

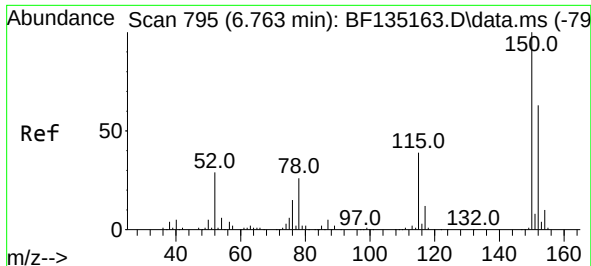
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
 Data File : BF135380.D
 Acq On : 21 Sep 2023 15:04
 Operator : CG\JU
 Sample : 04501-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Quant Time: Sep 22 05:56:31 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 00:19:07 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	145825	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	522607	20.000	ng	#-0.01
39) Acenaphthene-d10	9.792	164	233629	20.000	ng	-0.01
64) Phenanthrene-d10	11.286	188	354136	20.000	ng	# 0.00
76) Chrysene-d12	13.945	240	264985	20.000	ng	0.00
86) Perylene-d12	15.410	264	228396	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	876080	97.713	ng	0.00
7) Phenol-d6	6.404	99	1122723	98.479	ng	0.00
23) Nitrobenzene-d5	7.322	82	685389	71.252	ng	-0.01
42) 2,4,6-Tribromophenol	10.586	330	185048	79.703	ng	-0.01
45) 2-Fluorobiphenyl	9.116	172	1090382	70.414	ng	-0.01
79) Terphenyl-d14	12.880	244	824513	48.235	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.322	70	90085	12.757	ng	# 79
25) Isophorone	7.322	82	685381	38.802	ng	# 65
49) Acenaphthylene	9.651	152	59650	2.755	ng	97
50) Dimethylphthalate	9.792	163	46665	2.954	ng	# 1
51) 2,6-Dinitrotoluene	9.792	165	31179	9.010	ng	# 17
67) 4-Bromophenyl-phenylether	10.586	248	11719	3.327	ng	# 1
71) Phenanthrene	11.310	178	348479	20.806	ng	99
72) Anthracene	11.363	178	57274	3.327	ng	97
75) Fluoranthene	12.504	202	444010	25.441	ng	99
78) Pyrene	12.733	202	519147	20.578	ng	99
81) Benzo(a)anthracene	13.969	228	245421	14.343	ng	97
83) Chrysene	13.969	228	245421	14.426	ng	98
87) Indeno(1,2,3-cd)pyrene	16.886	276	61633	4.116	ng	95
88) Benzo(b)fluoranthene	14.980	252	245659	19.869	ng	# 96
89) Benzo(k)fluoranthene	14.980	252	245659	20.114	ng	# 96
90) Benzo(a)pyrene	15.345	252	136660	11.591	ng	98
92) Benzo(g,h,i)perylene	17.333	276	67028	5.238	ng	95

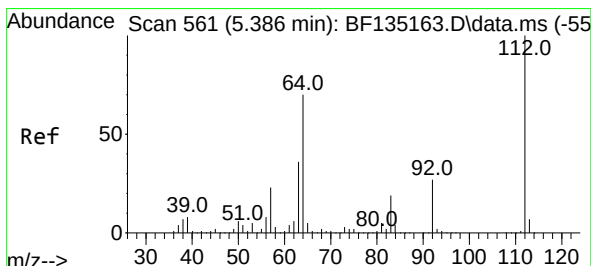
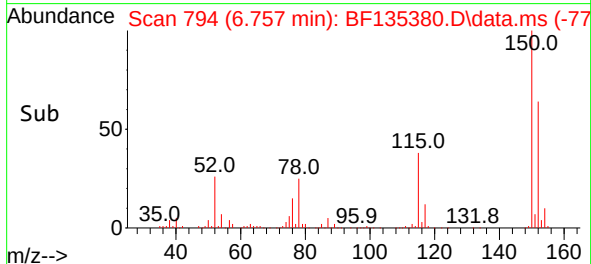
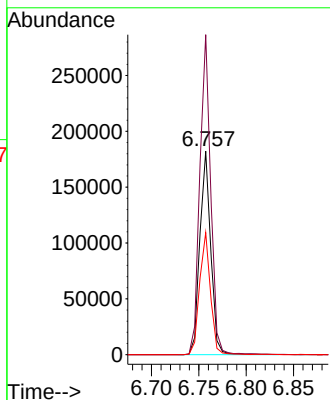
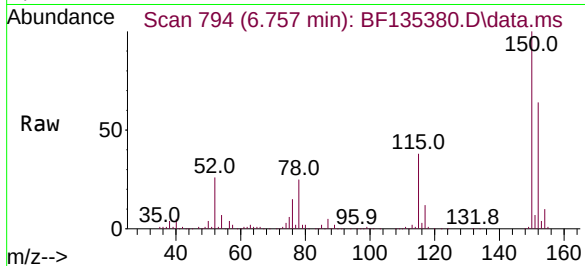
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.757 min Scan# 795
 Delta R.T. -0.006 min
 Lab File: BF135380.D
 Acq: 21 Sep 2023 15:04

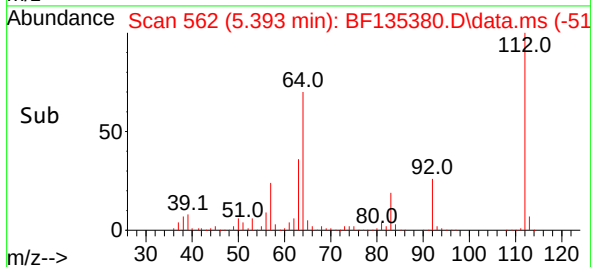
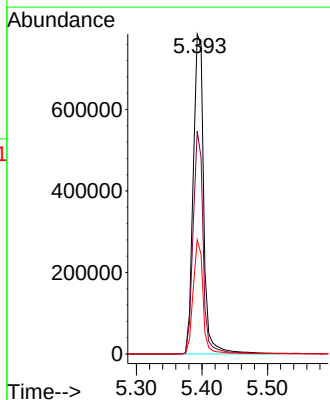
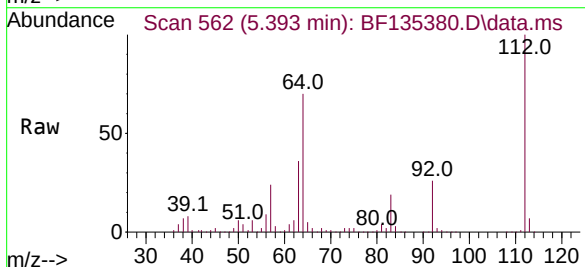
Instrument :
 BNA_F
 ClientSampleId :
 TP-3

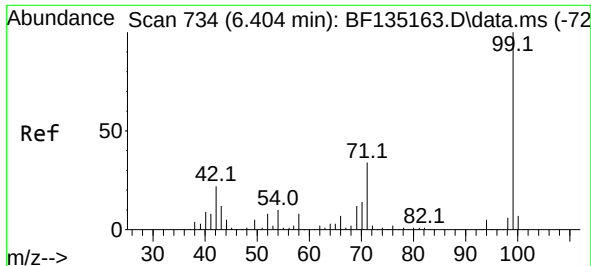
Tgt Ion:152 Resp: 145825
 Ion Ratio Lower Upper
 152 100
 150 157.2 127.8 191.6
 115 60.0 49.8 74.8



#5
 2-Fluorophenol
 Concen: 97.713 ng
 RT: 5.393 min Scan# 562
 Delta R.T. 0.006 min
 Lab File: BF135380.D
 Acq: 21 Sep 2023 15:04

Tgt Ion:112 Resp: 876080
 Ion Ratio Lower Upper
 112 100
 64 69.7 55.9 83.9
 63 35.6 29.0 43.6



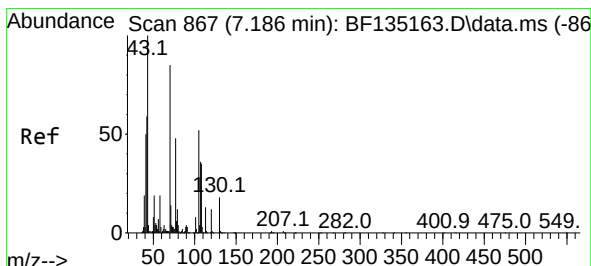
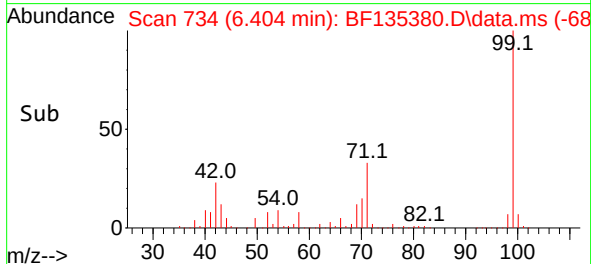
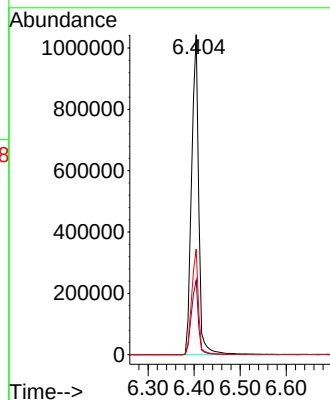
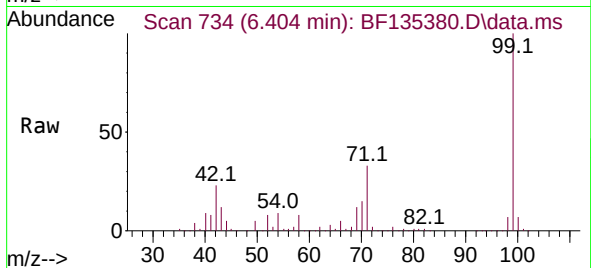


