

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011023\
 Data File : BF132011.D
 Acq On : 10 Jan 2023 23:08
 Operator : CG\JU
 Sample : 01089-03 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-2-010923

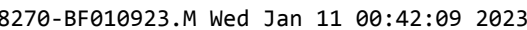
Quant Time: Jan 11 00:41:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 10 00:32:25 2023
 Response via : Initial Calibration

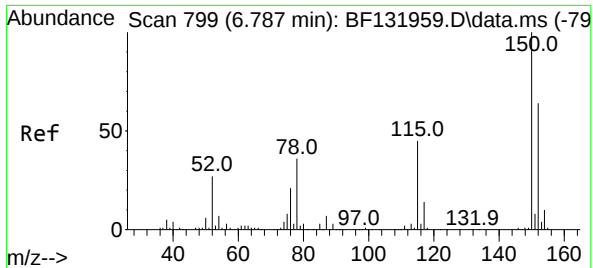
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	60920	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	195291	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	93658	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	167577	20.000	ng	0.00
76) Chrysene-d12	13.980	240	131105	20.000	ng	# 0.00
86) Perylene-d12	15.451	264	97596	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	196050	53.028	ng	0.00
7) Phenol-d6	6.428	99	242536	49.478	ng	0.00
23) Nitrobenzene-d5	7.351	82	156216	33.199	ng	-0.02
42) 2,4,6-Tribromophenol	10.628	330	45847	42.575	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	231117	33.313	ng	-0.01
79) Terphenyl-d14	12.927	244	242727	26.536	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	22188	6.257	ng	# 80
25) Isophorone	7.351	82	154208	17.543	ng	# 69
50) Dimethylphthalate	9.833	163	19601	2.685	ng	# 1
51) 2,6-Dinitrotoluene	9.833	165	12689	8.264	ng	# 22
57) 2,4-Dinitrotoluene	9.833	165	12689	6.181	ng	# 13
71) Phenanthrene	11.351	178	56844	6.507	ng	97
75) Fluoranthene	12.551	202	149406	15.207	ng	99
78) Pyrene	12.780	202	145739	12.188	ng	98
81) Benzo(a)anthracene	13.968	228	67967	7.126	ng	94
83) Chrysene	14.004	228	55476	6.223	ng	97
87) Indeno(1,2,3-cd)pyrene	16.915	276	24651	4.118	ng	# 93
88) Benzo(b)fluoranthene	15.021	252	82006	12.251	ng	# 93
89) Benzo(k)fluoranthene	15.021	252	82006	12.275	ng	# 92
90) Benzo(a)pyrene	15.386	252	46280	7.674	ng	# 93
92) Benzo(g,h,i)perylene	17.356	276	25504	7.923	ng	# 90

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

Quant Time: Jan 11 00:41:56 2023
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QLast Update : Tue Jan 10 00:32:25 2023
Response via : Initial Calibration

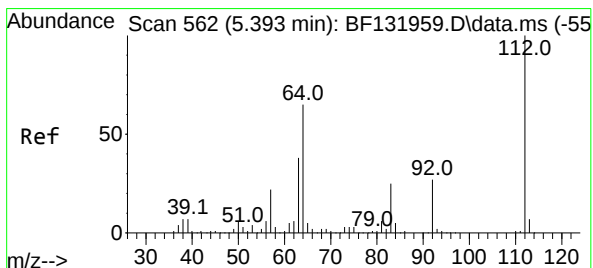
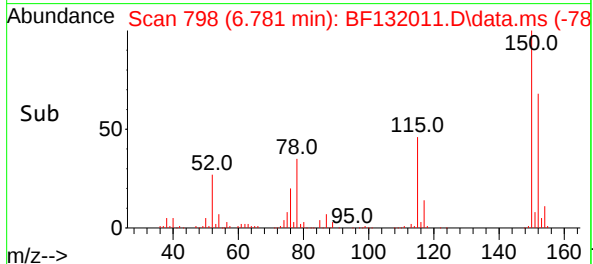
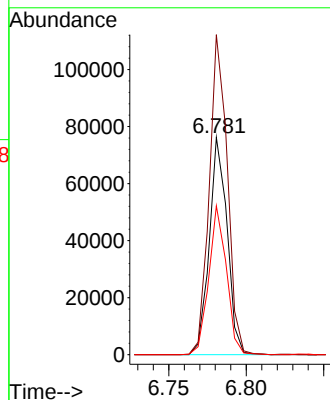
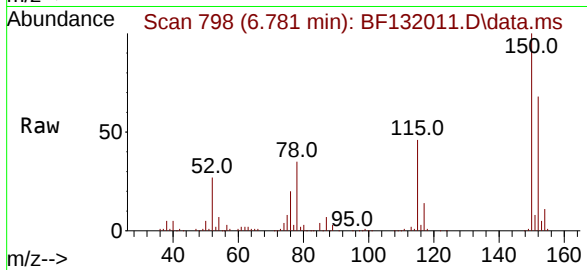




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.781 min Scan# 799
 Delta R.T. -0.006 min
 Lab File: BF132011.D
 Acq: 10 Jan 2023 23:08

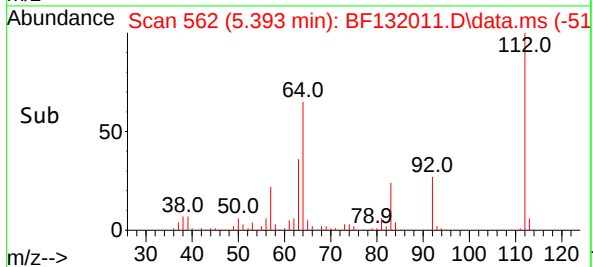
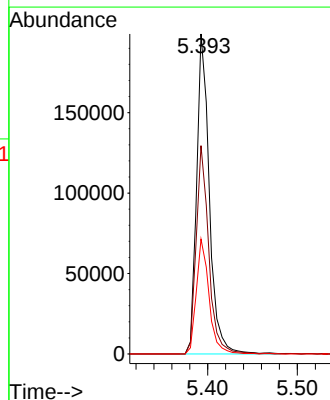
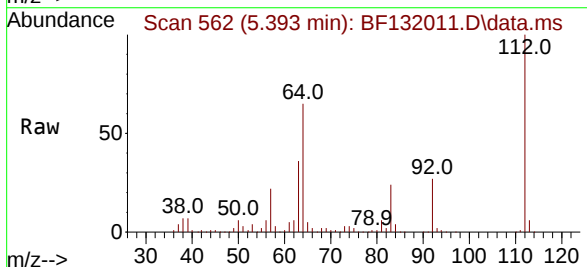
Instrument :
 BNA_F
 ClientSampleId :
 PL-2-010923

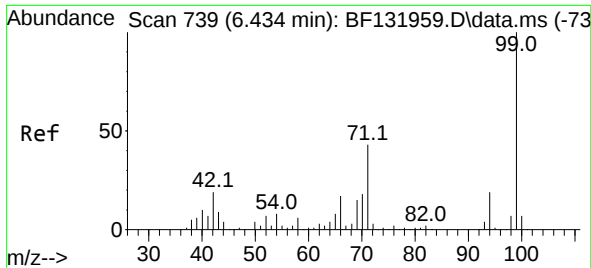
Tgt Ion:152 Resp: 60920
 Ion Ratio Lower Upper
 152 100
 150 147.3 124.6 186.8
 115 68.5 55.6 83.4



#5
 2-Fluorophenol
 Concen: 53.028 ng
 RT: 5.393 min Scan# 562
 Delta R.T. -0.000 min
 Lab File: BF132011.D
 Acq: 10 Jan 2023 23:08

Tgt Ion:112 Resp: 196050
 Ion Ratio Lower Upper
 112 100
 64 65.1 51.9 77.9
 63 35.9 30.2 45.2

