

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101322\
 Data File : BF130660.D
 Acq On : 13 Oct 2022 22:17
 Operator : CG\JU
 Sample : N5118-03 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-4-101222

Quant Time: Oct 14 06:05:10 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 12 06:52:52 2022
 Response via : Initial Calibration

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

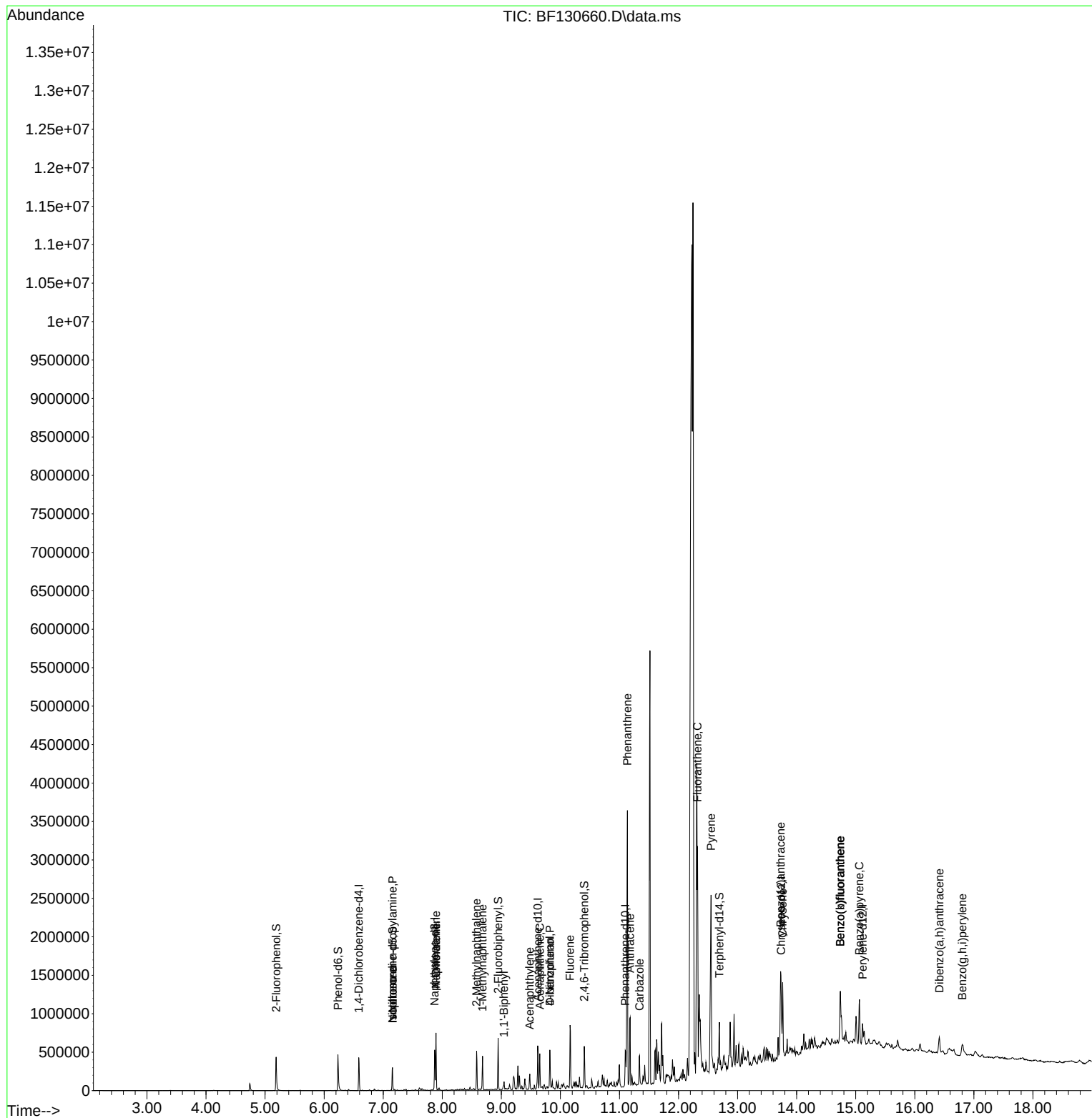
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.587	152	61963	20.000	ng	0.00
21) Naphthalene-d8	7.869	136	207988	20.000	ng	0.00
39) Acenaphthene-d10	9.616	164	107461	20.000	ng	0.00
64) Phenanthrene-d10	11.098	188	197630	20.000	ng	0.00
76) Chrysene-d12	13.739	240	134337	20.000	ng	0.01
86) Perylene-d12	15.116	264	107744	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.187	112	138834	40.388	ng	0.00
7) Phenol-d6	6.234	99	155007	35.865	ng	0.00
23) Nitrobenzene-d5	7.157	82	90378	23.722	ng	0.00
42) 2,4,6-Tribromophenol	10.404	330	45393	43.170	ng	0.00
45) 2-Fluorobiphenyl	8.945	172	172003	24.245	ng	0.00
79) Terphenyl-d14	12.692	244	210080	25.955	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.157	70	13018	4.669	ng	# 74
25) Isophorone	7.157	82	90377	14.253	ng	# 64
31) Naphthalene	7.893	128	272288	25.291	ng	100
33) 4-Chloroaniline	7.893	127	35108	8.418	ng	# 32
37) 2-Methylnaphthalene	8.581	142	120833	17.834	ng	99
38) 1-Methylnaphthalene	8.681	142	96032	14.601	ng	99
46) 1,1'-Biphenyl	9.045	154	26007	3.339	ng	99
49) Acenaphthylene	9.481	152	50846	5.331	ng	97
52) Acenaphthene	9.651	154	85719	14.835	ng	99
55) Dibenzofuran	9.822	168	145818	16.566	ng	98
56) 4-Nitrophenol	9.822	139	59152	59.979	ng	# 9
58) Fluorene	10.163	166	221456	30.602	ng	99
71) Phenanthrene	11.133	178	1384744	126.468	ng	99
72) Anthracene	11.181	178	341397	31.925	ng	98
73) Carbazole	11.339	167	151299	15.856	ng	100
75) Fluoranthene	12.322	202	1296946	123.243	ng	97
78) Pyrene	12.551	202	1047756	90.407	ng	100
81) Benzo(a)anthracene	13.727	228	432136	47.740	ng	96
83) Chrysene	13.763	228	342529	39.911	ng	96
88) Benzo(b)fluoranthene	14.739	252	462347	67.767	ng	97
89) Benzo(k)fluoranthene	14.739	252	462347	66.554	ng	96
90) Benzo(a)pyrene	15.063	252	253308	44.610	ng	95
91) Dibenzo(a,h)anthracene	16.415	278	37601	5.688	ng	# 74
92) Benzo(g,h,i)perylene	16.804	276	117072	19.016	ng	97

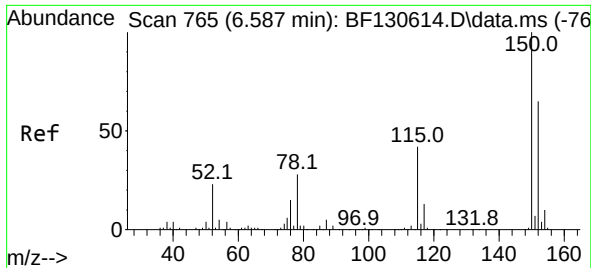
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Time: Oct 14 06:05:10 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 06:52:52 2022
Response via : Initial Calibration

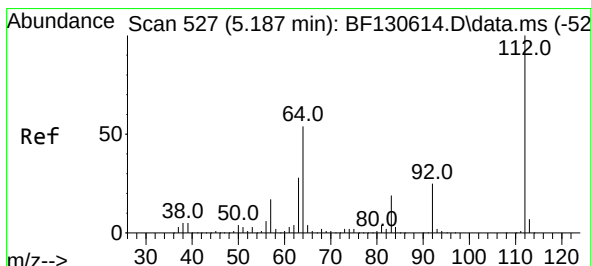
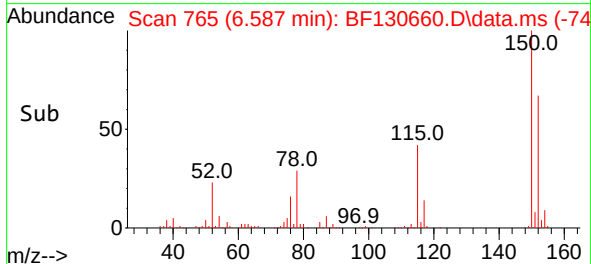
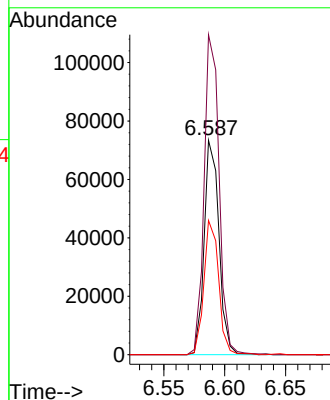
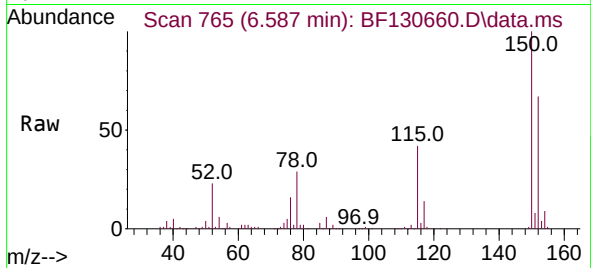




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.587 min Scan# 765
Delta R.T. -0.000 min
Lab File: BF130660.D
Acq: 13 Oct 2022 22:17

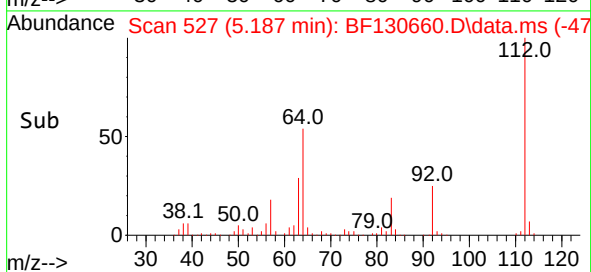
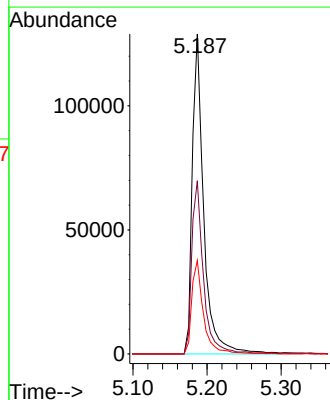
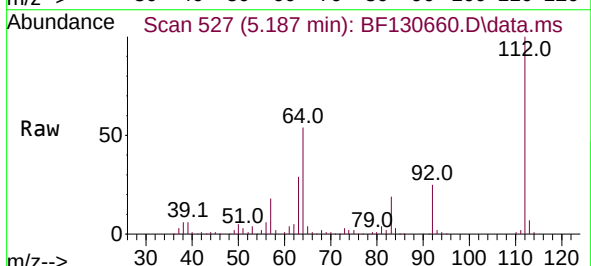
Instrument :
BNA_F
ClientSampleId :
SU-4-101222

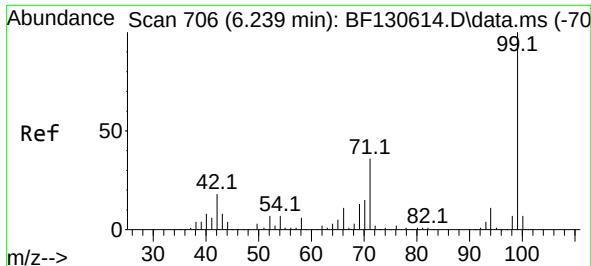
Tgt Ion:152 Resp: 61963
Ion Ratio Lower Upper
152 100
150 149.2 123.8 185.6
115 62.6 52.2 78.4



