

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100722\
 Data File : BF130587.D
 Acq On : 07 Oct 2022 21:57
 Operator : CG\JU
 Sample : N5046-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 R-2

Quant Time: Oct 10 01:46:37 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 07 02:06:46 2022
 Response via : Initial Calibration

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

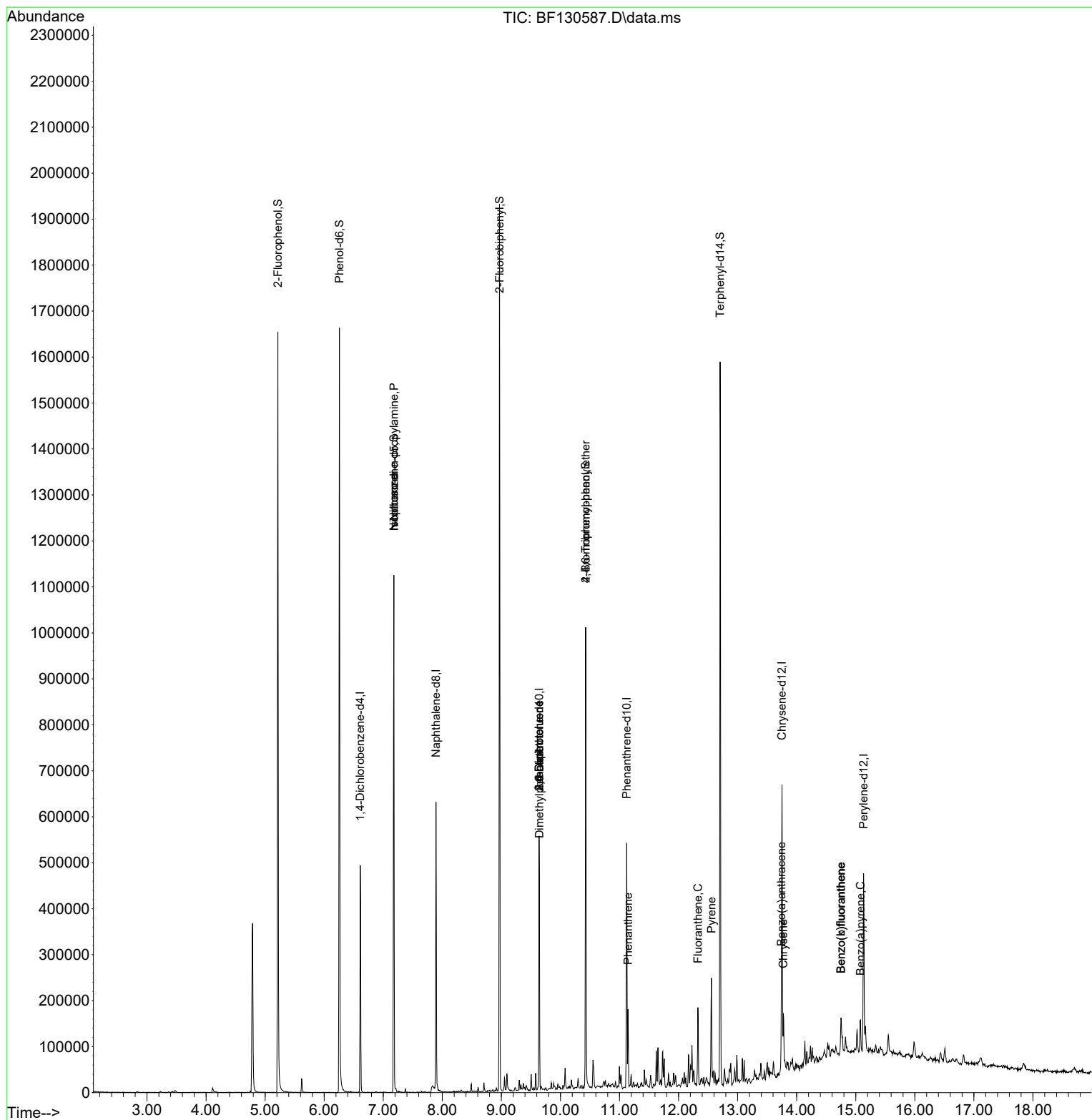
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.610	152	69113	20.000	ng	0.00
21) Naphthalene-d8	7.892	136	242888	20.000	ng	-0.01
39) Acenaphthene-d10	9.639	164	103085	20.000	ng	-0.01
64) Phenanthrene-d10	11.122	188	166565	20.000	ng	-0.01
76) Chrysene-d12	13.751	240	174313	20.000	ng	-0.01
86) Perylene-d12	15.133	264	156868	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.216	112	434888	109.140	ng	0.00
7) Phenol-d6	6.257	99	509068	102.104	ng	-0.01
23) Nitrobenzene-d5	7.181	82	321249	67.571	ng	-0.01
42) 2,4,6-Tribromophenol	10.428	330	108659	110.006	ng	-0.01
45) 2-Fluorobiphenyl	8.969	172	505519	71.410	ng	-0.01
79) Terphenyl-d14	12.704	244	509770	48.443	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.181	70	42878	12.745	ng	# 71
25) Isophorone	7.181	82	321247	41.923	ng	# 66
50) Dimethylphthalate	9.645	163	19251	2.704	ng	# 1
51) 2,6-Dinitrotoluene	9.639	165	13135	8.820	ng	# 16
57) 2,4-Dinitrotoluene	9.639	165	13135	6.901	ng	# 16
67) 4-Bromophenyl-phenylether	10.428	248	6534	3.556	ng	# 1
71) Phenanthrene	11.145	178	55650	5.951	ng	100
75) Fluoranthene	12.327	202	59199	6.551	ng	99
78) Pyrene	12.557	202	89272	5.854	ng	96
81) Benzo(a)anthracene	13.739	228	38737	3.341	ng	97
83) Chrysene	13.774	228	44016	3.998	ng	97
88) Benzo(b)fluoranthene	14.751	252	49951	4.879	ng	97
89) Benzo(k)fluoranthene	14.751	252	49951	4.960	ng	97
90) Benzo(a)pyrene	15.080	252	28904	3.563	ng	98

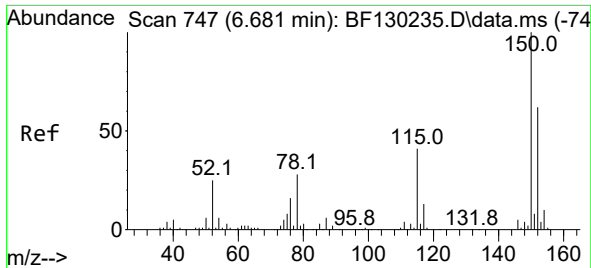
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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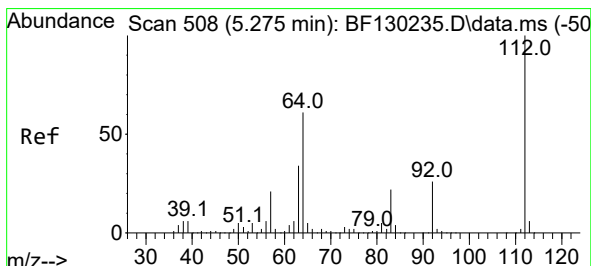
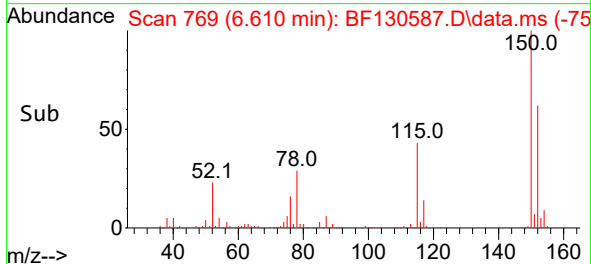
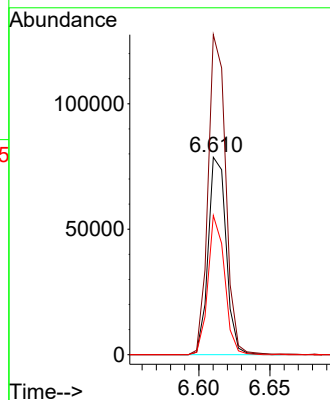
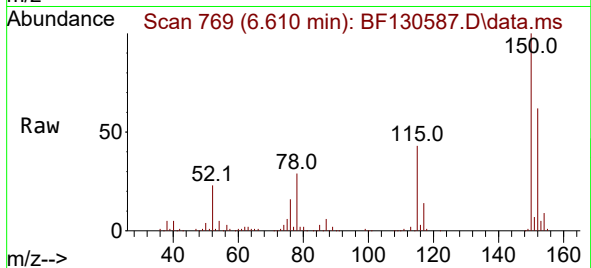




