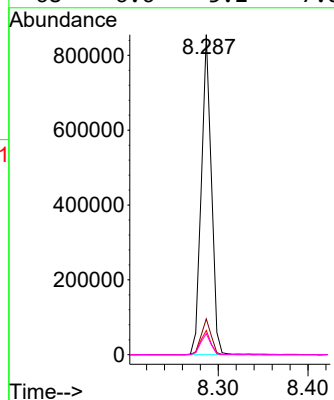
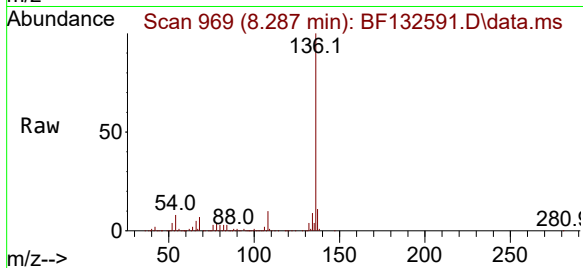




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.287 min Scan# 91
Delta R.T. -0.003 min
Lab File: BF132591.D
Acq: 01 Mar 2023 15:08

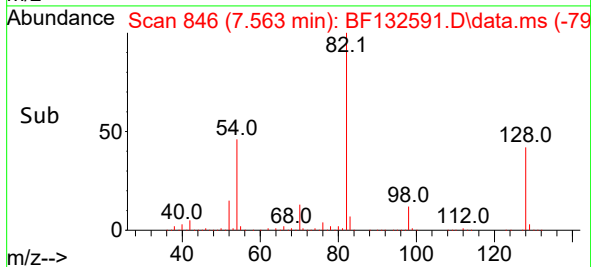
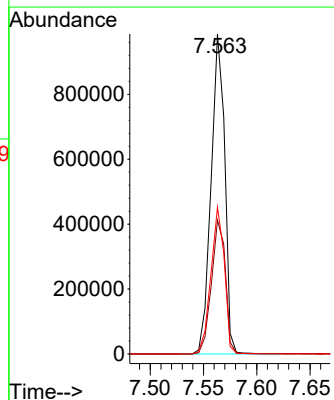
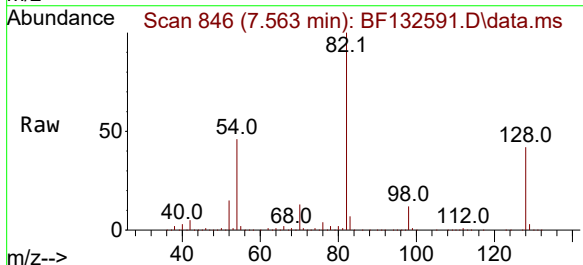
Instrument :
BNA_F
ClientSampleId :
TP-5

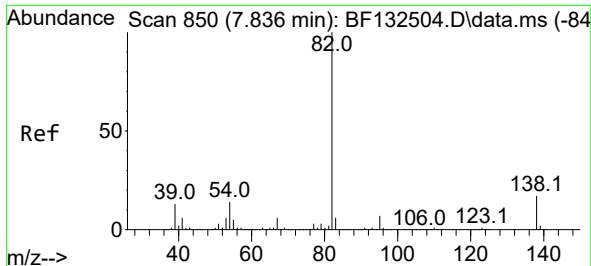
Tgt Ion:136 Resp: 665525
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 7.6 6.2 9.4
68 6.6 5.2 7.8



#23
Nitrobenzene-d5
Concen: 62.717 ng
RT: 7.563 min Scan# 846
Delta R.T. -0.009 min
Lab File: BF132591.D
Acq: 01 Mar 2023 15:08

Tgt Ion: 82 Resp: 879760
Ion Ratio Lower Upper
82 100
128 41.8 32.2 48.2
54 45.9 38.4 57.6

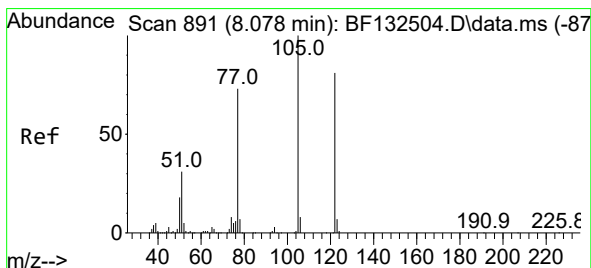
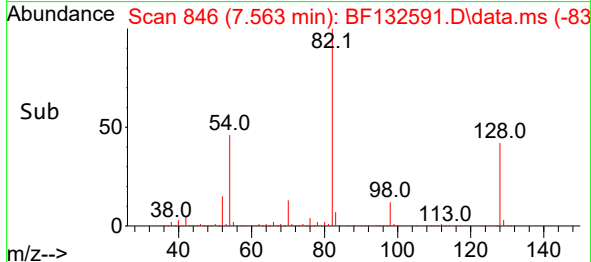
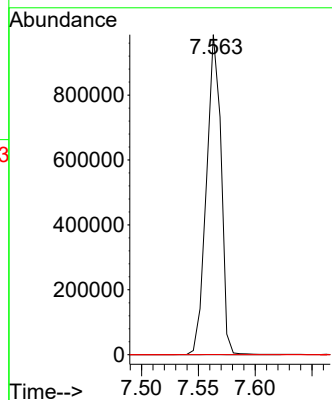
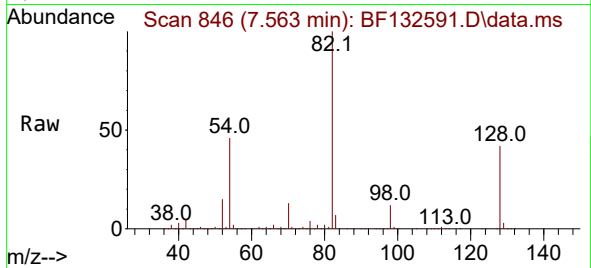




#25
Isophorone
Concen: 32.680 ng
RT: 7.563 min Scan# 84
Delta R.T. -0.262 min
Lab File: BF132591.D
Acq: 01 Mar 2023 15:08

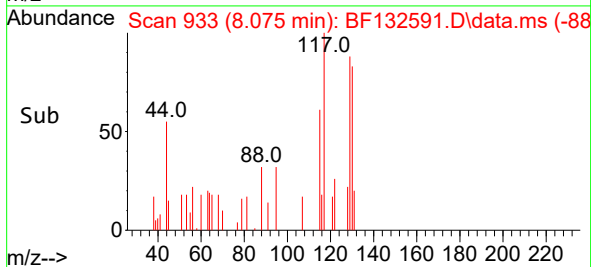
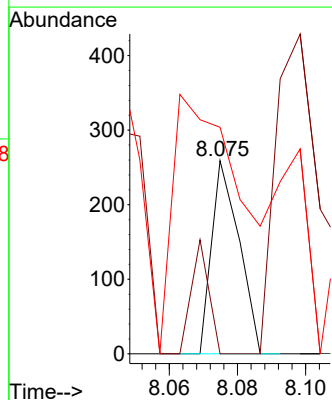
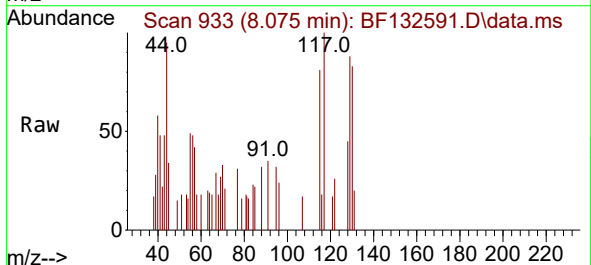
Instrument :
BNA_F
ClientSampleId :
TP-5

