

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010923\
 Data File : BF131980.D
 Acq On : 10 Jan 2023 00:13
 Operator : CG\JU
 Sample : N6243-05RE
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PE-5

Quant Time: Jan 10 03:16:53 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

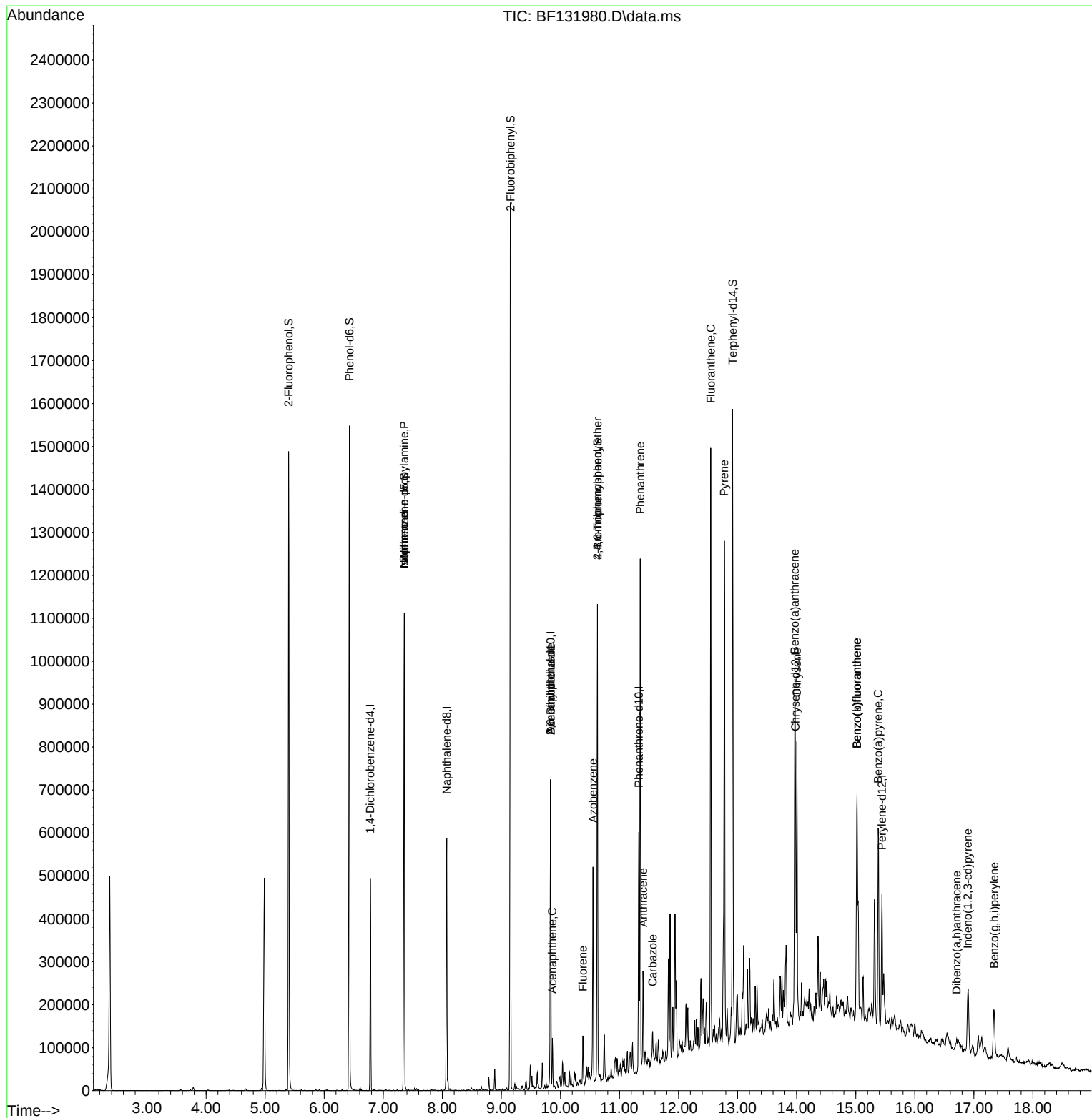
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	64306	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	233751	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	127725	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	202192	20.000	ng	0.00
76) Chrysene-d12	13.980	240	123726	20.000	ng	0.00
86) Perylene-d12	15.445	264	137055	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	370226	94.867	ng	0.00
7) Phenol-d6	6.428	99	475191	91.836	ng	0.00
23) Nitrobenzene-d5	7.357	82	360786	64.059	ng	-0.01
42) 2,4,6-Tribromophenol	10.627	330	108750	74.052	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	626945	66.264	ng	0.00
79) Terphenyl-d14	12.916	244	452456	52.414	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.357	70	51250	13.692	ng	# 76
25) Isophorone	7.357	82	358726	34.094	ng	# 69
50) Dimethylphthalate	9.833	163	27048	2.717	ng	# 1
51) 2,6-Dinitrotoluene	9.833	165	17848	8.523	ng	# 22
52) Acenaphthene	9.863	154	20911	2.934	ng	99
58) Fluorene	10.380	166	25260	2.815	ng	100
63) Azobenzene	10.551	77	85751	8.257	ng	# 1
67) 4-Bromophenyl-phenylether	10.627	248	7276	2.877	ng	# 1
71) Phenanthrene	11.351	178	375227	35.599	ng	99
72) Anthracene	11.398	178	81721	7.531	ng	98
73) Carbazole	11.563	167	23950	2.666	ng	99
75) Fluoranthene	12.545	202	519099	43.791	ng	100
78) Pyrene	12.774	202	506553	44.889	ng	99
81) Benzo(a)anthracene	13.968	228	284506	31.607	ng	97
83) Chrysene	14.004	228	236612	28.127	ng	98
87) Indeno(1,2,3-cd)pyrene	16.898	276	99355	11.820	ng	99
88) Benzo(b)fluoranthene	15.021	252	391739	41.673	ng	98
89) Benzo(k)fluoranthene	15.021	252	391739	41.756	ng	# 98
90) Benzo(a)pyrene	15.380	252	224574	26.515	ng	98
91) Dibenzo(a,h)anthracene	16.709	278	19048	2.703	ng	96
92) Benzo(g,h,i)perylene	17.345	276	91082	14.710	ng	98

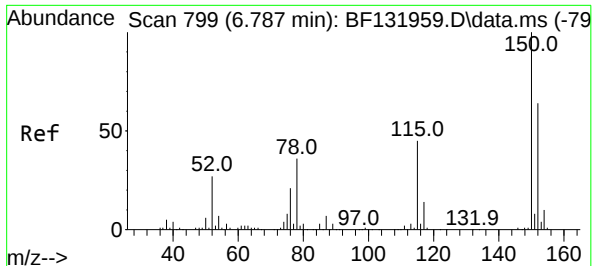
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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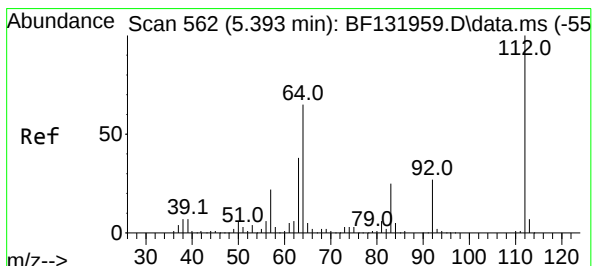
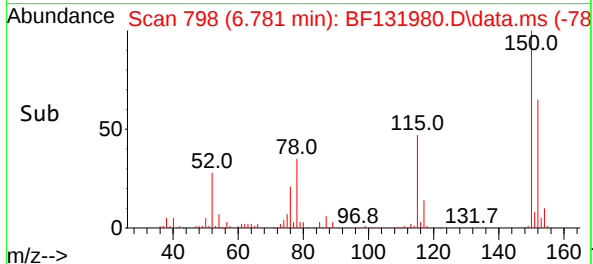
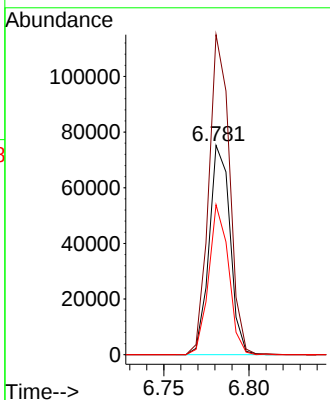
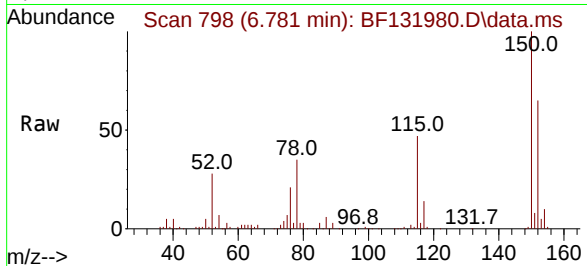




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 799
Delta R.T. -0.006 min
Lab File: BF131980.D
Acq: 10 Jan 2023 00:13

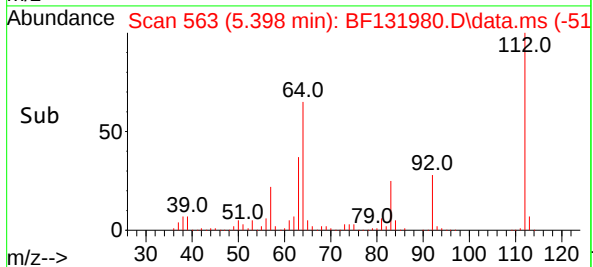
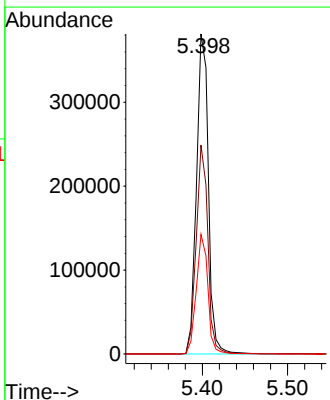
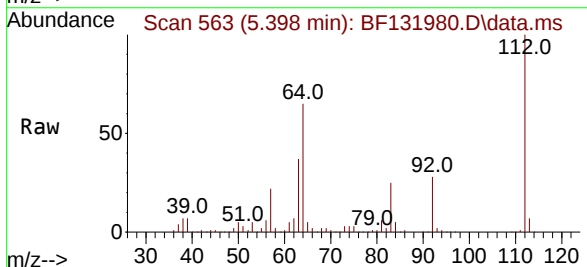
Instrument :
BNA_F
ClientSampleId :
PE-5