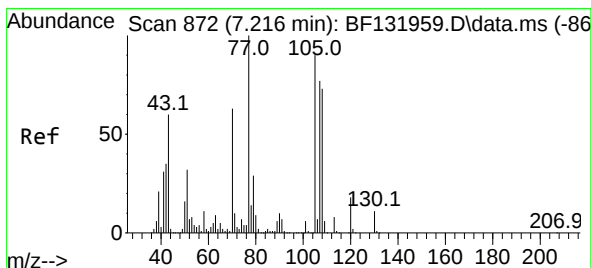
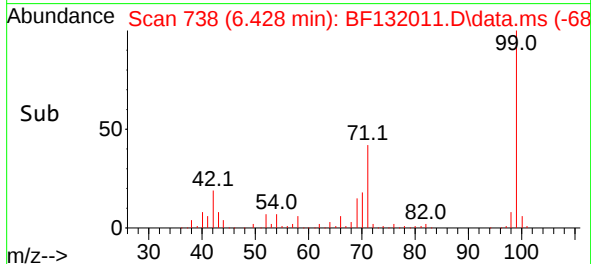
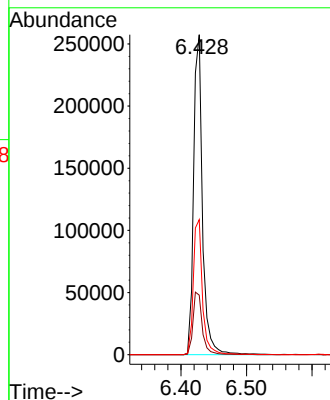
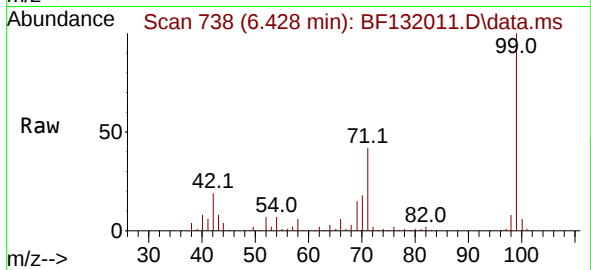




#7
Phenol-d6
Concen: 49.478 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF132011.D
Acq: 10 Jan 2023 23:08

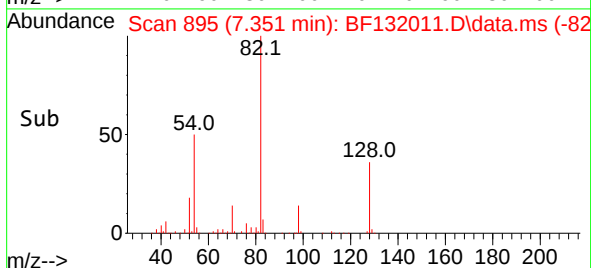
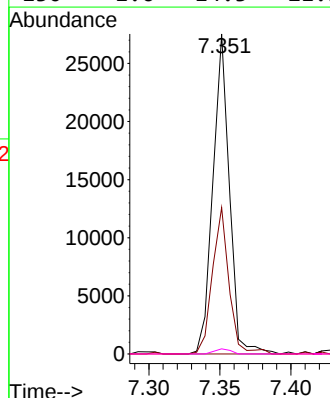
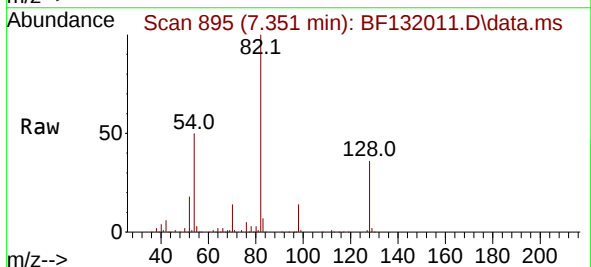
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PL-2-010923

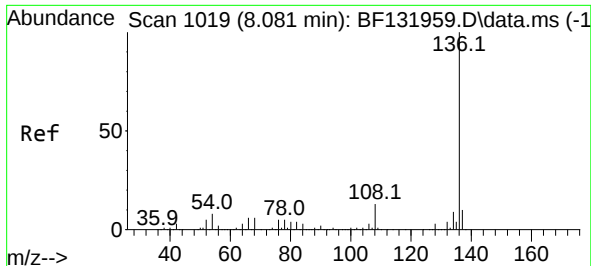
Tgt Ion: 99 Resp: 242536
Ion Ratio Lower Upper
99 100
42 18.6 15.4 23.2
71 42.2 34.6 51.8



#19
n-Nitroso-di-n-propylamine
Concen: 6.257 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.135 min
Lab File: BF132011.D
Acq: 10 Jan 2023 23:08

Tgt Ion: 70 Resp: 22188
Ion Ratio Lower Upper
70 100
42 45.8 44.3 66.5
101 0.0 7.5 11.3#
130 1.6 14.3 21.5#



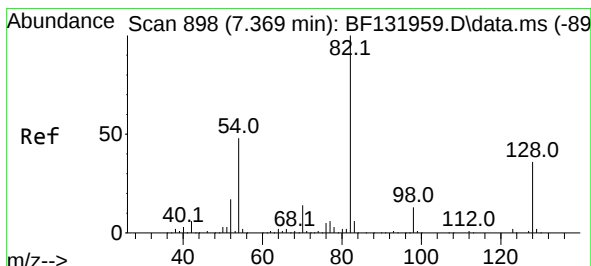
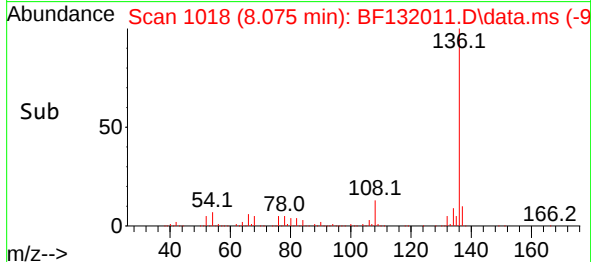
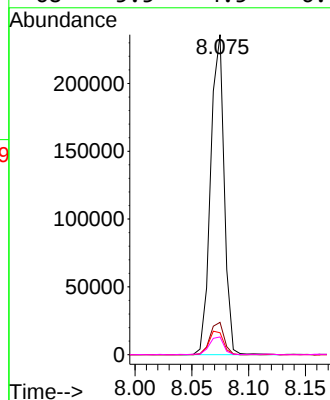
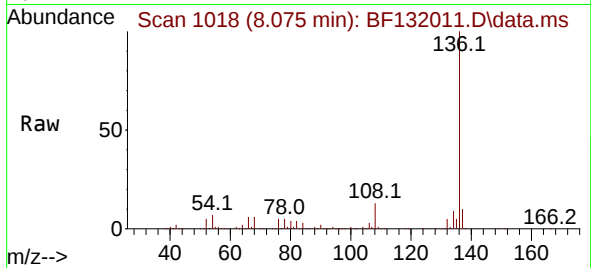


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF132011.D
Acq: 10 Jan 2023 23:08

Instrument :
BNA_F
ClientSampleId :
PL-2-010923

Tgt Ion:136 Resp: 195291

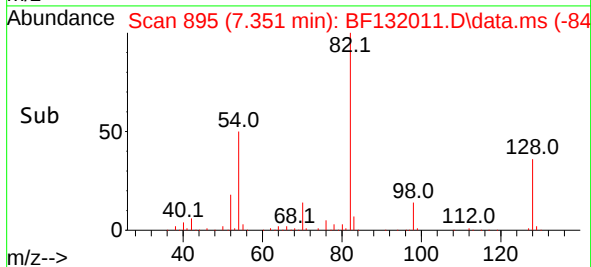
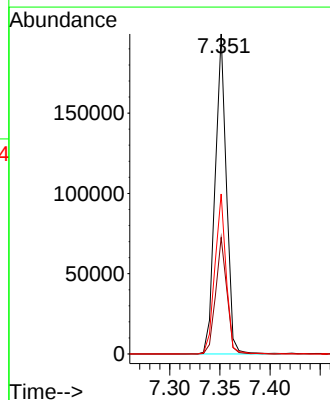
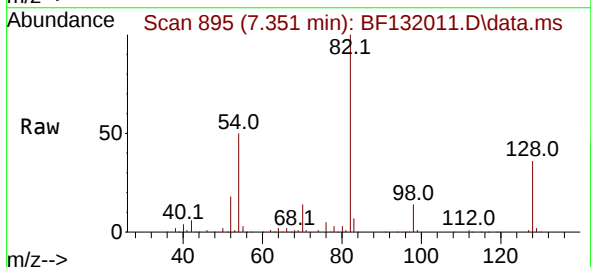
Ion	Ratio	Lower	Upper
136	100		
137	10.1	8.2	12.2
54	6.9	6.6	9.8
68	5.5	4.5	6.7

