

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111122\
 Data File : BF131164.D
 Acq On : 11 Nov 2022 20:57
 Operator : CG\JU
 Sample : N5556-01 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RM-1

Quant Time: Nov 12 00:06:57 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 12 00:03:31 2022
 Response via : Initial Calibration

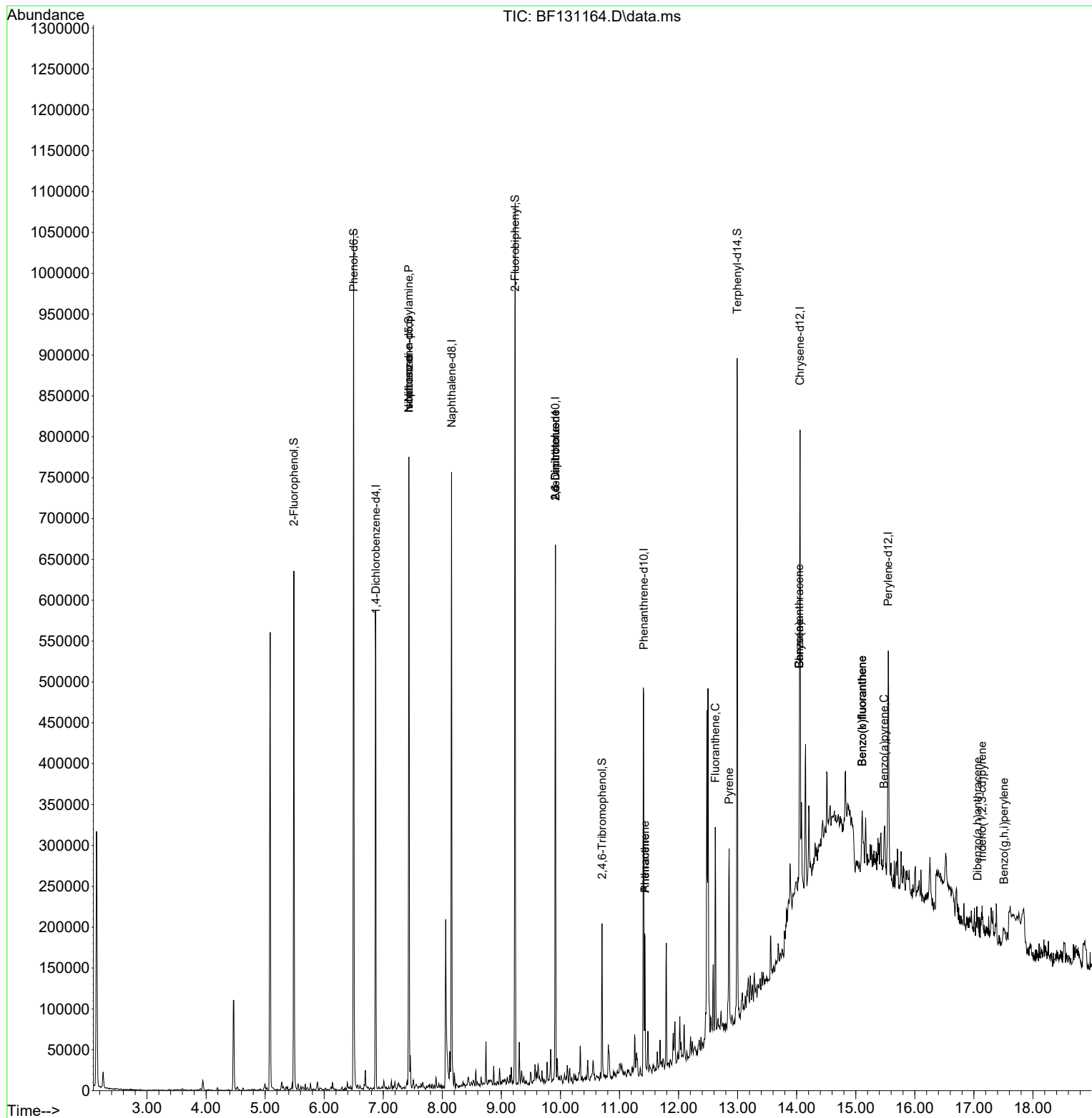
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	78505	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	265894	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	118050	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	176058	20.000	ng	# 0.00
76) Chrysene-d12	14.057	240	170575	20.000	ng	# 0.00
86) Perylene-d12	15.551	264	98038	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	138291	29.957	ng	0.00
7) Phenol-d6	6.498	99	262524	43.499	ng	0.00
23) Nitrobenzene-d5	7.434	82	213419	36.215	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	17833	14.617	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	289923	34.284	ng	0.00
79) Terphenyl-d14	12.992	244	250864	25.786	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	29791	7.518	ng	# 80
25) Isophorone	7.434	82	212483	23.319	ng	# 68
51) 2,6-Dinitrotoluene	9.916	165	15316	8.299	ng	# 14
57) 2,4-Dinitrotoluene	9.916	165	15316	6.243	ng	# 16
71) Phenanthrene	11.433	178	60131	6.210	ng	99
72) Anthracene	11.433	178	60131	6.398	ng	99
75) Fluoranthene	12.622	202	88106	9.090	ng	98
78) Pyrene	12.857	202	76773	5.246	ng	99
81) Benzo(a)anthracene	14.045	228	46429	3.808	ng	95
83) Chrysene	14.045	228	46429	4.032	ng	97
87) Indeno(1,2,3-cd)pyrene	17.139	276	545	3.927	ng	96
88) Benzo(b)fluoranthene	15.110	252	40269	5.810	ng	# 84
89) Benzo(k)fluoranthene	15.110	252	40269	6.044	ng	# 85
90) Benzo(a)pyrene	15.480	252	21484	3.866	ng	# 83
91) Dibenzo(a,h)anthracene	17.062	278	3892	4.390	ng	# 41
92) Benzo(g,h,i)perylene	17.509	276	13203	6.107	ng	# 88

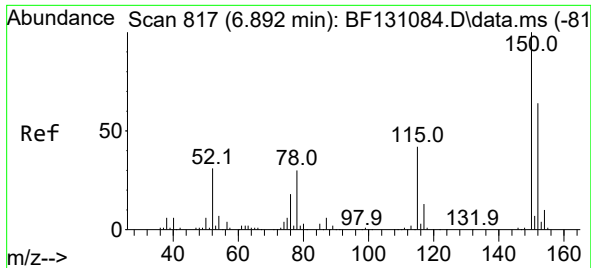
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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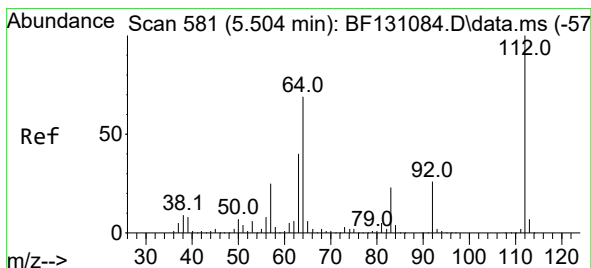
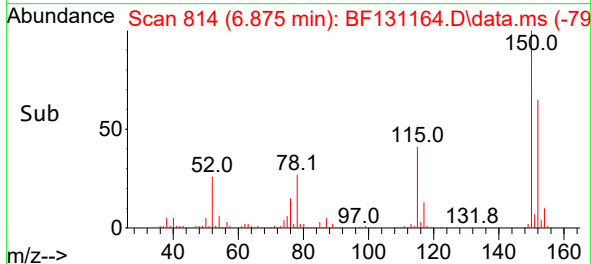
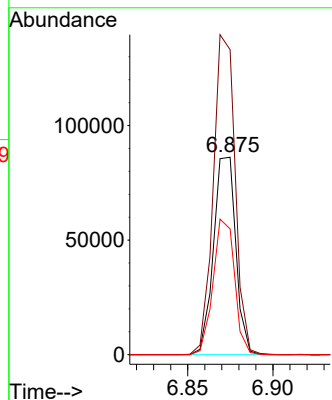
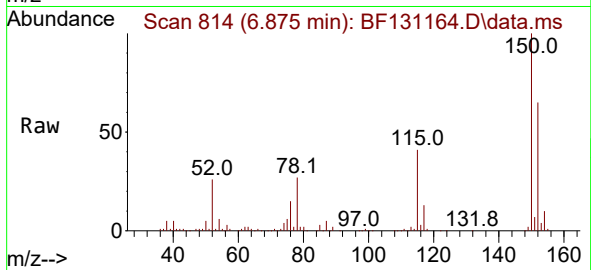




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF131164.D
Acq: 11 Nov 2022 20:57