#5
2-Fluorophenol
Concen: 40.388 ng
RT: 5.187 min Scan# 527
Delta R.T. 0.000 min
Lab File: BF130660.D
Acq: 13 Oct 2022 22:17

Tgt Ion:112 Resp: 138834
Ion Ratio Lower Upper
112 100
64 54.2 43.5 65.3
63 29.2 22.6 34.0

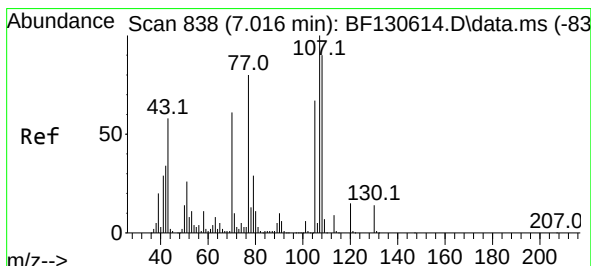
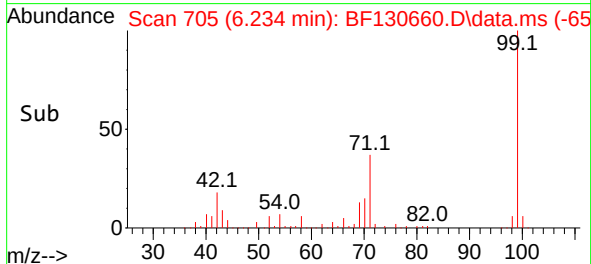
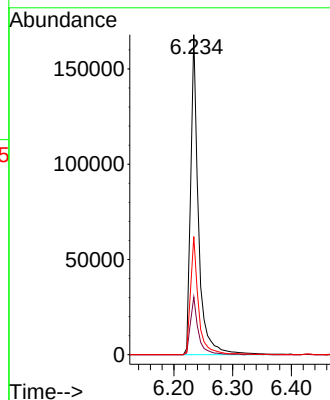
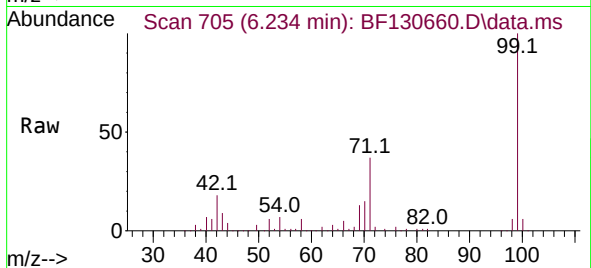




#7
Phenol-d6
Concen: 35.865 ng
RT: 6.234 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF130660.D
Acq: 13 Oct 2022 22:17

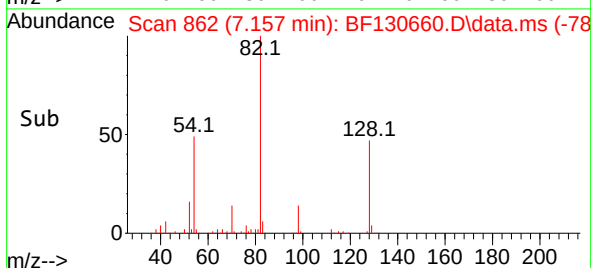
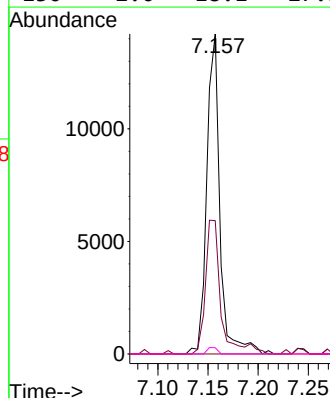
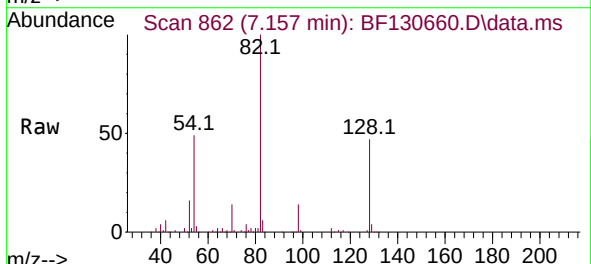
Instrument :
BNA_F
ClientSampleId :
SU-4-101222

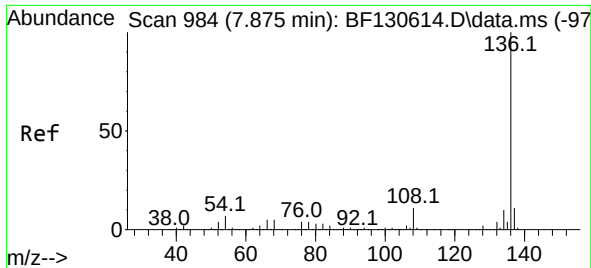
Tgt Ion: 99 Resp: 155007
Ion Ratio Lower Upper
99 100
42 18.1 14.0 21.0
71 36.9 28.8 43.2



#19
n-Nitroso-di-n-propylamine
Concen: 4.669 ng
RT: 7.157 min Scan# 862
Delta R.T. 0.141 min
Lab File: BF130660.D
Acq: 13 Oct 2022 22:17

Tgt Ion: 70 Resp: 13018
Ion Ratio Lower Upper
70 100
42 41.7 44.3 66.5#
101 0.0 7.9 11.9#
130 2.0 18.1 27.1#



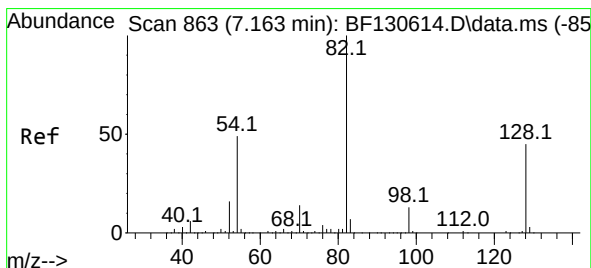
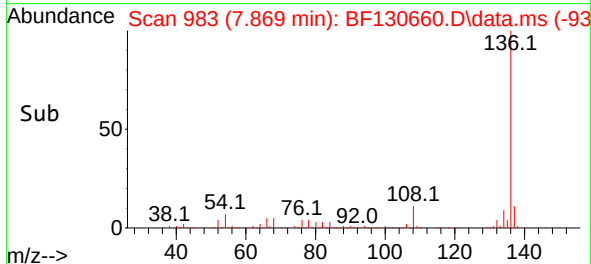
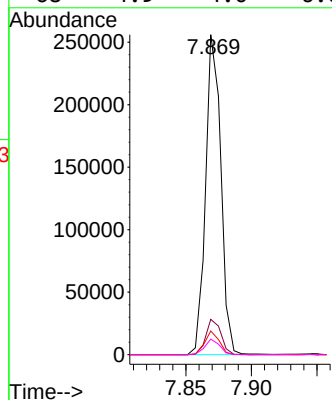
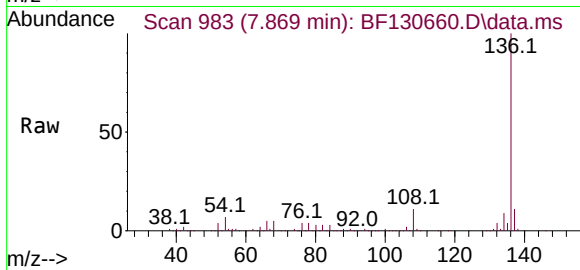


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.869 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF130660.D
Acq: 13 Oct 2022 22:17

Instrument :
BNA_F
ClientSampleId :
SU-4-101222

Tgt Ion:136 Resp: 207988

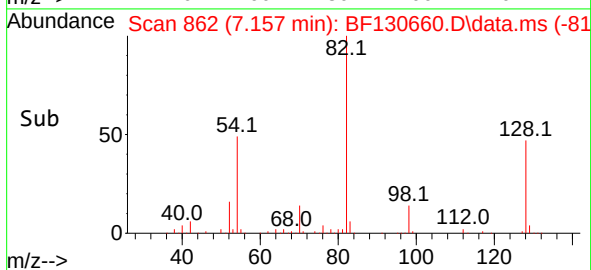
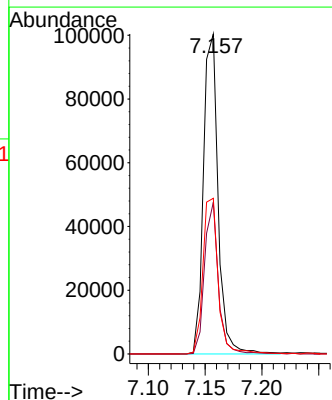
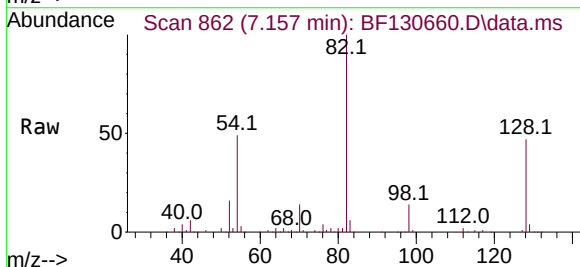
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.4	12.6
54	7.4	5.5	8.3
68	4.9	4.0	6.0

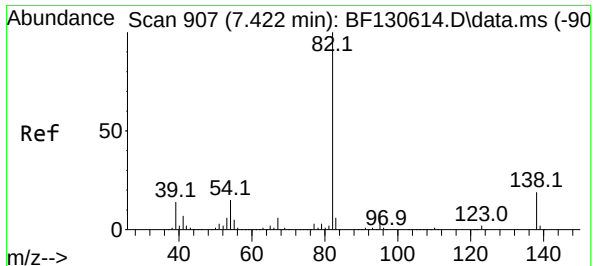


#23
Nitrobenzene-d5
Concen: 23.722 ng
RT: 7.157 min Scan# 862
Delta R.T. -0.006 min
Lab File: BF130660.D
Acq: 13 Oct 2022 22:17

Tgt Ion: 82 Resp: 90378

Ion	Ratio	Lower	Upper
82	100		
128	47.4	35.8	53.6
54	48.6	39.3	58.9

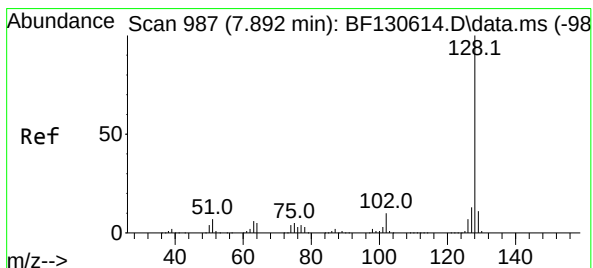
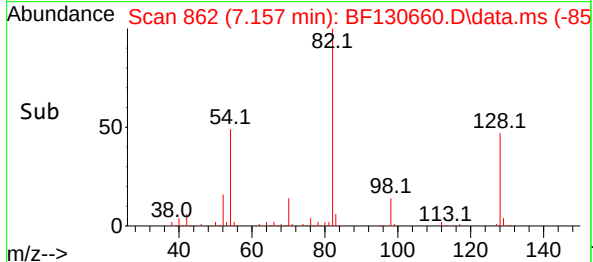
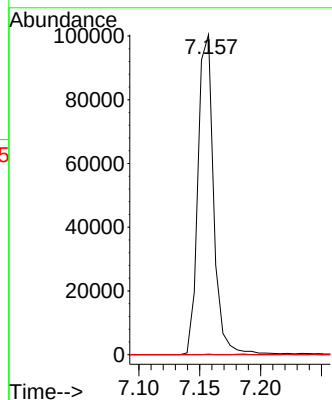
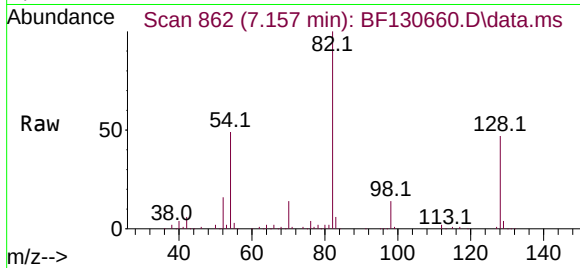




