

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
 Data File : BF135124.D
 Acq On : 06 Sep 2023 07:39
 Operator : CG\JU
 Sample : 04249-01 2X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-083023

Quant Time: Sep 06 07:57:34 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 31 03:48:08 2023
 Response via : Initial Calibration

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

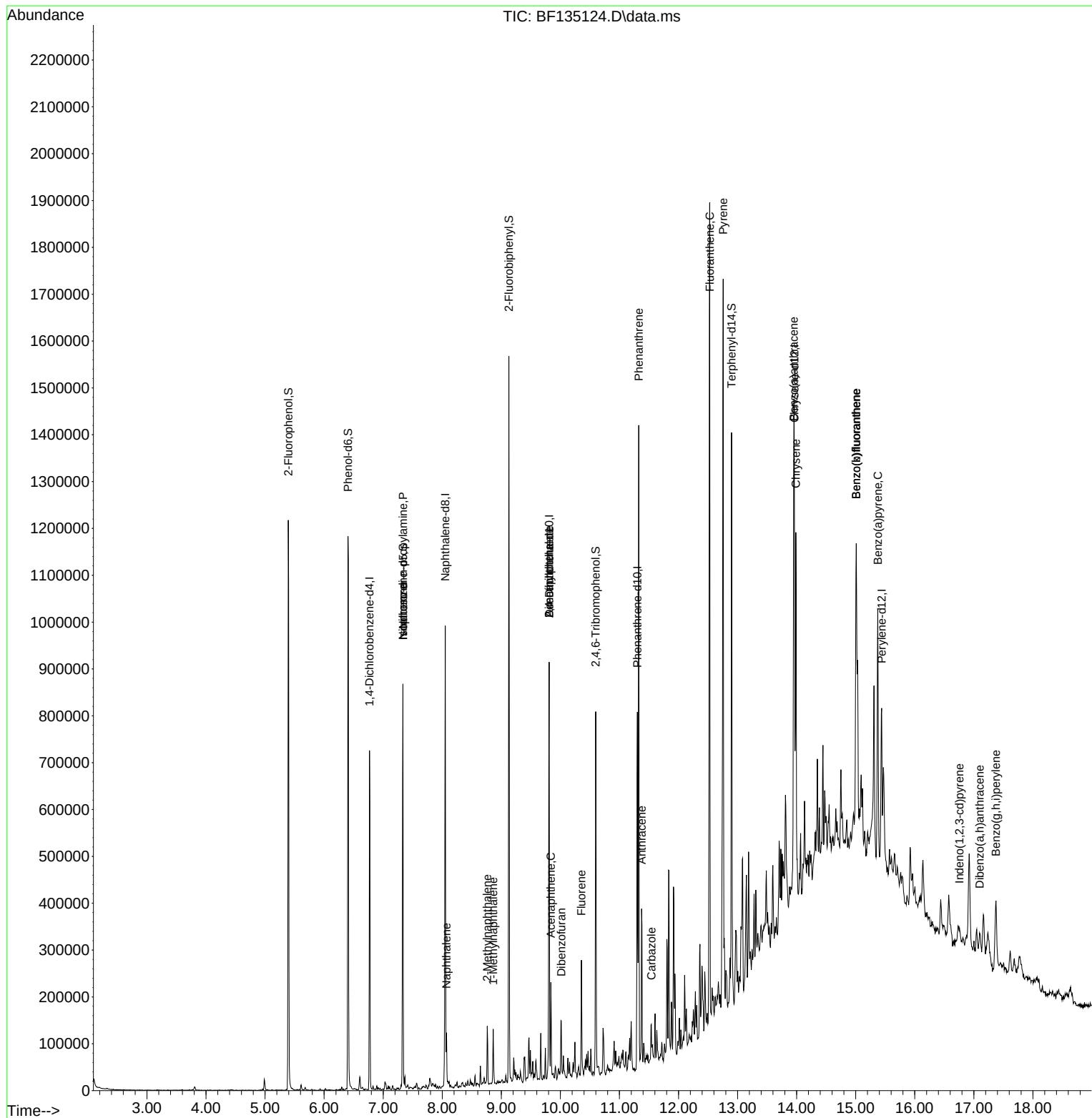
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.769	152	102181	20.000	ng	0.00
21) Naphthalene-d8	8.051	136	391130	20.000	ng	0.00
39) Acenaphthene-d10	9.810	164	172649	20.000	ng	0.00
64) Phenanthrene-d10	11.304	188	278493	20.000	ng	0.00
76) Chrysene-d12	13.963	240	185267	20.000	ng	0.00
86) Perylene-d12	15.439	264	159367	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	324857	49.107	ng	0.00
7) Phenol-d6	6.404	99	398716	48.355	ng	-0.01
23) Nitrobenzene-d5	7.334	82	244988	35.189	ng	-0.01
42) 2,4,6-Tribromophenol	10.598	330	82085	44.820	ng	-0.01
45) 2-Fluorobiphenyl	9.128	172	418251	39.442	ng	-0.01
79) Terphenyl-d14	12.898	244	390027	34.355	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.334	70	32408	6.617	ng	# 76
25) Isophorone	7.334	82	245019	18.562	ng	# 65
31) Naphthalene	8.069	128	44923	2.351	ng	99
37) 2-Methylnaphthalene	8.763	142	30806	2.416	ng	99
38) 1-Methylnaphthalene	8.863	142	26766	2.244	ng	100
50) Dimethylphthalate	9.810	163	35667	2.950	ng	# 1
52) Acenaphthene	9.839	154	36110	3.779	ng	99
55) Dibenzofuran	10.016	168	34676	2.516	ng	98
57) 2,4-Dinitrotoluene	9.810	165	23369	7.069	ng	# 20
58) Fluorene	10.357	166	61049	5.809	ng	99
69) Atrazine	11.022	200	95	Below Cal		# 17
71) Phenanthrene	11.327	178	450360	31.346	ng	99
72) Anthracene	11.374	178	127436	8.681	ng	97
73) Carbazole	11.539	167	30351	2.397	ng	96
75) Fluoranthene	12.527	202	705684	48.580	ng	98
78) Pyrene	12.757	202	667574	37.951	ng	100
81) Benzo(a)anthracene	13.951	228	371775	29.418	ng	94
83) Chrysene	13.986	228	313905	25.274	ng	98
87) Indeno(1,2,3-cd)pyrene	16.756	276	25376	2.364	ng	97
88) Benzo(b)fluoranthene	15.010	252	458449	46.233	ng	97
89) Benzo(k)fluoranthene	15.010	252	458449	47.856	ng	97
90) Benzo(a)pyrene	15.374	252	238685	25.911	ng	98
91) Dibenzo(a,h)anthracene	17.098	278	32361	3.722	ng	98
92) Benzo(g,h,i)perylene	17.374	276	122889	13.590	ng	99

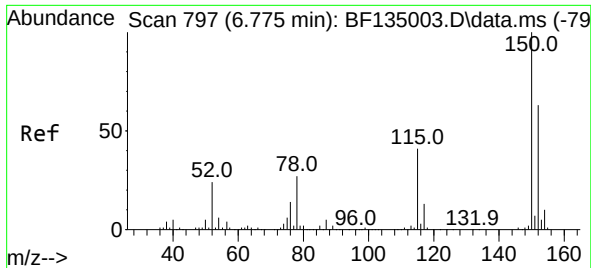
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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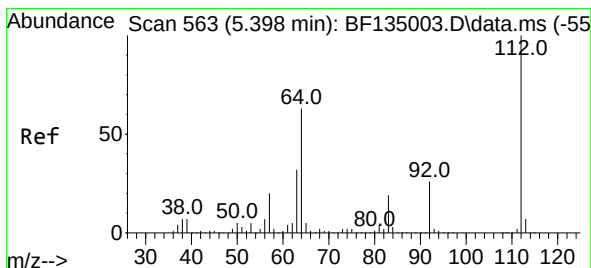
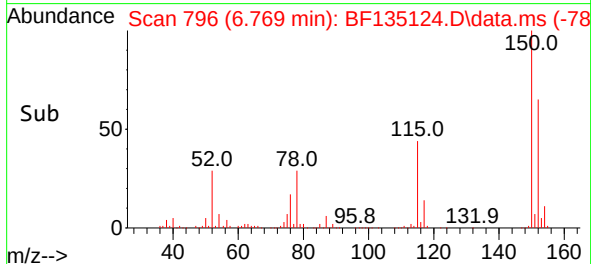
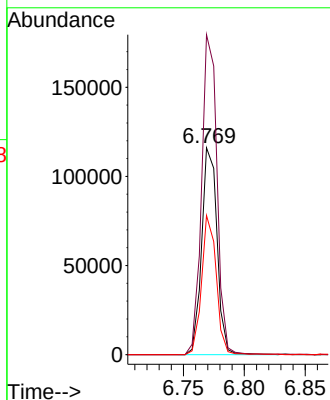
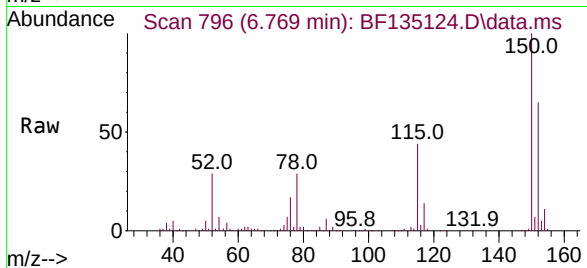




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.769 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF135124.D
Acq: 06 Sep 2023 07:39

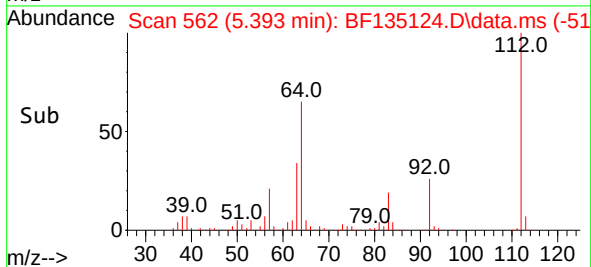
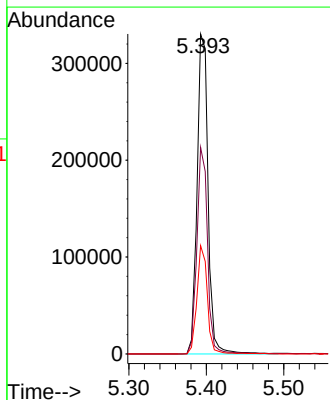
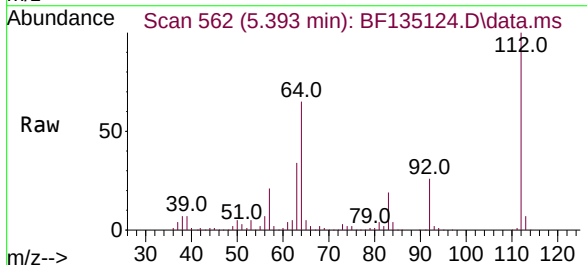
Instrument :
BNA_F
ClientSampleId :
SU-02-083023