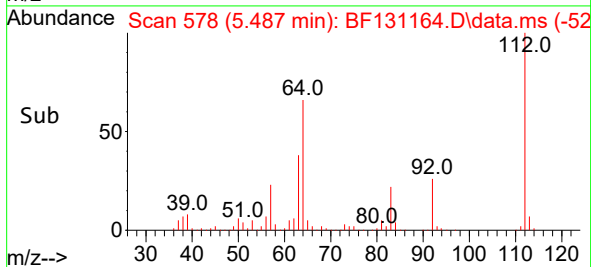
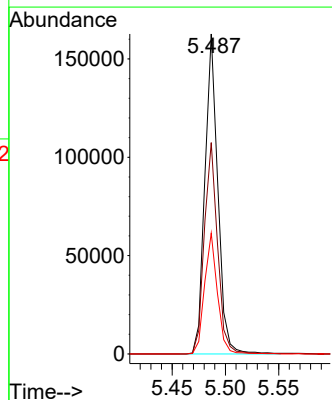
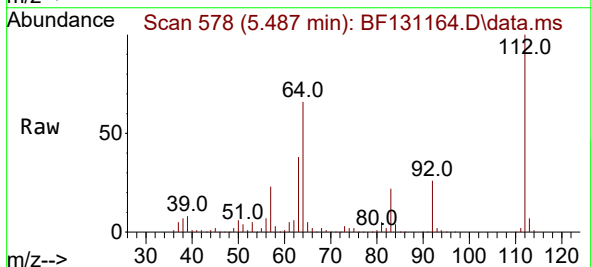
Instrument :
BNA_F
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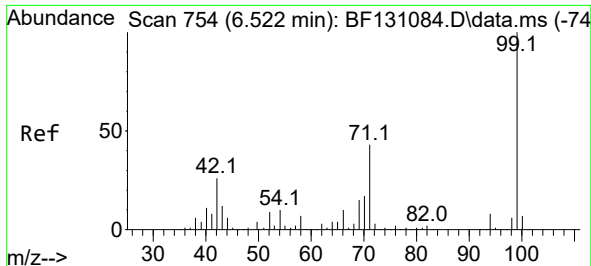
Tgt Ion:152 Resp: 78505
Ion Ratio Lower Upper
152 100
150 154.5 125.5 188.3
115 63.7 52.2 78.2



#5
2-Fluorophenol
Concen: 29.957 ng
RT: 5.487 min Scan# 578
Delta R.T. -0.000 min
Lab File: BF131164.D
Acq: 11 Nov 2022 20:57

Tgt Ion:112 Resp: 138291
Ion Ratio Lower Upper
112 100
64 66.1 55.1 82.7
63 37.7 32.4 48.6

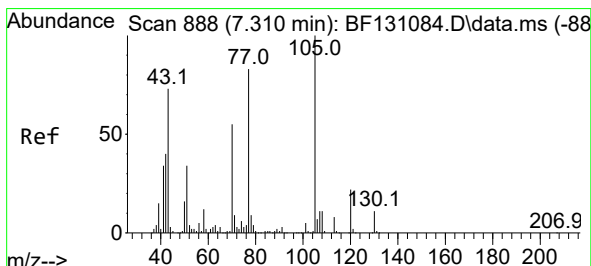
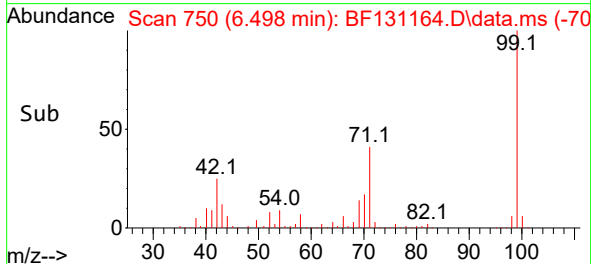
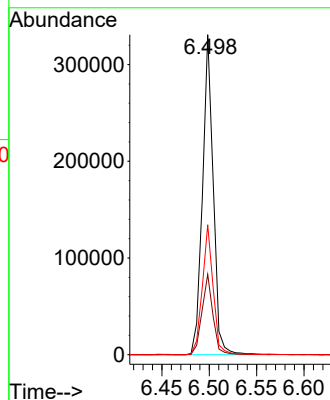
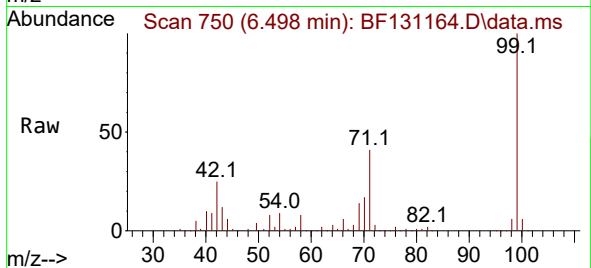




#7
Phenol-d6
Concen: 43.499 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF131164.D
Acq: 11 Nov 2022 20:57

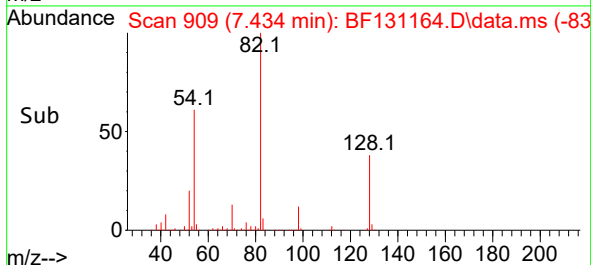
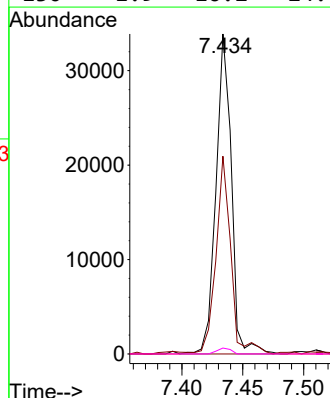
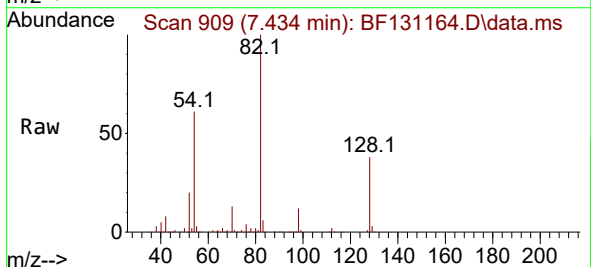
Instrument :
BNA_F
ClientSampleId :
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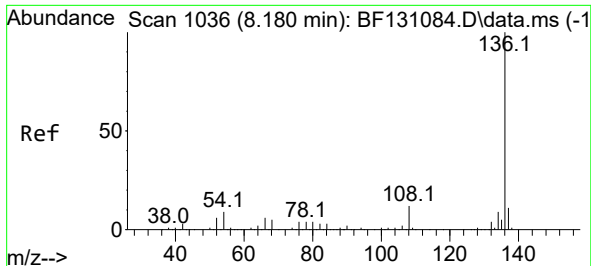
Tgt Ion: 99 Resp: 262524
Ion Ratio Lower Upper
99 100
42 25.1 20.8 31.2
71 40.6 34.2 51.4



#19
n-Nitroso-di-n-propylamine
Concen: 7.518 ng
RT: 7.434 min Scan# 909
Delta R.T. 0.141 min
Lab File: BF131164.D
Acq: 11 Nov 2022 20:57

Tgt Ion: 70 Resp: 29791
Ion Ratio Lower Upper
70 100
42 61.8 58.3 87.5
101 0.0 7.4 11.2#
130 1.9 16.2 24.4#



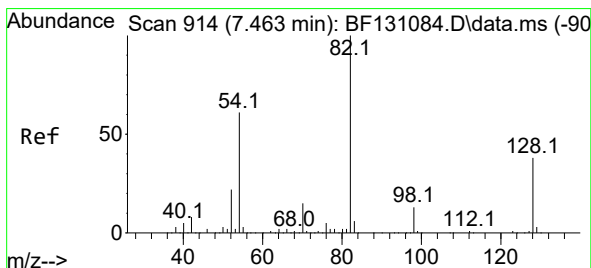
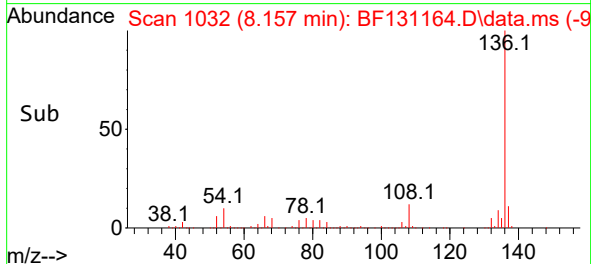
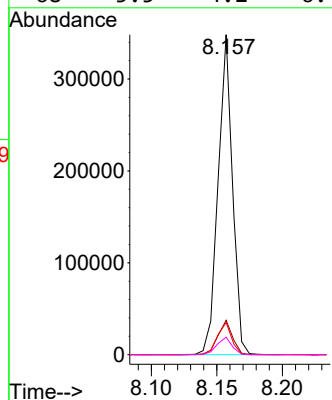
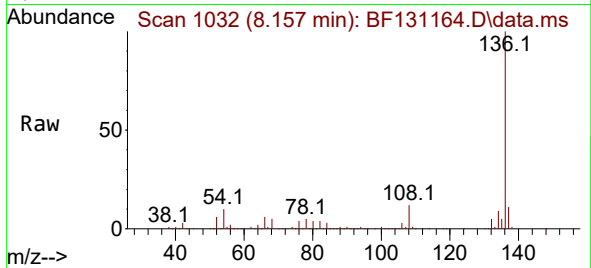