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.610 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF130587.D
Acq: 07 Oct 2022 21:57

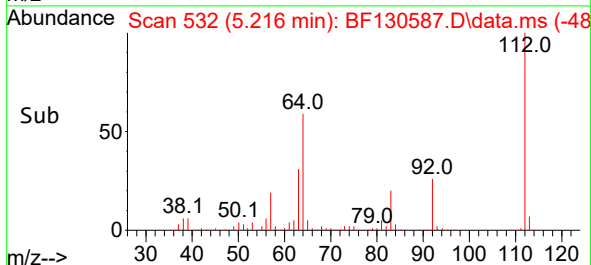
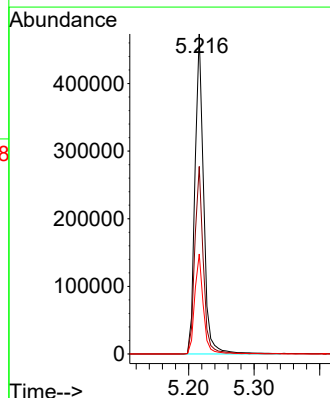
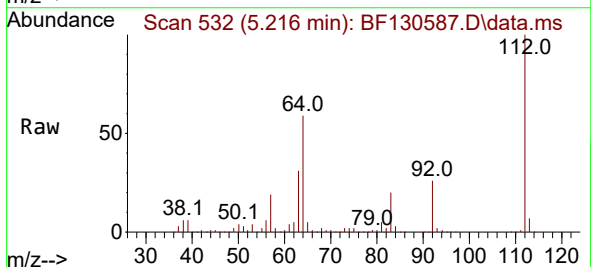
Instrument :
BNA_F
ClientSampleId :
R-2

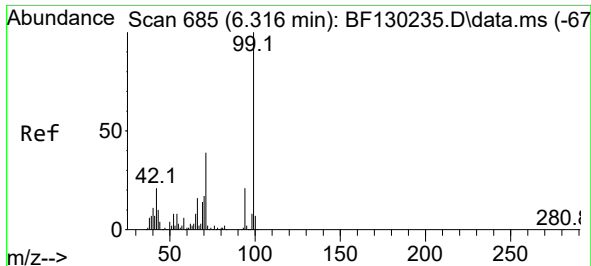
Tgt Ion:152 Resp: 69113
Ion Ratio Lower Upper
152 100
150 162.0 122.8 184.2
115 70.5 53.8 80.8



#5
2-Fluorophenol
Concen: 109.140 ng
RT: 5.216 min Scan# 532
Delta R.T. -0.000 min
Lab File: BF130587.D
Acq: 07 Oct 2022 21:57

Tgt Ion:112 Resp: 434888
Ion Ratio Lower Upper
112 100
64 58.6 51.4 77.0
63 31.2 28.8 43.2

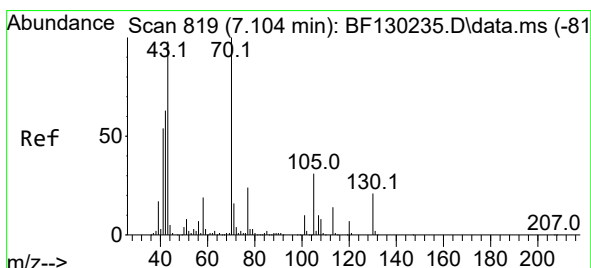
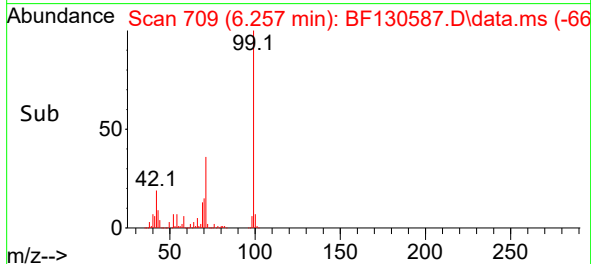
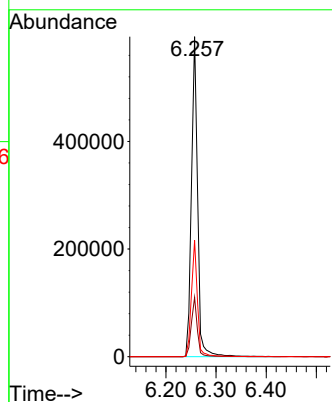
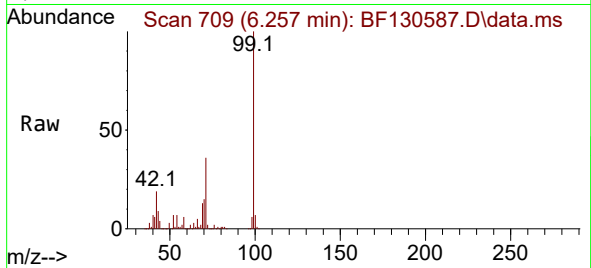




#7
Phenol-d6
Concen: 102.104 ng
RT: 6.257 min Scan# 709
Delta R.T. -0.012 min
Lab File: BF130587.D
Acq: 07 Oct 2022 21:57

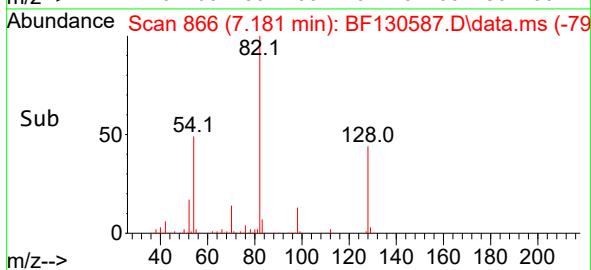
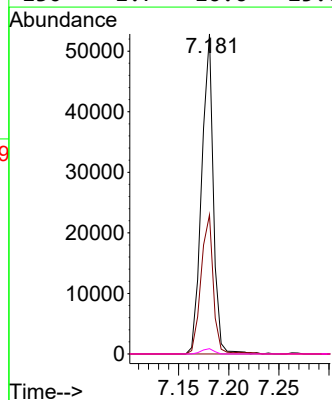
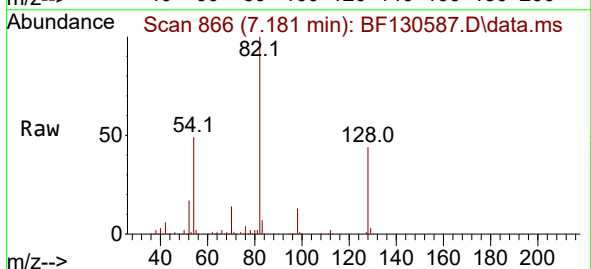
Instrument :
BNA_F
ClientSampleId :
R-2

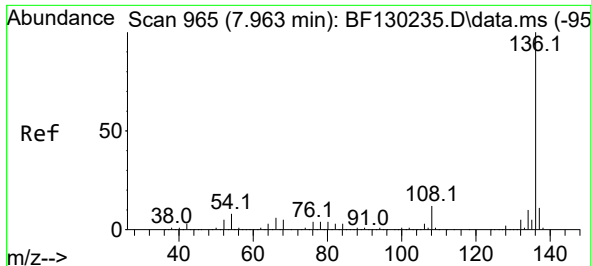
Tgt Ion: 99 Resp: 509068
Ion Ratio Lower Upper
99 100
42 18.5 17.0 25.6
71 36.3 32.3 48.5



#19
n-Nitroso-di-n-propylamine
Concen: 12.745 ng
RT: 7.181 min Scan# 866
Delta R.T. 0.135 min
Lab File: BF130587.D
Acq: 07 Oct 2022 21:57

Tgt Ion: 70 Resp: 42878
Ion Ratio Lower Upper
70 100
42 43.4 50.8 76.2#
101 0.0 8.2 12.4#
130 1.7 16.6 25.0#