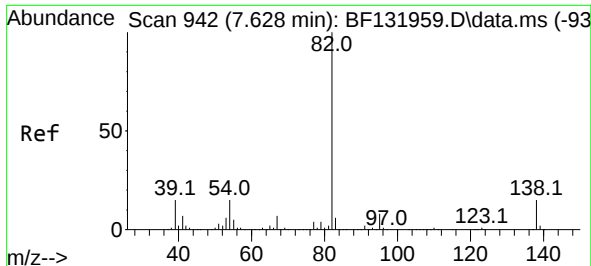


#23
Nitrobenzene-d5
Concen: 33.199 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF132011.D
Acq: 10 Jan 2023 23:08

Tgt Ion: 82 Resp: 156216

Ion	Ratio	Lower	Upper
82	100		
128	36.4	28.7	43.1
54	50.0	38.1	57.1

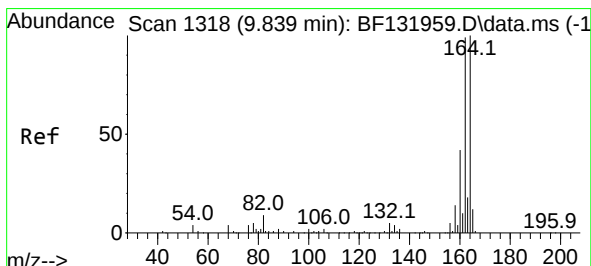
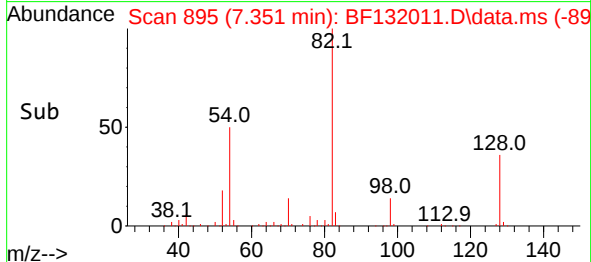
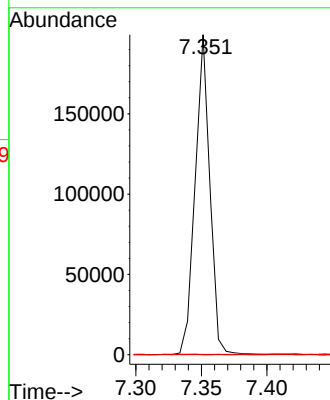
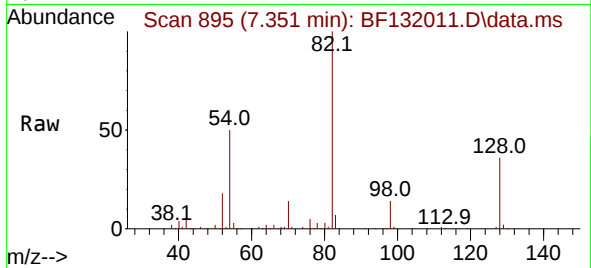




#25
Isophorone
Concen: 17.543 ng
RT: 7.351 min Scan# 89
Delta R.T. -0.277 min
Lab File: BF132011.D
Acq: 10 Jan 2023 23:08

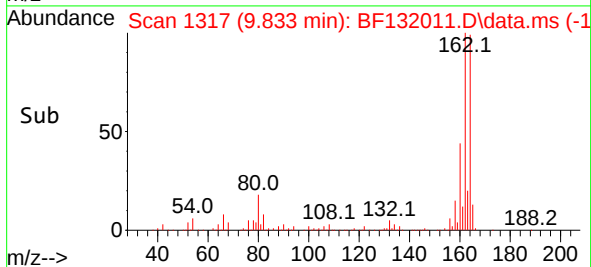
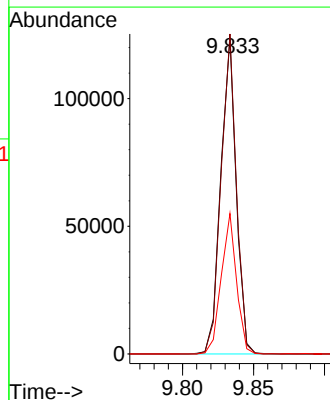
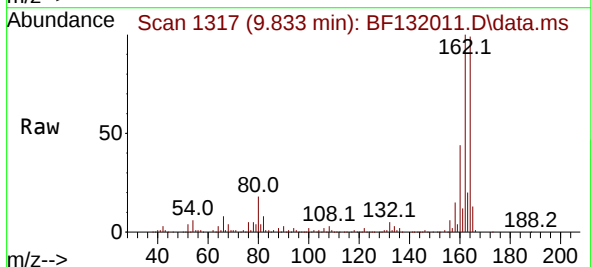
Instrument :
BNA_F
ClientSampleId :
PL-2-010923

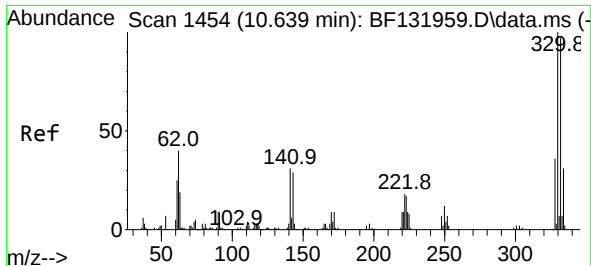
Tgt Ion: 82 Resp: 154208
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 11.9 17.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF132011.D
Acq: 10 Jan 2023 23:08

Tgt Ion: 164 Resp: 93658
Ion Ratio Lower Upper
164 100
162 101.1 79.4 119.0
160 44.4 33.9 50.9





#42

2,4,6-Tribromophenol

Concen: 42.575 ng

RT: 10.628 min Scan# 1454

Delta R.T. -0.012 min

Lab File: BF132011.D

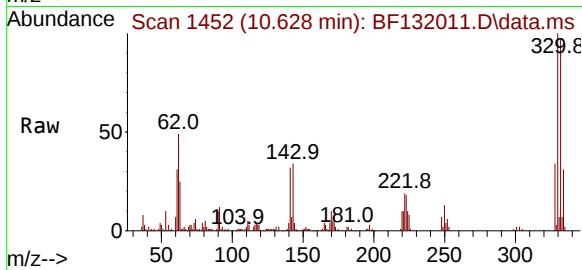
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Instrument :

BNA_F

ClientSampleId :

PL-2-010923



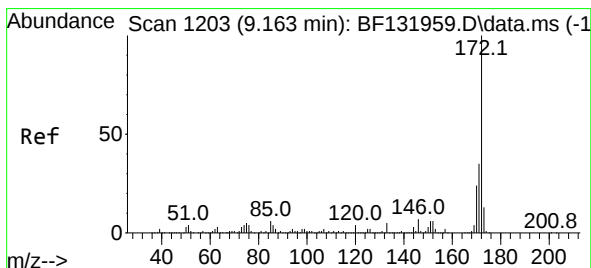
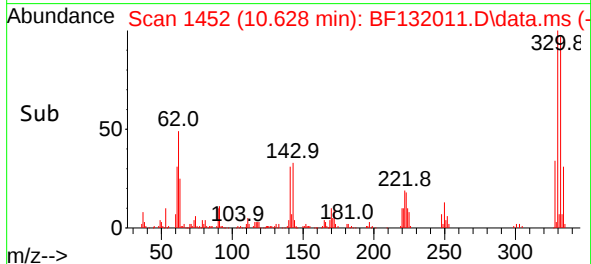
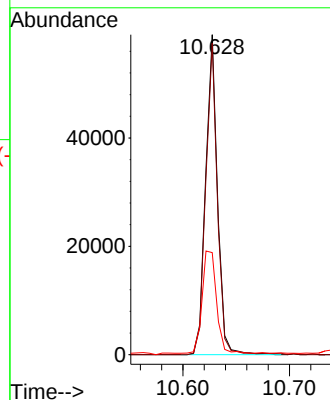
Tgt Ion:330 Resp: 45847