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1036
Delta R.T. -0.000 min
Lab File: BF131164.D
Acq: 11 Nov 2022 20:57

Instrument :
BNA_F
ClientSampleId :
RM-1

Tgt Ion:136 Resp: 265894

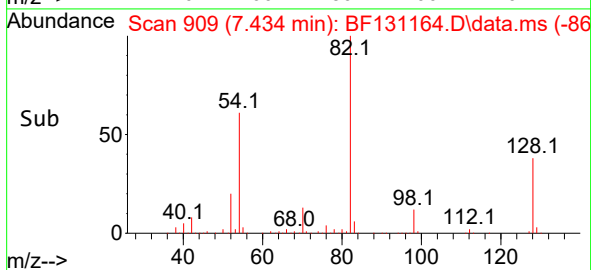
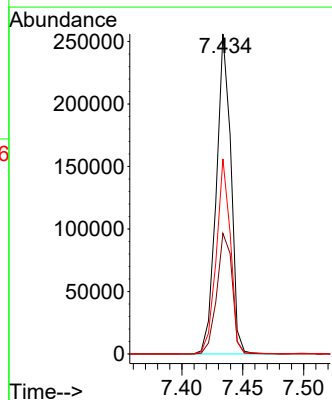
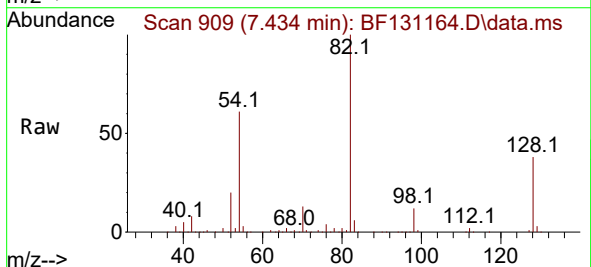
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	12.8
54	10.0	7.2	10.8
68	5.5	4.2	6.4

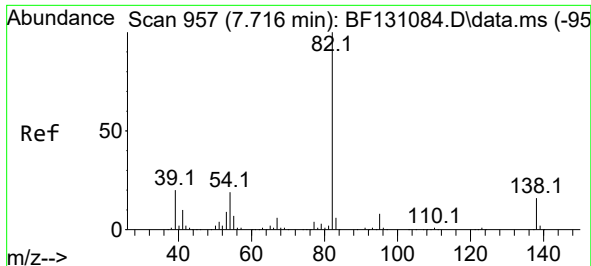


#23
Nitrobenzene-d5
Concen: 36.215 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF131164.D
Acq: 11 Nov 2022 20:57

Tgt Ion: 82 Resp: 213419

Ion	Ratio	Lower	Upper
82	100		
128	37.7	30.5	45.7
54	60.9	49.1	73.7

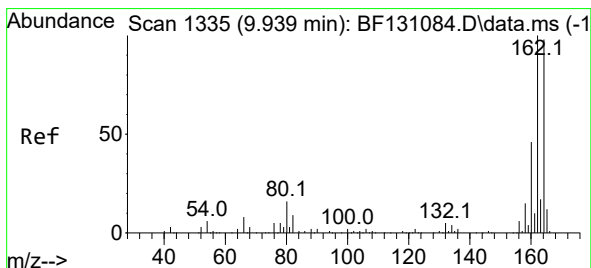
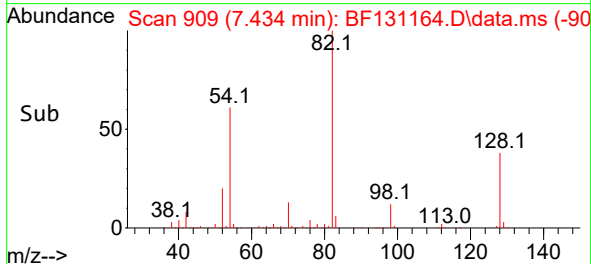
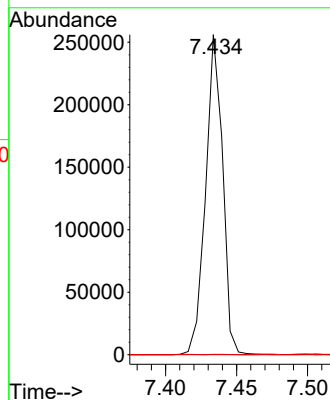
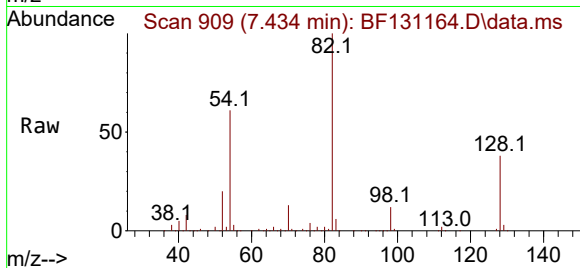




#25
Isophorone
Concen: 23.319 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.265 min
Lab File: BF131164.D
Acq: 11 Nov 2022 20:57

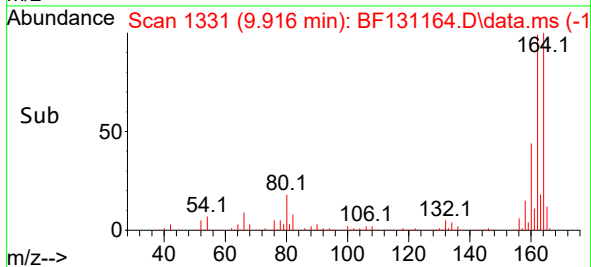
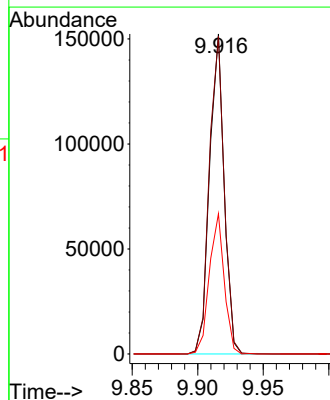
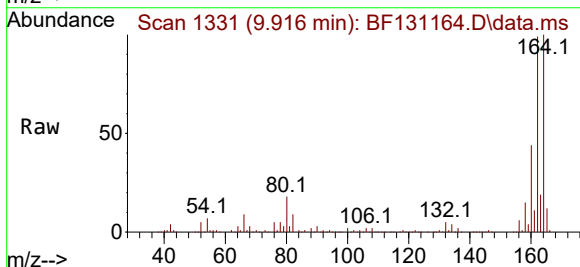
Instrument :
BNA_F
ClientSampleId :
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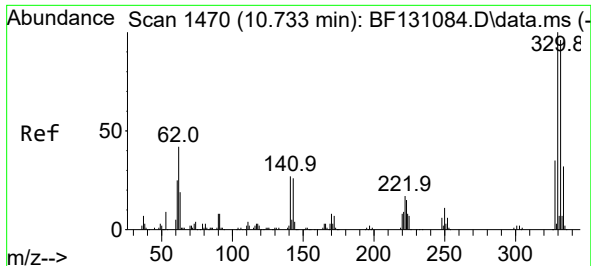
Tgt Ion: 82 Resp: 212483
Ion Ratio Lower Upper
82 100
95 0.1 6.2 9.2#
138 0.0 12.5 18.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.006 min
Lab File: BF131164.D
Acq: 11 Nov 2022 20:57

Tgt Ion: 164 Resp: 118050
Ion Ratio Lower Upper
164 100
162 99.4 81.7 122.5
160 43.8 37.4 56.2

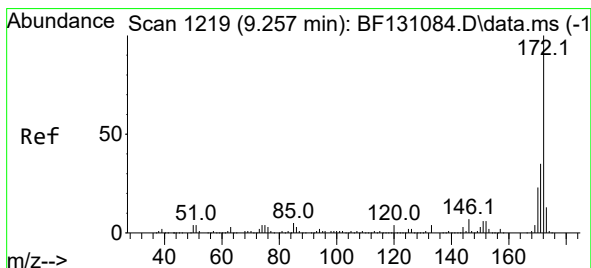
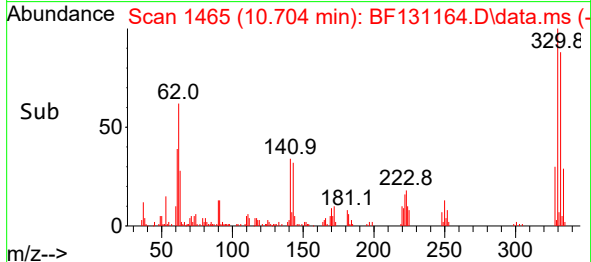
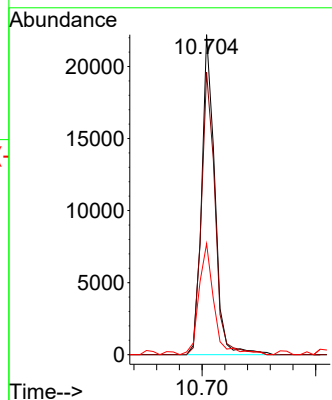
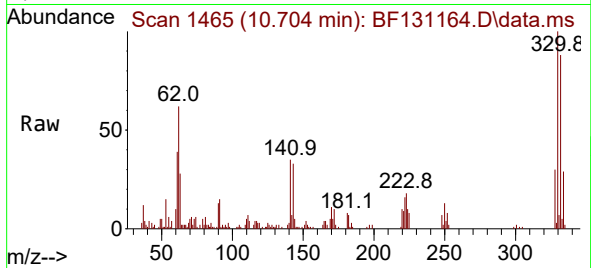




