

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110422\
 Data File : BF131010.D
 Acq On : 05 Nov 2022 01:46
 Operator : CG\JU
 Sample : N5373-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-C(0-4)

Quant Time: Nov 05 03:05:06 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 04 06:20:24 2022
 Response via : Initial Calibration

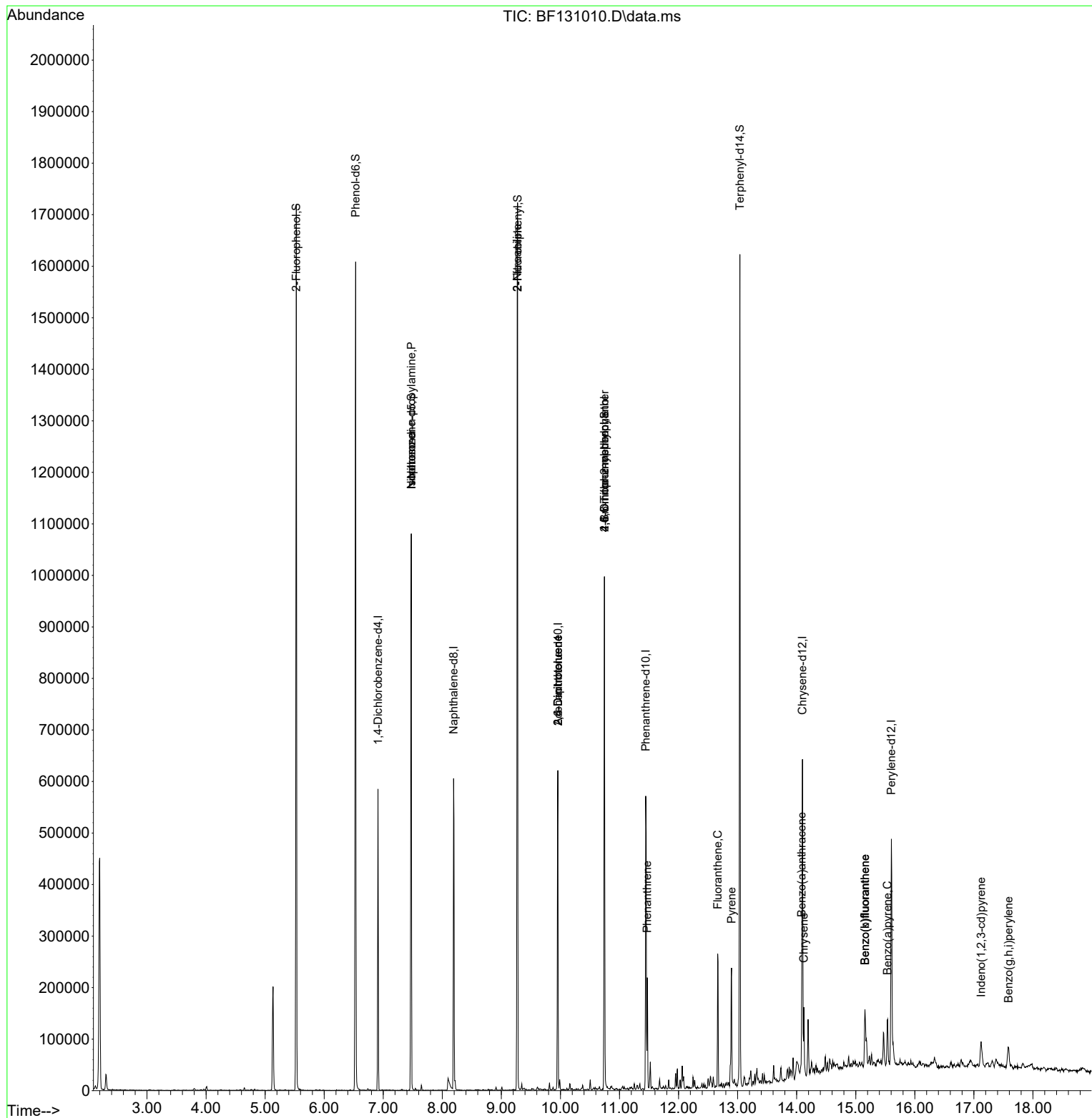
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.910	152	70551	20.000	ng	0.00
21) Naphthalene-d8	8.192	136	255008	20.000	ng	-0.01
39) Acenaphthene-d10	9.957	164	119128	20.000	ng	0.00
64) Phenanthrene-d10	11.445	188	198816	20.000	ng	-0.01
76) Chrysene-d12	14.098	240	179382	20.000	ng	0.00
86) Perylene-d12	15.604	264	197207	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	389301	95.661	ng	0.00
7) Phenol-d6	6.534	99	465991	88.115	ng	0.00
23) Nitrobenzene-d5	7.475	82	313172	74.052	ng	-0.01
42) 2,4,6-Tribromophenol	10.745	330	102091	101.804	ng	-0.01
45) 2-Fluorobiphenyl	9.275	172	535023	67.901	ng	0.00
79) Terphenyl-d14	13.039	244	515087	52.618	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.475	70	44081	12.251	ng	# 74
25) Isophorone	7.475	82	313167	35.910	ng	# 66
48) 2-Nitroaniline	9.269	65	1049	4.585	ng	# 1
51) 2,6-Dinitrotoluene	9.957	165	15671	12.278	ng	# 15
57) 2,4-Dinitrotoluene	9.957	165	15671	11.106	ng	# 21
65) 4,6-Dinitro-2-methylph...	10.745	198	219	8.148	ng	# 1
67) 4-Bromophenyl-phenylether	10.745	248	6620	3.311	ng	# 1
71) Phenanthrene	11.469	178	72801	7.095	ng	99
75) Fluoranthene	12.663	202	100973	9.261	ng	99
78) Pyrene	12.898	202	94615	6.252	ng	98
81) Benzo(a)anthracene	14.086	228	53076	4.463	ng	98
83) Chrysene	14.121	228	45310	3.950	ng	97
87) Indeno(1,2,3-cd)pyrene	17.121	276	34469	2.632	ng	97
88) Benzo(b)fluoranthene	15.157	252	78117	6.128	ng	# 96
89) Benzo(k)fluoranthene	15.157	252	78117	6.289	ng	97
90) Benzo(a)pyrene	15.539	252	42845	4.181	ng	95
92) Benzo(g,h,i)perylene	17.586	276	32877	3.019	ng	96

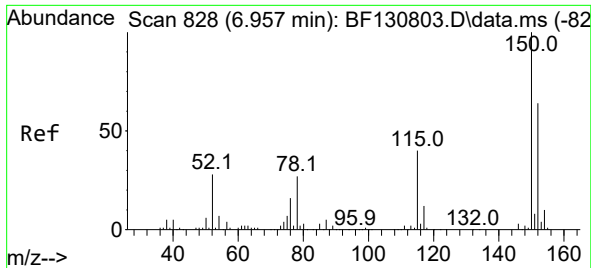
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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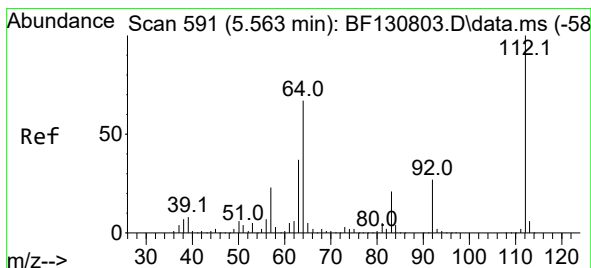
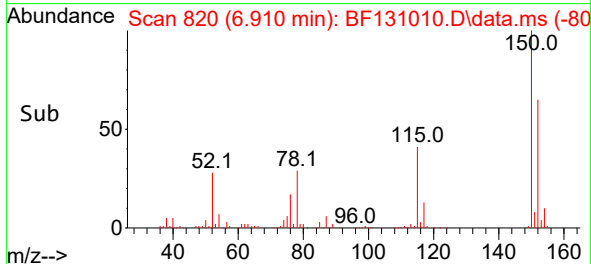
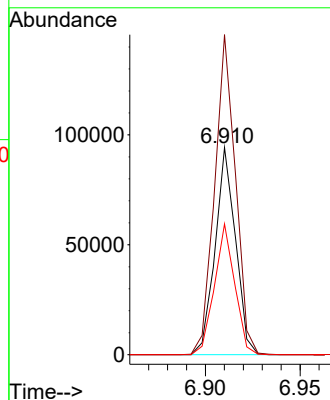
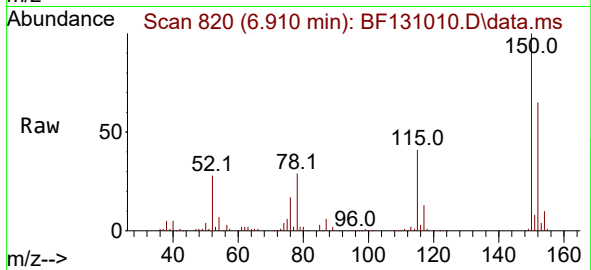




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.910 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF131010.D
Acq: 05 Nov 2022 01:46

