

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082522\
 Data File : BF130005.D
 Acq On : 25 Aug 2022 18:19
 Operator : CG\JU
 Sample : N4352-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 11985

Quant Time: Aug 26 01:01:09 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 25 14:45:09 2022
 Response via : Initial Calibration

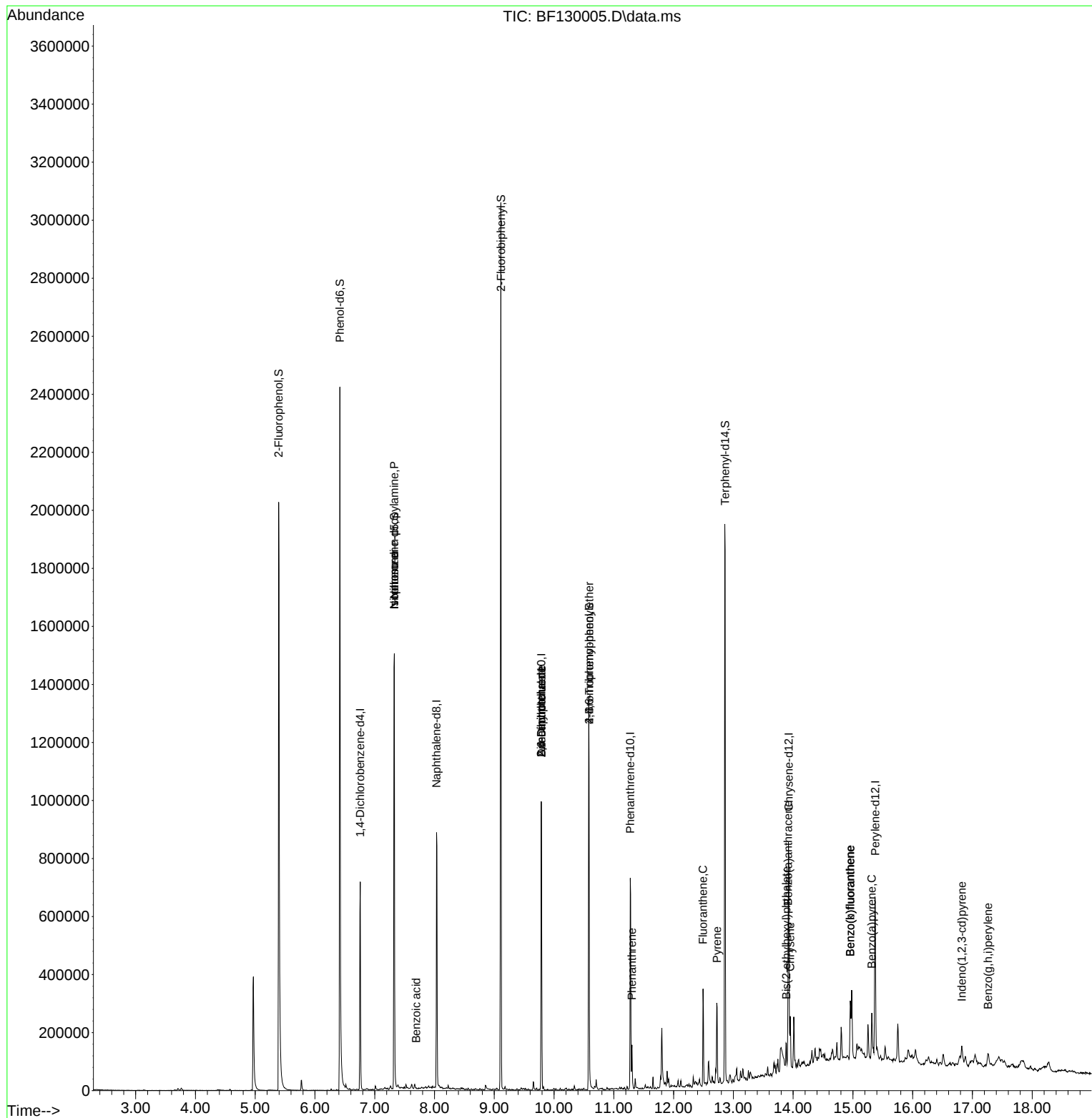
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	103899	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	389201	20.000	ng	0.00
39) Acenaphthene-d10	9.786	164	179785	20.000	ng	0.00
64) Phenanthrene-d10	11.275	188	255478	20.000	ng	# 0.00
76) Chrysene-d12	13.927	240	249877	20.000	ng	0.00
86) Perylene-d12	15.374	264	259871	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	631351	100.610	ng	0.00
7) Phenol-d6	6.416	99	744934	94.795	ng	0.00
23) Nitrobenzene-d5	7.328	82	486852	66.963	ng	0.00
42) 2,4,6-Tribromophenol	10.586	330	146709	81.306	ng	0.00
45) 2-Fluorobiphenyl	9.110	172	802448	67.790	ng	0.00
79) Terphenyl-d14	12.863	244	644277	42.903	ng	0.00
Target Compounds						
9) Benzaldehyde	6.257	77	68	Below Cal		Qvalue # 1
19) n-Nitroso-di-n-propyla...	7.328	70	66266	13.341	ng	# 77
25) Isophorone	7.328	82	486747	38.898	ng	# 65
32) Benzoic acid	7.692	122	140	2.228	ng	# 37
50) Dimethylphthalate	9.786	163	30141	2.339	ng	# 1
51) 2,6-Dinitrotoluene	9.786	165	23599	8.441	ng	# 23
57) 2,4-Dinitrotoluene	9.786	165	23599	6.502	ng	# 18
67) 4-Bromophenyl-phenylether	10.586	248	9485	3.170	ng	# 1
71) Phenanthrene	11.304	178	53310	3.736	ng	99
75) Fluoranthene	12.492	202	118794	8.136	ng	97
77) Benzidine	12.857	184	9131	Below Cal		# 89
78) Pyrene	12.727	202	112730	5.192	ng	99
81) Benzo(a)anthracene	13.916	228	71913	4.184	ng	99
83) Chrysene	13.951	228	65427	4.066	ng	99
84) Bis(2-ethylhexyl)phtha...	13.886	149	25104	2.303	ng	97
87) Indeno(1,2,3-cd)pyrene	16.821	276	41579	2.331	ng	95
88) Benzo(b)fluoranthene	14.957	252	139335	7.830	ng	98
89) Benzo(k)fluoranthene	14.957	252	139335	8.165	ng	97
90) Benzo(a)pyrene	15.316	252	70551	5.035	ng	97
92) Benzo(g,h,i)perylene	17.262	276	39240	2.672	ng	98

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

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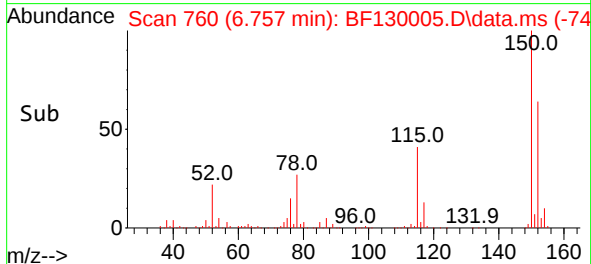
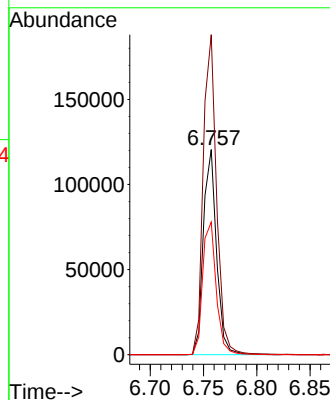
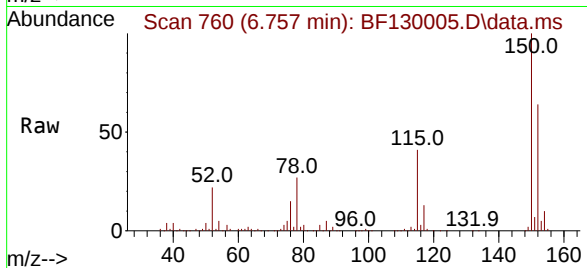




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF130005.D
Acq: 25 Aug 2022 18:19

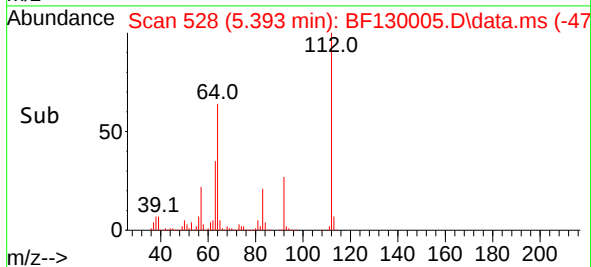
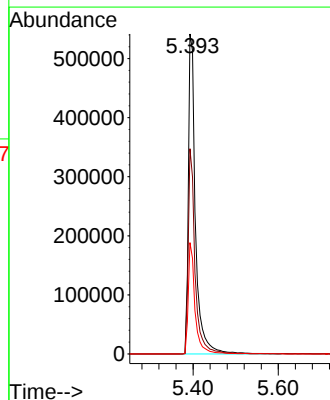
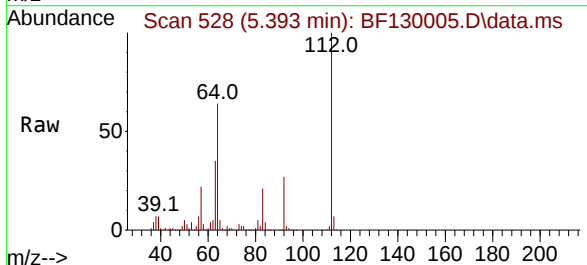
Instrument :
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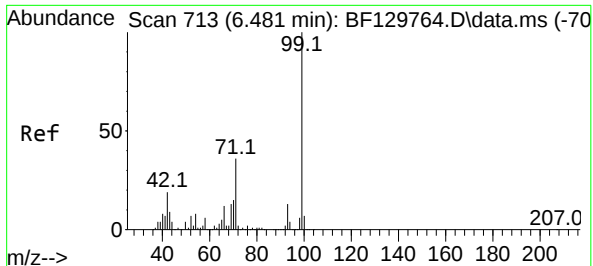
Tgt Ion:152 Resp: 103899
Ion Ratio Lower Upper
152 100
150 156.0 126.9 190.3
115 64.6 53.4 80.0