#42
2,4,6-Tribromophenol
Concen: 14.617 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF131164.D
Acq: 11 Nov 2022 20:57

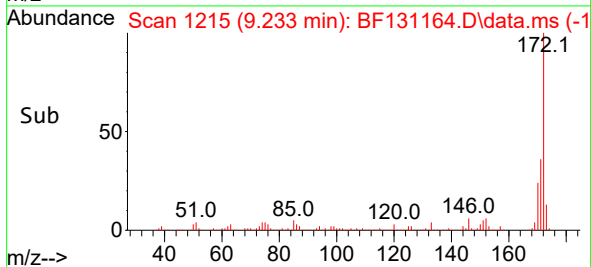
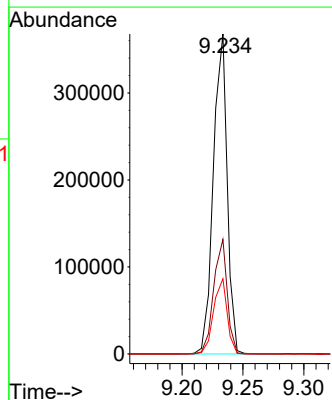
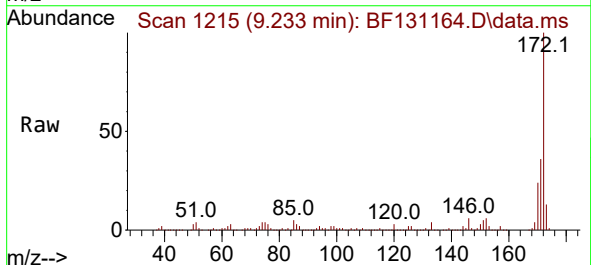
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BNA_F
ClientSampleId :
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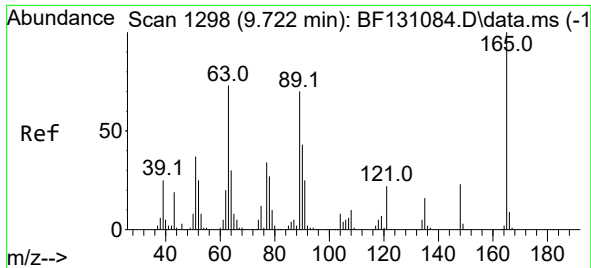
Tgt Ion: 330 Resp: 17833
Ion Ratio Lower Upper
330 100
332 91.9 77.0 115.4
141 40.0 28.5 42.7



#45
2-Fluorobiphenyl
Concen: 34.284 ng
RT: 9.233 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF131164.D
Acq: 11 Nov 2022 20:57

Tgt Ion: 172 Resp: 289923
Ion Ratio Lower Upper
172 100
171 35.8 27.7 41.5
170 23.5 18.8 28.2

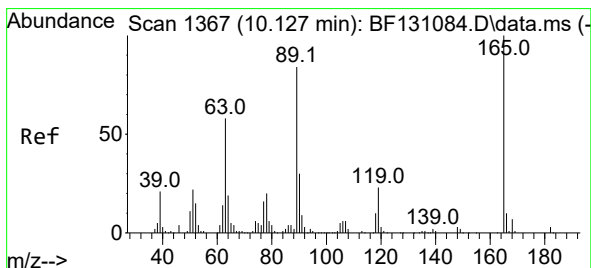
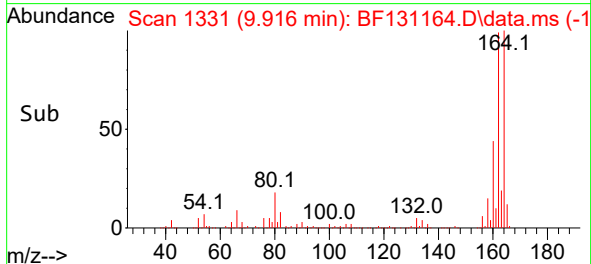
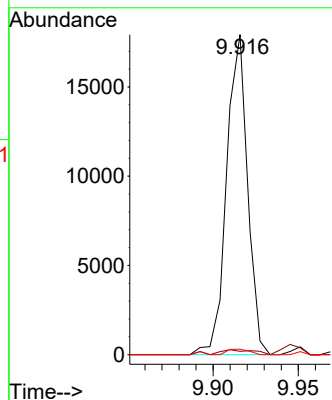
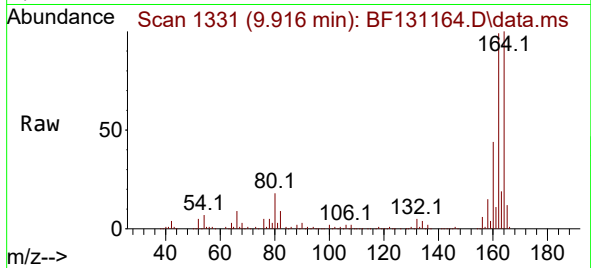




#51
2,6-Dinitrotoluene
Concen: 8.299 ng
RT: 9.916 min Scan# 1331
Delta R.T. 0.212 min
Lab File: BF131164.D
Acq: 11 Nov 2022 20:57

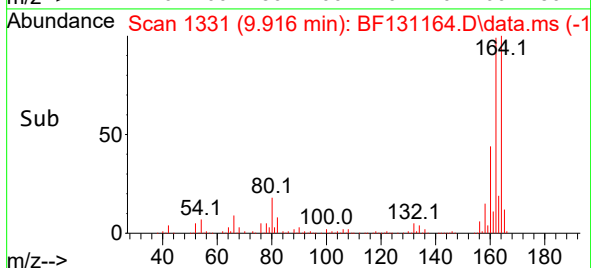
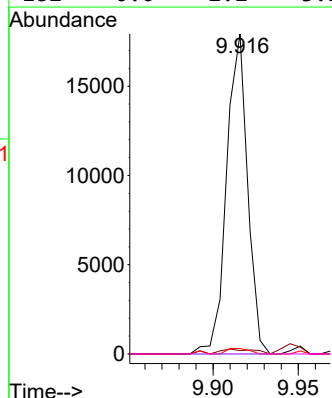
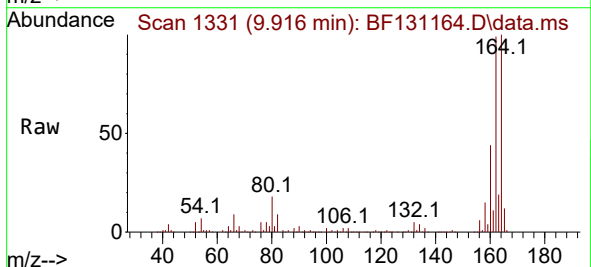
Instrument :
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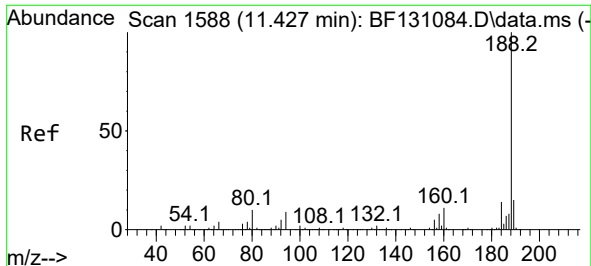
Tgt Ion:165 Resp: 15316
Ion Ratio Lower Upper
165 100
63 1.0 61.4 92.2#
89 1.7 56.0 84.0#



#57
2,4-Dinitrotoluene
Concen: 6.243 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.194 min
Lab File: BF131164.D
Acq: 11 Nov 2022 20:57

Tgt Ion:165 Resp: 15316
Ion Ratio Lower Upper
165 100
63 1.0 46.9 70.3#
89 1.7 66.9 100.3#
182 0.0 2.2 3.2#