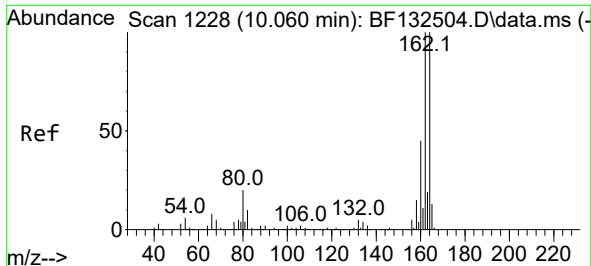
Tgt Ion: 82 Resp: 878880
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.3 19.9#



#32
Benzoic acid
Concen: 3.852 ng
RT: 8.075 min Scan# 933
Delta R.T. 0.009 min
Lab File: BF132591.D
Acq: 01 Mar 2023 15:08

Tgt Ion: 122 Resp: 144
Ion Ratio Lower Upper
122 100
105 0.0 102.6 142.6#
77 117.4 70.2 110.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.051 min Scan# 1

Delta R.T. -0.003 min

Lab File: BF132591.D

Acq: 01 Mar 2023 15:08

Instrument :

BNA_F

ClientSampleId :

TP-5

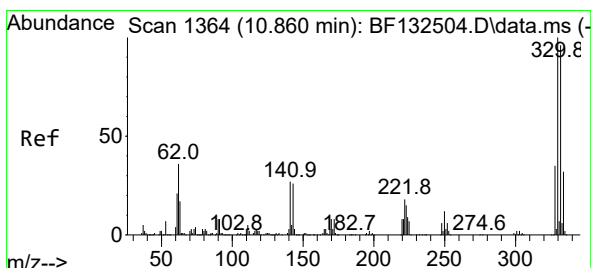
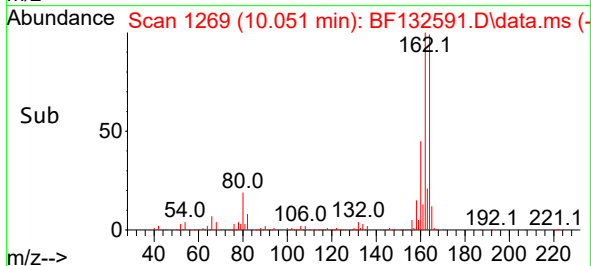
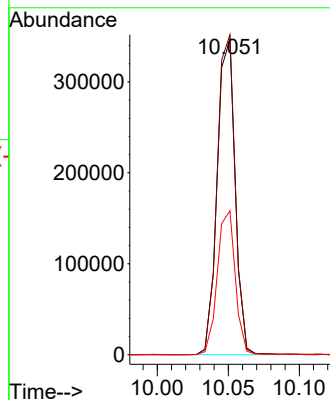
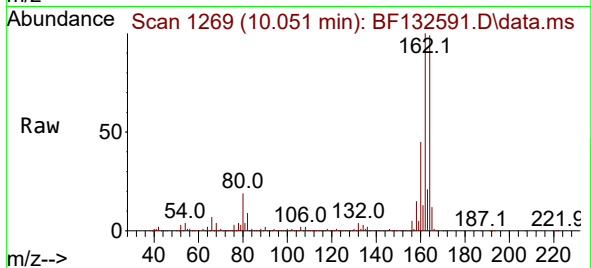
Tgt Ion:164 Resp: 303860

Ion Ratio Lower Upper

164 100

162 101.5 79.8 119.8

160 45.7 35.8 53.6



#42

2,4,6-Tribromophenol

Concen: 81.160 ng

RT: 10.839 min Scan# 1403

Delta R.T. -0.009 min

Lab File: BF132591.D

Acq: 01 Mar 2023 15:08

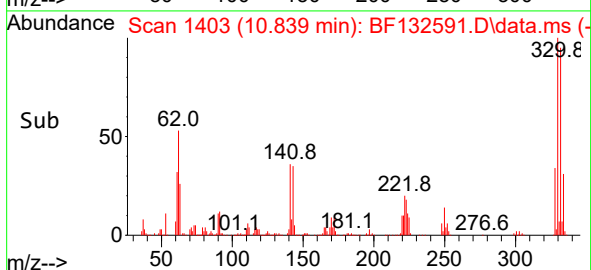
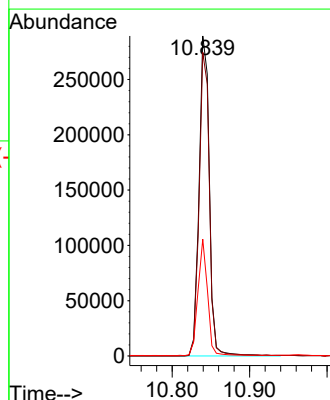
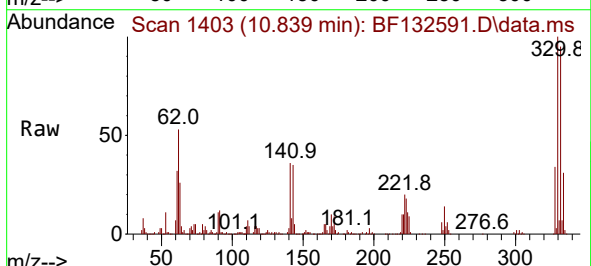
Tgt Ion:330 Resp: 266333

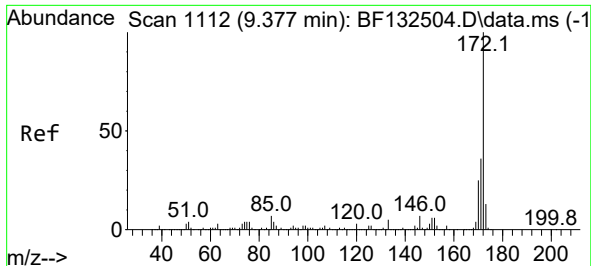
Ion Ratio Lower Upper

330 100

332 95.5 76.2 114.4

141 33.9 28.4 42.6





#45

2-Fluorobiphenyl

Concen: 65.706 ng

RT: 9.363 min Scan# 1112

Delta R.T. -0.009 min

Lab File: BF132591.D

Acq: 01 Mar 2023 15:08

Instrument :

BNA_F

ClientSampleId :

TP-5

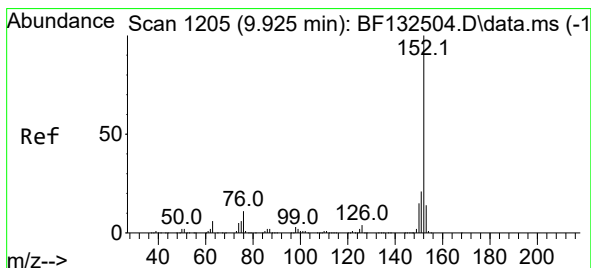
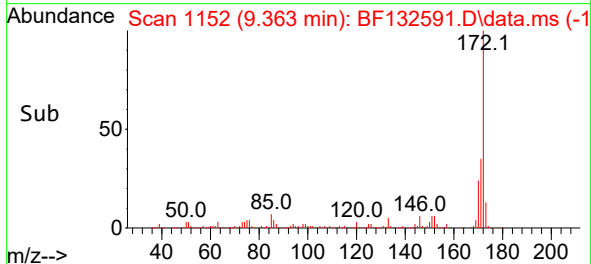
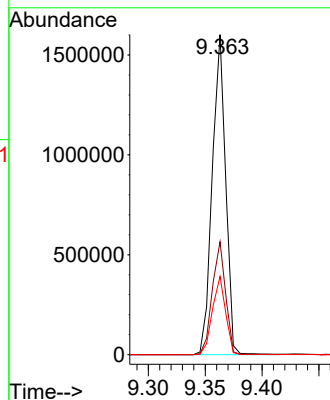
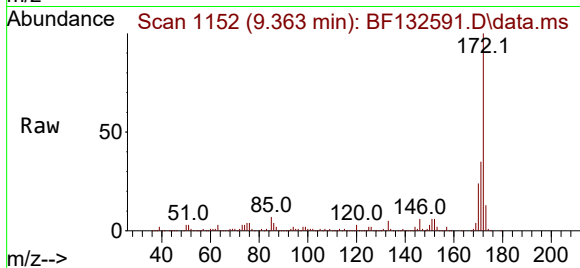
Tgt Ion:172 Resp: 1311221