Ion Ratio Lower Upper

330 100

332 95.3 76.9 115.3

141 38.4 31.3 46.9



#45

2-Fluorobiphenyl

Concen: 33.313 ng

RT: 9.151 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF132011.D

Acq: 10 Jan 2023 23:08

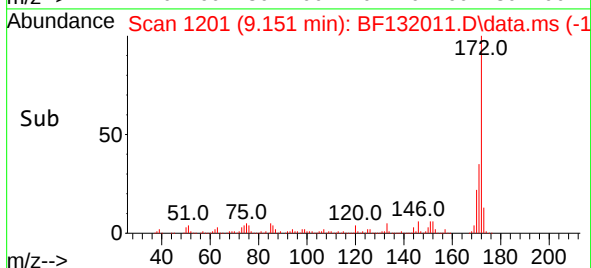
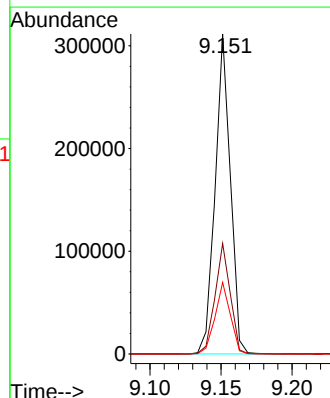
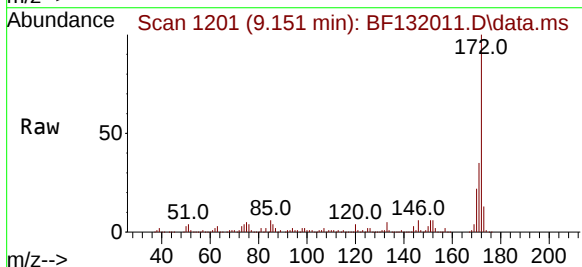
Tgt Ion:172 Resp: 231117

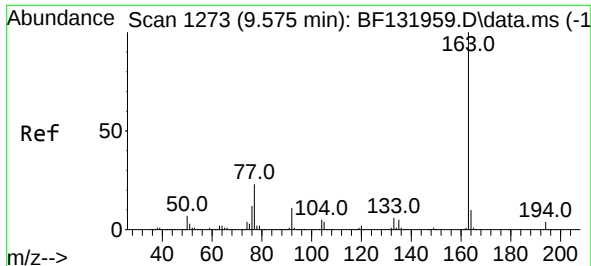
Ion Ratio Lower Upper

172 100

171 34.6 28.0 42.0

170 22.3 18.9 28.3

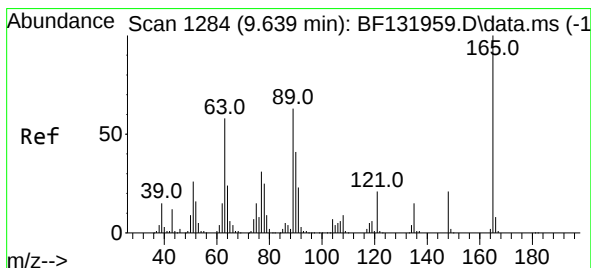
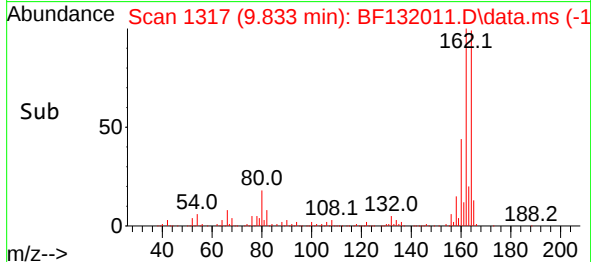
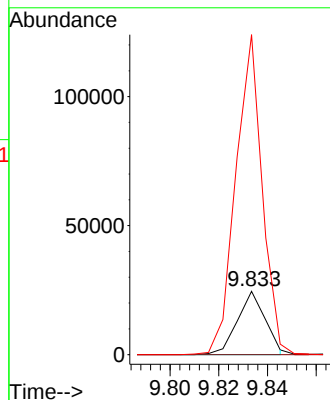
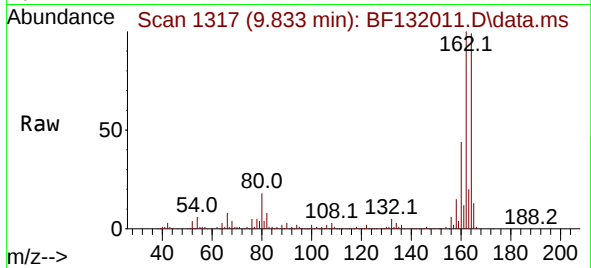




#50
Dimethylphthalate
Concen: 2.685 ng
RT: 9.833 min Scan# 11
Delta R.T. 0.259 min
Lab File: BF132011.D
Acq: 10 Jan 2023 23:08

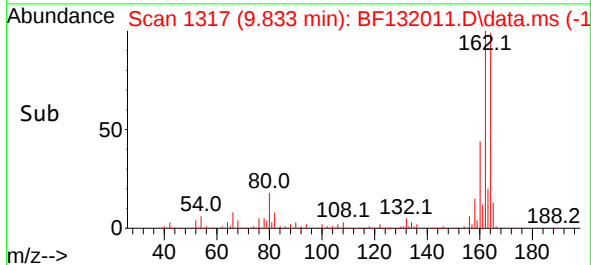
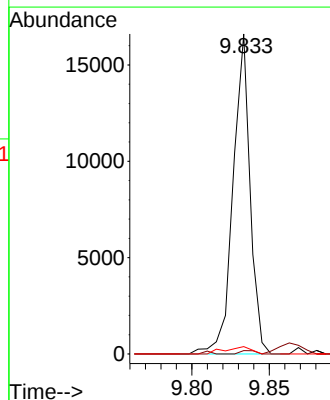
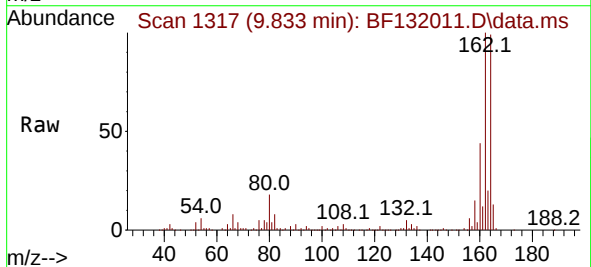
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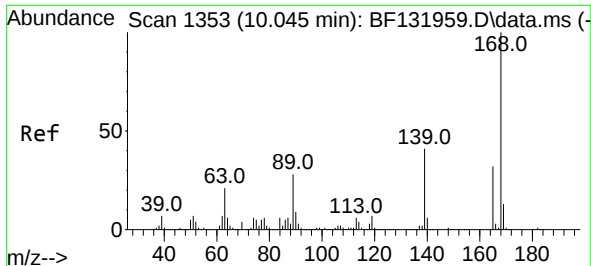
Tgt Ion:163 Resp: 19601
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 504.8 7.8 11.6#



#51
2,6-Dinitrotoluene
Concen: 8.264 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.194 min
Lab File: BF132011.D
Acq: 10 Jan 2023 23:08

Tgt Ion:165 Resp: 12689
Ion Ratio Lower Upper
165 100
63 1.0 47.4 71.0#
89 2.3 50.2 75.2#

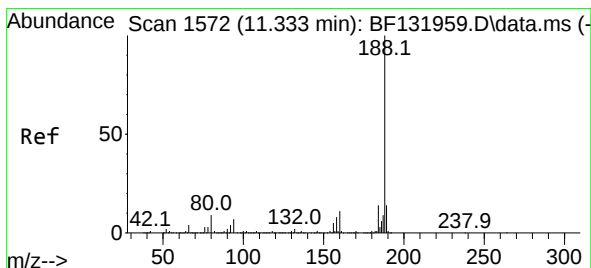
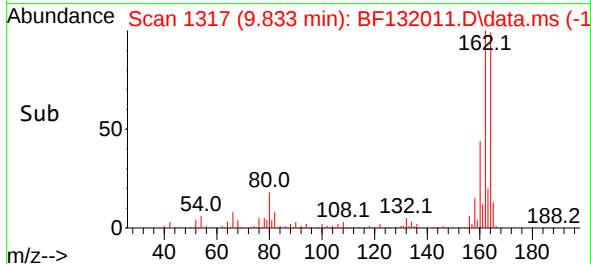
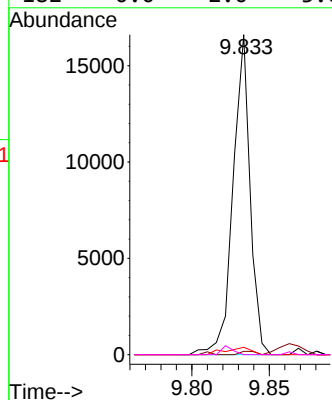
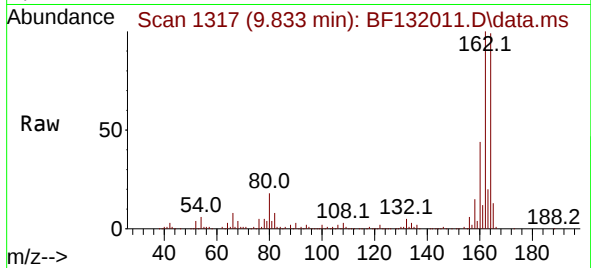




