

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF113022\
 Data File : BF131480.D
 Acq On : 30 Nov 2022 20:00
 Operator : CG\JU
 Sample : N5789-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TFI-359

Quant Time: Dec 01 01:15:24 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 01 01:09:58 2022
 Response via : Initial Calibration

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

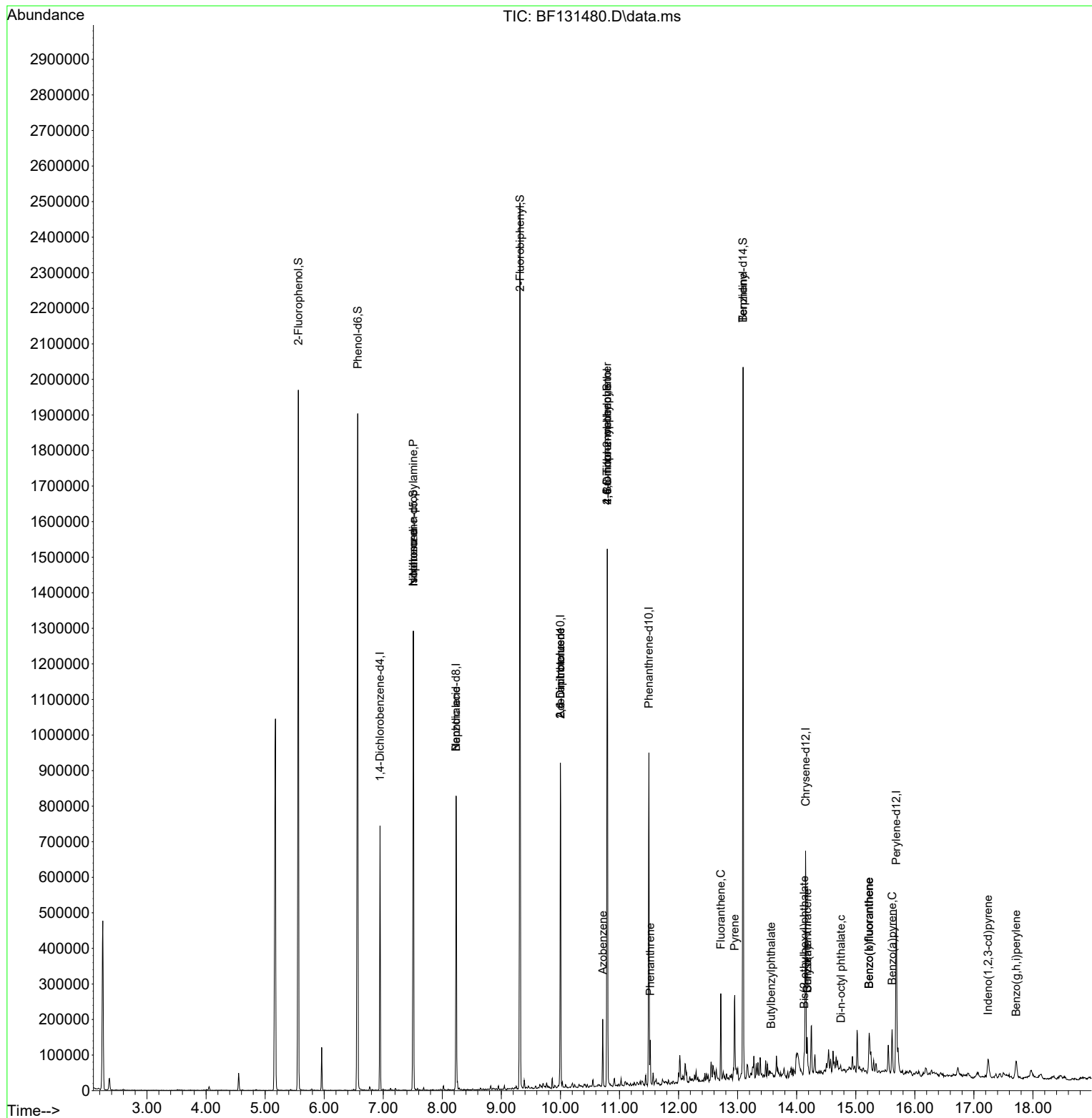
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.945	152	97501	20.000	ng	0.00
21) Naphthalene-d8	8.233	136	335531	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	187530	20.000	ng	0.00
64) Phenanthrene-d10	11.498	188	325439	20.000	ng	0.00
76) Chrysene-d12	14.151	240	197769	20.000	ng	0.00
86) Perylene-d12	15.686	264	224057	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	464671	90.704	ng	0.00
7) Phenol-d6	6.569	99	629919	96.372	ng	0.00
23) Nitrobenzene-d5	7.510	82	403961	60.689	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	167630	106.249	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	722380	56.041	ng	0.00
79) Terphenyl-d14	13.092	244	641772	53.065	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.492	77	195	Below Cal	#	65
19) n-Nitroso-di-n-propyla...	7.510	70	55948	11.692	ng	# 71
25) Isophorone	7.510	82	403956	34.016	ng	# 68
32) Benzoic acid	8.233	122	74	5.157	ng	# 1
51) 2,6-Dinitrotoluene	9.998	165	24262	9.285	ng	# 15
57) 2,4-Dinitrotoluene	9.998	165	24262	7.380	ng	# 19
63) Azobenzene	10.716	77	27530	2.075	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.792	198	346	4.851	ng	# 1
67) 4-Bromophenyl-phenylether	10.792	248	10907	2.734	ng	# 1
71) Phenanthrene	11.521	178	43068	2.449	ng	99
75) Fluoranthene	12.716	202	86736	4.680	ng	98
77) Benzidine	13.092	184	8300	2.272	ng	# 90
78) Pyrene	12.951	202	96375	5.523	ng	99
80) Butylbenzylphthalate	13.568	149	1531	4.382	ng	# 58
81) Benzo(a)anthracene	14.180	228	46028	3.395	ng	96
83) Chrysene	14.180	228	46028	3.461	ng	99
84) Bis(2-ethylhexyl)phtha...	14.127	149	13547	5.352	ng	# 93
85) Di-n-octyl phthalate	14.751	149	1407	4.047	ng	# 67
87) Indeno(1,2,3-cd)pyrene	17.239	276	37205	2.472	ng	96
88) Benzo(b)fluoranthene	15.227	252	89859	6.037	ng	# 97
89) Benzo(k)fluoranthene	15.227	252	89859	5.875	ng	# 98
90) Benzo(a)pyrene	15.615	252	59564	4.877	ng	96
92) Benzo(g,h,i)perylene	17.715	276	40650	3.278	ng	99

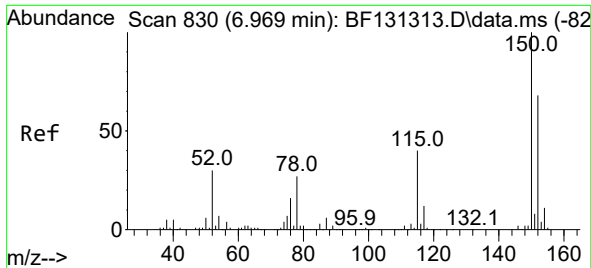
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Dec 01 01:09:58 2022
Response via : Initial Calibration

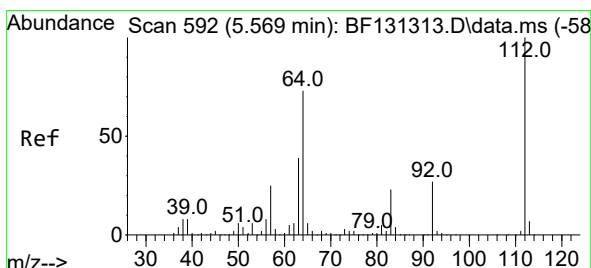
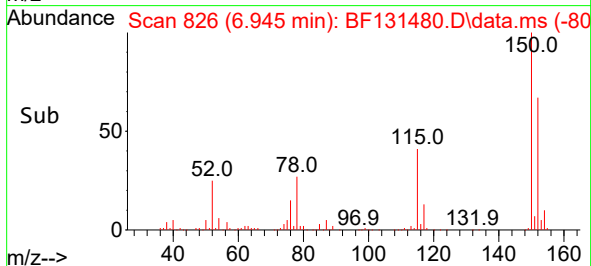
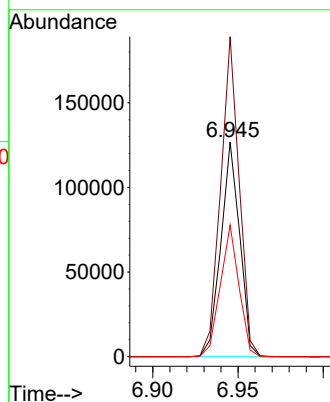
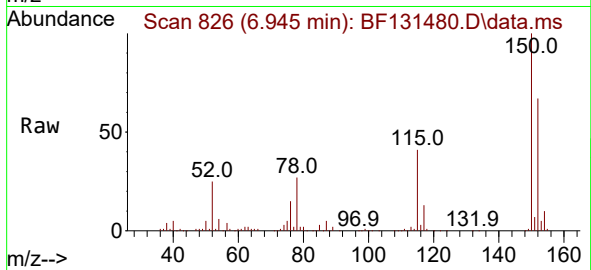




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.945 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF131480.D
Acq: 30 Nov 2022 20:00

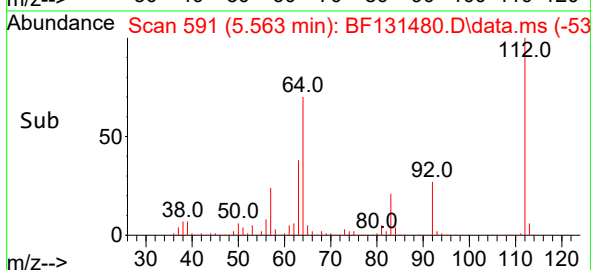
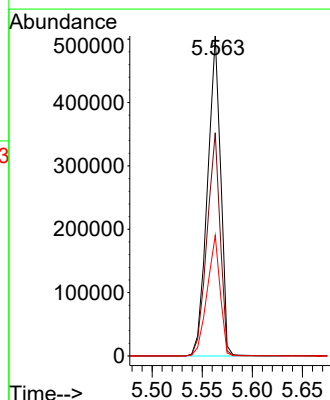
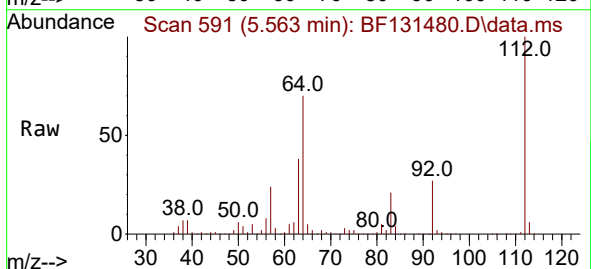
Instrument :
BNA_F
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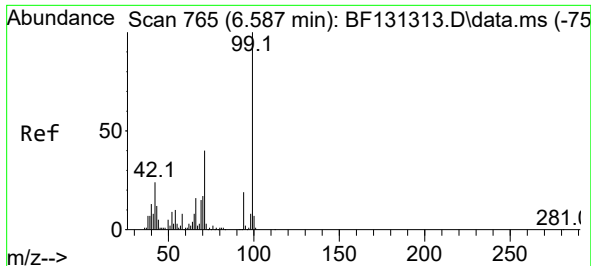
Tgt Ion:152 Resp: 97501
Ion Ratio Lower Upper
152 100
150 149.0 117.8 176.8
115 61.3 47.1 70.7