#5
2-Fluorophenol
Concen: 100.610 ng
RT: 5.393 min Scan# 528
Delta R.T. 0.000 min
Lab File: BF130005.D
Acq: 25 Aug 2022 18:19

Tgt Ion:112 Resp: 631351
Ion Ratio Lower Upper
112 100
64 64.2 47.6 71.4
63 34.8 24.6 37.0

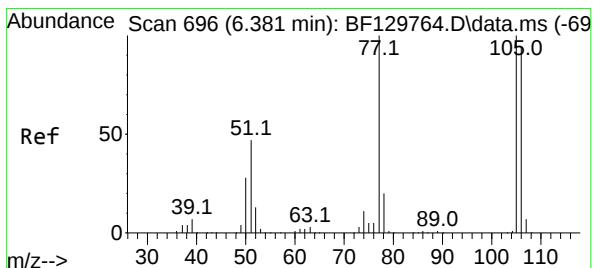
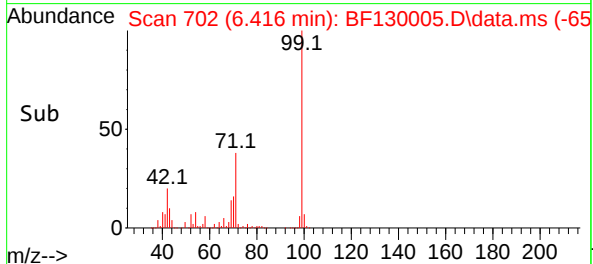
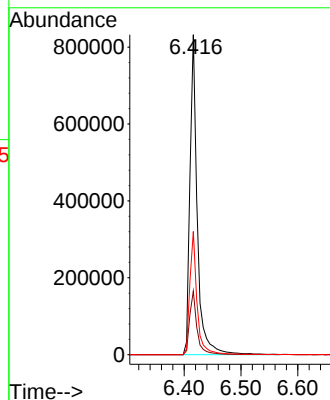
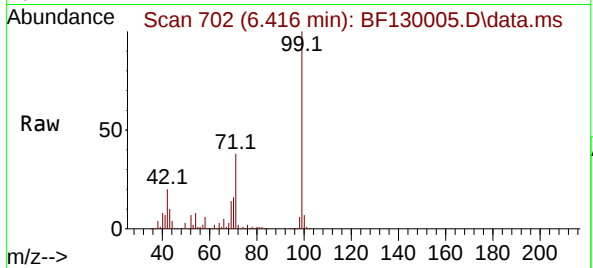




#7
Phenol-d6
Concen: 94.795 ng
RT: 6.416 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF130005.D
Acq: 25 Aug 2022 18:19

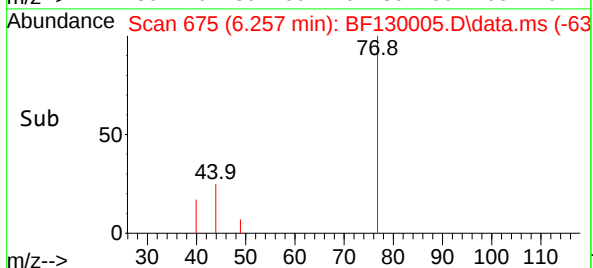
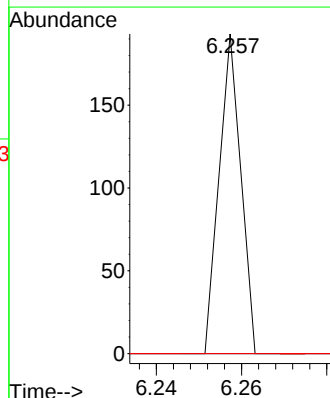
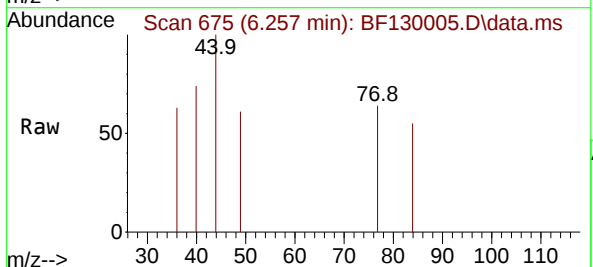
Instrument :
BNA_F
ClientSampleId :
11985

Tgt Ion: 99 Resp: 744934
Ion Ratio Lower Upper
99 100
42 19.9 15.0 22.4
71 38.5 28.8 43.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.257 min Scan# 675
Delta R.T. -0.059 min
Lab File: BF130005.D
Acq: 25 Aug 2022 18:19

Tgt Ion: 77 Resp: 68
Ion Ratio Lower Upper
77 100
105 0.0 80.3 120.3#
106 0.0 74.3 114.3#

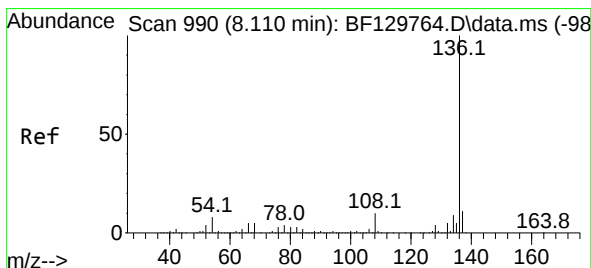
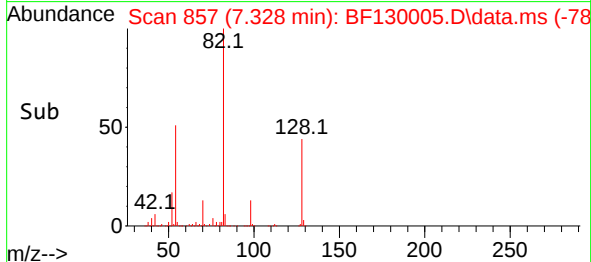
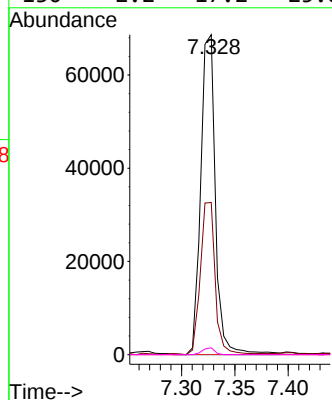
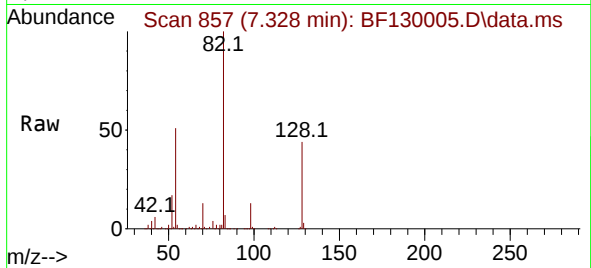




#19
n-Nitroso-di-n-propylamine
Concen: 13.341 ng
RT: 7.328 min Scan# 811
Delta R.T. 0.147 min
Lab File: BF130005.D
Acq: 25 Aug 2022 18:19

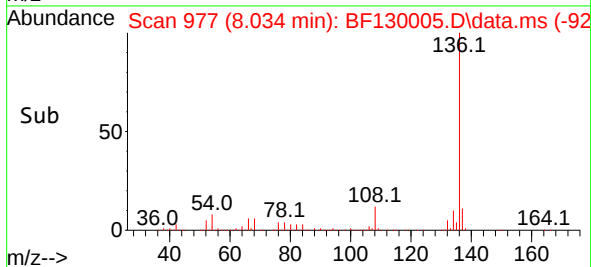
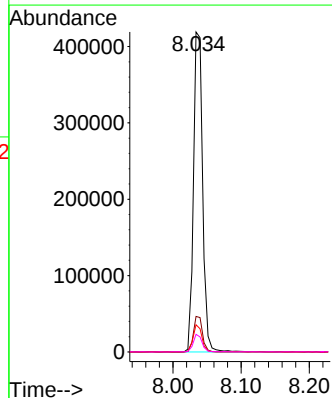
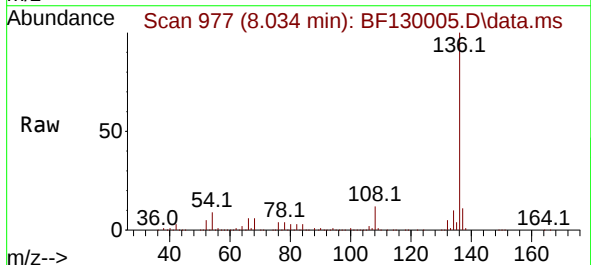
Instrument :
BNA_F
ClientSampleId :
11985

Tgt Ion: 70 Resp: 66266
Ion Ratio Lower Upper
70 100
42 47.5 47.6 71.4#
101 0.0 8.1 12.1#
130 2.2 17.2 25.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.034 min Scan# 977
Delta R.T. -0.006 min
Lab File: BF130005.D
Acq: 25 Aug 2022 18:19

Tgt Ion: 136 Resp: 389201
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 8.5 6.2 9.2
68 5.5 4.2 6.4

