

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060523\
 Data File : BF133580.D
 Acq On : 05 Jun 2023 22:49
 Operator : CG\JU
 Sample : 02983-05
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB24A

Quant Time: Jun 06 01:08:34 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 17:49:53 2023
 Response via : Initial Calibration

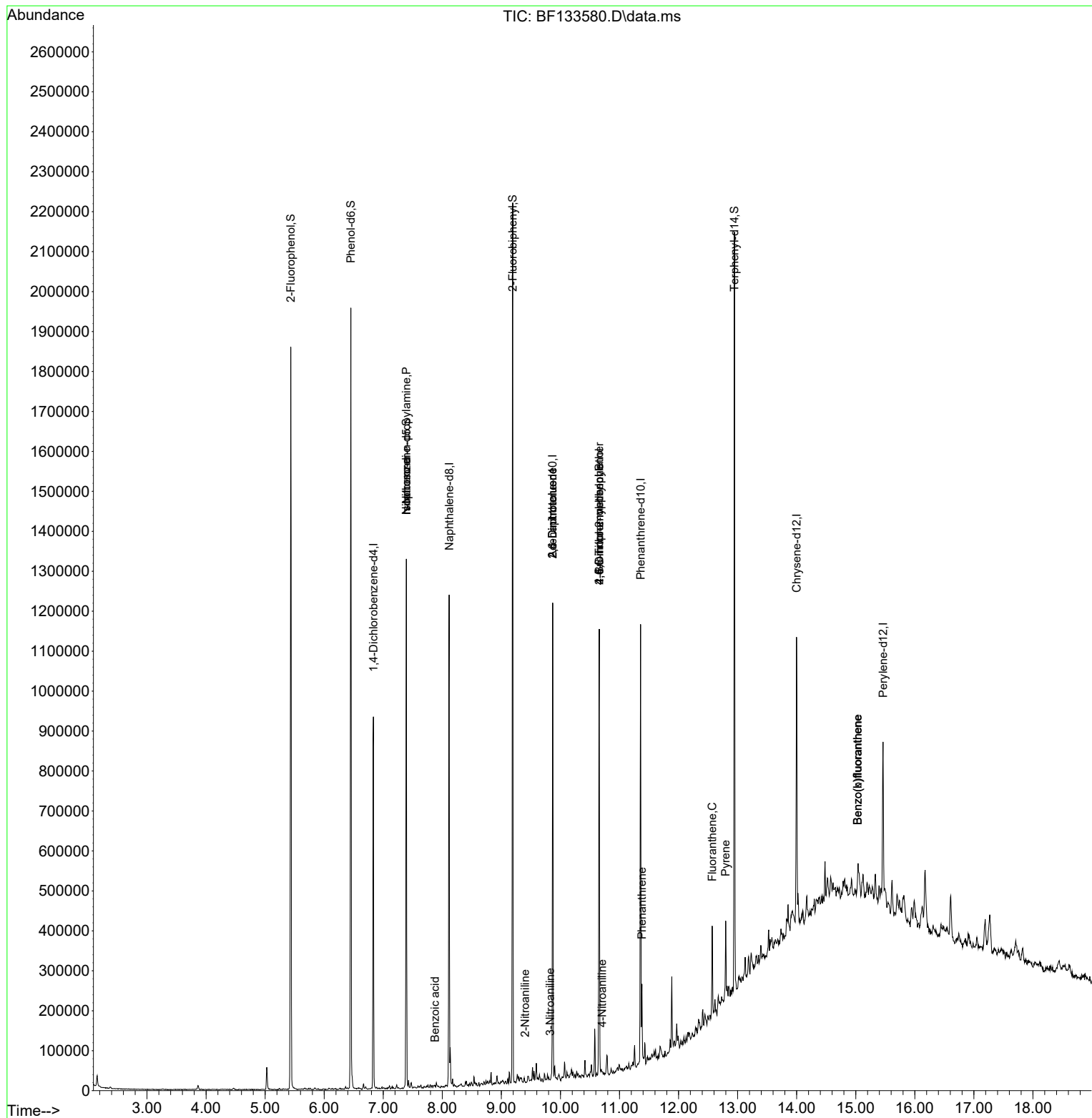
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	133854	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	487058	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	210132	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	369923	20.000	ng	0.00
76) Chrysene-d12	13.998	240	224516	20.000	ng	0.00
86) Perylene-d12	15.463	264	183177	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	478540	59.649	ng	0.00
7) Phenol-d6	6.451	99	567734	57.487	ng	0.00
23) Nitrobenzene-d5	7.392	82	344691	47.252	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	126475	60.381	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	634270	46.588	ng	0.00
79) Terphenyl-d14	12.945	244	600542	47.558	ng	0.00
Target Compounds						
9) Benzaldehyde	6.375	77	375	Below Cal		Qvalue
19) n-Nitroso-di-n-propyla...	7.392	70	46691	7.307	ng	# 39
25) Isophorone	7.392	82	342902	20.170	ng	# 75
32) Benzoic acid	7.875	122	278	7.399	ng	# 65
48) 2-Nitroaniline	9.404	65	326	4.066	ng	# 53
51) 2,6-Dinitrotoluene	9.869	165	27344	12.673	ng	# 35
53) 3-Nitroaniline	9.828	138	74	3.199	ng	# 18
57) 2,4-Dinitrotoluene	9.869	165	27344	11.816	ng	# 77
62) 4-Nitroaniline	10.704	138	158	3.027	ng	# 15
65) 4,6-Dinitro-2-methylph...	10.657	198	228	8.835	ng	# 86
67) 4-Bromophenyl-phenylether	10.657	248	7990	2.034	ng	# 1
71) Phenanthrene	11.380	178	65608	3.502	ng	# 99
75) Fluoranthene	12.569	202	82381	3.981	ng	# 99
78) Pyrene	12.798	202	77183	4.040	ng	# 98
88) Benzo(b)fluoranthene	15.033	252	38214	3.204	ng	# 66
89) Benzo(k)fluoranthene	15.033	252	38214	3.286	ng	# 66

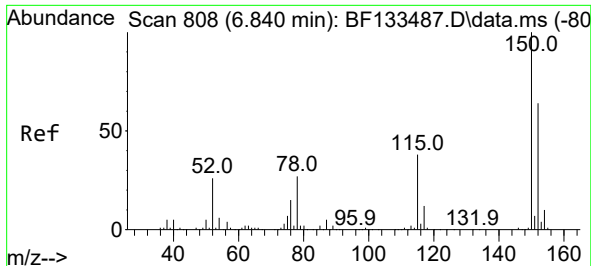
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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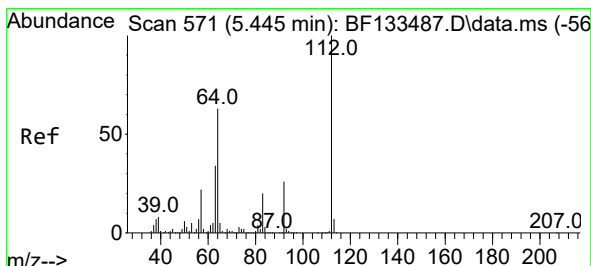
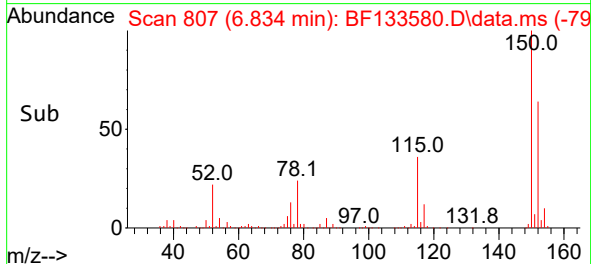
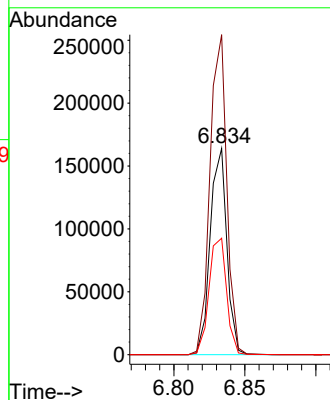
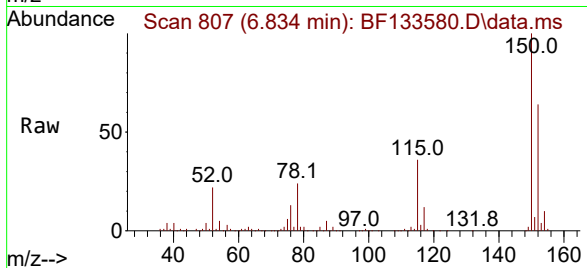




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 80
Delta R.T. -0.000 min
Lab File: BF133580.D
Acq: 05 Jun 2023 22:49