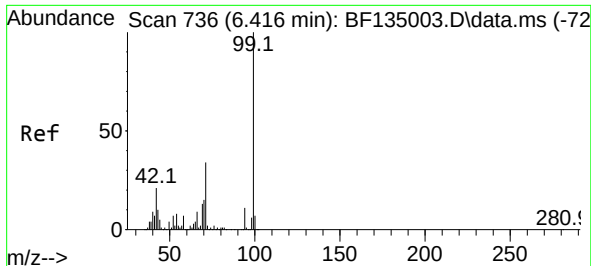
Tgt Ion:152 Resp: 102181
Ion Ratio Lower Upper
152 100
150 154.8 126.2 189.4
115 67.3 51.2 76.8



#5
2-Fluorophenol
Concen: 49.107 ng
RT: 5.393 min Scan# 562
Delta R.T. -0.006 min
Lab File: BF135124.D
Acq: 06 Sep 2023 07:39

Tgt Ion:112 Resp: 324857
Ion Ratio Lower Upper
112 100
64 64.5 50.5 75.7
63 33.8 25.9 38.9





#7

Phenol-d6

Concen: 48.355 ng

RT: 6.404 min Scan# 736

Delta R.T. -0.012 min

Lab File: BF135124.D

Acq: 06 Sep 2023 07:39

Instrument :

BNA_F

ClientSampleId :

SU-02-083023

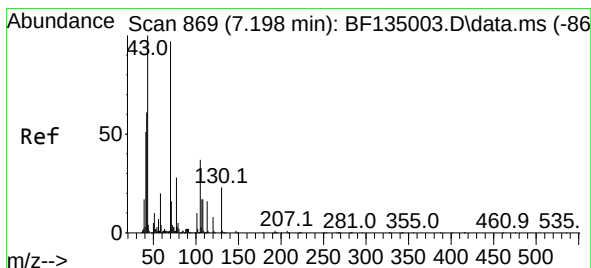
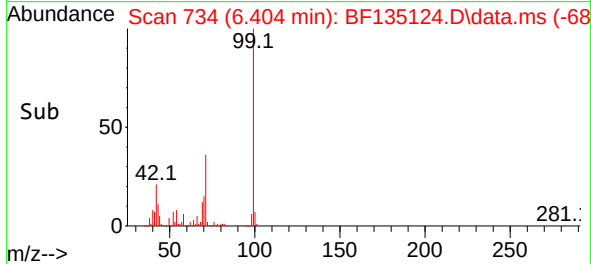
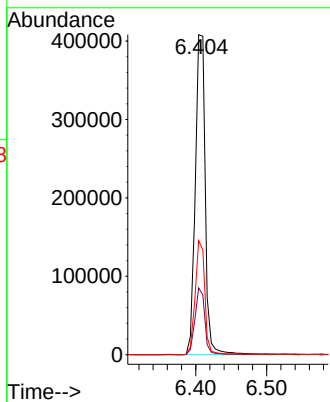
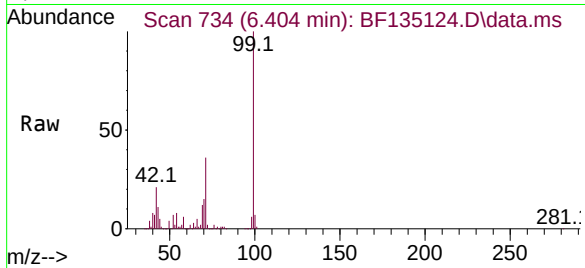
Tgt Ion: 99 Resp: 398716

Ion Ratio Lower Upper

99 100

42 20.8 16.6 25.0

71 35.6 27.0 40.6



#19

n-Nitroso-di-n-propylamine

Concen: 6.617 ng

RT: 7.334 min Scan# 892

Delta R.T. 0.135 min

Lab File: BF135124.D

Acq: 06 Sep 2023 07:39

Tgt Ion: 70 Resp: 32408

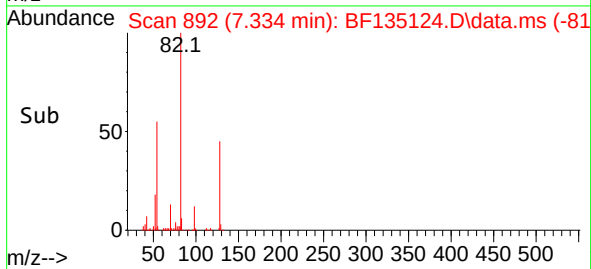
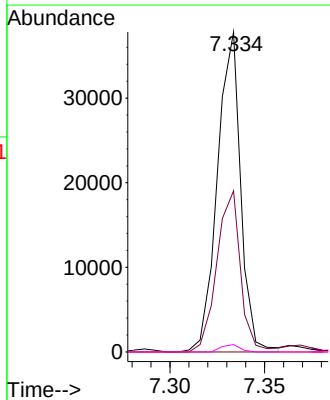
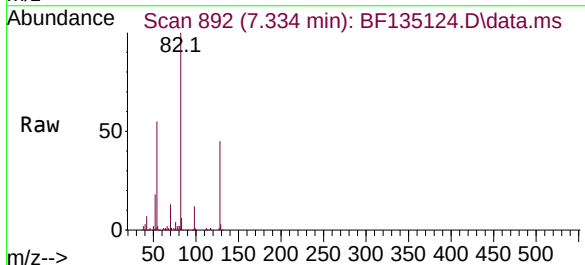
Ion Ratio Lower Upper

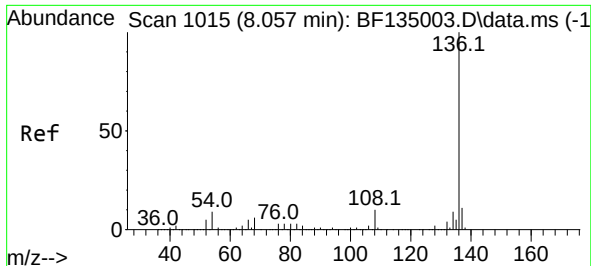
70 100

42 50.3 50.2 75.4

101 0.0 8.1 12.1#

130 2.3 19.3 28.9#

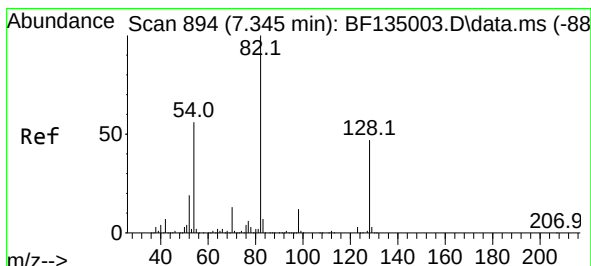
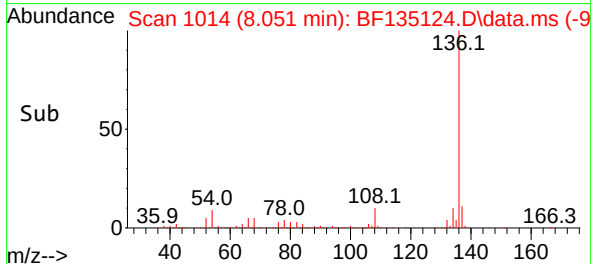
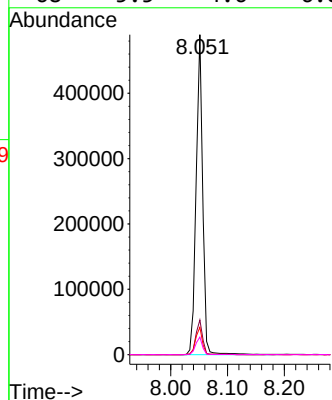
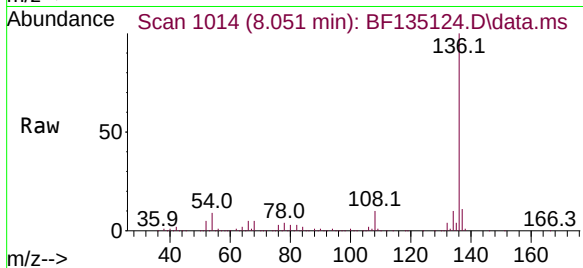




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.051 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF135124.D
Acq: 06 Sep 2023 07:39

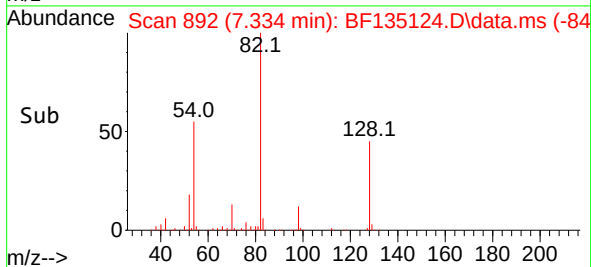
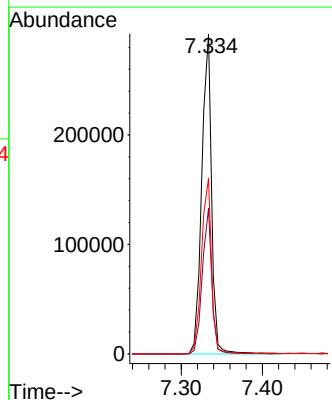
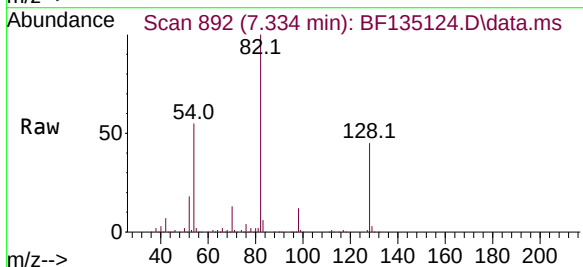
Instrument :
BNA_F
ClientSampleId :
SU-02-083023

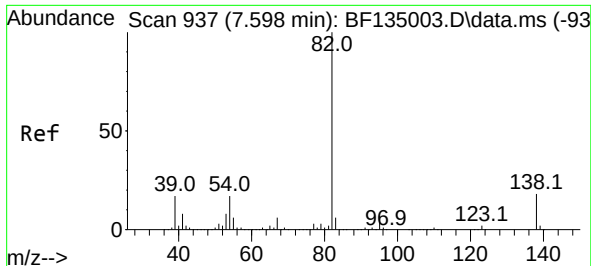
Tgt Ion:	136	Resp:	391130
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	8.5	7.0	10.4
68	5.5	4.6	6.8



#23
Nitrobenzene-d5
Concen: 35.189 ng
RT: 7.334 min Scan# 892
Delta R.T. -0.012 min
Lab File: BF135124.D
Acq: 06 Sep 2023 07:39

Tgt Ion:	82	Resp:	244988
Ion	Ratio	Lower	Upper
82	100		
128	45.4	37.8	56.8
54	54.8	45.0	67.6