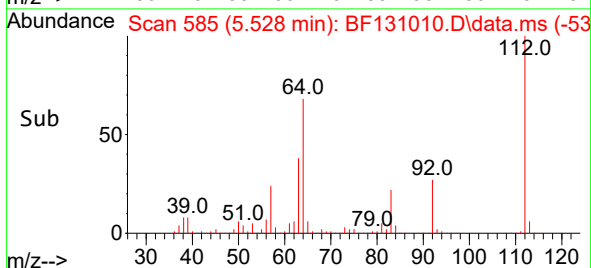
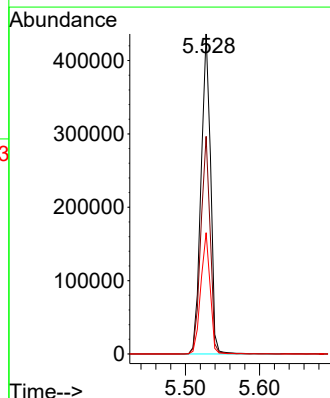
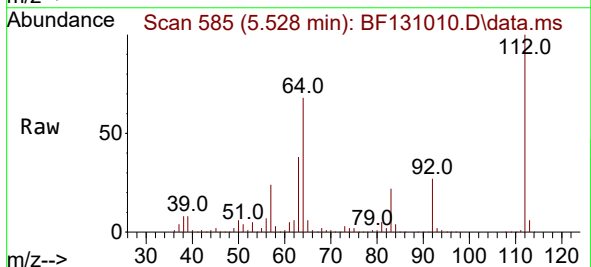
Instrument :
BNA_F
ClientSampleId :
WC-C(0-4)

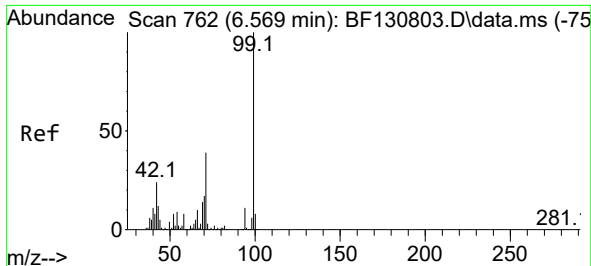
Tgt Ion:152 Resp: 70551
Ion Ratio Lower Upper
152 100
150 154.5 124.1 186.1
115 63.1 50.1 75.1



#5
2-Fluorophenol
Concen: 95.661 ng
RT: 5.528 min Scan# 585
Delta R.T. -0.000 min
Lab File: BF131010.D
Acq: 05 Nov 2022 01:46

Tgt Ion:112 Resp: 389301
Ion Ratio Lower Upper
112 100
64 68.0 53.9 80.9
63 37.9 29.4 44.2

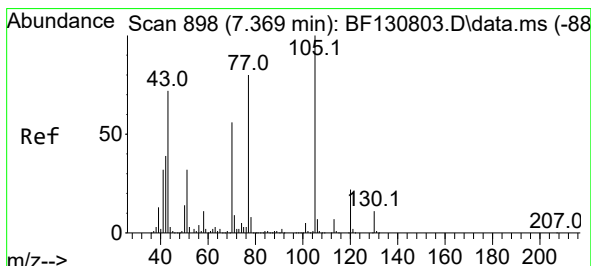
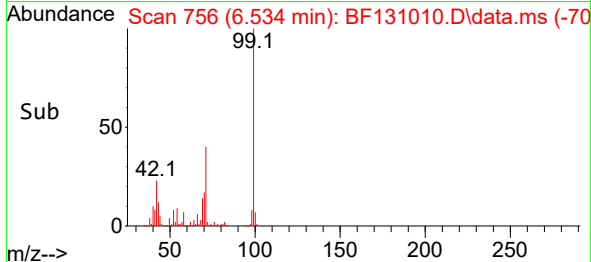
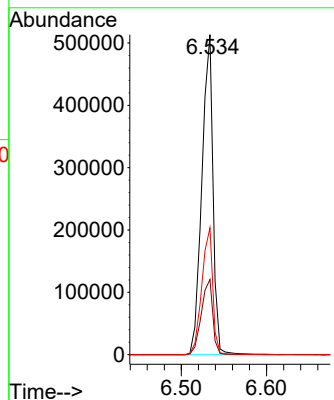
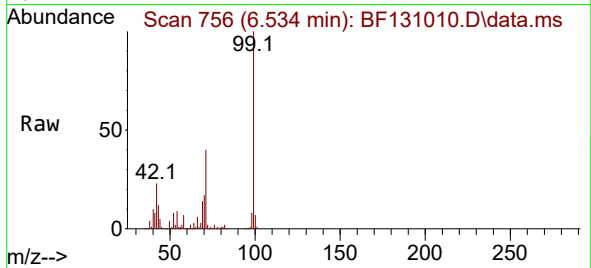




#7
Phenol-d6
Concen: 88.115 ng
RT: 6.534 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF131010.D
Acq: 05 Nov 2022 01:46

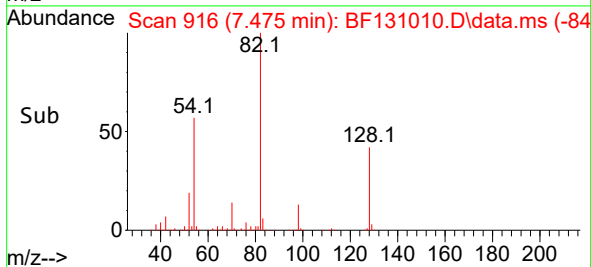
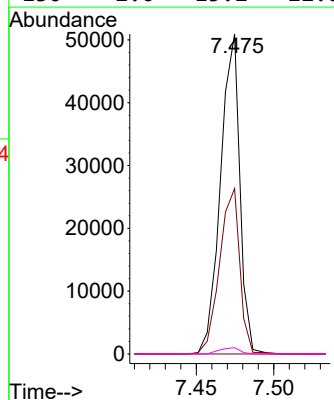
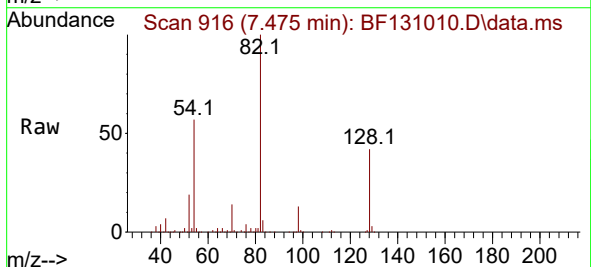
Instrument :
BNA_F
ClientSampleId :
WC-C(0-4)

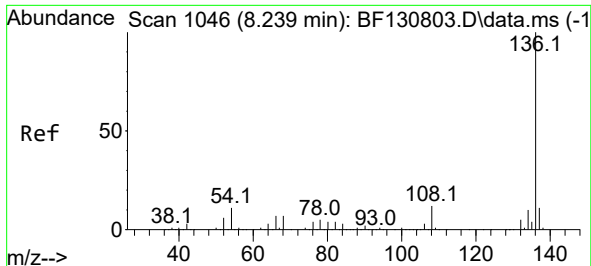
Tgt Ion: 99 Resp: 465991
Ion Ratio Lower Upper
99 100
42 23.5 18.8 28.2
71 39.6 31.4 47.0



#19
n-Nitroso-di-n-propylamine
Concen: 12.251 ng
RT: 7.475 min Scan# 916
Delta R.T. 0.147 min
Lab File: BF131010.D
Acq: 05 Nov 2022 01:46

Tgt Ion: 70 Resp: 44081
Ion Ratio Lower Upper
70 100
42 51.7 56.1 84.1#
101 0.0 7.3 10.9#
130 2.0 15.2 22.8#

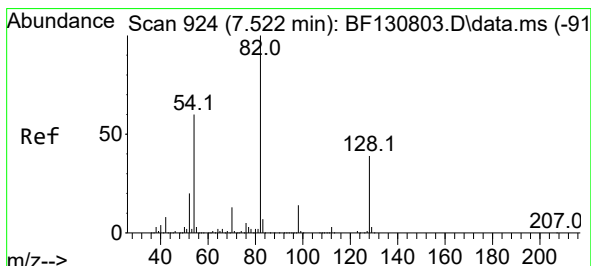
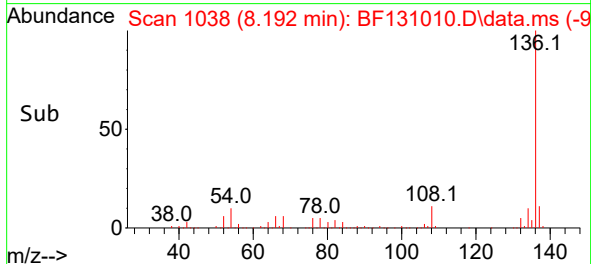
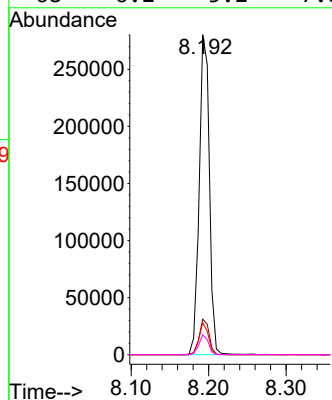
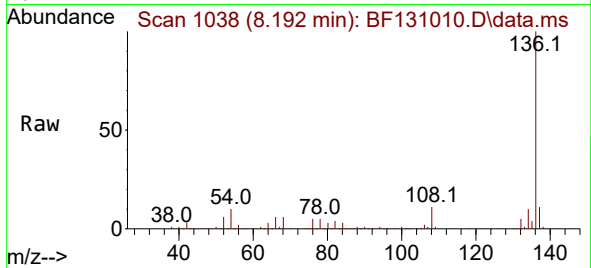




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.192 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF131010.D
Acq: 05 Nov 2022 01:46