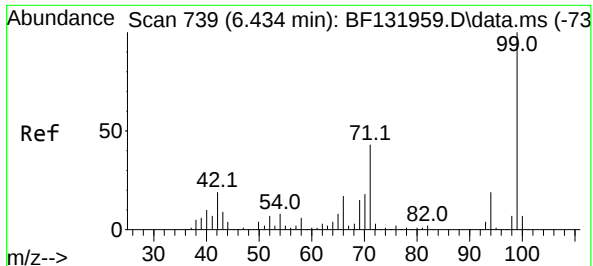
Tgt Ion:152 Resp: 64306
Ion Ratio Lower Upper
152 100
150 152.9 124.6 186.8
115 71.7 55.6 83.4



#5
2-Fluorophenol
Concen: 94.867 ng
RT: 5.398 min Scan# 563
Delta R.T. 0.006 min
Lab File: BF131980.D
Acq: 10 Jan 2023 00:13

Tgt Ion:112 Resp: 370226
Ion Ratio Lower Upper
112 100
64 65.2 51.9 77.9
63 37.3 30.2 45.2

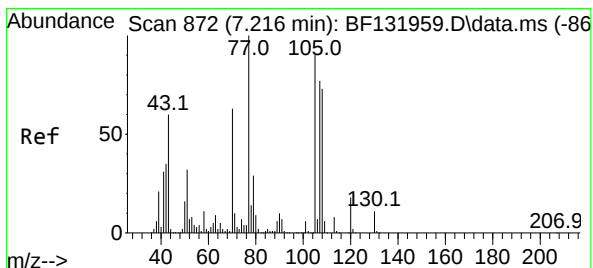
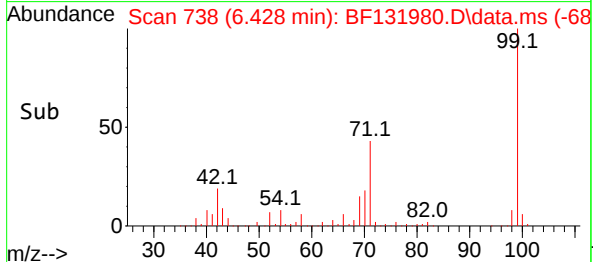
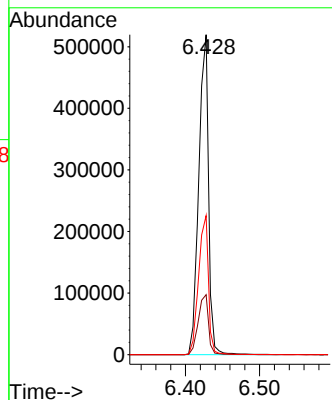
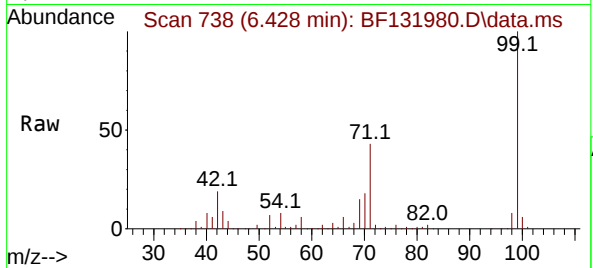




#7
Phenol-d6
Concen: 91.836 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF131980.D
Acq: 10 Jan 2023 00:13

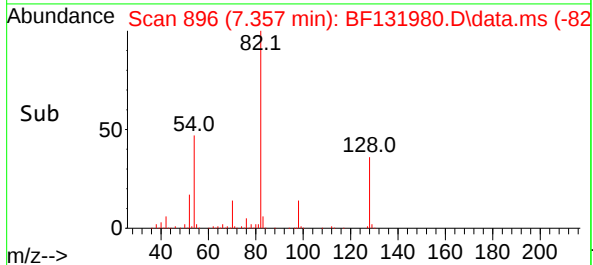
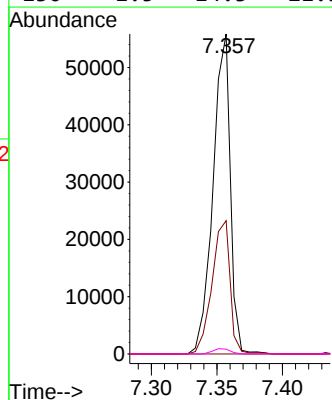
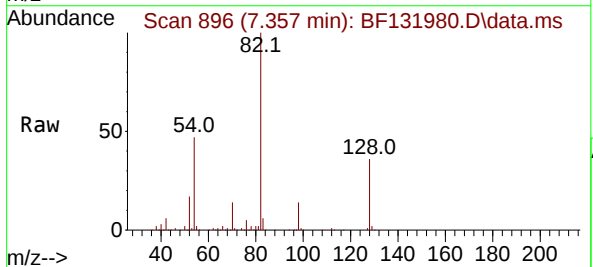
Instrument :
BNA_F
ClientSampleId :
PE-5

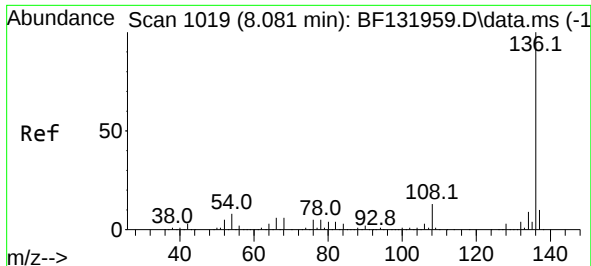
Tgt Ion: 99 Resp: 475191
Ion Ratio Lower Upper
99 100
42 18.8 15.4 23.2
71 43.5 34.6 51.8



#19
n-Nitroso-di-n-propylamine
Concen: 13.692 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.141 min
Lab File: BF131980.D
Acq: 10 Jan 2023 00:13

Tgt Ion: 70 Resp: 51250
Ion Ratio Lower Upper
70 100
42 41.6 44.3 66.5#
101 0.0 7.5 11.3#
130 1.5 14.3 21.5#

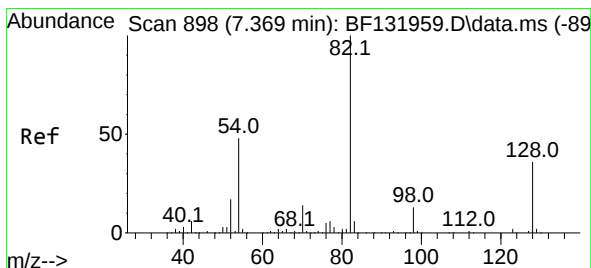
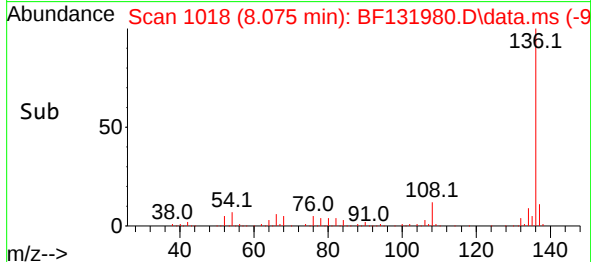
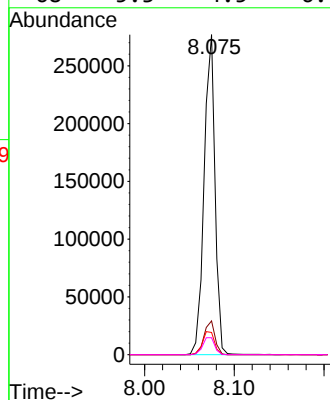
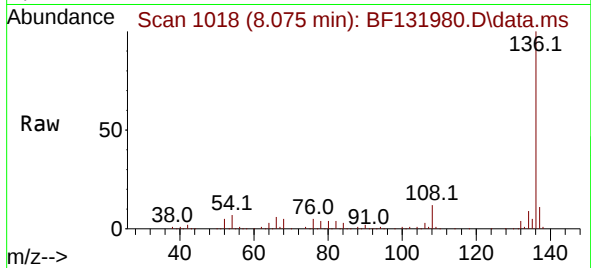




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF131980.D
Acq: 10 Jan 2023 00:13

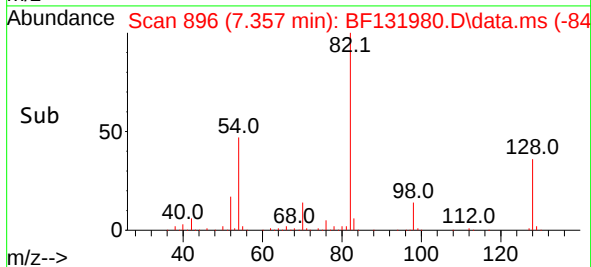
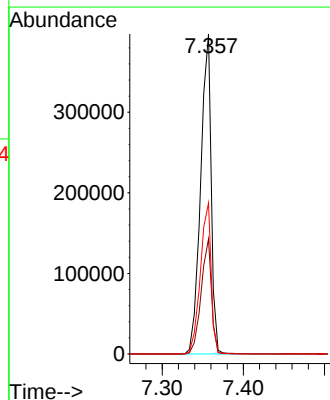
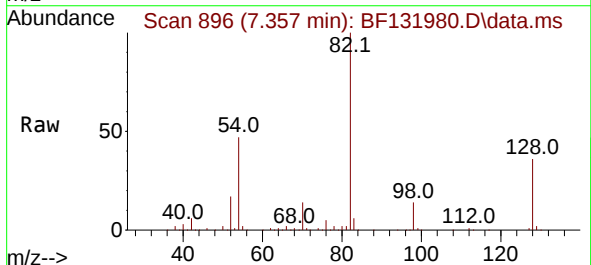
Instrument :
BNA_F
ClientSampleId :
PE-5

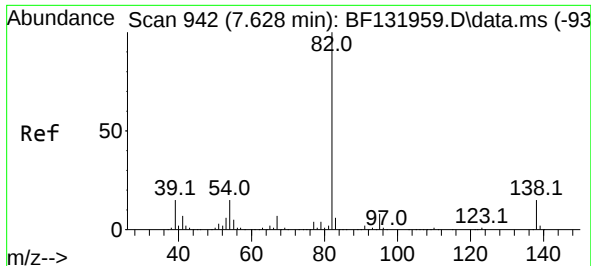
Tgt Ion:136 Resp: 233751
Ion Ratio Lower Upper
136 100
137 10.6 8.2 12.2
54 6.9 6.6 9.8
68 5.3 4.5 6.7



#23
Nitrobenzene-d5
Concen: 64.059 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF131980.D
Acq: 10 Jan 2023 00:13

Tgt Ion: 82 Resp: 360786
Ion Ratio Lower Upper
82 100
128 36.0 28.7 43.1
54 47.2 38.1 57.1