#7
Phenol-d6
Concen: 98.479 ng
RT: 6.404 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF135380.D
Acq: 21 Sep 2023 15:04

Instrument :
BNA_F
ClientSampleId :
TP-3

Tgt Ion: 99 Resp: 1122723

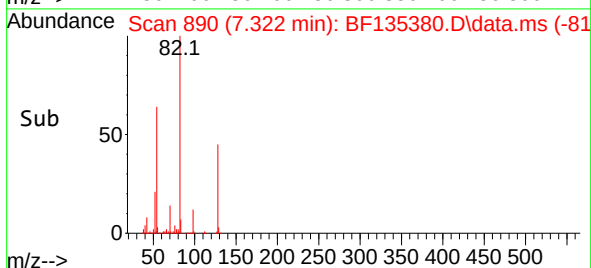
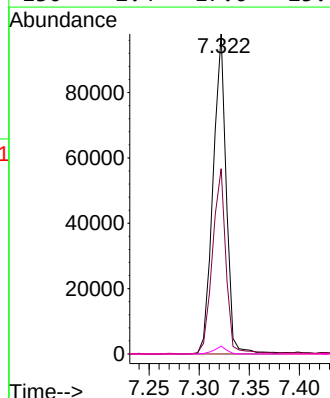
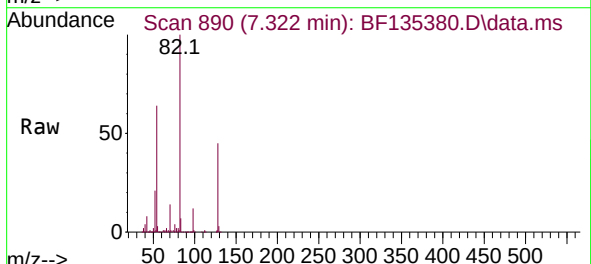
Ion	Ratio	Lower	Upper
99	100		
42	23.2	17.9	26.9
71	33.0	27.0	40.6

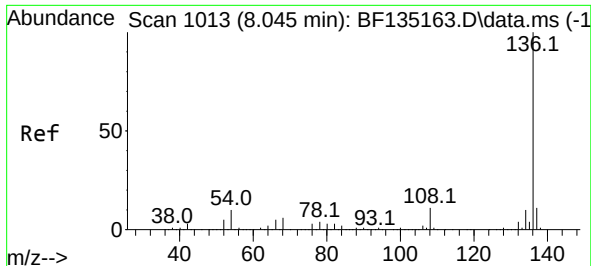


#19
n-Nitroso-di-n-propylamine
Concen: 12.757 ng
RT: 7.322 min Scan# 890
Delta R.T. 0.136 min
Lab File: BF135380.D
Acq: 21 Sep 2023 15:04

Tgt Ion: 70 Resp: 90085

Ion	Ratio	Lower	Upper
70	100		
42	57.9	55.4	83.0
101	0.0	7.7	11.5#
130	2.4	17.0	25.6#

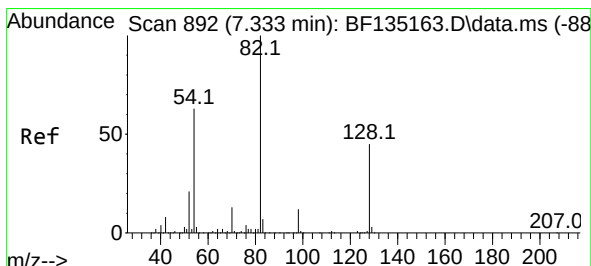
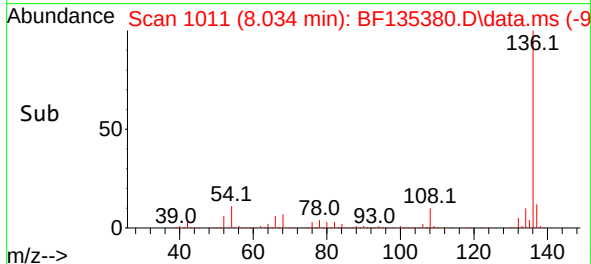
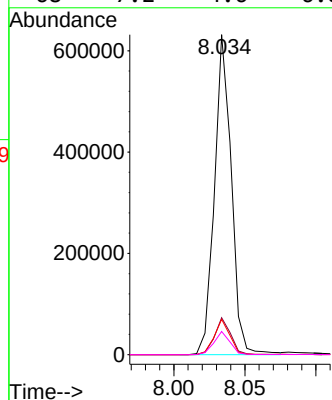
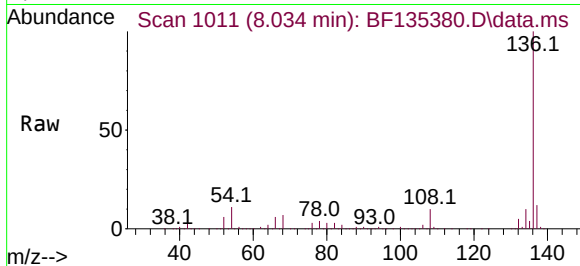




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.034 min Scan# 1013
Delta R.T. -0.011 min
Lab File: BF135380.D
Acq: 21 Sep 2023 15:04

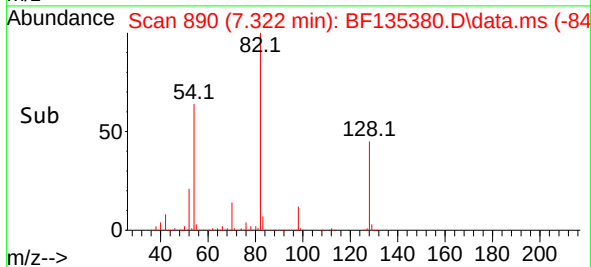
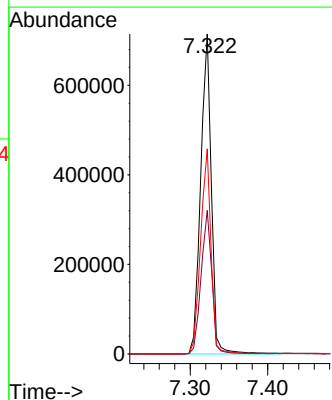
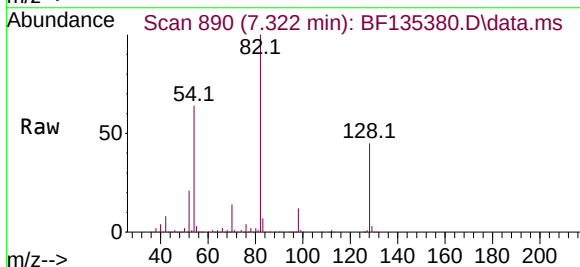
Instrument :
BNA_F
ClientSampleId :
TP-3

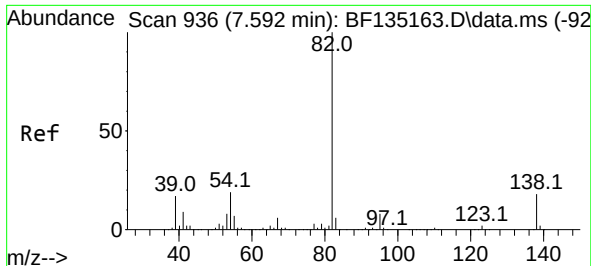
Tgt Ion:136	Resp: 522607
Ion Ratio	Lower Upper
136	100
137	11.6 8.8 13.2
54	11.1 7.7 11.5
68	7.2 4.6 6.8



#23
Nitrobenzene-d5
Concen: 71.252 ng
RT: 7.322 min Scan# 890
Delta R.T. -0.012 min
Lab File: BF135380.D
Acq: 21 Sep 2023 15:04

Tgt Ion: 82	Resp: 685389
Ion Ratio	Lower Upper
82	100
128	44.8 35.8 53.6
54	64.1 50.6 76.0