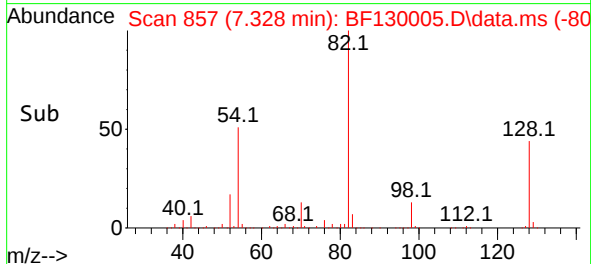
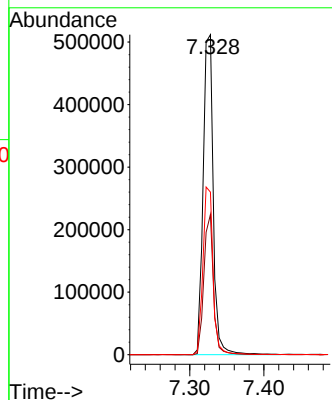
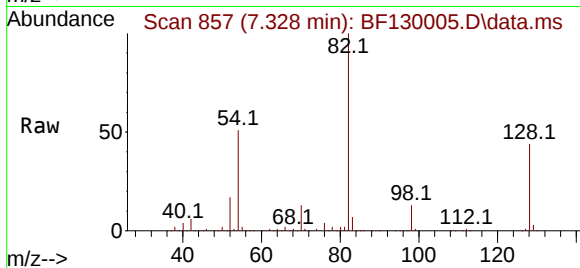




#23
Nitrobenzene-d5
Concen: 66.963 ng
RT: 7.328 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF130005.D
Acq: 25 Aug 2022 18:19

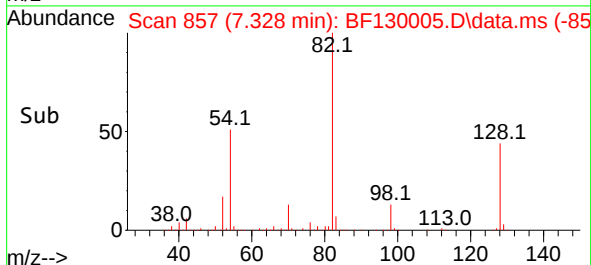
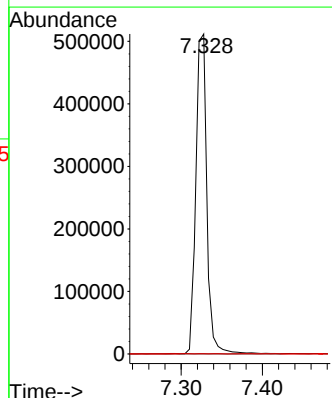
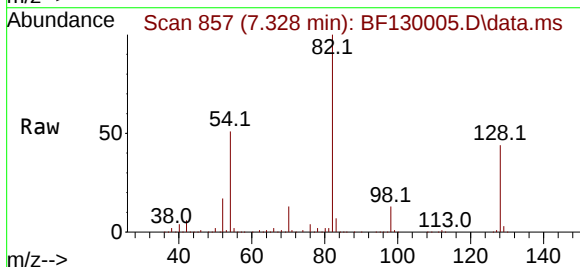
Instrument :
BNA_F
ClientSampleId :
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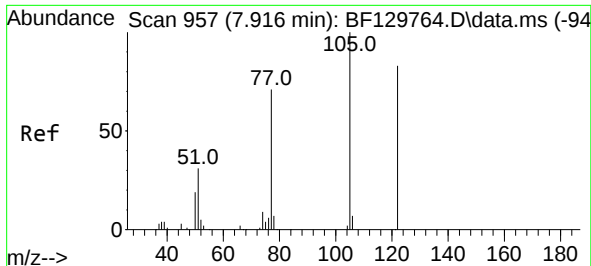
Tgt Ion: 82 Resp: 486852
Ion Ratio Lower Upper
82 100
128 43.8 36.1 54.1
54 50.8 40.0 60.0



#25
Isophorone
Concen: 38.898 ng
RT: 7.328 min Scan# 857
Delta R.T. -0.259 min
Lab File: BF130005.D
Acq: 25 Aug 2022 18:19

Tgt Ion: 82 Resp: 486747
Ion Ratio Lower Upper
82 100
95 0.1 5.9 8.9#
138 0.0 14.6 21.8#

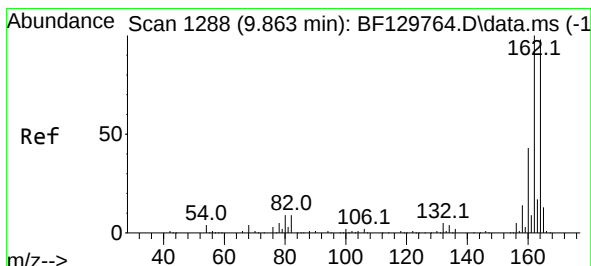
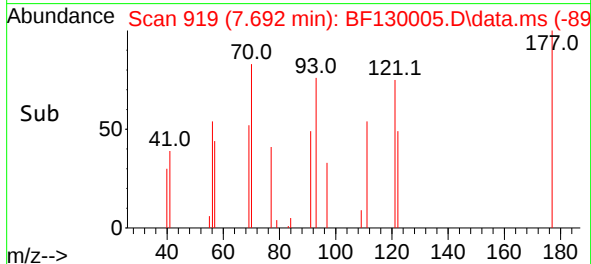
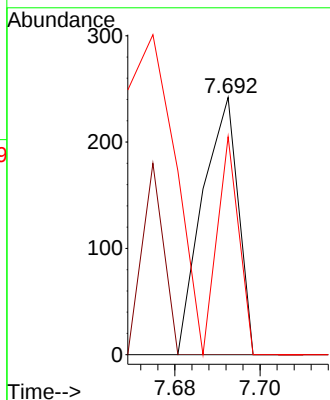
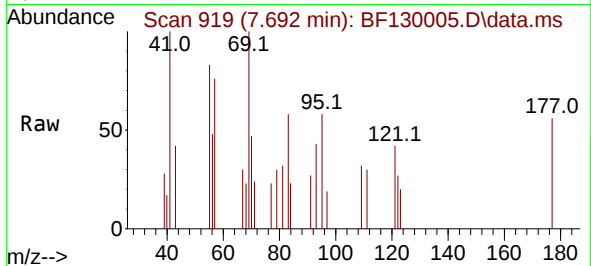




#32
Benzoic acid
Concen: 2.228 ng
RT: 7.692 min Scan# 919
Delta R.T. -0.171 min
Lab File: BF130005.D
Acq: 25 Aug 2022 18:19

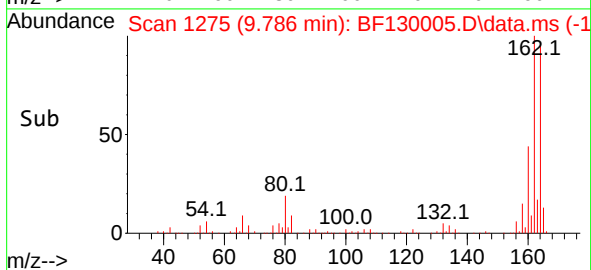
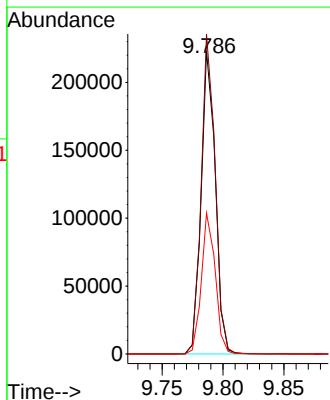
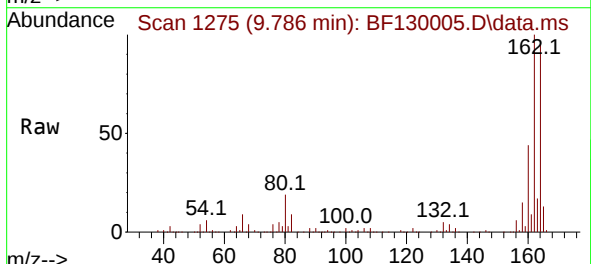
Instrument :
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11985

Tgt Ion:122 Resp: 140
Ion Ratio Lower Upper
122 100
105 0.0 99.9 139.9#
77 84.7 65.9 105.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.786 min Scan# 1275
Delta R.T. -0.006 min
Lab File: BF130005.D
Acq: 25 Aug 2022 18:19

Tgt Ion:164 Resp: 179785
Ion Ratio Lower Upper
164 100
162 105.6 82.0 123.0
160 46.5 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 81.306 ng

RT: 10.586 min Scan# 1424

Delta R.T. 0.000 min

Lab File: BF130005.D

Acq: 25 Aug 2022 18:19

Instrument :

BNA_F

ClientSampleId :

11985

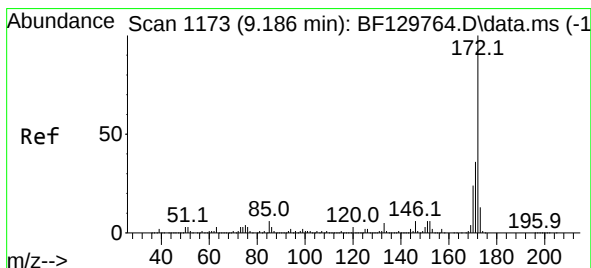
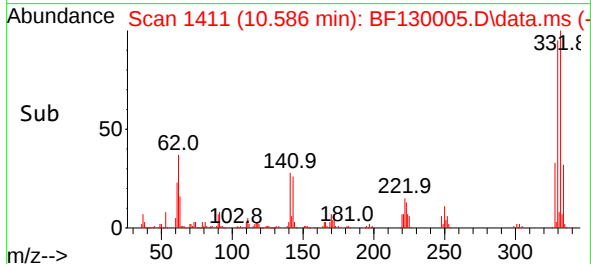
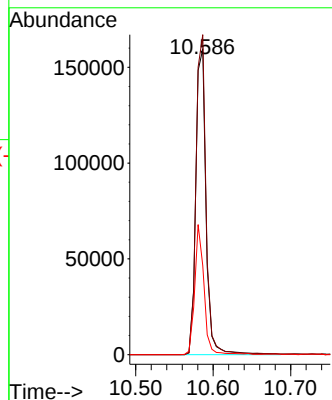
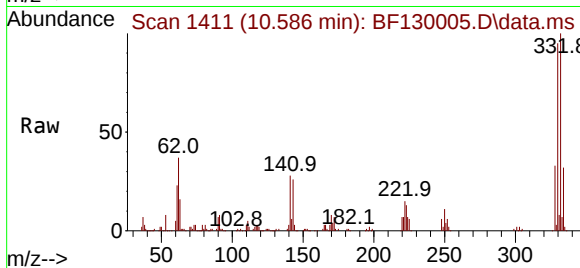
Tgt Ion:330 Resp: 146709