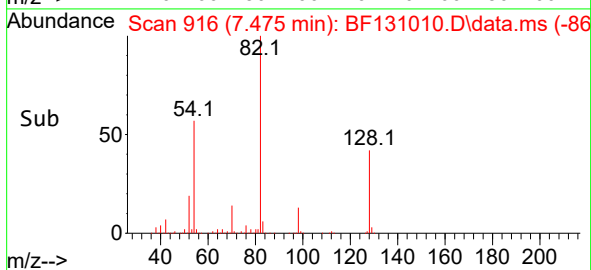
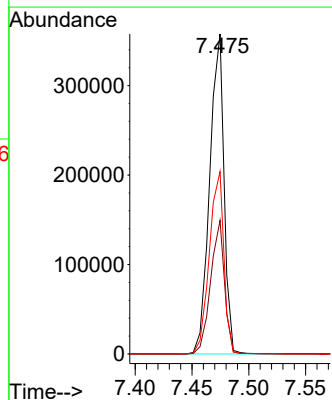
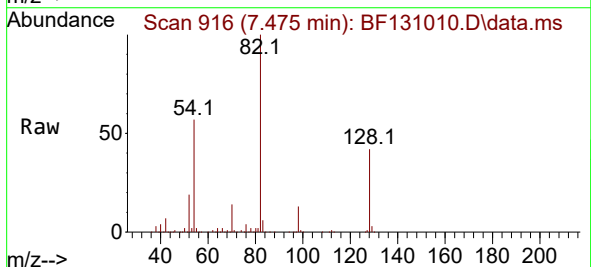
Instrument :
BNA_F
ClientSampleId :
WC-C(0-4)

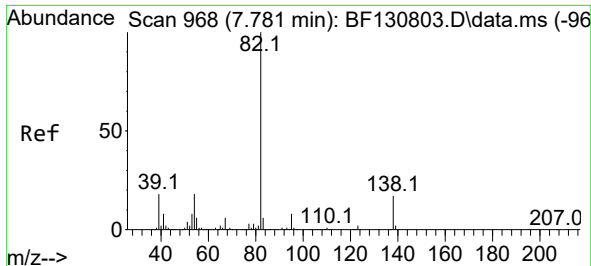
Tgt Ion:136 Resp: 255008
Ion Ratio Lower Upper
136 100
137 11.1 9.2 13.8
54 10.0 8.8 13.2
68 6.2 5.2 7.8



#23
Nitrobenzene-d5
Concen: 74.052 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.012 min
Lab File: BF131010.D
Acq: 05 Nov 2022 01:46

Tgt Ion: 82 Resp: 313172
Ion Ratio Lower Upper
82 100
128 41.8 31.2 46.8
54 57.0 48.0 72.0

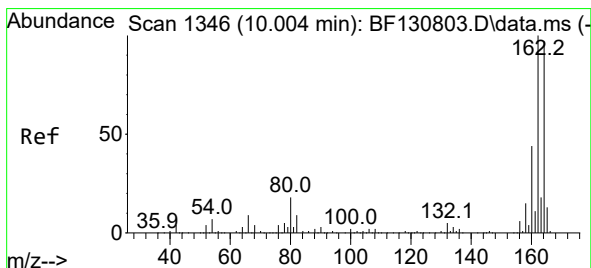
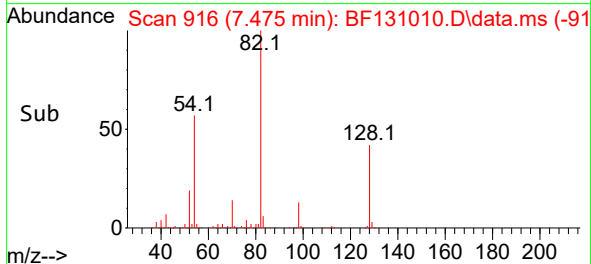
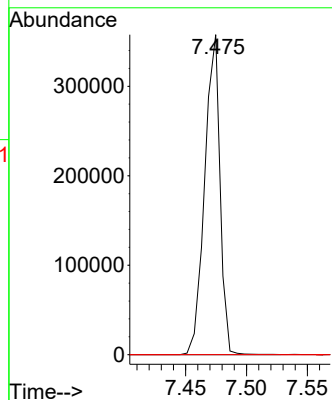
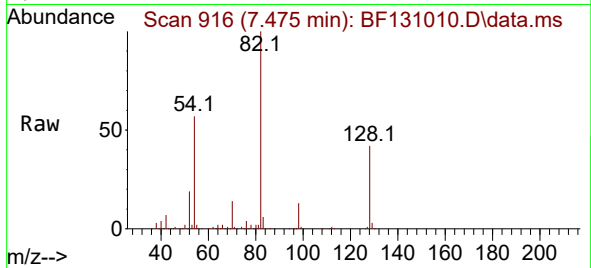




#25
Isophorone
Concen: 35.910 ng
RT: 7.475 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF131010.D
Acq: 05 Nov 2022 01:46

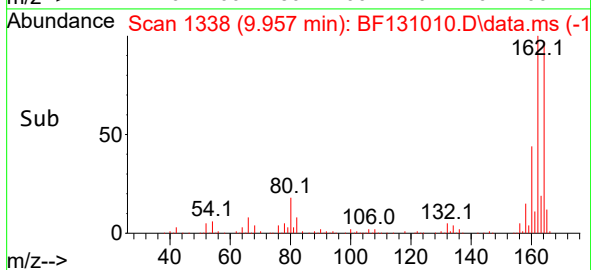
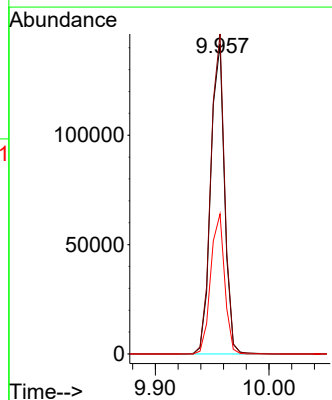
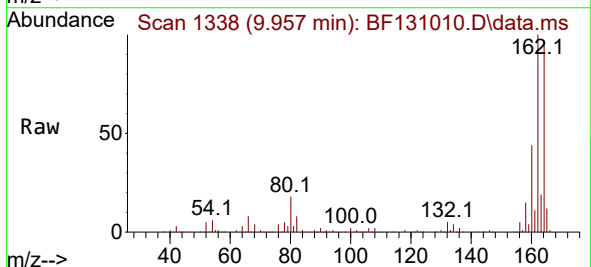
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BNA_F
ClientSampleId :
WC-C(0-4)

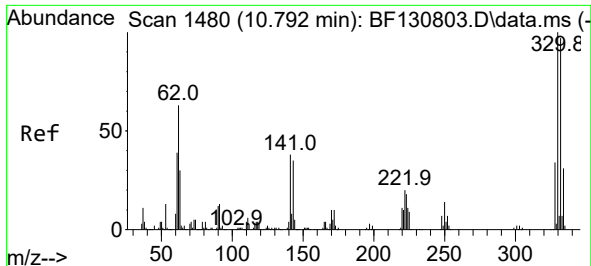
Tgt Ion: 82 Resp: 313167
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.4#
138 0.0 13.8 20.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF131010.D
Acq: 05 Nov 2022 01:46

Tgt Ion:164 Resp: 119128
Ion Ratio Lower Upper
164 100
162 103.3 82.2 123.2
160 45.2 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 101.804 ng

RT: 10.745 min Scan# 1480

Delta R.T. -0.012 min

Lab File: BF131010.D

Acq: 05 Nov 2022 01:46

Instrument :

BNA_F

ClientSampleId :

WC-C(0-4)

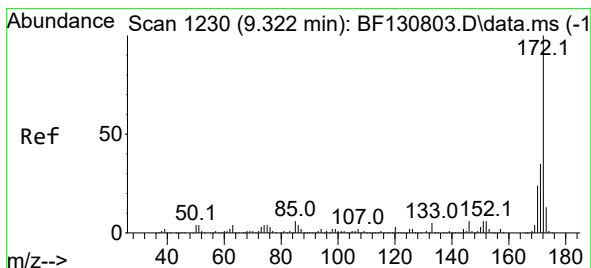
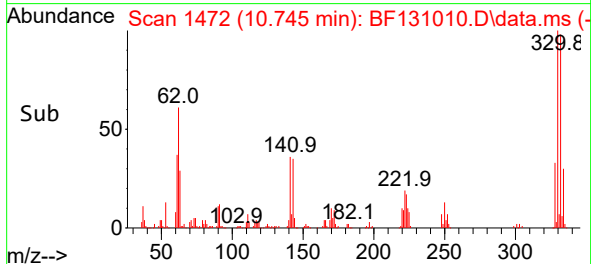
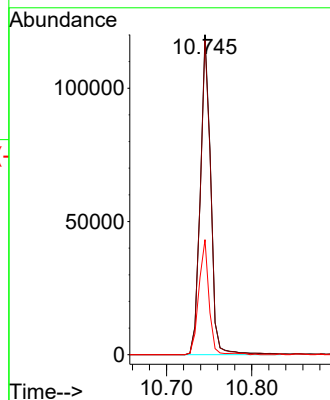
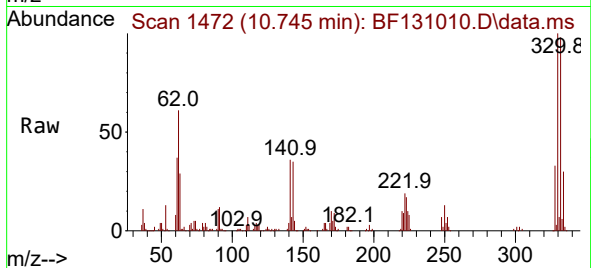
Tgt Ion:330 Resp: 102091