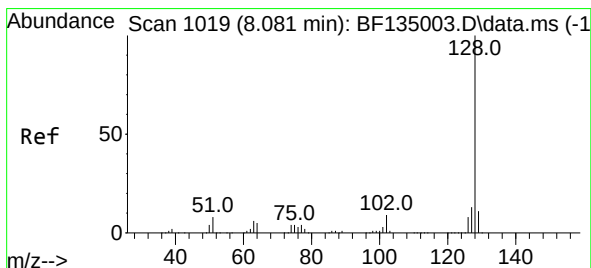
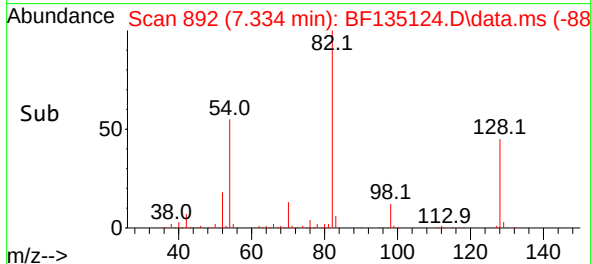
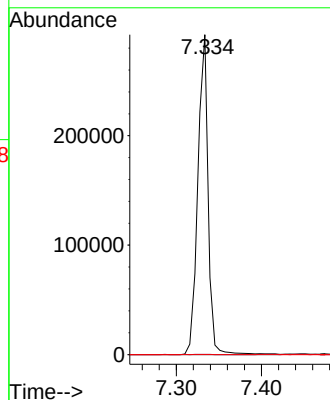
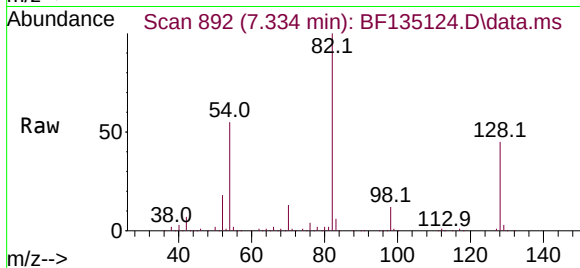




#25
Isophorone
Concen: 18.562 ng
RT: 7.334 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF135124.D
Acq: 06 Sep 2023 07:39

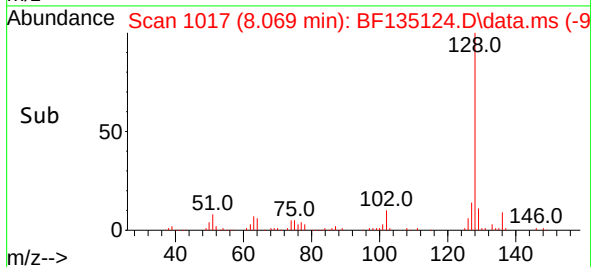
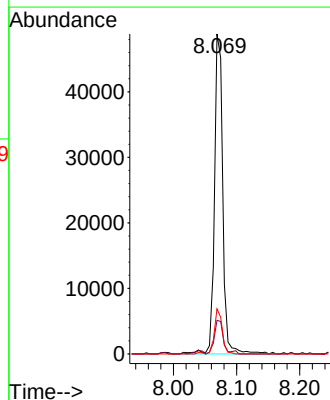
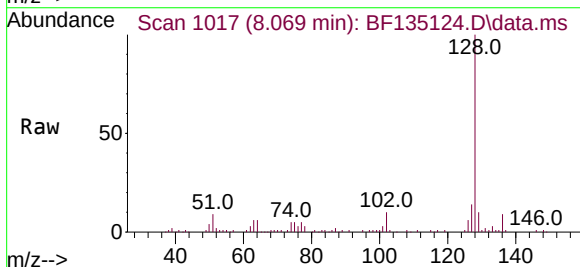
Instrument :
BNA_F
ClientSampleId :
SU-02-083023

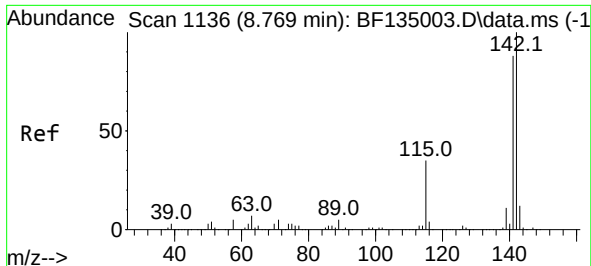
Tgt Ion: 82 Resp: 245019
Ion Ratio Lower Upper
82 100
95 0.1 5.6 8.4#
138 0.0 14.7 22.1#



#31
Naphthalene
Concen: 2.351 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF135124.D
Acq: 06 Sep 2023 07:39

Tgt Ion: 128 Resp: 44923
Ion Ratio Lower Upper
128 100
129 10.5 8.6 13.0
127 14.1 10.6 16.0





#37

2-Methylnaphthalene

Concen: 2.416 ng

RT: 8.763 min Scan# 1135

Delta R.T. -0.006 min

Lab File: BF135124.D

Acq: 06 Sep 2023 07:39

Instrument :

BNA_F

ClientSampleId :

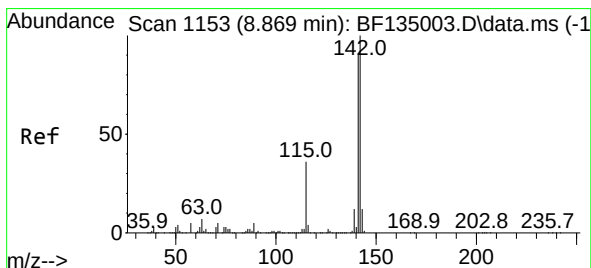
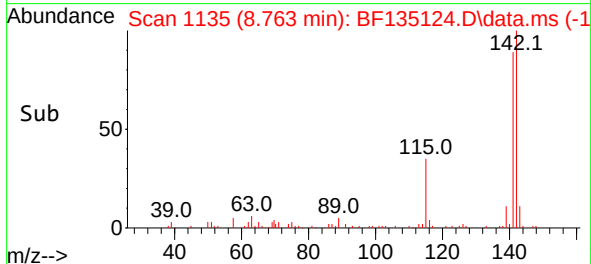
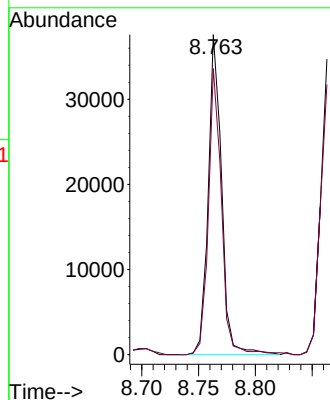
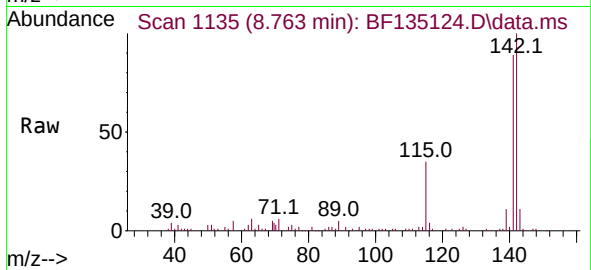
SU-02-083023

Tgt Ion:142 Resp: 30806

Ion Ratio Lower Upper

142 100

141 89.4 70.7 106.1



#38

1-Methylnaphthalene

Concen: 2.244 ng

RT: 8.863 min Scan# 1152

Delta R.T. -0.006 min

Lab File: BF135124.D

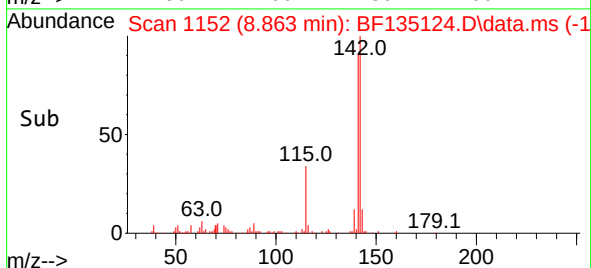
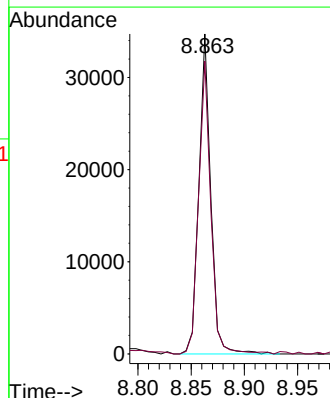
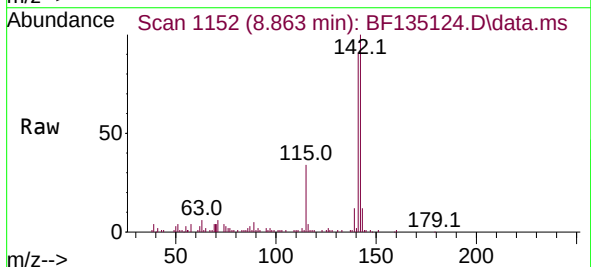
Acq: 06 Sep 2023 07:39

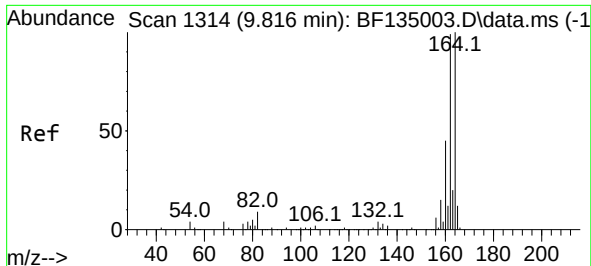
Tgt Ion:142 Resp: 26766

Ion Ratio Lower Upper

142 100

141 91.5 73.0 109.4

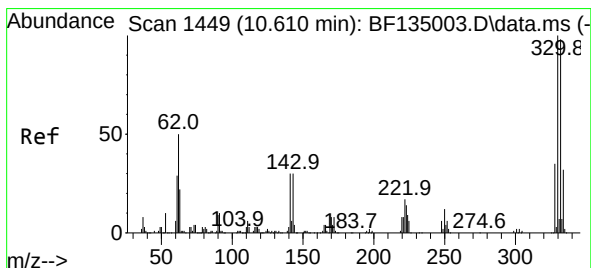
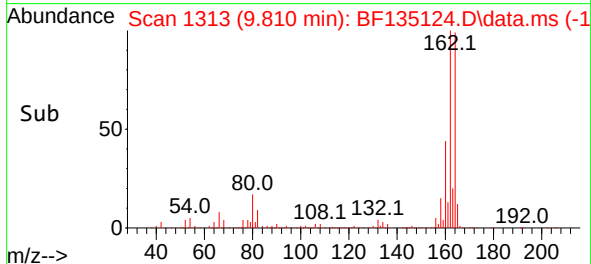
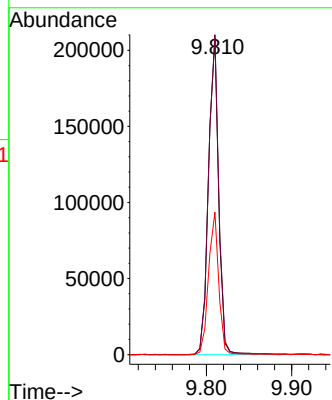
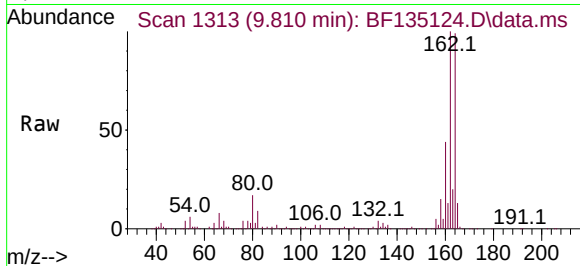




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1314
Delta R.T. -0.006 min
Lab File: BF135124.D
Acq: 06 Sep 2023 07:39