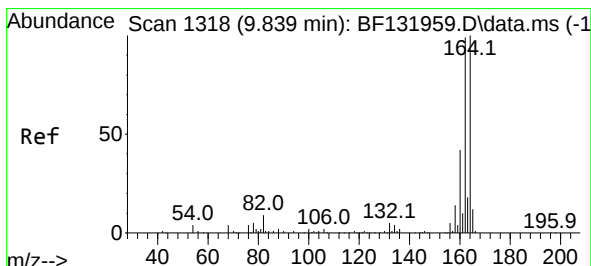
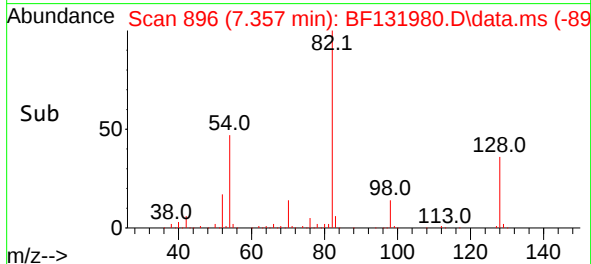
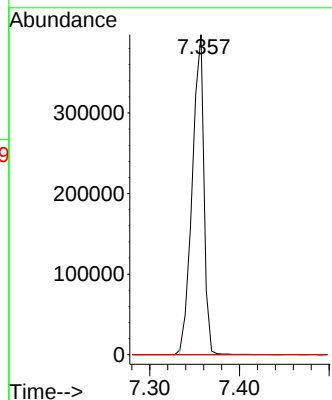
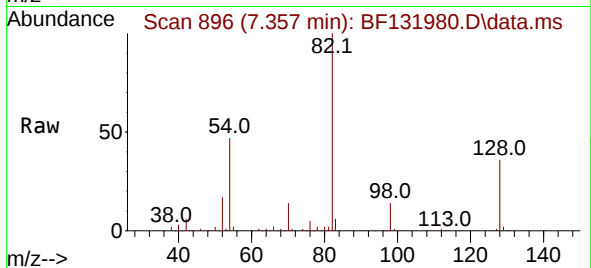




#25
Isophorone
Concen: 34.094 ng
RT: 7.357 min Scan# 89
Delta R.T. -0.271 min
Lab File: BF131980.D
Acq: 10 Jan 2023 00:13

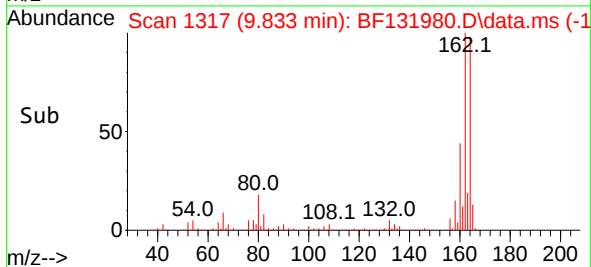
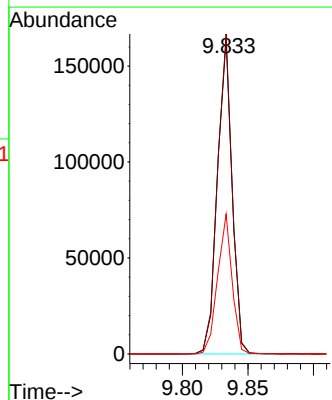
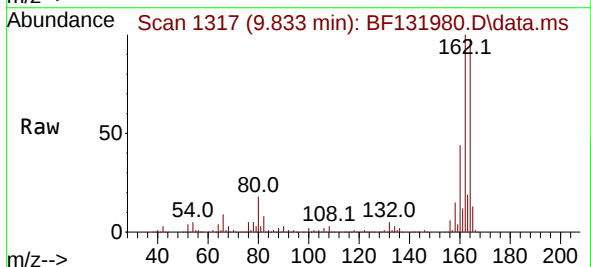
Instrument :
BNA_F
ClientSampleId :
PE-5

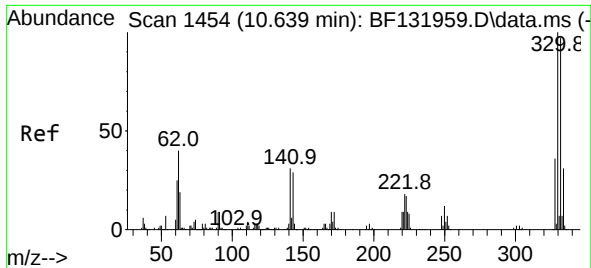
Tgt Ion: 82 Resp: 358726
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 11.9 17.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF131980.D
Acq: 10 Jan 2023 00:13

Tgt Ion:164 Resp: 127725
Ion Ratio Lower Upper
164 100
162 101.6 79.4 119.0
160 44.4 33.9 50.9

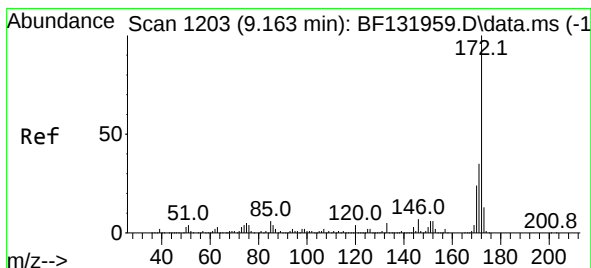
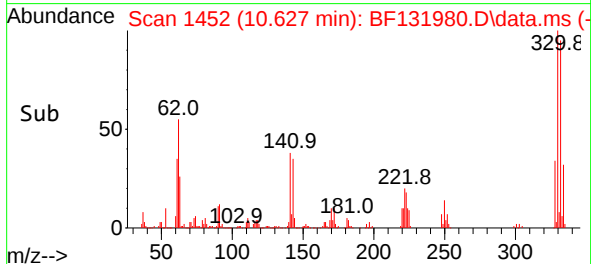
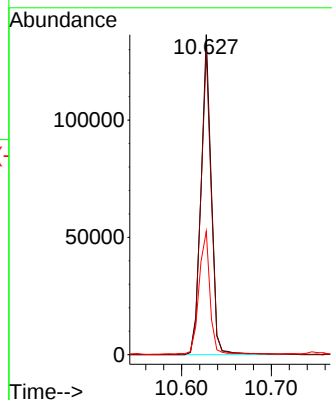
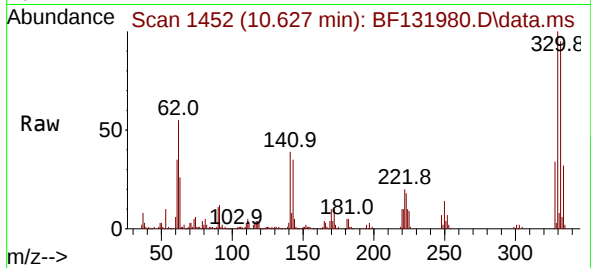




#42
2,4,6-Tribromophenol
Concen: 74.052 ng
RT: 10.627 min Scan# 1454
Delta R.T. -0.012 min
Lab File: BF131980.D
Acq: 10 Jan 2023 00:13

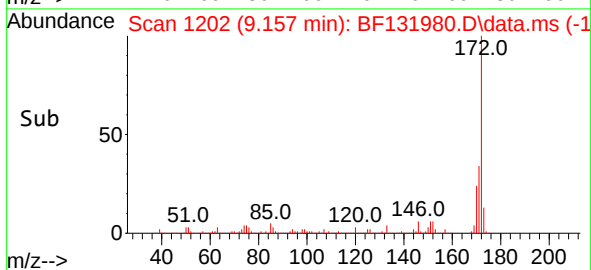
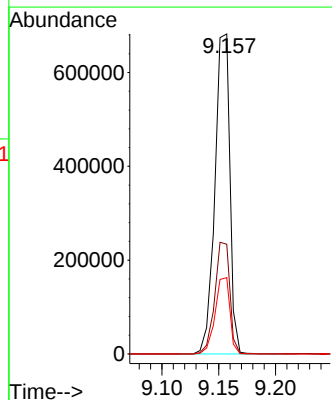
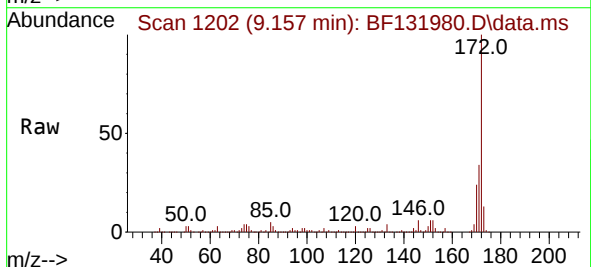
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ClientSampleId :
PE-5

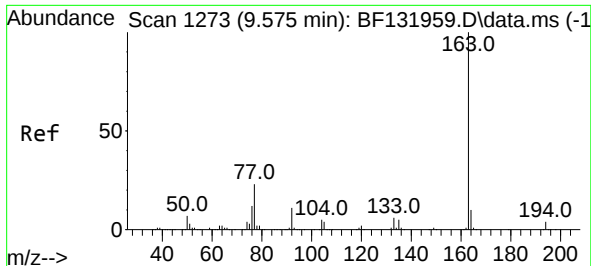
Tgt Ion: 330 Resp: 108750
Ion Ratio Lower Upper
330 100
332 95.8 76.9 115.3
141 41.3 31.3 46.9



#45
2-Fluorobiphenyl
Concen: 66.264 ng
RT: 9.157 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF131980.D
Acq: 10 Jan 2023 00:13

Tgt Ion: 172 Resp: 626945
Ion Ratio Lower Upper
172 100
171 34.3 28.0 42.0
170 23.9 18.9 28.3