#57
2,4-Dinitrotoluene
Concen: 6.181 ng
RT: 9.833 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF132011.D
Acq: 10 Jan 2023 23:08

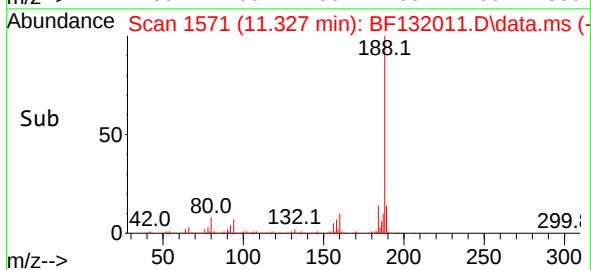
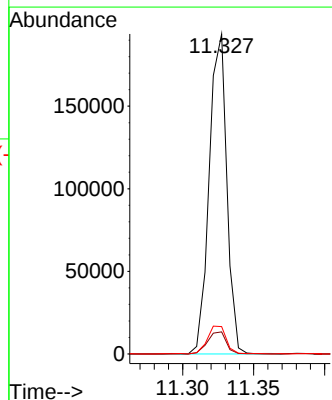
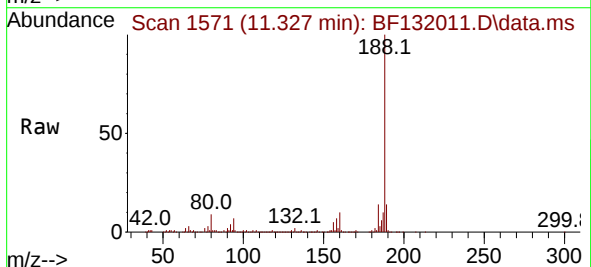
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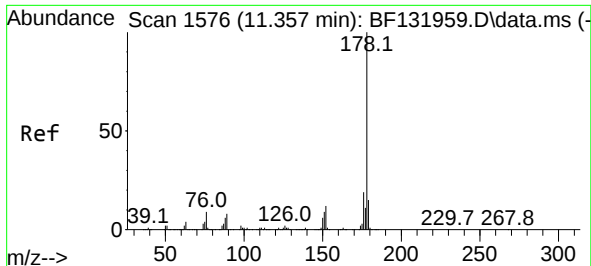
Tgt Ion:165 Resp: 12689
Ion Ratio Lower Upper
165 100
63 1.0 53.2 79.8#
89 2.3 71.2 106.8#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF132011.D
Acq: 10 Jan 2023 23:08

Tgt Ion:188 Resp: 167577
Ion Ratio Lower Upper
188 100
94 6.9 5.8 8.6
80 8.6 7.4 11.0

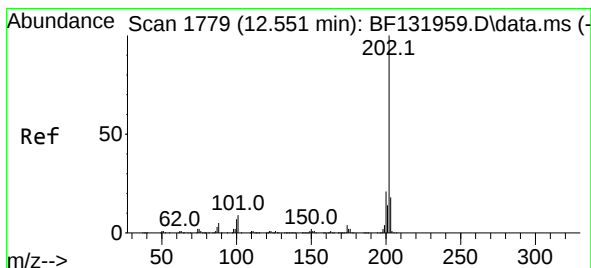
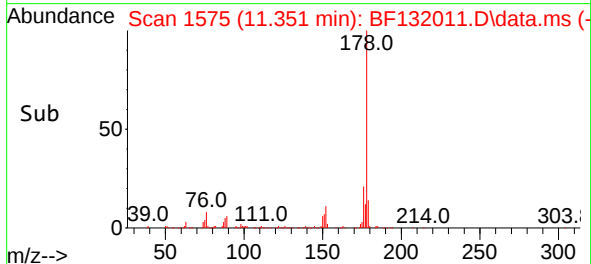
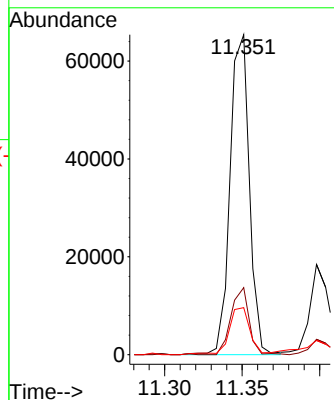
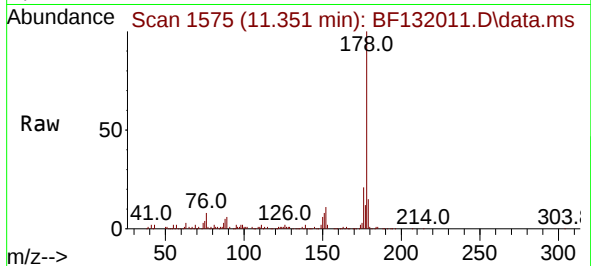




#71
Phenanthrene
Concen: 6.507 ng
RT: 11.351 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132011.D
Acq: 10 Jan 2023 23:08

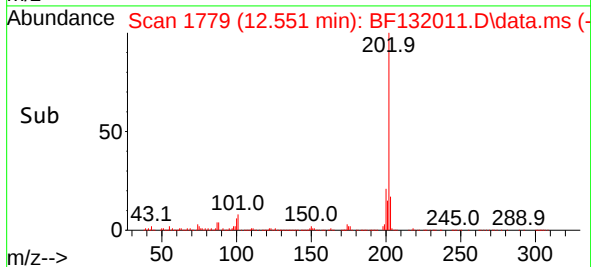
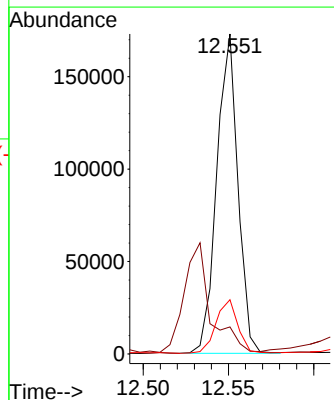
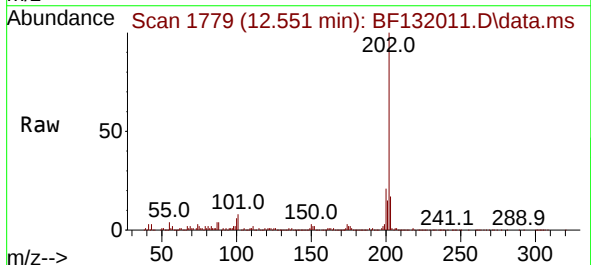
Instrument :
BNA_F
ClientSampleId :
PL-2-010923

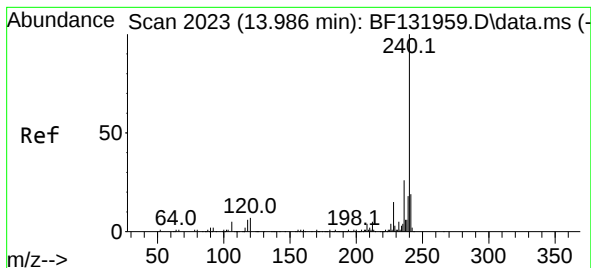
Tgt Ion:178 Resp: 56844
Ion Ratio Lower Upper
178 100
176 20.9 15.5 23.3
179 14.7 12.4 18.6



#75
Fluoranthene
Concen: 15.207 ng
RT: 12.551 min Scan# 1779
Delta R.T. -0.000 min
Lab File: BF132011.D
Acq: 10 Jan 2023 23:08

Tgt Ion:202 Resp: 149406
Ion Ratio Lower Upper
202 100
101 8.5 0.0 28.8
203 16.9 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.980 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF132011.D

Acq: 10 Jan 2023 23:08

Instrument :

BNA_F

ClientSampleId :