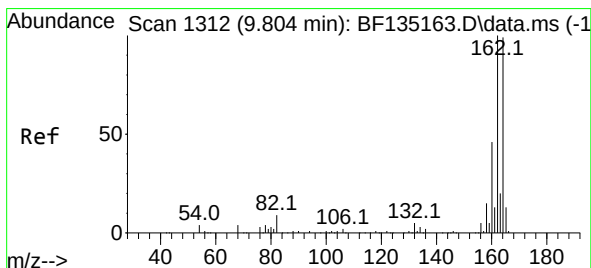
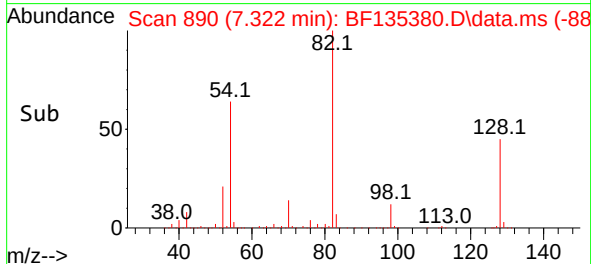
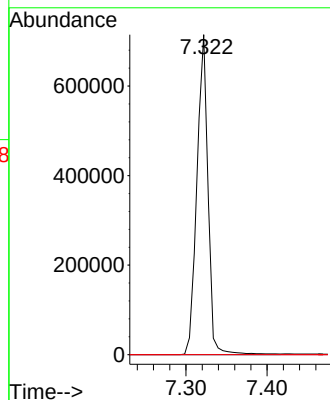
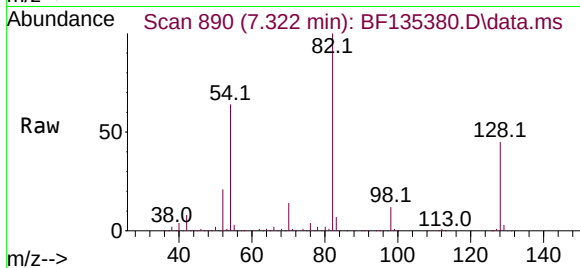




#25
Isophorone
Concen: 38.802 ng
RT: 7.322 min Scan# 89
Delta R.T. -0.270 min
Lab File: BF135380.D
Acq: 21 Sep 2023 15:04

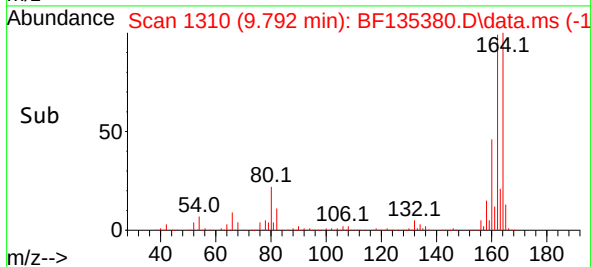
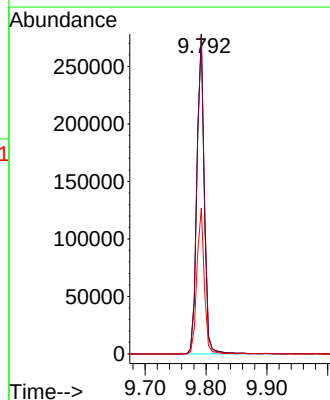
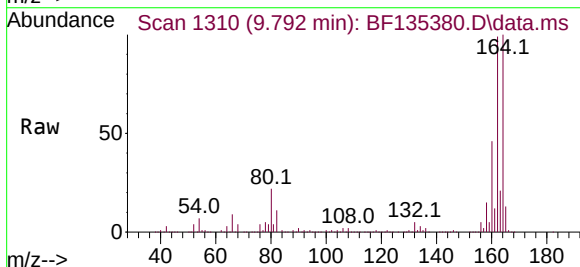
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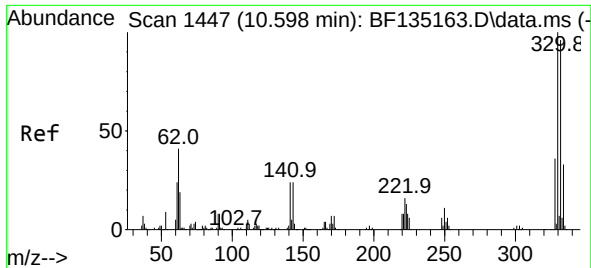
Tgt Ion: 82 Resp: 685381
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.792 min Scan# 1310
Delta R.T. -0.011 min
Lab File: BF135380.D
Acq: 21 Sep 2023 15:04

Tgt Ion: 164 Resp: 233629
Ion Ratio Lower Upper
164 100
162 99.1 81.0 121.4
160 45.6 37.0 55.4

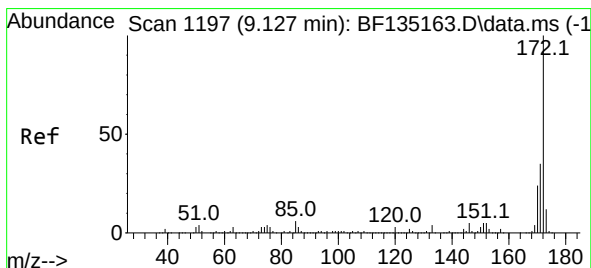
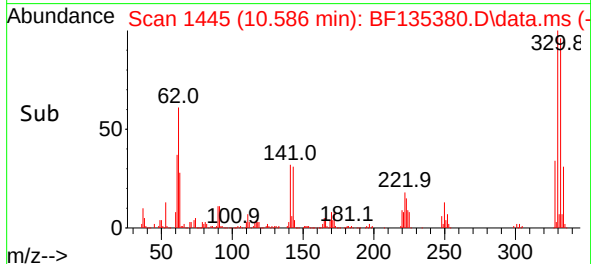
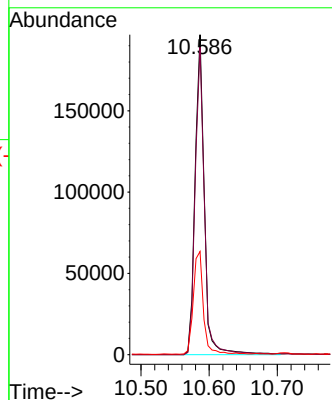
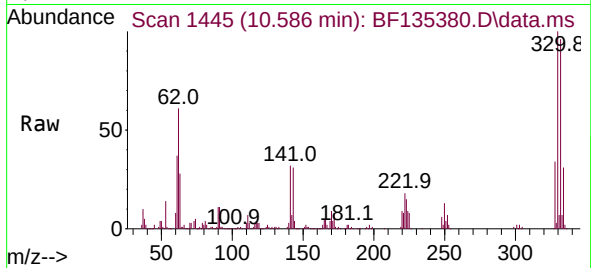




#42
2,4,6-Tribromophenol
Concen: 79.703 ng
RT: 10.586 min Scan# 1445
Delta R.T. -0.011 min
Lab File: BF135380.D
Acq: 21 Sep 2023 15:04

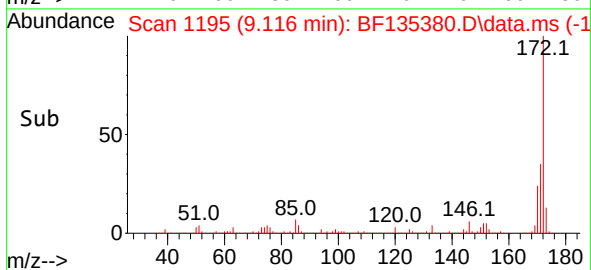
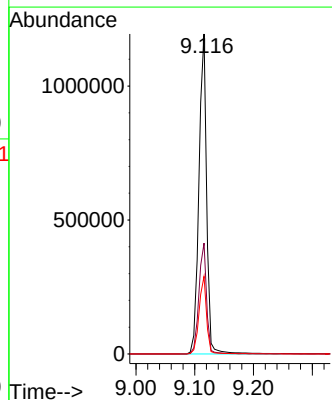
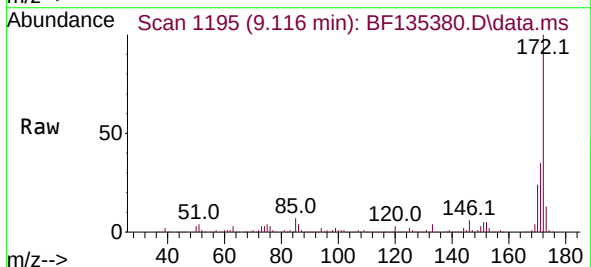
Instrument :
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ClientSampleId :
TP-3

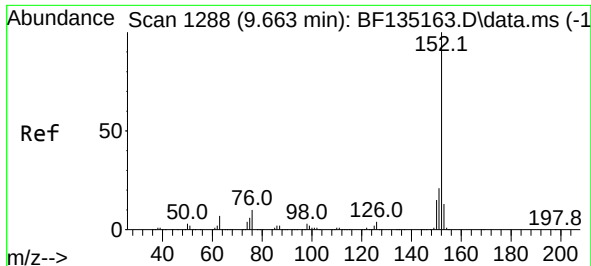
Tgt Ion:330 Resp: 185048
Ion Ratio Lower Upper
330 100
332 95.9 77.3 115.9
141 34.7 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 70.414 ng
RT: 9.116 min Scan# 1195
Delta R.T. -0.012 min
Lab File: BF135380.D
Acq: 21 Sep 2023 15:04