#25
Isophorone
Concen: 14.253 ng
RT: 7.157 min Scan# 80
Delta R.T. -0.264 min
Lab File: BF130660.D
Acq: 13 Oct 2022 22:17

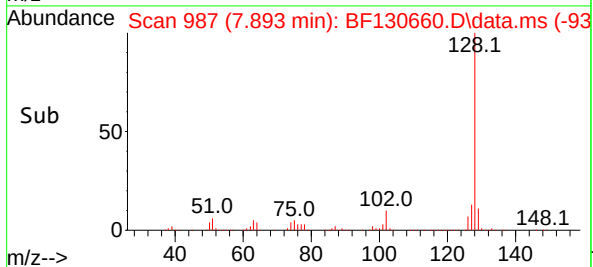
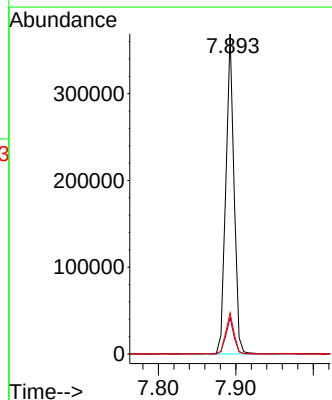
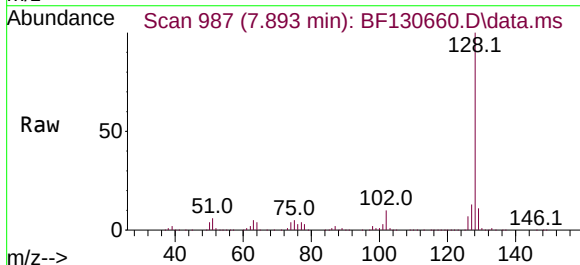
Instrument :
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ClientSampleId :
SU-4-101222

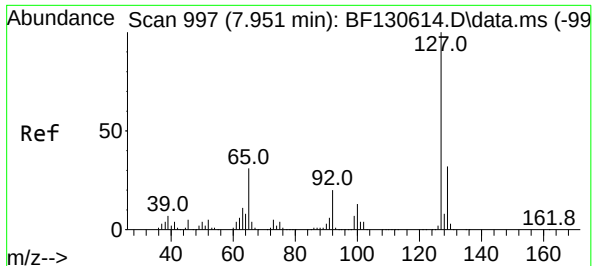
Tgt Ion: 82 Resp: 90377
Ion Ratio Lower Upper
82 100
95 0.2 6.1 9.1#
138 0.0 14.9 22.3#



#31
Naphthalene
Concen: 25.291 ng
RT: 7.893 min Scan# 987
Delta R.T. 0.000 min
Lab File: BF130660.D
Acq: 13 Oct 2022 22:17

Tgt Ion:128 Resp: 272288
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.4
127 12.9 10.3 15.5

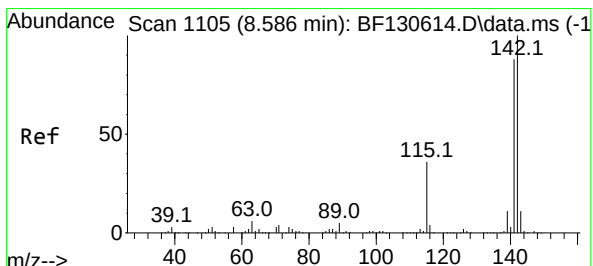
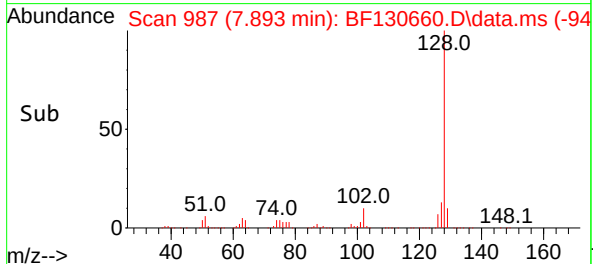
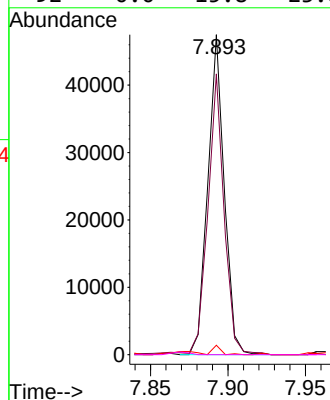
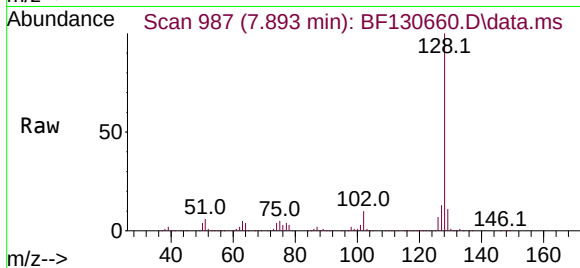




#33
4-Chloroaniline
Concen: 8.418 ng
RT: 7.893 min Scan# 91
Delta R.T. -0.058 min
Lab File: BF130660.D
Acq: 13 Oct 2022 22:17

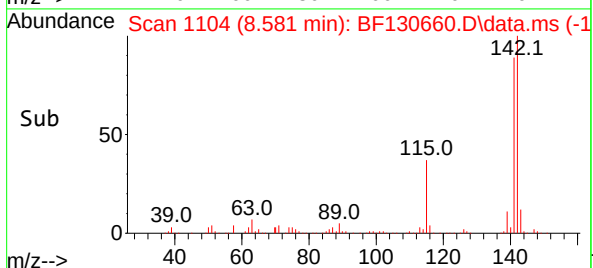
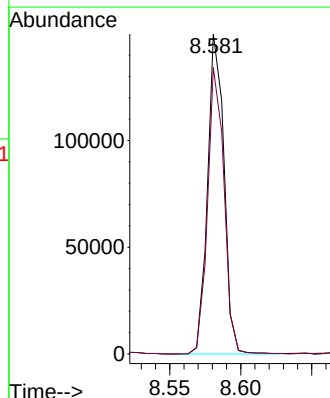
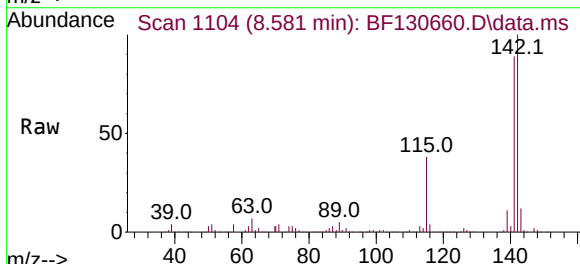
Instrument :
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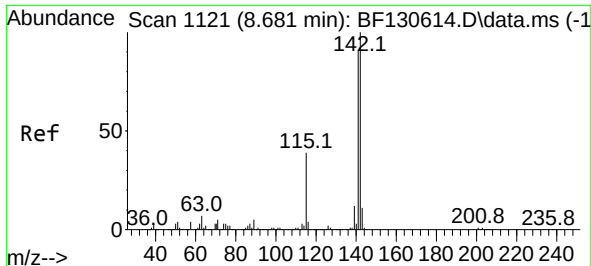
Tgt Ion:127	Resp:	35108
Ion Ratio	Lower	Upper
127	100	
129	87.7	25.7 38.5#
65	3.0	24.7 37.1#
92	0.0	15.8 23.8#



#37
2-Methylnaphthalene
Concen: 17.834 ng
RT: 8.581 min Scan# 1104
Delta R.T. -0.006 min
Lab File: BF130660.D
Acq: 13 Oct 2022 22:17

Tgt Ion:142	Resp:	120833
Ion Ratio	Lower	Upper
142	100	
141	89.5	70.7 106.1

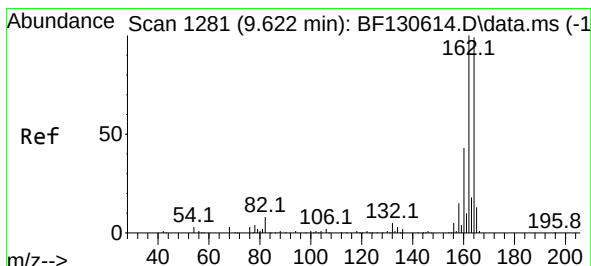
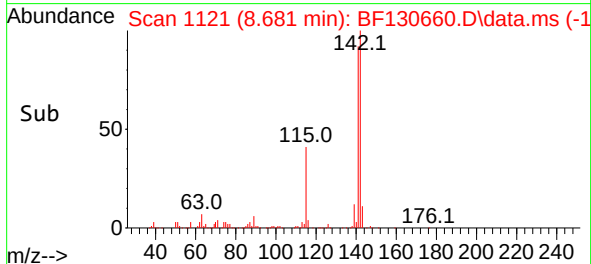
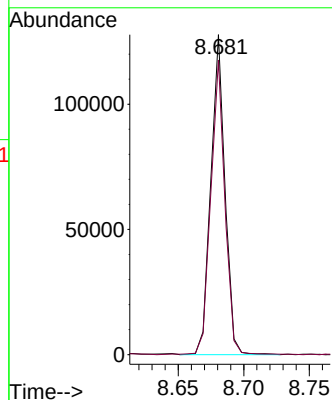
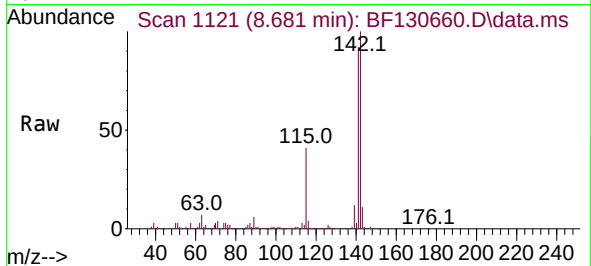




#38
1-Methylnaphthalene
Concen: 14.601 ng
RT: 8.681 min Scan# 1121
Delta R.T. 0.000 min
Lab File: BF130660.D
Acq: 13 Oct 2022 22:17

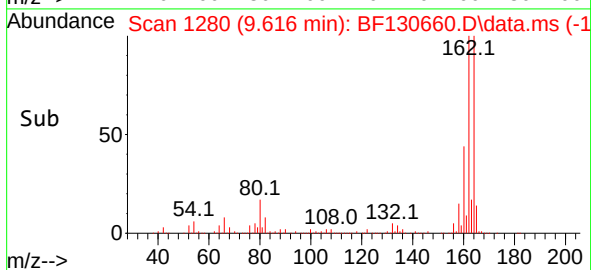
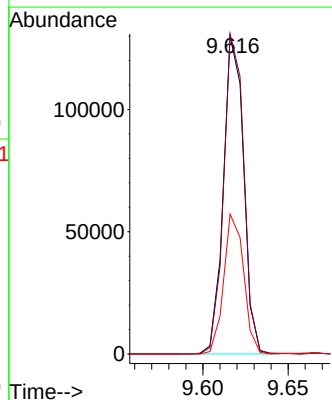
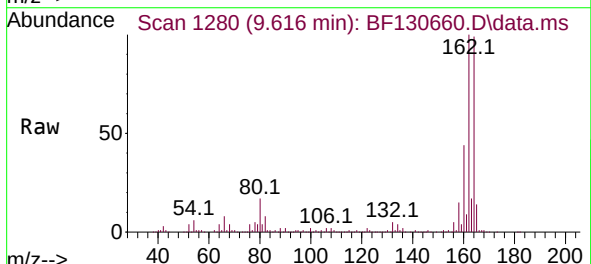
Instrument :
BNA_F
ClientSampleId :
SU-4-101222