PL-2-010923

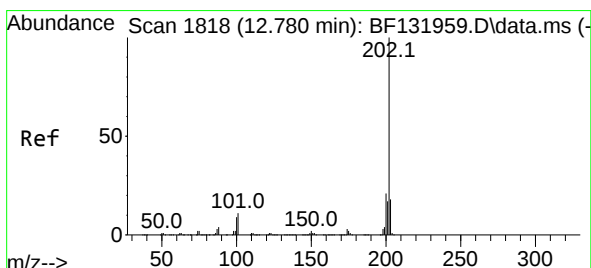
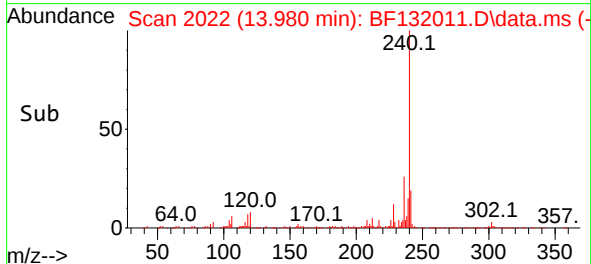
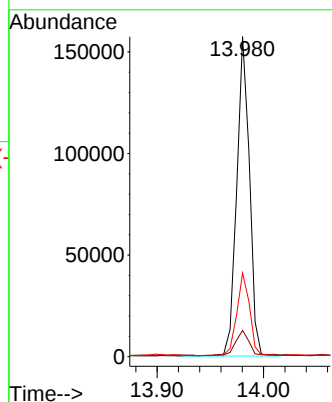
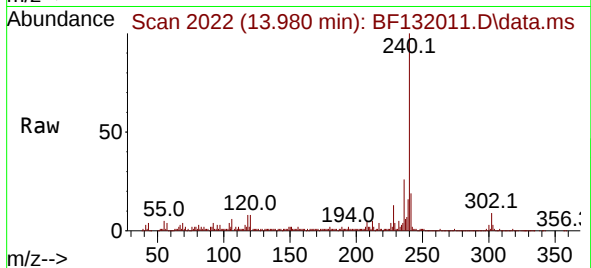
Tgt Ion:240 Resp: 131105

Ion Ratio Lower Upper

240 100

120 8.2 5.4 8.0#

236 26.1 21.1 31.7



#78

Pyrene

Concen: 12.188 ng

RT: 12.780 min Scan# 1818

Delta R.T. -0.000 min

Lab File: BF132011.D

Acq: 10 Jan 2023 23:08

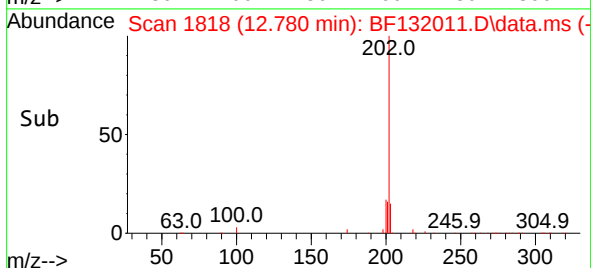
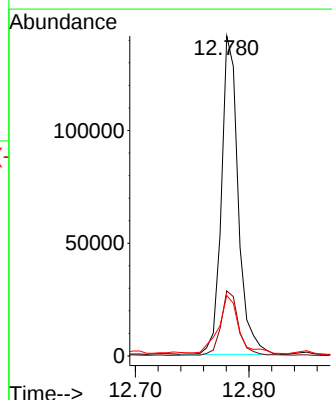
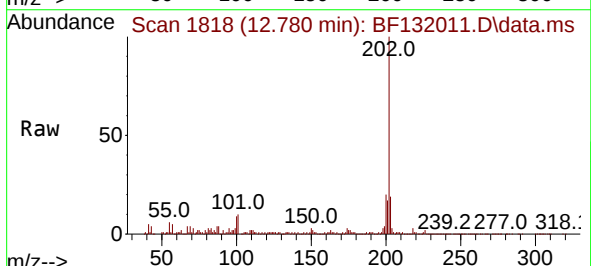
Tgt Ion:202 Resp: 145739

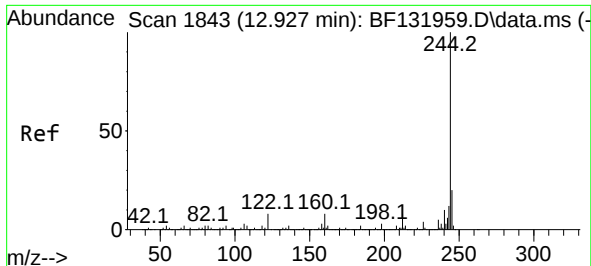
Ion Ratio Lower Upper

202 100

200 20.4 17.0 25.6

203 18.9 14.1 21.1

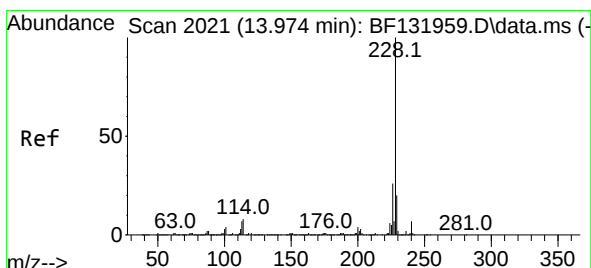
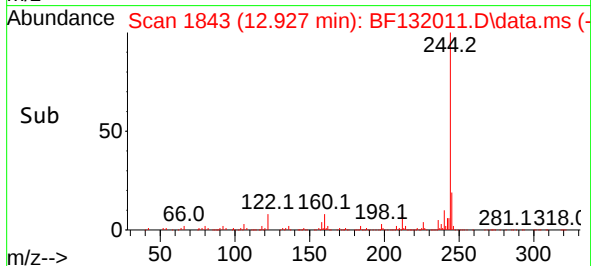
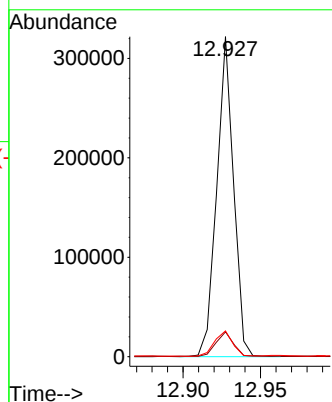
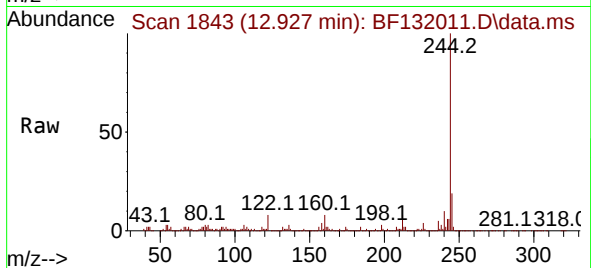




#79
 Terphenyl-d14
 Concen: 26.536 ng
 RT: 12.927 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF132011.D
 Acq: 10 Jan 2023 23:08

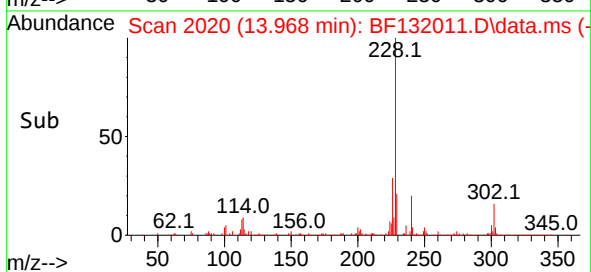
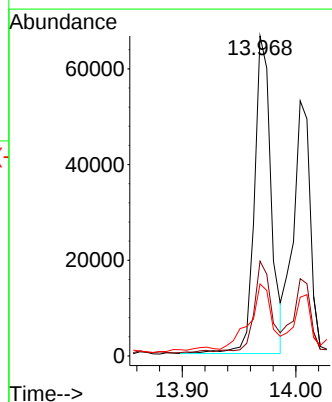
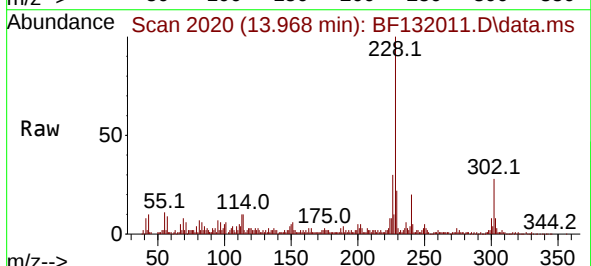
Instrument :
 BNA_F
 ClientSampleId :
 PL-2-010923