Tgt Ion:172 Resp: 1090382
Ion Ratio Lower Upper
172 100
171 34.6 28.4 42.6
170 24.2 19.0 28.4

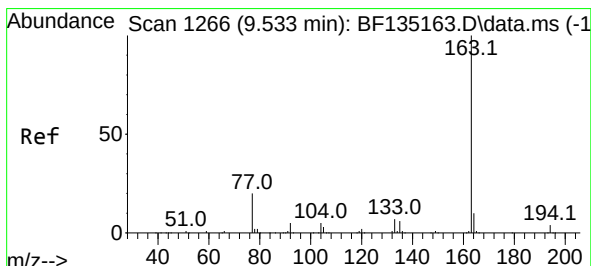
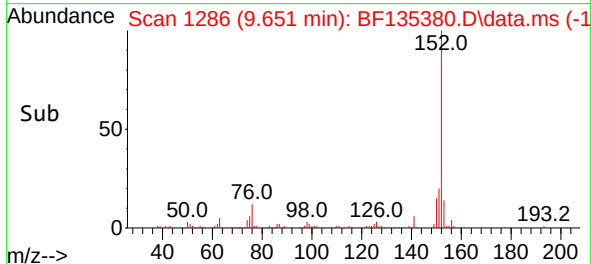
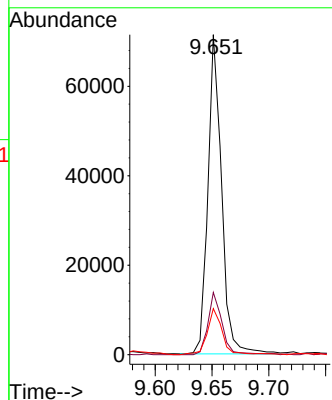
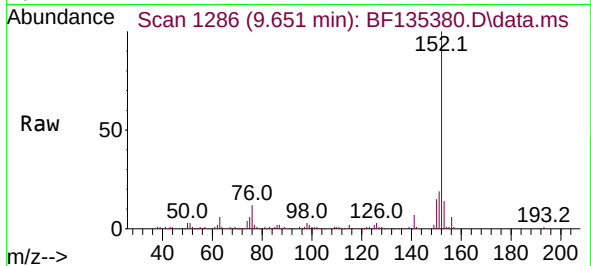




#49
Acenaphthylene
Concen: 2.755 ng
RT: 9.651 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF135380.D
Acq: 21 Sep 2023 15:04

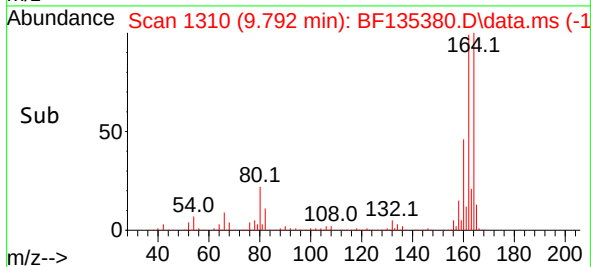
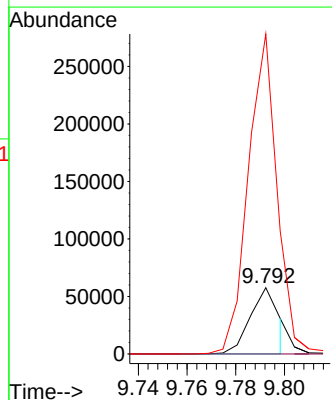
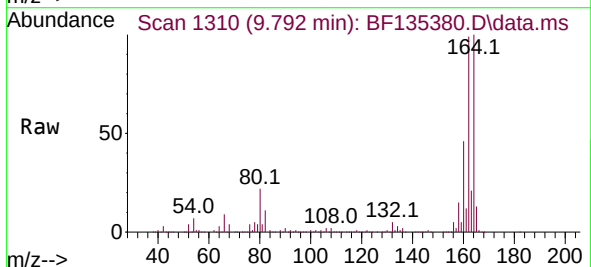
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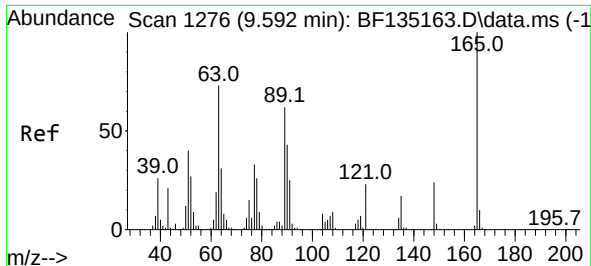
Tgt Ion:152 Resp: 59650
Ion Ratio Lower Upper
152 100
151 19.4 16.4 24.6
153 14.4 10.4 15.6



#50
Dimethylphthalate
Concen: 2.954 ng
RT: 9.792 min Scan# 1310
Delta R.T. 0.259 min
Lab File: BF135380.D
Acq: 21 Sep 2023 15:04

Tgt Ion:163 Resp: 46665
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 482.7 8.1 12.1#





#51

2,6-Dinitrotoluene

Concen: 9.010 ng

RT: 9.792 min Scan# 1

Delta R.T. 0.200 min

Lab File: BF135380.D

Acq: 21 Sep 2023 15:04

Instrument :

BNA_F

ClientSampleId :

TP-3

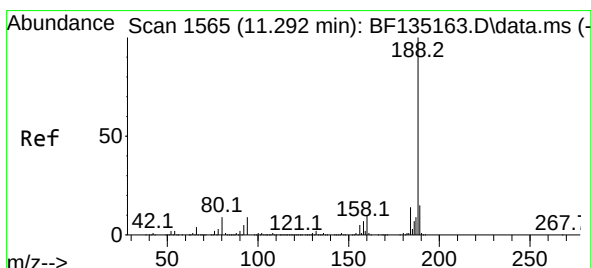
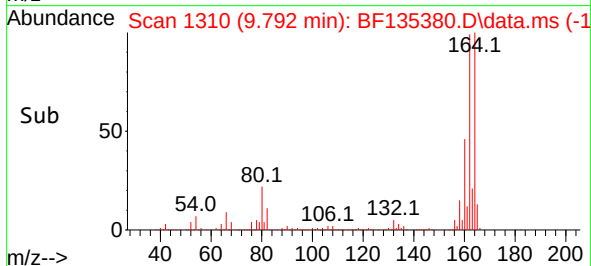
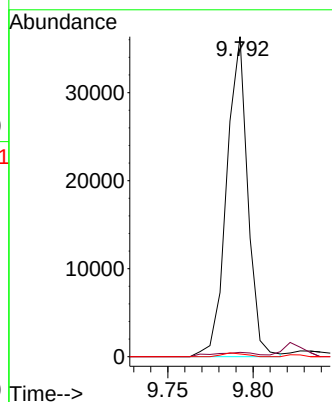
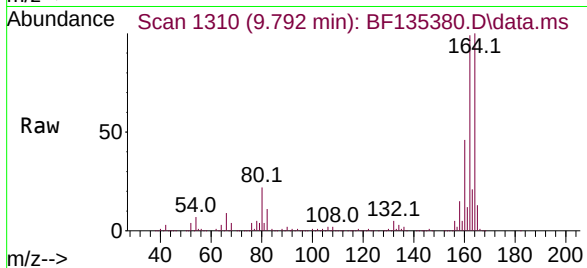
Tgt Ion:165 Resp: 31179

Ion Ratio Lower Upper

165 100

63 1.4 59.4 89.2#

89 0.9 49.8 74.8#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.286 min Scan# 1564

Delta R.T. -0.006 min

Lab File: BF135380.D

Acq: 21 Sep 2023 15:04

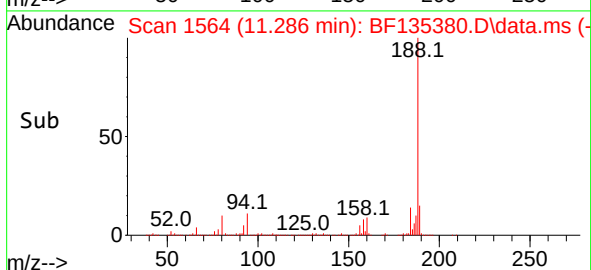
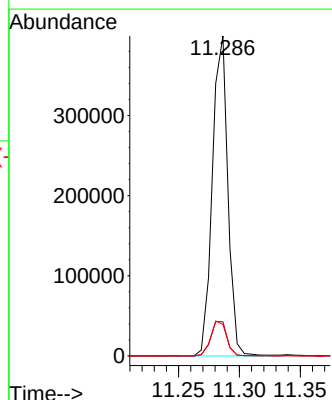
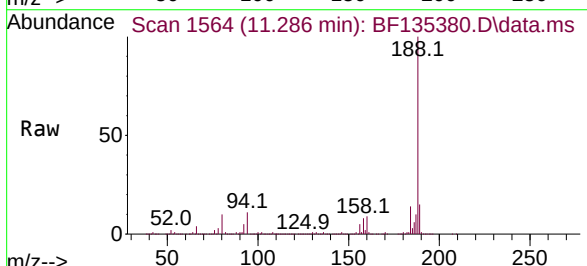
Tgt Ion:188 Resp: 354136