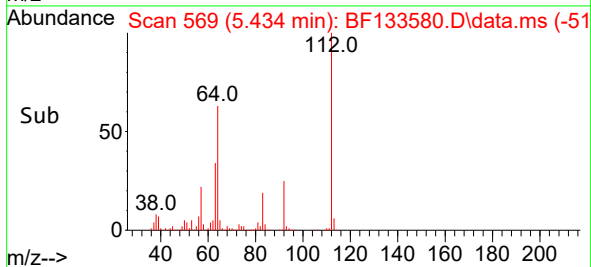
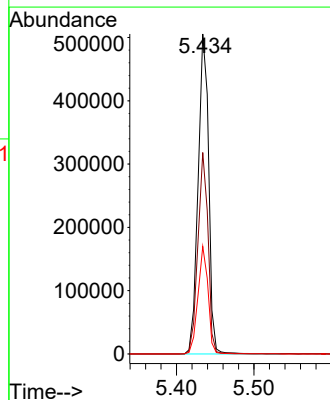
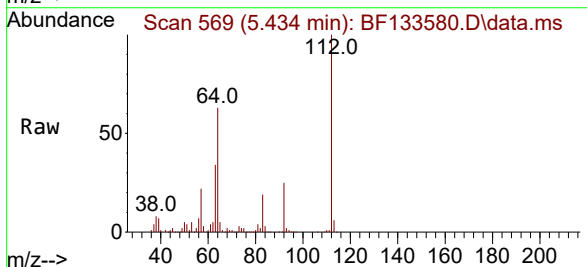
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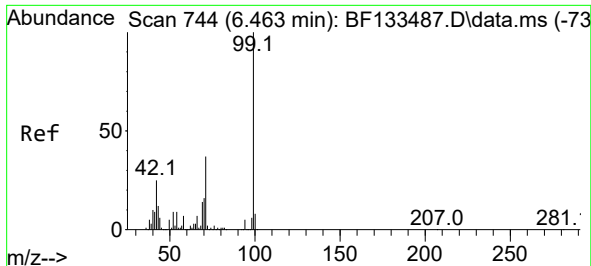
Tgt Ion:152 Resp: 133854
Ion Ratio Lower Upper
152 100
150 155.2 124.9 187.3
115 56.5 48.1 72.1



#5
2-Fluorophenol
Concen: 59.649 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.000 min
Lab File: BF133580.D
Acq: 05 Jun 2023 22:49

Tgt Ion:112 Resp: 478540
Ion Ratio Lower Upper
112 100
64 62.9 50.1 75.1
63 33.6 27.5 41.3





#7

Phenol-d6

Concen: 57.487 ng

RT: 6.451 min Scan# 744

Delta R.T. -0.006 min

Lab File: BF133580.D

Acq: 05 Jun 2023 22:49

Instrument :

BNA_F

ClientSampleId :

SB24A

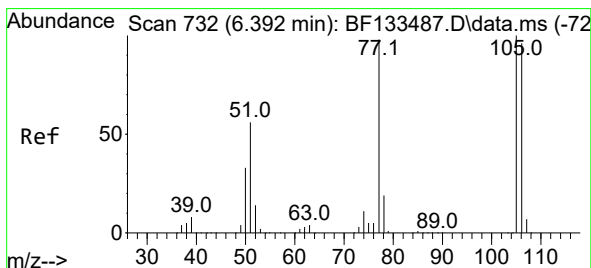
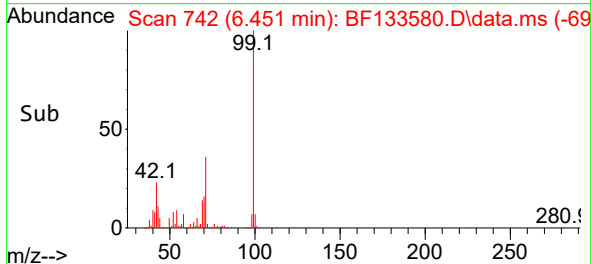
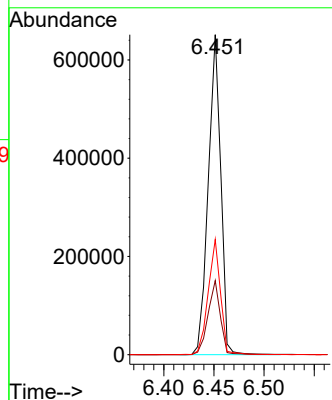
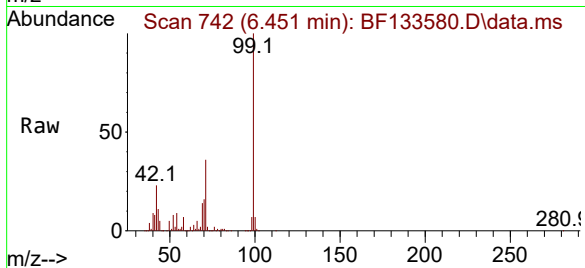
Tgt Ion: 99 Resp: 567734

Ion Ratio Lower Upper

99 100

42 23.1 19.7 29.5

71 36.0 29.8 44.8



#9

Benzaldehyde

Concen: Below Cal

RT: 6.375 min Scan# 729

Delta R.T. -0.006 min

Lab File: BF133580.D

Acq: 05 Jun 2023 22:49

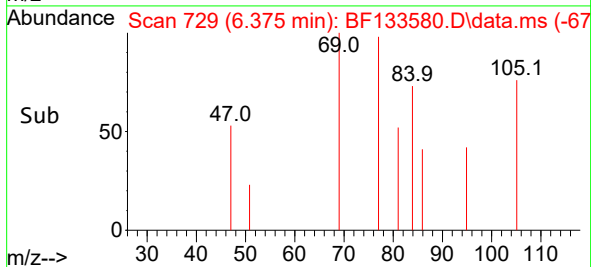
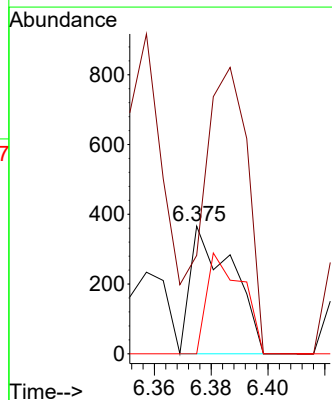
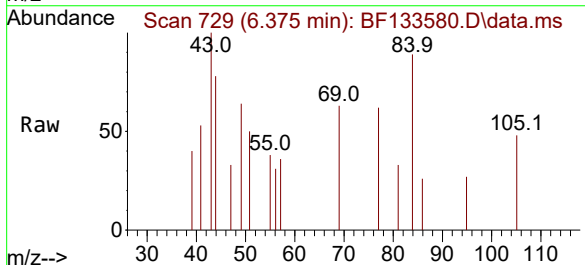
Tgt Ion: 77 Resp: 375

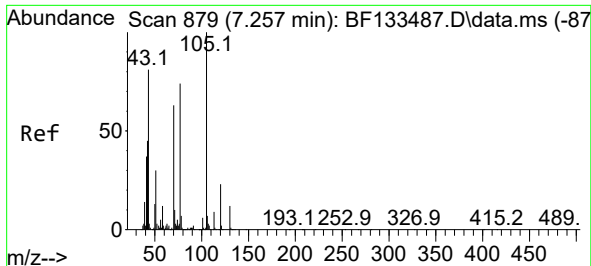
Ion Ratio Lower Upper

77 100

105 77.0 81.9 121.9#

106 0.0 77.8 117.8#

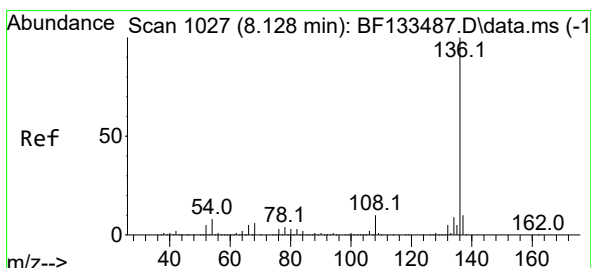
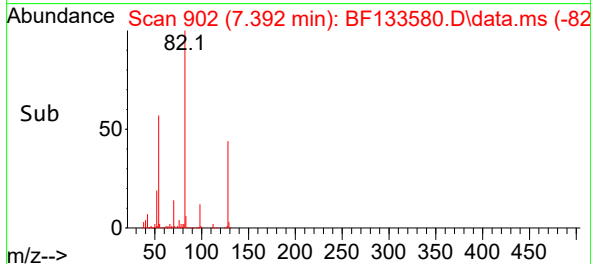
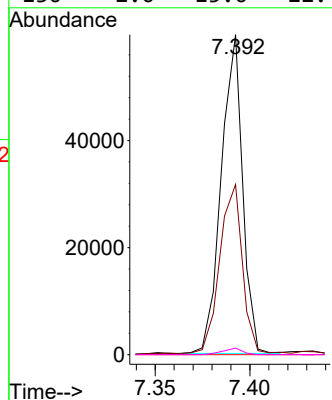
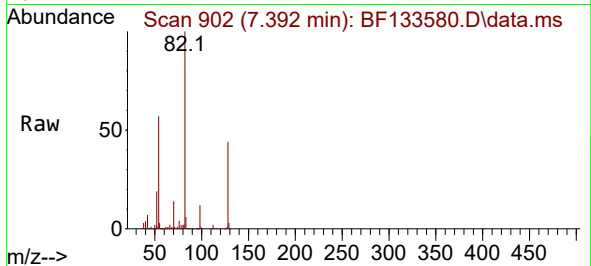