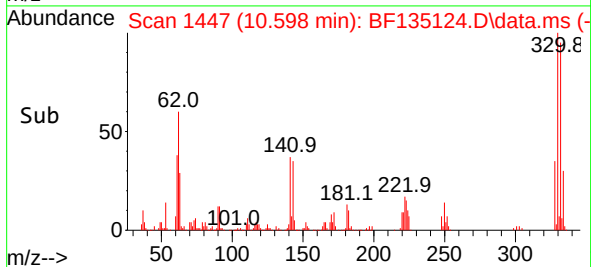
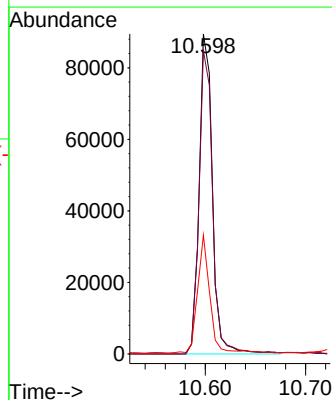
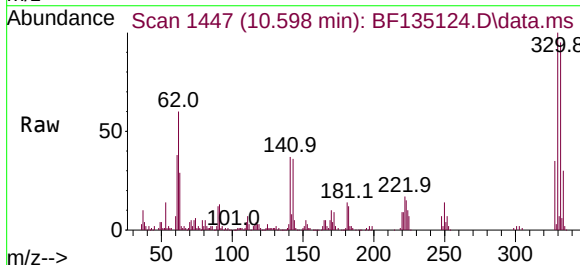
Instrument :
BNA_F
ClientSampleId :
SU-02-083023

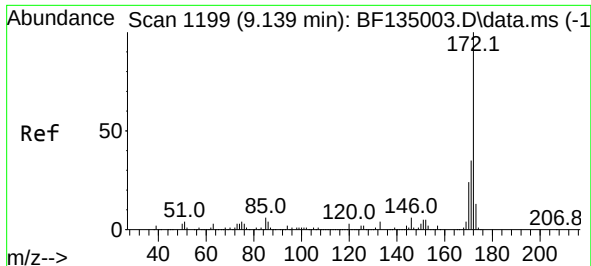
Tgt Ion:164 Resp: 172649
Ion Ratio Lower Upper
164 100
162 101.1 79.5 119.3
160 45.0 36.0 54.0



#42
2,4,6-Tribromophenol
Concen: 44.820 ng
RT: 10.598 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF135124.D
Acq: 06 Sep 2023 07:39

Tgt Ion:330 Resp: 82085
Ion Ratio Lower Upper
330 100
332 96.5 77.6 116.4
141 33.9 26.3 39.5

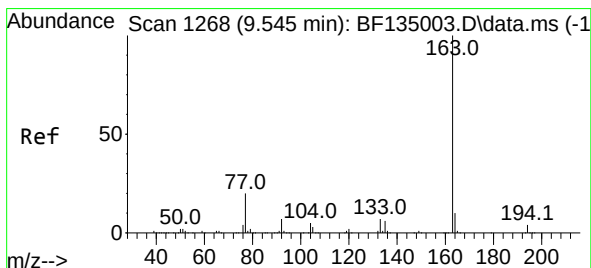
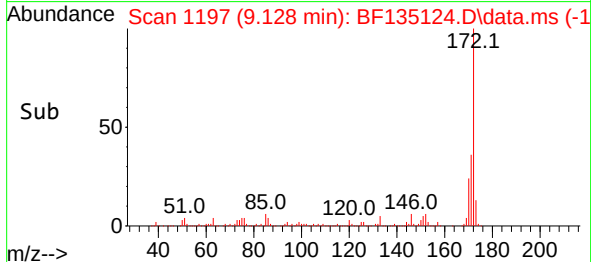
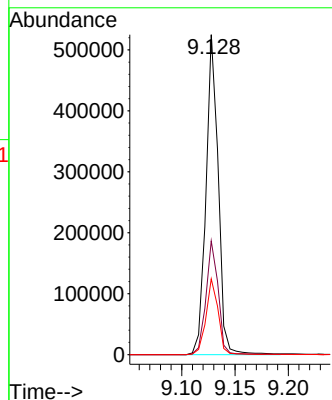
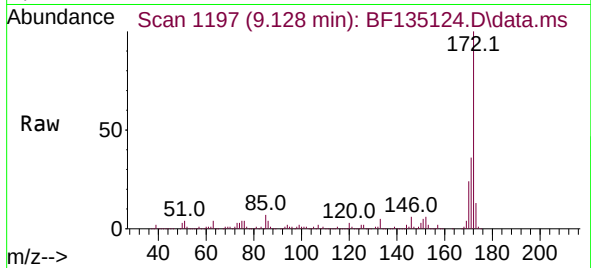




#45
2-Fluorobiphenyl
Concen: 39.442 ng
RT: 9.128 min Scan# 1199
Delta R.T. -0.012 min
Lab File: BF135124.D
Acq: 06 Sep 2023 07:39

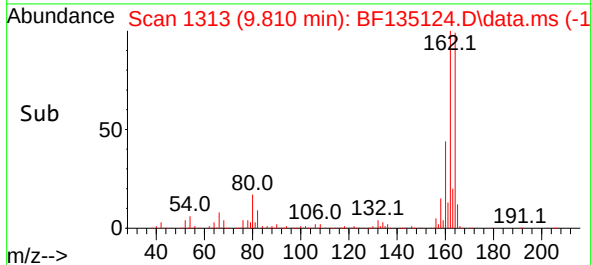
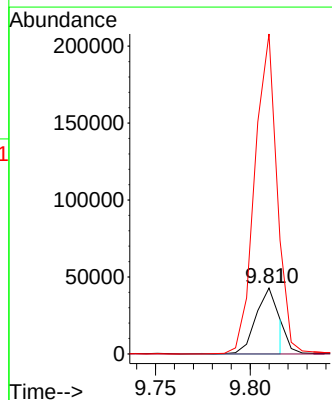
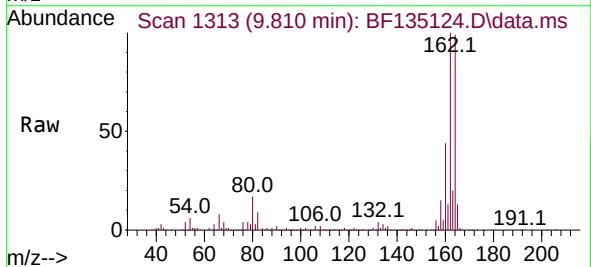
Instrument :
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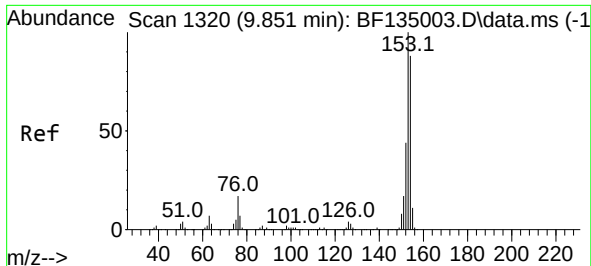
Tgt Ion:172 Resp: 418251
Ion Ratio Lower Upper
172 100
171 35.5 28.2 42.2
170 23.7 19.0 28.4



#50
Dimethylphthalate
Concen: 2.950 ng
RT: 9.810 min Scan# 1313
Delta R.T. 0.265 min
Lab File: BF135124.D
Acq: 06 Sep 2023 07:39

Tgt Ion:163 Resp: 35667
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 486.3 8.1 12.1#

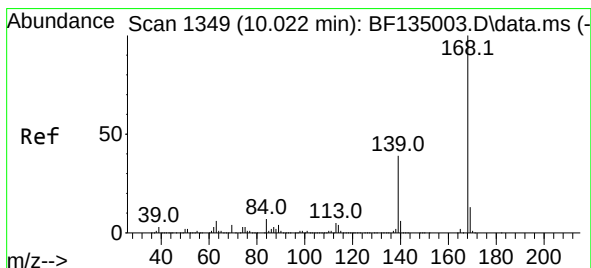
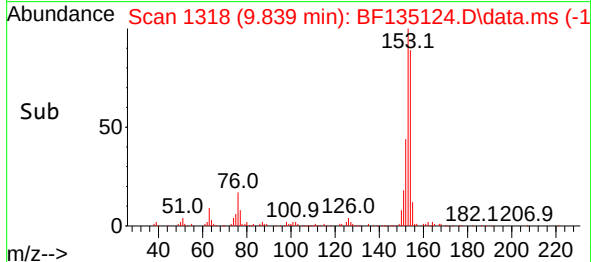
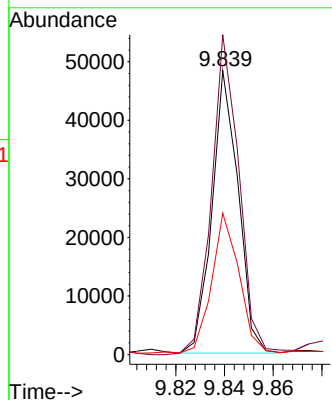
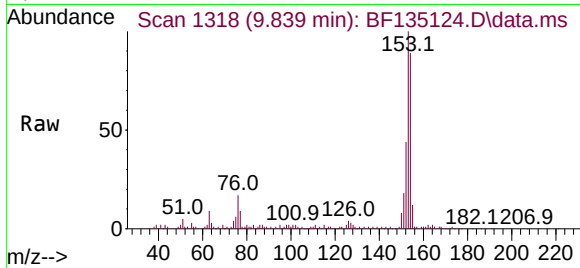




#52
Acenaphthene
Concen: 3.779 ng
RT: 9.839 min Scan# 1318
Delta R.T. -0.012 min
Lab File: BF135124.D
Acq: 06 Sep 2023 07:39

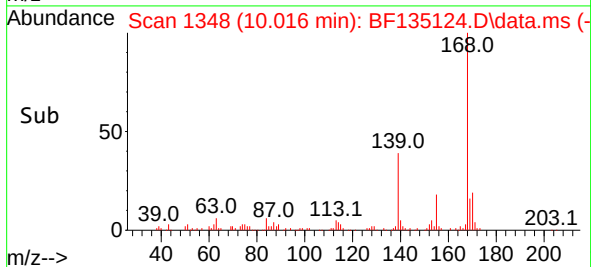
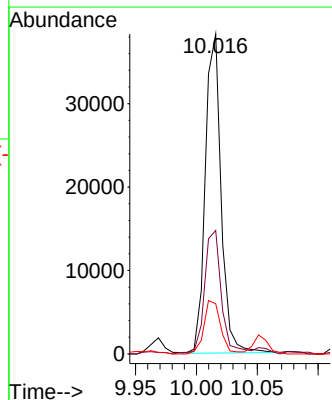
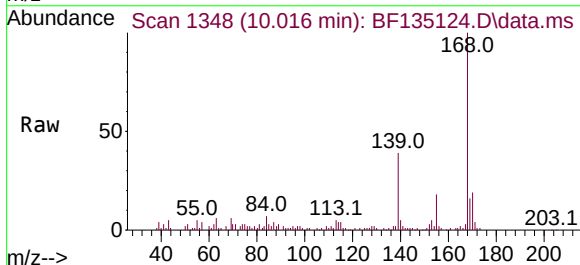
Instrument :
BNA_F
ClientSampleId :
SU-02-083023