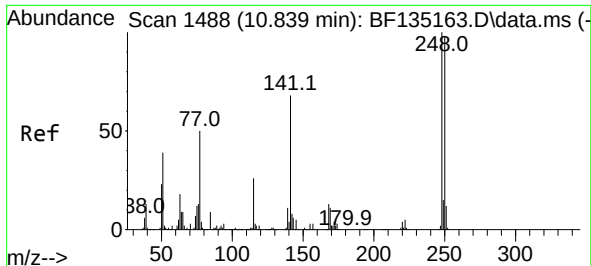
Ion Ratio Lower Upper

188 100

94 10.7 7.0 10.6#

80 9.9 7.5 11.3

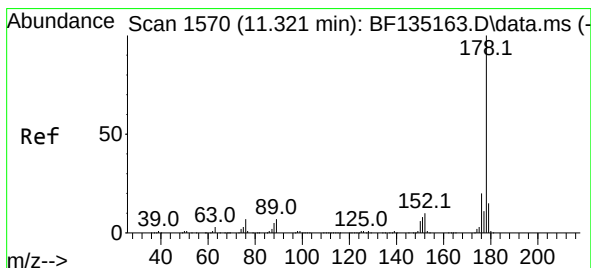
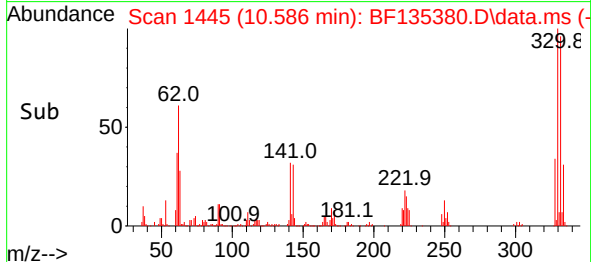
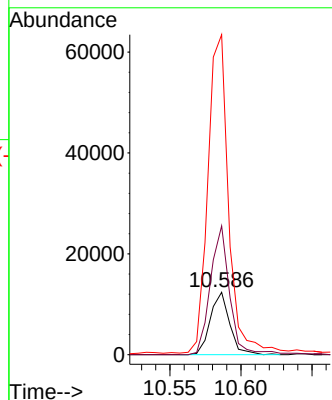
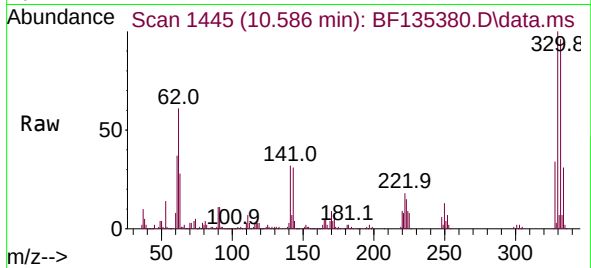




#67
4-Bromophenyl-phenylether
Concen: 3.327 ng
RT: 10.586 min Scan# 1488
Delta R.T. -0.253 min
Lab File: BF135380.D
Acq: 21 Sep 2023 15:04

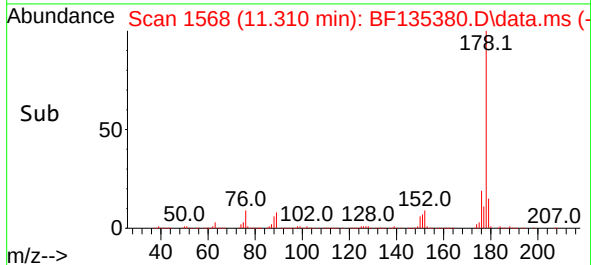
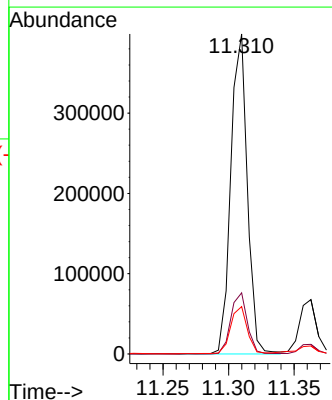
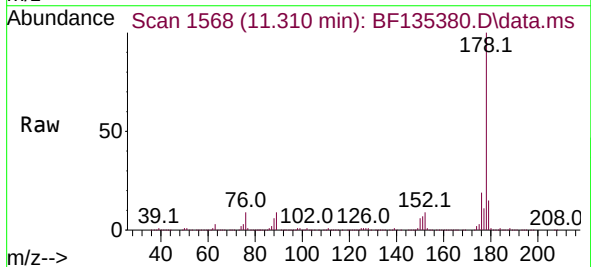
Instrument :
BNA_F
ClientSampleId :
TP-3

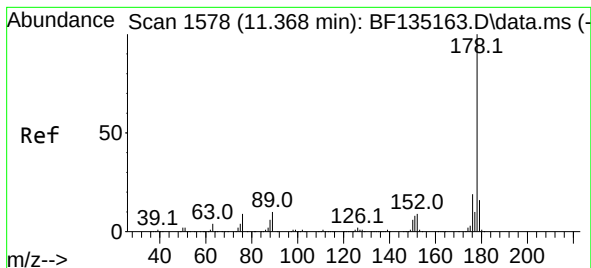
Tgt Ion:248 Resp: 11719
Ion Ratio Lower Upper
248 100
250 206.1 78.6 117.8#
141 512.2 54.2 81.2#



#71
Phenanthrene
Concen: 20.806 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.011 min
Lab File: BF135380.D
Acq: 21 Sep 2023 15:04

Tgt Ion:178 Resp: 348479
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 14.8 12.0 18.0





#72

Anthracene

Concen: 3.327 ng

RT: 11.363 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF135380.D

Acq: 21 Sep 2023 15:04

Instrument :

BNA_F

ClientSampleId :

TP-3

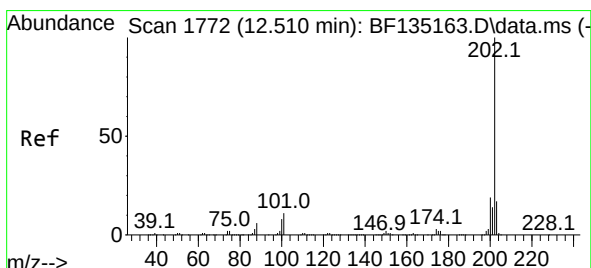
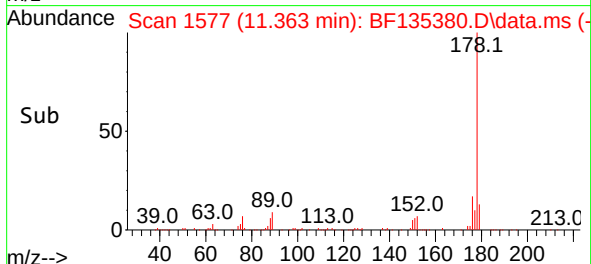
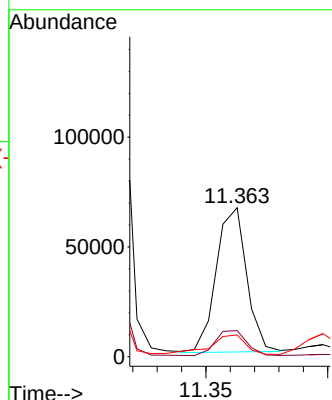
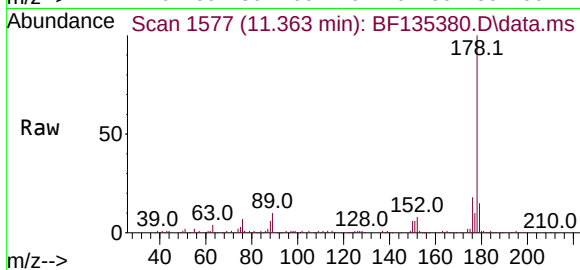
Tgt Ion:178 Resp: 57274