#19
n-Nitroso-di-n-propylamine
Concen: 7.307 ng
RT: 7.392 min Scan# 90
Delta R.T. 0.141 min
Lab File: BF133580.D
Acq: 05 Jun 2023 22:49

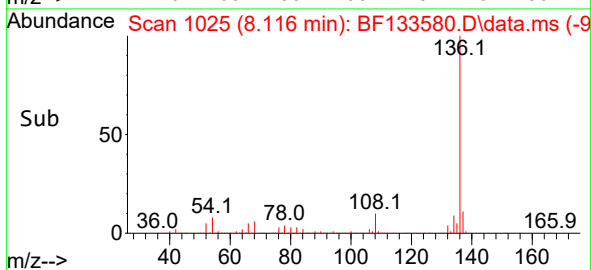
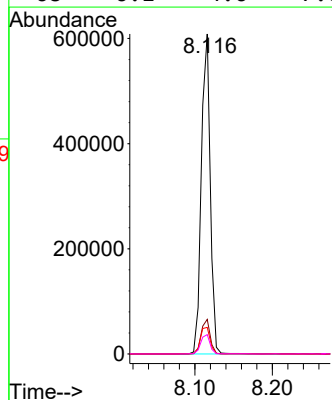
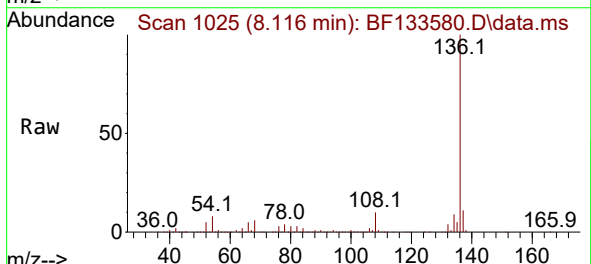
Instrument :
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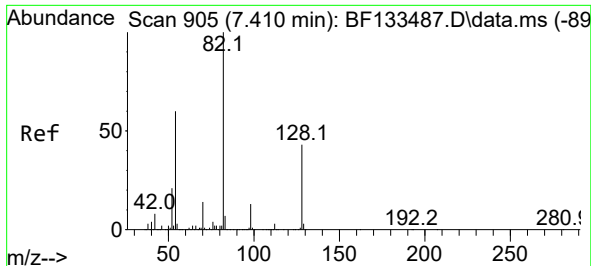
Tgt Ion: 70	Resp: 46691
Ion Ratio	Lower Upper
70	100
42	53.2 57.2 85.8#
101	0.0 7.3 10.9#
130	2.0 15.0 22.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. 0.000 min
Lab File: BF133580.D
Acq: 05 Jun 2023 22:49

Tgt Ion: 136	Resp: 487058
Ion Ratio	Lower Upper
136	100
137	10.8 8.2 12.4
54	8.3 6.6 10.0
68	6.1 4.6 7.0





#23

Nitrobenzene-d5

Concen: 47.252 ng

RT: 7.392 min Scan# 902

Delta R.T. -0.006 min

Lab File: BF133580.D

Acq: 05 Jun 2023 22:49

Instrument :

BNA_F

ClientSampleId :

SB24A

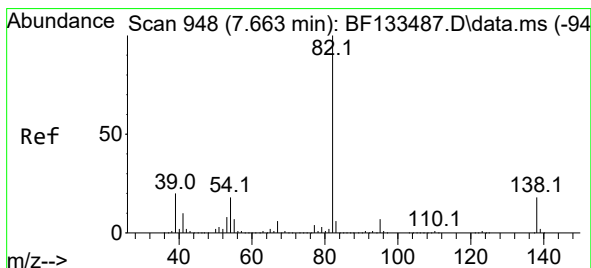
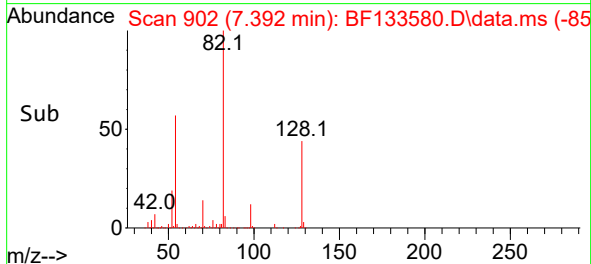
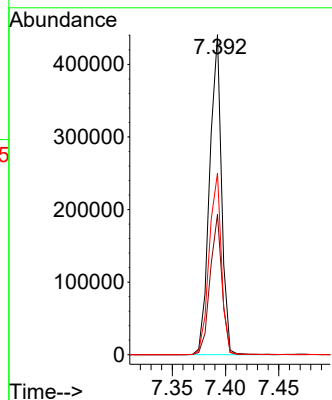
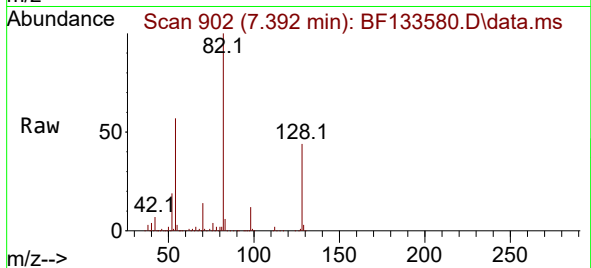
Tgt Ion: 82 Resp: 344691

Ion Ratio Lower Upper

82 100

128 43.9 34.2 51.4

54 56.7 48.2 72.4



#25

Isophorone

Concen: 20.170 ng

RT: 7.392 min Scan# 902

Delta R.T. -0.265 min

Lab File: BF133580.D

Acq: 05 Jun 2023 22:49

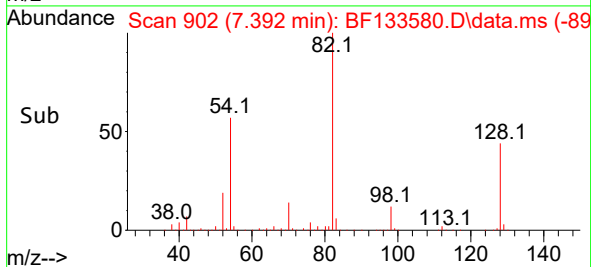
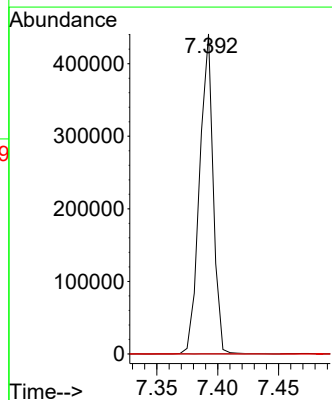
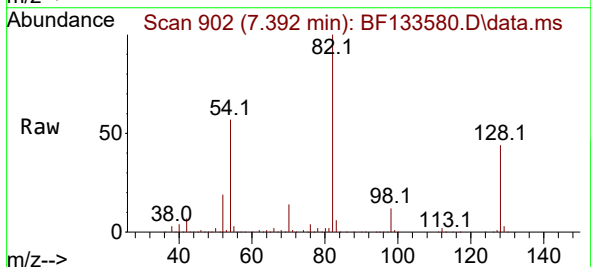
Tgt Ion: 82 Resp: 342902

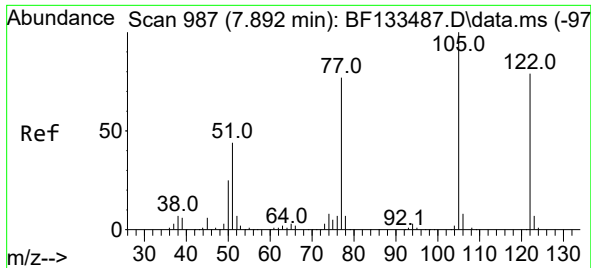
Ion Ratio Lower Upper

82 100

95 0.1 5.7 8.5#

138 0.0 14.2 21.4#

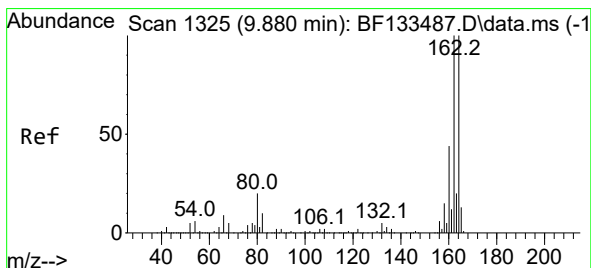
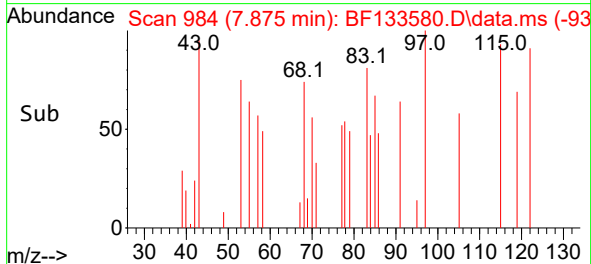
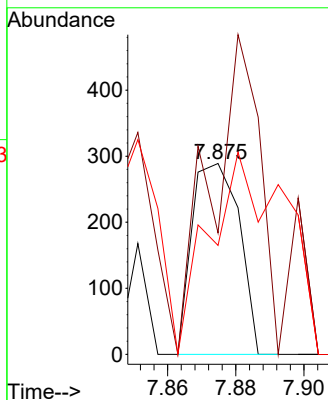
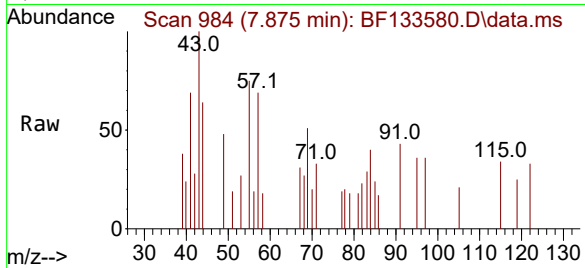