#5
2-Fluorophenol
Concen: 90.704 ng
RT: 5.563 min Scan# 591
Delta R.T. 0.006 min
Lab File: BF131480.D
Acq: 30 Nov 2022 20:00

Tgt Ion:112 Resp: 464671
Ion Ratio Lower Upper
112 100
64 69.7 58.6 88.0
63 37.7 31.4 47.0

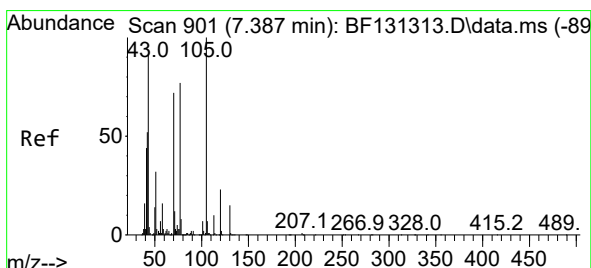
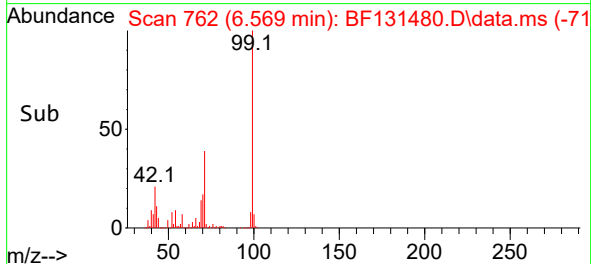
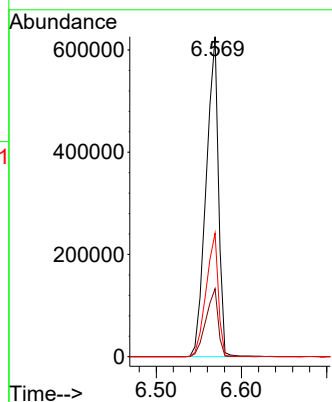
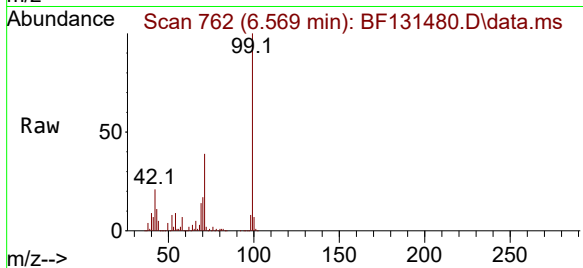




#7
Phenol-d6
Concen: 96.372 ng
RT: 6.569 min Scan# 70
Delta R.T. -0.000 min
Lab File: BF131480.D
Acq: 30 Nov 2022 20:00

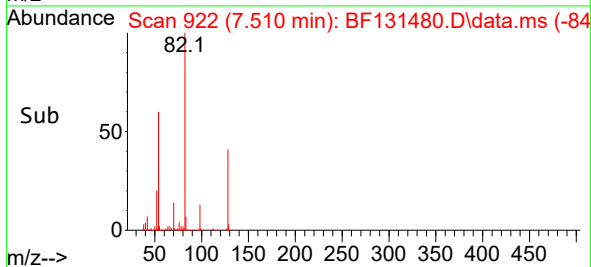
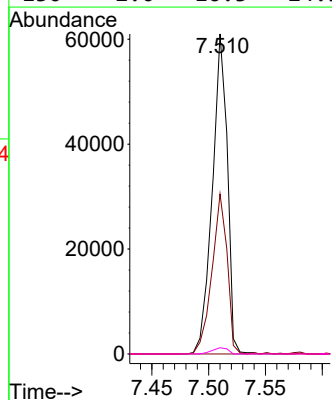
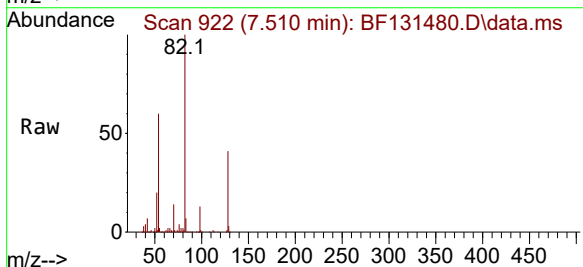
Instrument :
BNA_F
ClientSampleId :
TFI-359

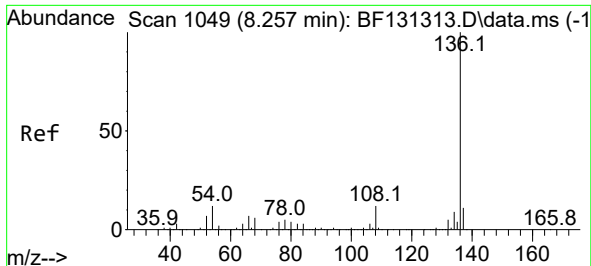
Tgt Ion: 99 Resp: 629919
Ion Ratio Lower Upper
99 100
42 21.3 19.4 29.2
71 38.6 32.3 48.5



#19
n-Nitroso-di-n-propylamine
Concen: 11.692 ng
RT: 7.510 min Scan# 922
Delta R.T. 0.147 min
Lab File: BF131480.D
Acq: 30 Nov 2022 20:00

Tgt Ion: 70 Resp: 55948
Ion Ratio Lower Upper
70 100
42 50.0 57.6 86.4#
101 0.0 8.2 12.2#
130 2.0 16.3 24.5#

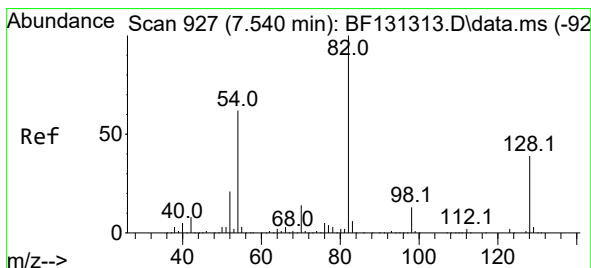
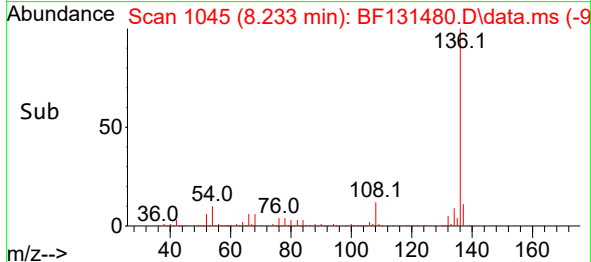
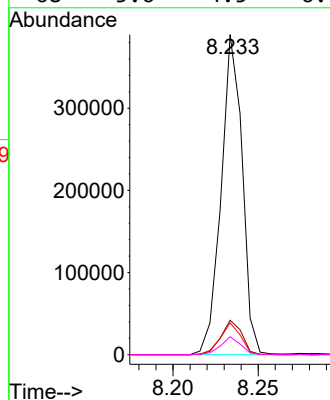
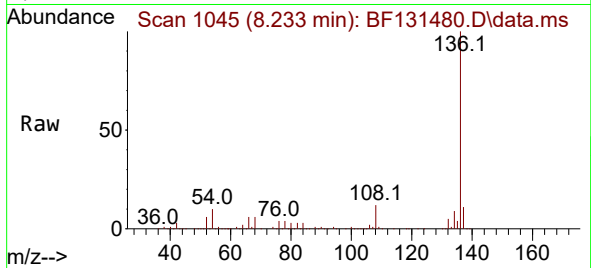




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.233 min Scan# 1045
Delta R.T. -0.006 min
Lab File: BF131480.D
Acq: 30 Nov 2022 20:00

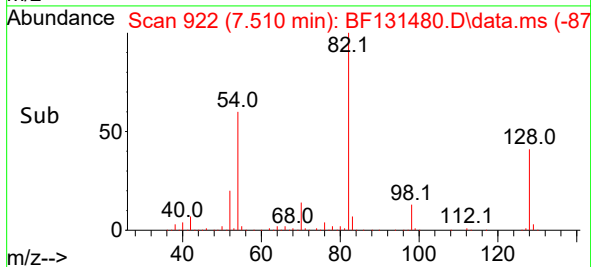
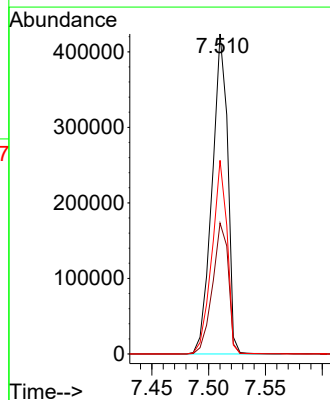
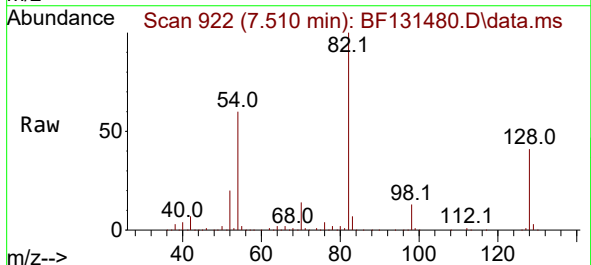
Instrument :
BNA_F
ClientSampleId :
TFI-359

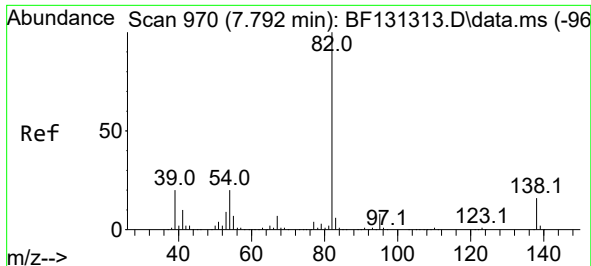
Tgt Ion:136 Resp: 335531
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.6
54 9.9 9.4 14.0
68 5.6 4.5 6.7



#23
Nitrobenzene-d5
Concen: 60.689 ng
RT: 7.510 min Scan# 922
Delta R.T. -0.006 min
Lab File: BF131480.D
Acq: 30 Nov 2022 20:00

Tgt Ion: 82 Resp: 403961
Ion Ratio Lower Upper
82 100
128 40.9 31.4 47.0
54 60.5 49.8 74.6