Ion Ratio Lower Upper

178 100

176 17.5 15.4 23.2

179 14.6 12.6 19.0



#75

Fluoranthene

Concen: 25.441 ng

RT: 12.504 min Scan# 1771

Delta R.T. -0.006 min

Lab File: BF135380.D

Acq: 21 Sep 2023 15:04

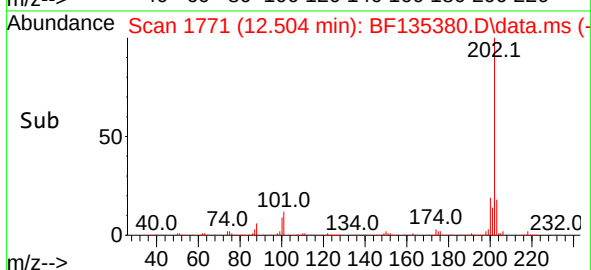
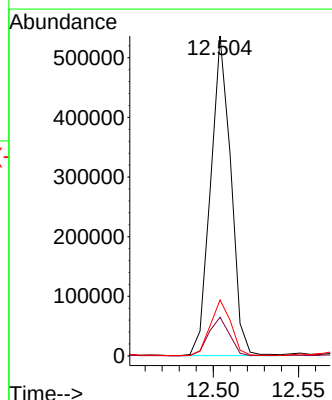
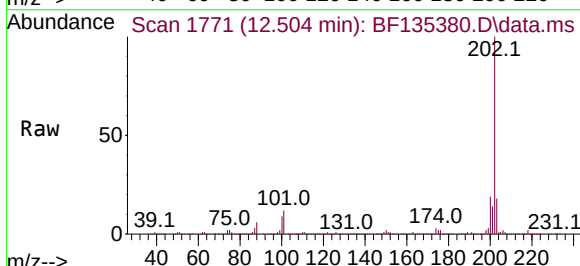
Tgt Ion:202 Resp: 444010

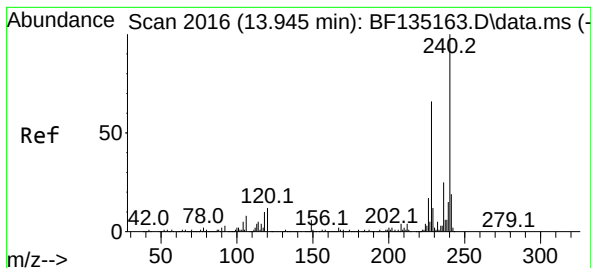
Ion Ratio Lower Upper

202 100

101 12.1 0.0 31.3

203 17.5 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.945 min Scan# 2016

Delta R.T. 0.000 min

Lab File: BF135380.D

Acq: 21 Sep 2023 15:04

Instrument :

BNA_F

ClientSampleId :

TP-3

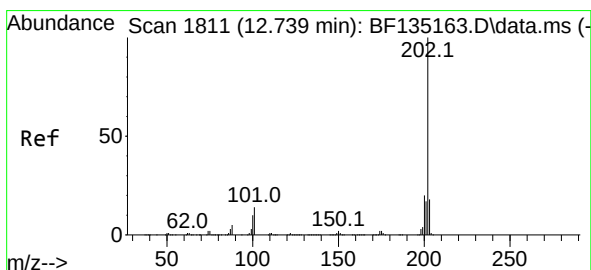
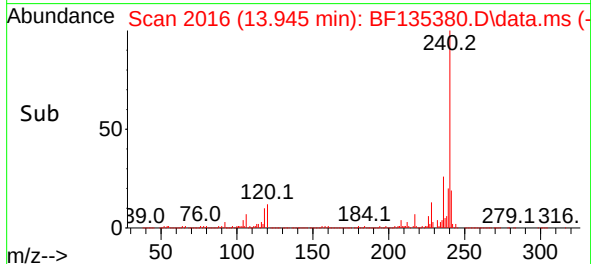
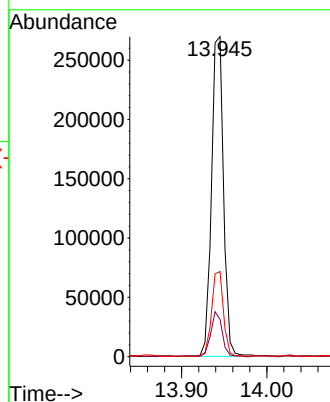
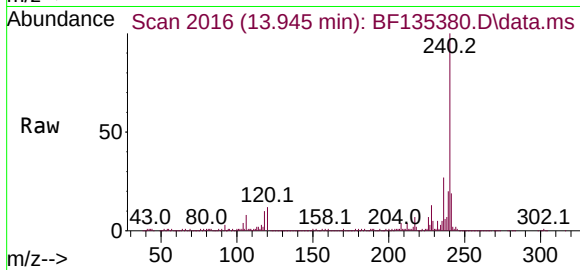
Tgt Ion:240 Resp: 264985

Ion Ratio Lower Upper

240 100

120 11.7 9.4 14.2

236 26.6 19.8 29.8



#78

Pyrene

Concen: 20.578 ng

RT: 12.733 min Scan# 1810

Delta R.T. -0.006 min

Lab File: BF135380.D

Acq: 21 Sep 2023 15:04

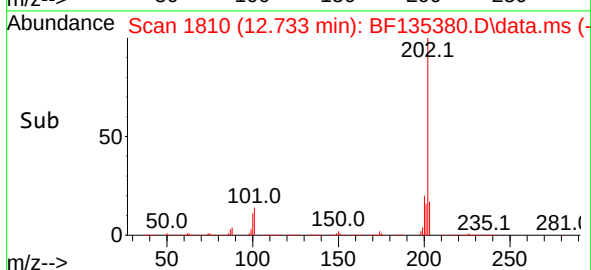
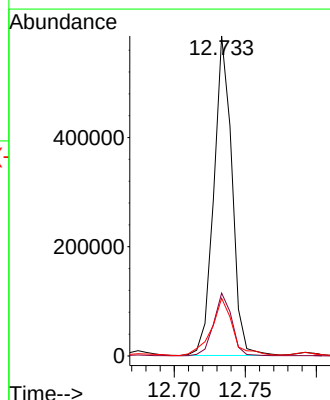
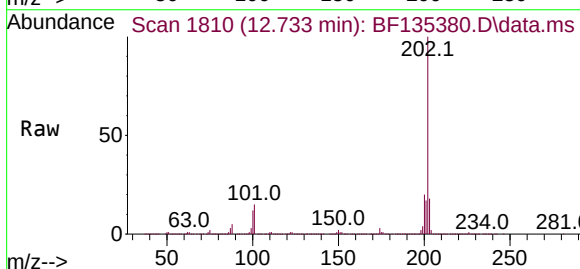
Tgt Ion:202 Resp: 519147

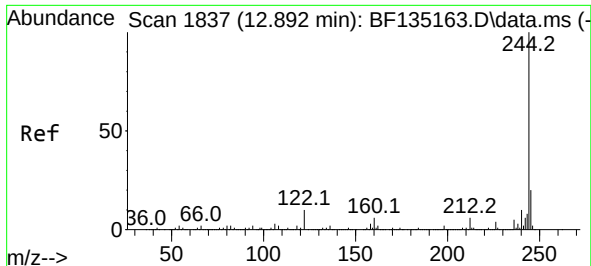
Ion Ratio Lower Upper

202 100

200 19.7 16.2 24.2

203 18.1 14.2 21.4

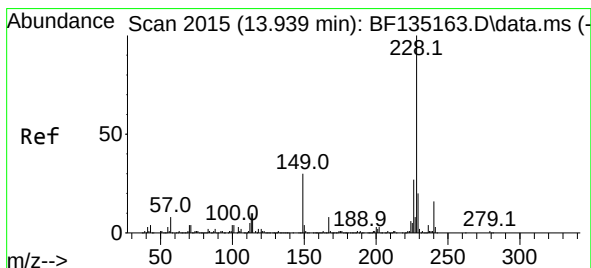
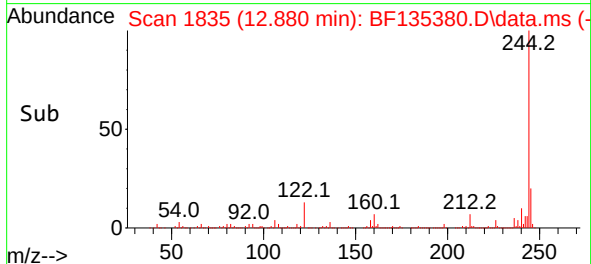
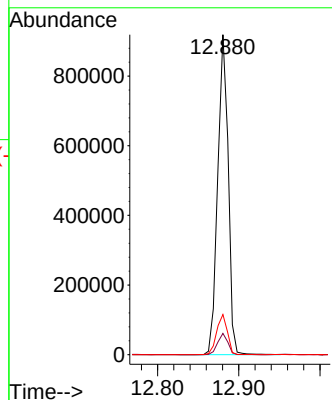
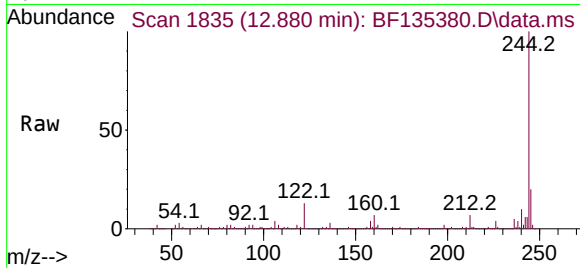




#79
 Terphenyl-d14
 Concen: 48.235 ng
 RT: 12.880 min Scan# 1
 Delta R.T. -0.012 min
 Lab File: BF135380.D
 Acq: 21 Sep 2023 15:04