Ion Ratio Lower Upper

330 100

332 102.0 82.6 124.0

141 38.5 27.6 41.4



#45

2-Fluorobiphenyl

Concen: 67.790 ng

RT: 9.110 min Scan# 1160

Delta R.T. -0.006 min

Lab File: BF130005.D

Acq: 25 Aug 2022 18:19

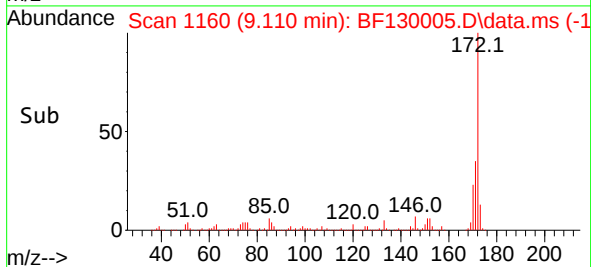
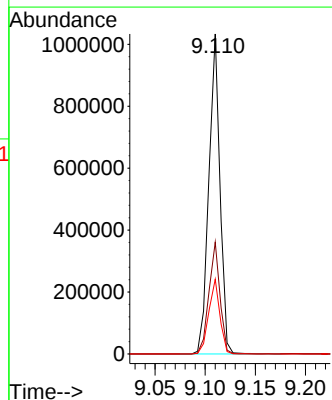
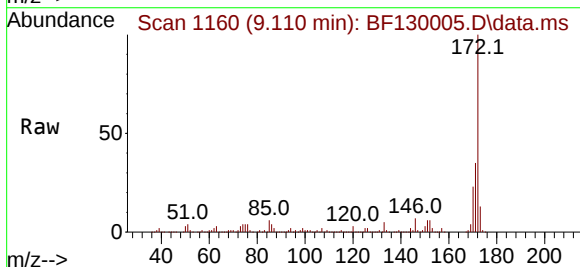
Tgt Ion:172 Resp: 802448

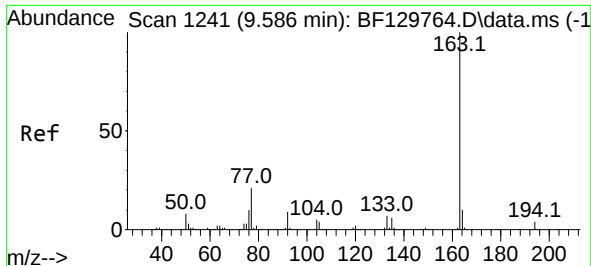
Ion Ratio Lower Upper

172 100

171 35.0 28.4 42.6

170 23.4 19.1 28.7

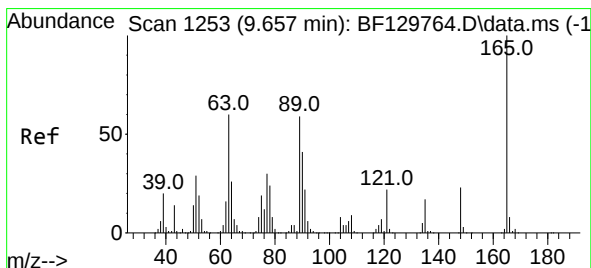
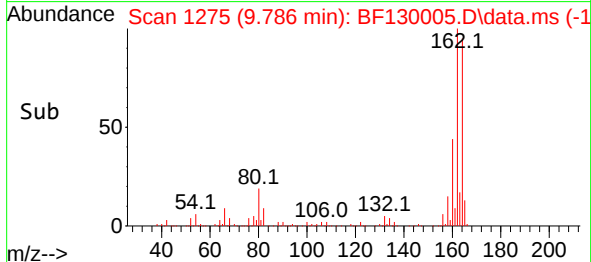
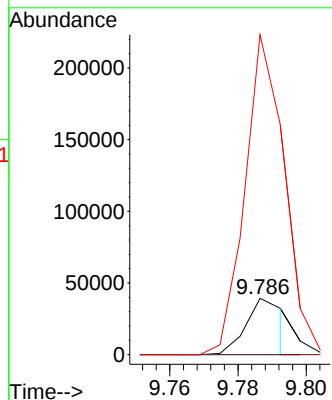
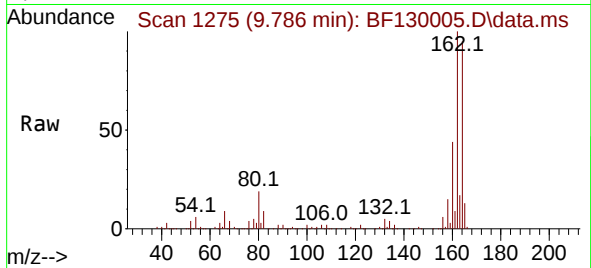




#50
Dimethylphthalate
Concen: 2.339 ng
RT: 9.786 min Scan# 1275
Delta R.T. 0.265 min
Lab File: BF130005.D
Acq: 25 Aug 2022 18:19

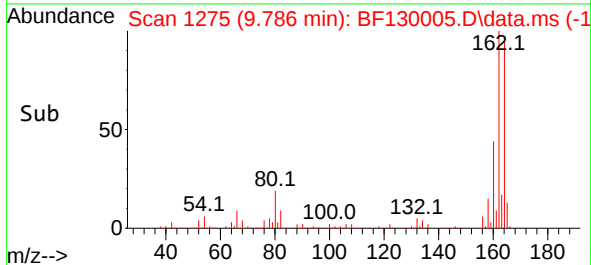
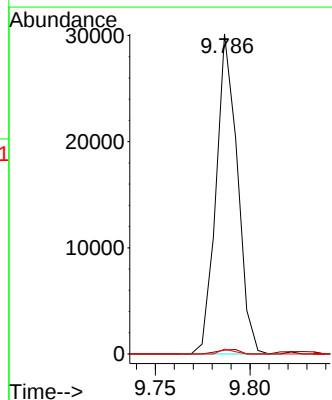
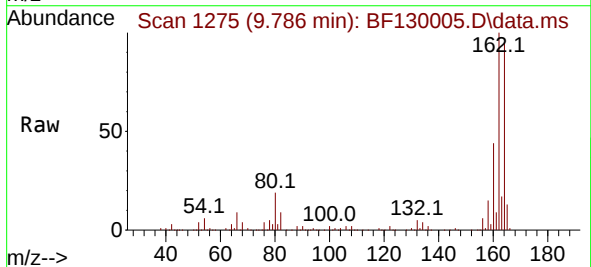
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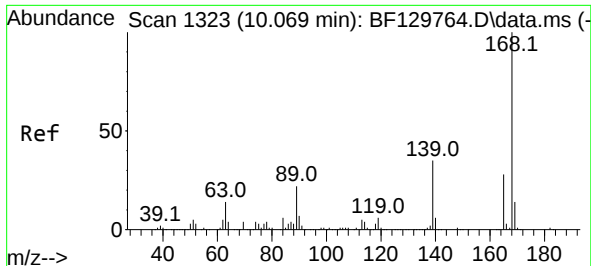
Tgt Ion:163 Resp: 30141
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 568.5 8.2 12.2#



#51
2,6-Dinitrotoluene
Concen: 8.441 ng
RT: 9.786 min Scan# 1275
Delta R.T. 0.194 min
Lab File: BF130005.D
Acq: 25 Aug 2022 18:19

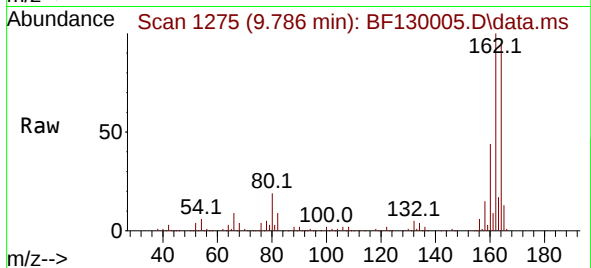
Tgt Ion:165 Resp: 23599
Ion Ratio Lower Upper
165 100
63 1.2 47.8 71.8#
89 1.5 47.2 70.8#



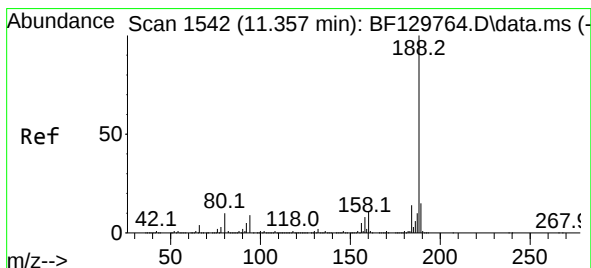
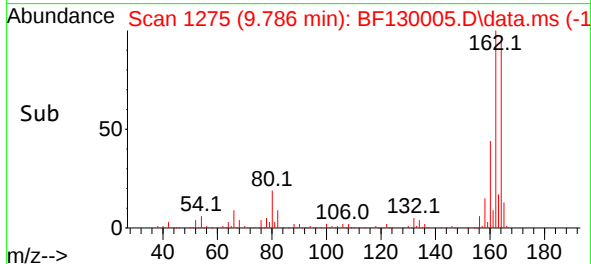
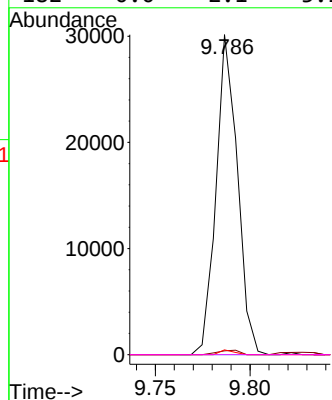