Ion Ratio Lower Upper

172 100

171 35.3 28.8 43.2

170 24.4 19.7 29.5



#49

Acenaphthylene

Concen: 3.283 ng

RT: 9.910 min Scan# 1245

Delta R.T. -0.009 min

Lab File: BF132591.D

Acq: 01 Mar 2023 15:08

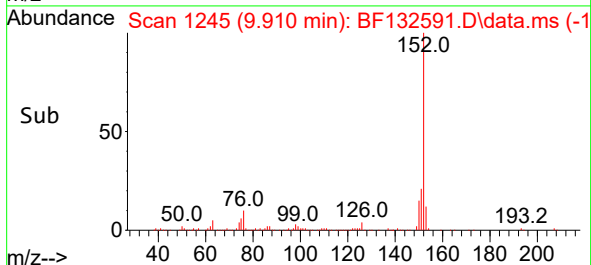
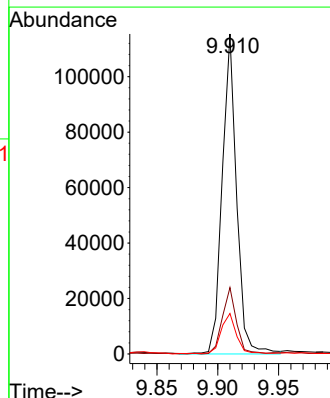
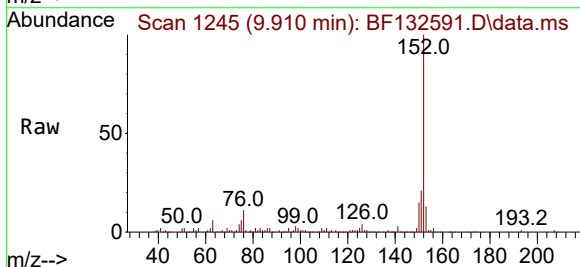
Tgt Ion:152 Resp: 95272

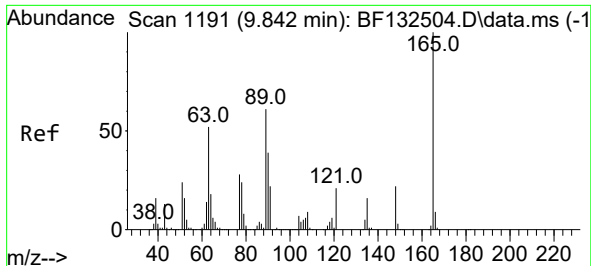
Ion Ratio Lower Upper

152 100

151 20.8 16.4 24.6

153 12.6 11.0 16.6

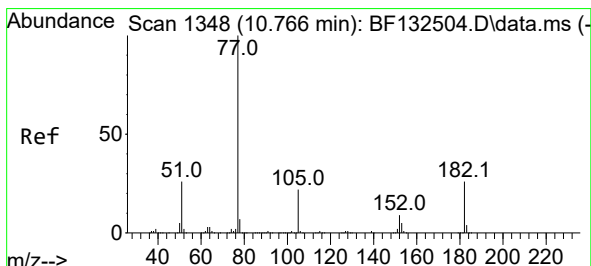
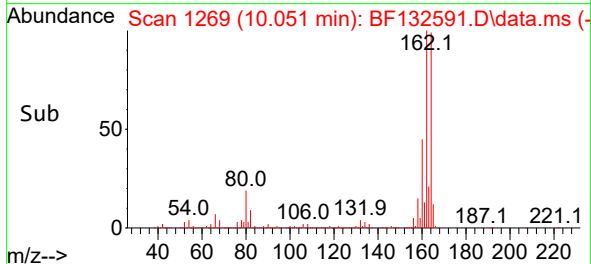
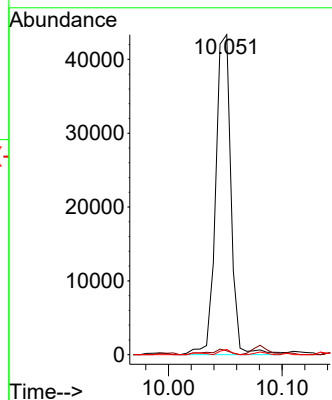
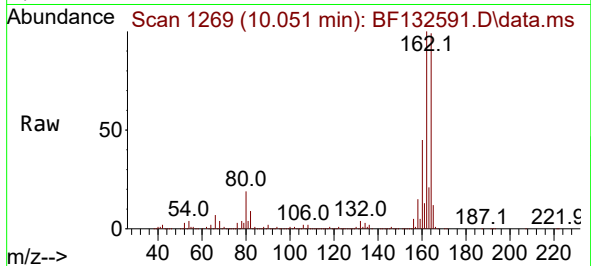




#51
2,6-Dinitrotoluene
Concen: 8.099 ng
RT: 10.051 min Scan# 1191
Delta R.T. 0.215 min
Lab File: BF132591.D
Acq: 01 Mar 2023 15:08

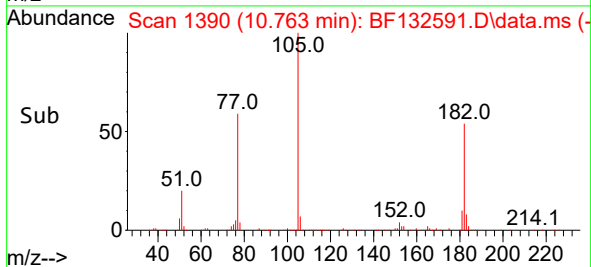
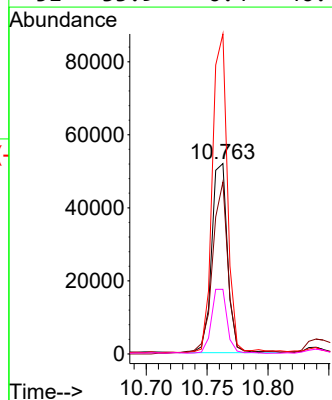
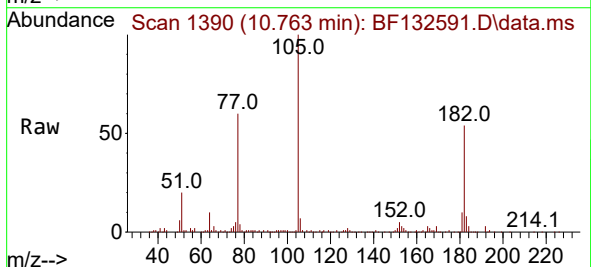
Instrument :
BNA_F
ClientSampleId :
TP-5