#32
Benzoic acid
Concen: 7.399 ng
RT: 7.875 min Scan# 91
Delta R.T. 0.012 min
Lab File: BF133580.D
Acq: 05 Jun 2023 22:49

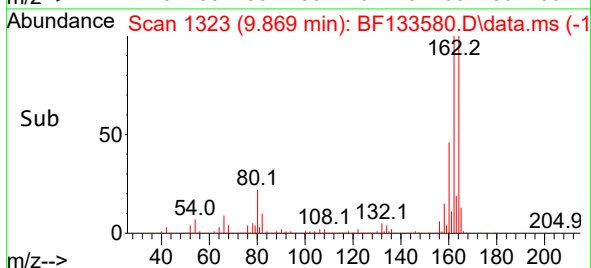
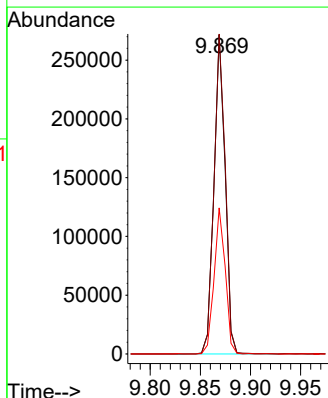
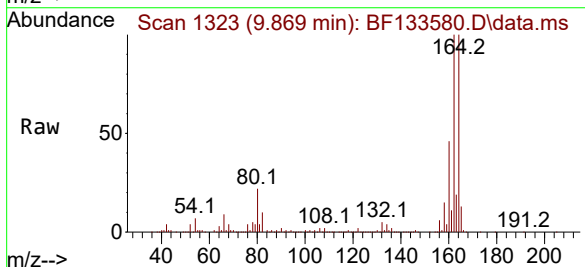
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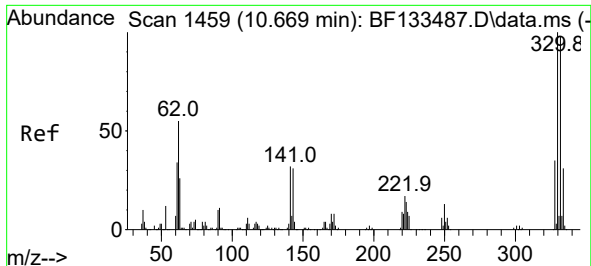
Tgt Ion:122 Resp: 278
Ion Ratio Lower Upper
122 100
105 63.7 103.3 143.3#
77 57.1 75.7 115.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF133580.D
Acq: 05 Jun 2023 22:49

Tgt Ion:164 Resp: 210132
Ion Ratio Lower Upper
164 100
162 100.4 79.7 119.5
160 45.8 35.4 53.0

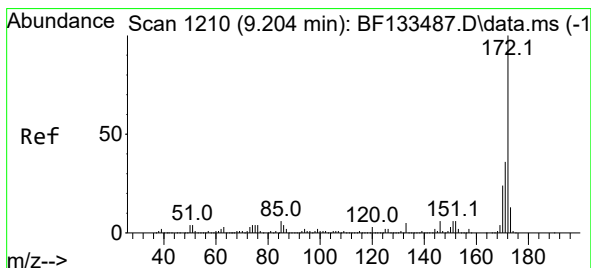
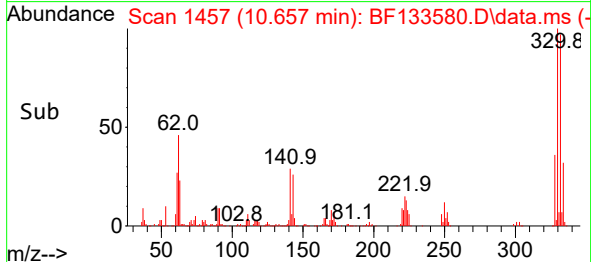
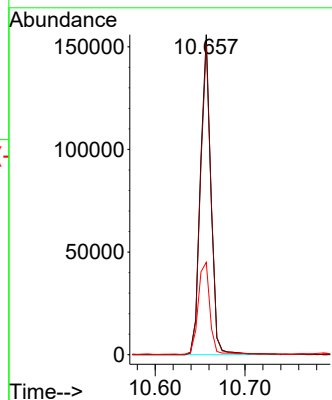
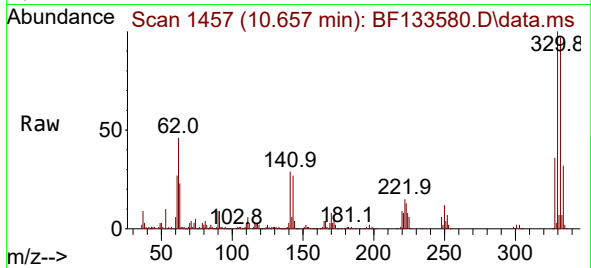




#42
2,4,6-Tribromophenol
Concen: 60.381 ng
RT: 10.657 min Scan# 1457
Delta R.T. -0.006 min
Lab File: BF133580.D
Acq: 05 Jun 2023 22:49

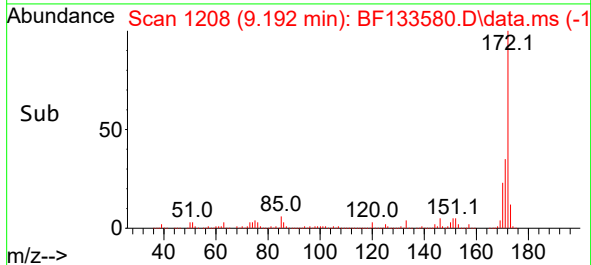
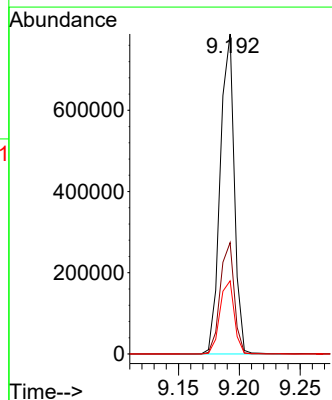
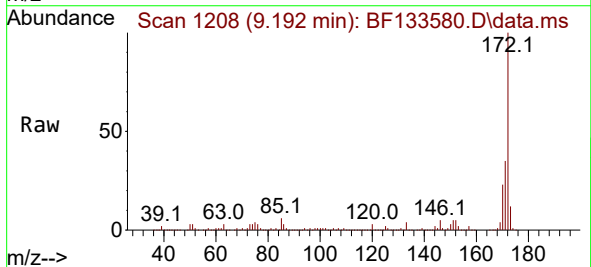
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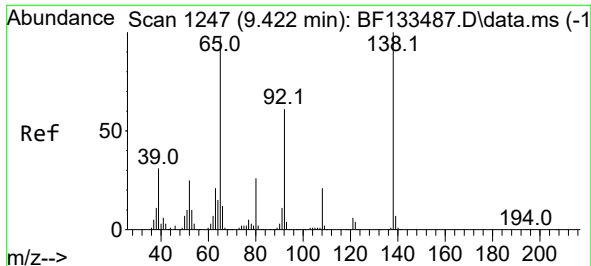
Tgt Ion:330 Resp: 126475
Ion Ratio Lower Upper
330 100
332 97.7 77.8 116.6
141 31.9 26.6 40.0



#45
2-Fluorobiphenyl
Concen: 46.588 ng
RT: 9.192 min Scan# 1208
Delta R.T. 0.000 min
Lab File: BF133580.D
Acq: 05 Jun 2023 22:49

Tgt Ion:172 Resp: 634270
Ion Ratio Lower Upper
172 100
171 34.8 28.4 42.6
170 22.8 19.3 28.9