#57
2,4-Dinitrotoluene
Concen: 6.502 ng
RT: 9.786 min Scan# 11985
Delta R.T. -0.218 min
Lab File: BF130005.D
Acq: 25 Aug 2022 18:19

Instrument :
BNA_F
ClientSampleId :
11985

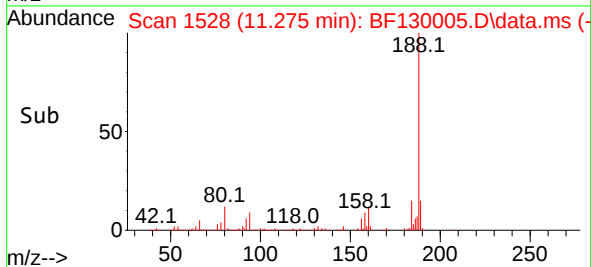
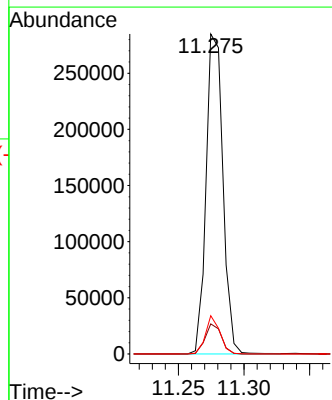
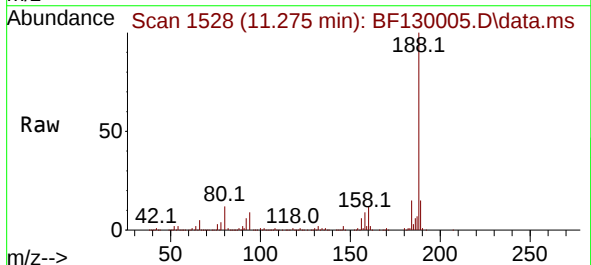


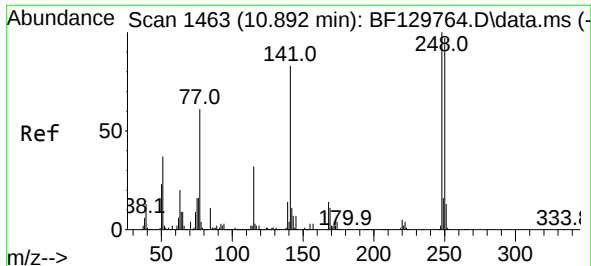
Tgt Ion:165 Resp: 23599
Ion Ratio Lower Upper
165 100
63 1.2 48.4 72.6#
89 1.5 62.3 93.5#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.275 min Scan# 1528
Delta R.T. -0.006 min
Lab File: BF130005.D
Acq: 25 Aug 2022 18:19

Tgt Ion:188 Resp: 255478
Ion Ratio Lower Upper
188 100
94 9.4 7.4 11.2
80 12.0 7.9 11.9#

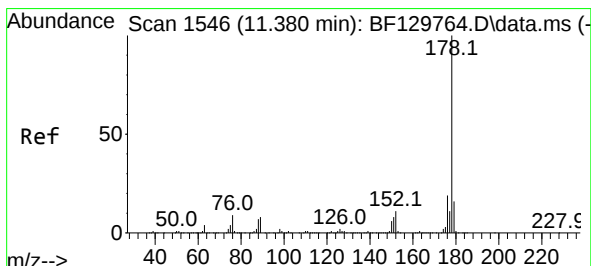
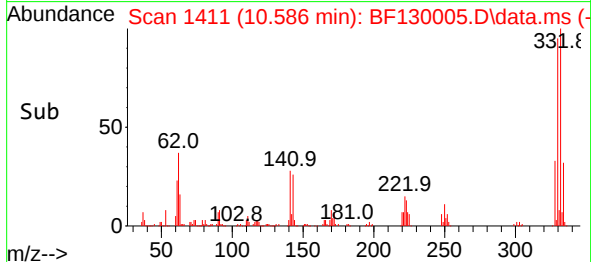
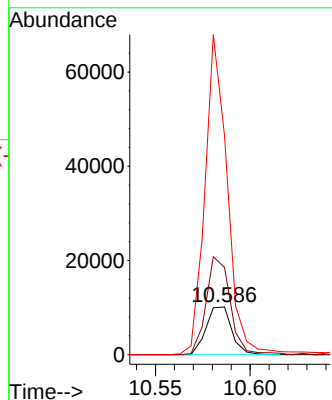
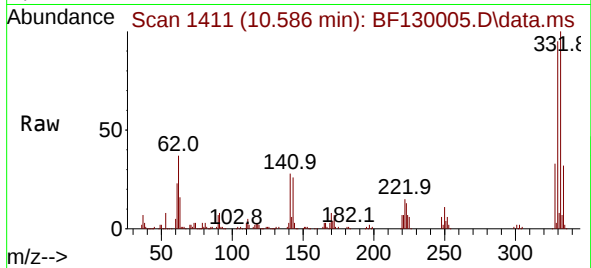




#67
4-Bromophenyl-phenylether
Concen: 3.170 ng
RT: 10.586 min Scan# 1463
Delta R.T. -0.235 min
Lab File: BF130005.D
Acq: 25 Aug 2022 18:19

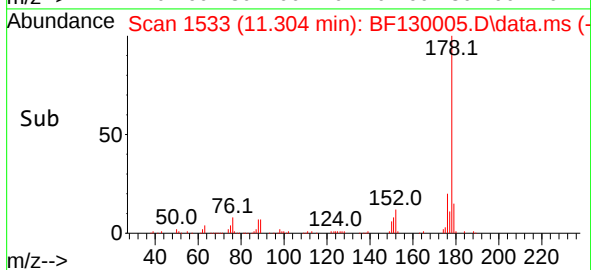
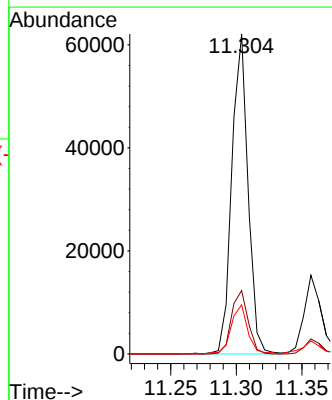
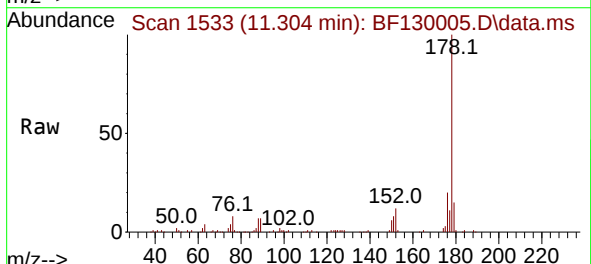
Instrument :
BNA_F
ClientSampleId :
11985

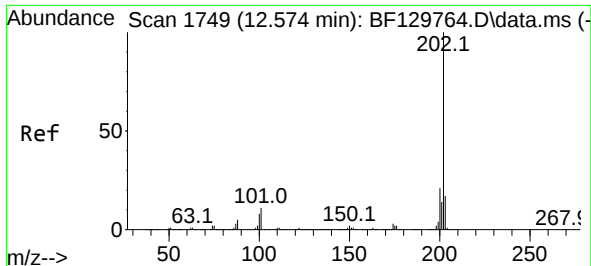
Tgt Ion:248 Resp: 9485
Ion Ratio Lower Upper
248 100
250 183.0 77.8 116.6#
141 459.9 66.2 99.2#



#71
Phenanthrene
Concen: 3.736 ng
RT: 11.304 min Scan# 1533
Delta R.T. 0.000 min
Lab File: BF130005.D
Acq: 25 Aug 2022 18:19

Tgt Ion:178 Resp: 53310
Ion Ratio Lower Upper
178 100
176 19.8 15.5 23.3
179 15.4 12.5 18.7

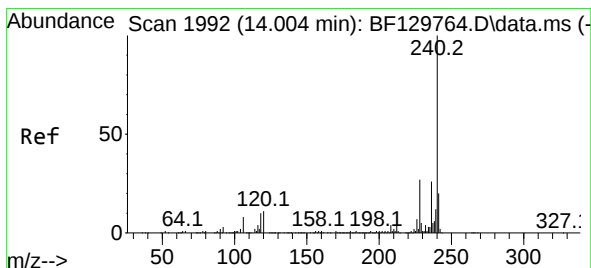
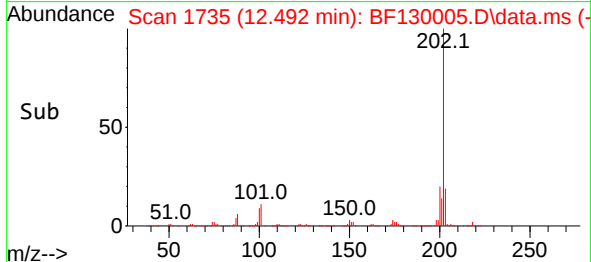
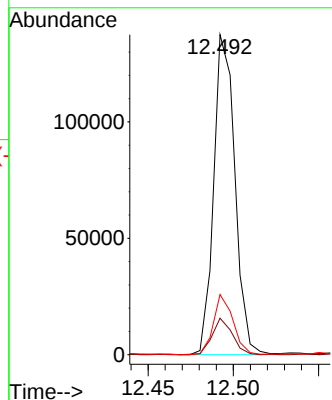
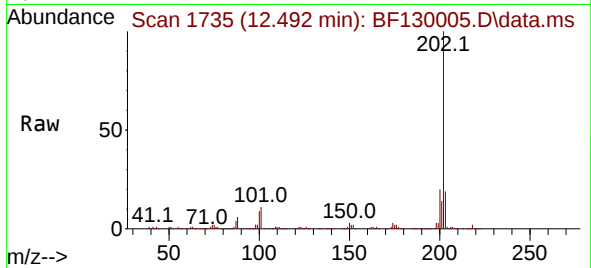




#75
Fluoranthene
Concen: 8.136 ng
RT: 12.492 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130005.D
Acq: 25 Aug 2022 18:19