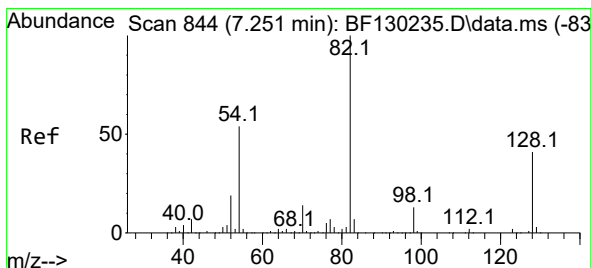
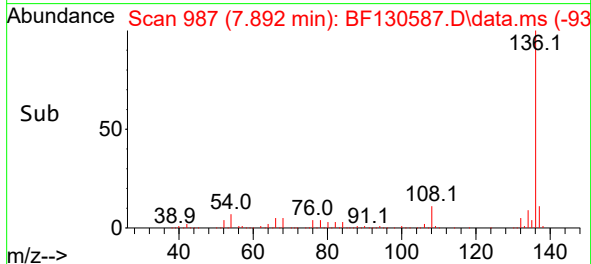
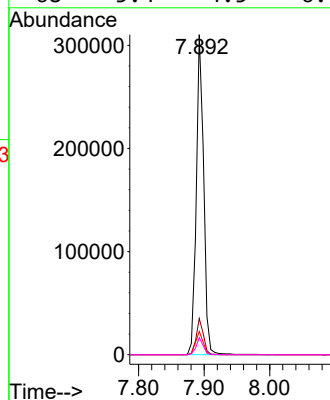
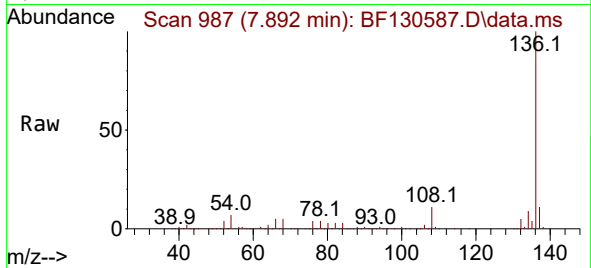


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.892 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF130587.D
Acq: 07 Oct 2022 21:57

Instrument :
BNA_F
ClientSampleId :
R-2

Tgt Ion:136 Resp: 242888

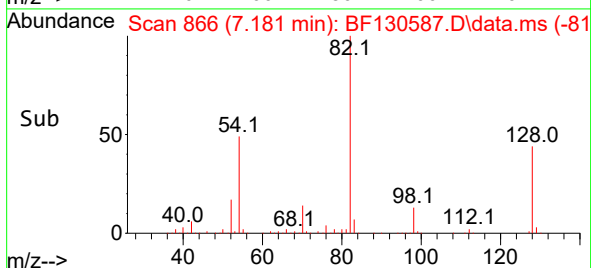
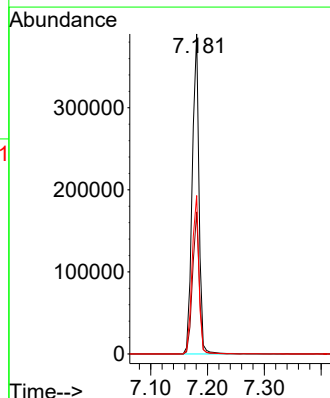
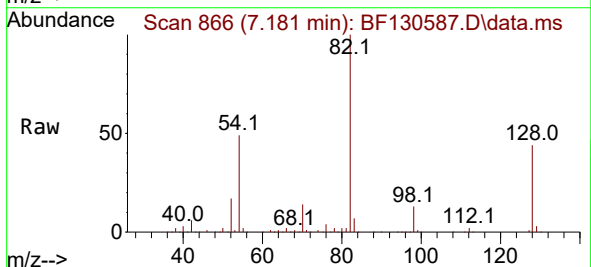
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	7.3	7.1	10.7
68	5.4	4.5	6.7

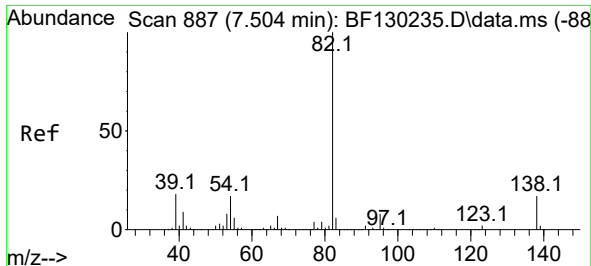


#23
Nitrobenzene-d5
Concen: 67.571 ng
RT: 7.181 min Scan# 866
Delta R.T. -0.012 min
Lab File: BF130587.D
Acq: 07 Oct 2022 21:57

Tgt Ion: 82 Resp: 321249

Ion	Ratio	Lower	Upper
82	100		
128	44.4	32.6	49.0
54	49.5	43.8	65.6

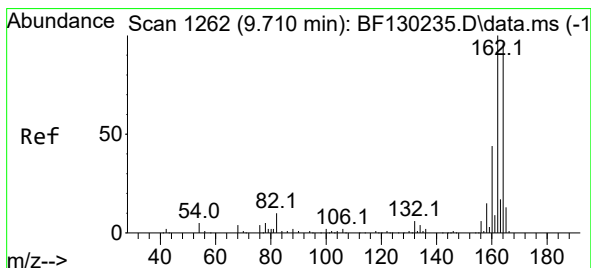
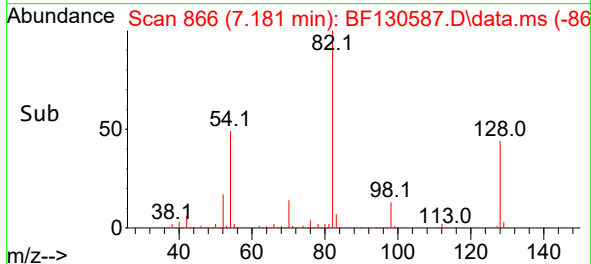
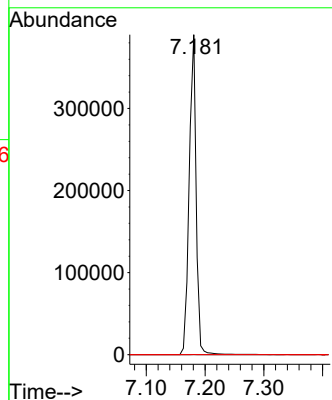
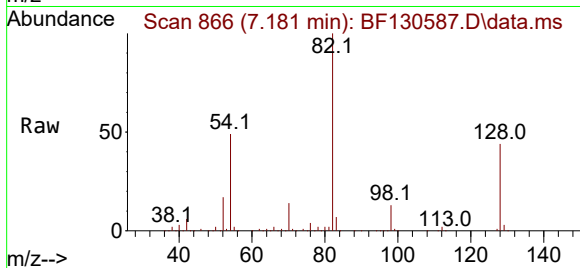




#25
Isophorone
Concen: 41.923 ng
RT: 7.181 min Scan# 80
Delta R.T. -0.271 min
Lab File: BF130587.D
Acq: 07 Oct 2022 21:57

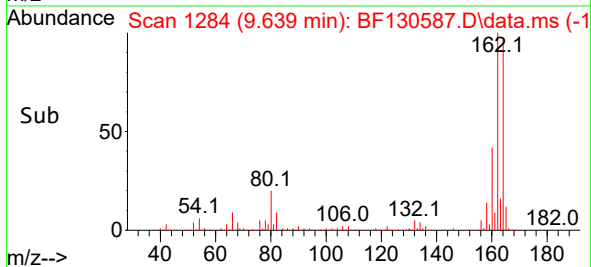
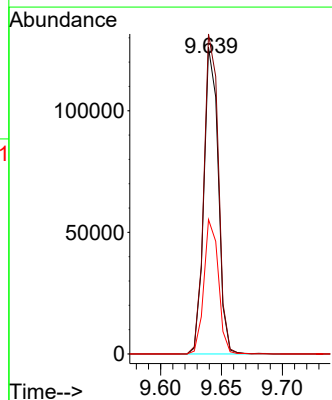
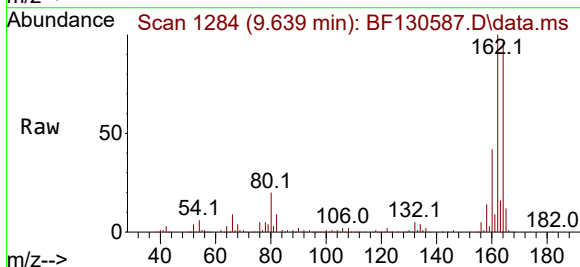
Instrument :
BNA_F
ClientSampleId :
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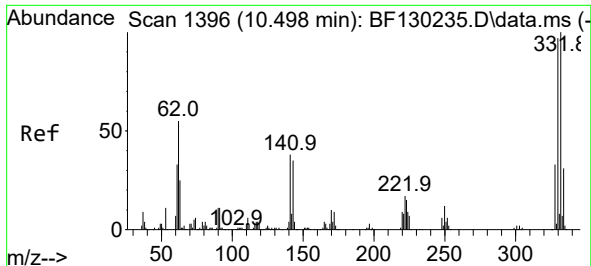
Tgt Ion: 82 Resp: 321247
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.8 20.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.639 min Scan# 1284
Delta R.T. -0.012 min
Lab File: BF130587.D
Acq: 07 Oct 2022 21:57