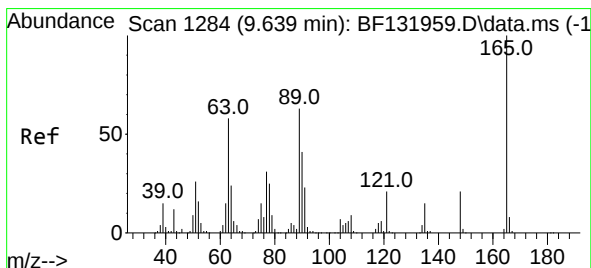
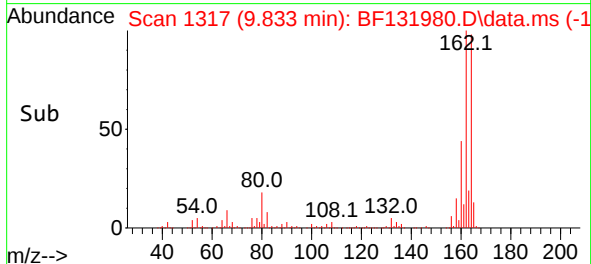
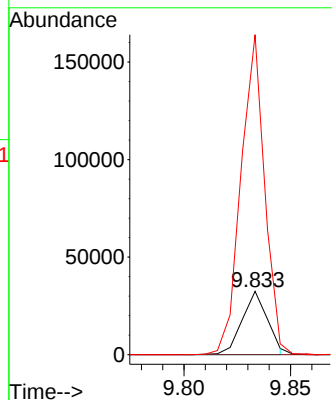
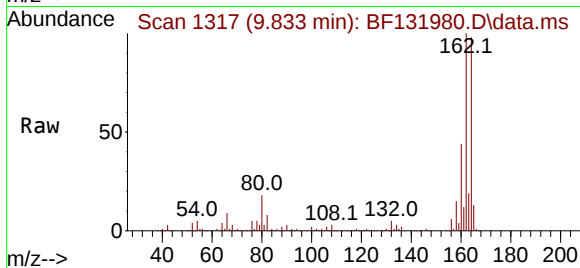




#50
Dimethylphthalate
Concen: 2.717 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.259 min
Lab File: BF131980.D
Acq: 10 Jan 2023 00:13

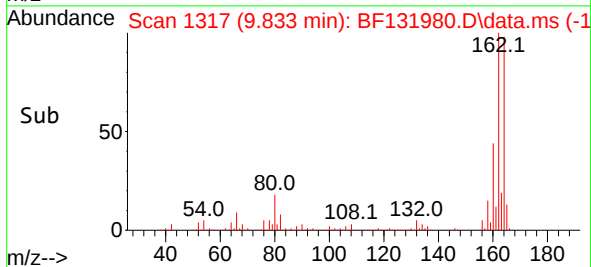
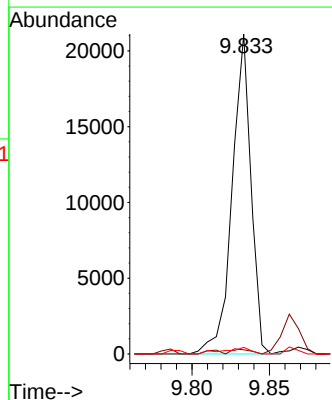
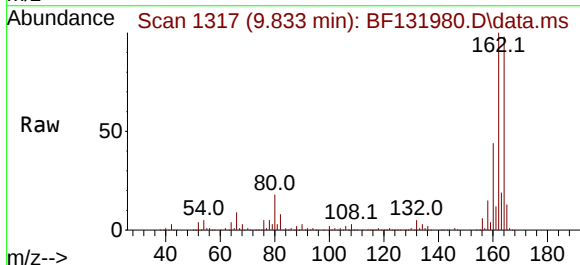
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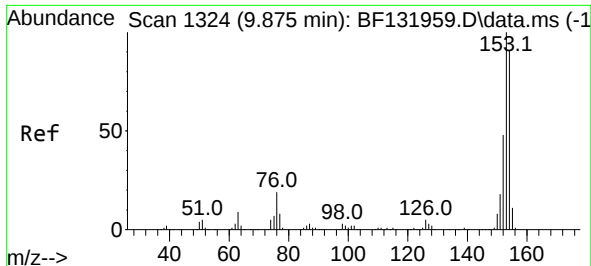
Tgt Ion:163 Resp: 27048
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 505.5 7.8 11.6#



#51
2,6-Dinitrotoluene
Concen: 8.523 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.194 min
Lab File: BF131980.D
Acq: 10 Jan 2023 00:13

Tgt Ion:165 Resp: 17848
Ion Ratio Lower Upper
165 100
63 1.3 47.4 71.0#
89 2.0 50.2 75.2#

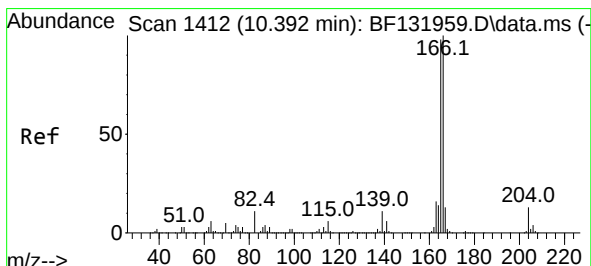
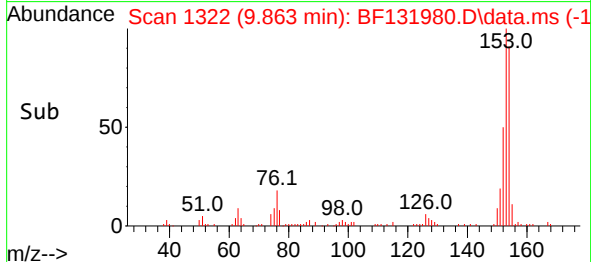
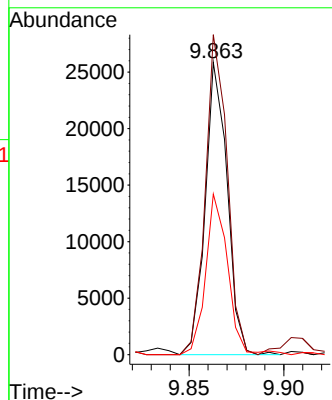
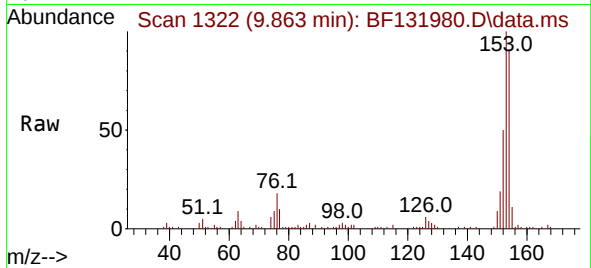




#52
Acenaphthene
Concen: 2.934 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF131980.D
Acq: 10 Jan 2023 00:13

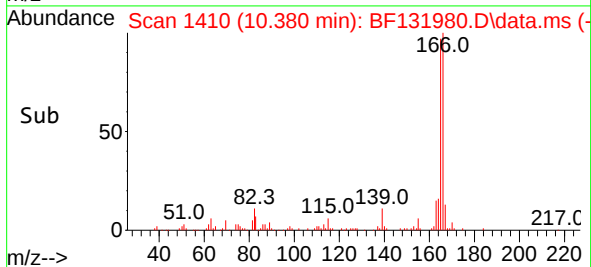
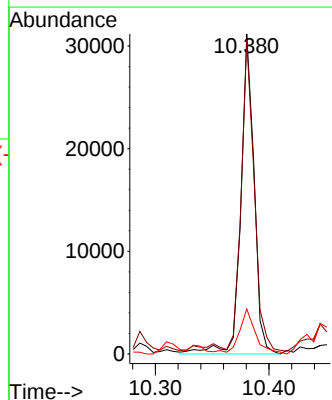
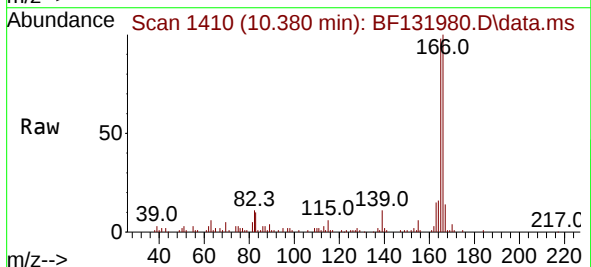
Instrument :
BNA_F
ClientSampleId :
PE-5

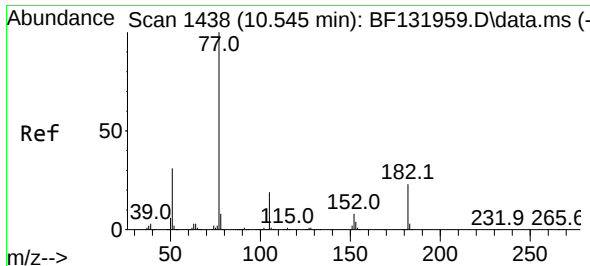
Tgt Ion:154 Resp: 20911
Ion Ratio Lower Upper
154 100
153 109.5 87.7 131.5
152 54.9 42.2 63.2



#58
Fluorene
Concen: 2.815 ng
RT: 10.380 min Scan# 1410
Delta R.T. -0.012 min
Lab File: BF131980.D
Acq: 10 Jan 2023 00:13

Tgt Ion:166 Resp: 25260
Ion Ratio Lower Upper
166 100
165 98.0 78.3 117.5
167 14.1 10.7 16.1

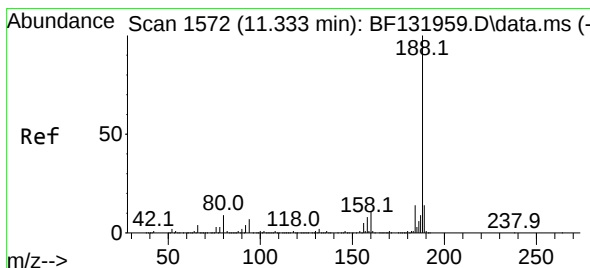
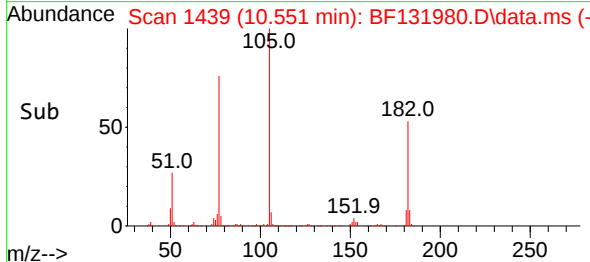
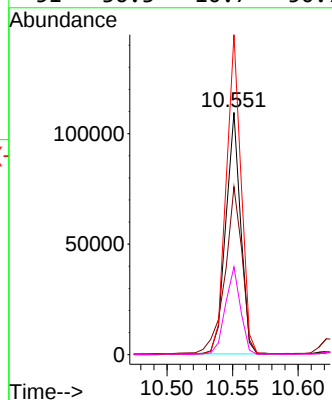
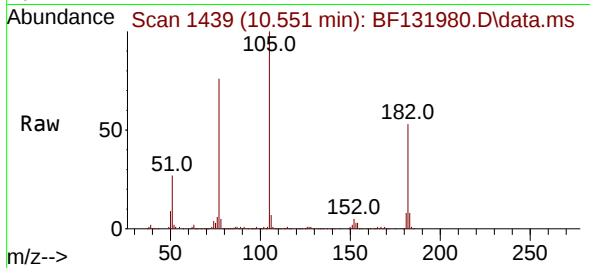