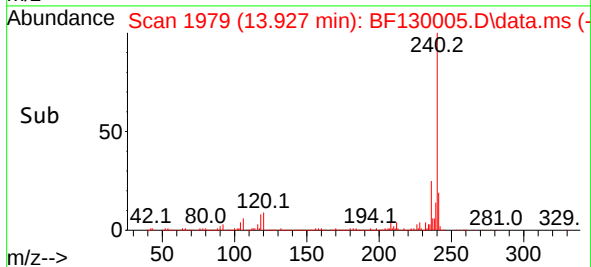
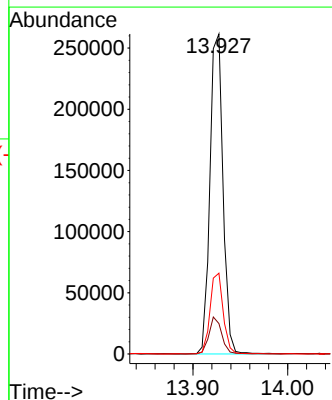
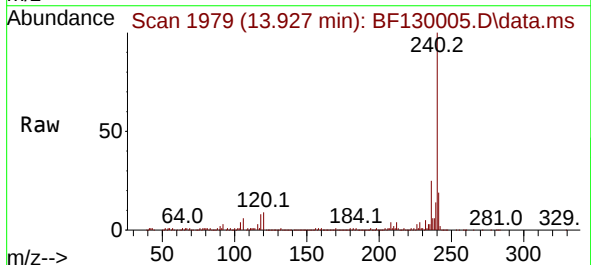
Instrument :
BNA_F
ClientSampleId :
11985

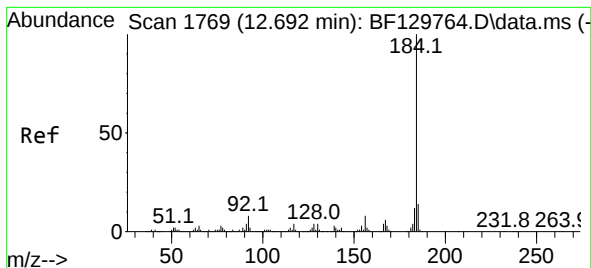
Tgt Ion:202 Resp: 118794
Ion Ratio Lower Upper
202 100
101 11.4 0.0 30.7
203 18.8 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.927 min Scan# 1979
Delta R.T. 0.000 min
Lab File: BF130005.D
Acq: 25 Aug 2022 18:19

Tgt Ion:240 Resp: 249877
Ion Ratio Lower Upper
240 100
120 9.5 9.2 13.8
236 25.2 20.7 31.1





#77

Benzidine

Concen: Below Cal

RT: 12.857 min Scan# 11

Delta R.T. 0.235 min

Lab File: BF130005.D

Acq: 25 Aug 2022 18:19

Instrument :

BNA_F

ClientSampleId :

11985

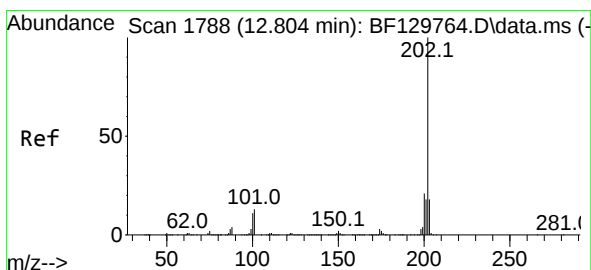
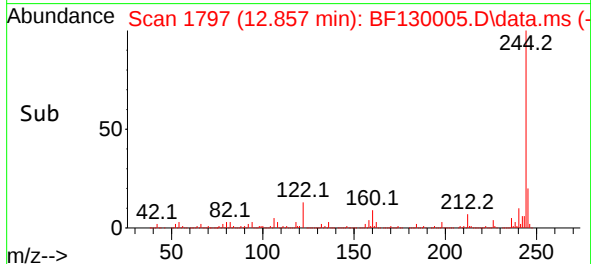
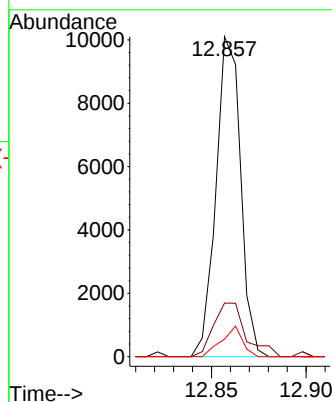
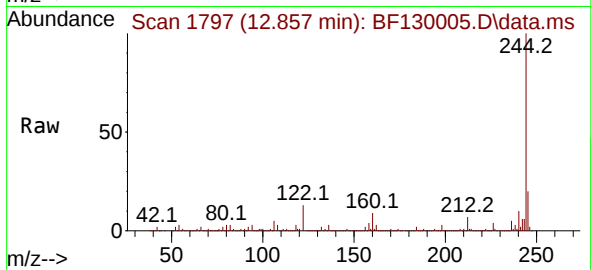
Tgt Ion:184 Resp: 9131

Ion Ratio Lower Upper

184 100

185 16.8 11.4 17.2

183 5.5 9.4 14.2#



#78

Pyrene

Concen: 5.192 ng

RT: 12.727 min Scan# 1775

Delta R.T. 0.000 min

Lab File: BF130005.D

Acq: 25 Aug 2022 18:19

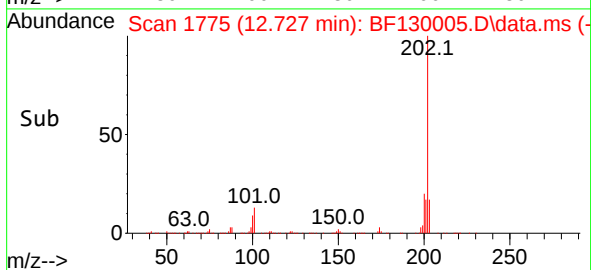
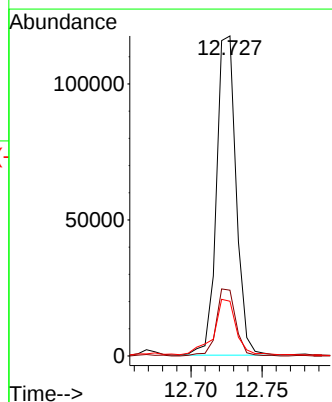
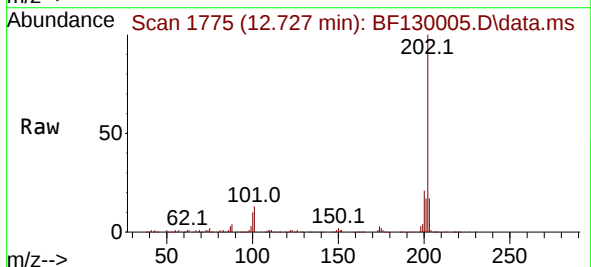
Tgt Ion:202 Resp: 112730

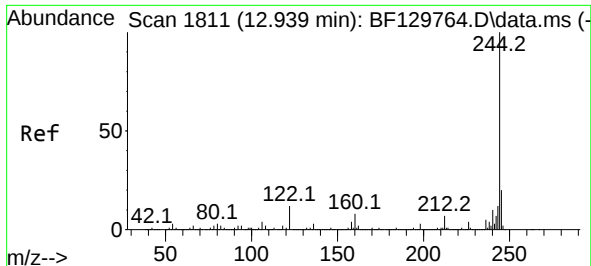
Ion Ratio Lower Upper

202 100

200 20.5 17.0 25.6

203 17.1 14.1 21.1

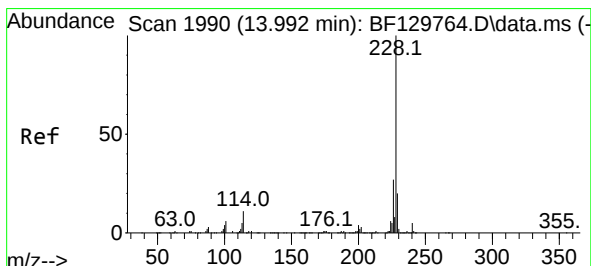
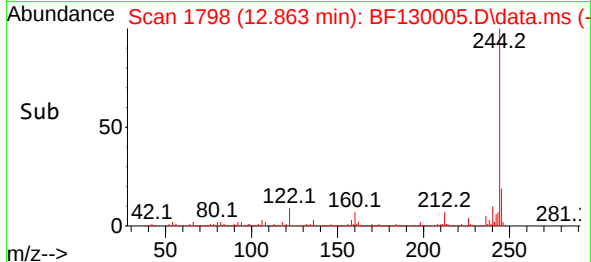
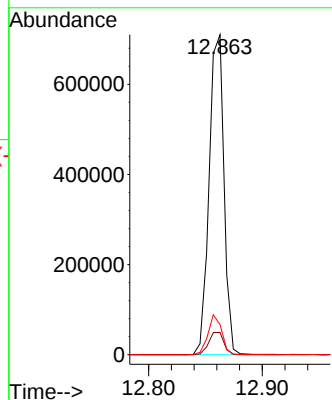
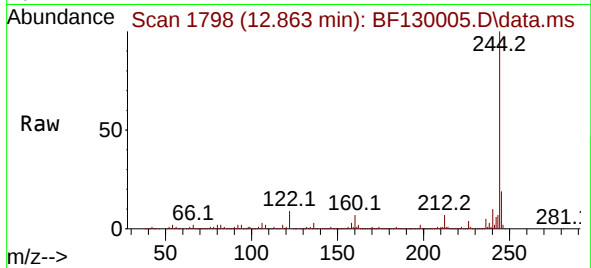




#79
 Terphenyl-d14
 Concen: 42.903 ng
 RT: 12.863 min Scan# 11985
 Delta R.T. 0.000 min
 Lab File: BF130005.D
 Acq: 25 Aug 2022 18:19