Ion Ratio Lower Upper

330 100

332 97.8 76.2 114.4

141 35.2 31.4 47.0



#45

2-Fluorobiphenyl

Concen: 67.901 ng

RT: 9.275 min Scan# 1222

Delta R.T. -0.006 min

Lab File: BF131010.D

Acq: 05 Nov 2022 01:46

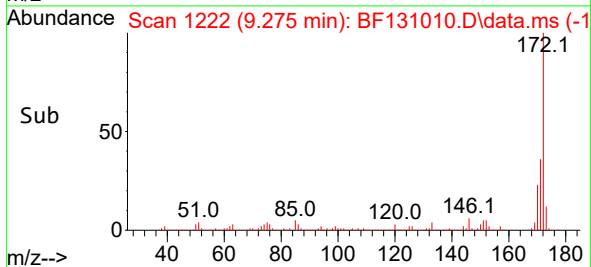
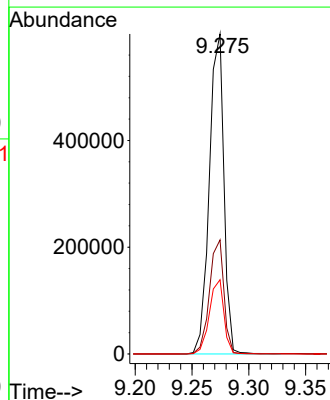
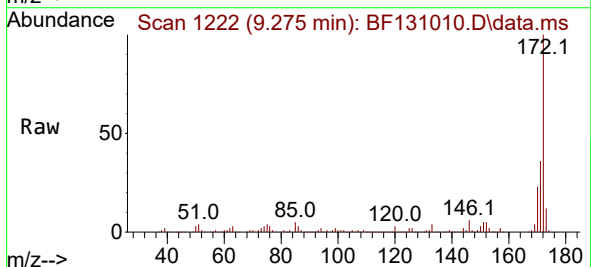
Tgt Ion:172 Resp: 535023

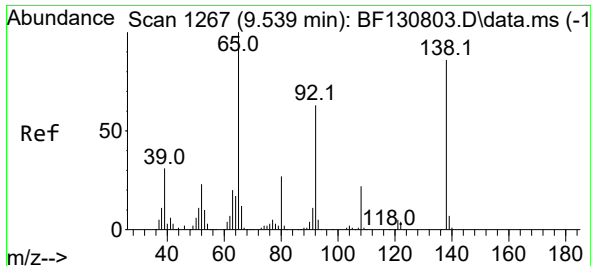
Ion Ratio Lower Upper

172 100

171 35.7 28.1 42.1

170 23.2 19.0 28.4

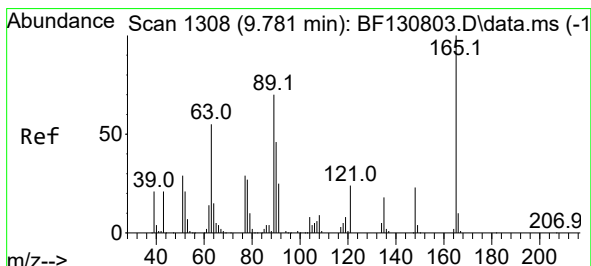
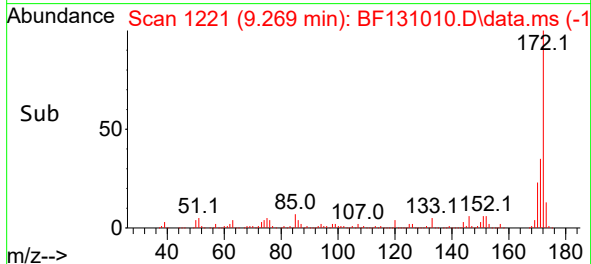
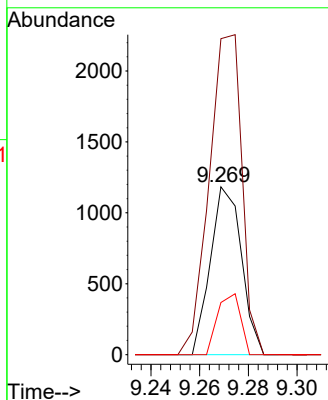
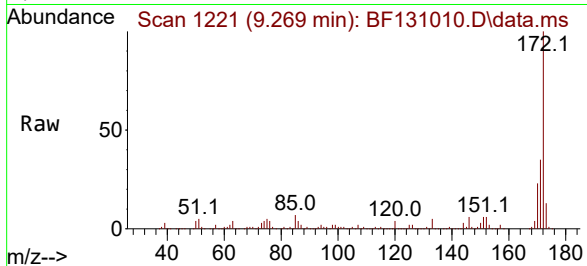




#48
2-Nitroaniline
Concen: 4.585 ng
RT: 9.269 min Scan# 11
Delta R.T. -0.235 min
Lab File: BF131010.D
Acq: 05 Nov 2022 01:46

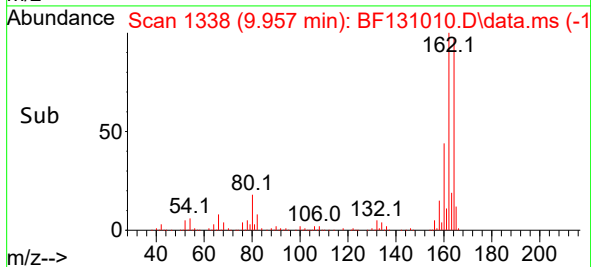
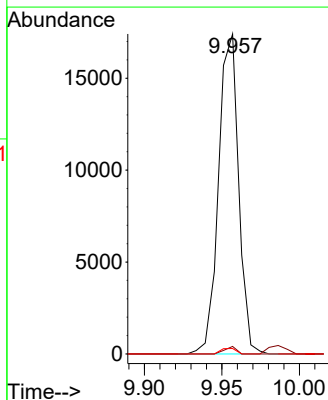
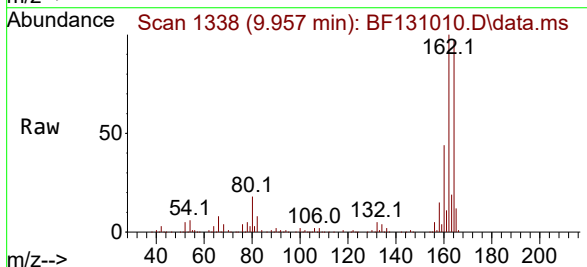
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WC-C(0-4)

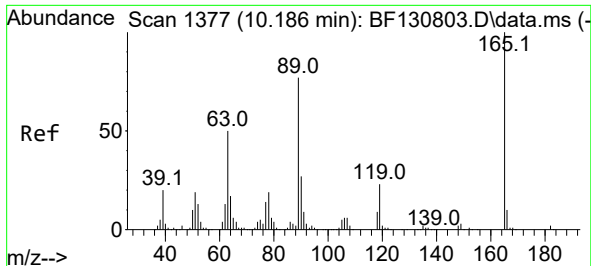
Tgt Ion: 65 Resp: 1049
Ion Ratio Lower Upper
65 100
92 188.3 50.1 75.1#
138 31.1 69.2 103.8#



#51
2,6-Dinitrotoluene
Concen: 12.278 ng
RT: 9.957 min Scan# 1338
Delta R.T. 0.212 min
Lab File: BF131010.D
Acq: 05 Nov 2022 01:46

Tgt Ion: 165 Resp: 15671
Ion Ratio Lower Upper
165 100
63 2.4 61.8 92.8#
89 1.7 56.2 84.4#

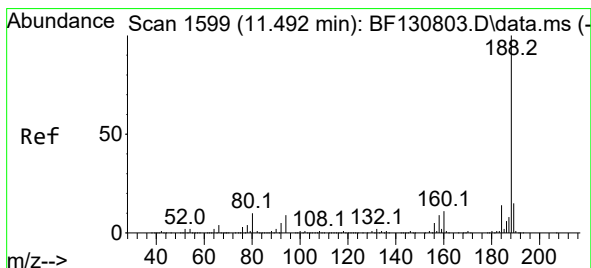
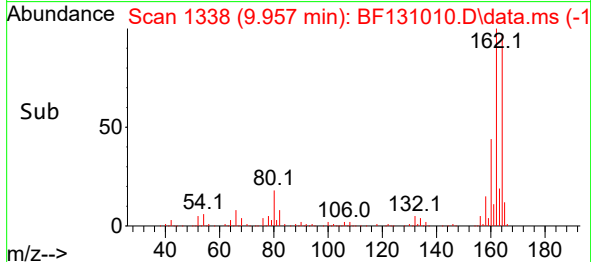
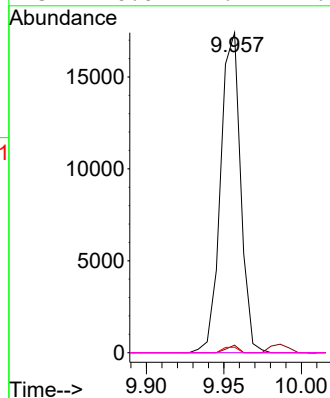
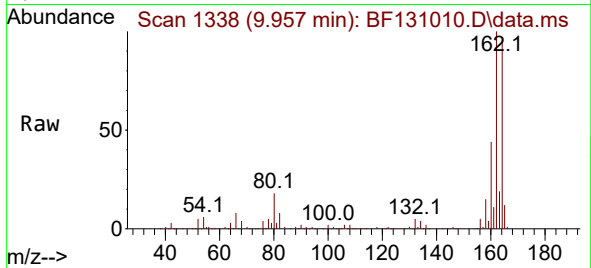