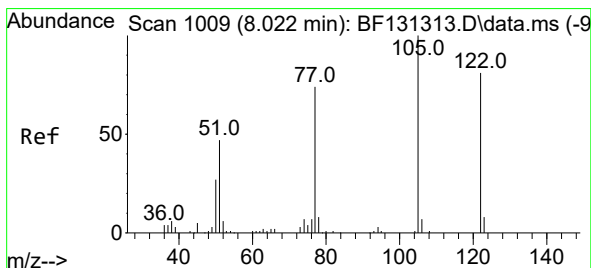
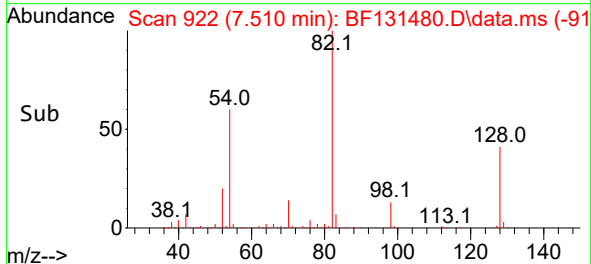
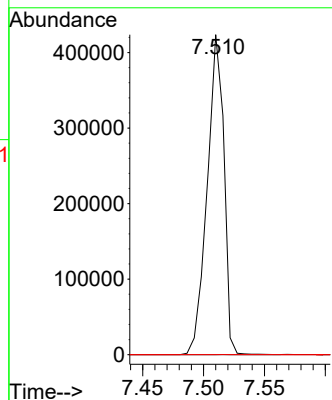
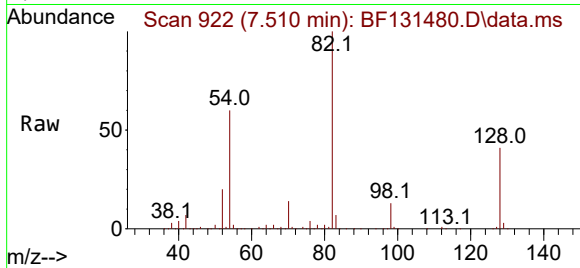




#25
Isophorone
Concen: 34.016 ng
RT: 7.510 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF131480.D
Acq: 30 Nov 2022 20:00

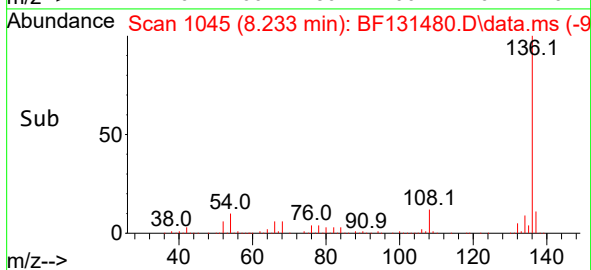
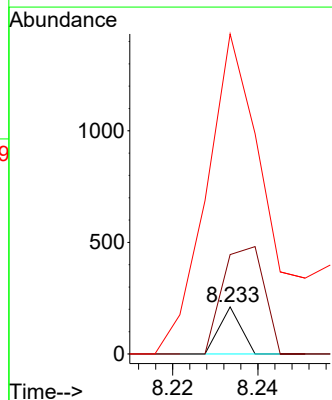
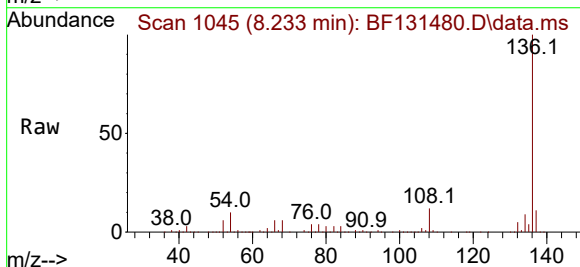
Instrument :
BNA_F
ClientSampleId :
TFI-359

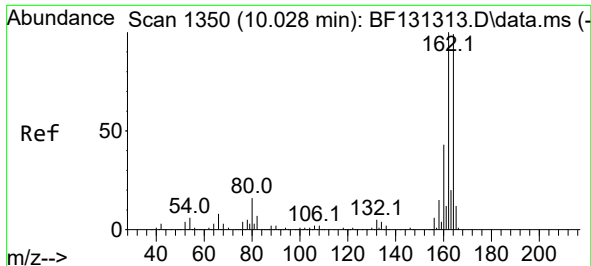
Tgt Ion: 82 Resp: 403956
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 12.7 19.1#



#32
Benzoic acid
Concen: 5.157 ng
RT: 8.233 min Scan# 1045
Delta R.T. 0.235 min
Lab File: BF131480.D
Acq: 30 Nov 2022 20:00

Tgt Ion: 122 Resp: 74
Ion Ratio Lower Upper
122 100
105 210.9 103.8 143.8#
77 679.6 74.3 114.3#

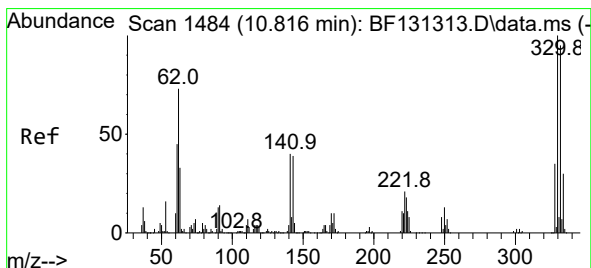
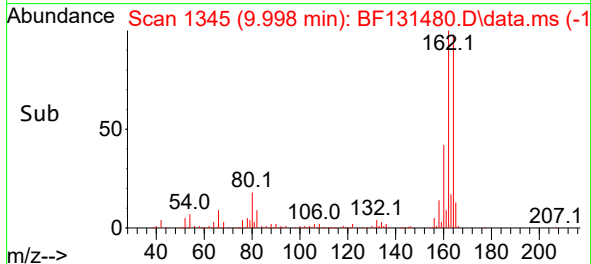
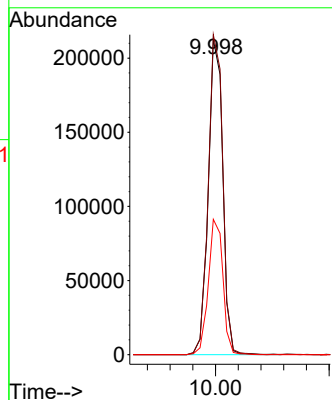
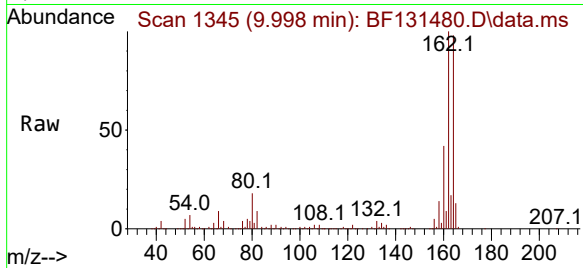




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1345
Delta R.T. -0.006 min
Lab File: BF131480.D
Acq: 30 Nov 2022 20:00

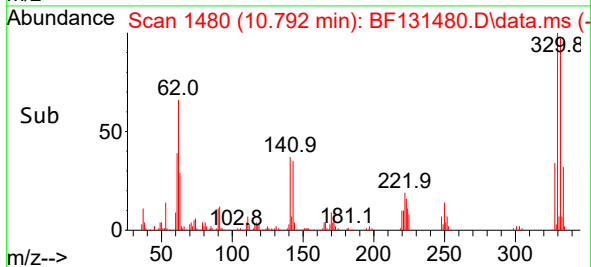
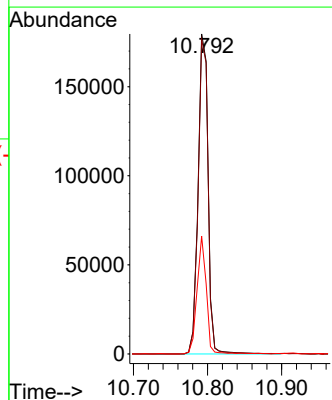
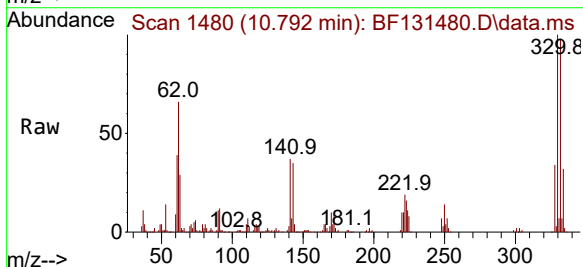
Instrument :
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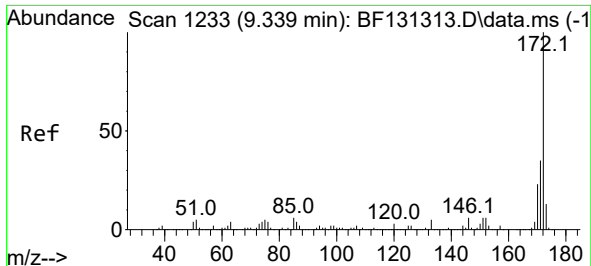
Tgt Ion:164 Resp: 187530
Ion Ratio Lower Upper
164 100
162 101.5 80.6 120.8
160 43.0 34.4 51.6



#42
2,4,6-Tribromophenol
Concen: 106.249 ng
RT: 10.792 min Scan# 1480
Delta R.T. -0.006 min
Lab File: BF131480.D
Acq: 30 Nov 2022 20:00

Tgt Ion:330 Resp: 167630
Ion Ratio Lower Upper
330 100
332 97.9 77.5 116.3
141 34.3 29.3 43.9





#45

2-Fluorobiphenyl

Concen: 56.041 ng

RT: 9.316 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF131480.D

Acq: 30 Nov 2022 20:00

Instrument :

BNA_F

ClientSampleId :

TFI-359

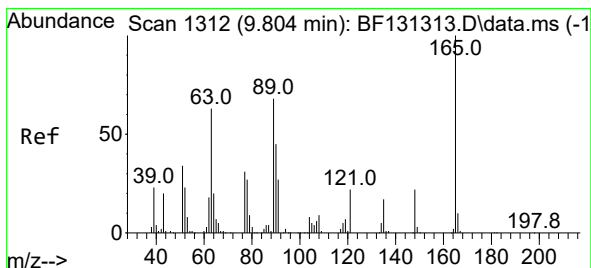
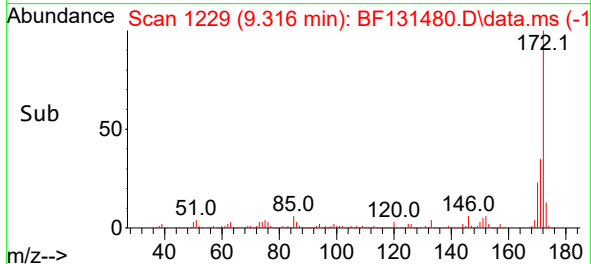
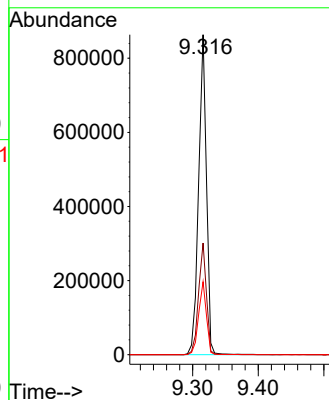
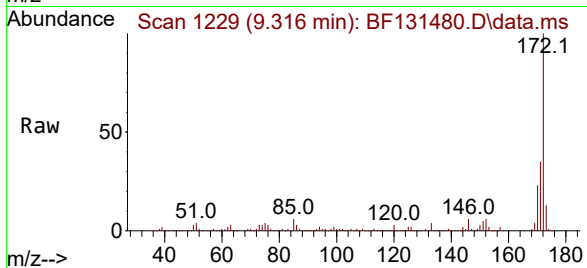
Tgt Ion:172 Resp: 722380