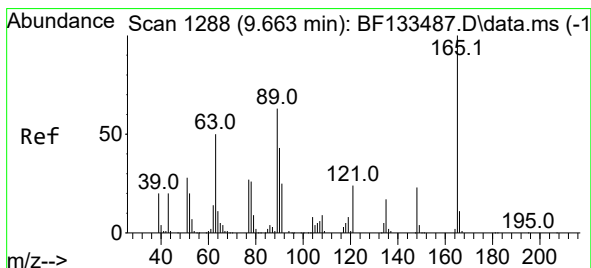
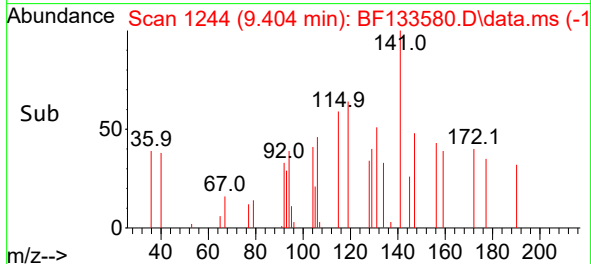
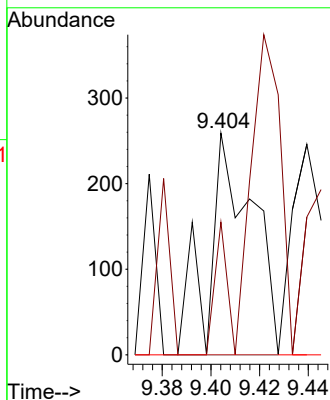
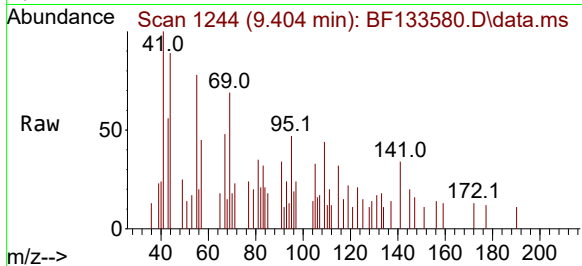




#48
2-Nitroaniline
Concen: 4.066 ng
RT: 9.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133580.D
Acq: 05 Jun 2023 22:49

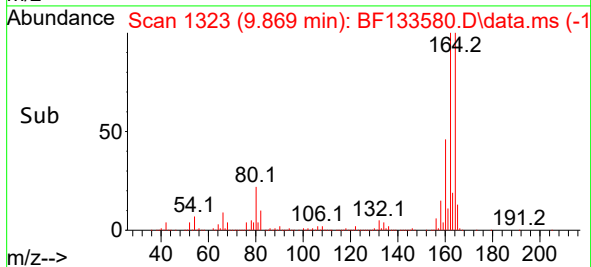
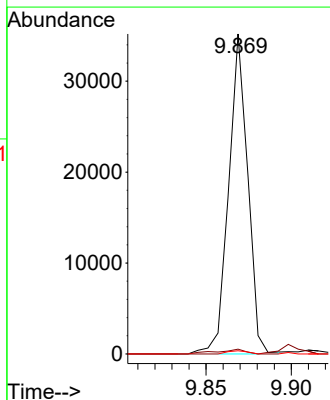
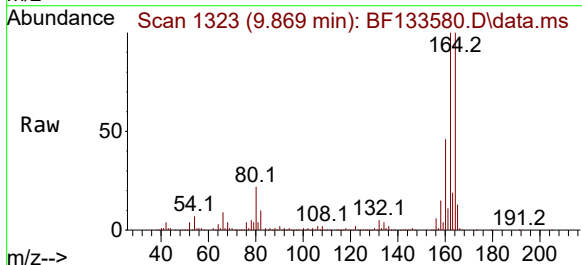
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ClientSampleId :
SB24A

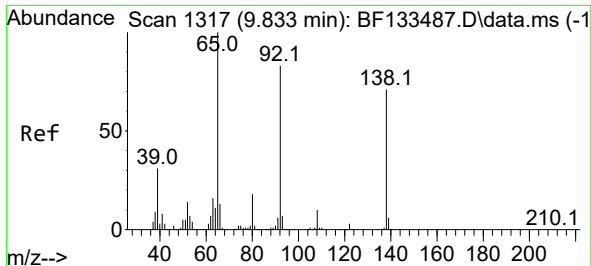
Tgt Ion: 65 Resp: 326
Ion Ratio Lower Upper
65 100
92 59.8 50.8 76.2
138 0.0 82.6 124.0#



#51
2,6-Dinitrotoluene
Concen: 12.673 ng
RT: 9.869 min Scan# 1323
Delta R.T. 0.212 min
Lab File: BF133580.D
Acq: 05 Jun 2023 22:49

Tgt Ion:165 Resp: 27344
Ion Ratio Lower Upper
165 100
63 1.5 57.0 85.4#
89 1.0 50.8 76.2#

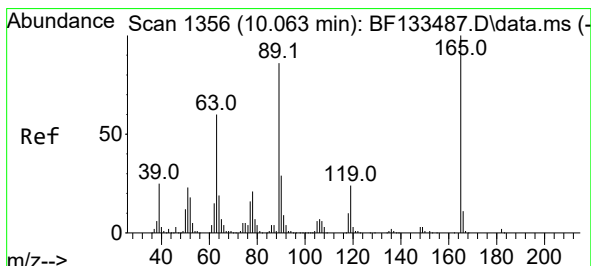
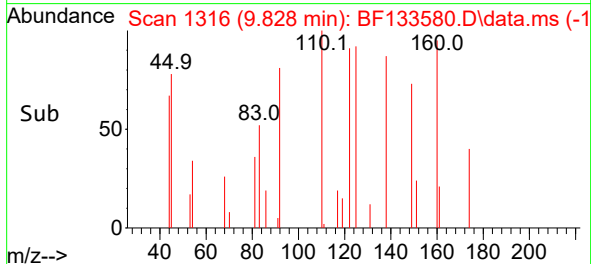
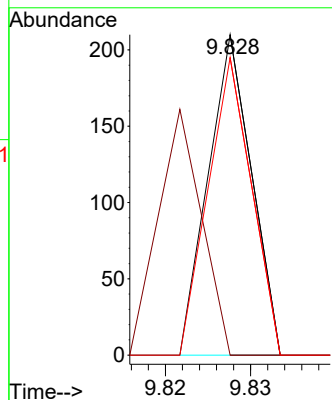
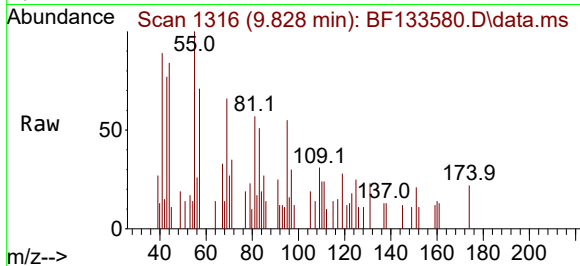




#53
3-Nitroaniline
Concen: 3.199 ng
RT: 9.828 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133580.D
Acq: 05 Jun 2023 22:49

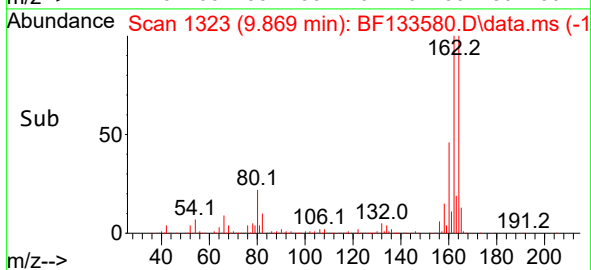
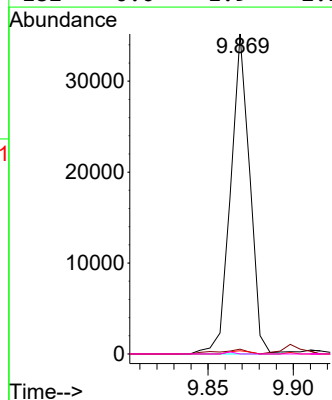
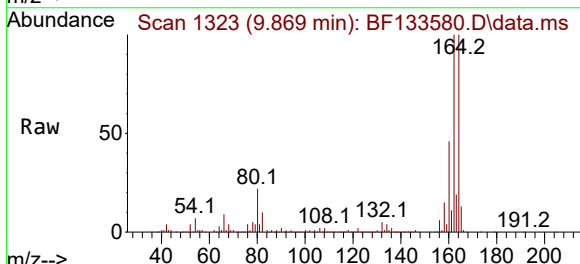
Instrument :
BNA_F
ClientSampleId :
SB24A

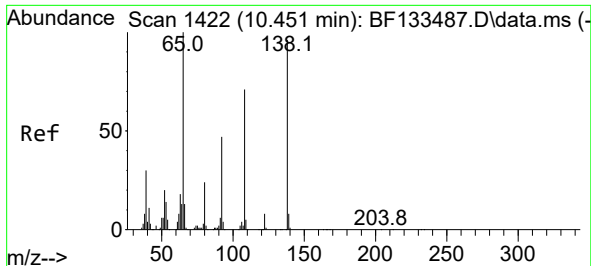
Tgt Ion:138 Resp: 74
Ion Ratio Lower Upper
138 100
108 0.0 11.9 17.9#
92 92.9 93.1 139.7#



#57
2,4-Dinitrotoluene
Concen: 11.816 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.188 min
Lab File: BF133580.D
Acq: 05 Jun 2023 22:49

Tgt Ion:165 Resp: 27344
Ion Ratio Lower Upper
165 100
63 1.5 48.1 72.1#
89 1.0 68.4 102.6#
182 0.0 1.9 2.9#