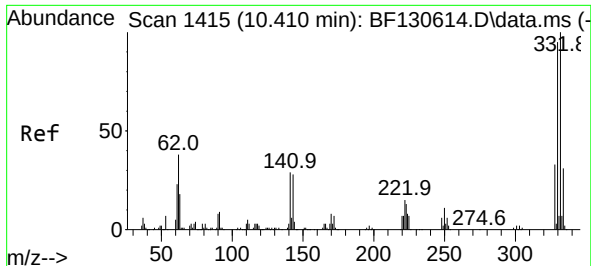
Tgt Ion:142 Resp: 96032
Ion Ratio Lower Upper
142 100
141 92.1 72.6 108.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.616 min Scan# 1280
Delta R.T. -0.006 min
Lab File: BF130660.D
Acq: 13 Oct 2022 22:17

Tgt Ion:164 Resp: 107461
Ion Ratio Lower Upper
164 100
162 100.5 81.0 121.4
160 43.9 34.5 51.7





#42

2,4,6-Tribromophenol

Concen: 43.170 ng

RT: 10.404 min Scan# 1415

Delta R.T. -0.006 min

Lab File: BF130660.D

Acq: 13 Oct 2022 22:17

Instrument :

BNA_F

ClientSampleId :

SU-4-101222

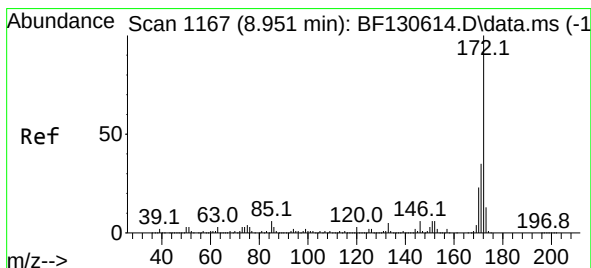
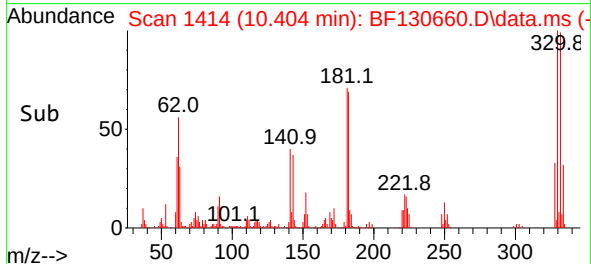
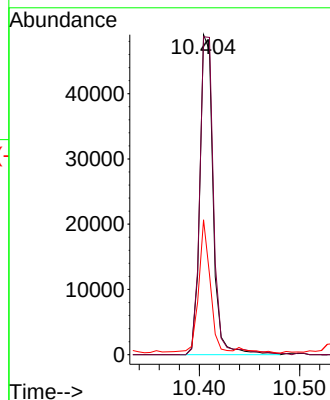
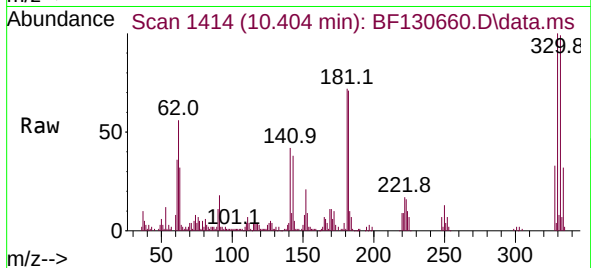
Tgt Ion:330 Resp: 45393

Ion Ratio Lower Upper

330 100

332 103.8 84.2 126.4

141 35.3 26.8 40.2



#45

2-Fluorobiphenyl

Concen: 24.245 ng

RT: 8.945 min Scan# 1166

Delta R.T. -0.006 min

Lab File: BF130660.D

Acq: 13 Oct 2022 22:17

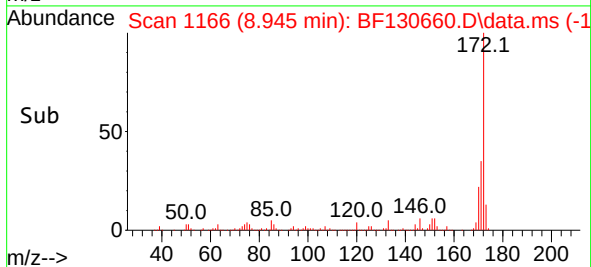
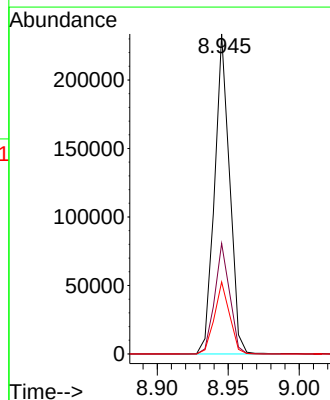
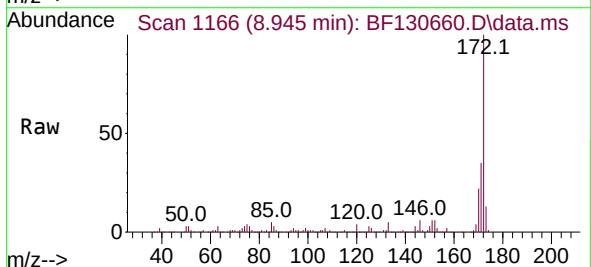
Tgt Ion:172 Resp: 172003

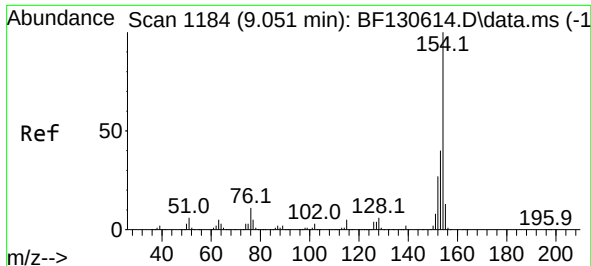
Ion Ratio Lower Upper

172 100

171 34.5 27.8 41.8

170 22.5 18.6 27.8

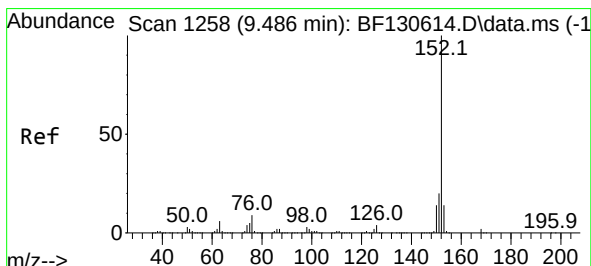
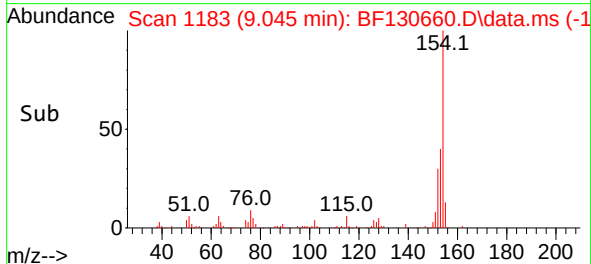
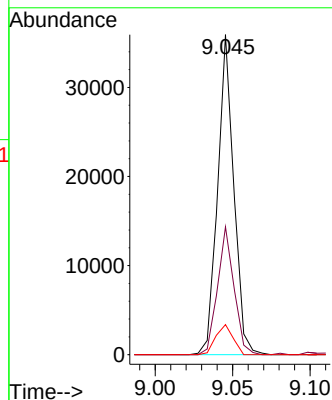
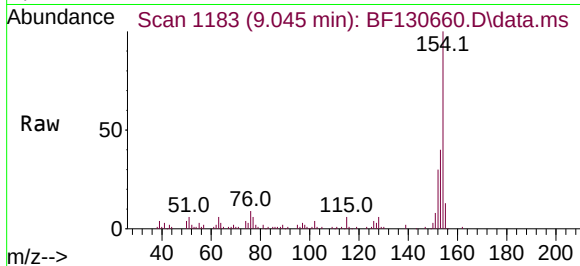




#46
1,1'-Biphenyl
Concen: 3.339 ng
RT: 9.045 min Scan# 1184
Delta R.T. -0.006 min
Lab File: BF130660.D
Acq: 13 Oct 2022 22:17

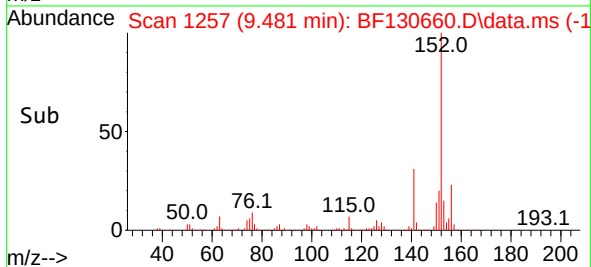
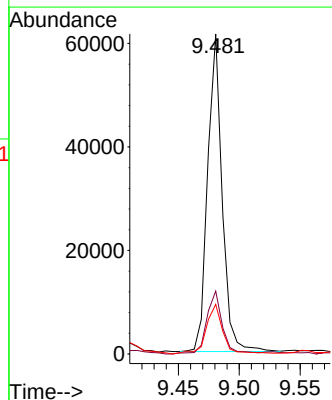
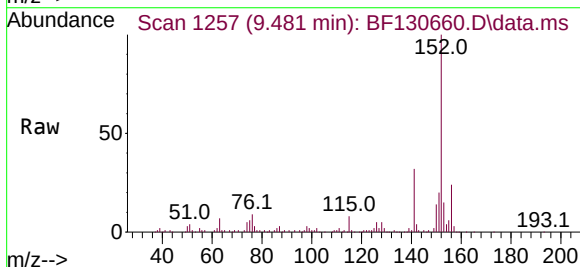
Instrument :
BNA_F
ClientSampleId :
SU-4-101222

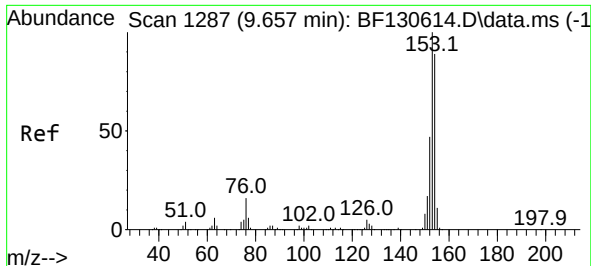
Tgt Ion:154 Resp: 26007
Ion Ratio Lower Upper
154 100
153 39.9 20.0 60.0
76 9.4 0.0 30.8



#49
Acenaphthylene
Concen: 5.331 ng
RT: 9.481 min Scan# 1257
Delta R.T. -0.005 min
Lab File: BF130660.D
Acq: 13 Oct 2022 22:17

Tgt Ion:152 Resp: 50846
Ion Ratio Lower Upper
152 100
151 19.7 16.2 24.2
153 15.5 10.8 16.2