Ion Ratio Lower Upper

172 100

171 34.9 28.2 42.2

170 22.8 18.7 28.1



#51

2,6-Dinitrotoluene

Concen: 9.285 ng

RT: 9.998 min Scan# 1345

Delta R.T. 0.212 min

Lab File: BF131480.D

Acq: 30 Nov 2022 20:00

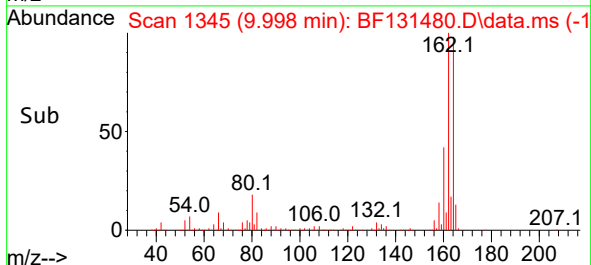
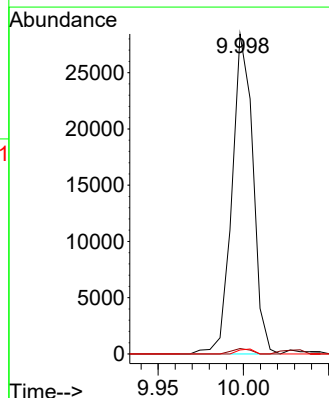
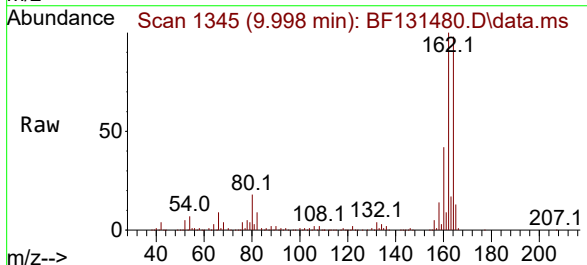
Tgt Ion:165 Resp: 24262

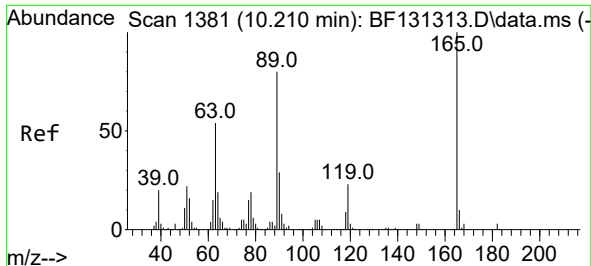
Ion Ratio Lower Upper

165 100

63 1.7 62.0 93.0#

89 1.2 54.4 81.6#

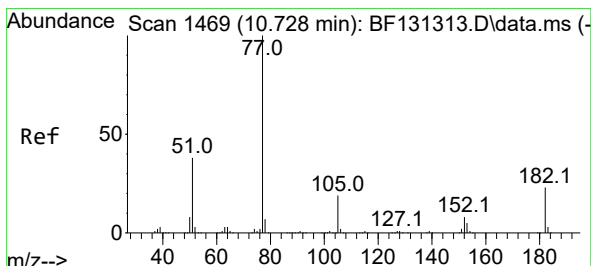
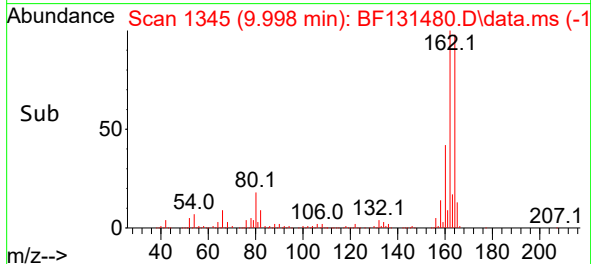
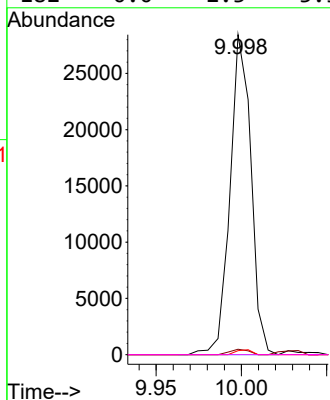
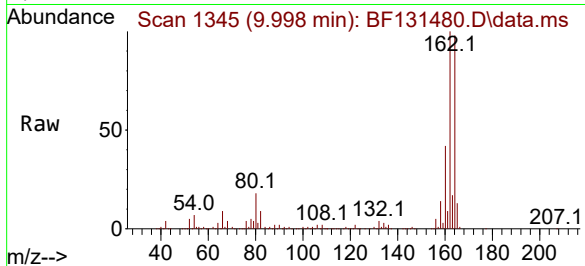




#57
2,4-Dinitrotoluene
Concen: 7.380 ng
RT: 9.998 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF131480.D
Acq: 30 Nov 2022 20:00

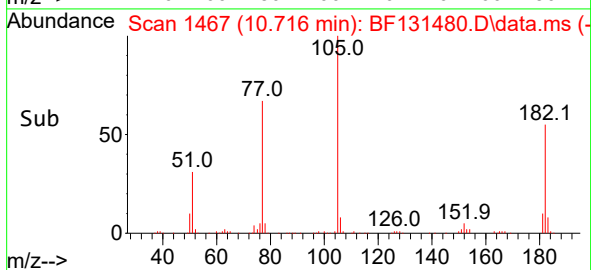
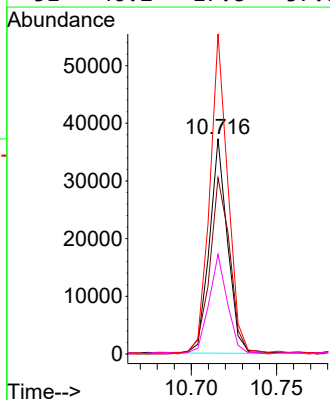
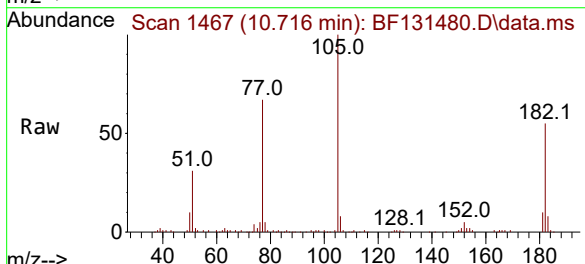
Instrument :
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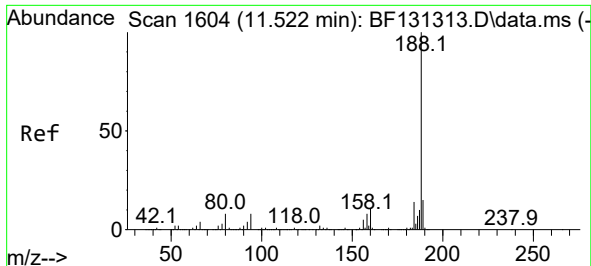
Tgt Ion:165 Resp: 24262
Ion Ratio Lower Upper
165 100
63 1.7 43.4 65.2#
89 1.2 64.0 96.0#
182 0.0 2.3 3.5#



#63
Azobenzene
Concen: 2.075 ng
RT: 10.716 min Scan# 1467
Delta R.T. 0.006 min
Lab File: BF131480.D
Acq: 30 Nov 2022 20:00

Tgt Ion: 77 Resp: 27530
Ion Ratio Lower Upper
77 100
182 81.8 3.1 43.1#
105 148.6 0.0 39.2#
51 46.2 17.8 57.8

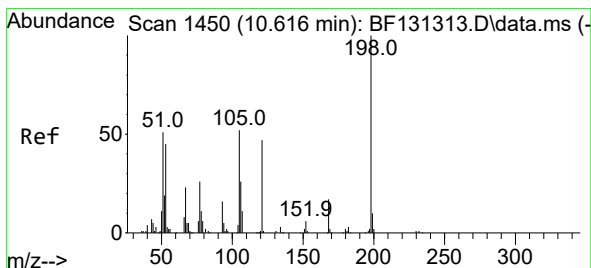
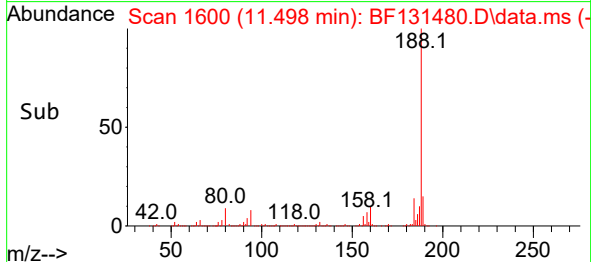
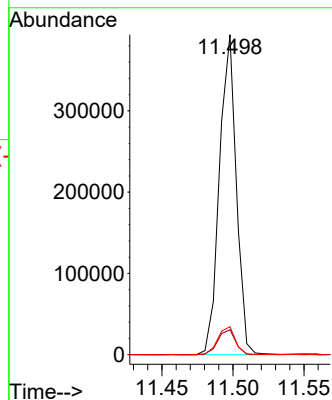
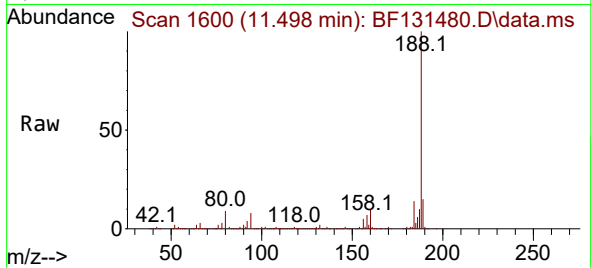




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.498 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF131480.D
Acq: 30 Nov 2022 20:00