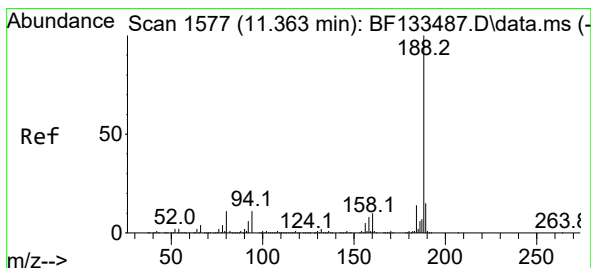
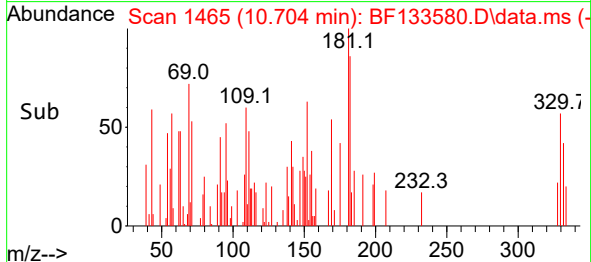
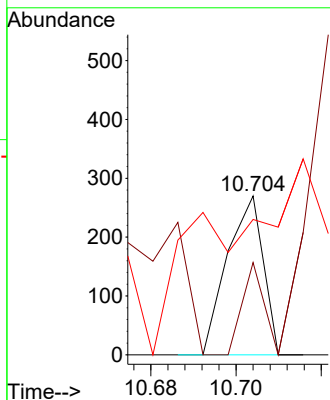
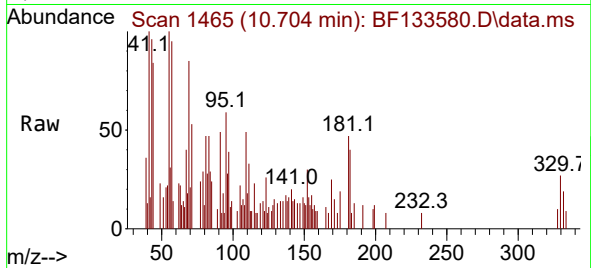




#62
4-Nitroaniline
Concen: 3.027 ng
RT: 10.704 min Scan# 1422
Delta R.T. 0.265 min
Lab File: BF133580.D
Acq: 05 Jun 2023 22:49

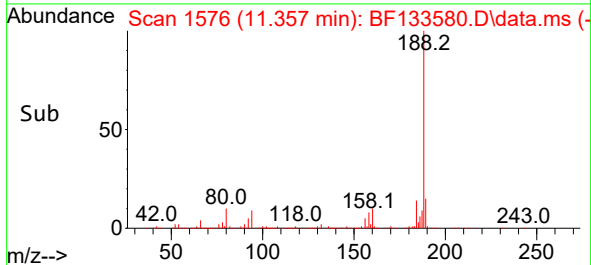
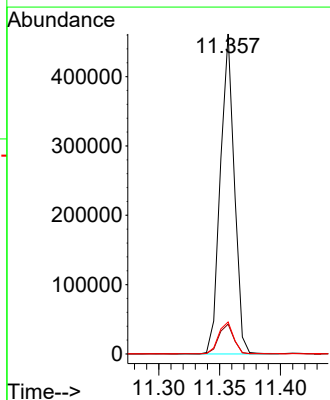
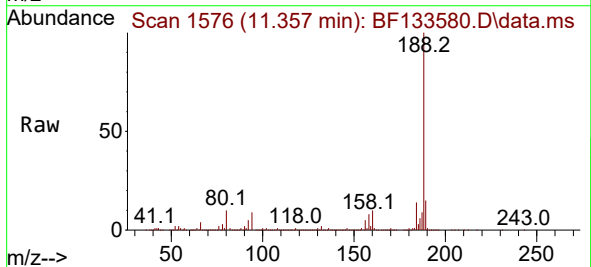
Instrument :
BNA_F
ClientSampleId :
SB24A

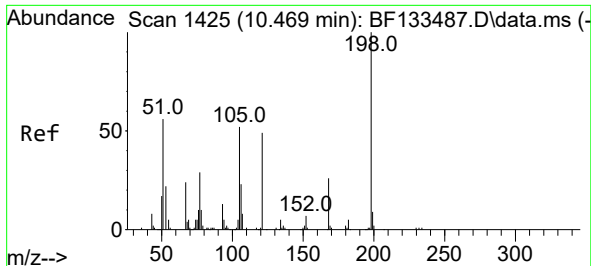
Tgt Ion:138 Resp: 158
Ion Ratio Lower Upper
138 100
92 58.1 28.4 68.4
108 85.2 54.2 94.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1576
Delta R.T. 0.000 min
Lab File: BF133580.D
Acq: 05 Jun 2023 22:49

Tgt Ion:188 Resp: 369923
Ion Ratio Lower Upper
188 100
94 9.3 8.6 12.8
80 10.0 9.2 13.8

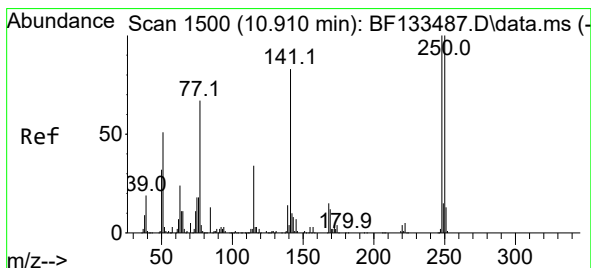
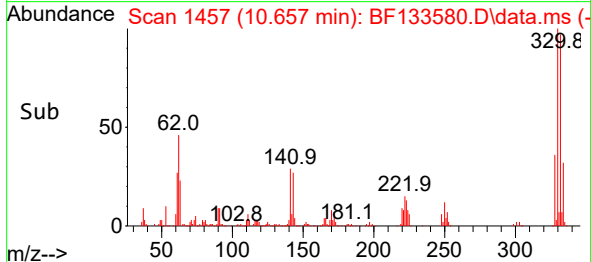
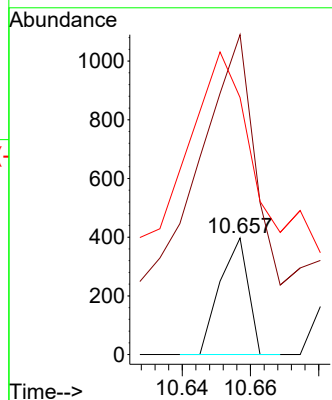
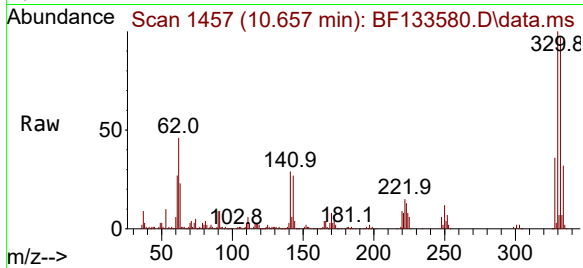




#65
4,6-Dinitro-2-methylphenol
Concen: 8.835 ng
RT: 10.657 min Scan# 1425
Delta R.T. 0.194 min
Lab File: BF133580.D
Acq: 05 Jun 2023 22:49

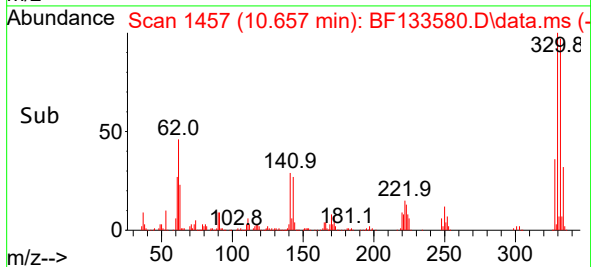
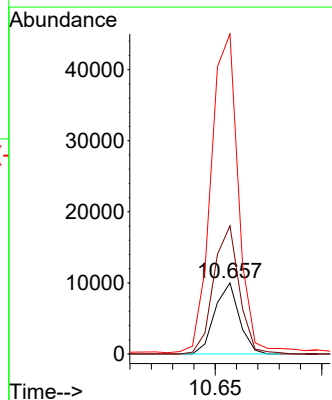
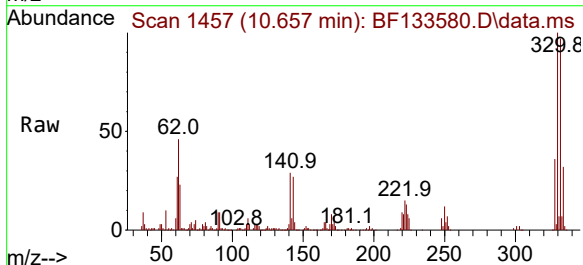
Instrument :
BNA_F
ClientSampleId :
SB24A