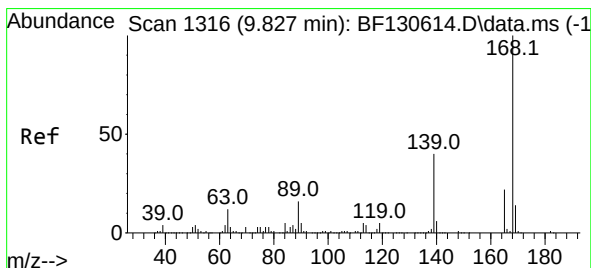
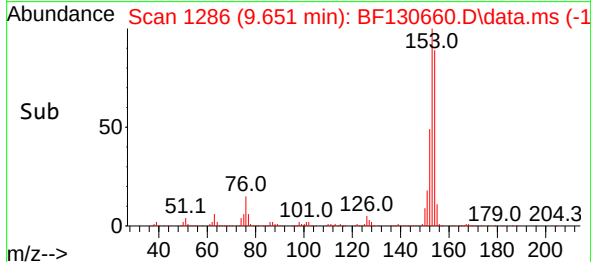
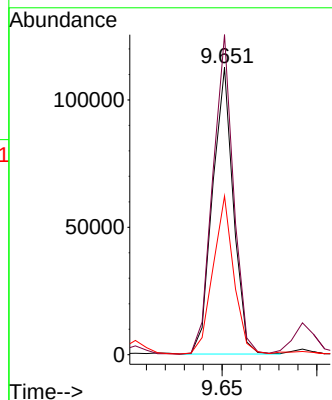
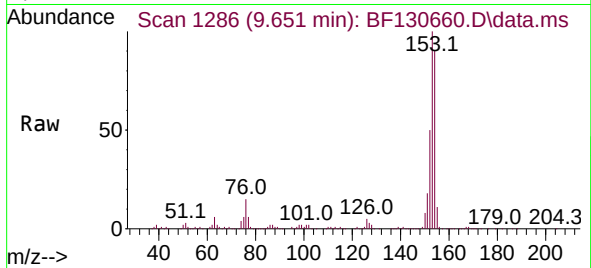




#52
Acenaphthene
Concen: 14.835 ng
RT: 9.651 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130660.D
Acq: 13 Oct 2022 22:17

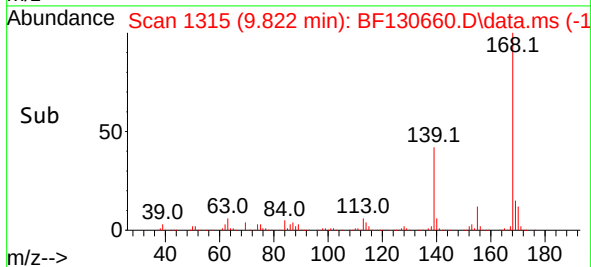
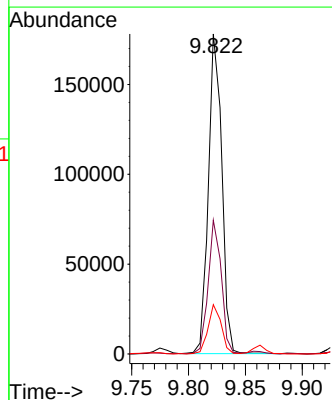
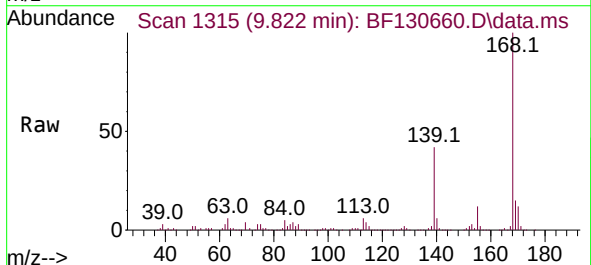
Instrument :
BNA_F
ClientSampleId :
SU-4-101222

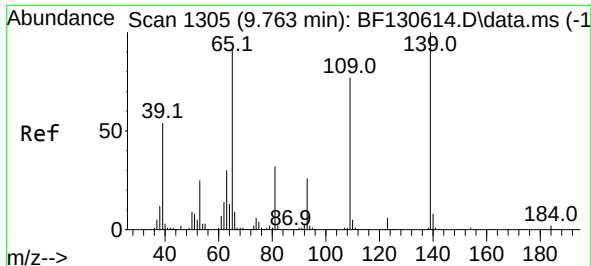
Tgt Ion:154 Resp: 85719
Ion Ratio Lower Upper
154 100
153 111.4 89.6 134.4
152 55.2 42.4 63.6



#55
Dibenzofuran
Concen: 16.566 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.006 min
Lab File: BF130660.D
Acq: 13 Oct 2022 22:17

Tgt Ion:168 Resp: 145818
Ion Ratio Lower Upper
168 100
139 41.8 33.0 49.4
169 15.4 10.9 16.3

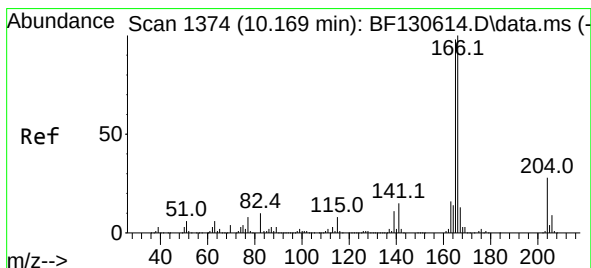
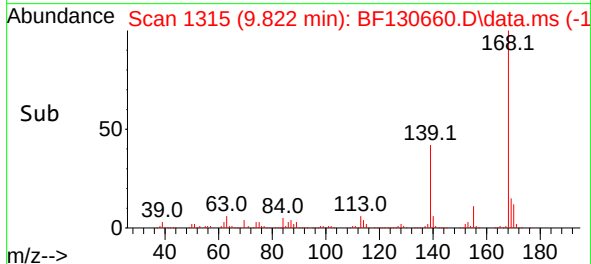
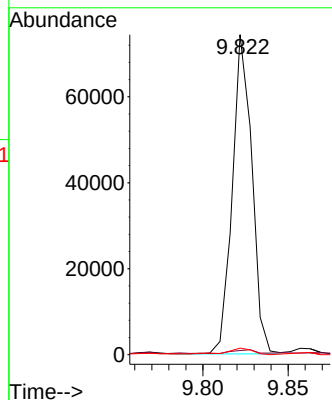
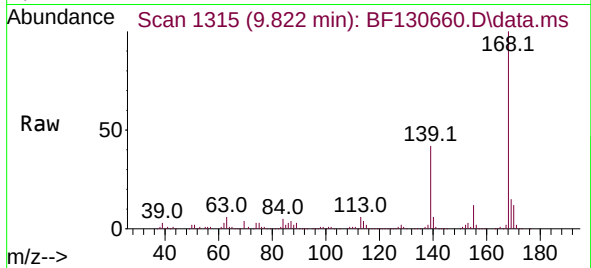




#56
4-Nitrophenol
Concen: 59.979 ng
RT: 9.822 min Scan# 11
Delta R.T. 0.059 min
Lab File: BF130660.D
Acq: 13 Oct 2022 22:17

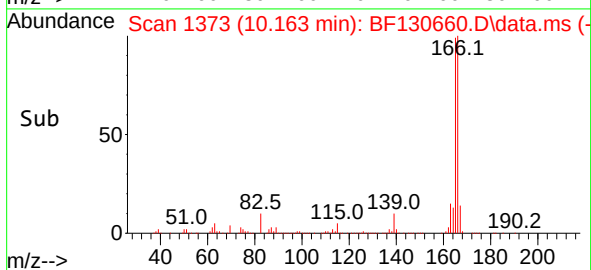
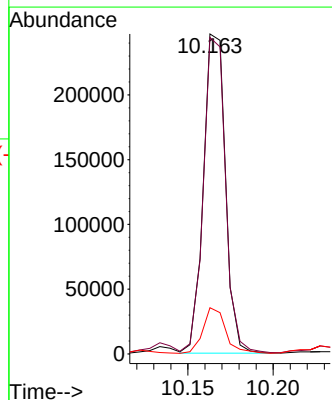
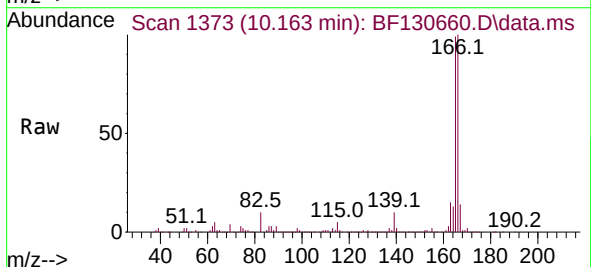
Instrument :
BNA_F
ClientSampleId :
SU-4-101222

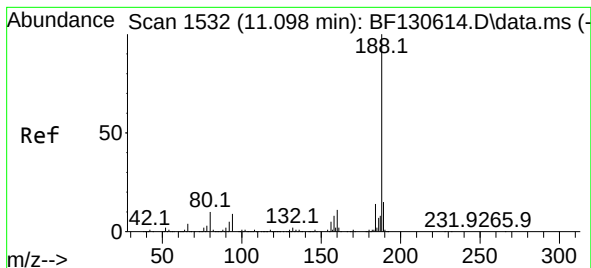
Tgt Ion:139 Resp: 59152
Ion Ratio Lower Upper
139 100
109 1.3 57.4 97.4#
65 2.0 71.3 111.3#



#58
Fluorene
Concen: 30.602 ng
RT: 10.163 min Scan# 1373
Delta R.T. -0.006 min
Lab File: BF130660.D
Acq: 13 Oct 2022 22:17

Tgt Ion:166 Resp: 221456
Ion Ratio Lower Upper
166 100
165 98.9 78.2 117.4
167 14.5 10.8 16.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.098 min Scan# 1532

Delta R.T. 0.000 min

Lab File: BF130660.D

Acq: 13 Oct 2022 22:17

Instrument :

BNA_F

ClientSampleId :

SU-4-101222

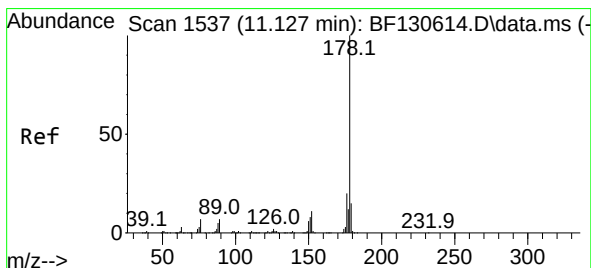
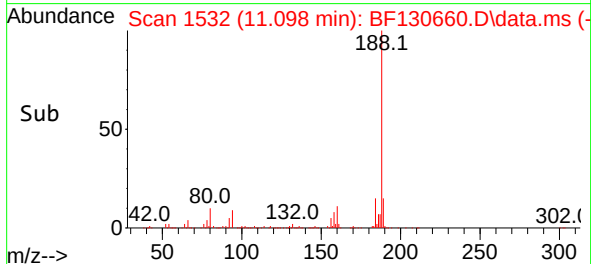
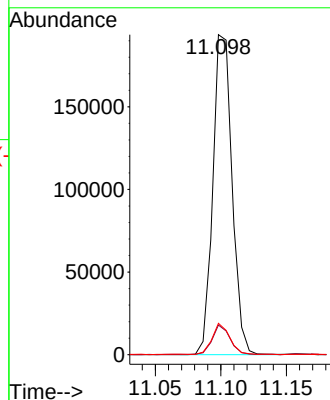
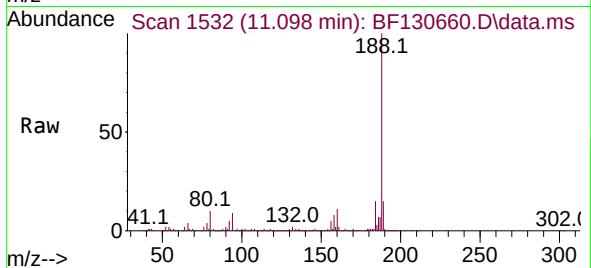
Tgt Ion:188 Resp: 197630