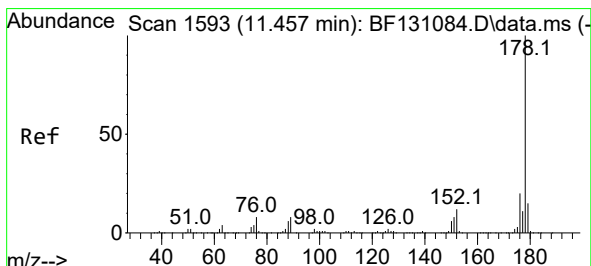
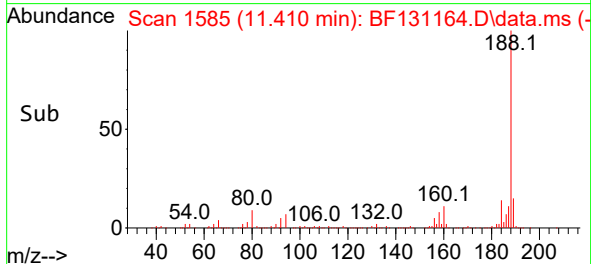
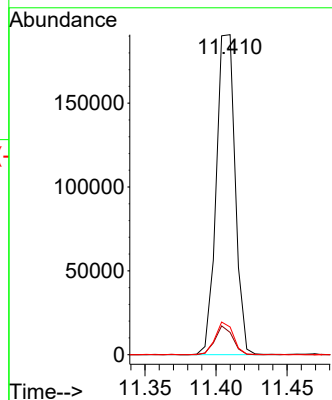
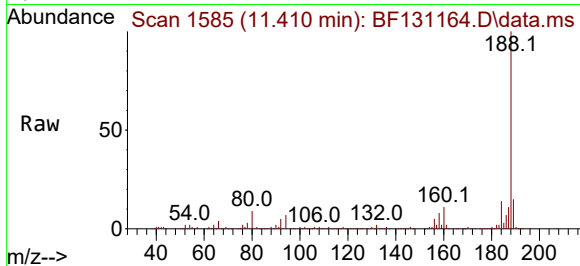




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF131164.D
Acq: 11 Nov 2022 20:57

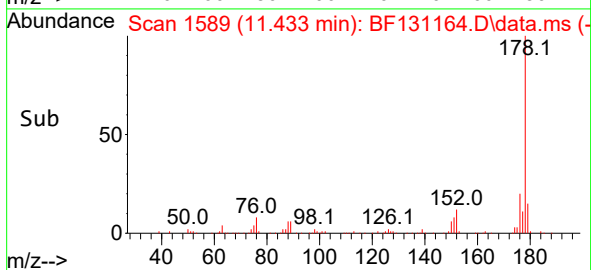
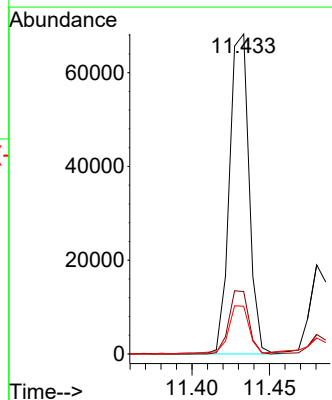
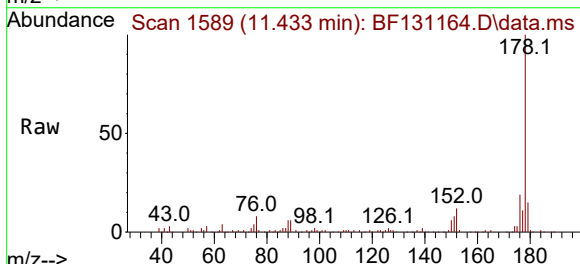
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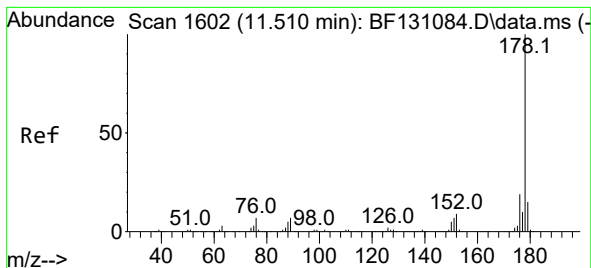
Tgt Ion:188 Resp: 176058
Ion Ratio Lower Upper
188 100
94 7.0 7.0 10.6#
80 8.6 7.9 11.9



#71
Phenanthrene
Concen: 6.210 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.000 min
Lab File: BF131164.D
Acq: 11 Nov 2022 20:57

Tgt Ion:178 Resp: 60131
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.8
179 14.9 12.2 18.2





#72

Anthracene

Concen: 6.398 ng

RT: 11.433 min Scan# 1

Delta R.T. -0.053 min

Lab File: BF131164.D

Acq: 11 Nov 2022 20:57

Instrument :

BNA_F

ClientSampleId :

RM-1

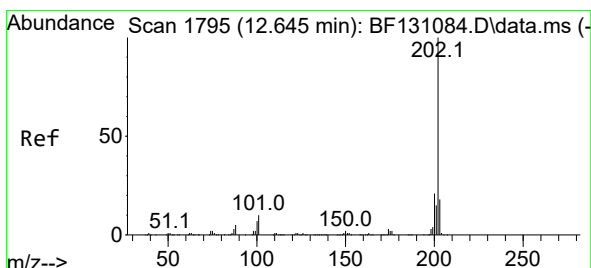
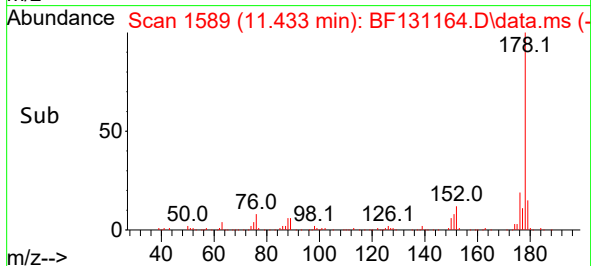
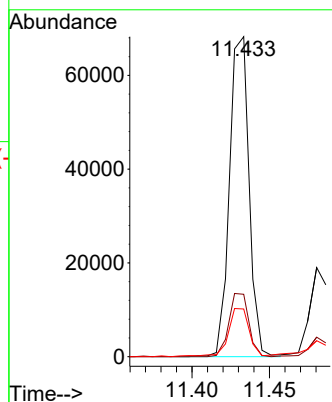
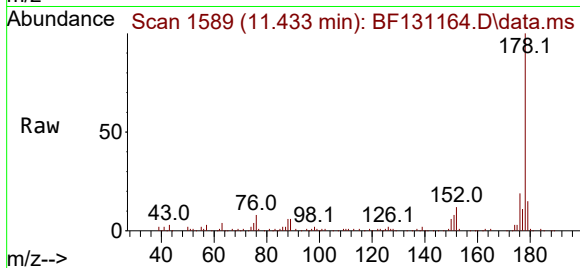
Tgt Ion:178 Resp: 60131

Ion Ratio Lower Upper

178 100

176 19.5 15.0 22.6

179 14.9 11.8 17.8



#75

Fluoranthene

Concen: 9.090 ng

RT: 12.622 min Scan# 1791

Delta R.T. -0.006 min

Lab File: BF131164.D

Acq: 11 Nov 2022 20:57

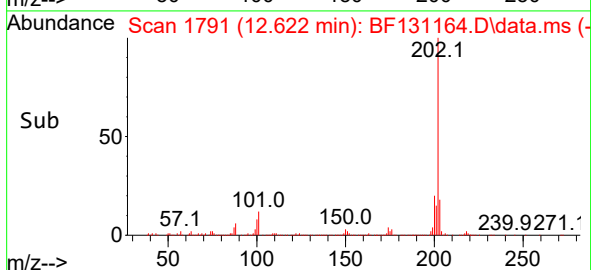
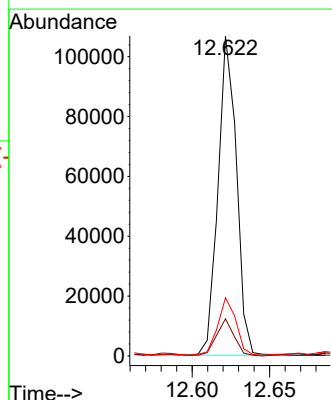
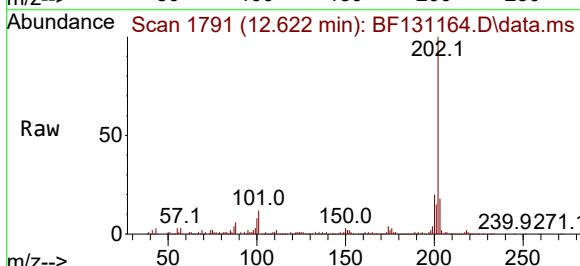
Tgt Ion:202 Resp: 88106

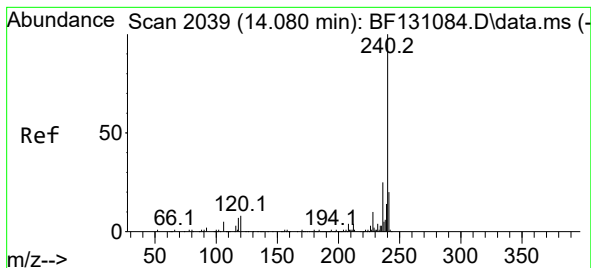
Ion Ratio Lower Upper

202 100

101 11.6 0.0 30.0

203 18.2 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2035

Delta R.T. -0.000 min

Lab File: BF131164.D

Acq: 11 Nov 2022 20:57

Instrument :

BNA_F

ClientSampleId :