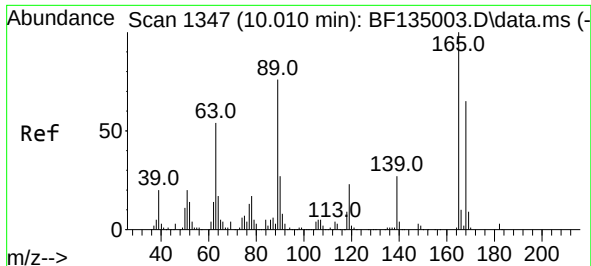
Tgt Ion:154 Resp: 36110
Ion Ratio Lower Upper
154 100
153 112.7 90.8 136.2
152 49.8 40.2 60.4



#55
Dibenzofuran
Concen: 2.516 ng
RT: 10.016 min Scan# 1348
Delta R.T. -0.006 min
Lab File: BF135124.D
Acq: 06 Sep 2023 07:39

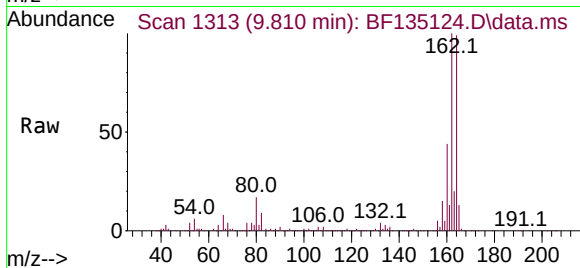
Tgt Ion:168 Resp: 34676
Ion Ratio Lower Upper
168 100
139 38.6 31.5 47.3
169 15.7 10.7 16.1



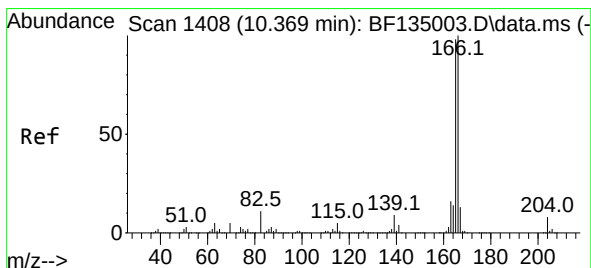
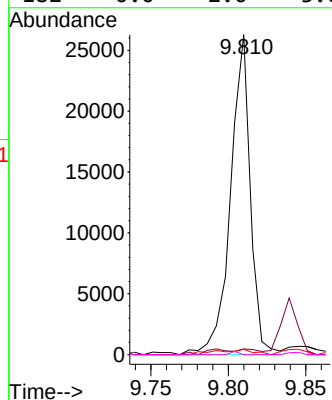
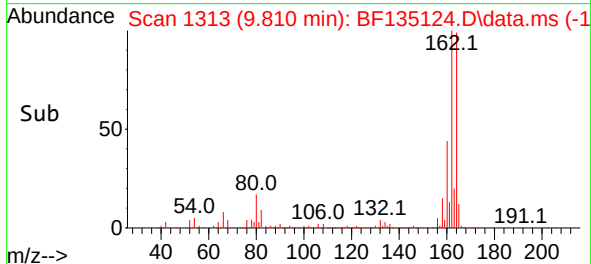


#57
2,4-Dinitrotoluene
Concen: 7.069 ng
RT: 9.810 min Scan# 1347
Delta R.T. -0.200 min
Lab File: BF135124.D
Acq: 06 Sep 2023 07:39

Instrument :
BNA_F
ClientSampleId :
SU-02-083023

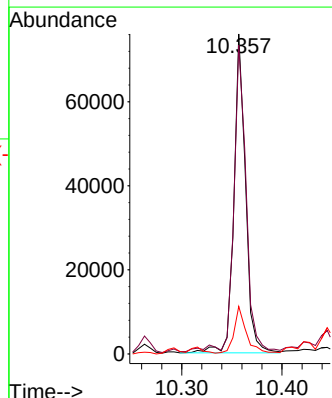
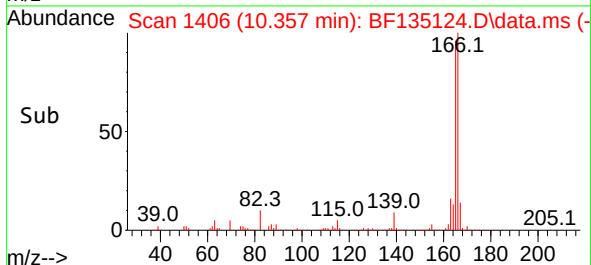
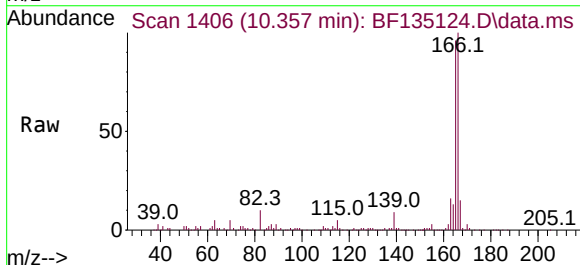


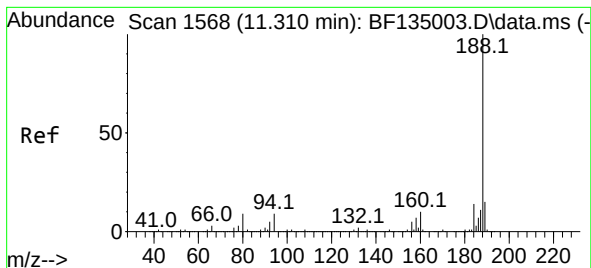
Tgt Ion:165 Resp: 23369
Ion Ratio Lower Upper
165 100
63 1.8 43.2 64.8#
89 1.6 60.8 91.2#
182 0.0 2.0 3.0#



#58
Fluorene
Concen: 5.809 ng
RT: 10.357 min Scan# 1406
Delta R.T. -0.012 min
Lab File: BF135124.D
Acq: 06 Sep 2023 07:39

Tgt Ion:166 Resp: 61049
Ion Ratio Lower Upper
166 100
165 96.5 78.0 117.0
167 14.9 10.8 16.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.304 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF135124.D

Acq: 06 Sep 2023 07:39

Instrument :

BNA_F

ClientSampleId :

SU-02-083023

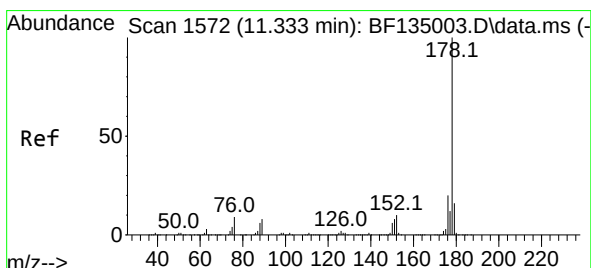
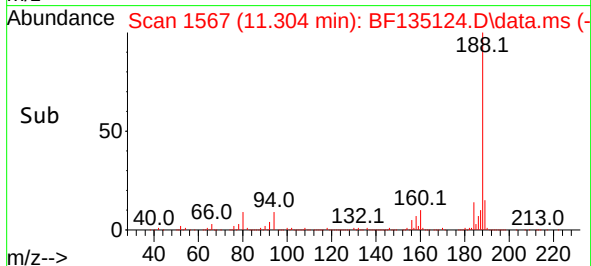
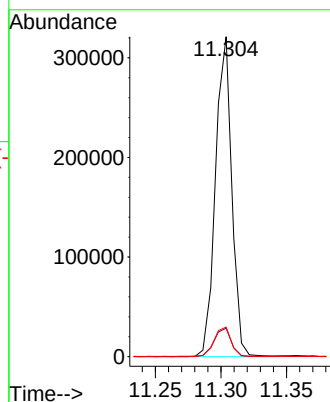
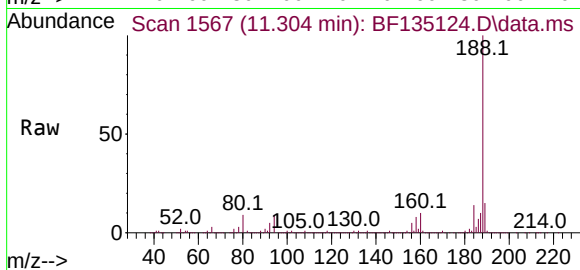
Tgt Ion:188 Resp: 278493

Ion Ratio Lower Upper

188 100

94 8.9 7.0 10.4

80 9.2 7.4 11.2



#71

Phenanthrene

Concen: 31.346 ng

RT: 11.327 min Scan# 1571

Delta R.T. -0.006 min

Lab File: BF135124.D

Acq: 06 Sep 2023 07:39

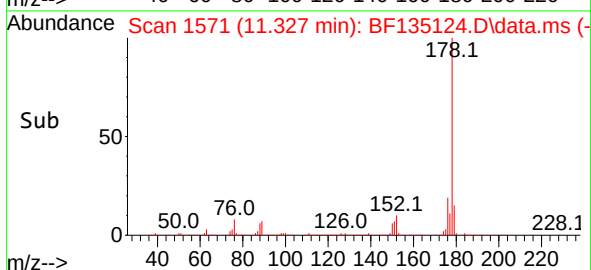
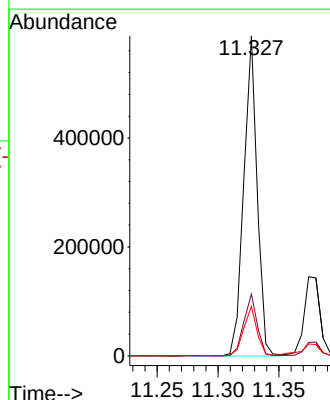
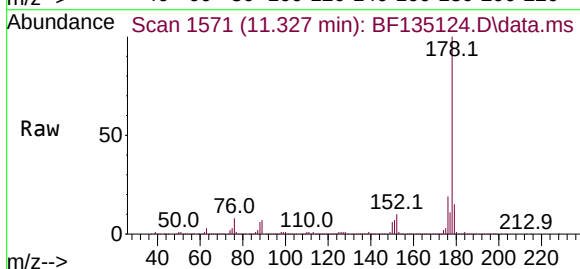
Tgt Ion:178 Resp: 450360