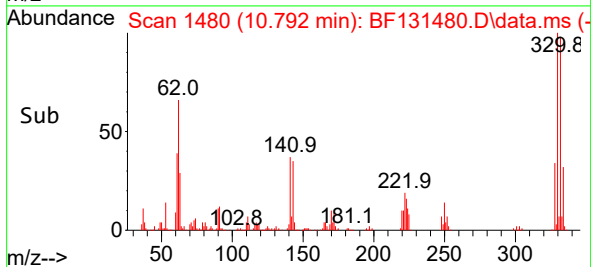
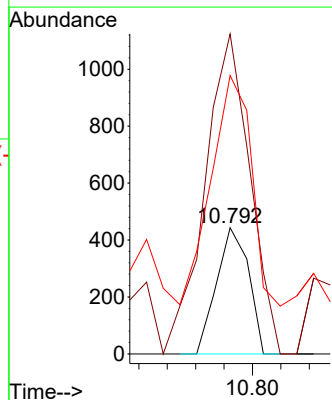
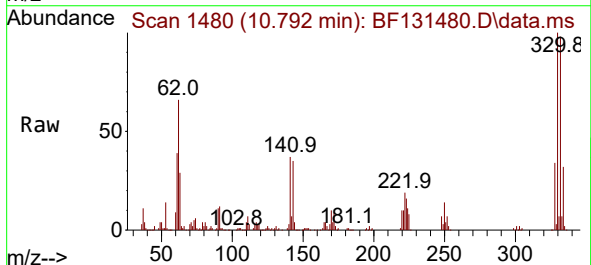
Instrument :
BNA_F
ClientSampleId :
TFI-359

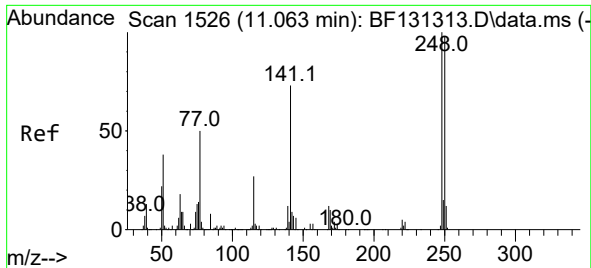
Tgt Ion:188 Resp: 325439
Ion Ratio Lower Upper
188 100
94 7.8 6.3 9.5
80 8.8 6.8 10.2



#65
4,6-Dinitro-2-methylphenol
Concen: 4.851 ng
RT: 10.792 min Scan# 1480
Delta R.T. 0.194 min
Lab File: BF131480.D
Acq: 30 Nov 2022 20:00

Tgt Ion:198 Resp: 346
Ion Ratio Lower Upper
198 100
51 253.7 50.1 90.1#
105 220.8 32.5 72.5#

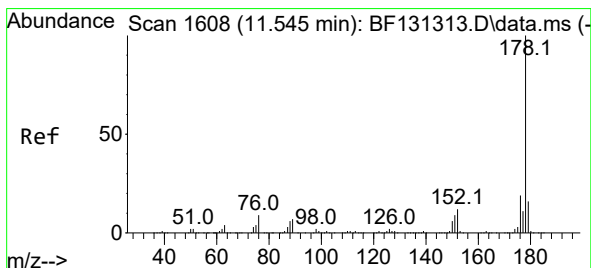
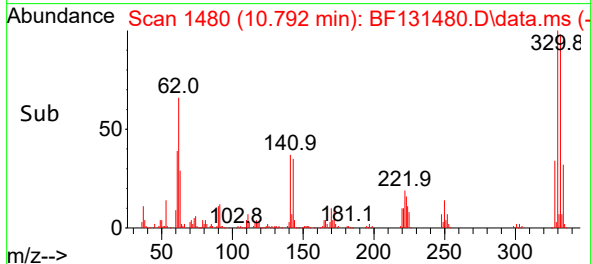
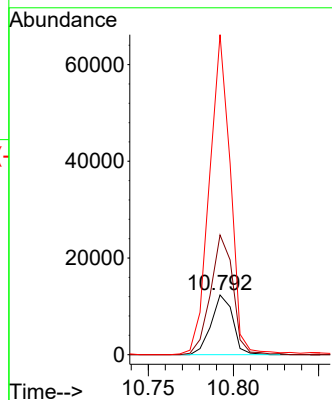
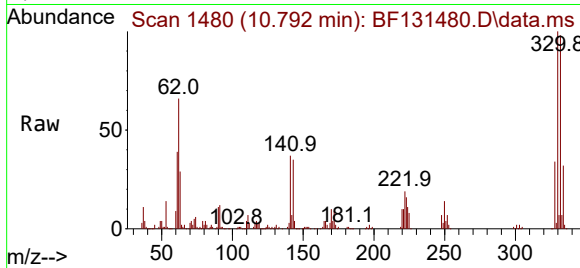




#67
4-Bromophenyl-phenylether
Concen: 2.734 ng
RT: 10.792 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF131480.D
Acq: 30 Nov 2022 20:00

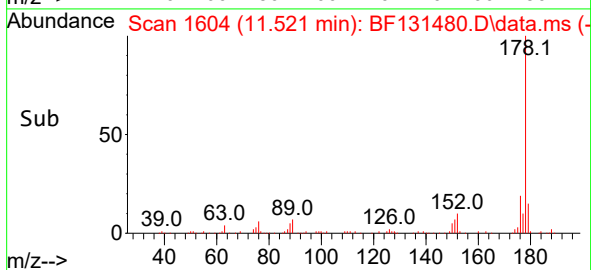
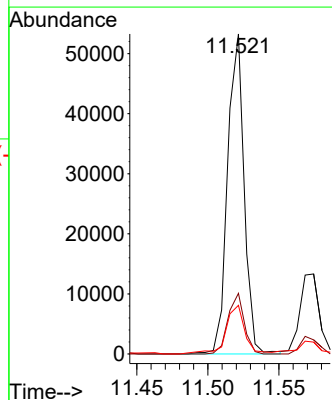
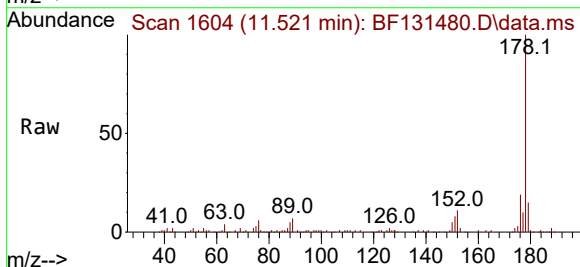
Instrument :
BNA_F
ClientSampleId :
TFI-359

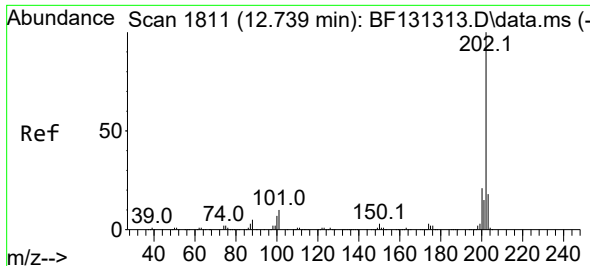
Tgt Ion:248 Resp: 10907
Ion Ratio Lower Upper
248 100
250 200.7 78.3 117.5#
141 536.4 58.0 87.0#



#71
Phenanthrene
Concen: 2.449 ng
RT: 11.521 min Scan# 1604
Delta R.T. -0.006 min
Lab File: BF131480.D
Acq: 30 Nov 2022 20:00

Tgt Ion:178 Resp: 43068
Ion Ratio Lower Upper
178 100
176 18.9 15.6 23.4
179 15.2 12.4 18.6

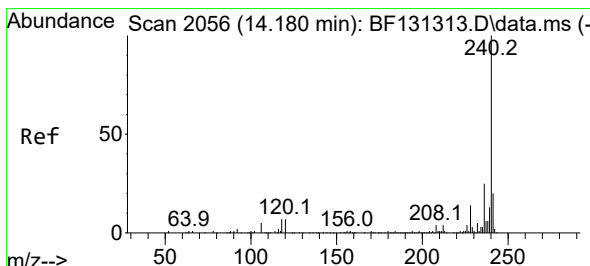
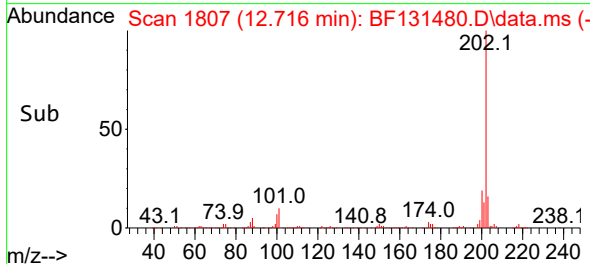
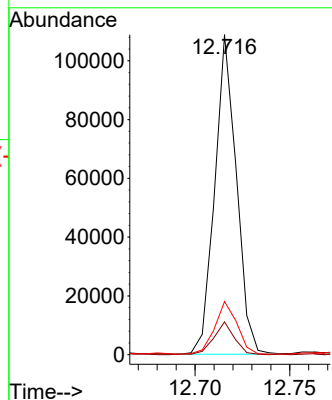
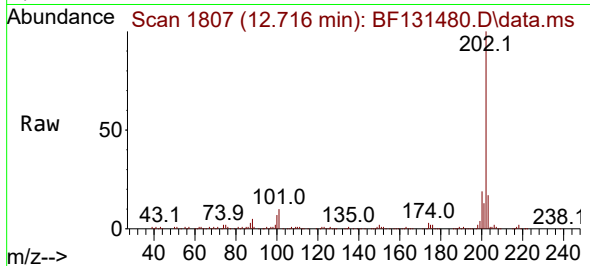




#75
Fluoranthene
Concen: 4.680 ng
RT: 12.716 min Scan# 1807
Delta R.T. -0.006 min
Lab File: BF131480.D
Acq: 30 Nov 2022 20:00

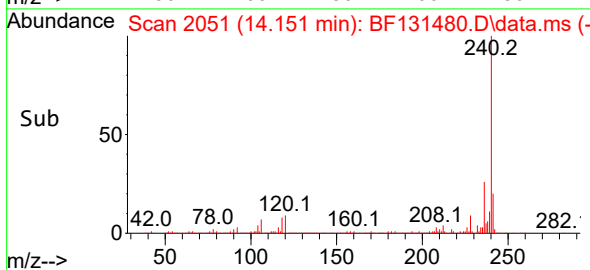
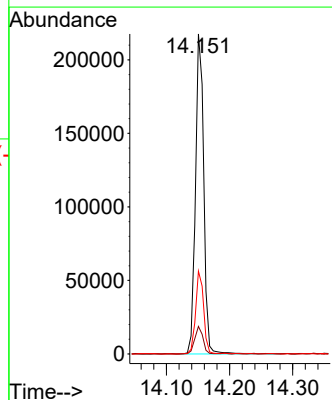
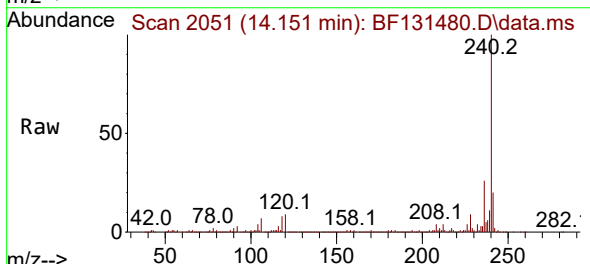
Instrument :
BNA_F
ClientSampleId :
TFI-359