RM-1

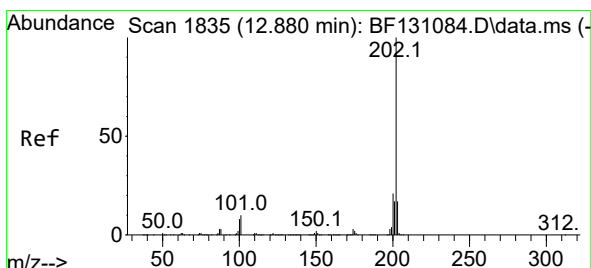
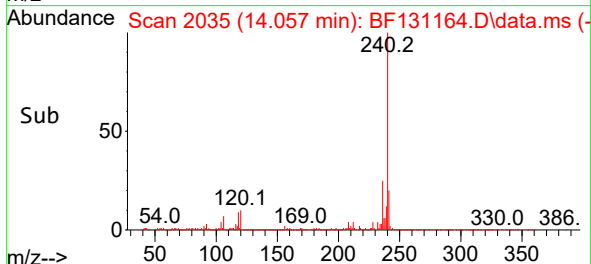
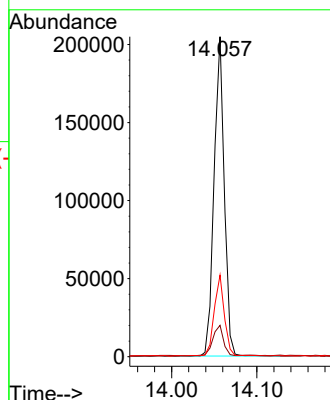
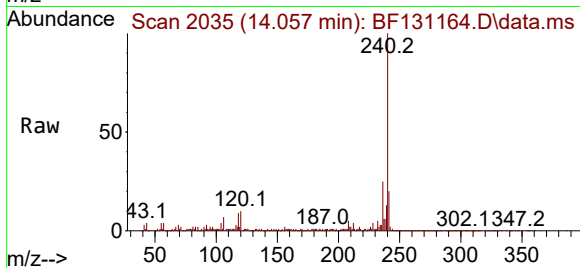
Tgt Ion:240 Resp: 170575

Ion Ratio Lower Upper

240 100

120 9.8 6.5 9.7#

236 25.5 19.7 29.5



#78

Pyrene

Concen: 5.246 ng

RT: 12.857 min Scan# 1831

Delta R.T. -0.000 min

Lab File: BF131164.D

Acq: 11 Nov 2022 20:57

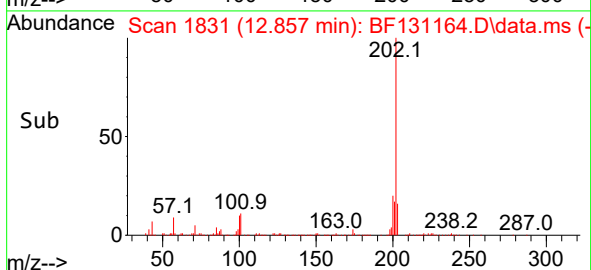
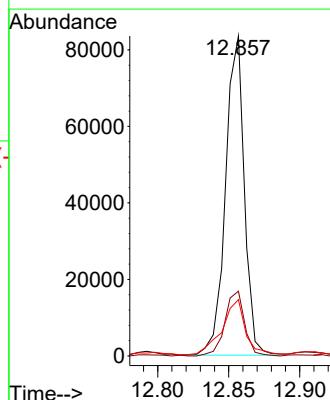
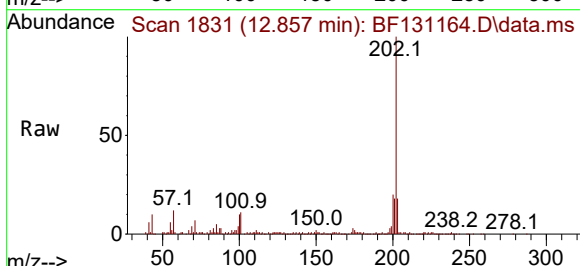
Tgt Ion:202 Resp: 76773

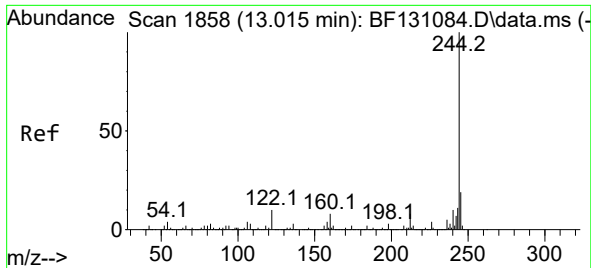
Ion Ratio Lower Upper

202 100

200 20.3 16.8 25.2

203 17.6 13.6 20.4

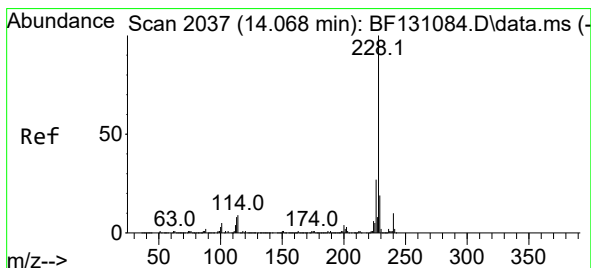
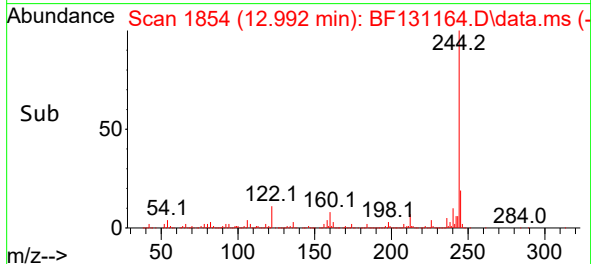
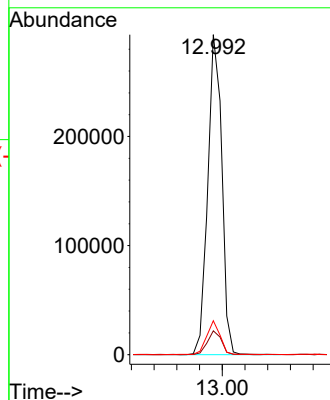
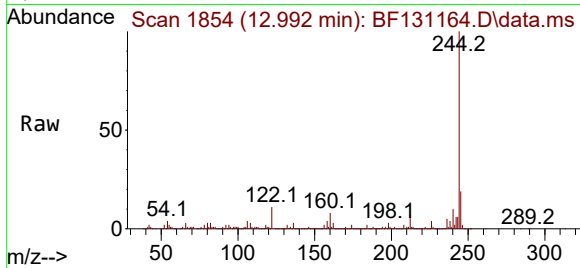




#79
 Terphenyl-d14
 Concen: 25.786 ng
 RT: 12.992 min Scan# 1854
 Delta R.T. -0.006 min
 Lab File: BF131164.D
 Acq: 11 Nov 2022 20:57

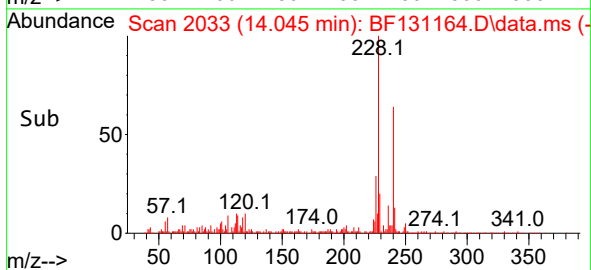
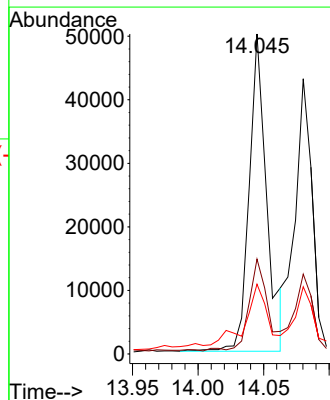
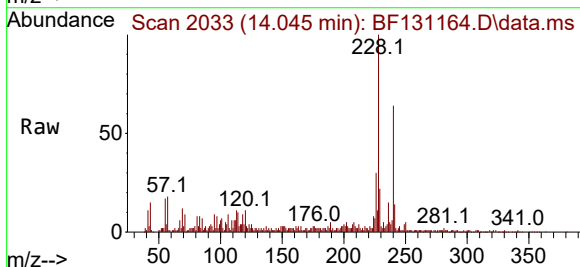
Instrument :
 BNA_F
 ClientSampleId :
 RM-1

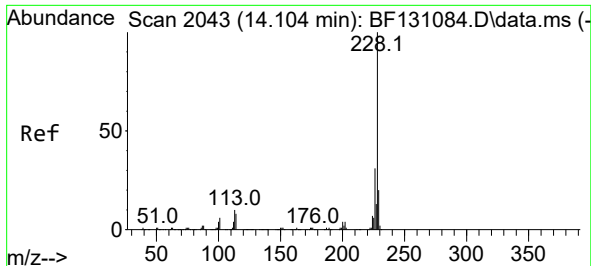
Tgt Ion:244 Resp: 250864
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.2 9.2
 122 10.6 7.8 11.8