#57
2,4-Dinitrotoluene
Concen: 11.106 ng
RT: 9.957 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF131010.D
Acq: 05 Nov 2022 01:46

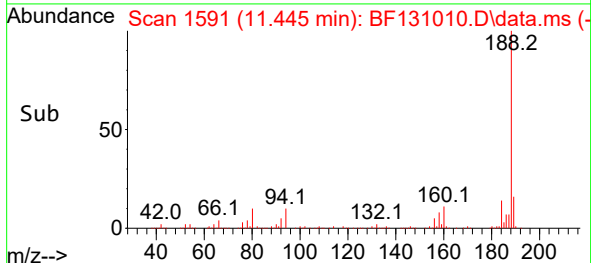
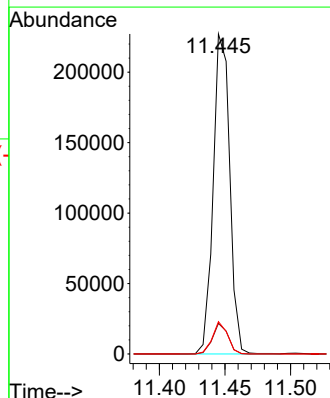
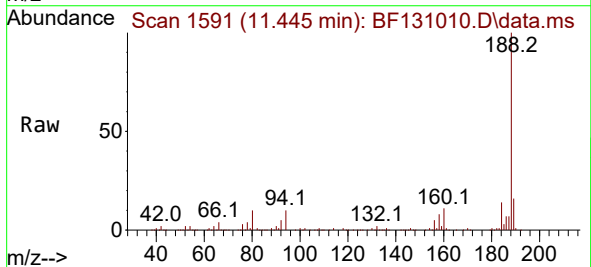
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WC-C(0-4)

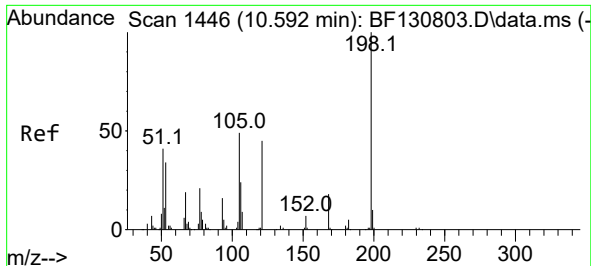
Tgt Ion:165 Resp: 15671
Ion Ratio Lower Upper
165 100
63 2.4 39.8 59.6#
89 1.7 61.9 92.9#
182 0.0 1.9 2.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.445 min Scan# 1591
Delta R.T. -0.012 min
Lab File: BF131010.D
Acq: 05 Nov 2022 01:46

Tgt Ion:188 Resp: 198816
Ion Ratio Lower Upper
188 100
94 9.6 7.4 11.2
80 10.1 8.0 12.0

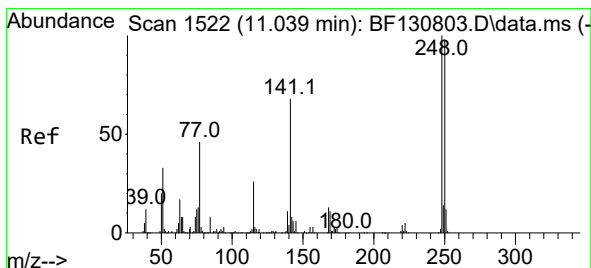
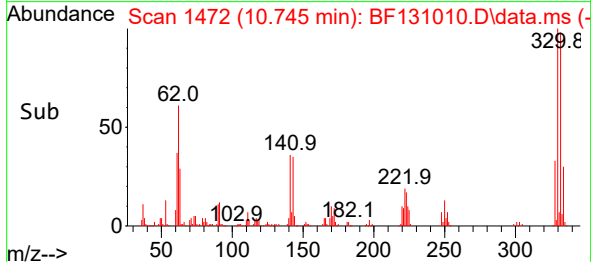
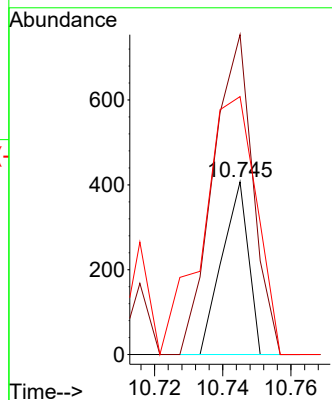
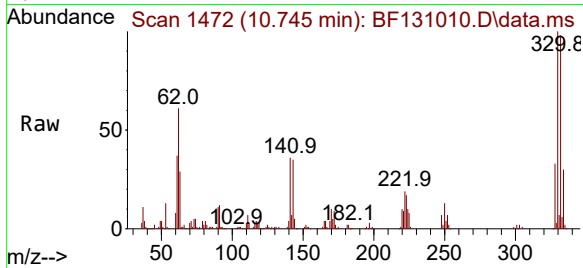




#65
4,6-Dinitro-2-methylphenol
Concen: 8.148 ng
RT: 10.745 min Scan# 1446
Delta R.T. 0.182 min
Lab File: BF131010.D
Acq: 05 Nov 2022 01:46

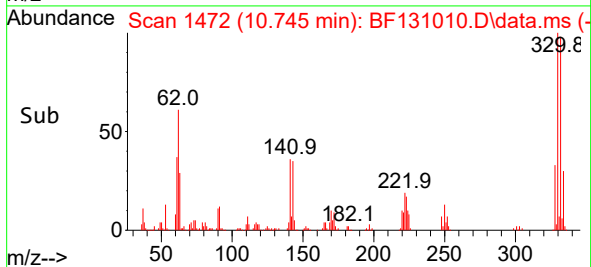
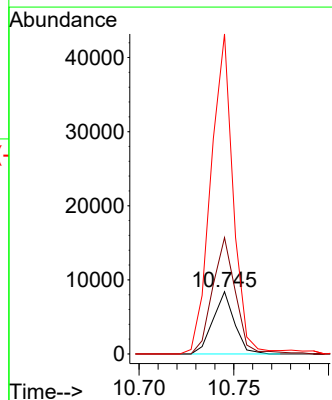
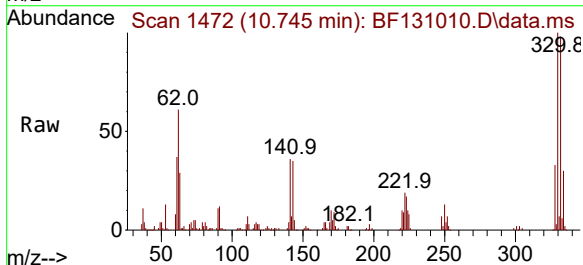
Instrument :
BNA_F
ClientSampleId :
WC-C(0-4)

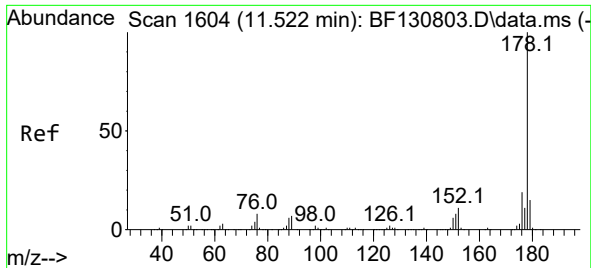
Tgt Ion:198 Resp: 219
Ion Ratio Lower Upper
198 100
51 185.3 39.0 79.0#
105 149.4 30.6 70.6#



#67
4-Bromophenyl-phenylether
Concen: 3.311 ng
RT: 10.745 min Scan# 1472
Delta R.T. -0.253 min
Lab File: BF131010.D
Acq: 05 Nov 2022 01:46

Tgt Ion:248 Resp: 6620
Ion Ratio Lower Upper
248 100
250 186.9 78.6 117.8#
141 514.0 54.2 81.4#

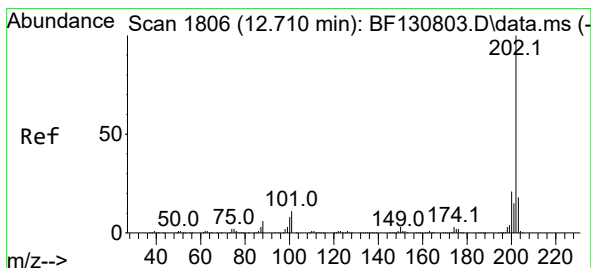
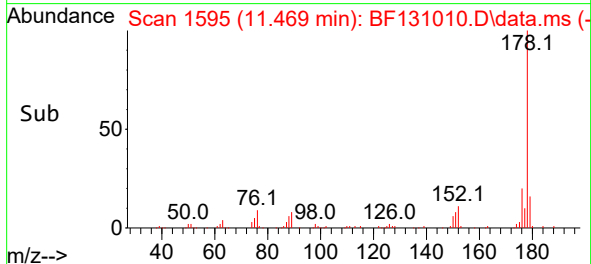
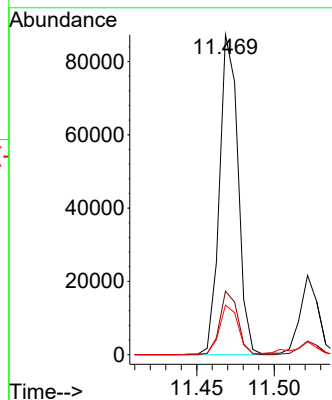
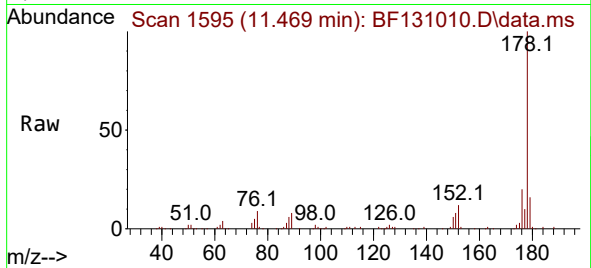