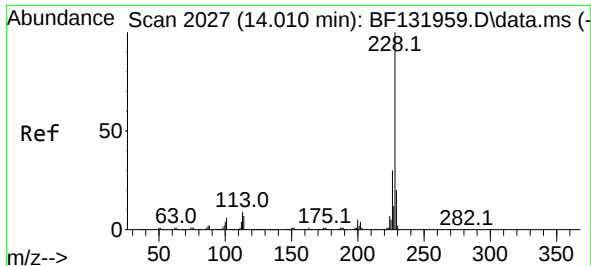
Tgt Ion:244 Resp: 242727
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.3 9.5
 122 8.1 6.8 10.2



#81
 Benzo(a)anthracene
 Concen: 7.126 ng
 RT: 13.968 min Scan# 2020
 Delta R.T. -0.006 min
 Lab File: BF132011.D
 Acq: 10 Jan 2023 23:08

Tgt Ion:228 Resp: 67967
 Ion Ratio Lower Upper
 228 100
 226 29.6 21.0 31.4
 229 22.5 15.8 23.6





#83

Chrysene

Concen: 6.223 ng

RT: 14.004 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF132011.D

Acq: 10 Jan 2023 23:08

Instrument :

BNA_F

ClientSampleId :

PL-2-010923

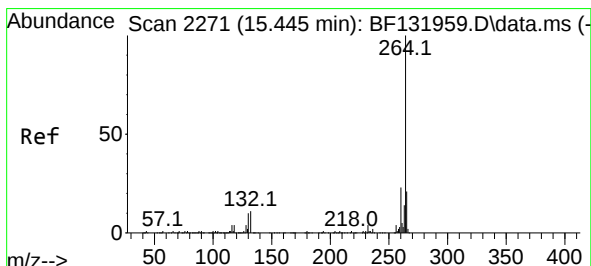
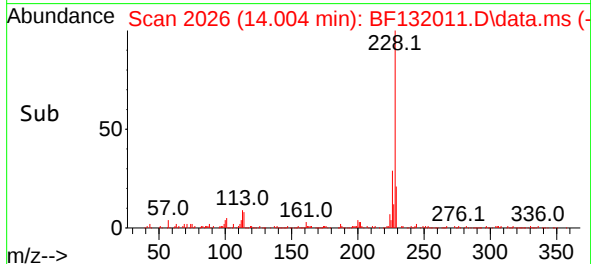
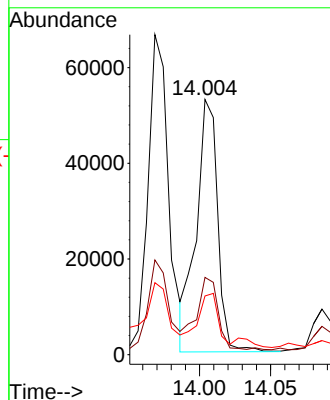
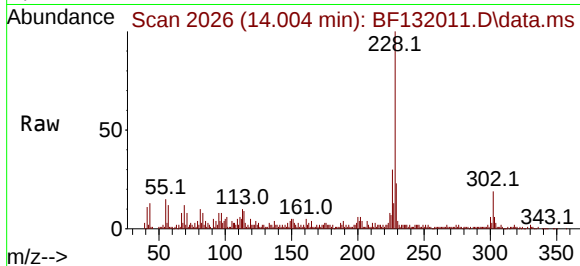
Tgt Ion:228 Resp: 55476

Ion Ratio Lower Upper

228 100

226 30.3 24.0 36.0

229 23.0 16.2 24.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 2272

Delta R.T. 0.006 min

Lab File: BF132011.D

Acq: 10 Jan 2023 23:08

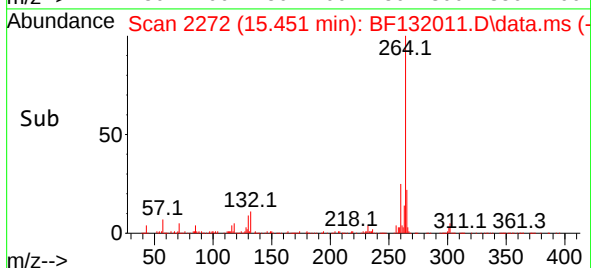
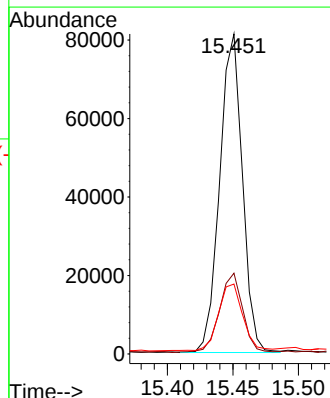
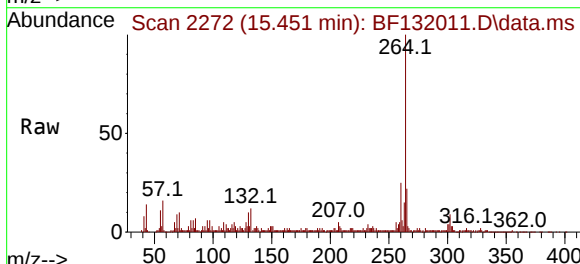
Tgt Ion:264 Resp: 97596

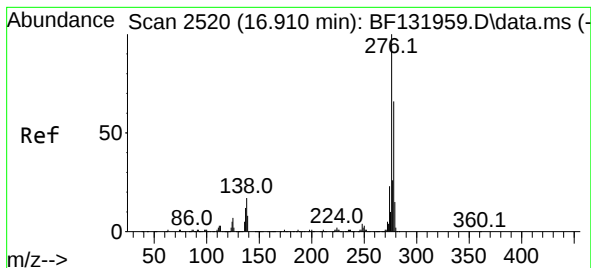
Ion Ratio Lower Upper

264 100

260 25.2 18.3 27.5

265 21.8 16.9 25.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.118 ng

RT: 16.915 min Scan# 2199

Delta R.T. 0.006 min

Lab File: BF132011.D

Acq: 10 Jan 2023 23:08

Instrument :

BNA_F

ClientSampleId :

PL-2-010923

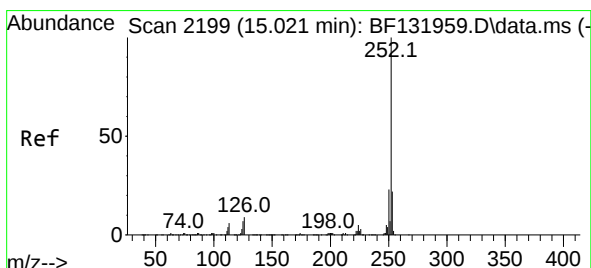
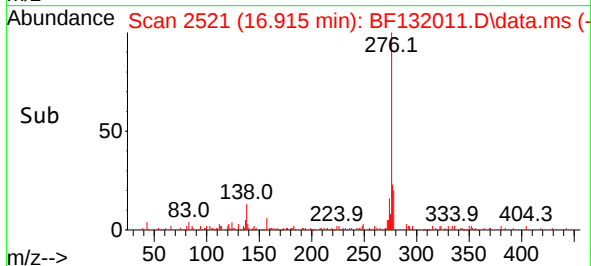
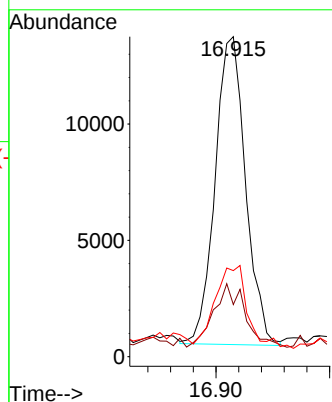
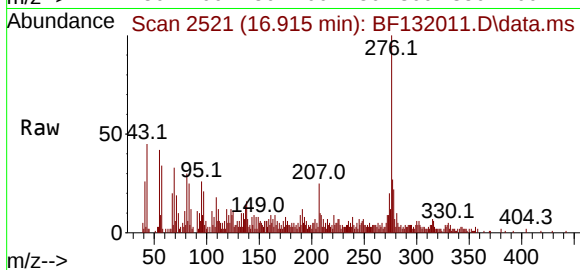
Tgt Ion:276 Resp: 24651