#81
 Benzo(a)anthracene
 Concen: 3.808 ng
 RT: 14.045 min Scan# 2033
 Delta R.T. -0.000 min
 Lab File: BF131164.D
 Acq: 11 Nov 2022 20:57

Tgt Ion:228 Resp: 46429
 Ion Ratio Lower Upper
 228 100
 226 29.7 21.8 32.6
 229 21.8 15.4 23.2

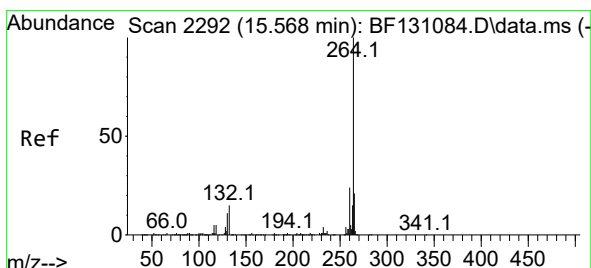
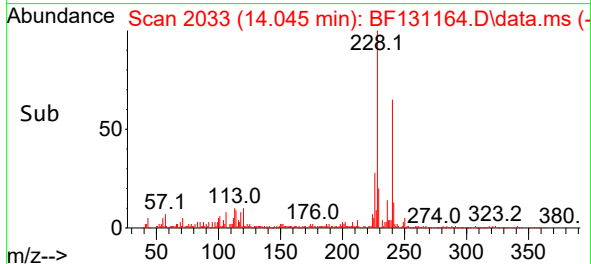
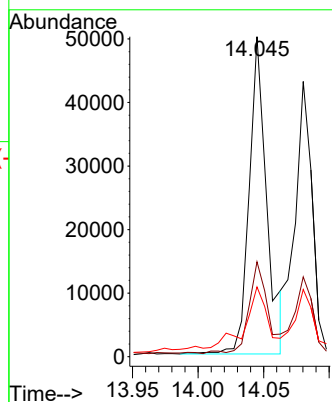
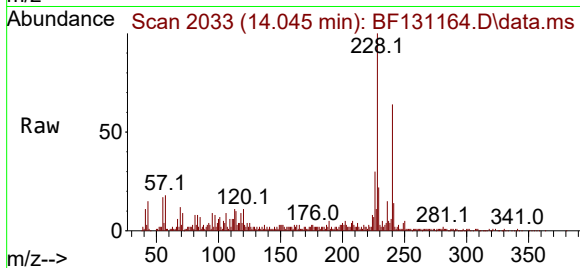




#83
Chrysene
Concen: 4.032 ng
RT: 14.045 min Scan# 2043
Delta R.T. -0.041 min
Lab File: BF131164.D
Acq: 11 Nov 2022 20:57

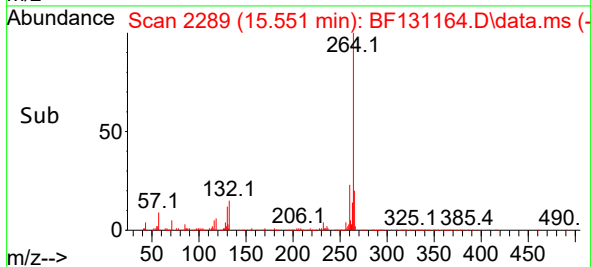
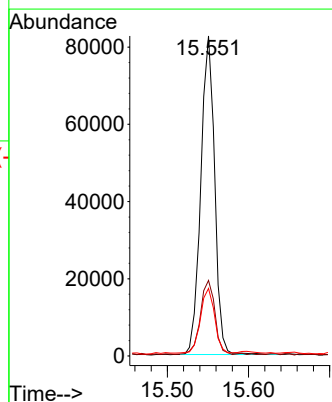
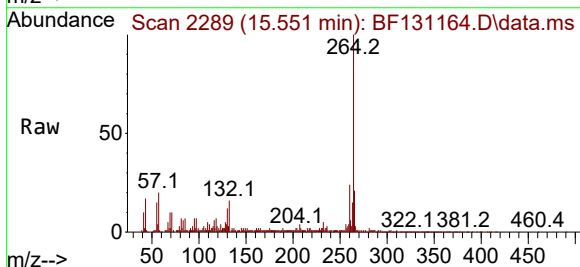
Instrument :
BNA_F
ClientSampleId :
RM-1

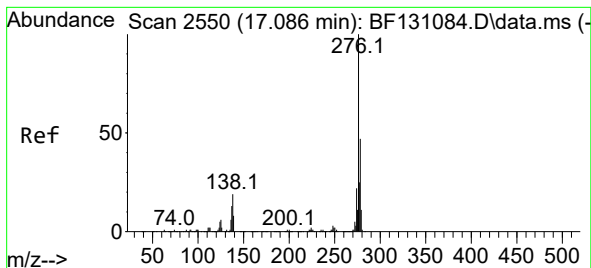
Tgt Ion:228 Resp: 46429
Ion Ratio Lower Upper
228 100
226 29.7 24.4 36.6
229 21.8 15.8 23.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2289
Delta R.T. 0.006 min
Lab File: BF131164.D
Acq: 11 Nov 2022 20:57

Tgt Ion:264 Resp: 98038
Ion Ratio Lower Upper
264 100
260 23.6 19.1 28.7
265 21.1 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.927 ng

RT: 17.139 min Scan# 2114

Delta R.T. 0.082 min

Lab File: BF131164.D

Acq: 11 Nov 2022 20:57

Instrument :

BNA_F

ClientSampleId :

RM-1

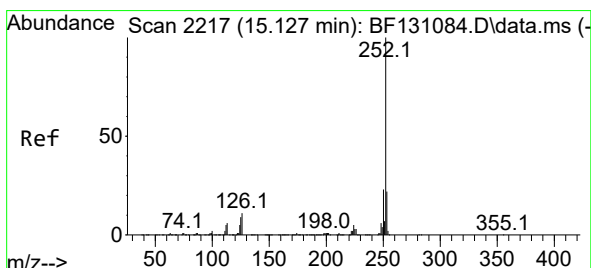
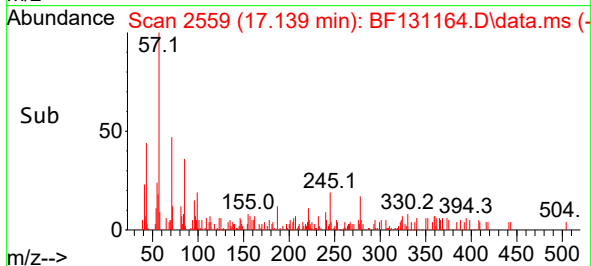
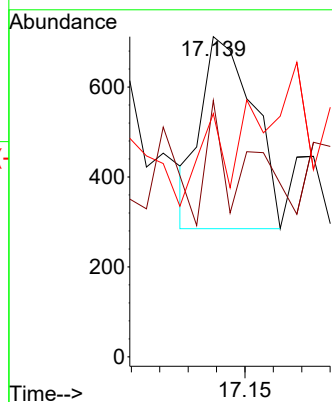
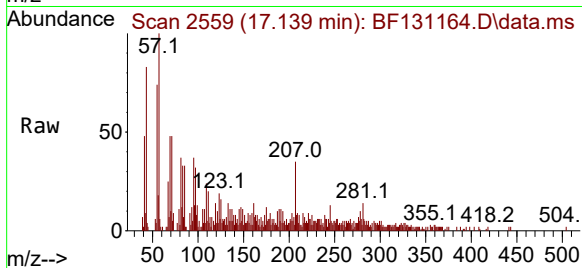
Tgt Ion:276 Resp: 545

Ion Ratio Lower Upper

276 100

138 19.8 16.9 25.3

277 22.8 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 5.810 ng

RT: 15.110 min Scan# 2214

Delta R.T. 0.006 min

Lab File: BF131164.D

Acq: 11 Nov 2022 20:57

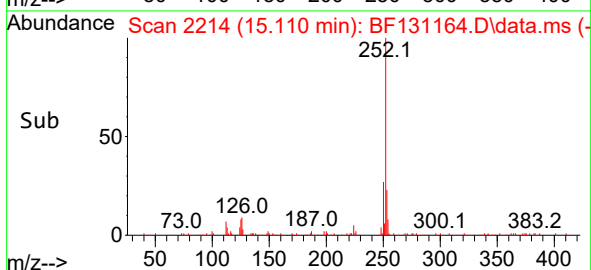
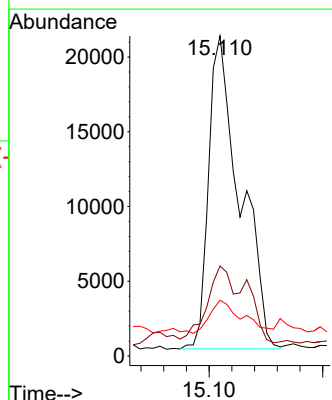
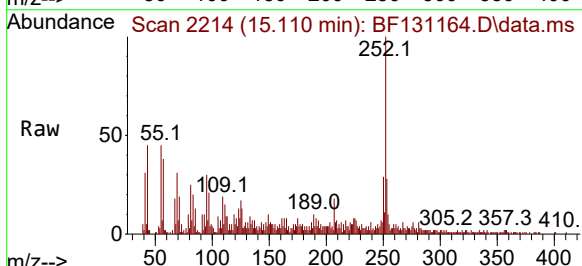
Tgt Ion:252 Resp: 40269