#63
Azobenzene
Concen: 8.257 ng
RT: 10.551 min Scan# 1439
Delta R.T. 0.006 min
Lab File: BF131980.D
Acq: 10 Jan 2023 00:13

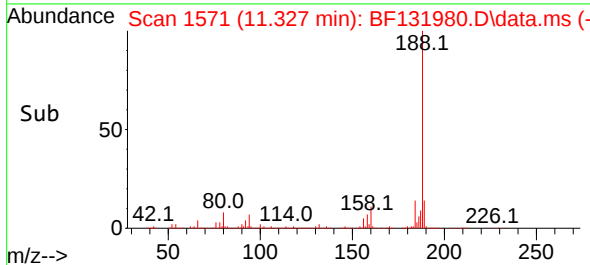
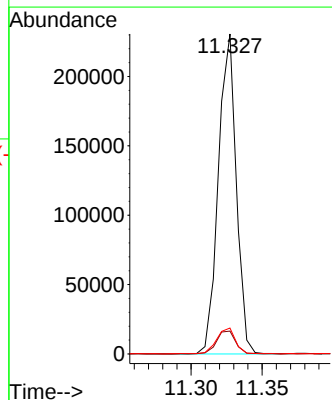
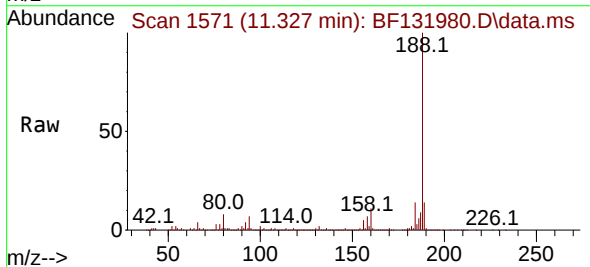
Instrument :
BNA_F
ClientSampleId :
PE-5

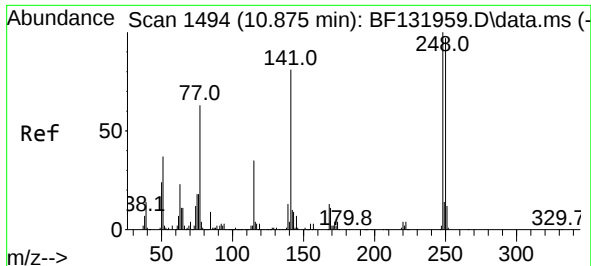
Tgt Ion: 77	Resp: 85751
Ion Ratio	Lower Upper
77 100	
182 69.4	2.9 42.9#
105 132.1	0.0 39.3#
51 36.3	10.7 50.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF131980.D
Acq: 10 Jan 2023 00:13

Tgt Ion: 188	Resp: 202192
Ion Ratio	Lower Upper
188 100	
94 7.2	5.8 8.6
80 8.1	7.4 11.0

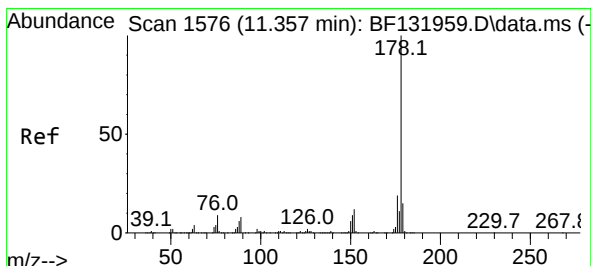
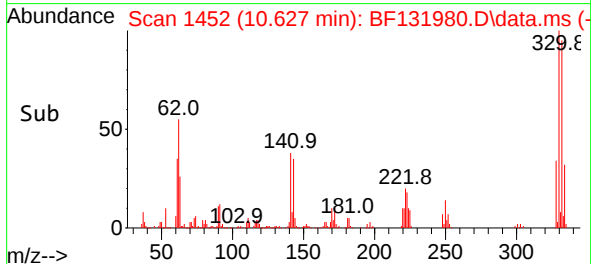
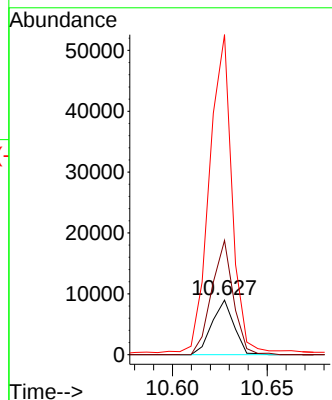
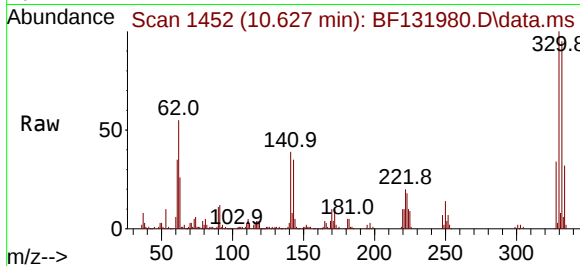




#67
4-Bromophenyl-phenylether
Concen: 2.877 ng
RT: 10.627 min Scan# 1494
Delta R.T. -0.247 min
Lab File: BF131980.D
Acq: 10 Jan 2023 00:13

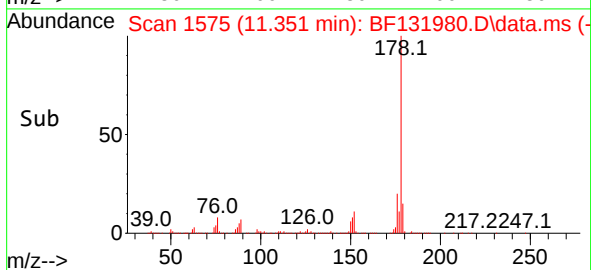
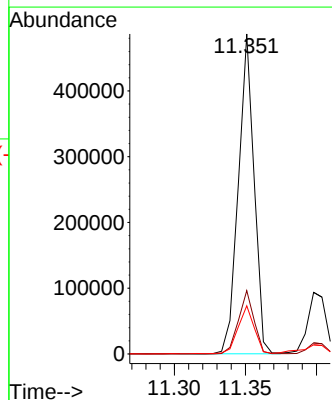
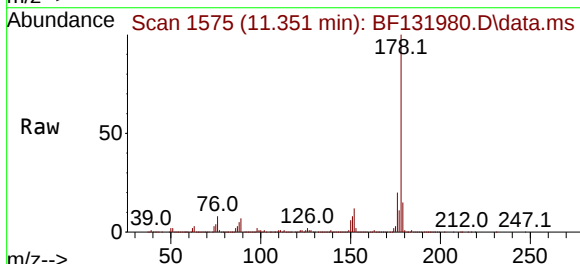
Instrument :
BNA_F
ClientSampleId :
PE-5

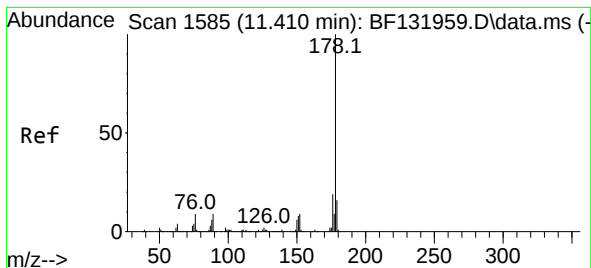
Tgt Ion:248 Resp: 7276
Ion Ratio Lower Upper
248 100
250 209.5 77.4 116.2#
141 586.9 65.0 97.6#



#71
Phenanthrene
Concen: 35.599 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.006 min
Lab File: BF131980.D
Acq: 10 Jan 2023 00:13

Tgt Ion:178 Resp: 375227
Ion Ratio Lower Upper
178 100
176 19.8 15.5 23.3
179 15.1 12.4 18.6





#72

Anthracene

Concen: 7.531 ng

RT: 11.398 min Scan# 1583

Delta R.T. -0.012 min

Lab File: BF131980.D

Acq: 10 Jan 2023 00:13

Instrument :

BNA_F

ClientSampleId :

PE-5

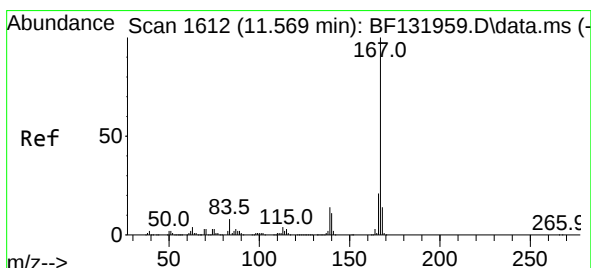
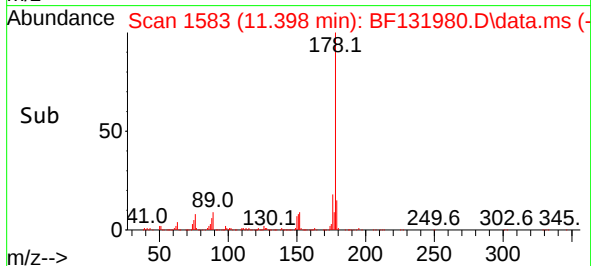
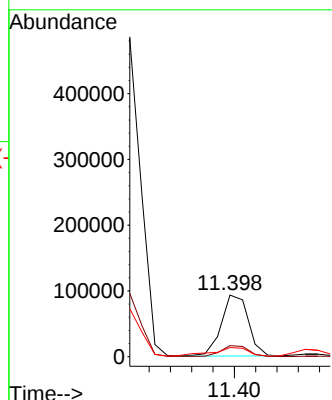
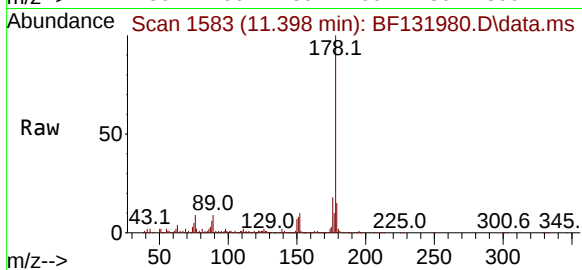
Tgt Ion:178 Resp: 81721