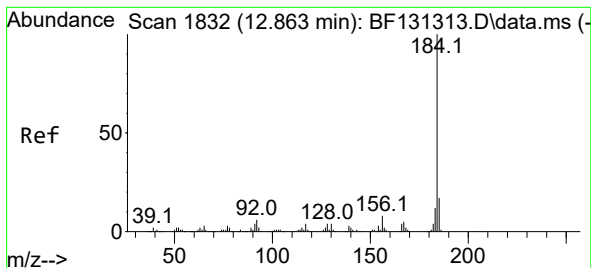
Tgt Ion:202 Resp: 86736
Ion Ratio Lower Upper
202 100
101 10.3 0.0 29.6
203 16.6 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.151 min Scan# 2051
Delta R.T. -0.006 min
Lab File: BF131480.D
Acq: 30 Nov 2022 20:00

Tgt Ion:240 Resp: 197769
Ion Ratio Lower Upper
240 100
120 8.6 5.8 8.8
236 25.9 20.3 30.5





#77

Benzidine

Concen: 2.272 ng

RT: 13.092 min Scan# 1871

Delta R.T. 0.247 min

Lab File: BF131480.D

Acq: 30 Nov 2022 20:00

Instrument :

BNA_F

ClientSampleId :

TFI-359

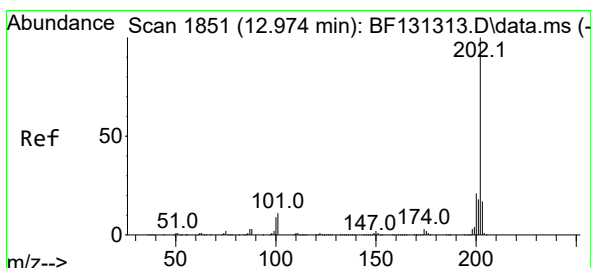
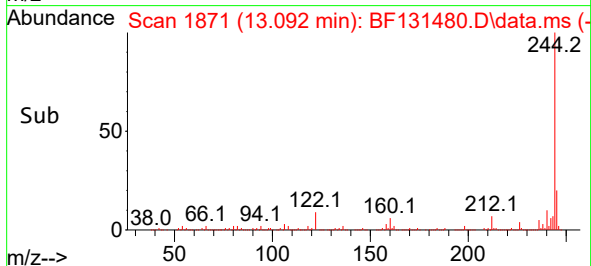
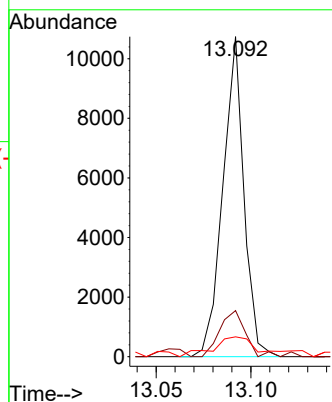
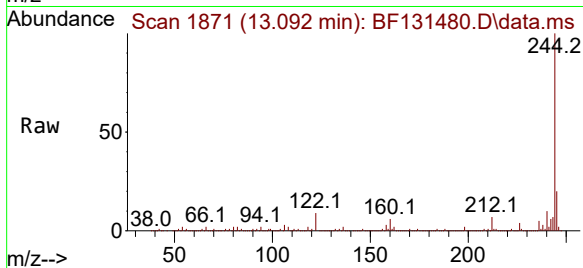
Tgt Ion:184 Resp: 8300

Ion Ratio Lower Upper

184 100

185 14.4 13.8 20.8

183 6.2 9.6 14.4#



#78

Pyrene

Concen: 5.523 ng

RT: 12.951 min Scan# 1847

Delta R.T. -0.006 min

Lab File: BF131480.D

Acq: 30 Nov 2022 20:00

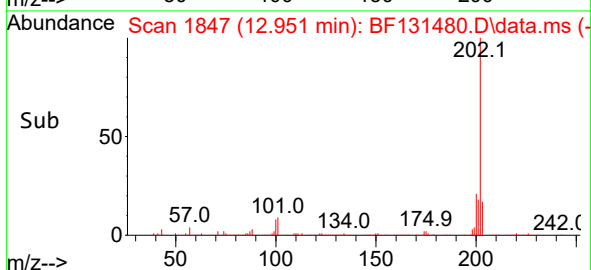
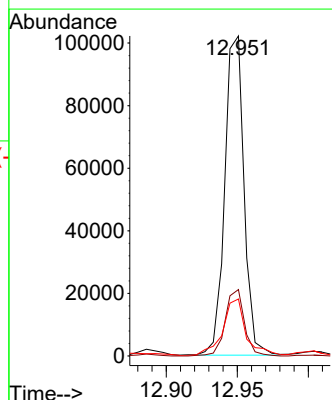
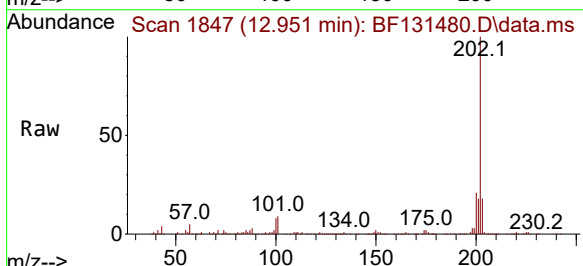
Tgt Ion:202 Resp: 96375

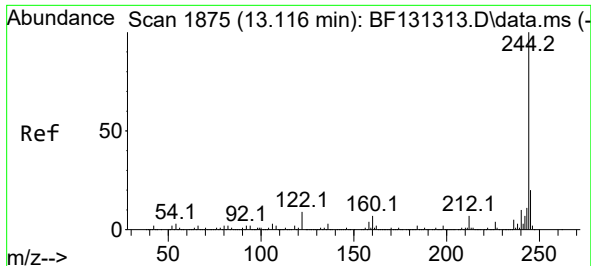
Ion Ratio Lower Upper

202 100

200 20.8 16.9 25.3

203 17.8 13.9 20.9

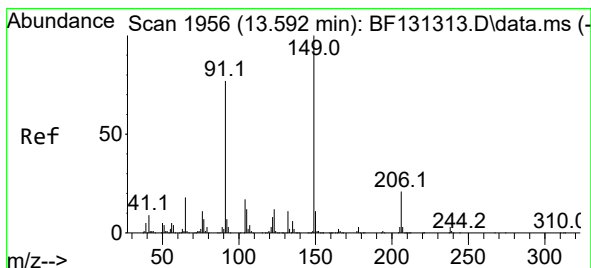
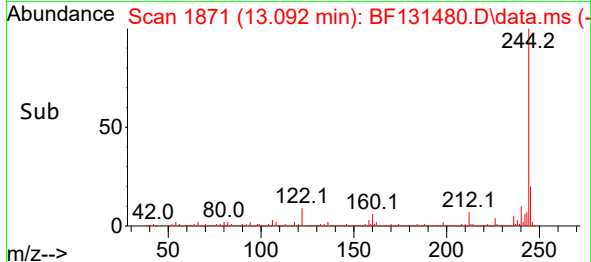
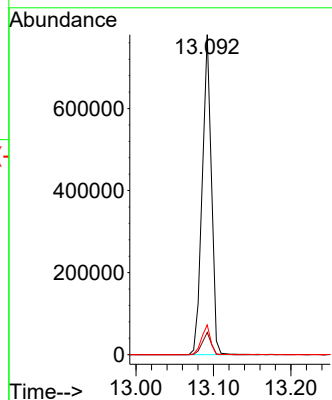
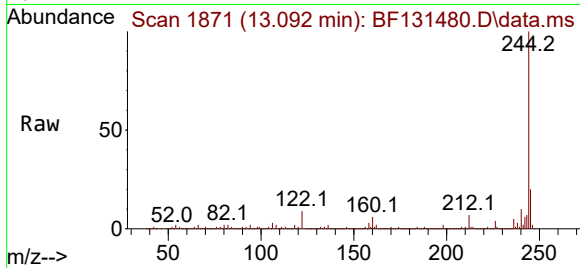




#79
 Terphenyl-d14
 Concen: 53.065 ng
 RT: 13.092 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF131480.D
 Acq: 30 Nov 2022 20:00

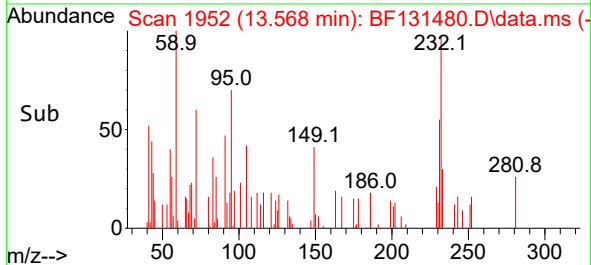
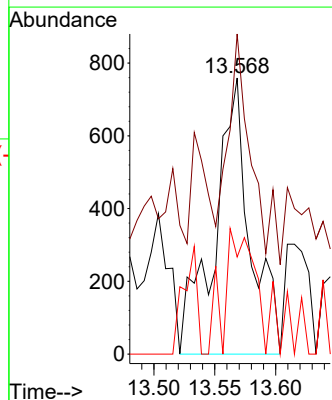
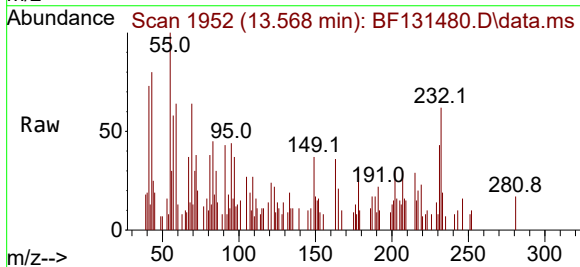
Instrument :
 BNA_F
 ClientSampleId :
 TFI-359

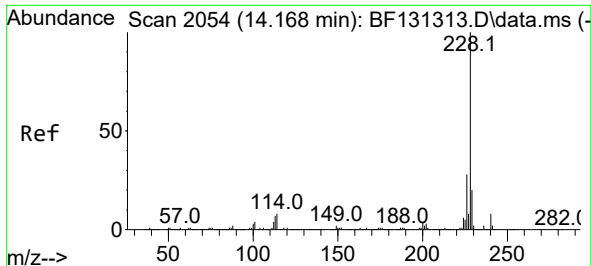
Tgt Ion:244 Resp: 641772
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.9 8.9
 122 9.3 7.5 11.3



#80
 Butylbenzylphthalate
 Concen: 4.382 ng
 RT: 13.568 min Scan# 1952
 Delta R.T. -0.000 min
 Lab File: BF131480.D
 Acq: 30 Nov 2022 20:00

Tgt Ion:149 Resp: 1531
 Ion Ratio Lower Upper
 149 100
 91 115.9 61.9 92.9#
 206 35.2 16.5 24.7#