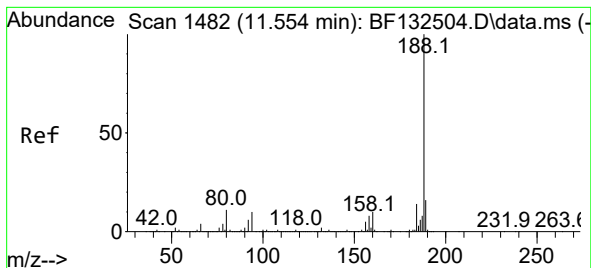
Tgt Ion:165 Resp: 40808
Ion Ratio Lower Upper
165 100
63 1.2 47.3 70.9#
89 1.7 48.9 73.3#



#63
Azobenzene
Concen: 2.064 ng
RT: 10.763 min Scan# 1390
Delta R.T. 0.009 min
Lab File: BF132591.D
Acq: 01 Mar 2023 15:08

Tgt Ion: 77 Resp: 47228
Ion Ratio Lower Upper
77 100
182 90.4 5.5 45.5#
105 168.0 1.8 41.8#
51 33.9 6.4 46.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.545 min Scan# 1

Delta R.T. -0.003 min

Lab File: BF132591.D

Acq: 01 Mar 2023 15:08

Instrument :

BNA_F

ClientSampleId :

TP-5

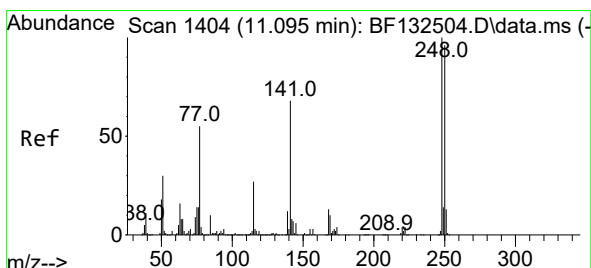
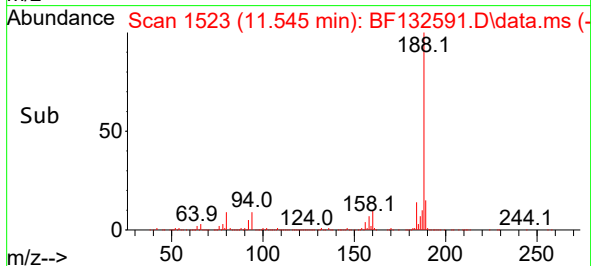
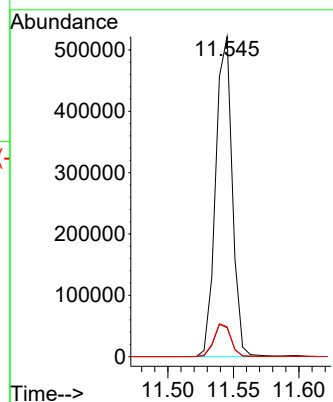
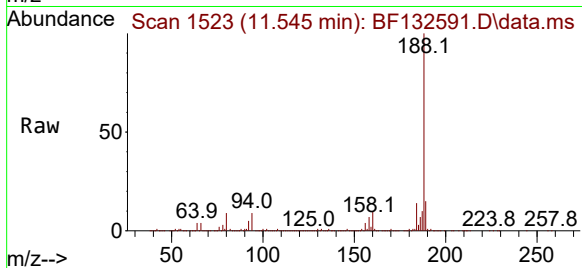
Tgt Ion:188 Resp: 459718

Ion Ratio Lower Upper

188 100

94 9.1 8.3 12.5

80 9.3 8.7 13.1



#67

4-Bromophenyl-phenylether

Concen: 3.280 ng

RT: 10.839 min Scan# 1403

Delta R.T. -0.250 min

Lab File: BF132591.D

Acq: 01 Mar 2023 15:08

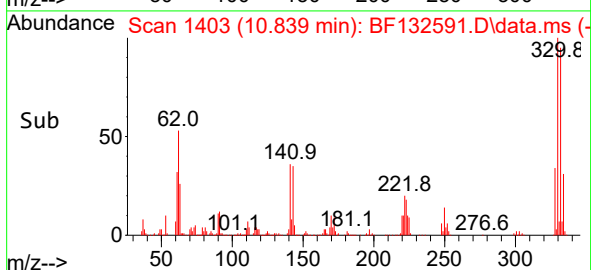
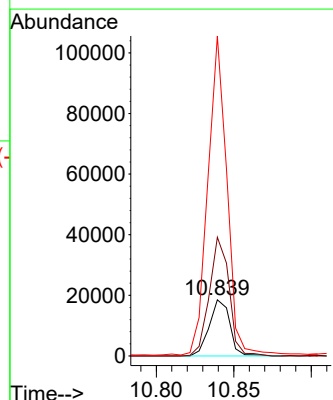
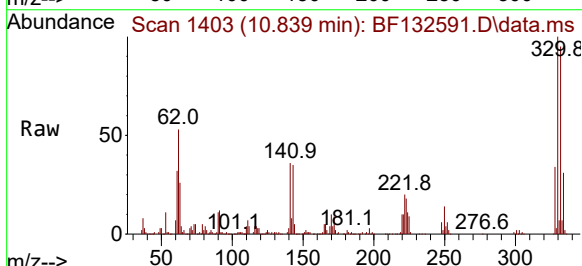
Tgt Ion:248 Resp: 17056

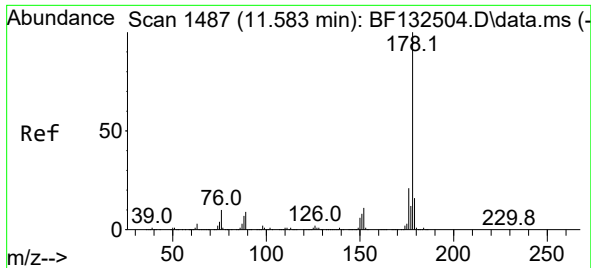
Ion Ratio Lower Upper

248 100

250 211.4 77.0 115.4#

141 569.9 54.2 81.2#

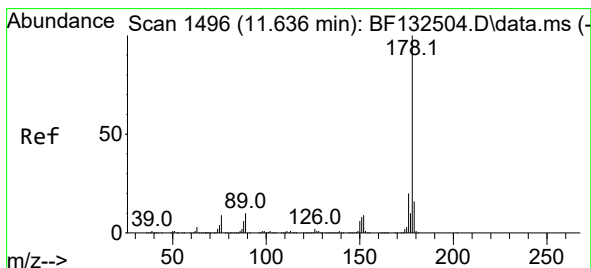
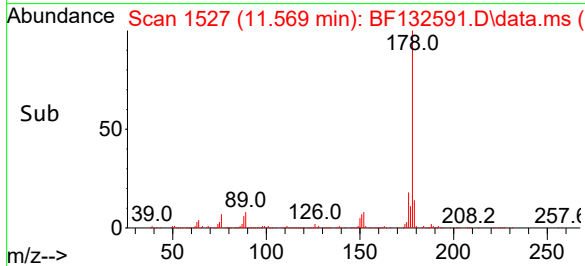
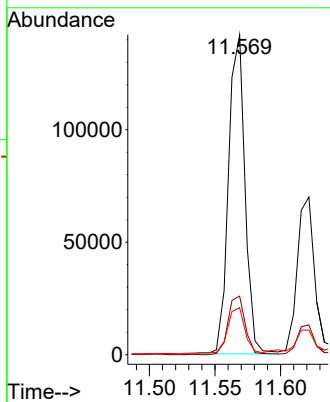
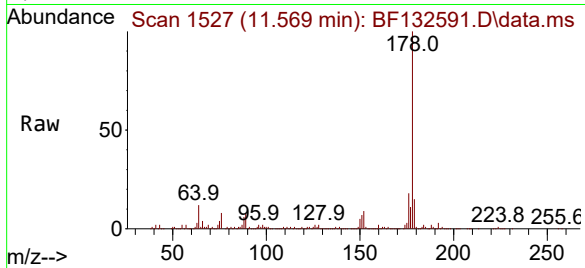