Ion Ratio Lower Upper

188 100

94 9.3 7.4 11.2

80 9.8 8.0 12.0



#71

Phenanthrene

Concen: 126.468 ng

RT: 11.133 min Scan# 1538

Delta R.T. 0.006 min

Lab File: BF130660.D

Acq: 13 Oct 2022 22:17

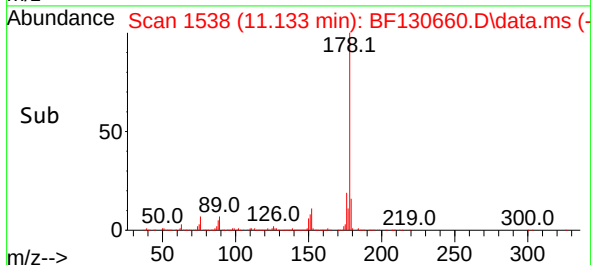
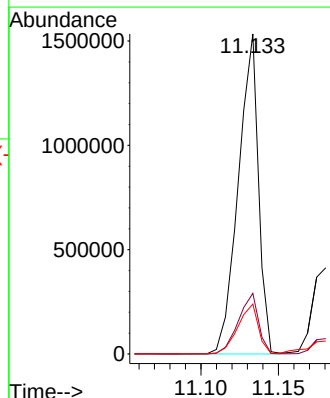
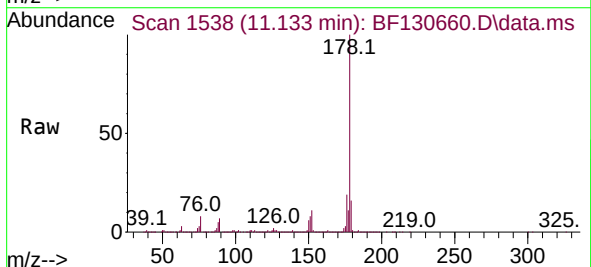
Tgt Ion:178 Resp: 1384744

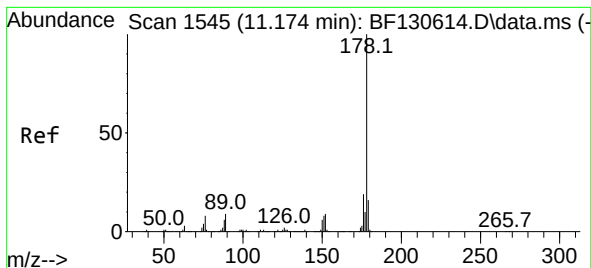
Ion Ratio Lower Upper

178 100

176 18.9 15.7 23.5

179 15.6 12.2 18.4





#72

Anthracene

Concen: 31.925 ng

RT: 11.181 min Scan# 1546

Delta R.T. 0.006 min

Lab File: BF130660.D

Acq: 13 Oct 2022 22:17

Instrument :

BNA_F

ClientSampleId :

SU-4-101222

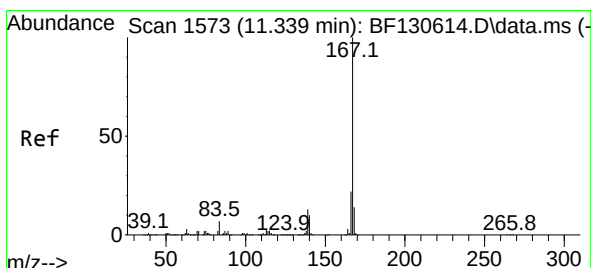
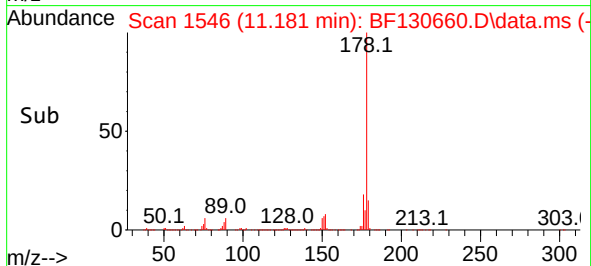
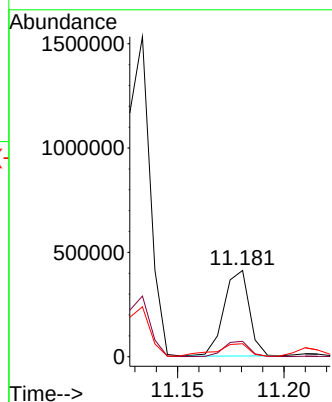
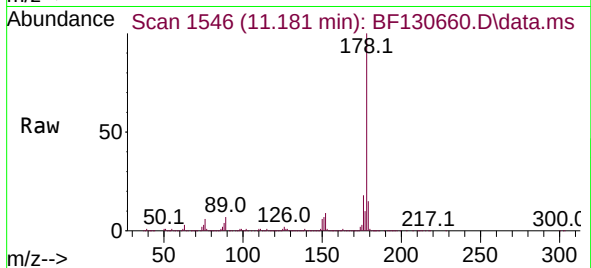
Tgt Ion:178 Resp: 341397

Ion Ratio Lower Upper

178 100

176 17.9 15.0 22.4

179 15.1 12.5 18.7



#73

Carbazole

Concen: 15.856 ng

RT: 11.339 min Scan# 1573

Delta R.T. 0.000 min

Lab File: BF130660.D

Acq: 13 Oct 2022 22:17

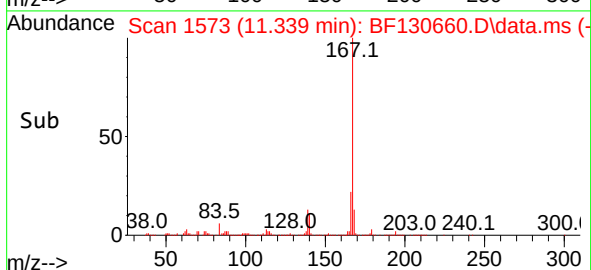
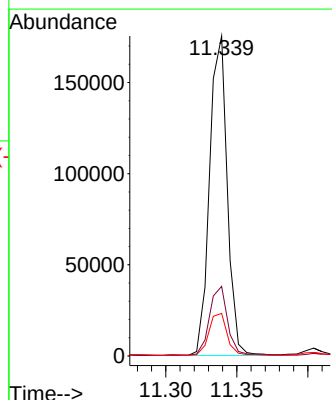
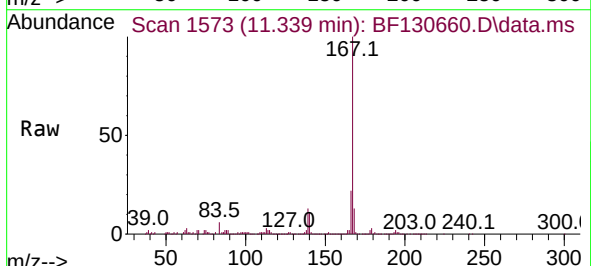
Tgt Ion:167 Resp: 151299

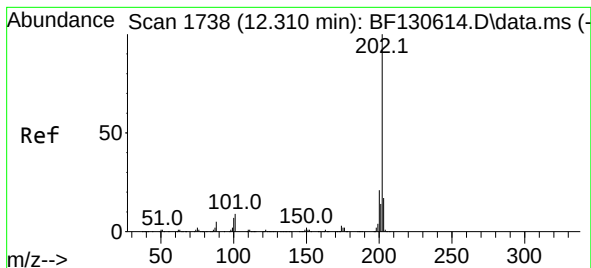
Ion Ratio Lower Upper

167 100

166 21.8 17.3 25.9

139 13.3 10.7 16.1





#75

Fluoranthene

Concen: 123.243 ng

RT: 12.322 min Scan# 11

Delta R.T. 0.012 min

Lab File: BF130660.D

Acq: 13 Oct 2022 22:17

Instrument :

BNA_F

ClientSampleId :

SU-4-101222

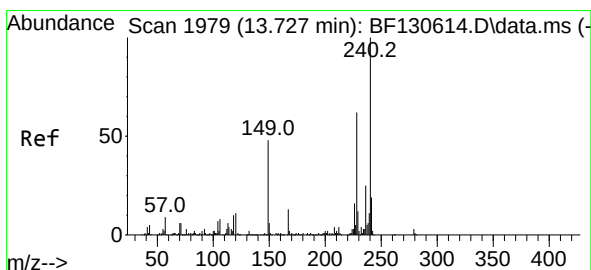
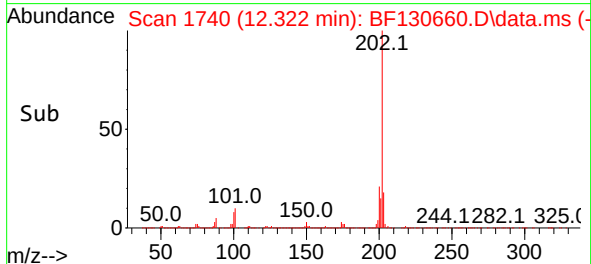
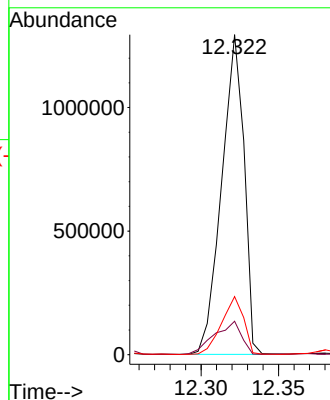
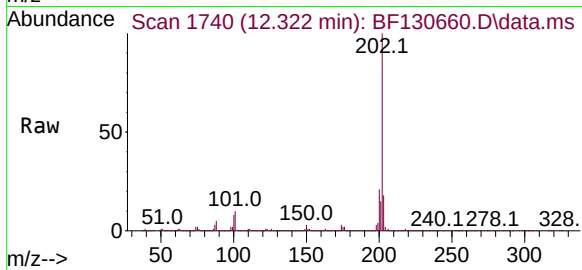
Tgt Ion:202 Resp: 1296946

Ion Ratio Lower Upper

202 100

101 10.4 0.0 29.1

203 18.2 0.0 37.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.739 min Scan# 1981

Delta R.T. 0.012 min

Lab File: BF130660.D

Acq: 13 Oct 2022 22:17

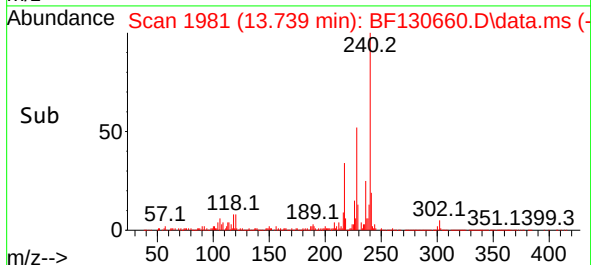
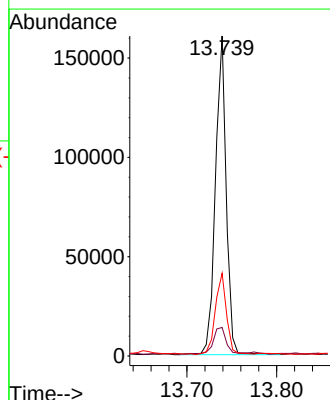
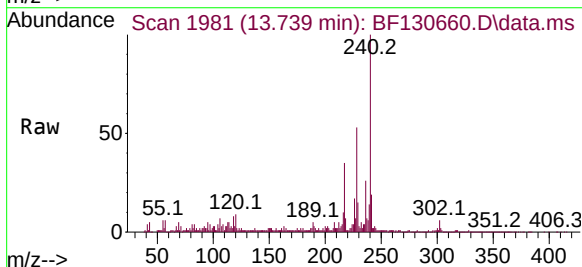
Tgt Ion:240 Resp: 134337