Tgt Ion:164 Resp: 103085
Ion Ratio Lower Upper
164 100
162 104.4 81.4 122.0
160 43.8 36.2 54.4

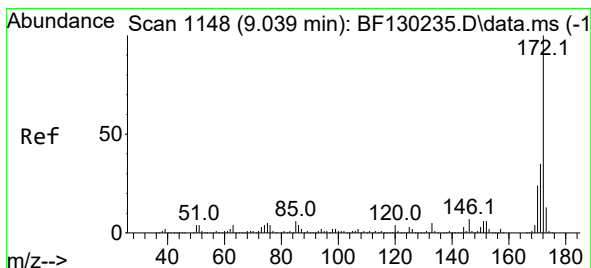
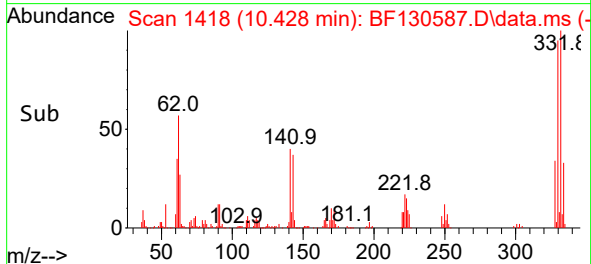
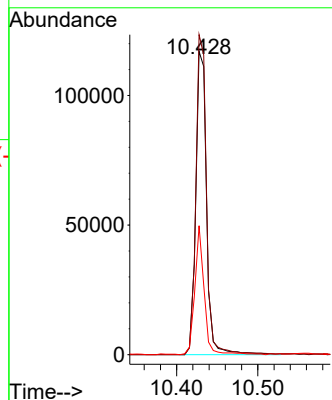
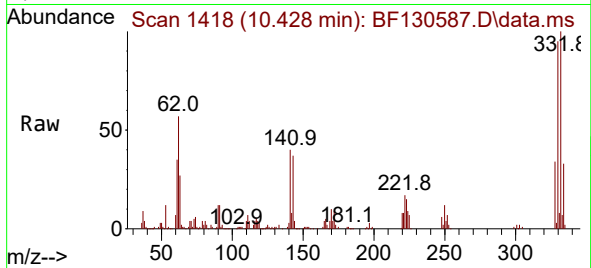




#42
2,4,6-Tribromophenol
Concen: 110.006 ng
RT: 10.428 min Scan# 1418
Delta R.T. -0.012 min
Lab File: BF130587.D
Acq: 07 Oct 2022 21:57

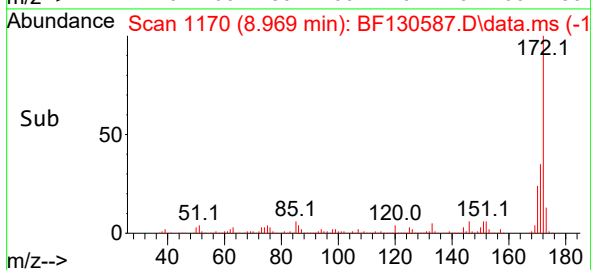
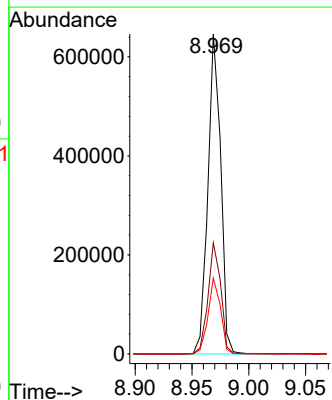
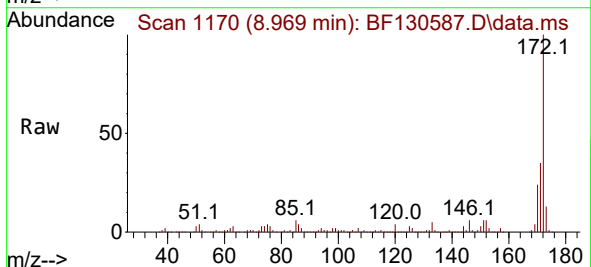
Instrument :
BNA_F
ClientSampleId :
R-2

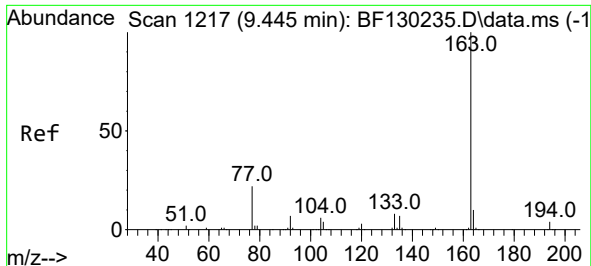
Tgt Ion:330 Resp: 108659
Ion Ratio Lower Upper
330 100
332 104.0 83.4 125.2
141 37.0 34.0 51.0



#45
2-Fluorobiphenyl
Concen: 71.410 ng
RT: 8.969 min Scan# 1170
Delta R.T. -0.012 min
Lab File: BF130587.D
Acq: 07 Oct 2022 21:57

Tgt Ion:172 Resp: 505519
Ion Ratio Lower Upper
172 100
171 34.7 28.3 42.5
170 23.7 18.7 28.1

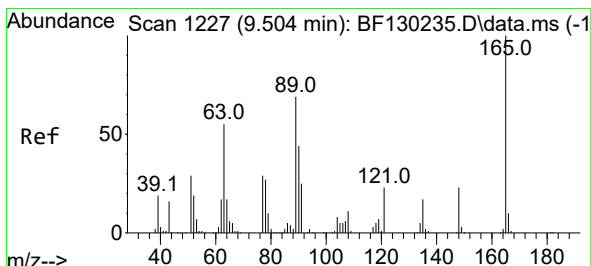
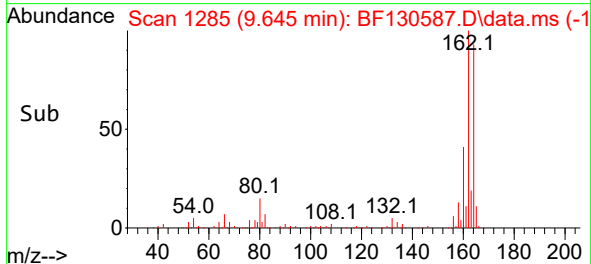
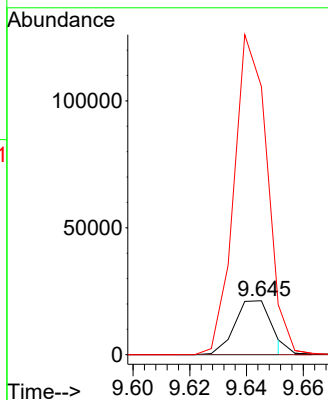
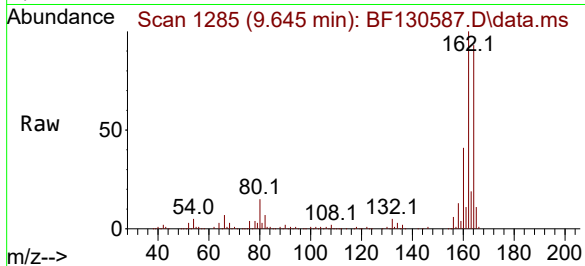




#50
 Dimethylphthalate
 Concen: 2.704 ng
 RT: 9.645 min Scan# 11
 Delta R.T. 0.259 min
 Lab File: BF130587.D
 Acq: 07 Oct 2022 21:57