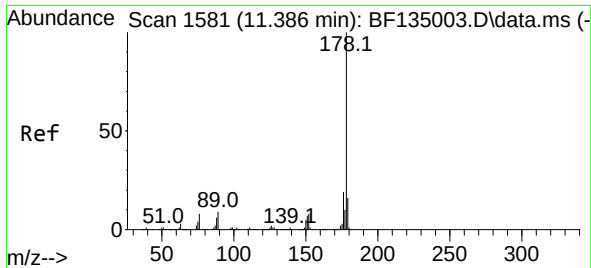
Ion Ratio Lower Upper

178 100

176 19.3 15.9 23.9

179 15.5 12.5 18.7

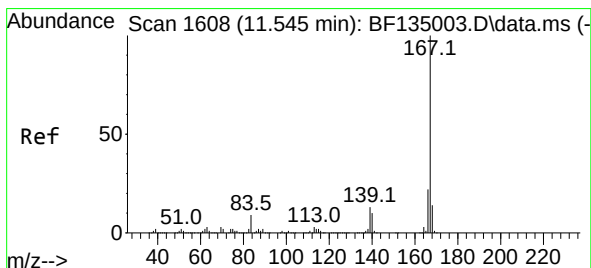
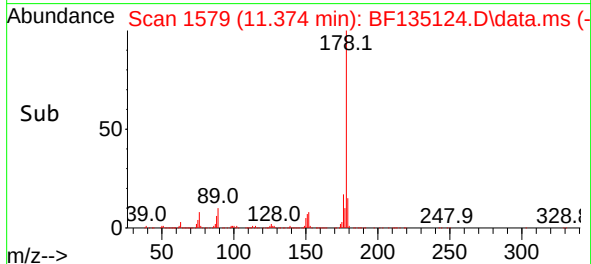
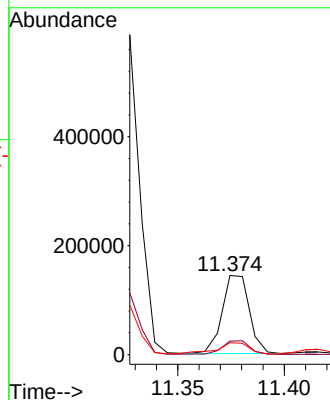
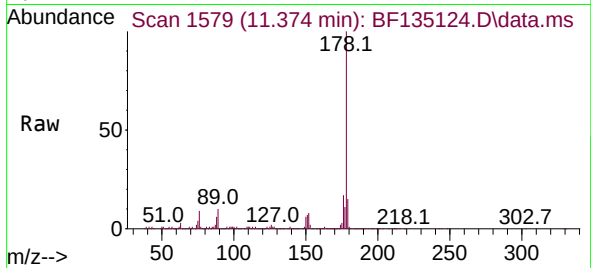




#72
 Anthracene
 Concen: 8.681 ng
 RT: 11.374 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF135124.D
 Acq: 06 Sep 2023 07:39

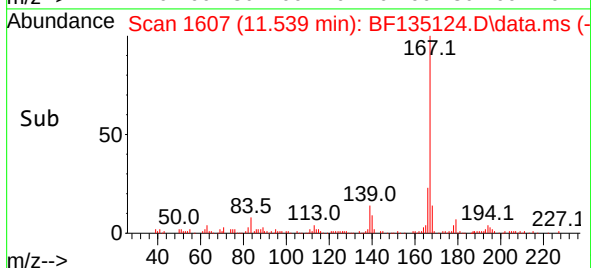
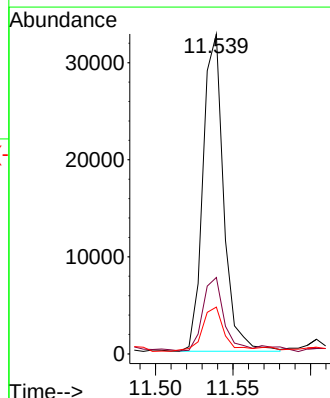
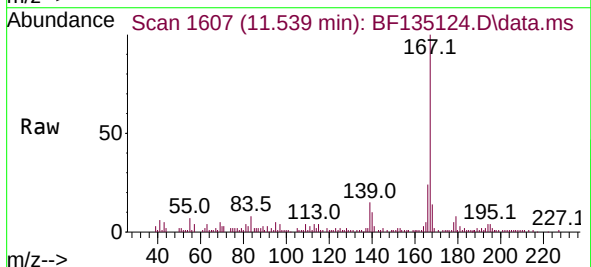
Instrument :
 BNA_F
 ClientSampleId :
 SU-02-083023

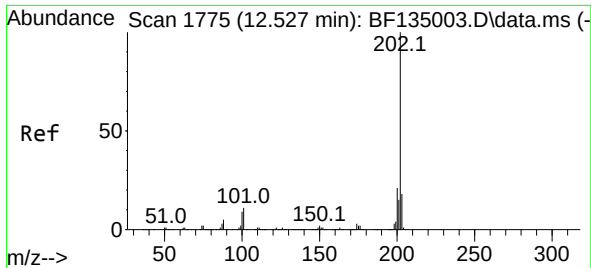
Tgt Ion:178 Resp: 127436
 Ion Ratio Lower Upper
 178 100
 176 17.2 15.4 23.2
 179 15.1 12.8 19.2



#73
 Carbazole
 Concen: 2.397 ng
 RT: 11.539 min Scan# 1607
 Delta R.T. -0.006 min
 Lab File: BF135124.D
 Acq: 06 Sep 2023 07:39

Tgt Ion:167 Resp: 30351
 Ion Ratio Lower Upper
 167 100
 166 23.9 17.4 26.2
 139 14.6 10.3 15.5

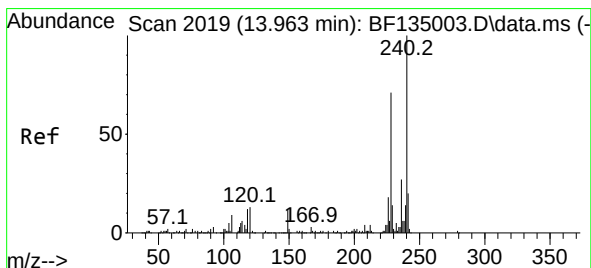
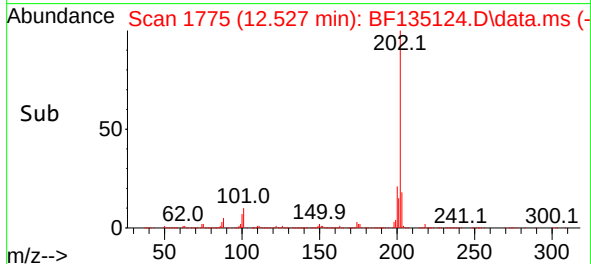
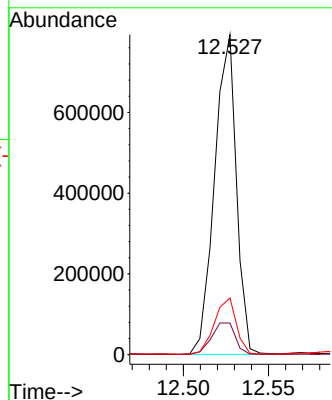
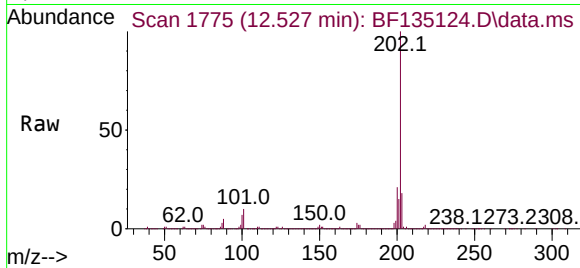




#75
Fluoranthene
Concen: 48.580 ng
RT: 12.527 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF135124.D
Acq: 06 Sep 2023 07:39

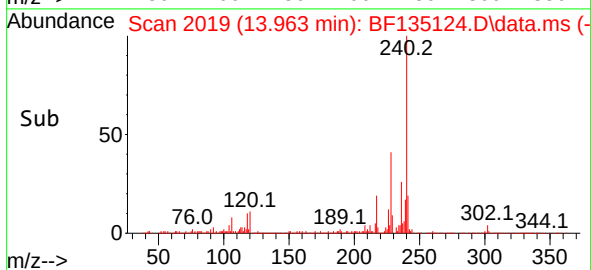
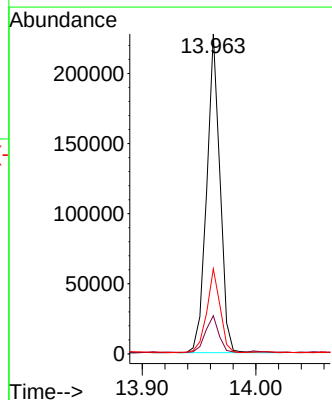
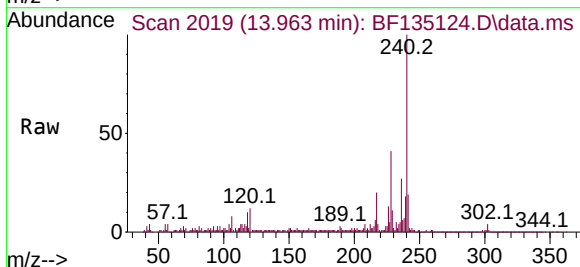
Instrument :
BNA_F
ClientSampleId :
SU-02-083023

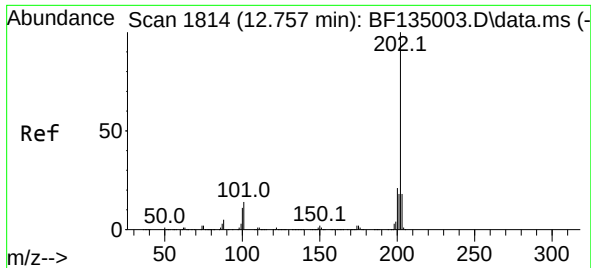
Tgt Ion:202 Resp: 705684
Ion Ratio Lower Upper
202 100
101 9.9 0.0 31.5
203 17.7 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF135124.D
Acq: 06 Sep 2023 07:39

Tgt Ion:240 Resp: 185267
Ion Ratio Lower Upper
240 100
120 11.9 10.2 15.2
236 26.6 21.3 31.9

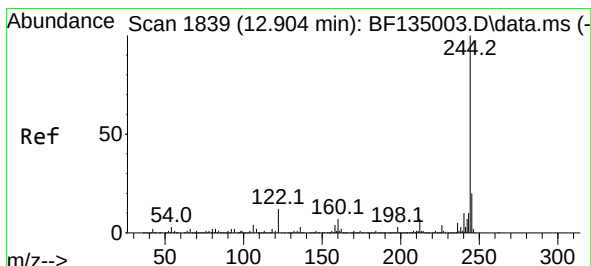
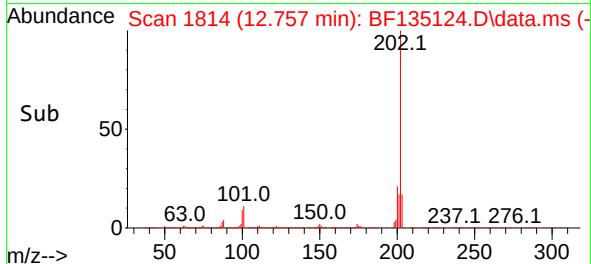
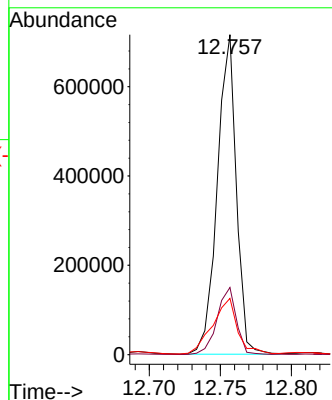
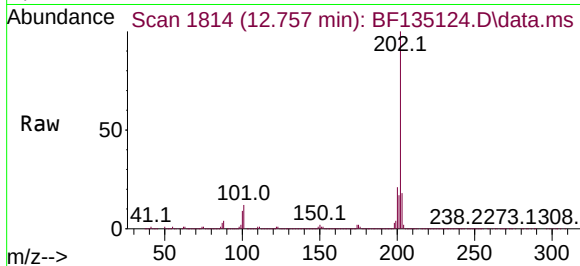




#78
Pyrene
Concen: 37.951 ng
RT: 12.757 min Scan# 1814
Delta R.T. -0.000 min
Lab File: BF135124.D
Acq: 06 Sep 2023 07:39