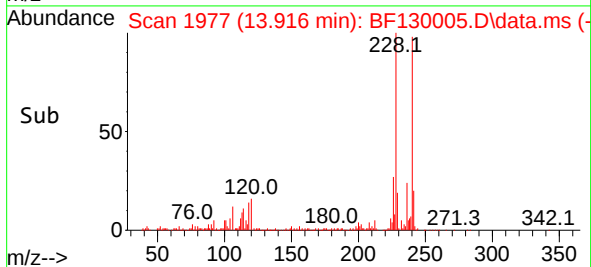
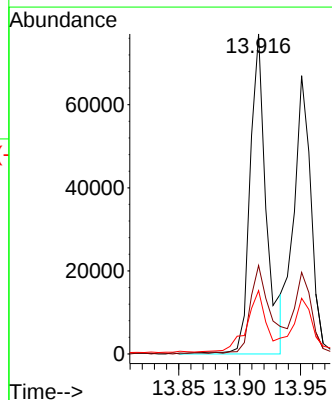
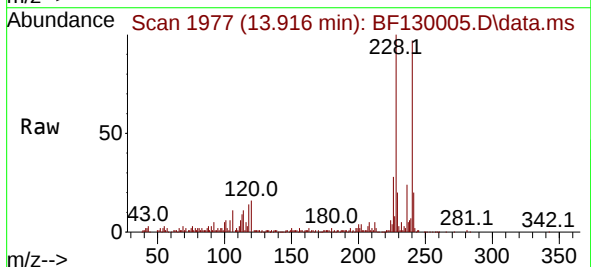
Instrument :
 BNA_F
 ClientSampleId :
 11985

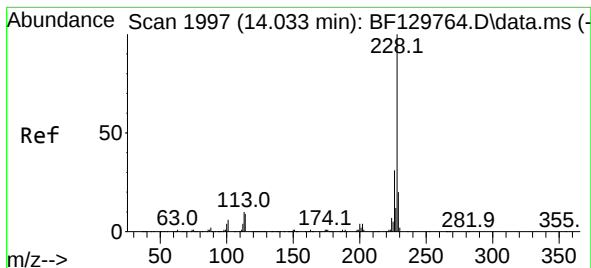
Tgt Ion:244 Resp: 644277
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.9 8.9
 122 9.4 9.9 14.9#



#81
 Benzo(a)anthracene
 Concen: 4.184 ng
 RT: 13.916 min Scan# 1977
 Delta R.T. 0.000 min
 Lab File: BF130005.D
 Acq: 25 Aug 2022 18:19

Tgt Ion:228 Resp: 71913
 Ion Ratio Lower Upper
 228 100
 226 27.6 21.4 32.0
 229 19.8 16.1 24.1





#83

Chrysene

Concen: 4.066 ng

RT: 13.951 min Scan# 11985

Delta R.T. 0.000 min

Lab File: BF130005.D

Acq: 25 Aug 2022 18:19

Instrument :

BNA_F

ClientSampleId :

11985

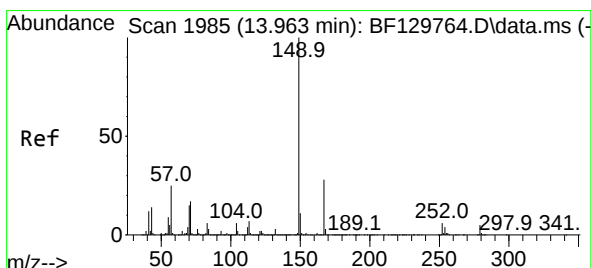
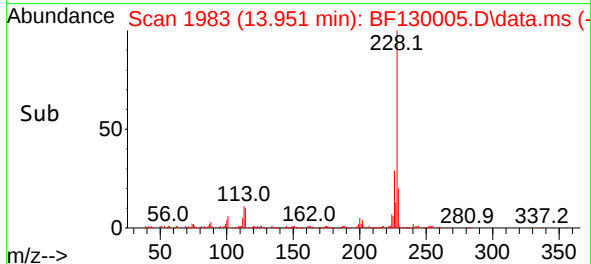
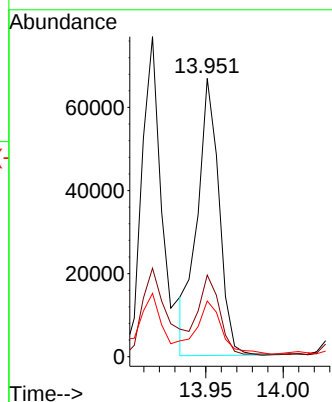
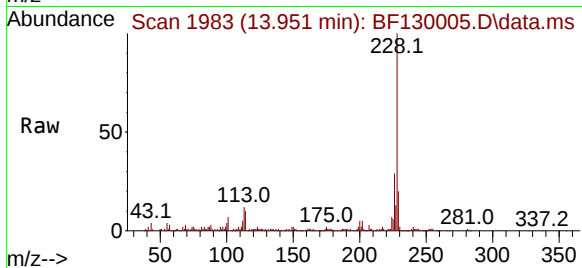
Tgt Ion:228 Resp: 65427

Ion Ratio Lower Upper

228 100

226 29.4 24.4 36.6

229 20.0 15.9 23.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.303 ng

RT: 13.886 min Scan# 1972

Delta R.T. 0.000 min

Lab File: BF130005.D

Acq: 25 Aug 2022 18:19

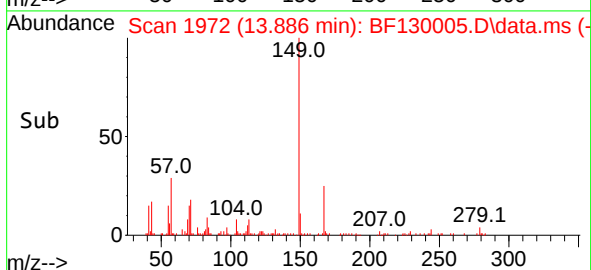
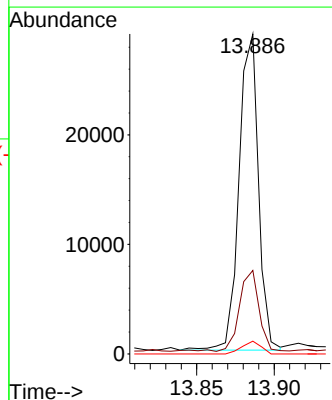
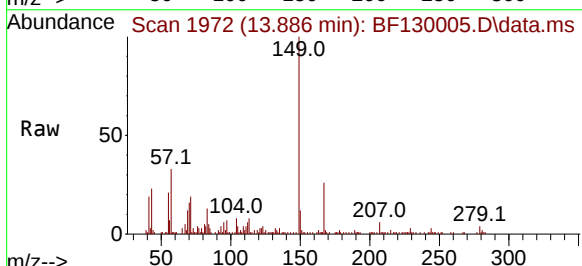
Tgt Ion:149 Resp: 25104

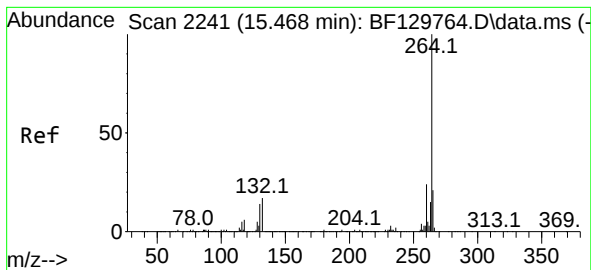
Ion Ratio Lower Upper

149 100

167 26.1 22.0 33.0

279 4.0 3.6 5.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.374 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF130005.D

Acq: 25 Aug 2022 18:19

Instrument :

BNA_F

ClientSampleId :

11985

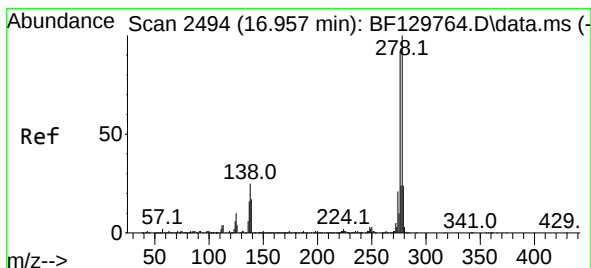
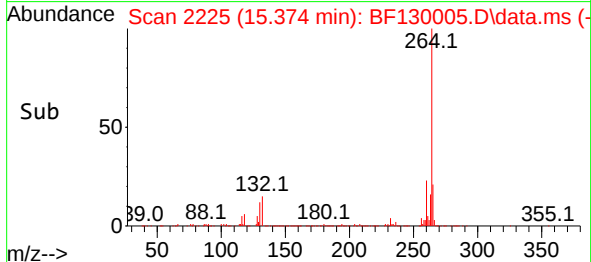
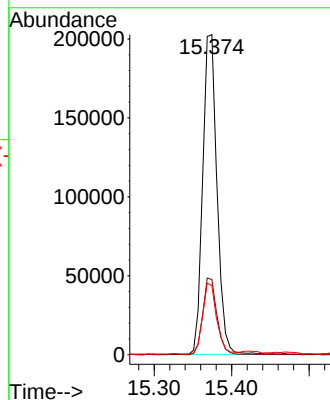
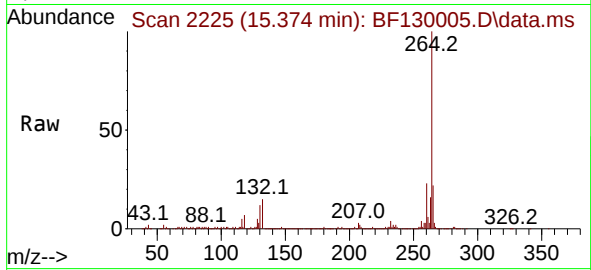
Tgt Ion:264 Resp: 259871