Ion Ratio Lower Upper

178 100

176 17.9 15.3 22.9

179 14.9 12.6 19.0



#73

Carbazole

Concen: 2.666 ng

RT: 11.563 min Scan# 1611

Delta R.T. -0.006 min

Lab File: BF131980.D

Acq: 10 Jan 2023 00:13

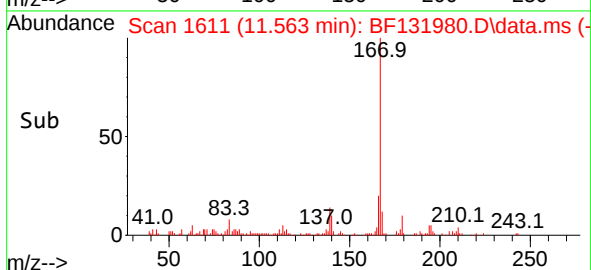
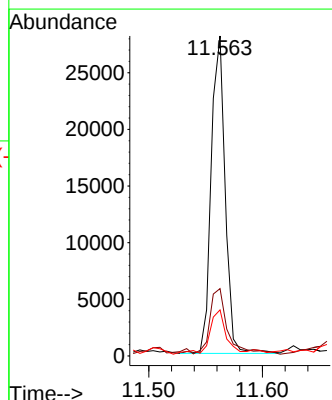
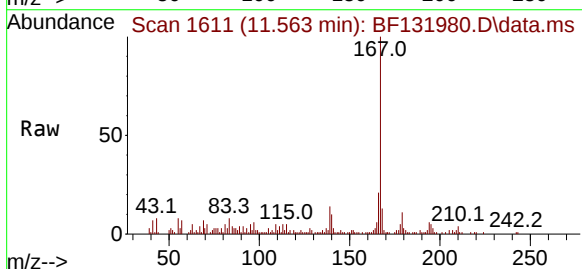
Tgt Ion:167 Resp: 23950

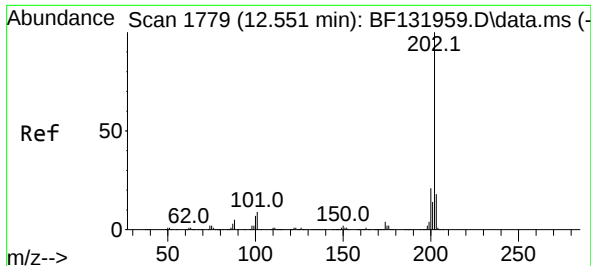
Ion Ratio Lower Upper

167 100

166 21.0 16.8 25.2

139 14.4 11.1 16.7

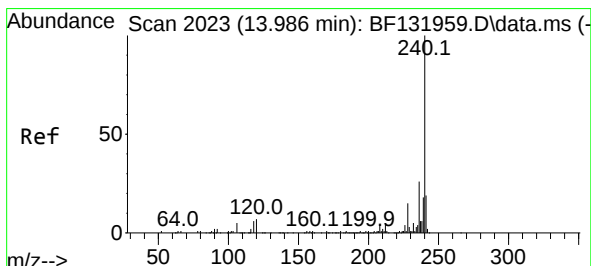
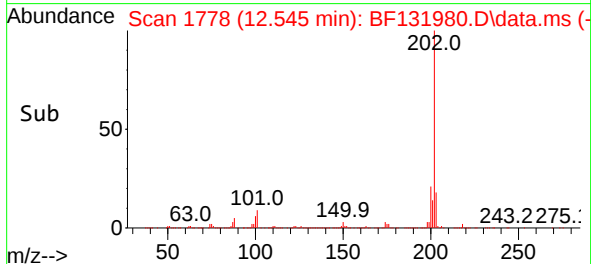
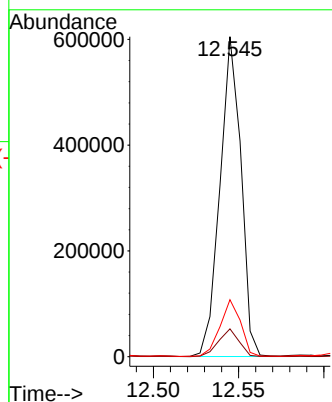
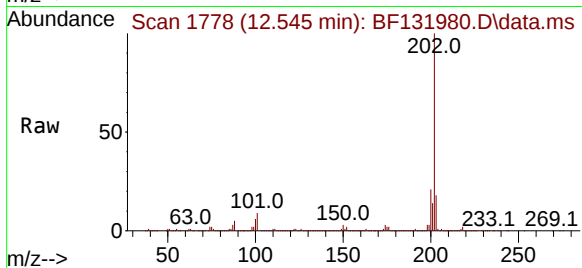




#75
Fluoranthene
Concen: 43.791 ng
RT: 12.545 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131980.D
Acq: 10 Jan 2023 00:13

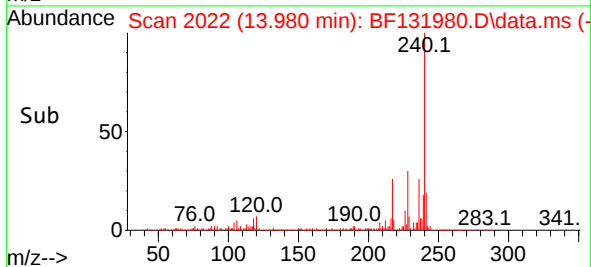
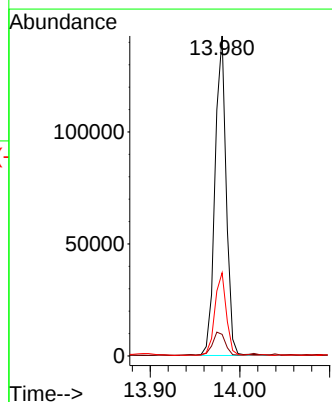
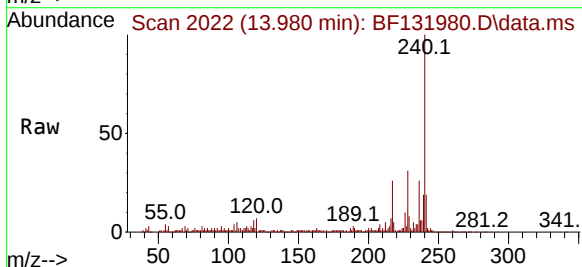
Instrument :
BNA_F
ClientSampleId :
PE-5

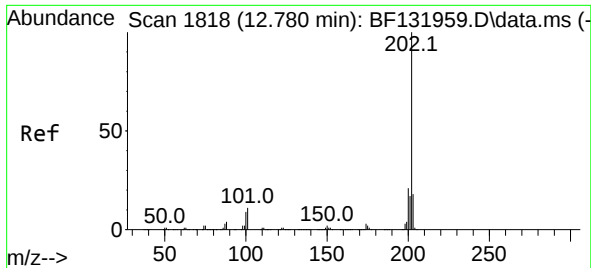
Tgt Ion:202 Resp: 519099
Ion Ratio Lower Upper
202 100
101 8.7 0.0 28.8
203 17.8 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF131980.D
Acq: 10 Jan 2023 00:13

Tgt Ion:240 Resp: 123726
Ion Ratio Lower Upper
240 100
120 6.8 5.4 8.0
236 26.0 21.1 31.7

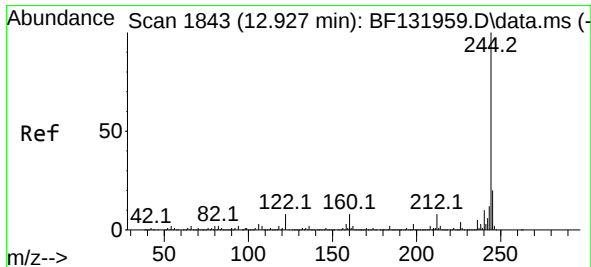
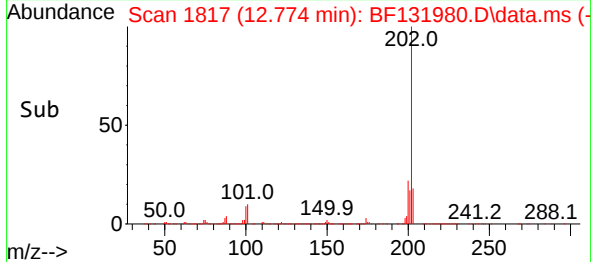
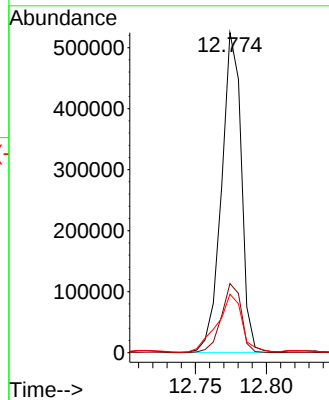
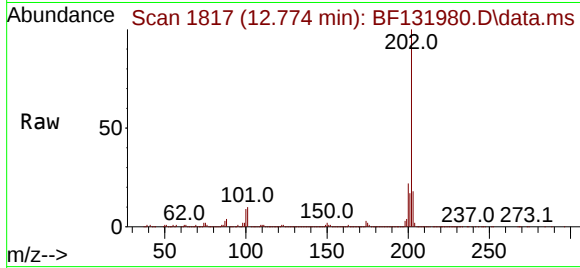




#78
 Pyrene
 Concen: 44.889 ng
 RT: 12.774 min Scan# 1817
 Delta R.T. -0.006 min
 Lab File: BF131980.D
 Acq: 10 Jan 2023 00:13

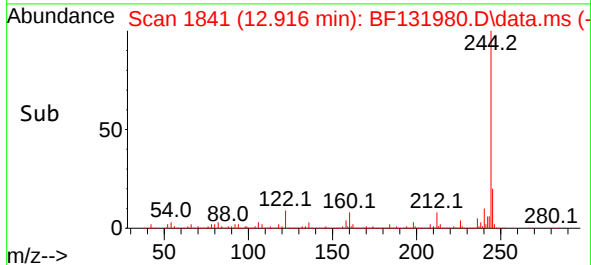
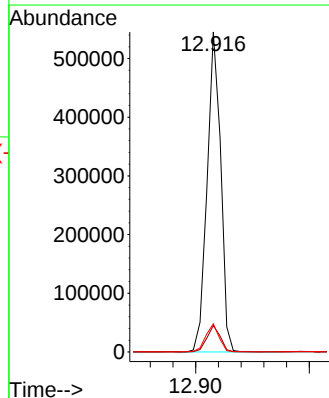
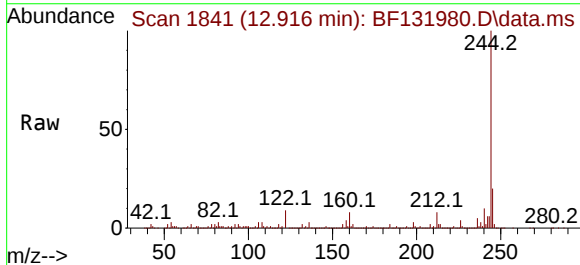
Instrument :
 BNA_F
 ClientSampleId :
 PE-5