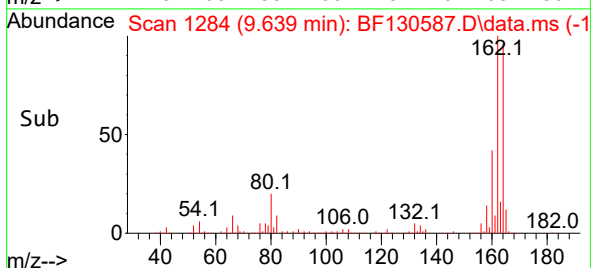
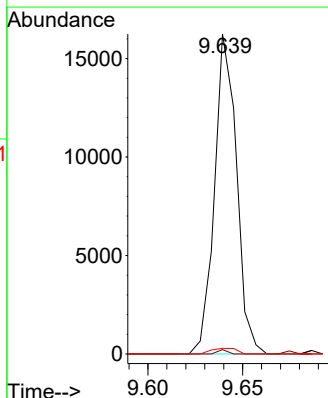
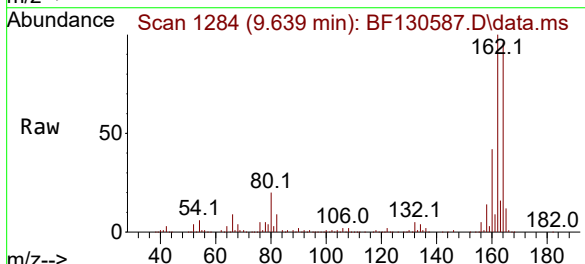
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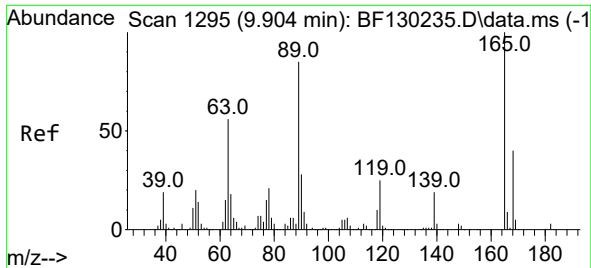
Tgt Ion:163 Resp: 19251
 Ion Ratio Lower Upper
 163 100
 194 0.0 2.8 4.2#
 164 497.0 8.2 12.2#



#51
 2,6-Dinitrotoluene
 Concen: 8.820 ng
 RT: 9.639 min Scan# 1284
 Delta R.T. 0.188 min
 Lab File: BF130587.D
 Acq: 07 Oct 2022 21:57

Tgt Ion:165 Resp: 13135
 Ion Ratio Lower Upper
 165 100
 63 1.3 58.8 88.2#
 89 1.8 54.5 81.7#

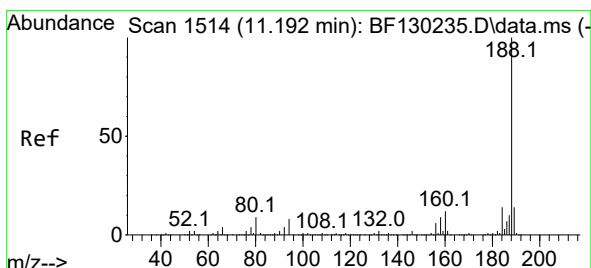
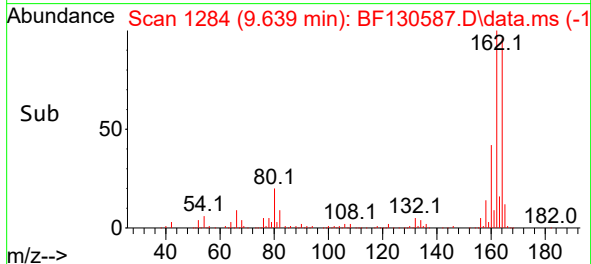
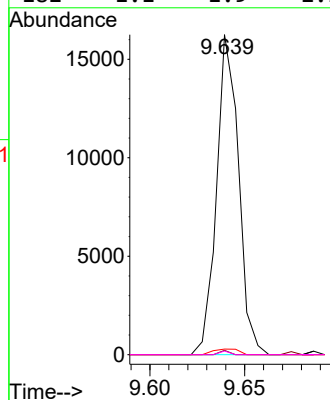
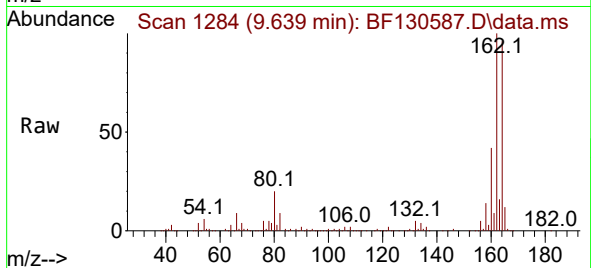




#57
2,4-Dinitrotoluene
Concen: 6.901 ng
RT: 9.639 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF130587.D
Acq: 07 Oct 2022 21:57

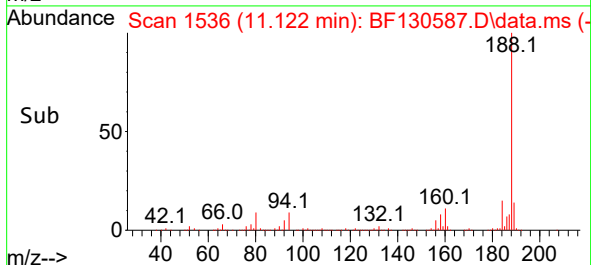
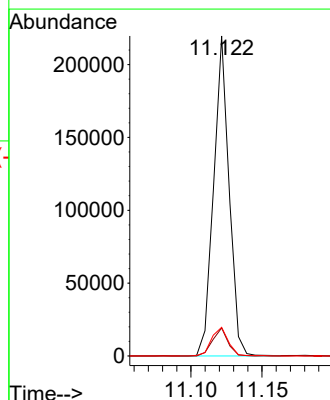
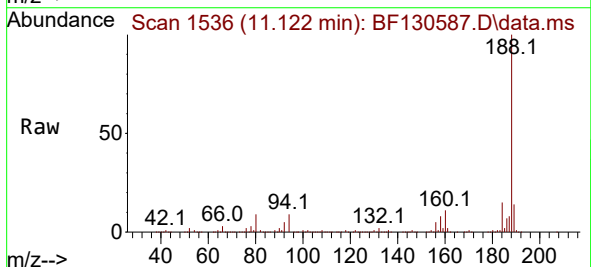
Instrument :
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ClientSampleId :
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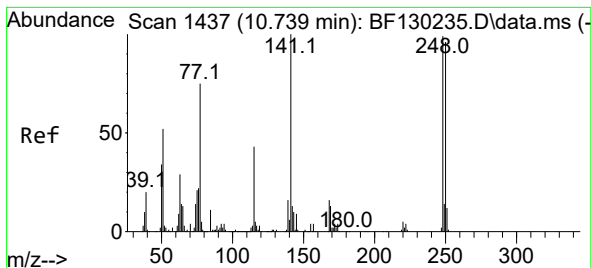
Tgt Ion:165 Resp: 13135
Ion Ratio Lower Upper
165 100
63 1.3 44.7 67.1#
89 1.8 69.0 103.4#
182 1.1 1.9 2.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.122 min Scan# 1536
Delta R.T. -0.012 min
Lab File: BF130587.D
Acq: 07 Oct 2022 21:57

Tgt Ion:188 Resp: 166565
Ion Ratio Lower Upper
188 100
94 8.7 7.4 11.2
80 9.0 7.9 11.9

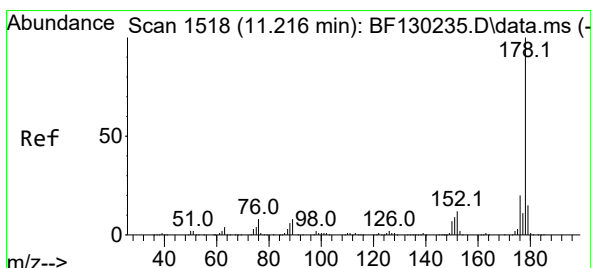
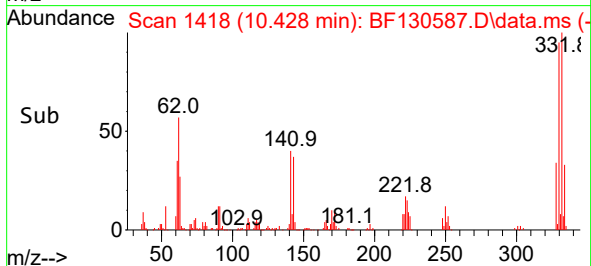
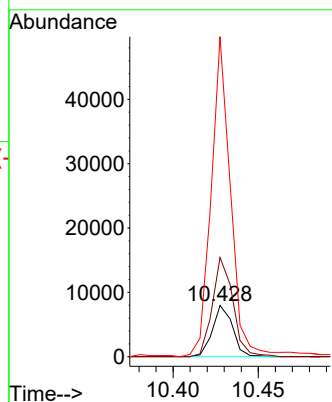
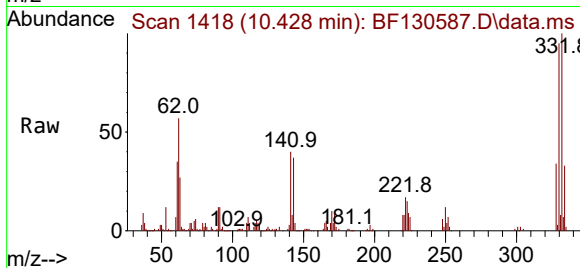