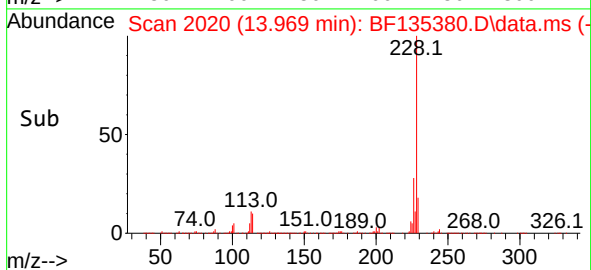
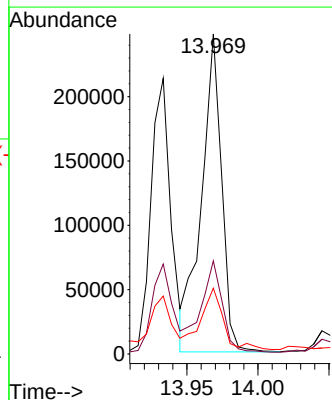
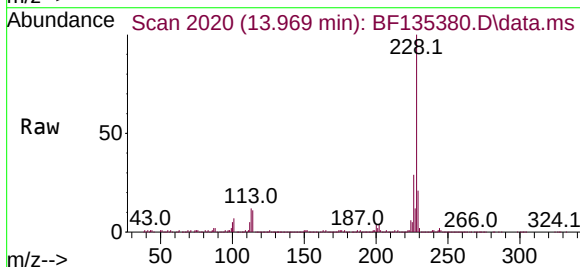
Instrument :
 BNA_F
 ClientSampleId :
 TP-3

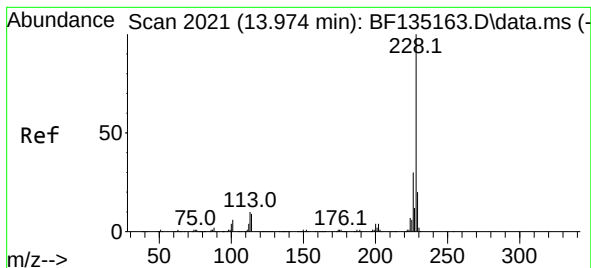
Tgt Ion:244 Resp: 824513
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.1 7.7
 122 12.6 7.9 11.9#



#81
 Benzo(a)anthracene
 Concen: 14.343 ng
 RT: 13.969 min Scan# 2020
 Delta R.T. 0.030 min
 Lab File: BF135380.D
 Acq: 21 Sep 2023 15:04

Tgt Ion:228 Resp: 245421
 Ion Ratio Lower Upper
 228 100
 226 29.1 21.7 32.5
 229 20.6 15.8 23.8





#83

Chrysene

Concen: 14.426 ng

RT: 13.969 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF135380.D

Acq: 21 Sep 2023 15:04

Instrument :

BNA_F

ClientSampleId :

TP-3

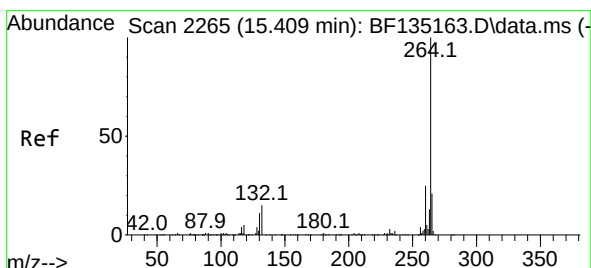
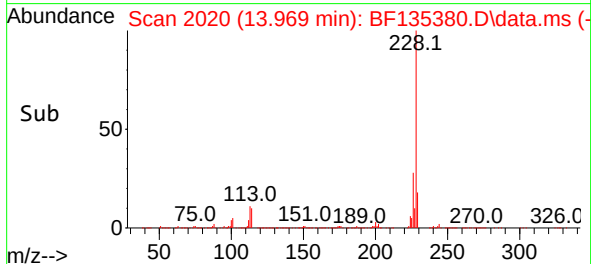
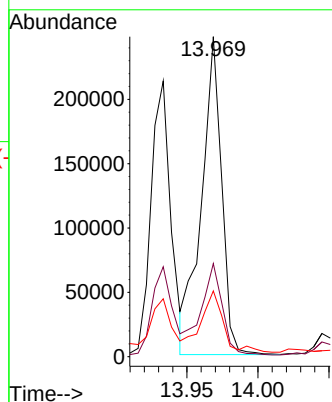
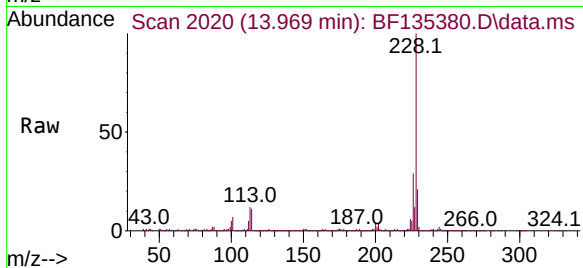
Tgt Ion:228 Resp: 245421

Ion Ratio Lower Upper

228 100

226 29.1 24.3 36.5

229 20.6 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.410 min Scan# 2265

Delta R.T. 0.000 min

Lab File: BF135380.D

Acq: 21 Sep 2023 15:04

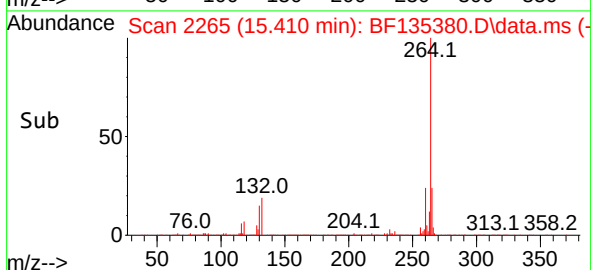
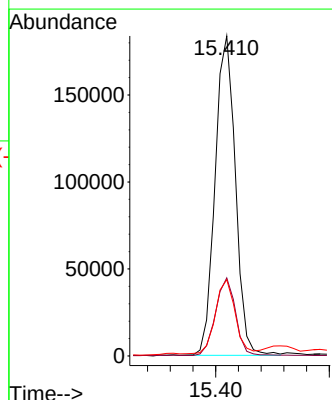
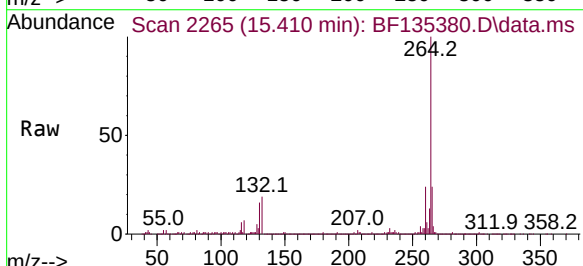
Tgt Ion:264 Resp: 228396

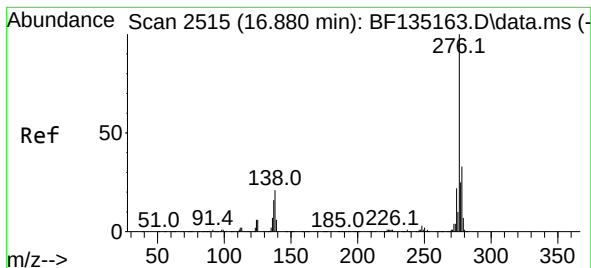
Ion Ratio Lower Upper

264 100

260 24.4 19.8 29.6

265 23.8 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.116 ng

RT: 16.886 min Scan# 2116

Delta R.T. 0.006 min

Lab File: BF135380.D

Acq: 21 Sep 2023 15:04

Instrument :

BNA_F

ClientSampleId :

TP-3

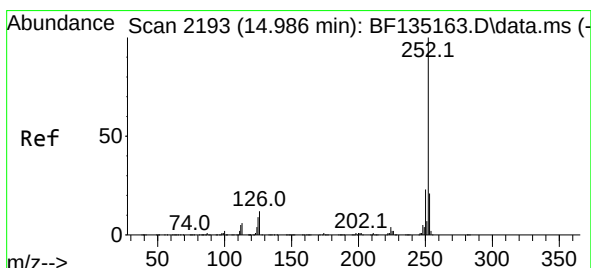
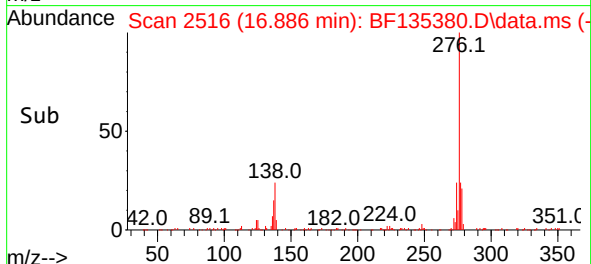
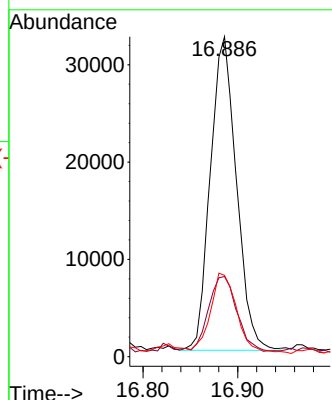
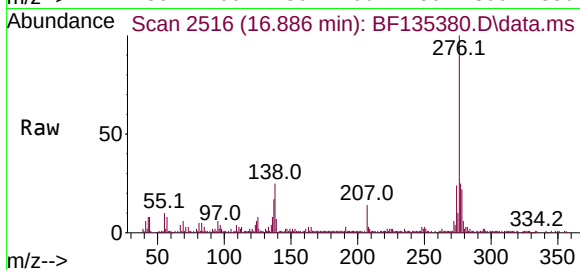
Tgt Ion:276 Resp: 61633