#71
Phenanthrene
Concen: 5.216 ng
RT: 11.569 min Scan# 11
Delta R.T. -0.009 min
Lab File: BF132591.D
Acq: 01 Mar 2023 15:08

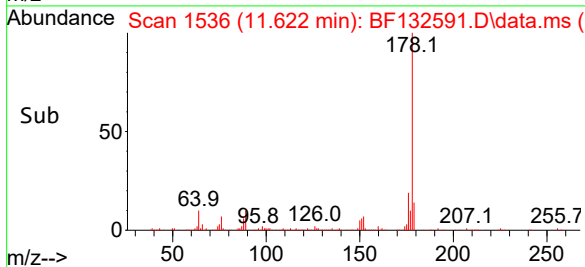
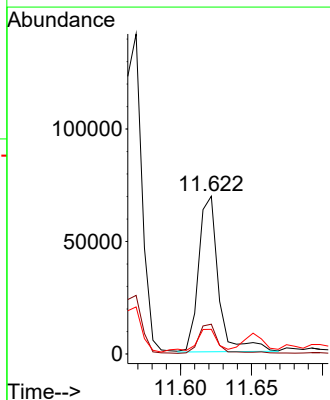
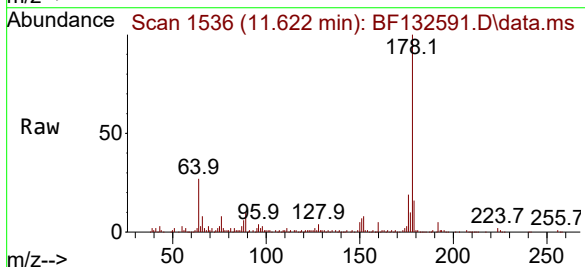
Instrument :
BNA_F
ClientSampleId :
TP-5

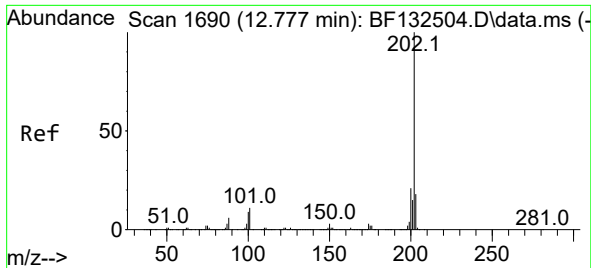
Tgt Ion:178 Resp: 124228
Ion Ratio Lower Upper
178 100
176 18.3 16.5 24.7
179 14.7 13.0 19.6



#72
Anthracene
Concen: 2.766 ng
RT: 11.622 min Scan# 1536
Delta R.T. -0.009 min
Lab File: BF132591.D
Acq: 01 Mar 2023 15:08

Tgt Ion:178 Resp: 67839
Ion Ratio Lower Upper
178 100
176 18.9 15.6 23.4
179 15.6 12.5 18.7

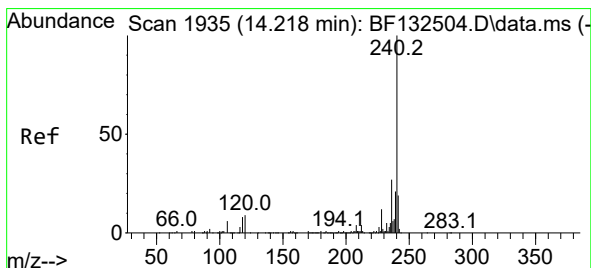
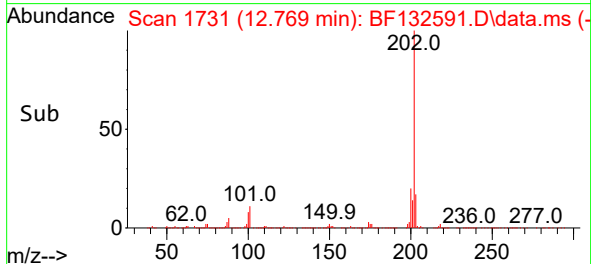
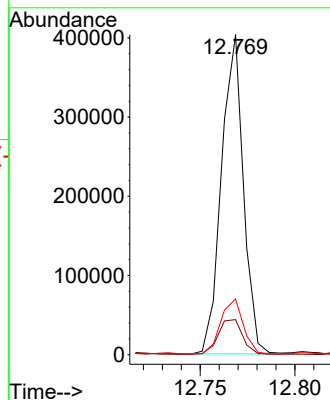
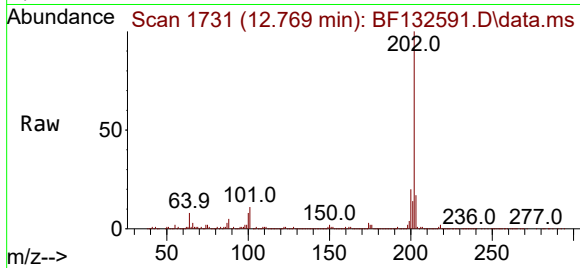




#75
Fluoranthene
Concen: 12.449 ng
RT: 12.769 min Scan# 1731
Delta R.T. -0.003 min
Lab File: BF132591.D
Acq: 01 Mar 2023 15:08

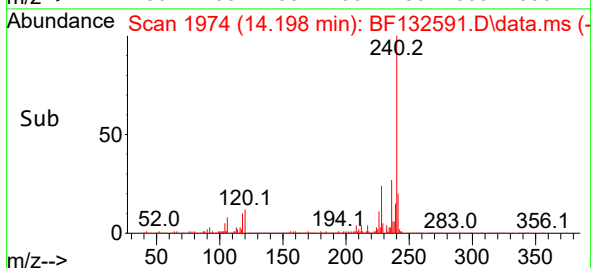
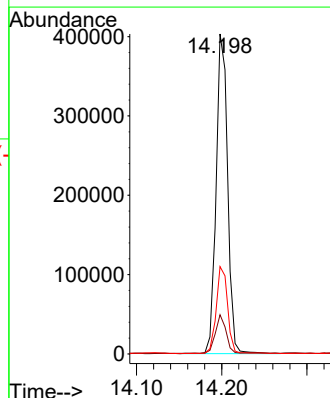
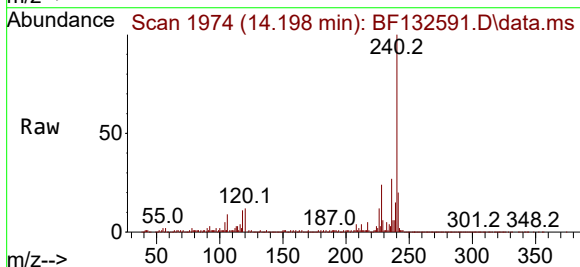
Instrument :
BNA_F
ClientSampleId :
TP-5

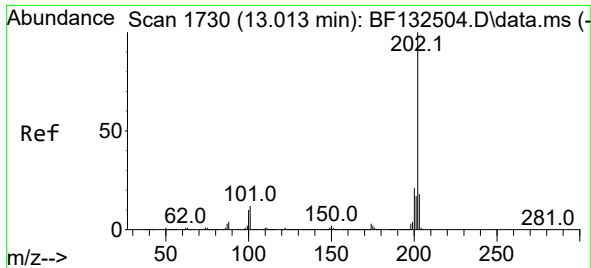
Tgt Ion:202 Resp: 324108
Ion Ratio Lower Upper
202 100
101 10.9 0.0 31.4
203 17.4 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.198 min Scan# 1974
Delta R.T. -0.009 min
Lab File: BF132591.D
Acq: 01 Mar 2023 15:08