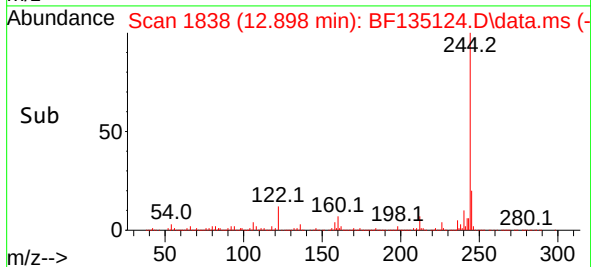
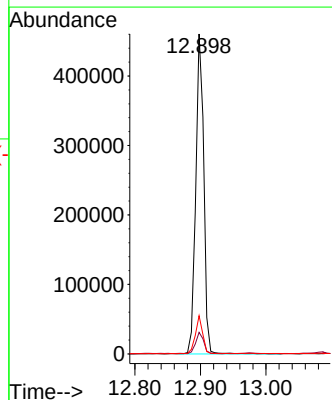
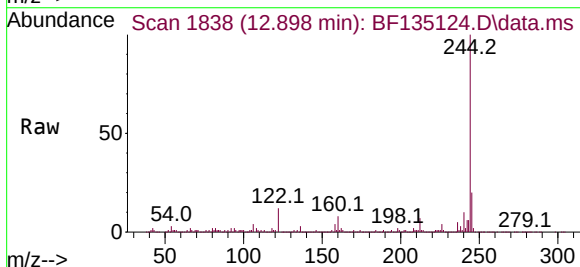
Instrument :
BNA_F
ClientSampleId :
SU-02-083023

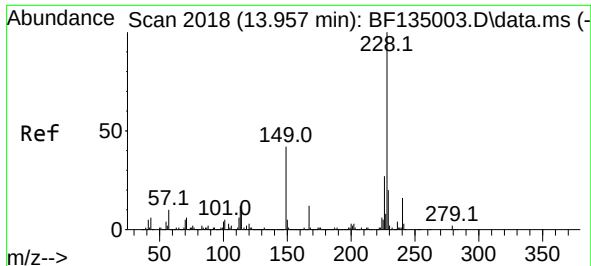
Tgt Ion:202 Resp: 667574
Ion Ratio Lower Upper
202 100
200 21.0 17.0 25.6
203 17.6 14.2 21.2



#79
Terphenyl-d14
Concen: 34.355 ng
RT: 12.898 min Scan# 1838
Delta R.T. -0.006 min
Lab File: BF135124.D
Acq: 06 Sep 2023 07:39

Tgt Ion:244 Resp: 390027
Ion Ratio Lower Upper
244 100
212 6.8 5.6 8.4
122 11.9 9.8 14.6

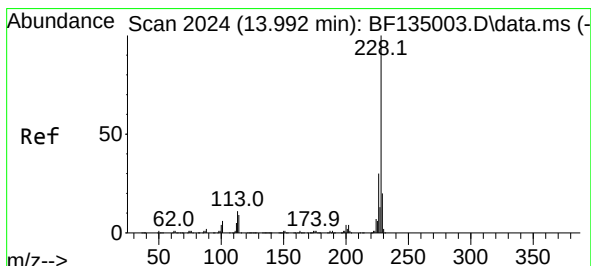
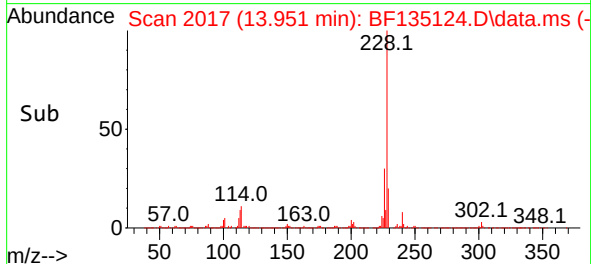
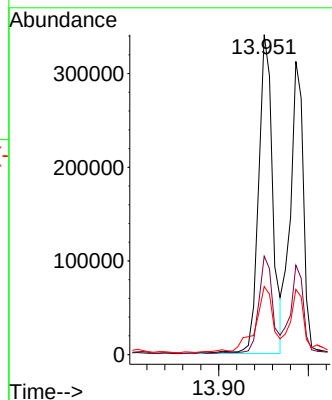
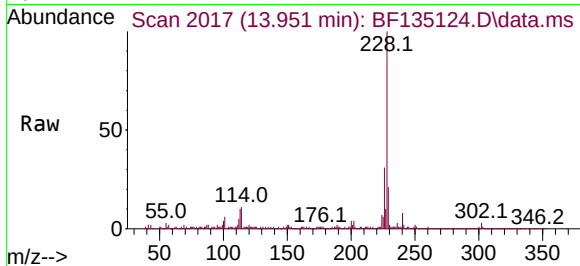




#81
Benzo(a)anthracene
Concen: 29.418 ng
RT: 13.951 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF135124.D
Acq: 06 Sep 2023 07:39

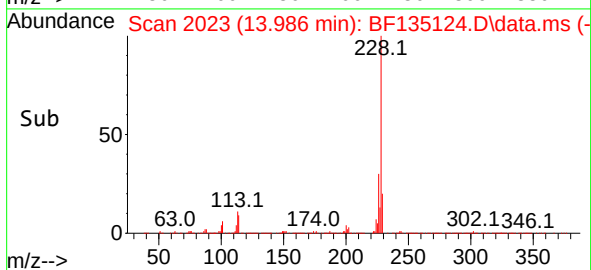
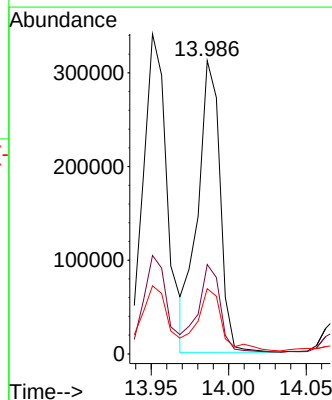
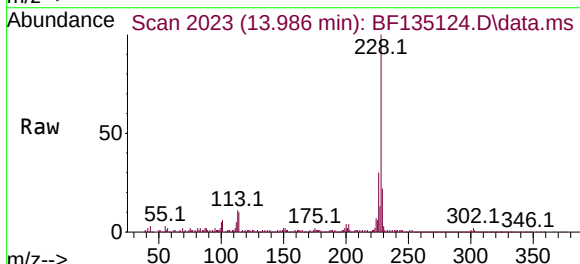
Instrument :
BNA_F
ClientSampleId :
SU-02-083023

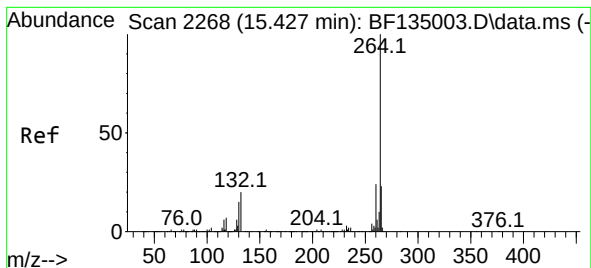
Tgt Ion:228 Resp: 371775
Ion Ratio Lower Upper
228 100
226 30.8 21.6 32.4
229 21.3 15.6 23.4



#83
Chrysene
Concen: 25.274 ng
RT: 13.986 min Scan# 2023
Delta R.T. -0.006 min
Lab File: BF135124.D
Acq: 06 Sep 2023 07:39

Tgt Ion:228 Resp: 313905
Ion Ratio Lower Upper
228 100
226 30.5 24.2 36.4
229 22.2 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF135124.D

Acq: 06 Sep 2023 07:39

Instrument :

BNA_F

ClientSampleId :

SU-02-083023

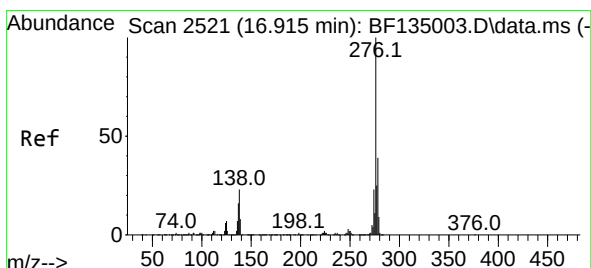
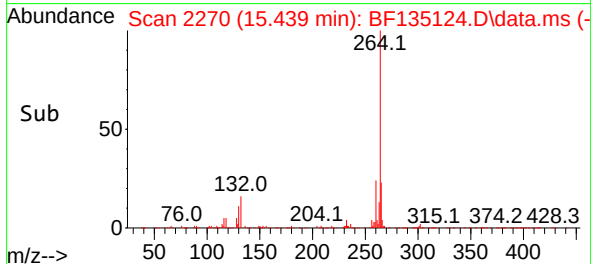
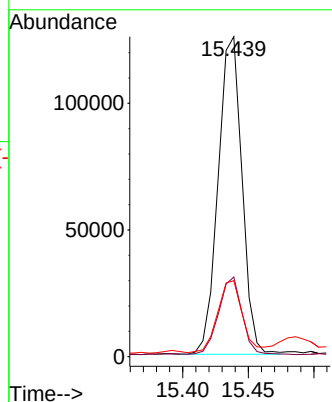
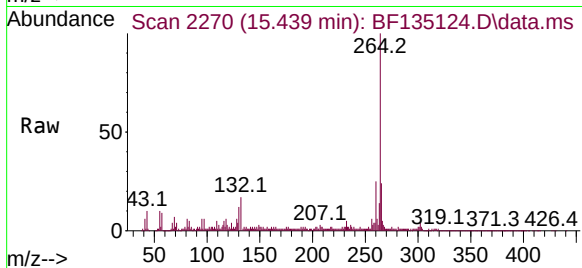
Tgt Ion:264 Resp: 159367

Ion Ratio Lower Upper

264 100

260 24.9 19.0 28.6

265 23.7 18.2 27.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.364 ng

RT: 16.756 min Scan# 2494

Delta R.T. -0.159 min

Lab File: BF135124.D

Acq: 06 Sep 2023 07:39

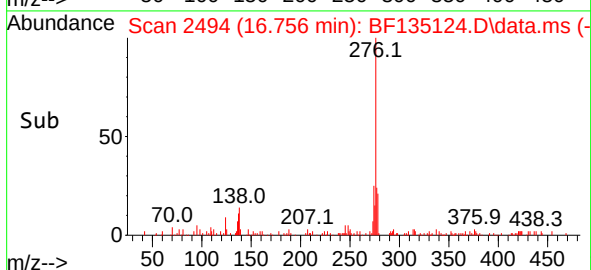
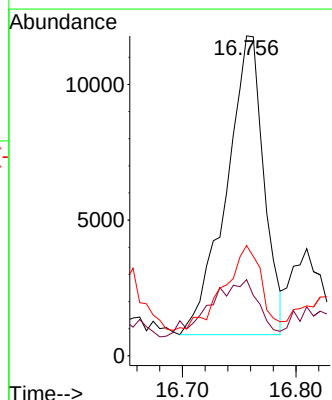
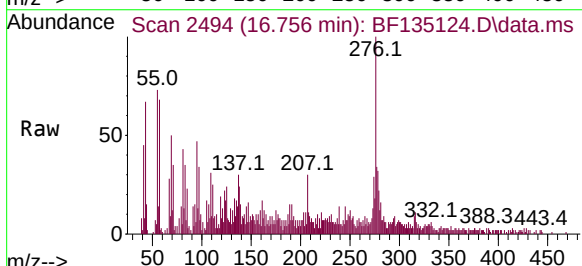
Tgt Ion:276 Resp: 25376