#71
Phenanthrene
Concen: 7.095 ng
RT: 11.469 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF131010.D
Acq: 05 Nov 2022 01:46

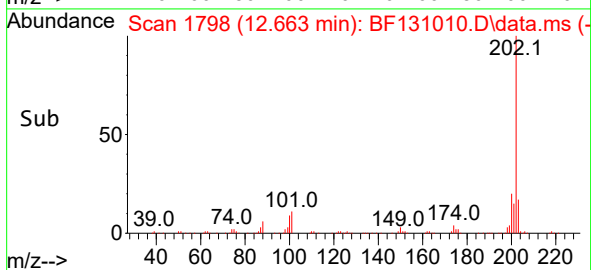
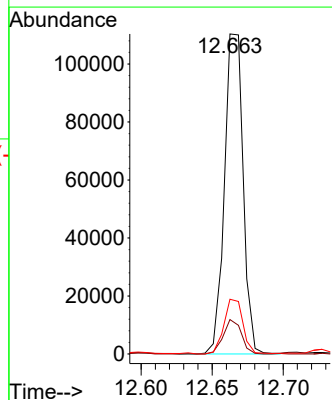
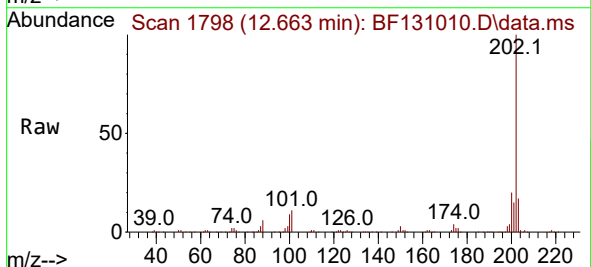
Instrument :
BNA_F
ClientSampleId :
WC-C(0-4)

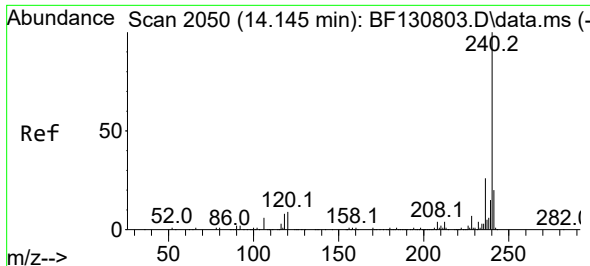
Tgt Ion:178 Resp: 72801
Ion Ratio Lower Upper
178 100
176 19.8 15.5 23.3
179 15.5 12.2 18.2



#75
Fluoranthene
Concen: 9.261 ng
RT: 12.663 min Scan# 1798
Delta R.T. -0.012 min
Lab File: BF131010.D
Acq: 05 Nov 2022 01:46

Tgt Ion:202 Resp: 100973
Ion Ratio Lower Upper
202 100
101 10.8 0.0 30.9
203 17.1 0.0 37.7

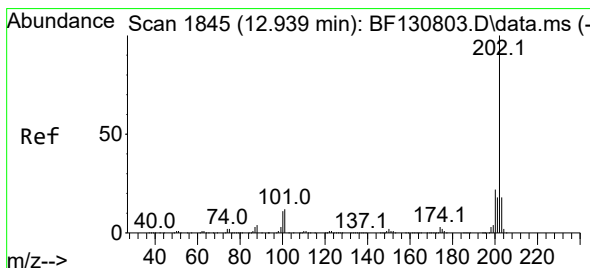
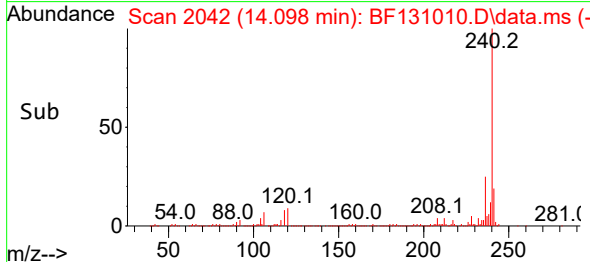
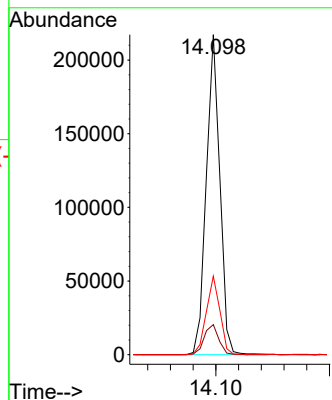
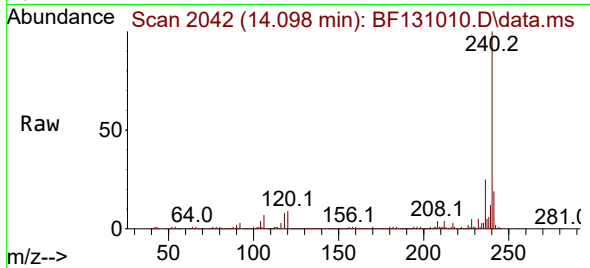




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2050
Delta R.T. -0.006 min
Lab File: BF131010.D
Acq: 05 Nov 2022 01:46

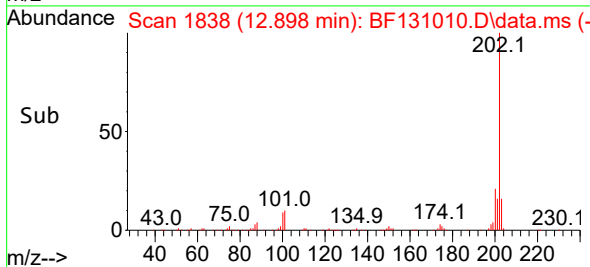
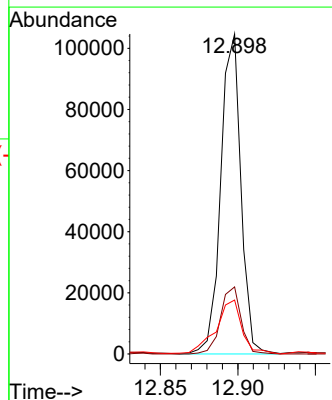
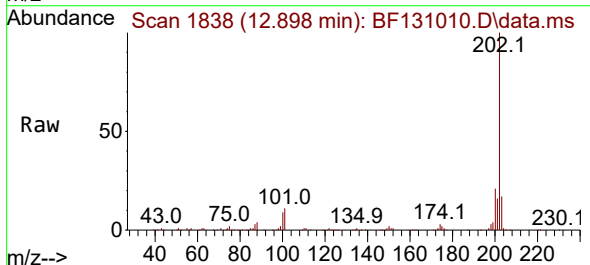
Instrument :
BNA_F
ClientSampleId :
WC-C(0-4)

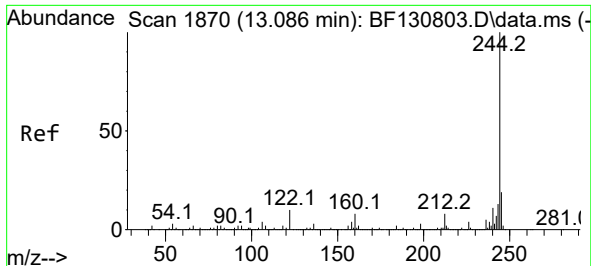
Tgt Ion:240 Resp: 179382
Ion Ratio Lower Upper
240 100
120 9.4 7.0 10.4
236 24.6 20.5 30.7



#78
Pyrene
Concen: 6.252 ng
RT: 12.898 min Scan# 1838
Delta R.T. -0.006 min
Lab File: BF131010.D
Acq: 05 Nov 2022 01:46

Tgt Ion:202 Resp: 94615
Ion Ratio Lower Upper
202 100
200 20.9 17.2 25.8
203 16.9 14.5 21.7

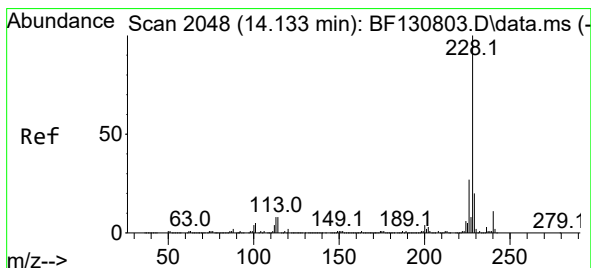
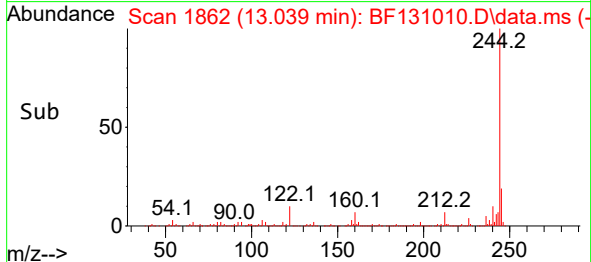
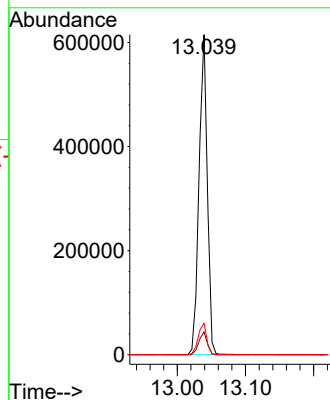
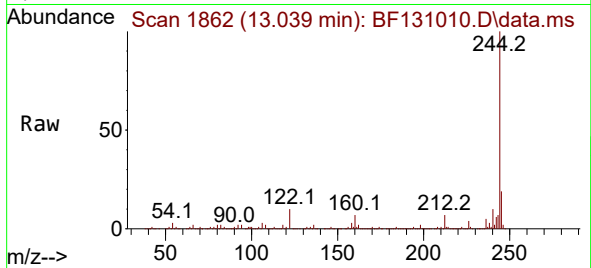