Tgt Ion:240 Resp: 378813
Ion Ratio Lower Upper
240 100
120 12.2 7.2 10.8#
236 27.3 21.8 32.6

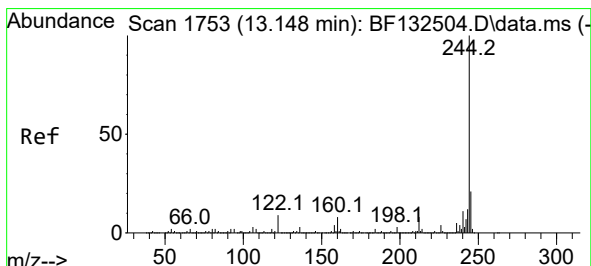
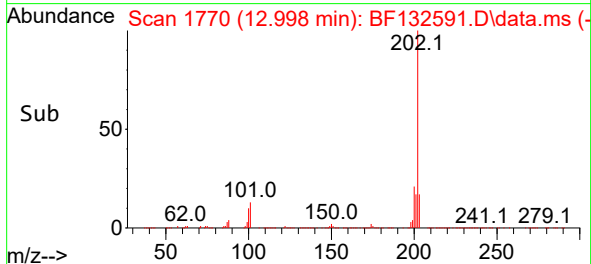
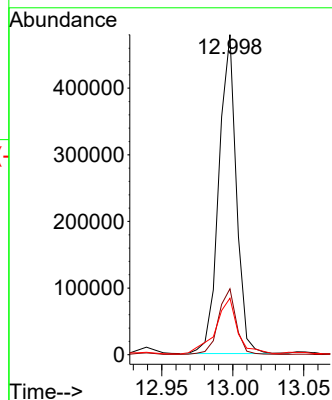
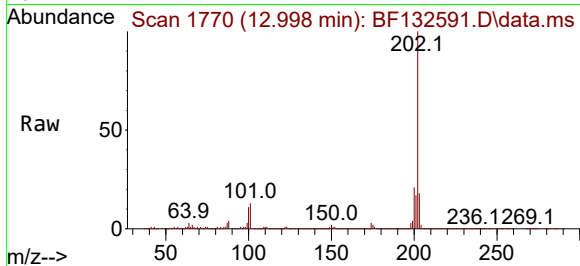




#78
 Pyrene
 Concen: 11.906 ng
 RT: 12.998 min Scan# 1770
 Delta R.T. -0.003 min
 Lab File: BF132591.D
 Acq: 01 Mar 2023 15:08

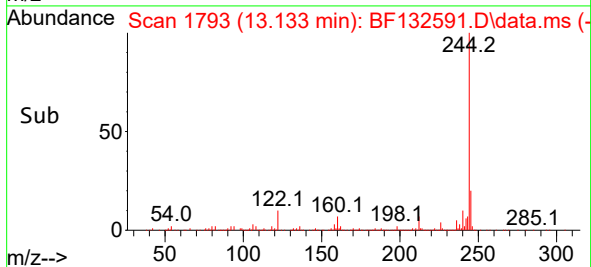
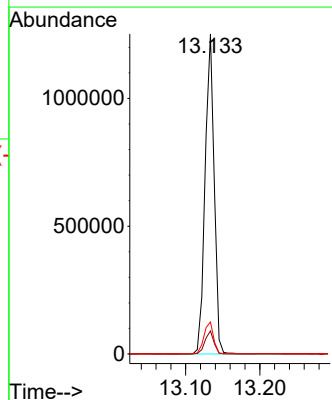
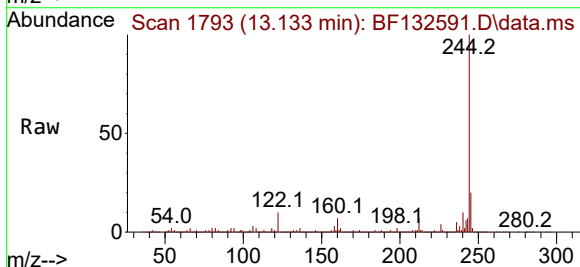
Instrument :
 BNA_F
 ClientSampleId :
 TP-5

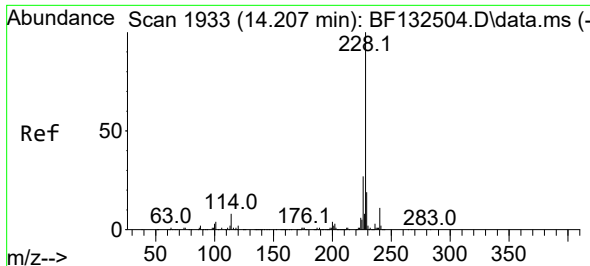
Tgt Ion:202 Resp: 410060
 Ion Ratio Lower Upper
 202 100
 200 20.6 17.1 25.7
 203 17.6 14.6 21.8



#79
 Terphenyl-d14
 Concen: 47.847 ng
 RT: 13.133 min Scan# 1793
 Delta R.T. -0.009 min
 Lab File: BF132591.D
 Acq: 01 Mar 2023 15:08

Tgt Ion:244 Resp: 1072025
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.5 9.7
 122 10.0 7.5 11.3

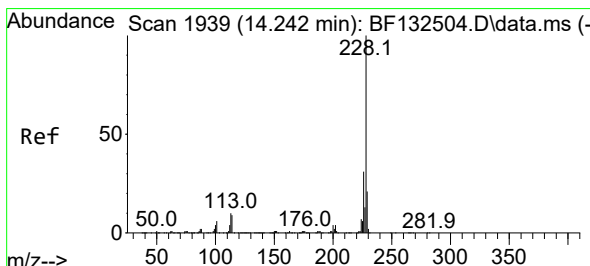
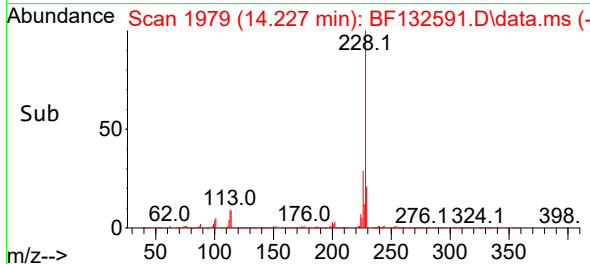
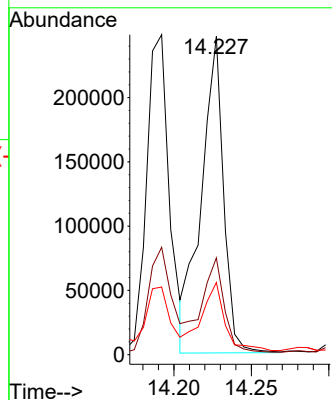
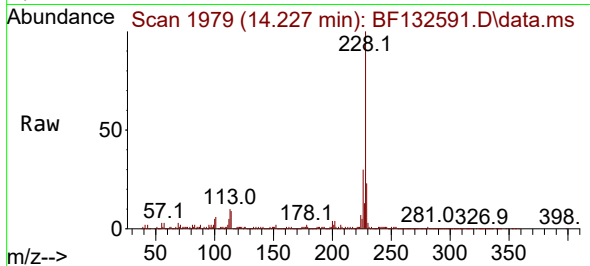




#81
Benzo(a)anthracene
Concen: 8.713 ng
RT: 14.227 min Scan# 1933
Delta R.T. 0.033 min
Lab File: BF132591.D
Acq: 01 Mar 2023 15:08