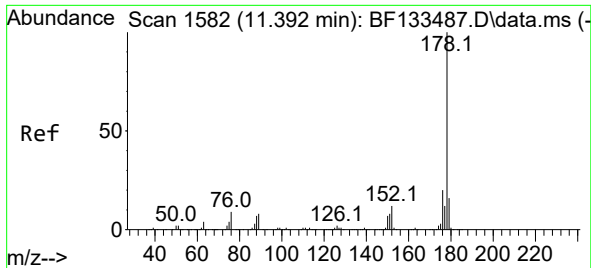
Tgt Ion:198 Resp: 228
Ion Ratio Lower Upper
198 100
51 274.6 53.6 93.6#
105 220.7 35.9 75.9#



#67
4-Bromophenyl-phenylether
Concen: 2.034 ng
RT: 10.657 min Scan# 1457
Delta R.T. -0.247 min
Lab File: BF133580.D
Acq: 05 Jun 2023 22:49

Tgt Ion:248 Resp: 7990
Ion Ratio Lower Upper
248 100
250 180.3 79.7 119.5#
141 450.1 66.6 100.0#

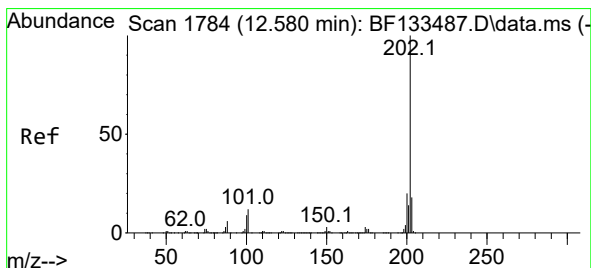
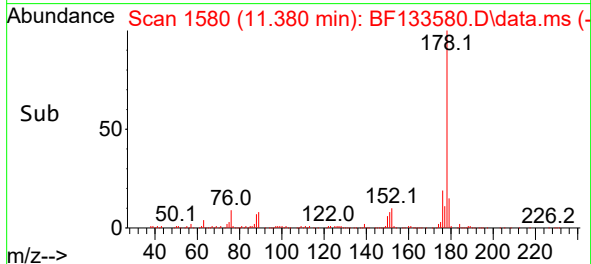
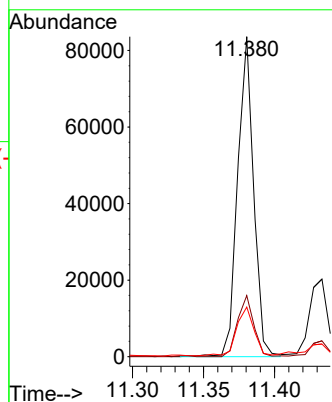
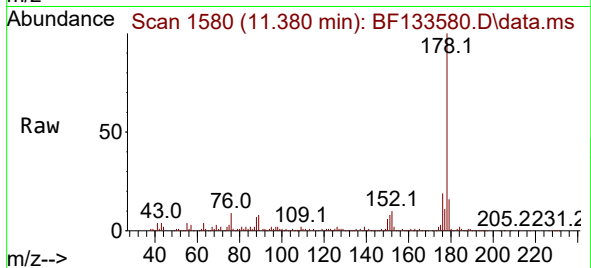




#71
Phenanthrene
Concen: 3.502 ng
RT: 11.380 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133580.D
Acq: 05 Jun 2023 22:49

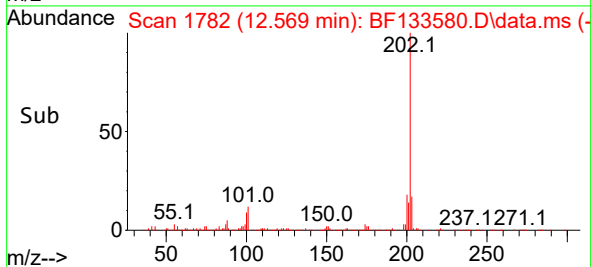
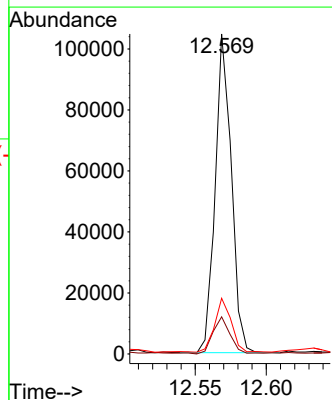
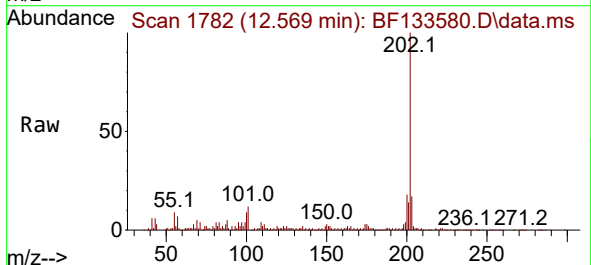
Instrument :
BNA_F
ClientSampleId :
SB24A

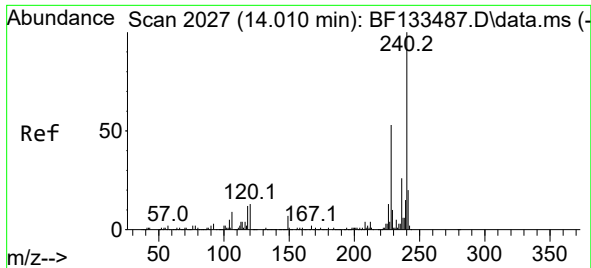
Tgt Ion:178 Resp: 65608
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 15.5 12.4 18.6



#75
Fluoranthene
Concen: 3.981 ng
RT: 12.569 min Scan# 1782
Delta R.T. -0.006 min
Lab File: BF133580.D
Acq: 05 Jun 2023 22:49

Tgt Ion:202 Resp: 82381
Ion Ratio Lower Upper
202 100
101 11.6 0.0 32.2
203 17.4 0.0 37.8

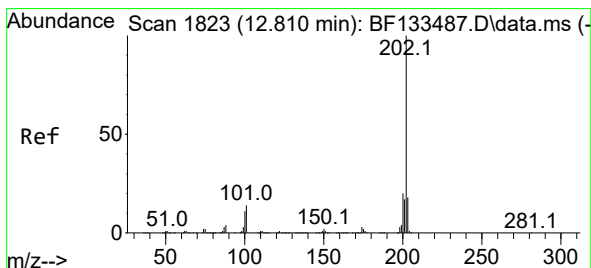
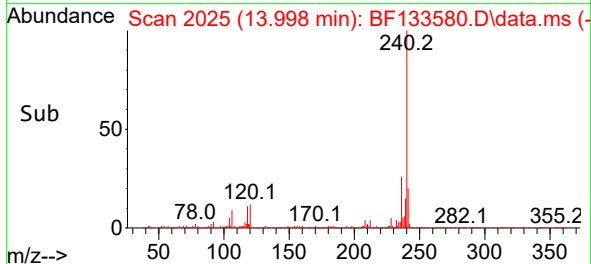
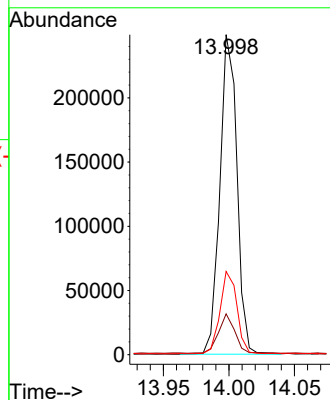
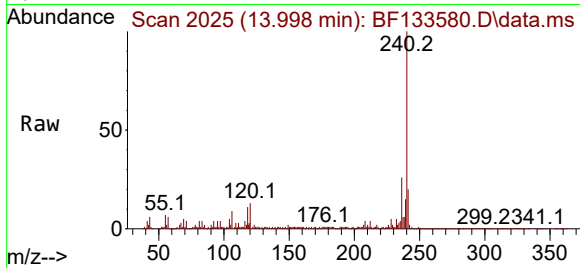




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF133580.D
Acq: 05 Jun 2023 22:49

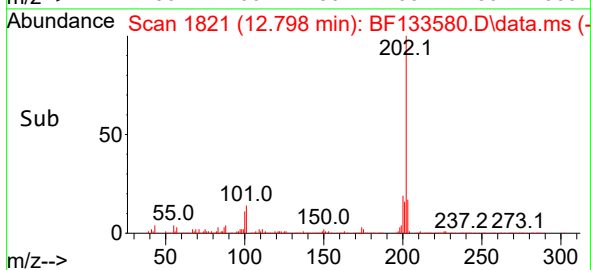
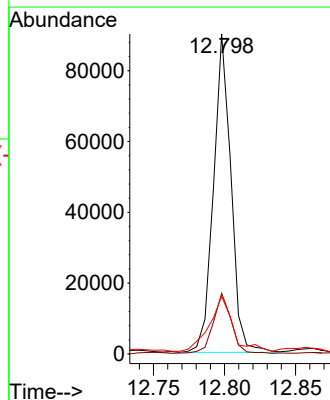
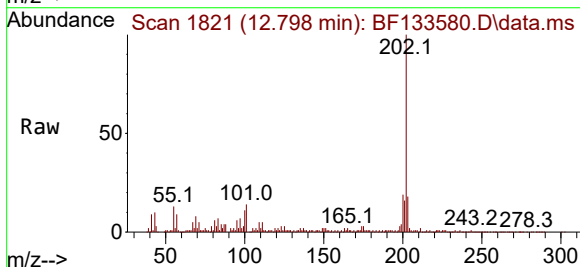
Instrument :
BNA_F
ClientSampleId :
SB24A