#79
 Terphenyl-d14
 Concen: 52.618 ng
 RT: 13.039 min Scan# 1862
 Delta R.T. -0.006 min
 Lab File: BF131010.D
 Acq: 05 Nov 2022 01:46

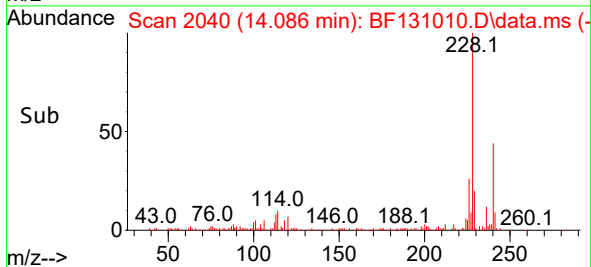
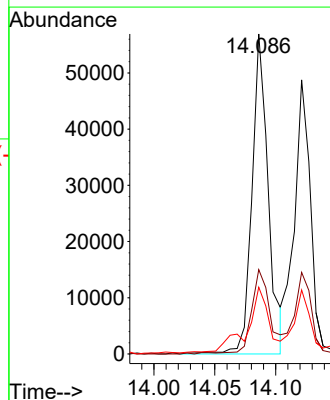
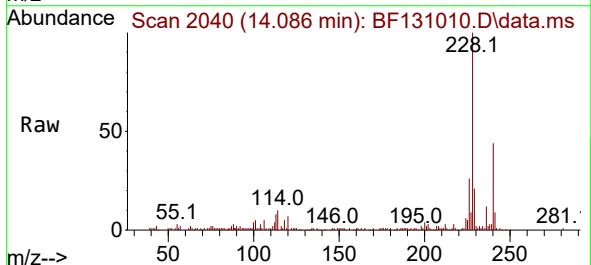
Instrument :
 BNA_F
 ClientSampleId :
 WC-C(0-4)

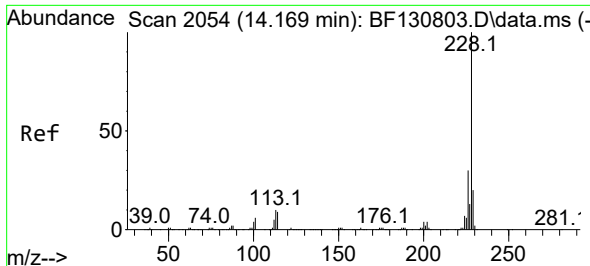
Tgt Ion:244 Resp: 515087
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.2 9.2
 122 9.8 7.9 11.9



#81
 Benzo(a)anthracene
 Concen: 4.463 ng
 RT: 14.086 min Scan# 2040
 Delta R.T. -0.012 min
 Lab File: BF131010.D
 Acq: 05 Nov 2022 01:46

Tgt Ion:228 Resp: 53076
 Ion Ratio Lower Upper
 228 100
 226 26.3 21.4 32.2
 229 20.9 15.8 23.6





#83

Chrysene

Concen: 3.950 ng

RT: 14.121 min Scan# 2046

Delta R.T. -0.012 min

Lab File: BF131010.D

Acq: 05 Nov 2022 01:46

Instrument :

BNA_F

ClientSampleId :

WC-C(0-4)

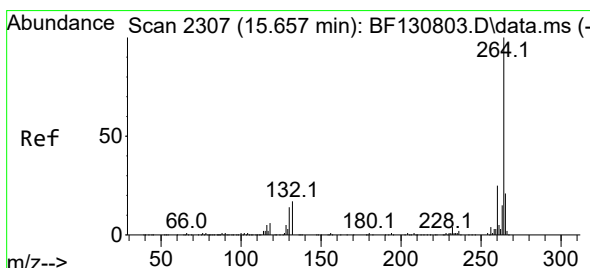
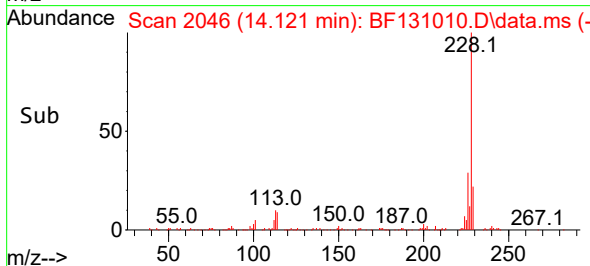
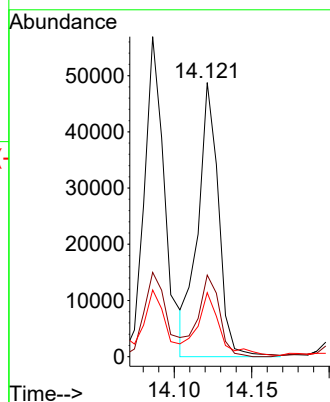
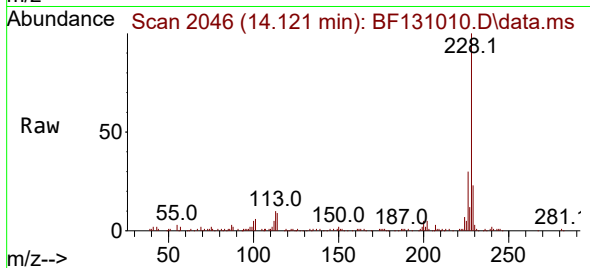
Tgt Ion:228 Resp: 45310

Ion Ratio Lower Upper

228 100

226 29.8 23.9 35.9

229 23.4 15.8 23.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.604 min Scan# 2298

Delta R.T. -0.006 min

Lab File: BF131010.D

Acq: 05 Nov 2022 01:46

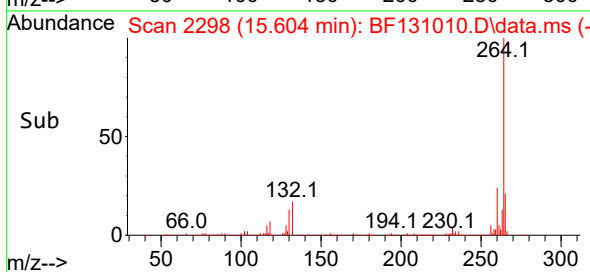
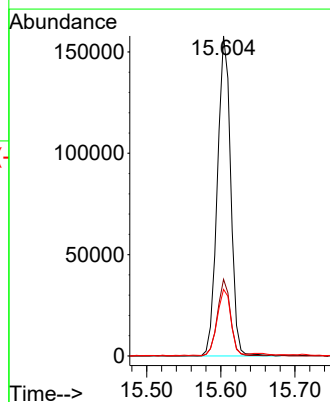
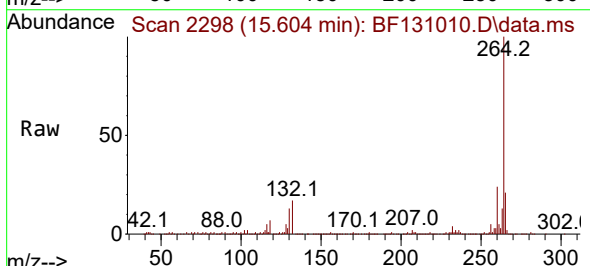
Tgt Ion:264 Resp: 197207

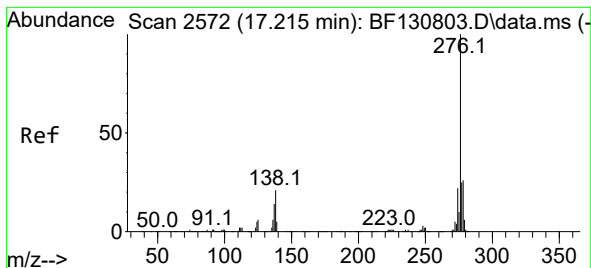
Ion Ratio Lower Upper

264 100

260 24.0 19.9 29.9

265 20.8 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.632 ng

RT: 17.121 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF131010.D

Acq: 05 Nov 2022 01:46

Instrument :

BNA_F

ClientSampleId :

WC-C(0-4)

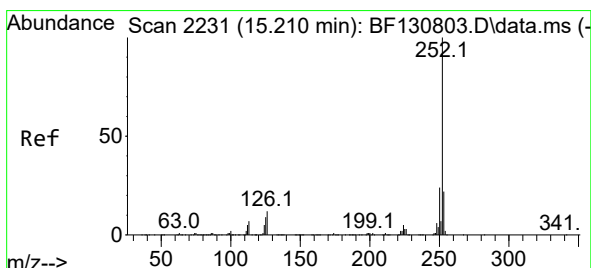
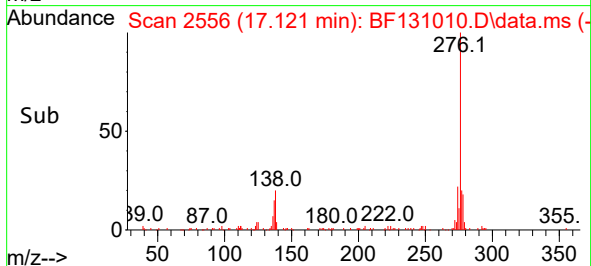
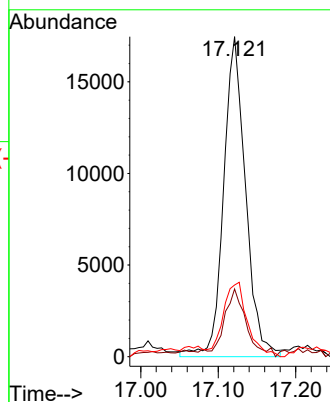
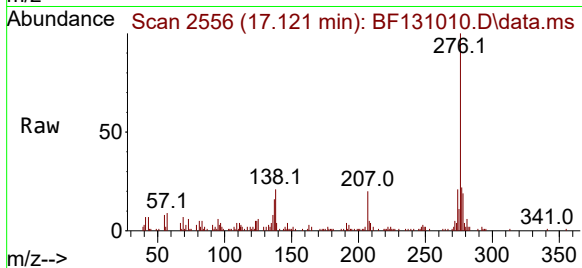
Tgt Ion:276 Resp: 34469