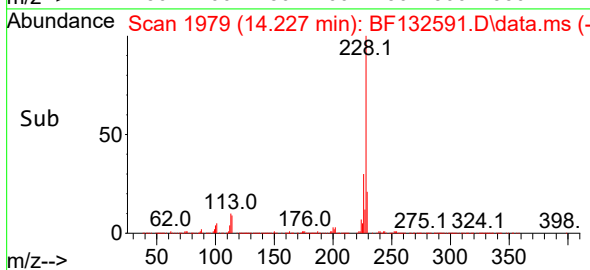
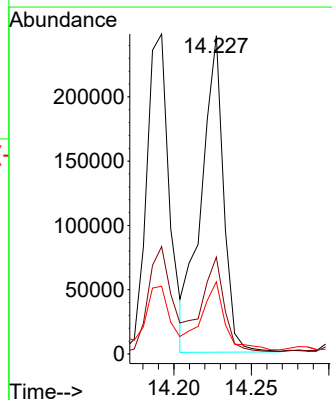
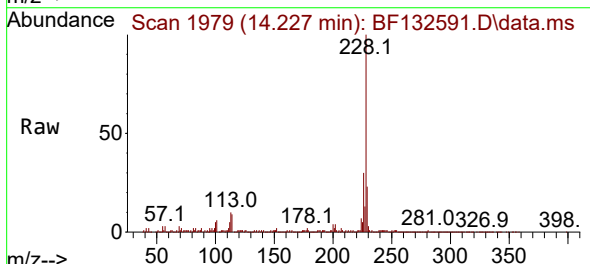
Instrument :
BNA_F
ClientSampleId :
TP-5

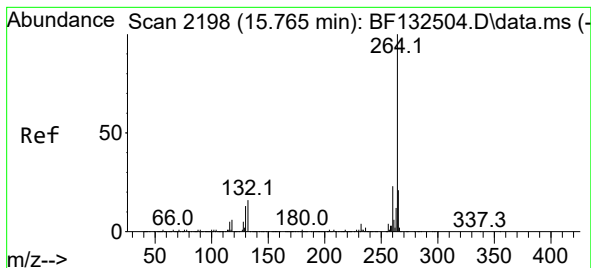
Tgt Ion:228 Resp: 246965
Ion Ratio Lower Upper
228 100
226 30.4 21.7 32.5
229 22.7 15.4 23.2



#83
Chrysene
Concen: 9.318 ng
RT: 14.227 min Scan# 1979
Delta R.T. -0.009 min
Lab File: BF132591.D
Acq: 01 Mar 2023 15:08

Tgt Ion:228 Resp: 246965
Ion Ratio Lower Upper
228 100
226 30.4 25.0 37.6
229 22.7 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: BF132591.D

Acq: 01 Mar 2023 15:08

Instrument :

BNA_F

ClientSampleId :

TP-5

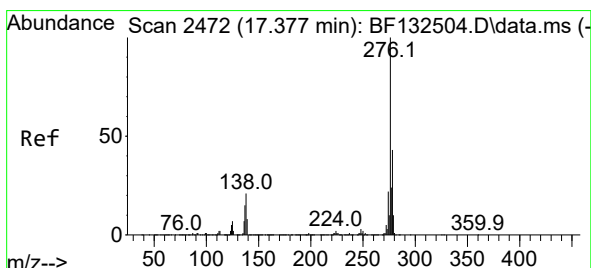
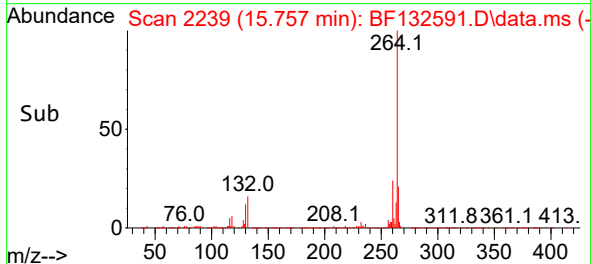
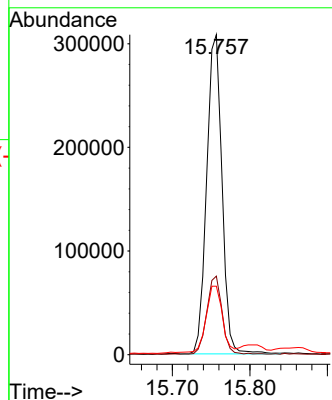
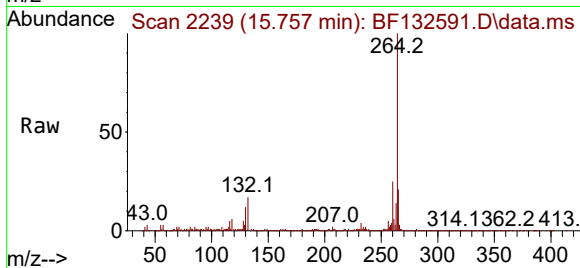
Tgt Ion:264 Resp: 422636

Ion Ratio Lower Upper

264 100

260 24.5 18.8 28.2

265 21.4 17.1 25.7



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.795 ng

RT: 17.351 min Scan# 2510

Delta R.T. -0.009 min

Lab File: BF132591.D

Acq: 01 Mar 2023 15:08

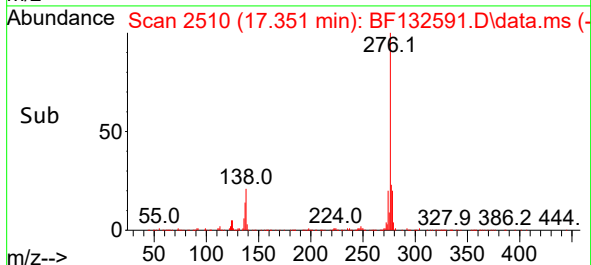
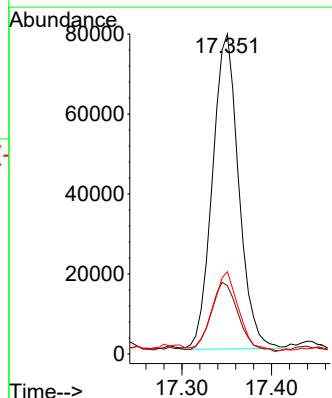
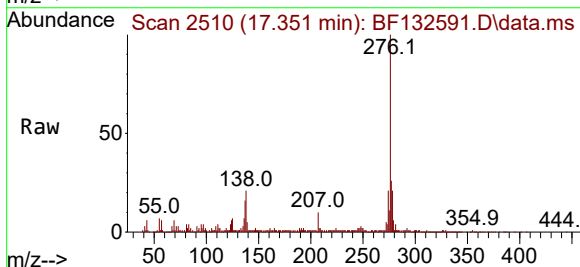
Tgt Ion:276 Resp: 160494