Ion Ratio Lower Upper

276 100

138 27.2 19.2 28.8

277 26.2 19.7 29.5



#88

Benzo(b)fluoranthene

Concen: 19.869 ng

RT: 14.980 min Scan# 2192

Delta R.T. -0.006 min

Lab File: BF135380.D

Acq: 21 Sep 2023 15:04

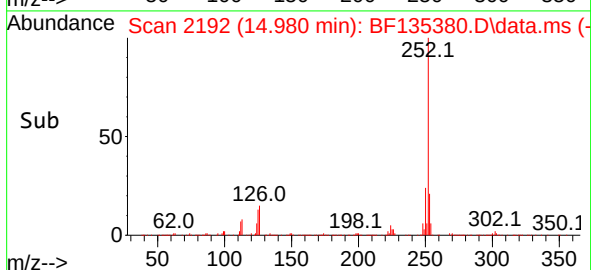
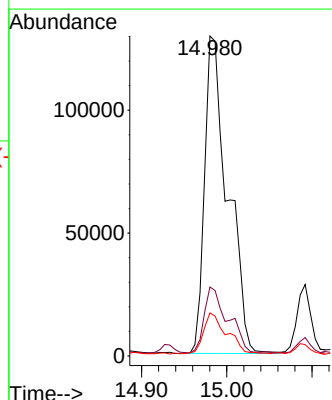
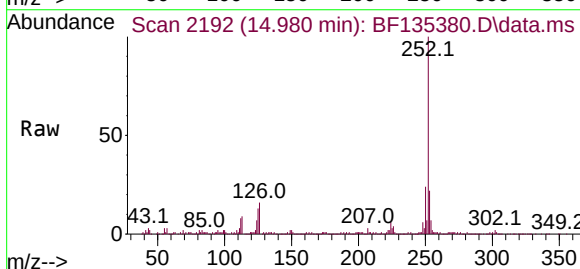
Tgt Ion:252 Resp: 245659

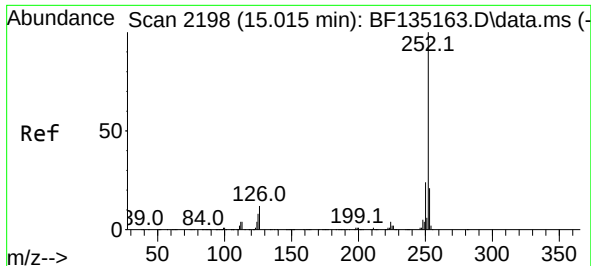
Ion Ratio Lower Upper

252 100

253 21.6 17.2 25.8

125 13.5 7.1 10.7#





#89

Benzo(k)fluoranthene

Concen: 20.114 ng

RT: 14.980 min Scan# 2198

Delta R.T. -0.035 min

Lab File: BF135380.D

Acq: 21 Sep 2023 15:04

Instrument :

BNA_F

ClientSampleId :

TP-3

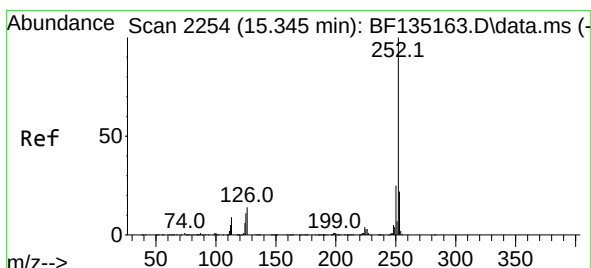
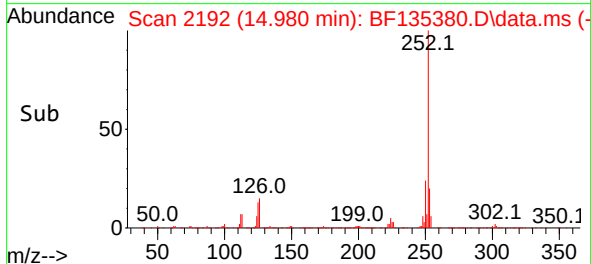
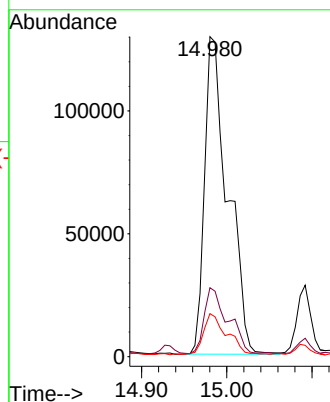
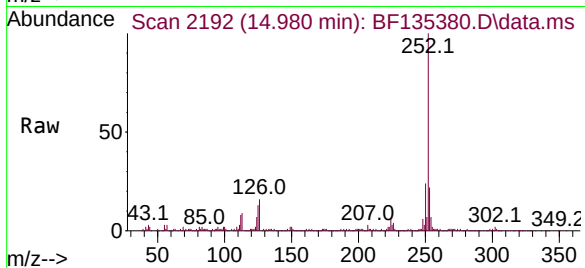
Tgt Ion:252 Resp: 245659

Ion Ratio Lower Upper

252 100

253 21.6 17.4 26.0

125 13.5 7.2 10.8#



#90

Benzo(a)pyrene

Concen: 11.591 ng

RT: 15.345 min Scan# 2254

Delta R.T. 0.000 min

Lab File: BF135380.D

Acq: 21 Sep 2023 15:04

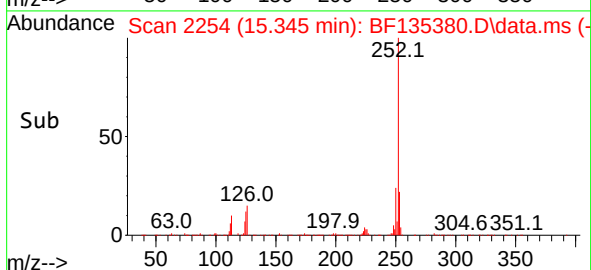
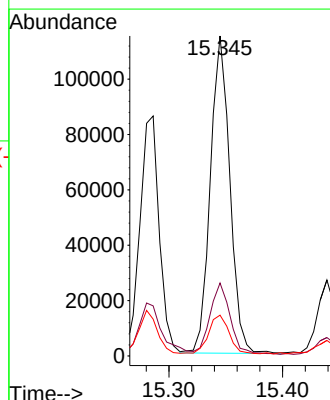
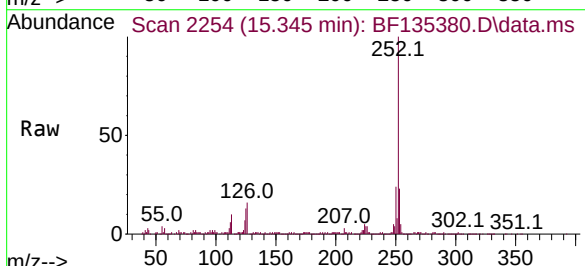
Tgt Ion:252 Resp: 136660

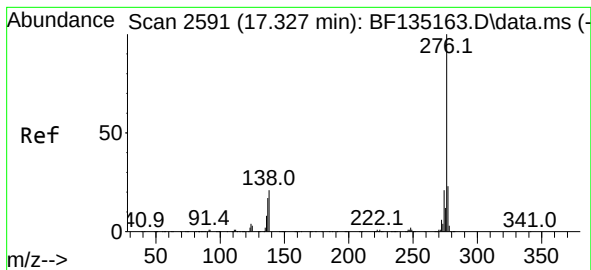
Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

125 12.8 9.2 13.8





#92

Benzo(g,h,i)perylene

Concen: 5.238 ng

RT: 17.333 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF135380.D

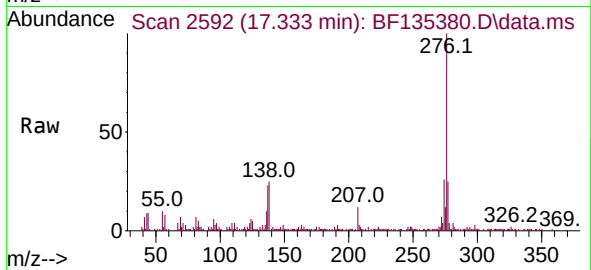
Acq: 21 Sep 2023 15:04

Instrument :

BNA_F

ClientSampleId :

TP-3



Tgt Ion:276 Resp: 67028

Ion Ratio Lower Upper

276 100

277 25.0 18.8 28.2

138 24.9 16.9 25.3