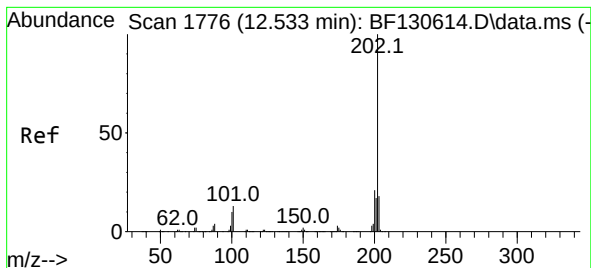
Ion Ratio Lower Upper

240 100

120 8.9 8.6 13.0

236 25.9 20.2 30.4





#78

Pyrene

Concen: 90.407 ng

RT: 12.551 min Scan# 1

Delta R.T. 0.018 min

Lab File: BF130660.D

Acq: 13 Oct 2022 22:17

Instrument :

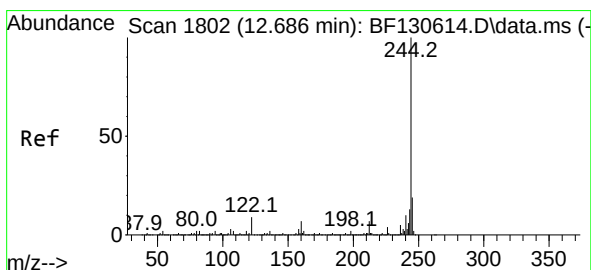
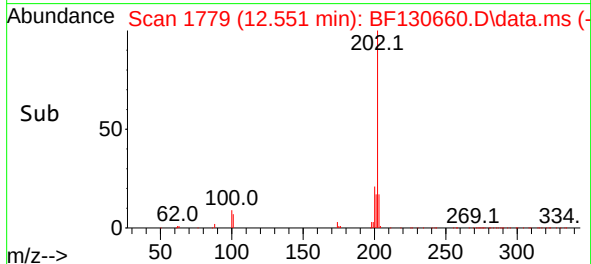
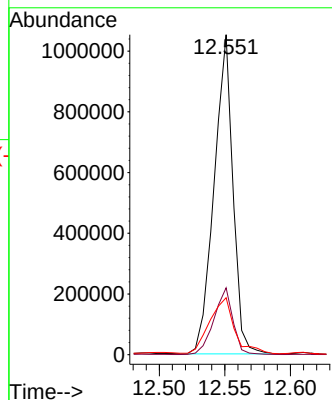
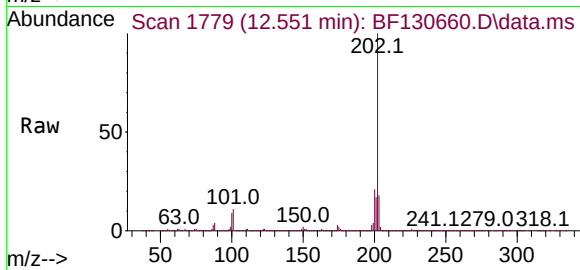
BNA_F

ClientSampleId :

SU-4-101222

Tgt Ion:202 Resp: 1047756

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	17.8	14.0	21.0



#79

Terphenyl-d14

Concen: 25.955 ng

RT: 12.692 min Scan# 1803

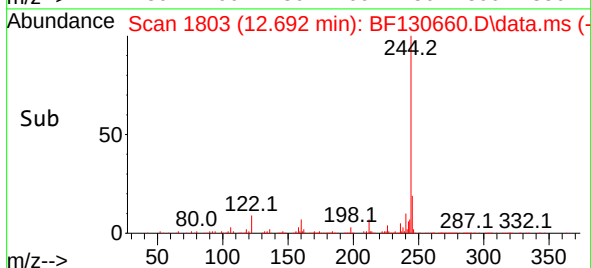
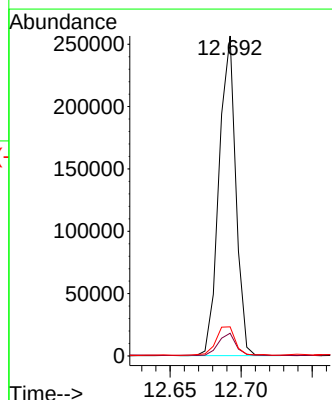
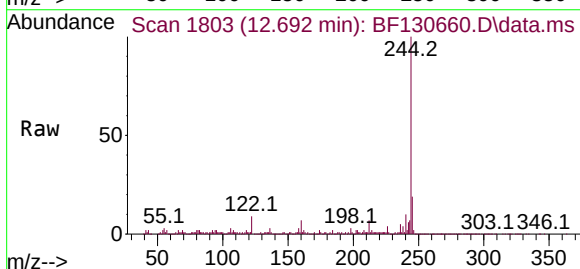
Delta R.T. 0.006 min

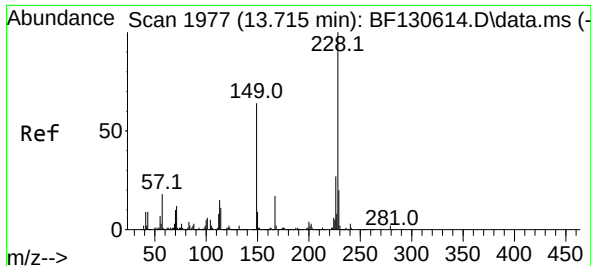
Lab File: BF130660.D

Acq: 13 Oct 2022 22:17

Tgt Ion:244 Resp: 210080

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	9.1	7.5	11.3

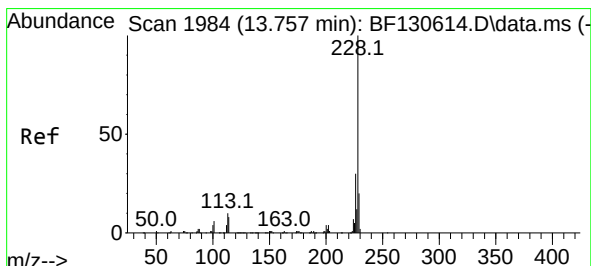
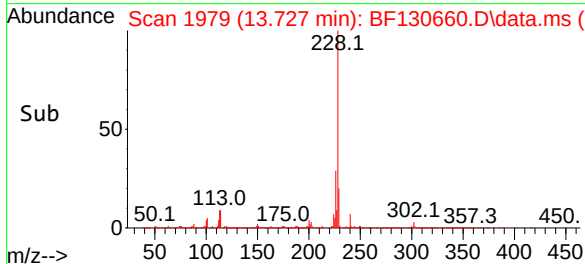
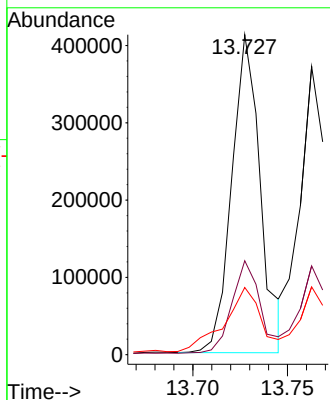
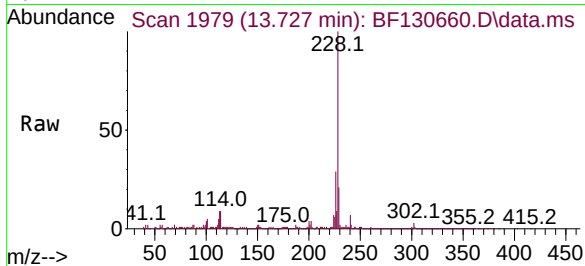




#81
Benzo(a)anthracene
Concen: 47.740 ng
RT: 13.727 min Scan# 1979
Delta R.T. 0.012 min
Lab File: BF130660.D
Acq: 13 Oct 2022 22:17

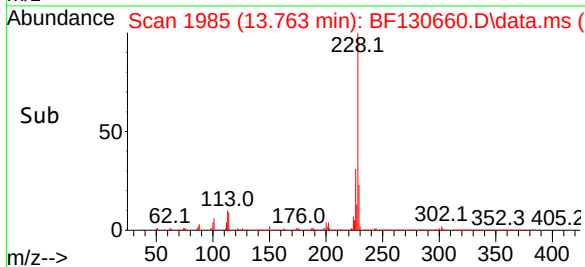
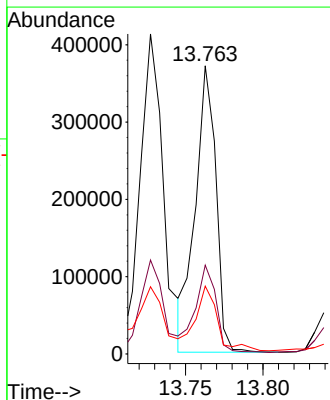
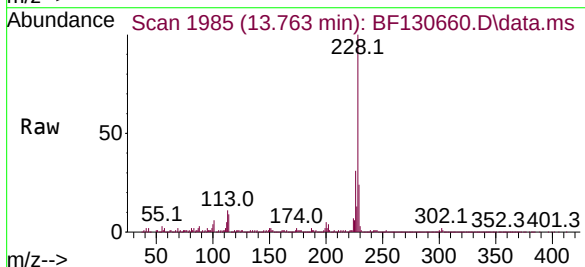
Instrument :
BNA_F
ClientSampleId :
SU-4-101222

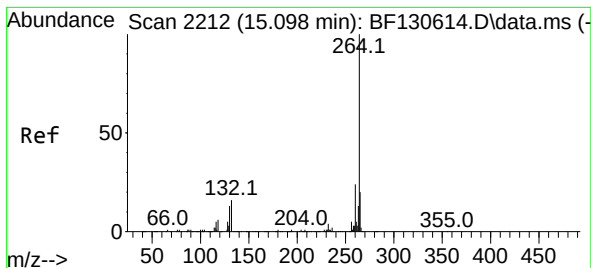
Tgt Ion:228 Resp: 432136
Ion Ratio Lower Upper
228 100
226 29.4 21.4 32.2
229 21.0 15.8 23.8



#83
Chrysene
Concen: 39.911 ng
RT: 13.763 min Scan# 1985
Delta R.T. 0.006 min
Lab File: BF130660.D
Acq: 13 Oct 2022 22:17

Tgt Ion:228 Resp: 342529
Ion Ratio Lower Upper
228 100
226 30.8 23.9 35.9
229 23.6 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.116 min Scan# 2116

Delta R.T. 0.018 min

Lab File: BF130660.D

Acq: 13 Oct 2022 22:17

Instrument :

BNA_F

ClientSampleId :