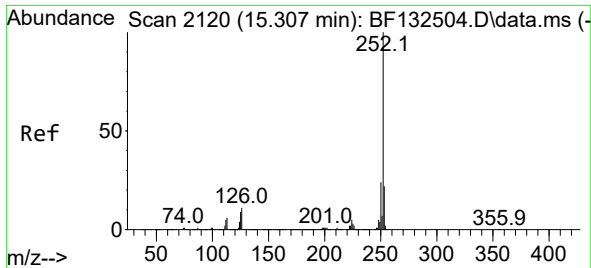
Ion Ratio Lower Upper

276 100

138 22.3 19.0 28.4

277 25.4 20.0 30.0

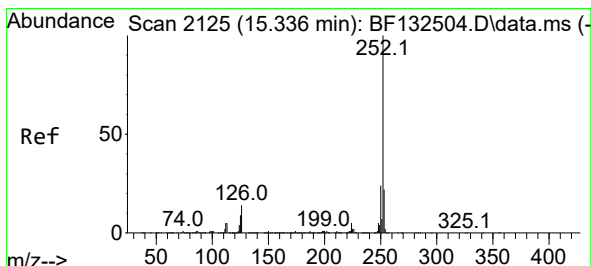
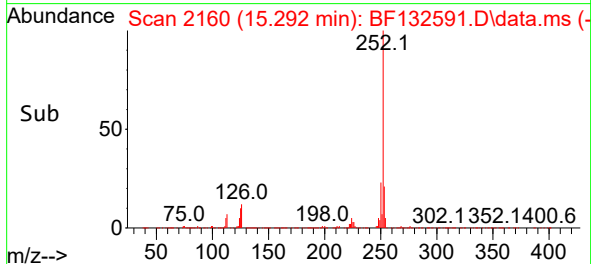
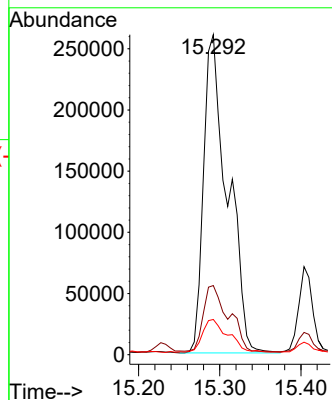
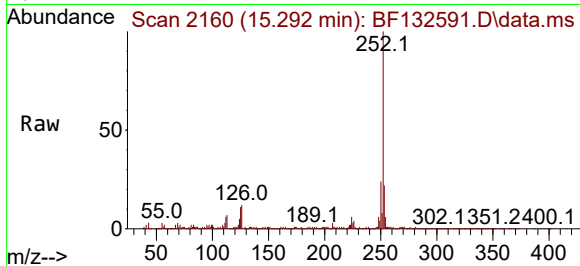




#88
Benzo(b)fluoranthene
Concen: 18.890 ng
RT: 15.292 min Scan# 2116
Delta R.T. -0.003 min
Lab File: BF132591.D
Acq: 01 Mar 2023 15:08

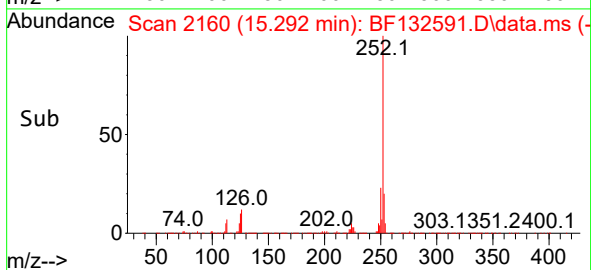
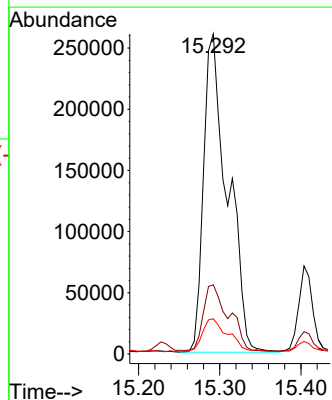
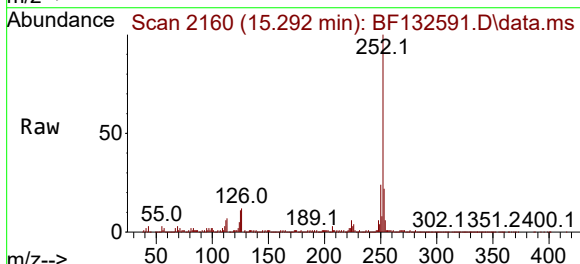
Instrument :
BNA_F
ClientSampleId :
TP-5

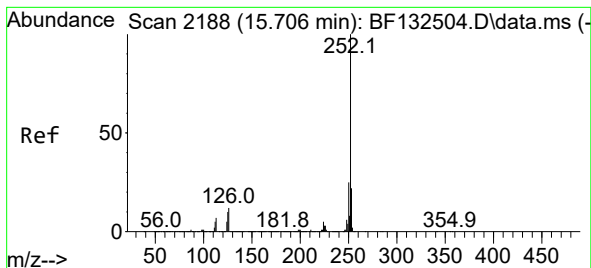
Tgt Ion:252 Resp: 535015
Ion Ratio Lower Upper
252 100
253 21.6 17.4 26.0
125 11.0 7.0 10.6#



#89
Benzo(k)fluoranthene
Concen: 19.301 ng
RT: 15.292 min Scan# 2160
Delta R.T. -0.032 min
Lab File: BF132591.D
Acq: 01 Mar 2023 15:08

Tgt Ion:252 Resp: 535015
Ion Ratio Lower Upper
252 100
253 21.6 17.5 26.3
125 11.0 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 12.510 ng

RT: 15.686 min Scan# 2188

Delta R.T. -0.003 min

Lab File: BF132591.D

Acq: 01 Mar 2023 15:08

Instrument :

BNA_F

ClientSampleId :

TP-5

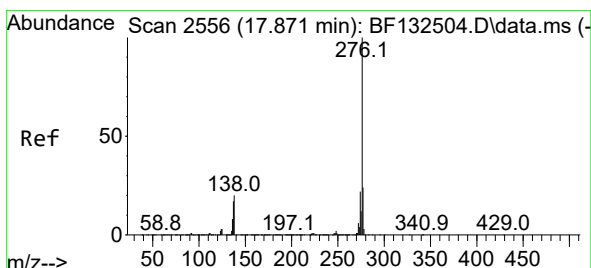
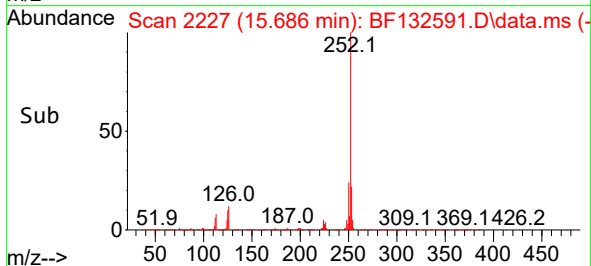
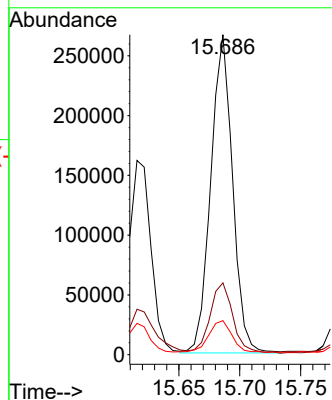
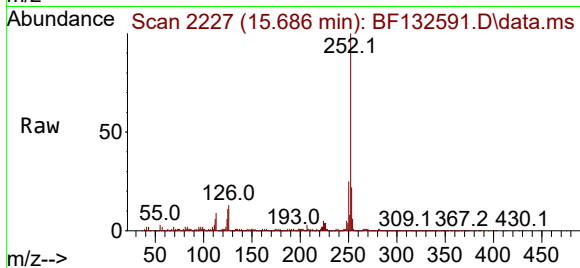
Tgt Ion:252 Resp: 331603

Ion Ratio Lower Upper

252 100

253 22.5 17.2 25.8

125 10.6 8.0 12.0



#92

Benzo(g,h,i)perylene

Concen: 7.401 ng

RT: 17.833 min Scan# 2592

Delta R.T. -0.020 min

Lab File: BF132591.D

Acq: 01 Mar 2023 15:08

Tgt Ion:276 Resp: 152692

Ion Ratio Lower Upper

276 100

277 24.4 18.9 28.3

138 23.4 16.2 24.4