#67
4-Bromophenyl-phenylether
Concen: 3.556 ng
RT: 10.428 min Scan# 1437
Delta R.T. -0.253 min
Lab File: BF130587.D
Acq: 07 Oct 2022 21:57

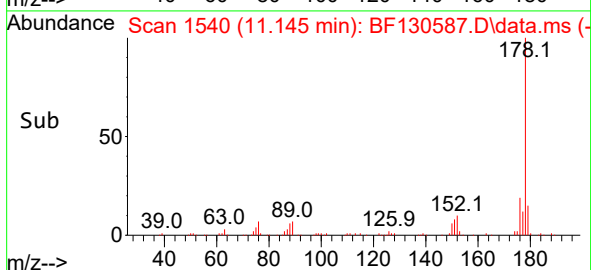
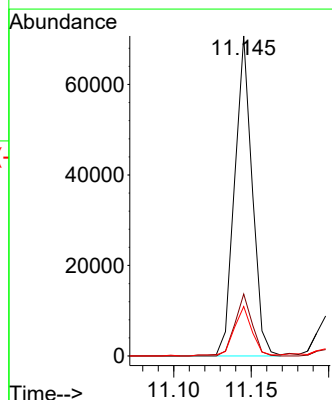
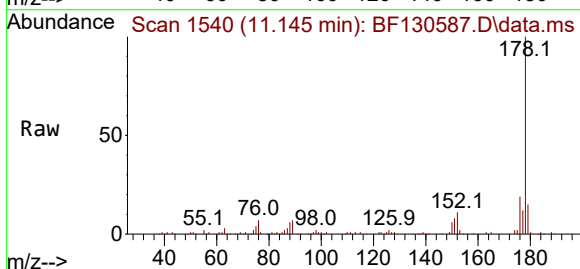
Instrument :
BNA_F
ClientSampleId :
R-2

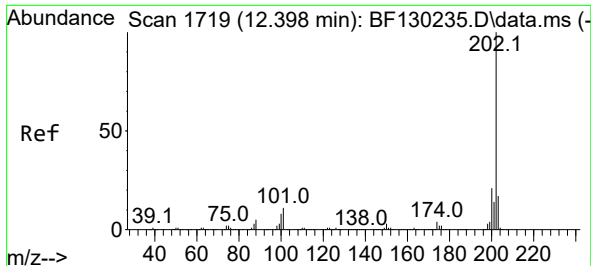
Tgt Ion:248 Resp: 6534
Ion Ratio Lower Upper
248 100
250 193.8 80.0 120.0#
141 625.3 68.5 102.7#



#71
Phenanthrene
Concen: 5.951 ng
RT: 11.145 min Scan# 1540
Delta R.T. -0.012 min
Lab File: BF130587.D
Acq: 07 Oct 2022 21:57

Tgt Ion:178 Resp: 55650
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.0
179 15.4 12.4 18.6

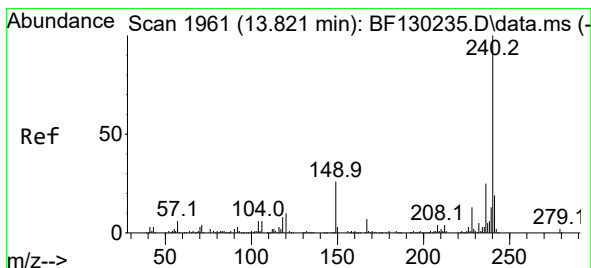
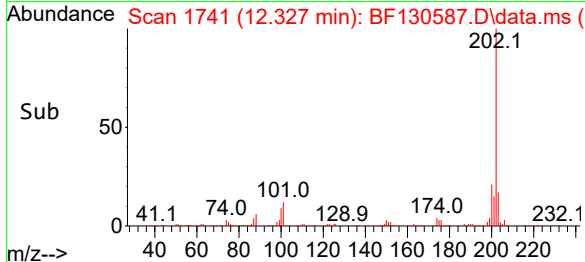
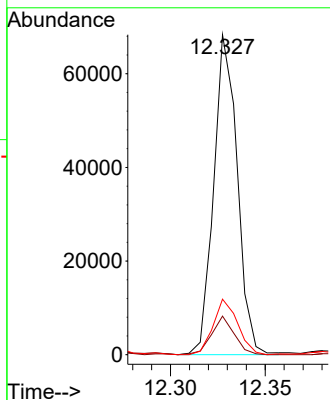
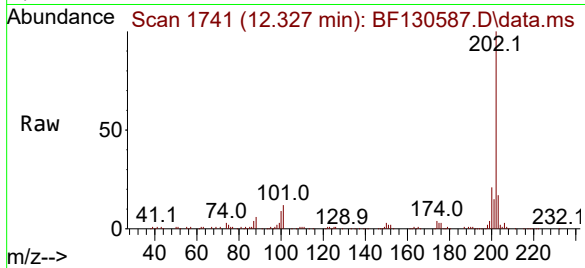




#75
Fluoranthene
Concen: 6.551 ng
RT: 12.327 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF130587.D
Acq: 07 Oct 2022 21:57

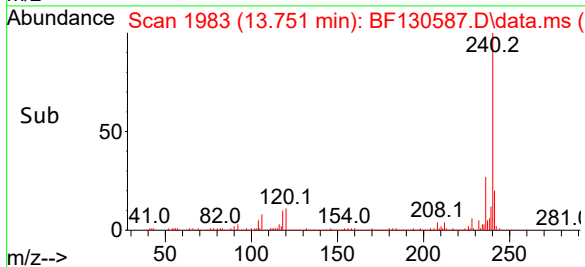
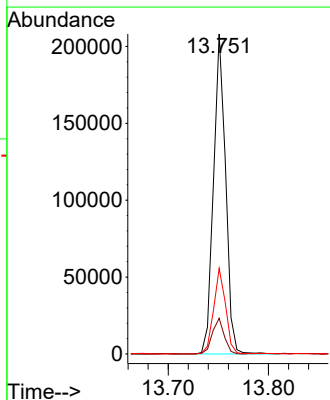
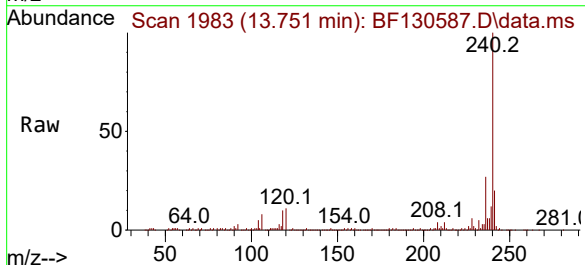
Instrument :
BNA_F
ClientSampleId :
R-2

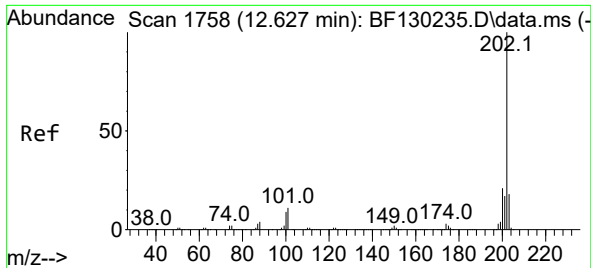
Tgt Ion:202 Resp: 59199
Ion Ratio Lower Upper
202 100
101 12.0 0.0 31.8
203 17.4 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.751 min Scan# 1983
Delta R.T. -0.012 min
Lab File: BF130587.D
Acq: 07 Oct 2022 21:57

Tgt Ion:240 Resp: 174313
Ion Ratio Lower Upper
240 100
120 11.1 8.7 13.1
236 26.7 20.9 31.3