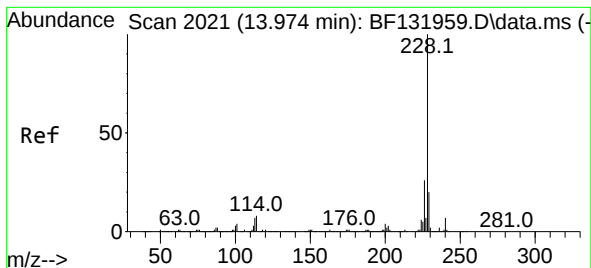
Tgt Ion:202 Resp: 506553
 Ion Ratio Lower Upper
 202 100
 200 21.6 17.0 25.6
 203 18.2 14.1 21.1



#79
 Terphenyl-d14
 Concen: 52.414 ng
 RT: 12.916 min Scan# 1841
 Delta R.T. -0.012 min
 Lab File: BF131980.D
 Acq: 10 Jan 2023 00:13

Tgt Ion:244 Resp: 452456
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.3 9.5
 122 8.8 6.8 10.2





#81

Benzo(a)anthracene

Concen: 31.607 ng

RT: 13.968 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF131980.D

Acq: 10 Jan 2023 00:13

Instrument :

BNA_F

ClientSampleId :

PE-5

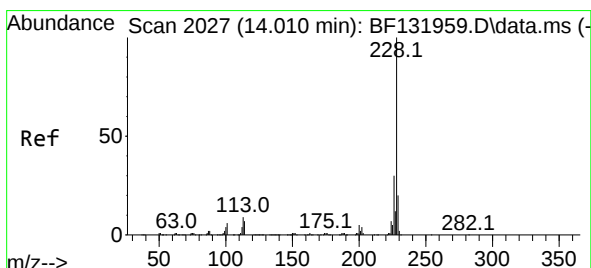
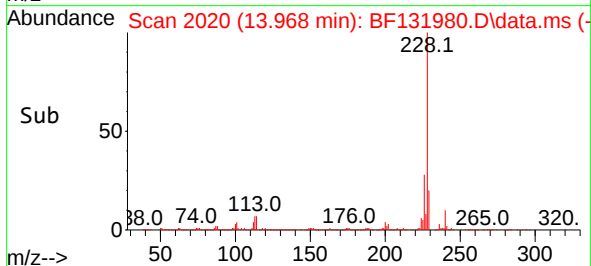
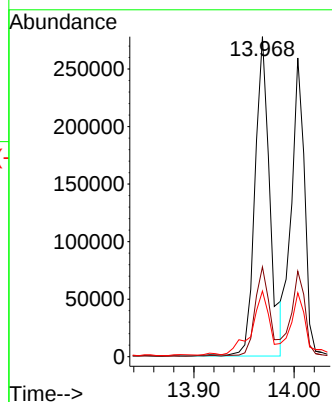
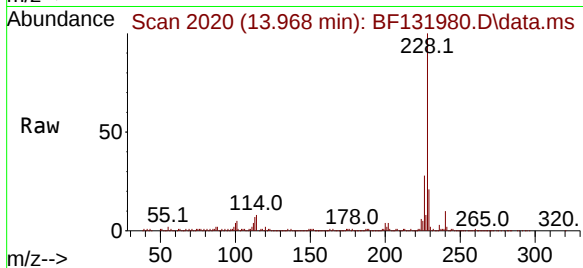
Tgt Ion:228 Resp: 284506

Ion Ratio Lower Upper

228 100

226 28.0 21.0 31.4

229 20.5 15.8 23.6



#83

Chrysene

Concen: 28.127 ng

RT: 14.004 min Scan# 2026

Delta R.T. -0.006 min

Lab File: BF131980.D

Acq: 10 Jan 2023 00:13

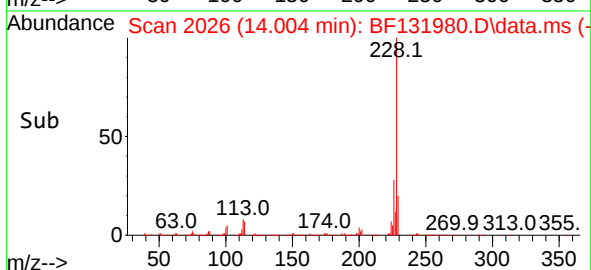
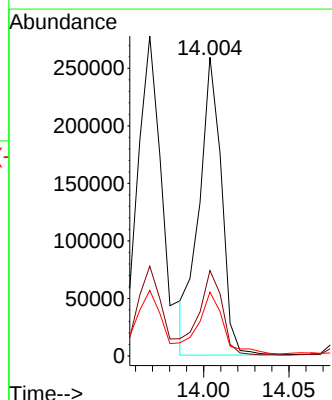
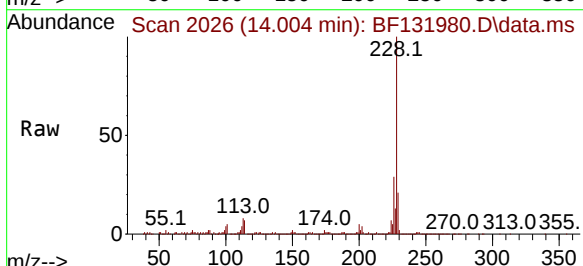
Tgt Ion:228 Resp: 236612

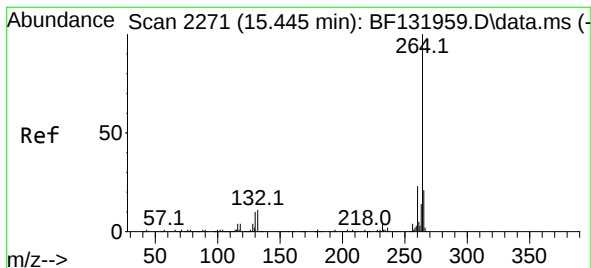
Ion Ratio Lower Upper

228 100

226 28.6 24.0 36.0

229 21.4 16.2 24.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF131980.D

Acq: 10 Jan 2023 00:13

Instrument :

BNA_F

ClientSampleId :

PE-5

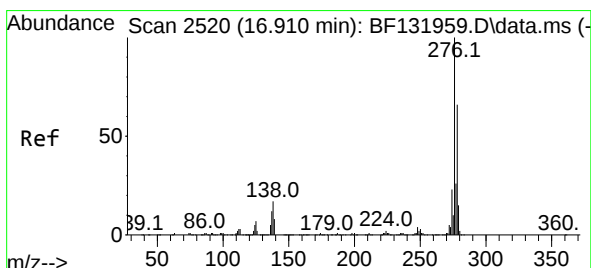
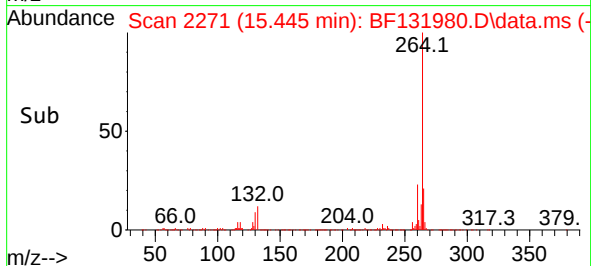
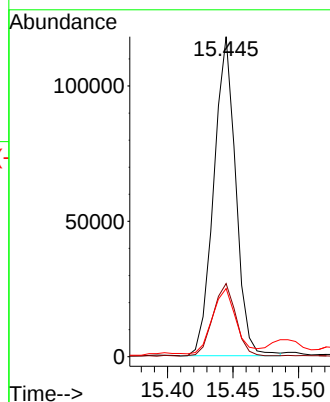
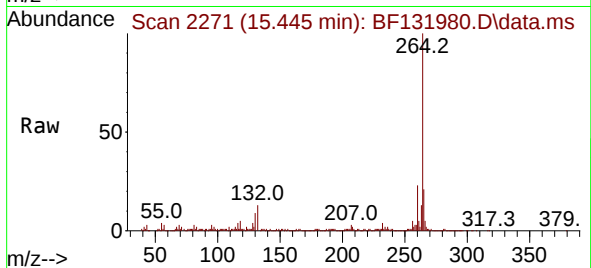
Tgt Ion:264 Resp: 137055

Ion Ratio Lower Upper

264 100

260 22.9 18.3 27.5

265 21.3 16.9 25.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 11.820 ng

RT: 16.898 min Scan# 2518

Delta R.T. -0.012 min

Lab File: BF131980.D

Acq: 10 Jan 2023 00:13

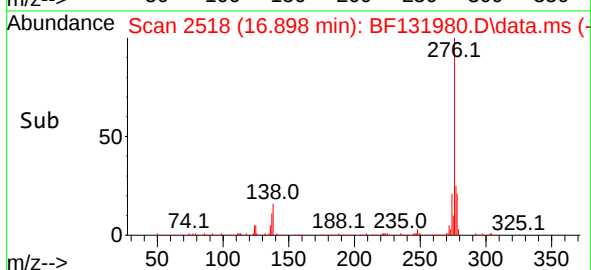
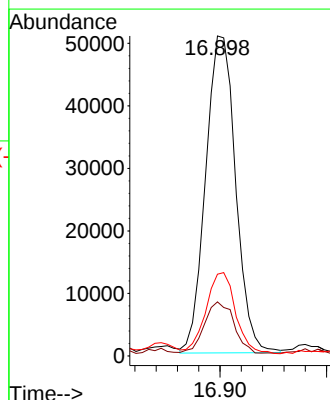
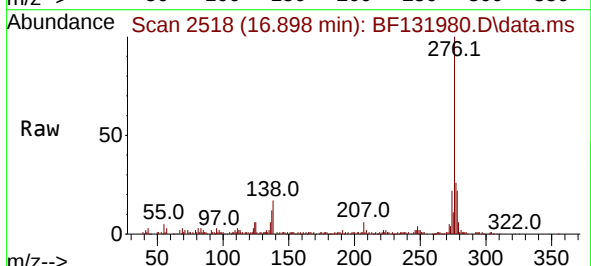
Tgt Ion:276 Resp: 99355

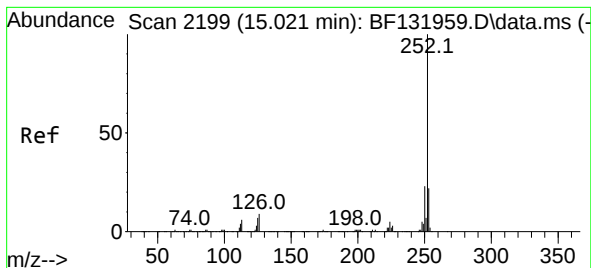
Ion Ratio Lower Upper

276 100

138 16.4 14.2 21.2

277 25.3 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 41.673 ng

RT: 15.021 min Scan# 2199

Delta R.T. -0.000 min

Lab File: BF131980.D

Acq: 10 Jan 2023 00:13

Instrument :