SU-4-101222

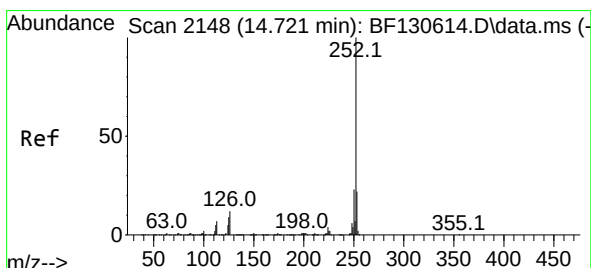
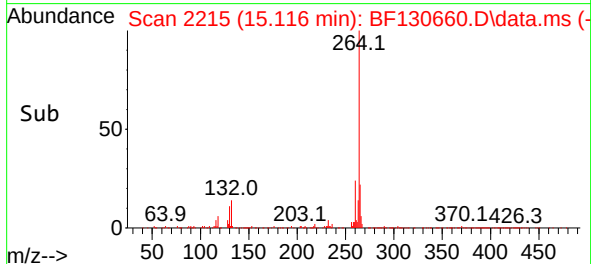
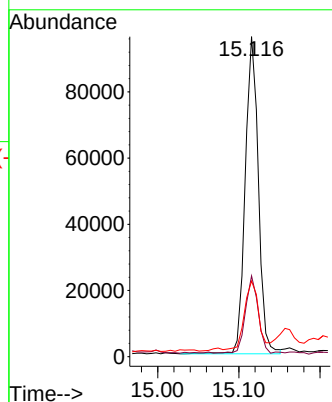
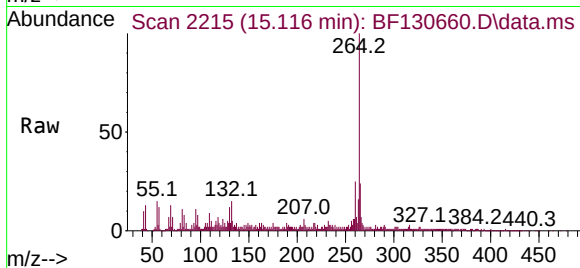
Tgt Ion:264 Resp: 107744

Ion Ratio Lower Upper

264 100

260 25.3 19.1 28.7

265 23.6 16.4 24.6



#88

Benzo(b)fluoranthene

Concen: 67.767 ng

RT: 14.739 min Scan# 2151

Delta R.T. 0.018 min

Lab File: BF130660.D

Acq: 13 Oct 2022 22:17

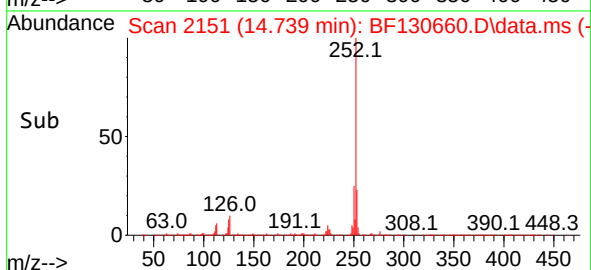
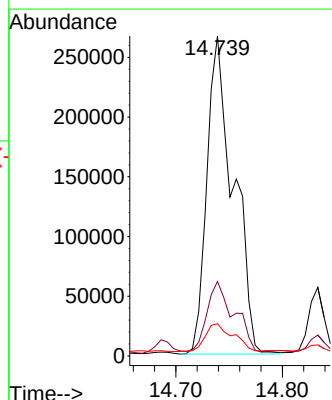
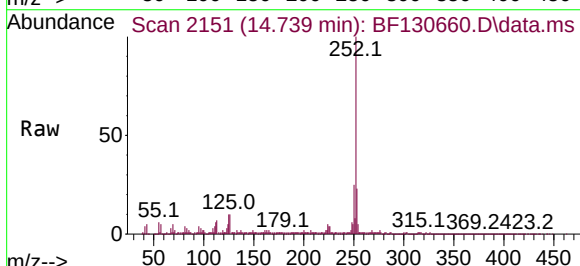
Tgt Ion:252 Resp: 462347

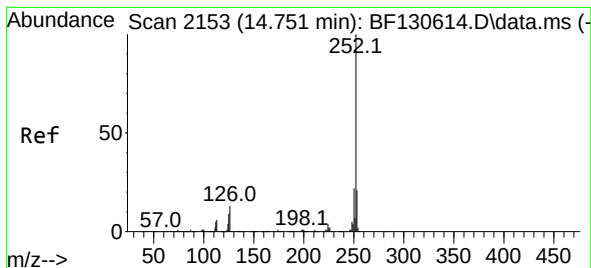
Ion Ratio Lower Upper

252 100

253 23.3 17.4 26.2

125 10.1 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 66.554 ng

RT: 14.739 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF130660.D

Acq: 13 Oct 2022 22:17

Instrument :

BNA_F

ClientSampleId :

SU-4-101222

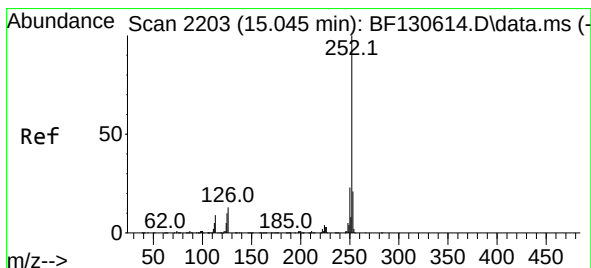
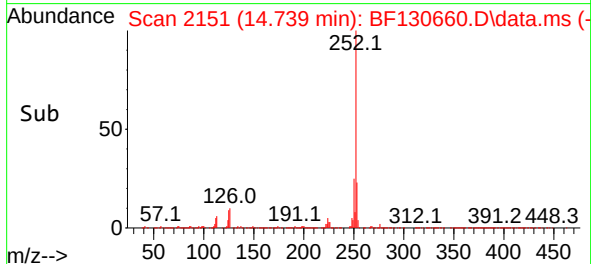
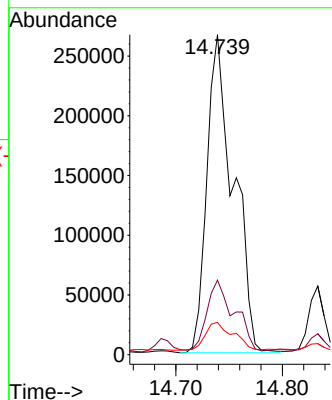
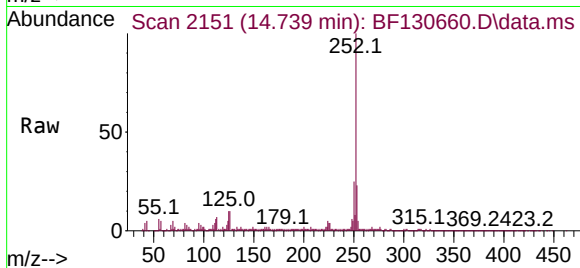
Tgt Ion:252 Resp: 462347

Ion Ratio Lower Upper

252 100

253 23.3 17.0 25.4

125 10.1 7.2 10.8



#90

Benzo(a)pyrene

Concen: 44.610 ng

RT: 15.063 min Scan# 2206

Delta R.T. 0.018 min

Lab File: BF130660.D

Acq: 13 Oct 2022 22:17

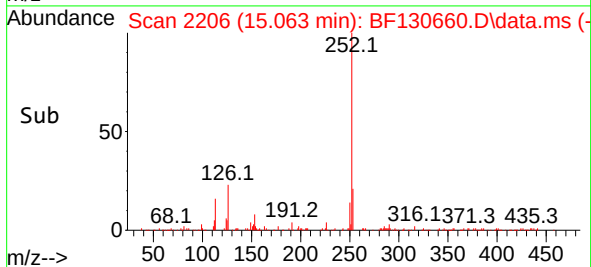
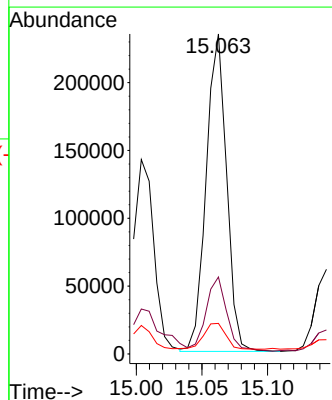
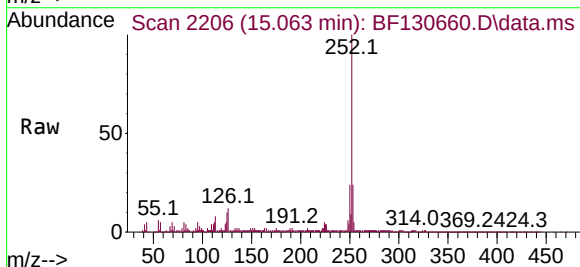
Tgt Ion:252 Resp: 253308

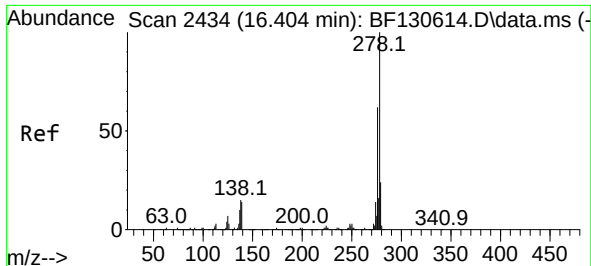
Ion Ratio Lower Upper

252 100

253 24.1 17.0 25.6

125 9.5 8.4 12.6

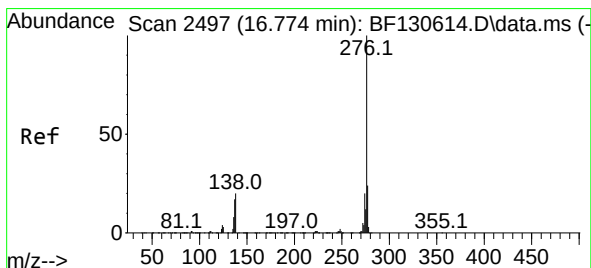
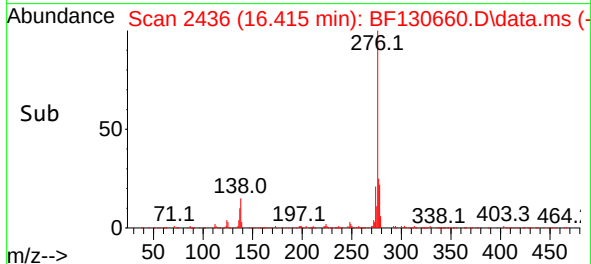
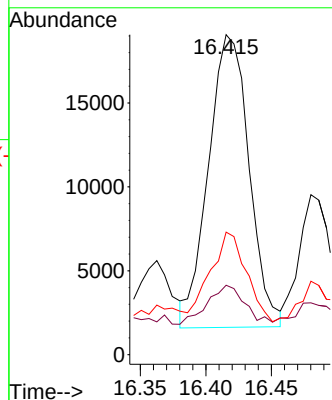
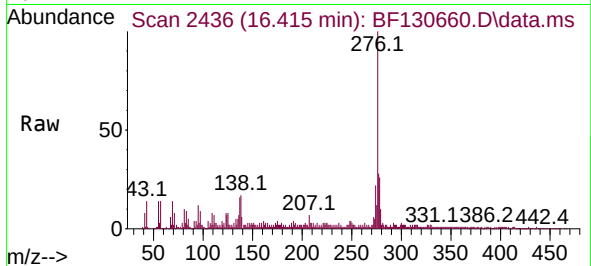




#91
Dibenzo(a,h)anthracene
Concen: 5.688 ng
RT: 16.415 min Scan# 2434
Delta R.T. 0.012 min
Lab File: BF130660.D
Acq: 13 Oct 2022 22:17

Instrument :
BNA_F
ClientSampleId :
SU-4-101222

Tgt Ion:278 Resp: 37601
Ion Ratio Lower Upper
278 100
139 21.7 11.1 16.7#
279 38.3 19.0 28.4#



#92
Benzo(g,h,i)perylene
Concen: 19.016 ng
RT: 16.804 min Scan# 2502
Delta R.T. 0.030 min
Lab File: BF130660.D
Acq: 13 Oct 2022 22:17

Tgt Ion:276 Resp: 117072
Ion Ratio Lower Upper
276 100
277 23.5 18.9 28.3
138 17.3 15.9 23.9