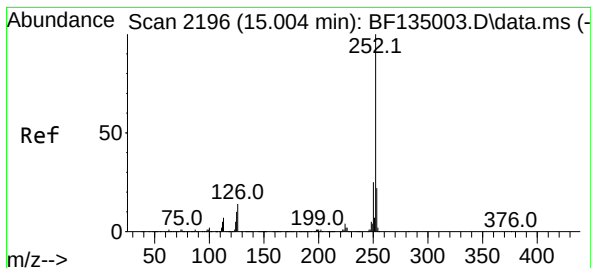
Ion Ratio Lower Upper

276 100

138 24.6 20.2 30.2

277 28.1 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 46.233 ng

RT: 15.010 min Scan# 2197

Delta R.T. 0.006 min

Lab File: BF135124.D

Acq: 06 Sep 2023 07:39

Instrument :

BNA_F

ClientSampleId :

SU-02-083023

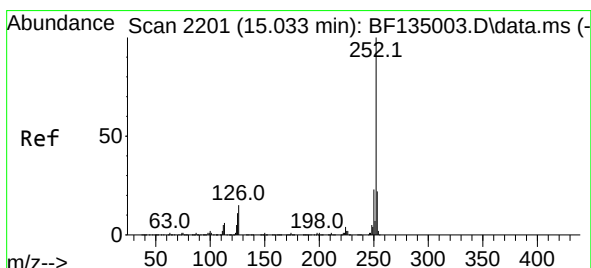
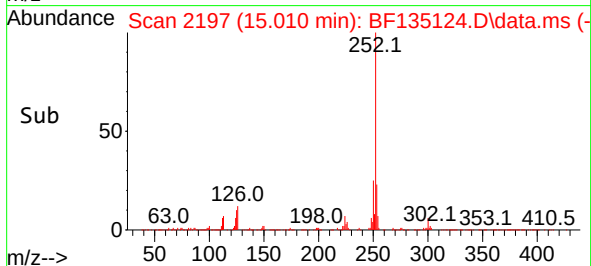
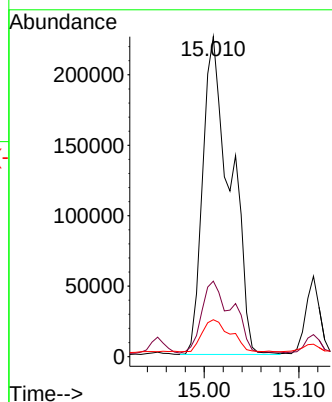
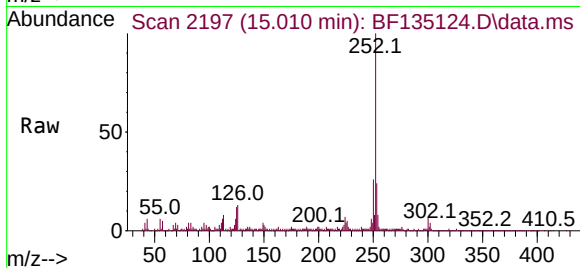
Tgt Ion:252 Resp: 458449

Ion Ratio Lower Upper

252 100

253 23.6 17.8 26.8

125 11.5 8.4 12.6



#89

Benzo(k)fluoranthene

Concen: 47.856 ng

RT: 15.010 min Scan# 2197

Delta R.T. -0.024 min

Lab File: BF135124.D

Acq: 06 Sep 2023 07:39

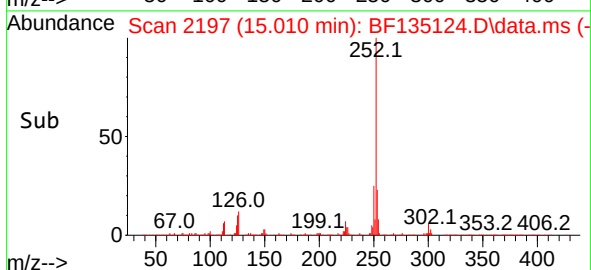
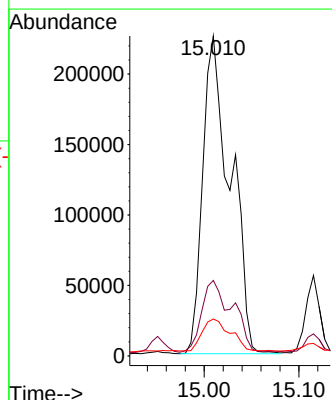
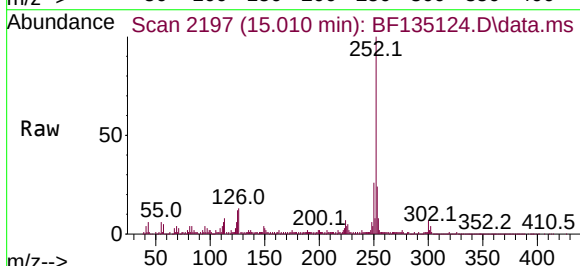
Tgt Ion:252 Resp: 458449

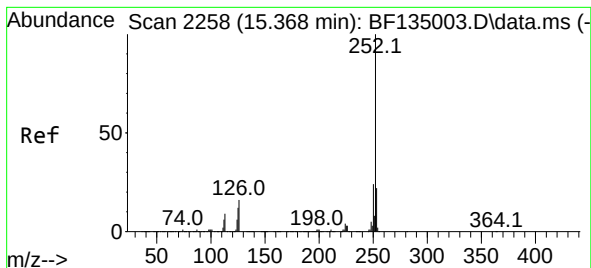
Ion Ratio Lower Upper

252 100

253 23.6 17.4 26.0

125 11.5 8.5 12.7





#90

Benzo(a)pyrene

Concen: 25.911 ng

RT: 15.374 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF135124.D

Acq: 06 Sep 2023 07:39

Instrument :

BNA_F

ClientSampleId :

SU-02-083023

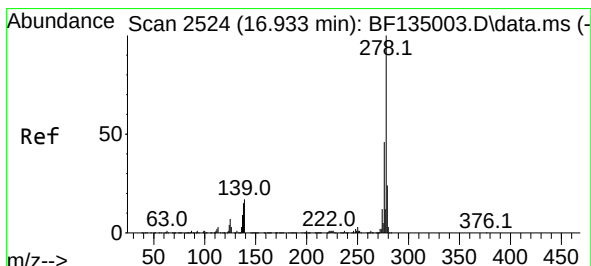
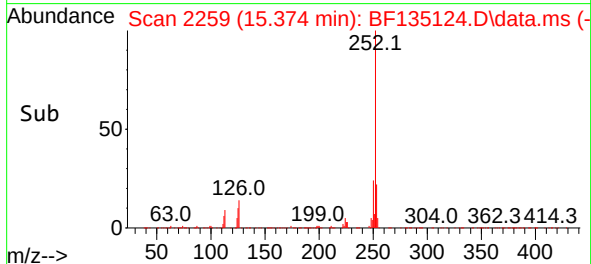
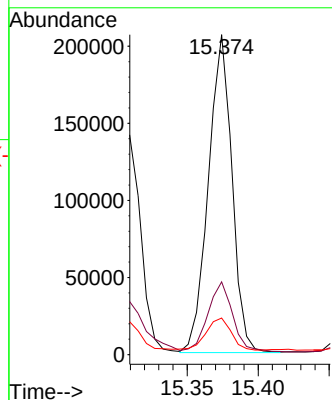
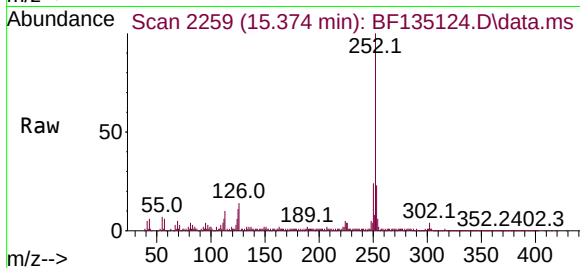
Tgt Ion:252 Resp: 238685

Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.0

125 11.4 9.5 14.3



#91

Dibenzo(a,h)anthracene

Concen: 3.722 ng

RT: 17.098 min Scan# 2552

Delta R.T. 0.165 min

Lab File: BF135124.D

Acq: 06 Sep 2023 07:39

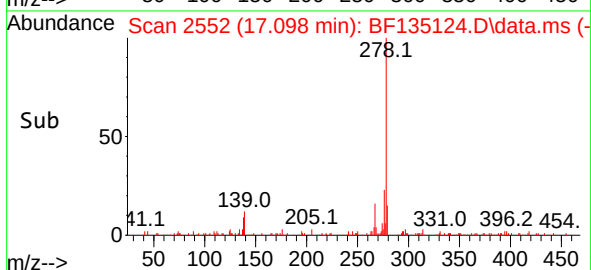
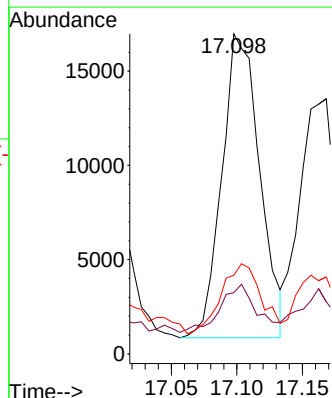
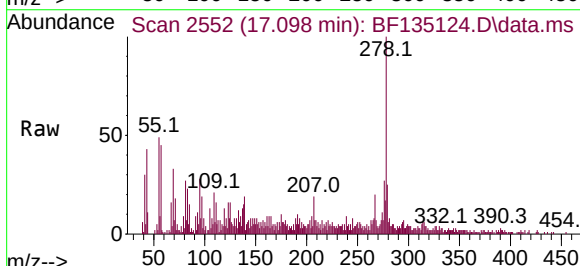
Tgt Ion:278 Resp: 32361

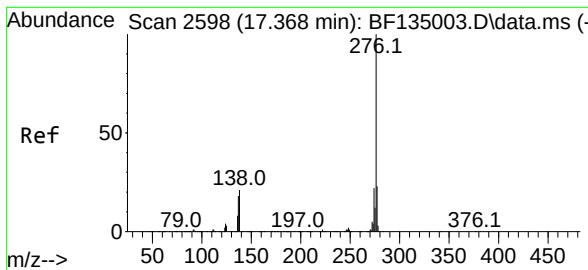
Ion Ratio Lower Upper

278 100

139 19.1 13.4 20.2

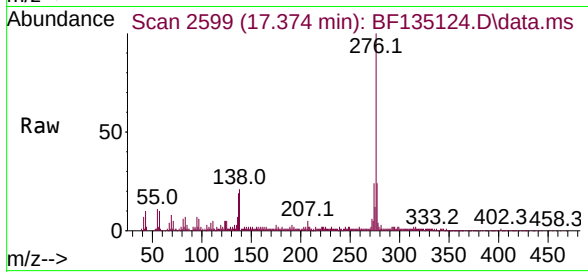
279 24.6 19.5 29.3





#92
 Benzo(g,h,i)perylene
 Concen: 13.590 ng
 RT: 17.374 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF135124.D
 Acq: 06 Sep 2023 07:39

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-083023



Tgt Ion:	276	Resp:	122889
Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.5	27.7
138	21.1	17.1	25.7