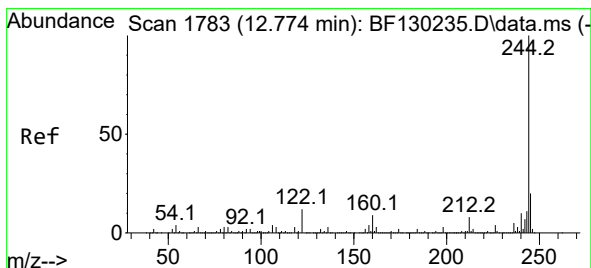
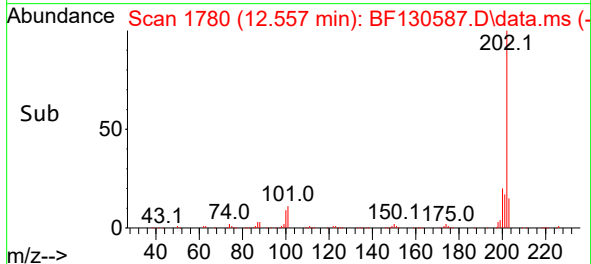
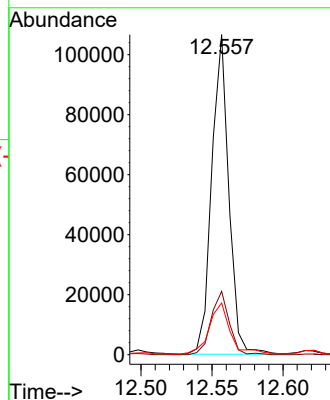
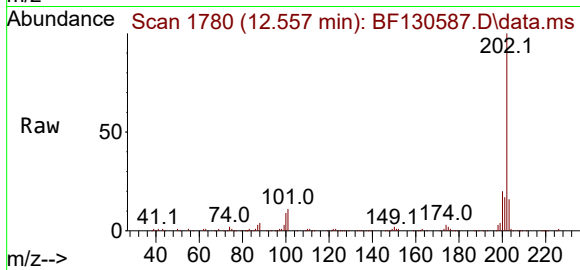




#78
Pyrene
Concen: 5.854 ng
RT: 12.557 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF130587.D
Acq: 07 Oct 2022 21:57

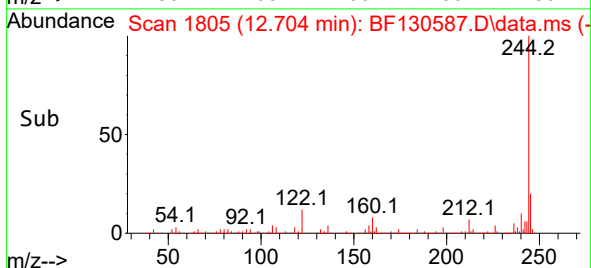
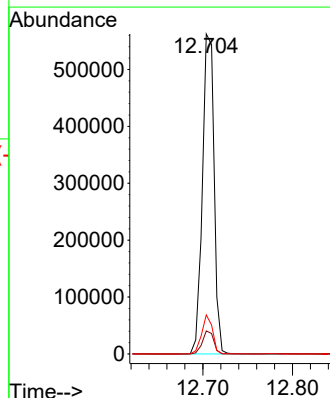
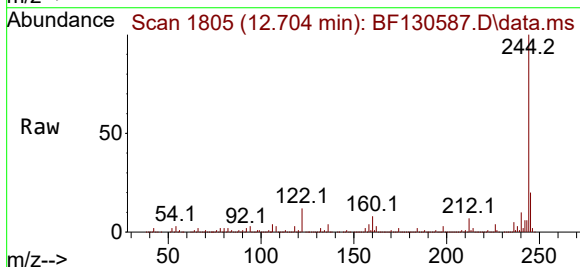
Instrument :
BNA_F
ClientSampleId :
R-2

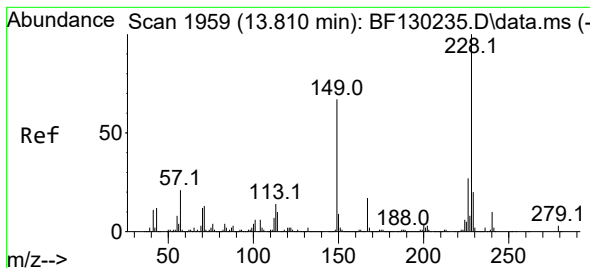
Tgt Ion:202 Resp: 89272
Ion Ratio Lower Upper
202 100
200 19.8 17.2 25.8
203 16.1 14.3 21.5



#79
Terphenyl-d14
Concen: 48.443 ng
RT: 12.704 min Scan# 1805
Delta R.T. -0.012 min
Lab File: BF130587.D
Acq: 07 Oct 2022 21:57

Tgt Ion:244 Resp: 509770
Ion Ratio Lower Upper
244 100
212 7.2 5.9 8.9
122 12.2 8.5 12.7





#81

Benzo(a)anthracene

Concen: 3.341 ng

RT: 13.739 min Scan# 1981

Delta R.T. -0.012 min

Lab File: BF130587.D

Acq: 07 Oct 2022 21:57

Instrument :

BNA_F

ClientSampleId :

R-2

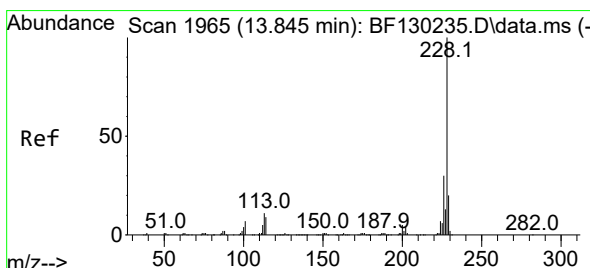
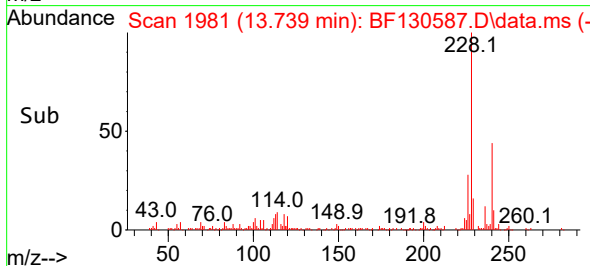
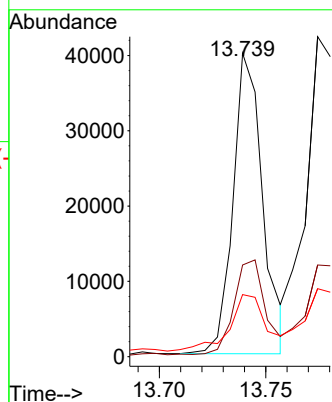
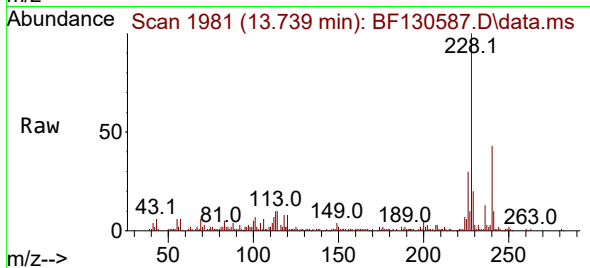
Tgt Ion:228 Resp: 38737

Ion Ratio Lower Upper

228 100

226 30.2 21.9 32.9

229 20.5 16.1 24.1



#83

Chrysene

Concen: 3.998 ng

RT: 13.774 min Scan# 1987

Delta R.T. -0.012 min

Lab File: BF130587.D

Acq: 07 Oct 2022 21:57

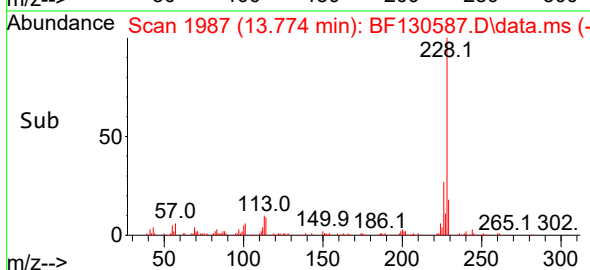
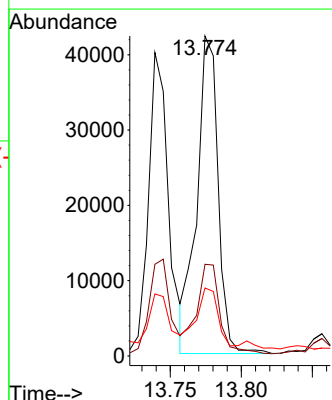
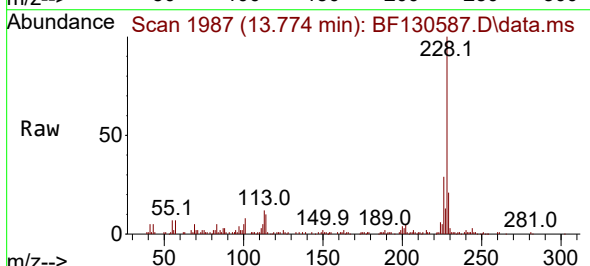
Tgt Ion:228 Resp: 44016