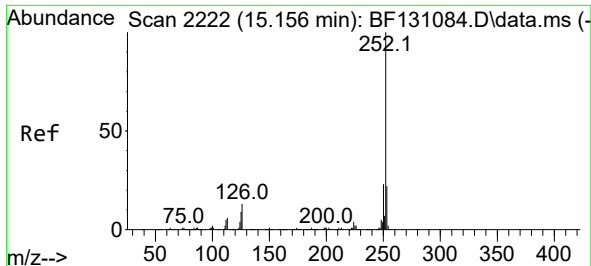
Ion Ratio Lower Upper

252 100

253 28.1 17.3 25.9#

125 17.4 7.2 10.8#

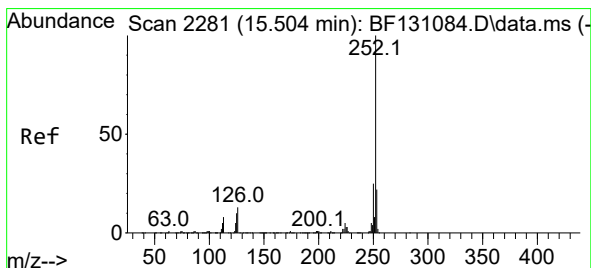
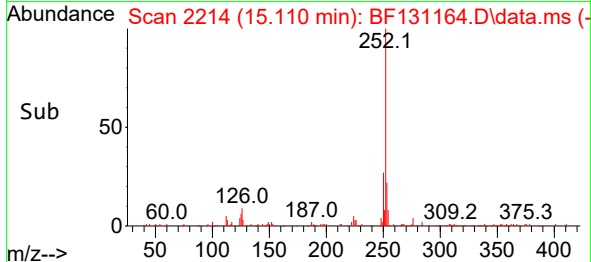
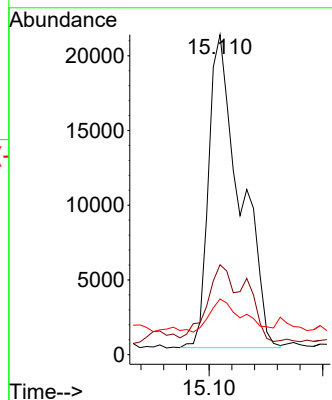
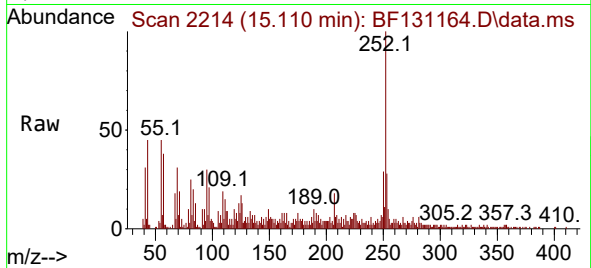




#89
Benzo(k)fluoranthene
Concen: 6.044 ng
RT: 15.110 min Scan# 2110
Delta R.T. -0.030 min
Lab File: BF131164.D
Acq: 11 Nov 2022 20:57

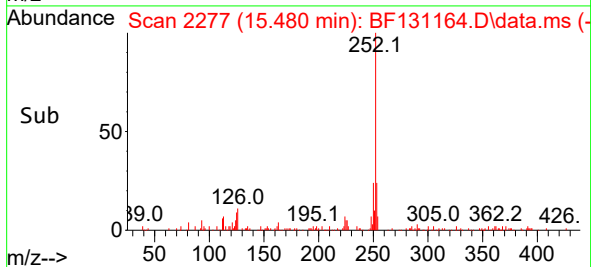
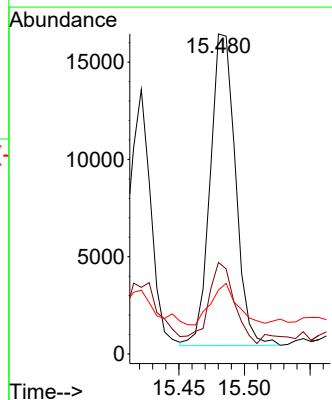
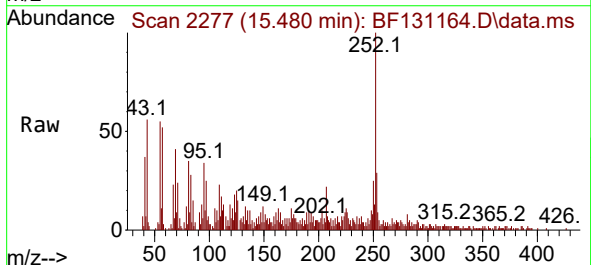
Instrument :
BNA_F
ClientSampleId :
RM-1

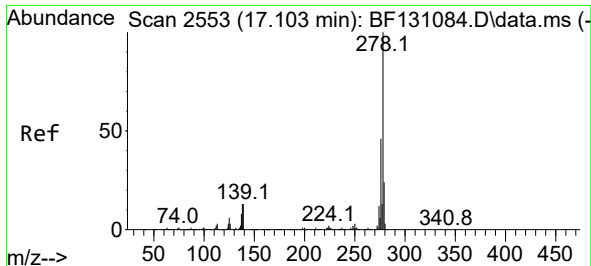
Tgt Ion:252 Resp: 40269
Ion Ratio Lower Upper
252 100
253 28.1 17.6 26.4#
125 17.4 7.5 11.3#



#90
Benzo(a)pyrene
Concen: 3.866 ng
RT: 15.480 min Scan# 2277
Delta R.T. -0.000 min
Lab File: BF131164.D
Acq: 11 Nov 2022 20:57

Tgt Ion:252 Resp: 21484
Ion Ratio Lower Upper
252 100
253 28.6 17.8 26.8#
125 20.0 8.1 12.1#

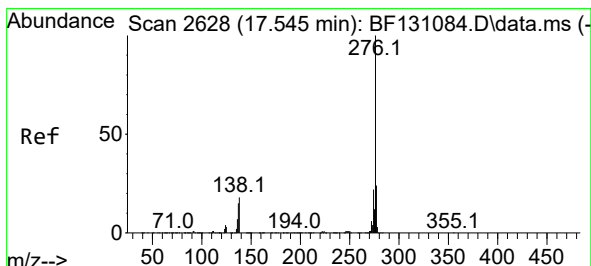
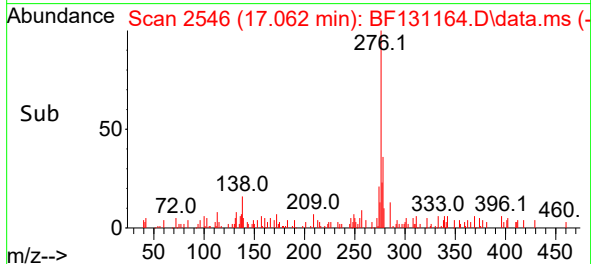
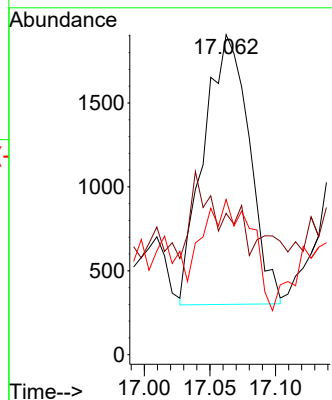
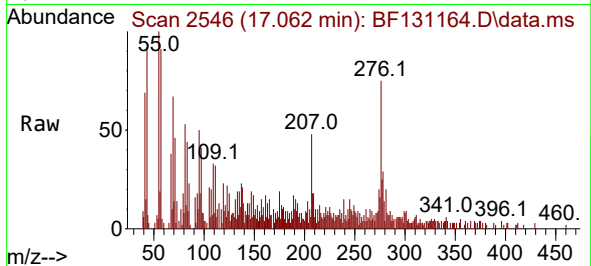




#91
 Dibenzo(a,h)anthracene
 Concen: 4.390 ng
 RT: 17.062 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF131164.D
 Acq: 11 Nov 2022 20:57

Instrument :
 BNA_F
 ClientSampleId :
 RM-1

Tgt Ion:278 Resp: 3892
 Ion Ratio Lower Upper
 278 100
 139 44.2 10.8 16.2#
 279 48.5 19.2 28.8#



#92
 Benzo(g,h,i)perylene
 Concen: 6.107 ng
 RT: 17.509 min Scan# 2622
 Delta R.T. -0.006 min
 Lab File: BF131164.D
 Acq: 11 Nov 2022 20:57

Tgt Ion:276 Resp: 13203
 Ion Ratio Lower Upper
 276 100
 277 26.8 19.0 28.4
 138 26.4 14.6 21.8#