Ion Ratio Lower Upper

276 100

138 21.7 19.1 28.7

277 26.0 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 6.128 ng

RT: 15.157 min Scan# 2222

Delta R.T. -0.006 min

Lab File: BF131010.D

Acq: 05 Nov 2022 01:46

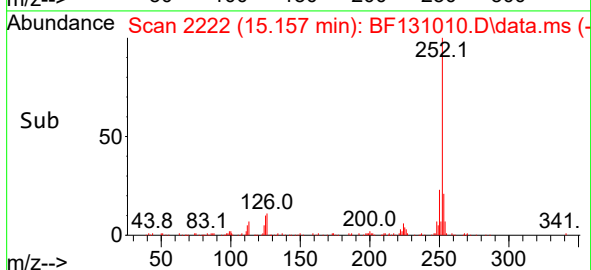
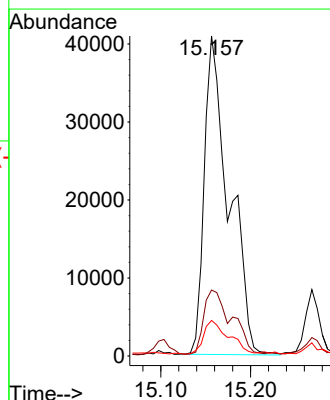
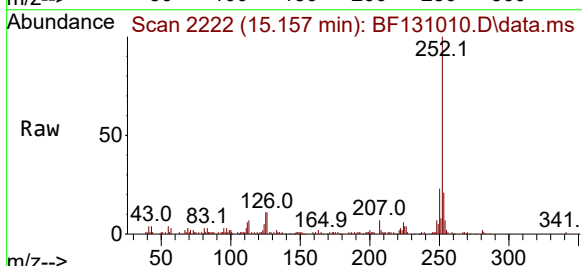
Tgt Ion:252 Resp: 78117

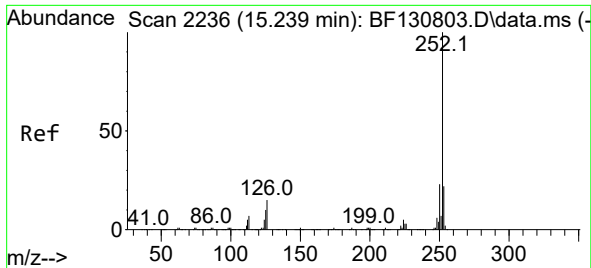
Ion Ratio Lower Upper

252 100

253 20.6 17.5 26.3

125 11.1 7.0 10.4#

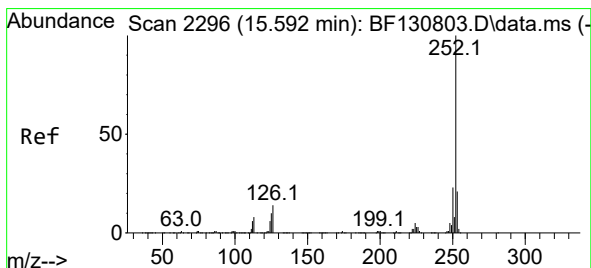
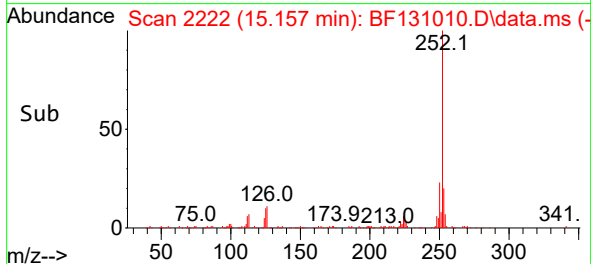
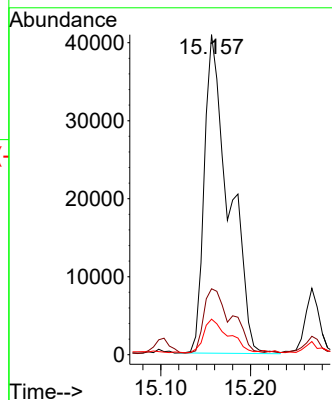
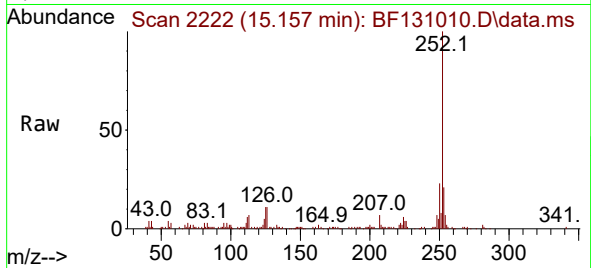




#89
Benzo(k)fluoranthene
Concen: 6.289 ng
RT: 15.157 min Scan# 211
Delta R.T. -0.041 min
Lab File: BF131010.D
Acq: 05 Nov 2022 01:46

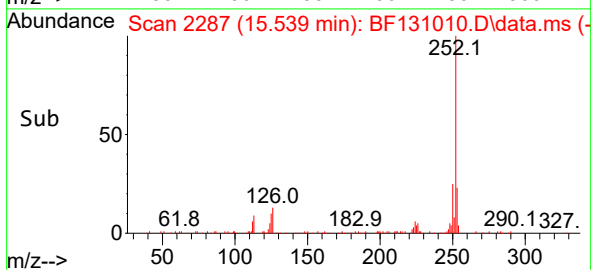
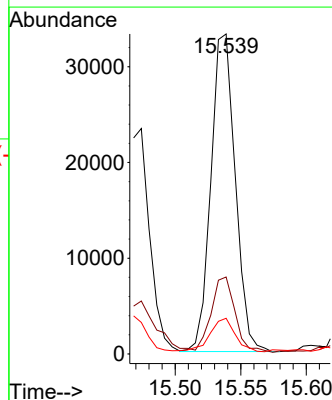
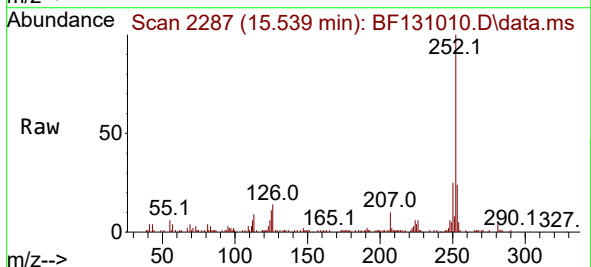
Instrument :
BNA_F
ClientSampleId :
WC-C(0-4)

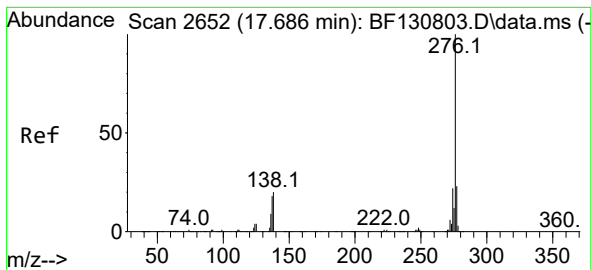
Tgt Ion:252 Resp: 78117
Ion Ratio Lower Upper
252 100
253 20.6 17.5 26.3
125 11.1 8.0 12.0



#90
Benzo(a)pyrene
Concen: 4.181 ng
RT: 15.539 min Scan# 2287
Delta R.T. -0.006 min
Lab File: BF131010.D
Acq: 05 Nov 2022 01:46

Tgt Ion:252 Resp: 42845
Ion Ratio Lower Upper
252 100
253 24.1 16.8 25.2
125 11.2 8.3 12.5





#92

Benzo(g,h,i)perylene

Concen: 3.019 ng

RT: 17.586 min Scan# 2

Delta R.T. -0.024 min

Lab File: BF131010.D

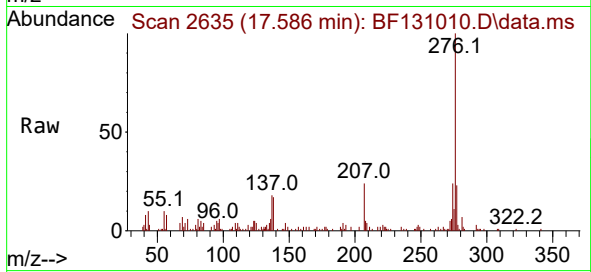
Acq: 05 Nov 2022 01:46

Instrument :

BNA_F

ClientSampleId :

WC-C(0-4)



Tgt Ion:276 Resp: 32877

Ion Ratio Lower Upper

276 100

277 23.1 18.8 28.2

138 17.3 16.3 24.5