Ion Ratio Lower Upper

264 100

260 23.5 19.1 28.7

265 21.5 16.7 25.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.331 ng

RT: 16.821 min Scan# 2471

Delta R.T. 0.006 min

Lab File: BF130005.D

Acq: 25 Aug 2022 18:19

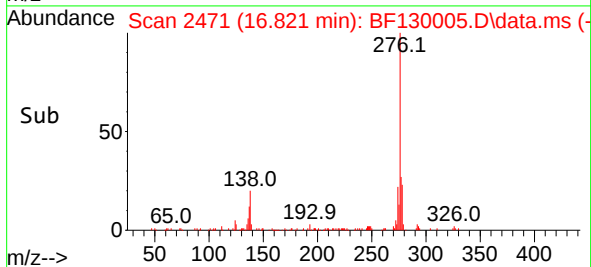
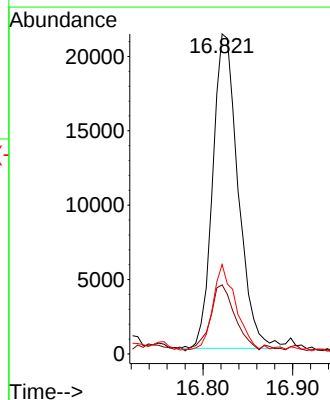
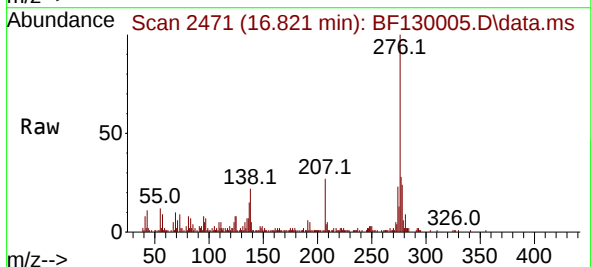
Tgt Ion:276 Resp: 41579

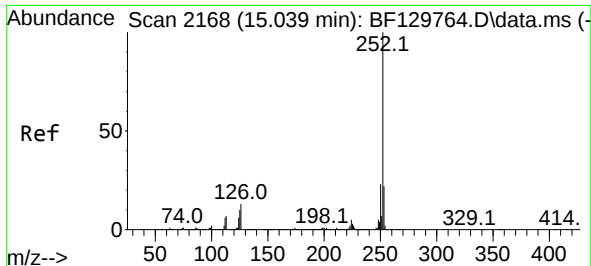
Ion Ratio Lower Upper

276 100

138 20.8 19.8 29.8

277 24.1 20.4 30.6

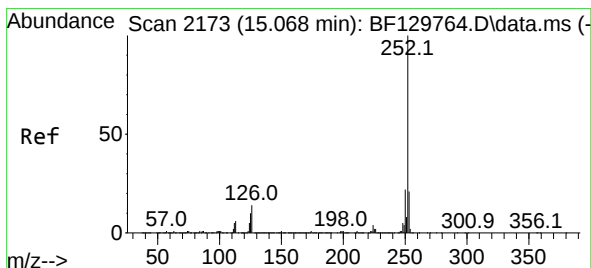
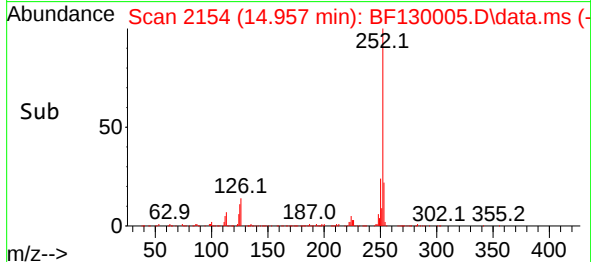
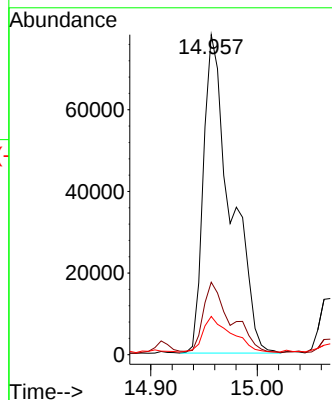
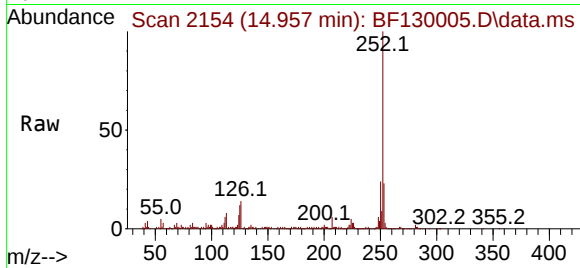




#88
Benzo(b)fluoranthene
Concen: 7.830 ng
RT: 14.957 min Scan# 2154
Delta R.T. 0.006 min
Lab File: BF130005.D
Acq: 25 Aug 2022 18:19

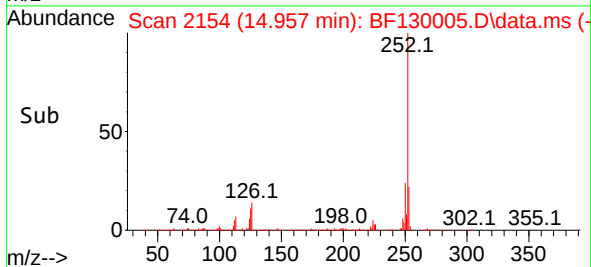
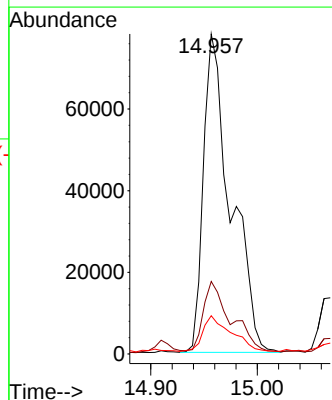
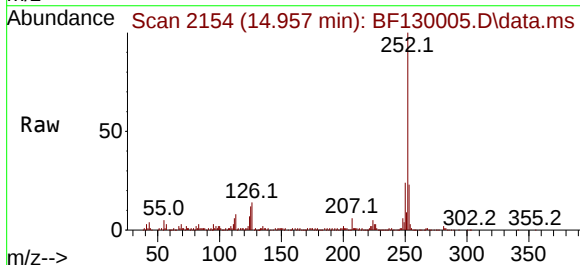
Instrument :
BNA_F
ClientSampleId :
11985

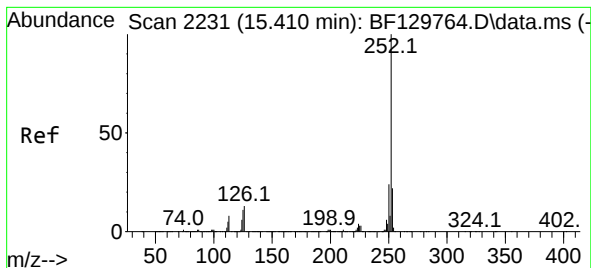
Tgt Ion:252 Resp: 139335
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 11.9 8.3 12.5



#89
Benzo(k)fluoranthene
Concen: 8.165 ng
RT: 14.957 min Scan# 2154
Delta R.T. -0.023 min
Lab File: BF130005.D
Acq: 25 Aug 2022 18:19

Tgt Ion:252 Resp: 139335
Ion Ratio Lower Upper
252 100
253 22.7 17.1 25.7
125 11.9 8.3 12.5





#90

Benzo(a)pyrene

Concen: 5.035 ng

RT: 15.316 min Scan# 2115

Delta R.T. 0.006 min

Lab File: BF130005.D

Acq: 25 Aug 2022 18:19

Instrument :

BNA_F

ClientSampleId :

11985

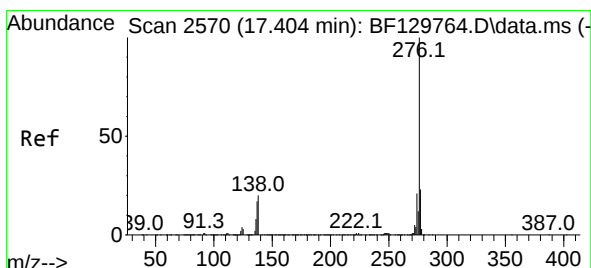
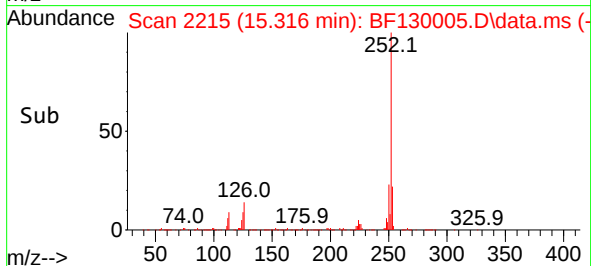
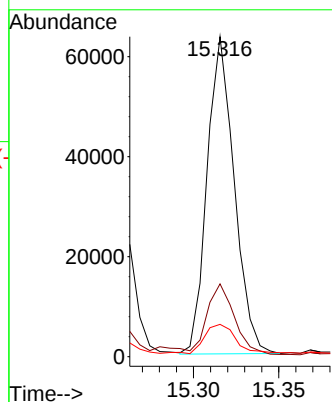
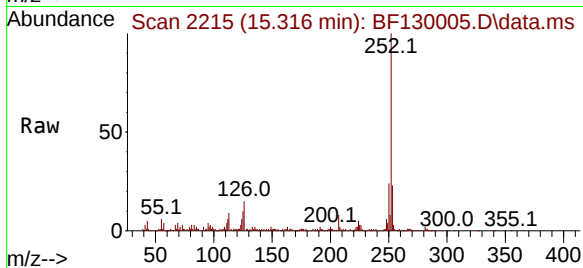
Tgt Ion:252 Resp: 70551

Ion Ratio Lower Upper

252 100

253 22.7 17.2 25.8

125 10.1 8.8 13.2



#92

Benzo(g,h,i)perylene

Concen: 2.672 ng

RT: 17.262 min Scan# 2546

Delta R.T. 0.018 min

Lab File: BF130005.D

Acq: 25 Aug 2022 18:19

Tgt Ion:276 Resp: 39240

Ion Ratio Lower Upper

276 100

277 23.9 18.2 27.4

138 20.6 15.8 23.8