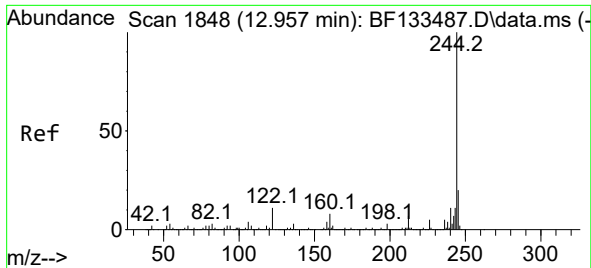
Tgt Ion:240 Resp: 224516
Ion Ratio Lower Upper
240 100
120 12.7 10.3 15.5
236 26.0 20.5 30.7



#78
Pyrene
Concen: 4.040 ng
RT: 12.798 min Scan# 1821
Delta R.T. -0.006 min
Lab File: BF133580.D
Acq: 05 Jun 2023 22:49

Tgt Ion:202 Resp: 77183
Ion Ratio Lower Upper
202 100
200 18.9 16.3 24.5
203 18.0 14.3 21.5

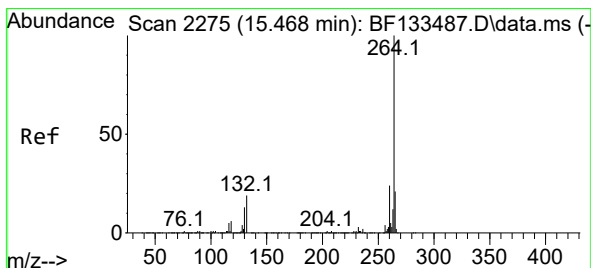
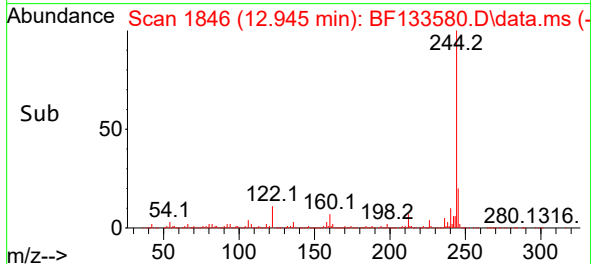
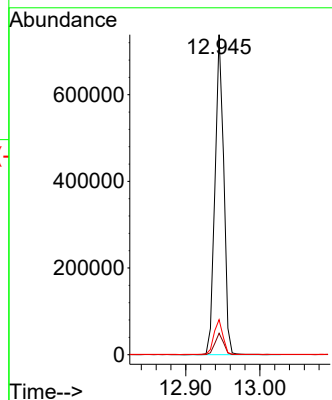
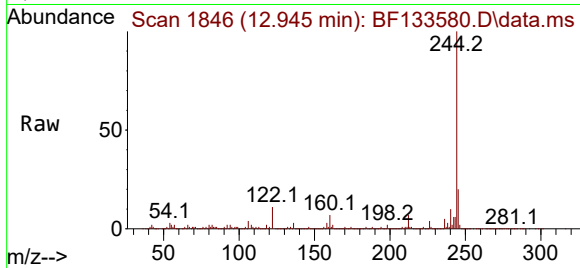




#79
 Terphenyl-d14
 Concen: 47.558 ng
 RT: 12.945 min Scan# 1846
 Delta R.T. 0.000 min
 Lab File: BF133580.D
 Acq: 05 Jun 2023 22:49

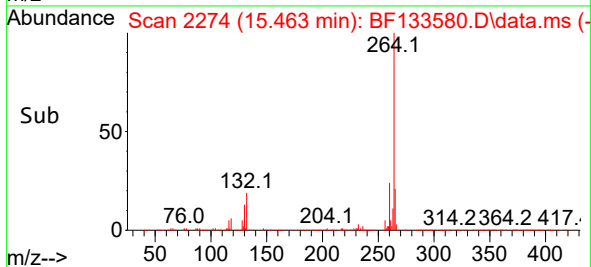
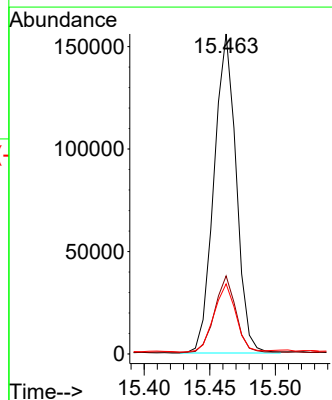
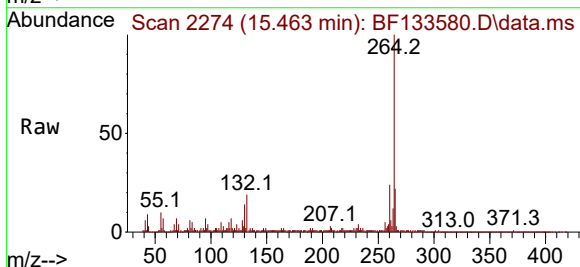
Instrument :
 BNA_F
 ClientSampleId :
 SB24A

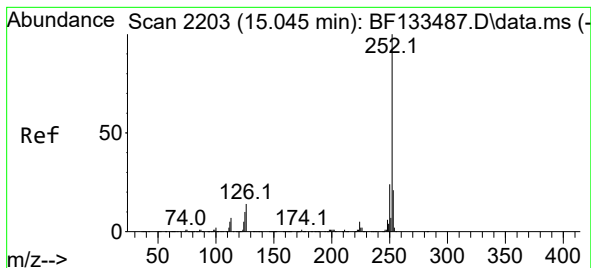
Tgt Ion:244 Resp: 600542
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.8 8.6
 122 11.0 8.5 12.7



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.463 min Scan# 2274
 Delta R.T. 0.006 min
 Lab File: BF133580.D
 Acq: 05 Jun 2023 22:49

Tgt Ion:264 Resp: 183177
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.0 28.4
 265 21.9 16.8 25.2





#88

Benzo(b)fluoranthene

Concen: 3.204 ng

RT: 15.033 min Scan# 2201

Delta R.T. 0.000 min

Lab File: BF133580.D

Acq: 05 Jun 2023 22:49

Instrument :

BNA_F

ClientSampleId :

SB24A

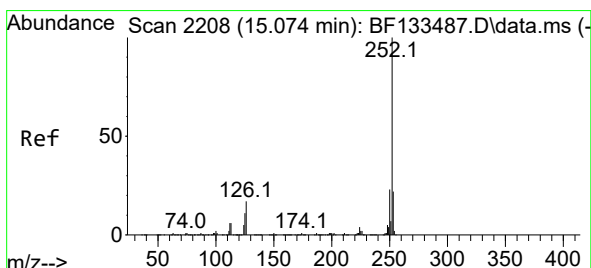
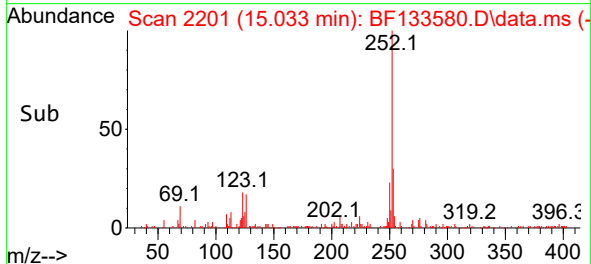
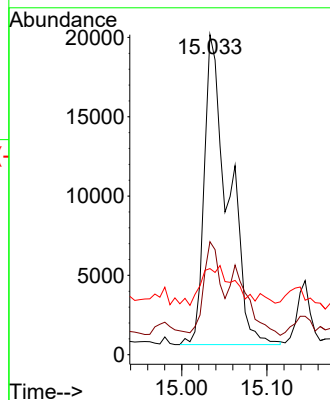
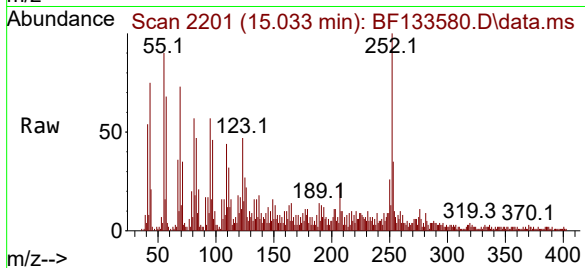
Tgt Ion:252 Resp: 38214

Ion Ratio Lower Upper

252 100

253 35.3 17.2 25.8#

125 26.9 8.1 12.1#



#89

Benzo(k)fluoranthene

Concen: 3.286 ng

RT: 15.033 min Scan# 2201

Delta R.T. -0.029 min

Lab File: BF133580.D

Acq: 05 Jun 2023 22:49

Tgt Ion:252 Resp: 38214

Ion Ratio Lower Upper

252 100

253 35.3 17.4 26.2#

125 26.9 8.3 12.5#