Ion Ratio Lower Upper

276 100

138 21.3 14.2 21.2#

277 28.6 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 12.251 ng

RT: 15.021 min Scan# 2199

Delta R.T. -0.000 min

Lab File: BF132011.D

Acq: 10 Jan 2023 23:08

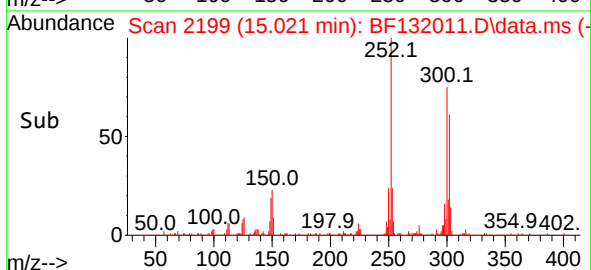
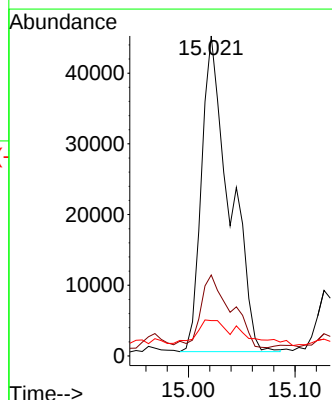
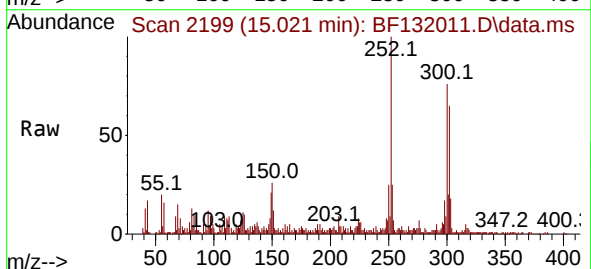
Tgt Ion:252 Resp: 82006

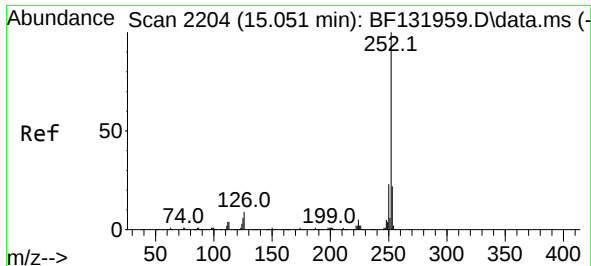
Ion Ratio Lower Upper

252 100

253 25.3 18.0 27.0

125 11.1 5.8 8.6#





#89

Benzo(k)fluoranthene

Concen: 12.275 ng

RT: 15.021 min Scan# 2199

Delta R.T. -0.030 min

Lab File: BF132011.D

Acq: 10 Jan 2023 23:08

Instrument :

BNA_F

ClientSampleId :

PL-2-010923

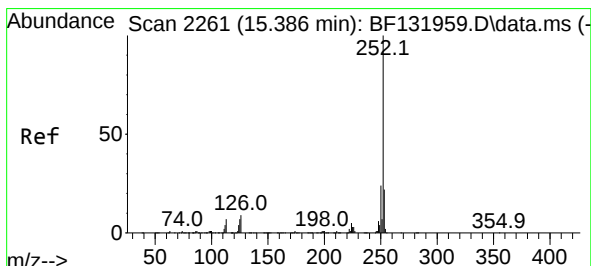
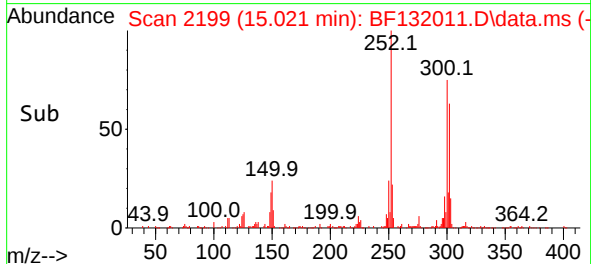
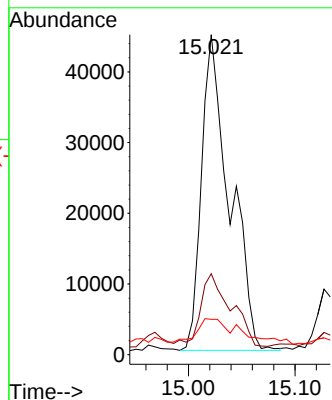
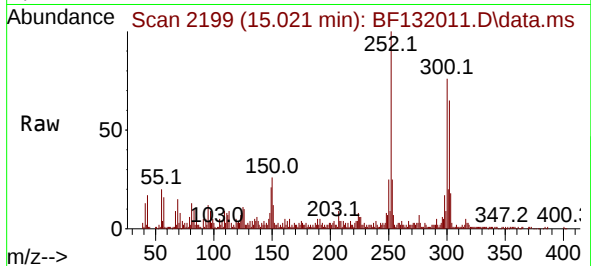
Tgt Ion:252 Resp: 82006

Ion Ratio Lower Upper

252 100

253 25.3 17.8 26.6

125 11.1 5.2 7.8#



#90

Benzo(a)pyrene

Concen: 7.674 ng

RT: 15.386 min Scan# 2261

Delta R.T. -0.000 min

Lab File: BF132011.D

Acq: 10 Jan 2023 23:08

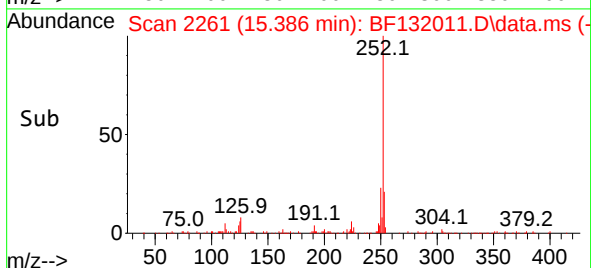
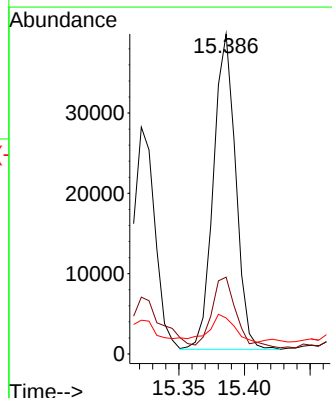
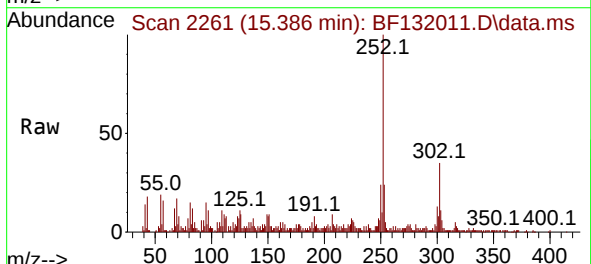
Tgt Ion:252 Resp: 46280

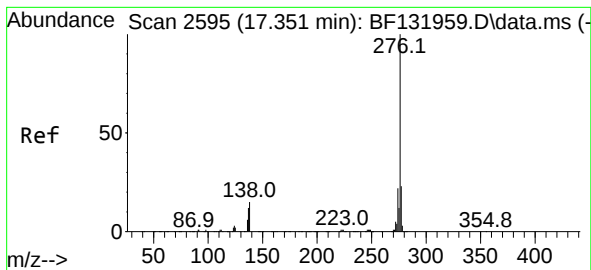
Ion Ratio Lower Upper

252 100

253 24.0 17.4 26.0

125 11.3 5.7 8.5#





#92

Benzo(g,h,i)perylene

Concen: 7.923 ng

RT: 17.356 min Scan# 21

Delta R.T. 0.005 min

Lab File: BF132011.D

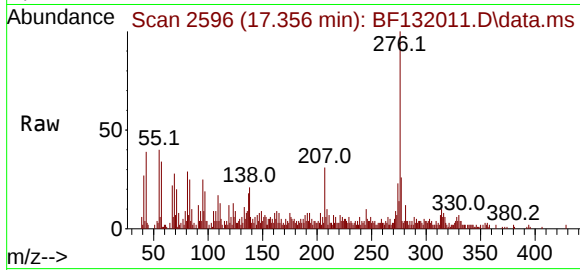
Acq: 10 Jan 2023 23:08

Instrument :

BNA_F

ClientSampleId :

PL-2-010923



Tgt Ion:276 Resp: 25504

Ion Ratio Lower Upper

276 100

277 26.0 18.2 27.2

138 21.0 11.7 17.5#