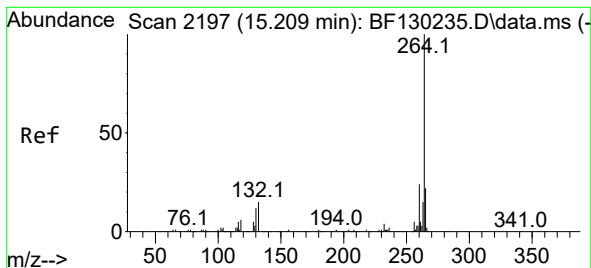
Ion Ratio Lower Upper

228 100

226 28.7 23.8 35.8

229 21.2 15.3 22.9

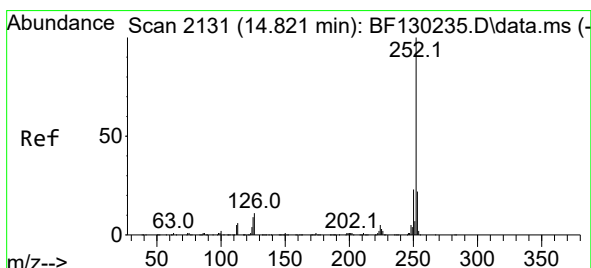
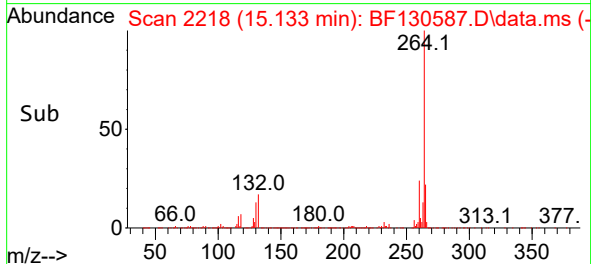
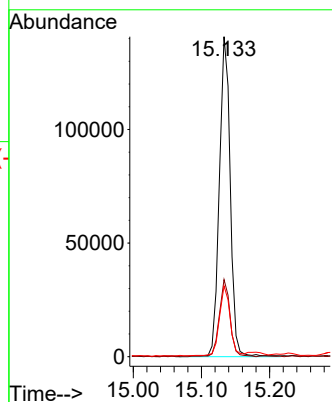
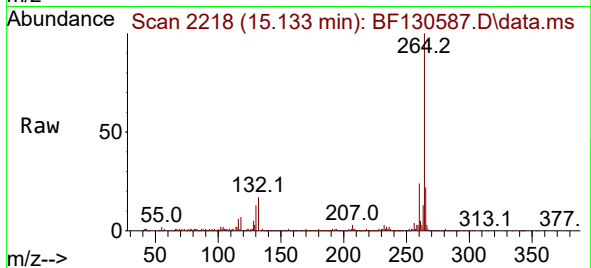




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.133 min Scan# 2197
Delta R.T. -0.012 min
Lab File: BF130587.D
Acq: 07 Oct 2022 21:57

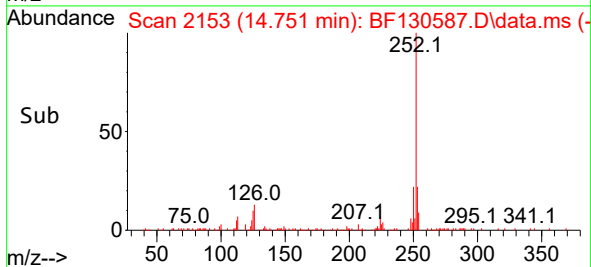
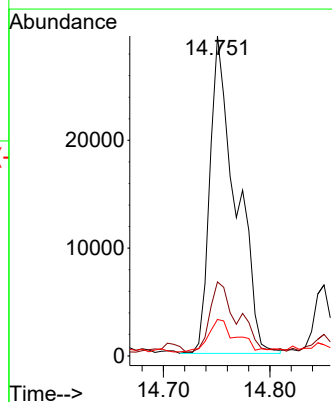
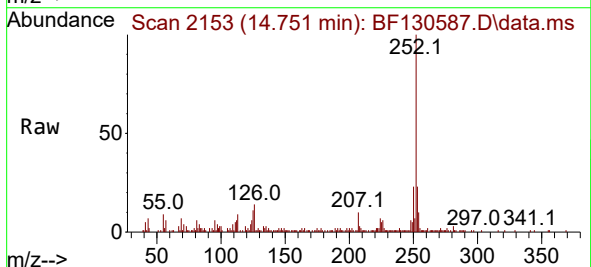
Instrument :
BNA_F
ClientSampleId :
R-2

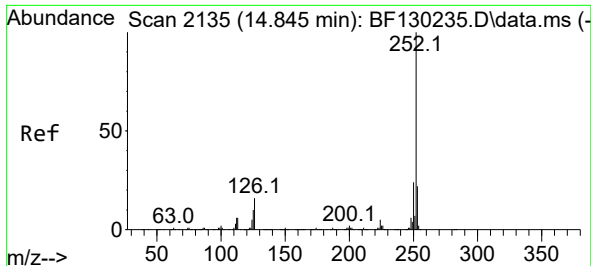
Tgt Ion:264 Resp: 156868
Ion Ratio Lower Upper
264 100
260 24.1 19.3 28.9
265 22.1 17.0 25.4



#88
Benzo(b)fluoranthene
Concen: 4.879 ng
RT: 14.751 min Scan# 2153
Delta R.T. -0.012 min
Lab File: BF130587.D
Acq: 07 Oct 2022 21:57

Tgt Ion:252 Resp: 49951
Ion Ratio Lower Upper
252 100
253 23.1 17.7 26.5
125 11.4 8.1 12.1

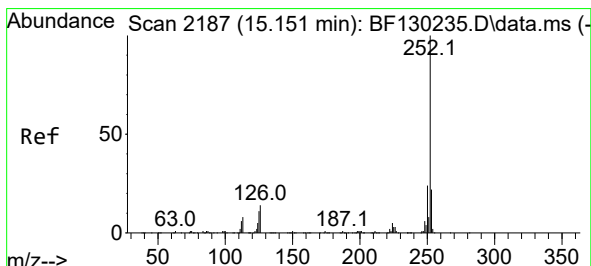
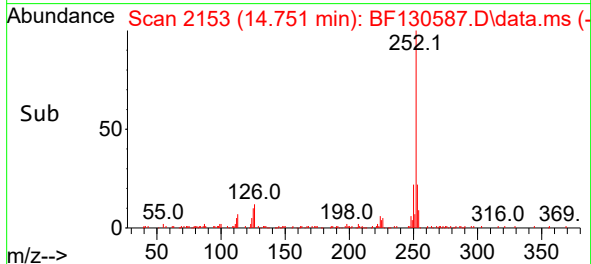
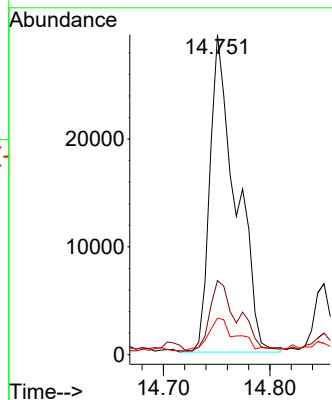
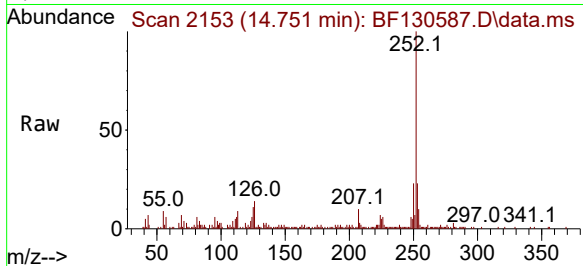




#89
Benzo(k)fluoranthene
Concen: 4.960 ng
RT: 14.751 min Scan# 2135
Delta R.T. -0.035 min
Lab File: BF130587.D
Acq: 07 Oct 2022 21:57

Instrument :
BNA_F
ClientSampleId :
R-2

Tgt Ion:252	Resp:	49951
Ion Ratio	Lower	Upper
252	100	
253	23.1	17.4 26.2
125	11.4	7.9 11.9



#90
Benzo(a)pyrene
Concen: 3.563 ng
RT: 15.080 min Scan# 2209
Delta R.T. -0.012 min
Lab File: BF130587.D
Acq: 07 Oct 2022 21:57

Tgt Ion:252	Resp:	28904
Ion Ratio	Lower	Upper
252	100	
253	21.8	17.8 26.6
125	9.4	9.0 13.6