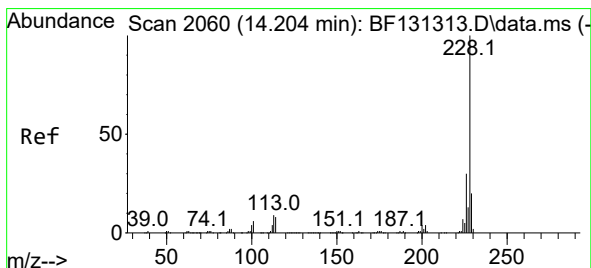
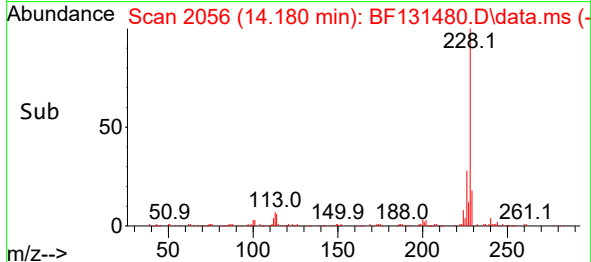
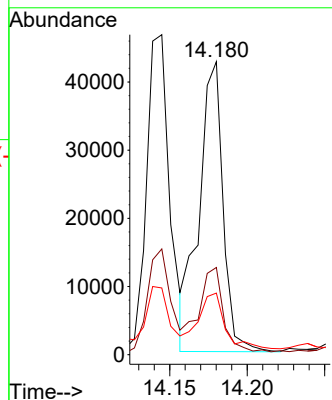
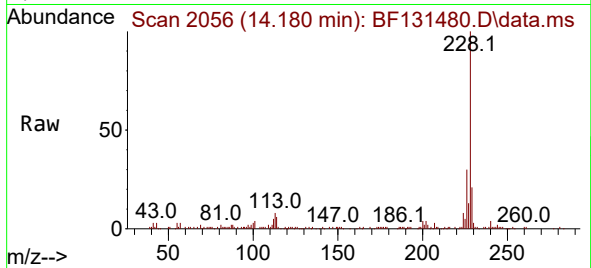




#81
Benzo(a)anthracene
Concen: 3.395 ng
RT: 14.180 min Scan# 2056
Delta R.T. 0.035 min
Lab File: BF131480.D
Acq: 30 Nov 2022 20:00

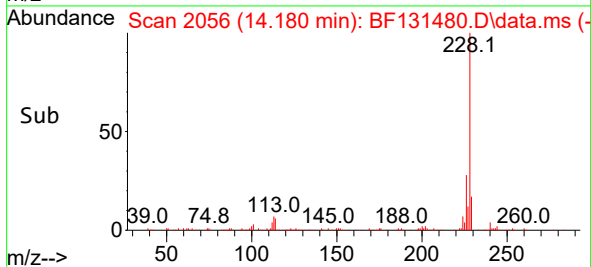
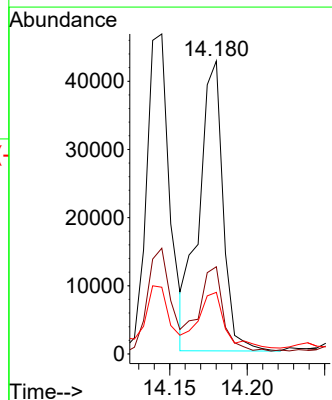
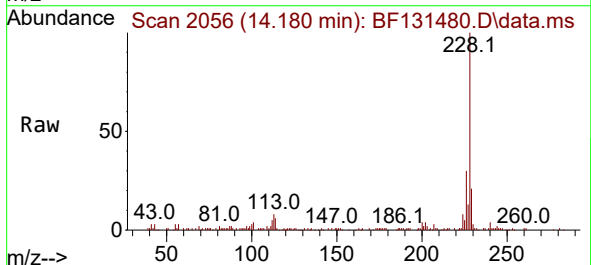
Instrument :
BNA_F
ClientSampleId :
TFI-359

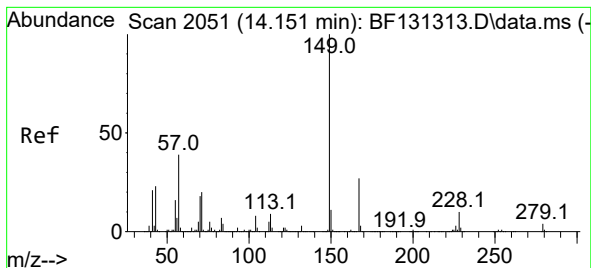
Tgt Ion:228 Resp: 46028
Ion Ratio Lower Upper
228 100
226 29.8 22.0 33.0
229 21.0 15.7 23.5



#83
Chrysene
Concen: 3.461 ng
RT: 14.180 min Scan# 2056
Delta R.T. -0.006 min
Lab File: BF131480.D
Acq: 30 Nov 2022 20:00

Tgt Ion:228 Resp: 46028
Ion Ratio Lower Upper
228 100
226 29.8 23.7 35.5
229 21.0 16.2 24.4

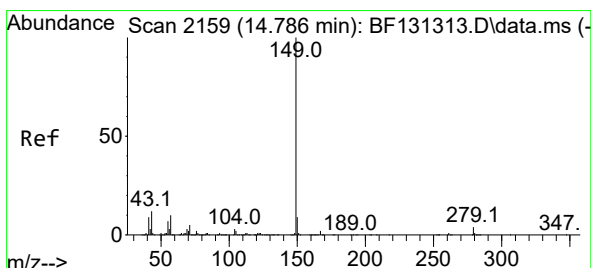
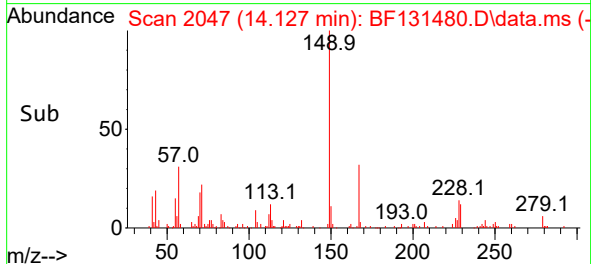
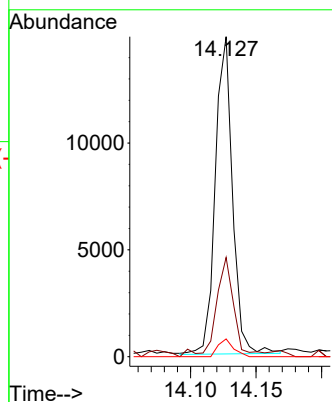
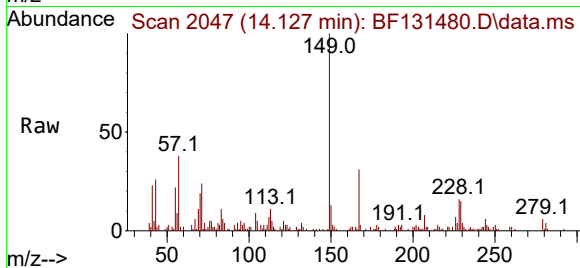




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 5.352 ng
 RT: 14.127 min Scan# 2051
 Delta R.T. -0.000 min
 Lab File: BF131480.D
 Acq: 30 Nov 2022 20:00

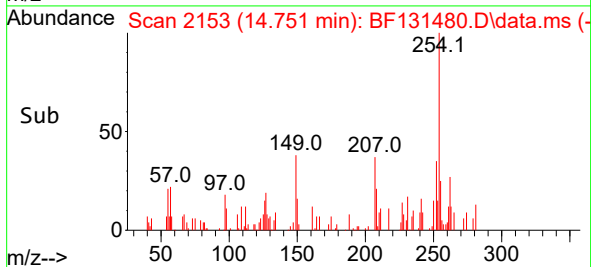
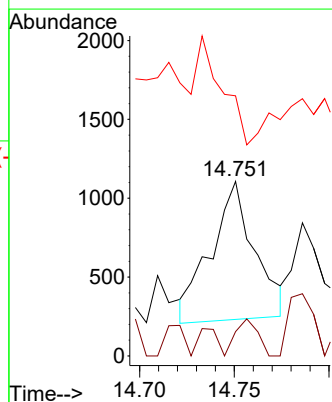
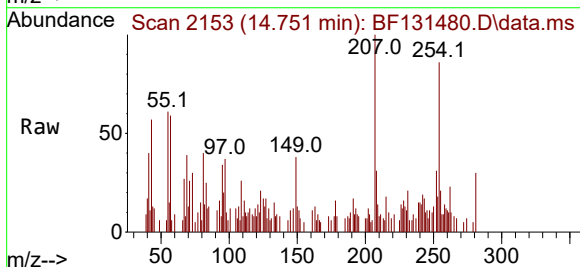
Instrument :
 BNA_F
 ClientSampleId :
 TFI-359

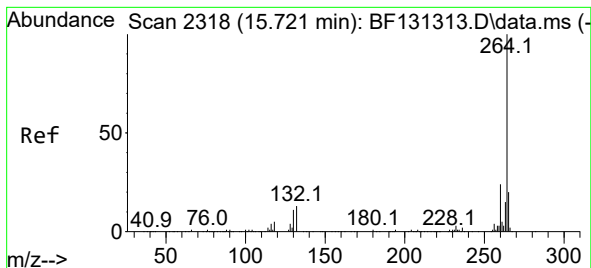
Tgt Ion:149 Resp: 13547
 Ion Ratio Lower Upper
 149 100
 167 31.0 21.9 32.9
 279 5.5 3.0 4.4#



#85
 Di-n-octyl phthalate
 Concen: 4.047 ng
 RT: 14.751 min Scan# 2153
 Delta R.T. -0.006 min
 Lab File: BF131480.D
 Acq: 30 Nov 2022 20:00

Tgt Ion:149 Resp: 1407
 Ion Ratio Lower Upper
 149 100
 167 13.6 1.2 1.8#
 43 0.0 10.7 16.1#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.686 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF131480.D

Acq: 30 Nov 2022 20:00

Instrument :

BNA_F

ClientSampleId :

TFI-359

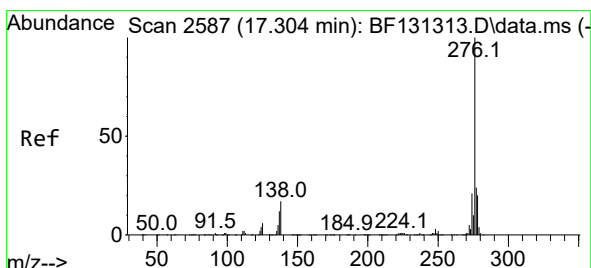
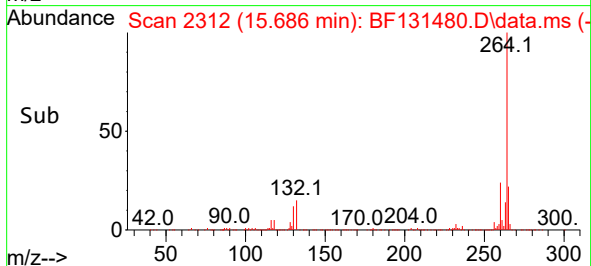
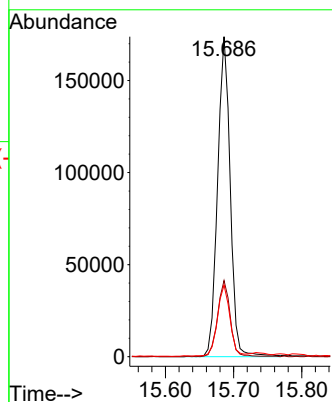
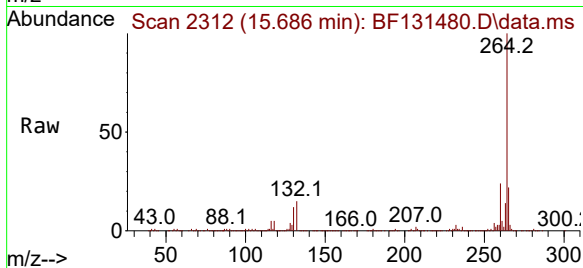
Tgt Ion:264 Resp: 224057