BNA_F

ClientSampleId :

PE-5

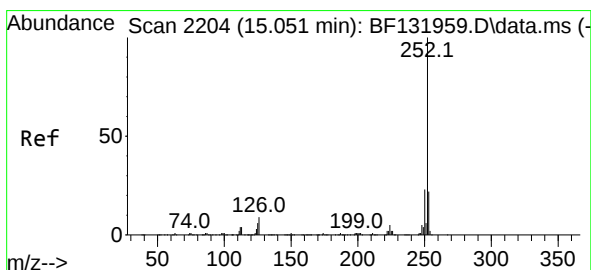
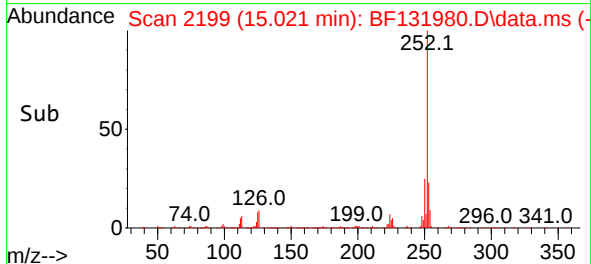
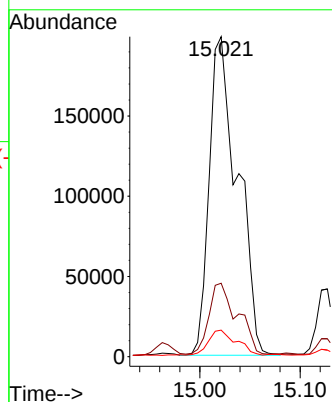
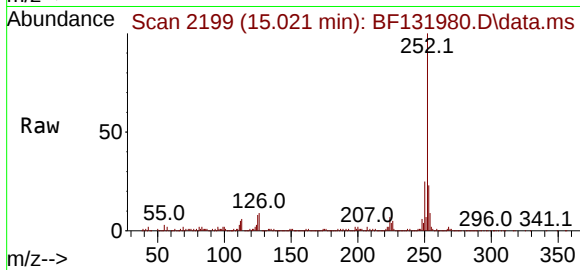
Tgt Ion:252 Resp: 391739

Ion Ratio Lower Upper

252 100

253 23.0 18.0 27.0

125 8.3 5.8 8.6



#89

Benzo(k)fluoranthene

Concen: 41.756 ng

RT: 15.021 min Scan# 2199

Delta R.T. -0.030 min

Lab File: BF131980.D

Acq: 10 Jan 2023 00:13

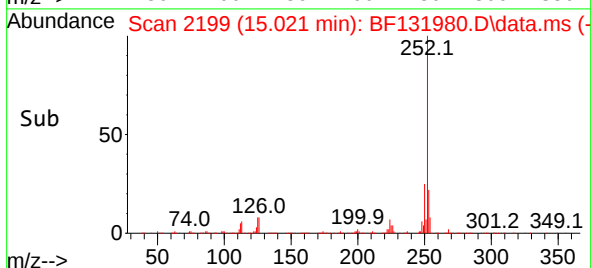
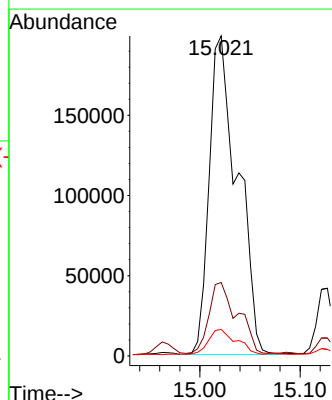
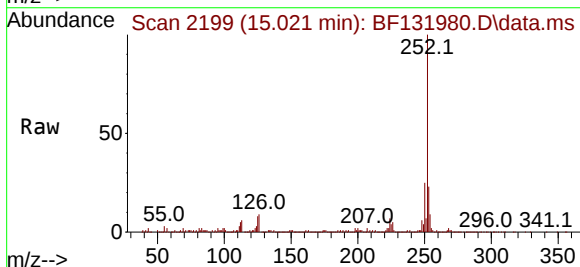
Tgt Ion:252 Resp: 391739

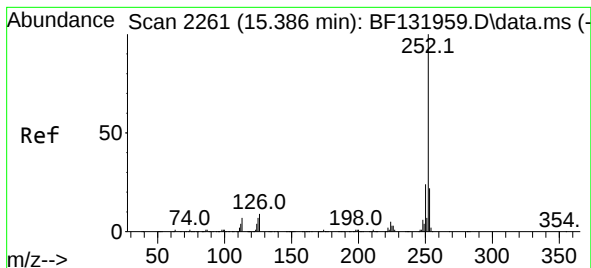
Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.6

125 8.3 5.2 7.8#





#90

Benzo(a)pyrene

Concen: 26.515 ng

RT: 15.380 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF131980.D

Acq: 10 Jan 2023 00:13

Instrument :

BNA_F

ClientSampleId :

PE-5

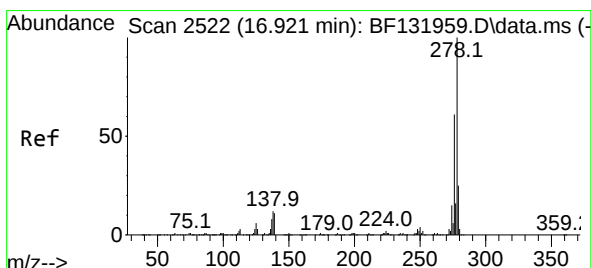
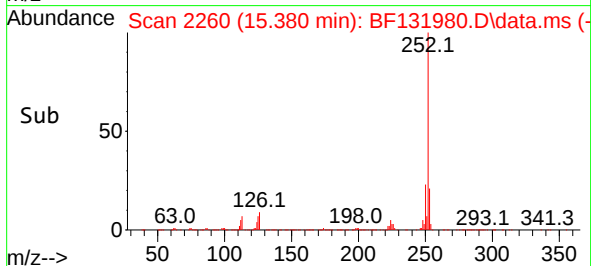
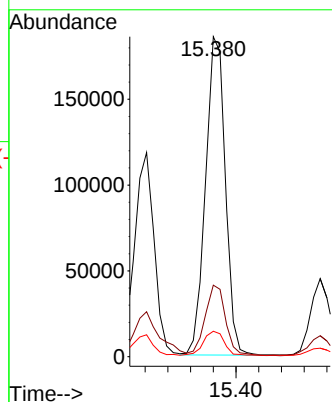
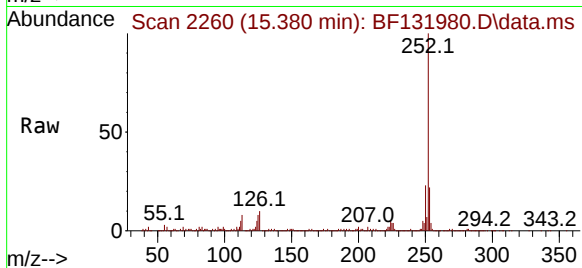
Tgt Ion:252 Resp: 224574

Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.0

125 8.0 5.7 8.5



#91

Dibenzo(a,h)anthracene

Concen: 2.703 ng

RT: 16.709 min Scan# 2486

Delta R.T. -0.212 min

Lab File: BF131980.D

Acq: 10 Jan 2023 00:13

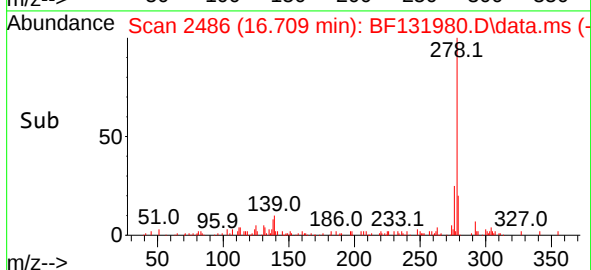
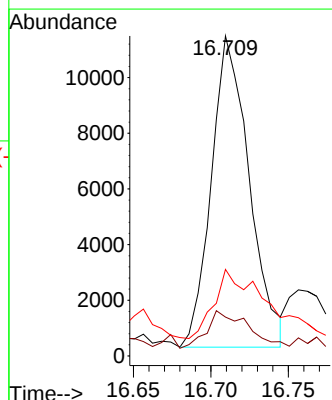
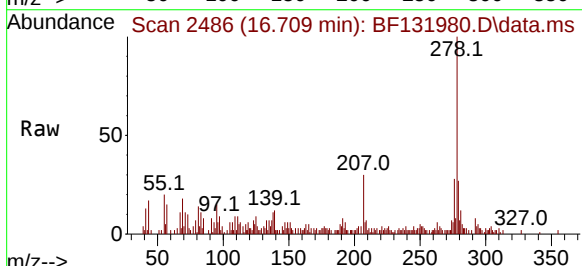
Tgt Ion:278 Resp: 19048

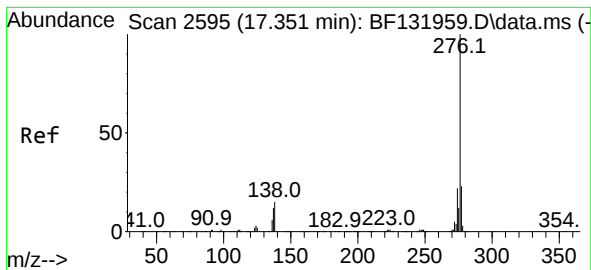
Ion Ratio Lower Upper

278 100

139 12.2 8.8 13.2

279 27.1 19.8 29.6





#92

Benzo(g,h,i)perylene

Concen: 14.710 ng

RT: 17.345 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF131980.D

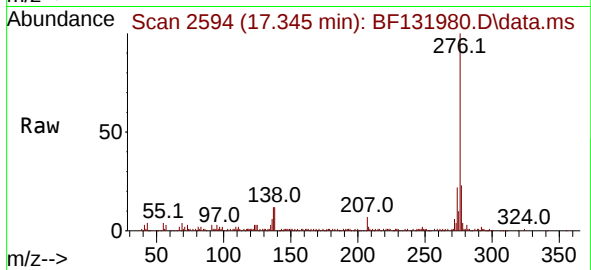
Acq: 10 Jan 2023 00:13

Instrument :

BNA_F

ClientSampleId :

PE-5



Tgt Ion:276 Resp: 91082

Ion Ratio Lower Upper

276 100

277 22.7 18.2 27.2

138 12.3 11.7 17.5