Ion Ratio Lower Upper

264 100

260 23.8 19.0 28.4

265 22.3 16.4 24.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.472 ng

RT: 17.239 min Scan# 2576

Delta R.T. -0.018 min

Lab File: BF131480.D

Acq: 30 Nov 2022 20:00

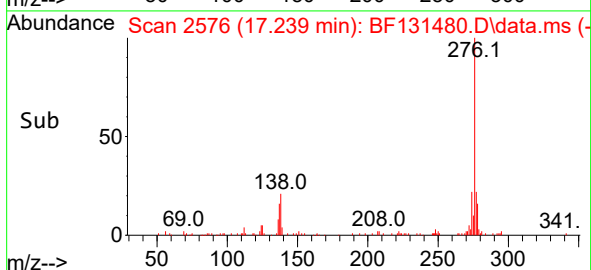
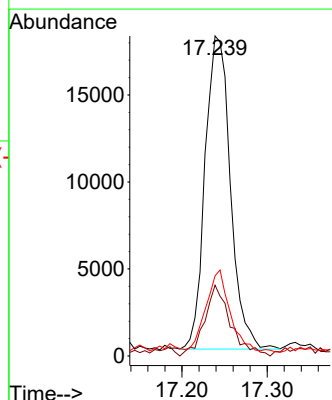
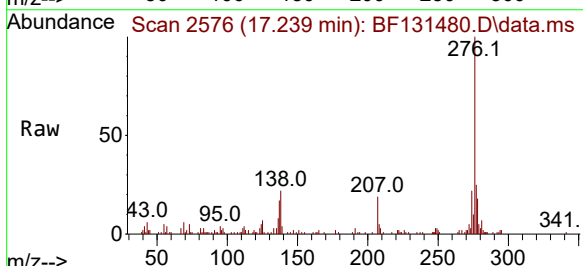
Tgt Ion:276 Resp: 37205

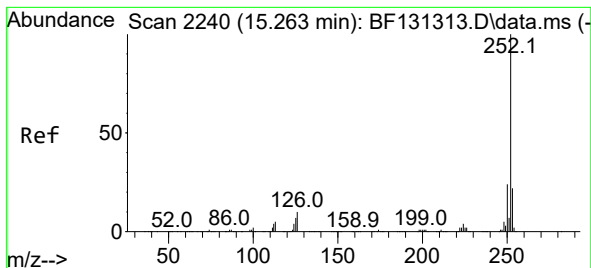
Ion Ratio Lower Upper

276 100

138 22.9 15.8 23.6

277 25.0 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 6.037 ng

RT: 15.227 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF131480.D

Acq: 30 Nov 2022 20:00

Instrument :

BNA_F

ClientSampleId :

TFI-359

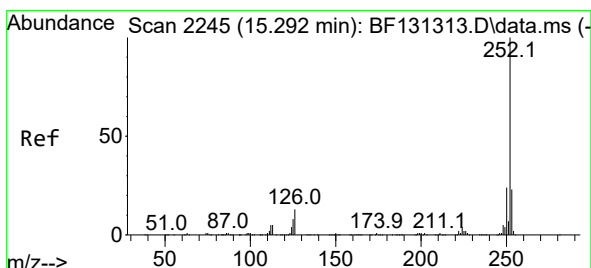
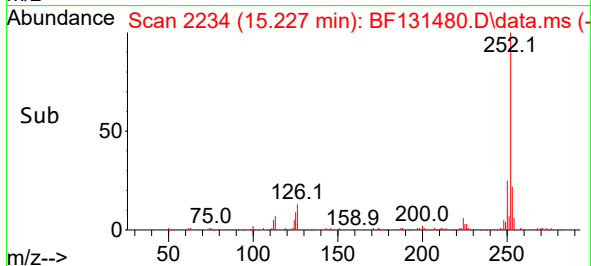
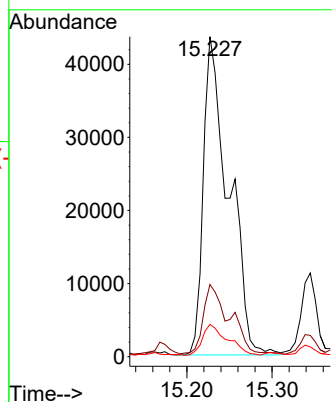
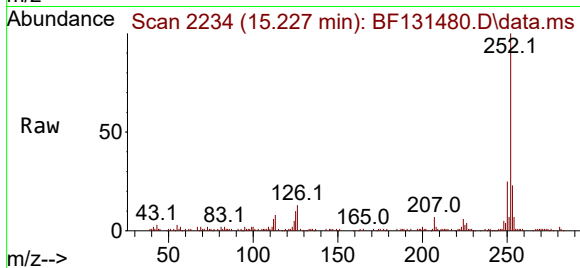
Tgt Ion:252 Resp: 89859

Ion Ratio Lower Upper

252 100

253 22.6 17.5 26.3

125 10.1 5.8 8.6#



#89

Benzo(k)fluoranthene

Concen: 5.875 ng

RT: 15.227 min Scan# 2234

Delta R.T. -0.041 min

Lab File: BF131480.D

Acq: 30 Nov 2022 20:00

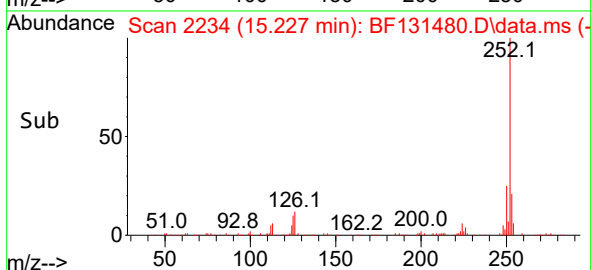
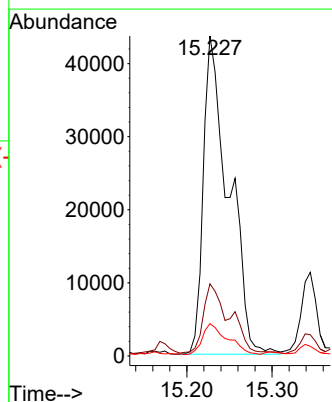
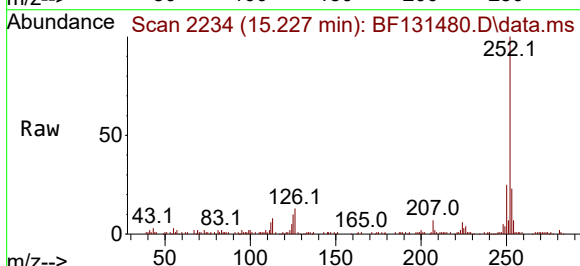
Tgt Ion:252 Resp: 89859

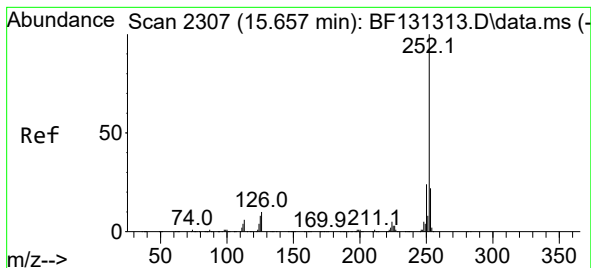
Ion Ratio Lower Upper

252 100

253 22.6 17.9 26.9

125 10.1 6.6 10.0#





#90

Benzo(a)pyrene

Concen: 4.877 ng

RT: 15.615 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF131480.D

Acq: 30 Nov 2022 20:00

Instrument :

BNA_F

ClientSampleId :

TFI-359

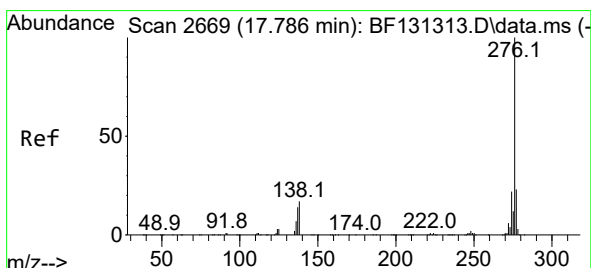
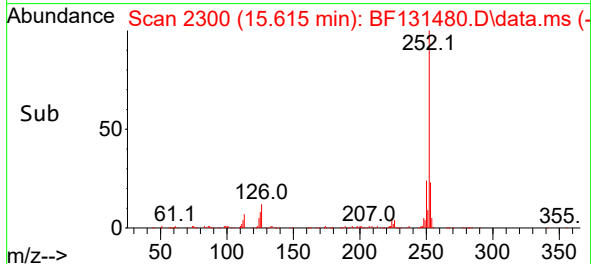
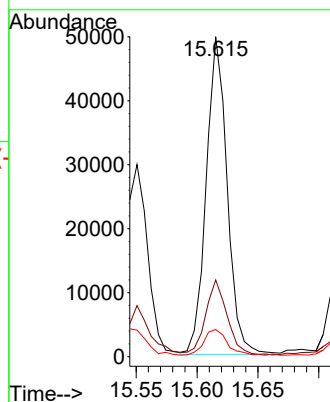
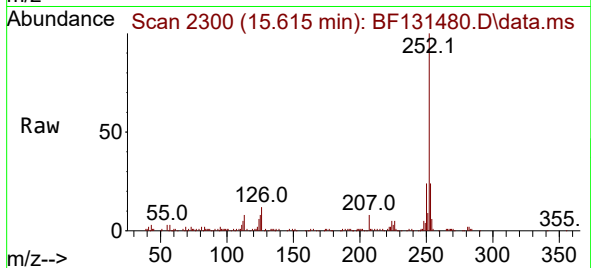
Tgt Ion:252 Resp: 59564

Ion Ratio Lower Upper

252 100

253 24.0 17.5 26.3

125 8.5 6.1 9.1



#92

Benzo(g,h,i)perylene

Concen: 3.278 ng

RT: 17.715 min Scan# 2657

Delta R.T. -0.024 min

Lab File: BF131480.D

Acq: 30 Nov 2022 20:00

Tgt Ion:276 Resp: 40650

Ion Ratio Lower Upper

276 100

277 23.0 18.3 27.5

138 18.6 13.8 20.6

