

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042523\
 Data File : BF133055.D
 Acq On : 26 Apr 2023 05:40
 Operator : CG\JU
 Sample : 02270-07 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-25-0-2-20230411

Quant Time: Apr 26 06:55:48 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 25 18:24:07 2023
 Response via : Initial Calibration

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

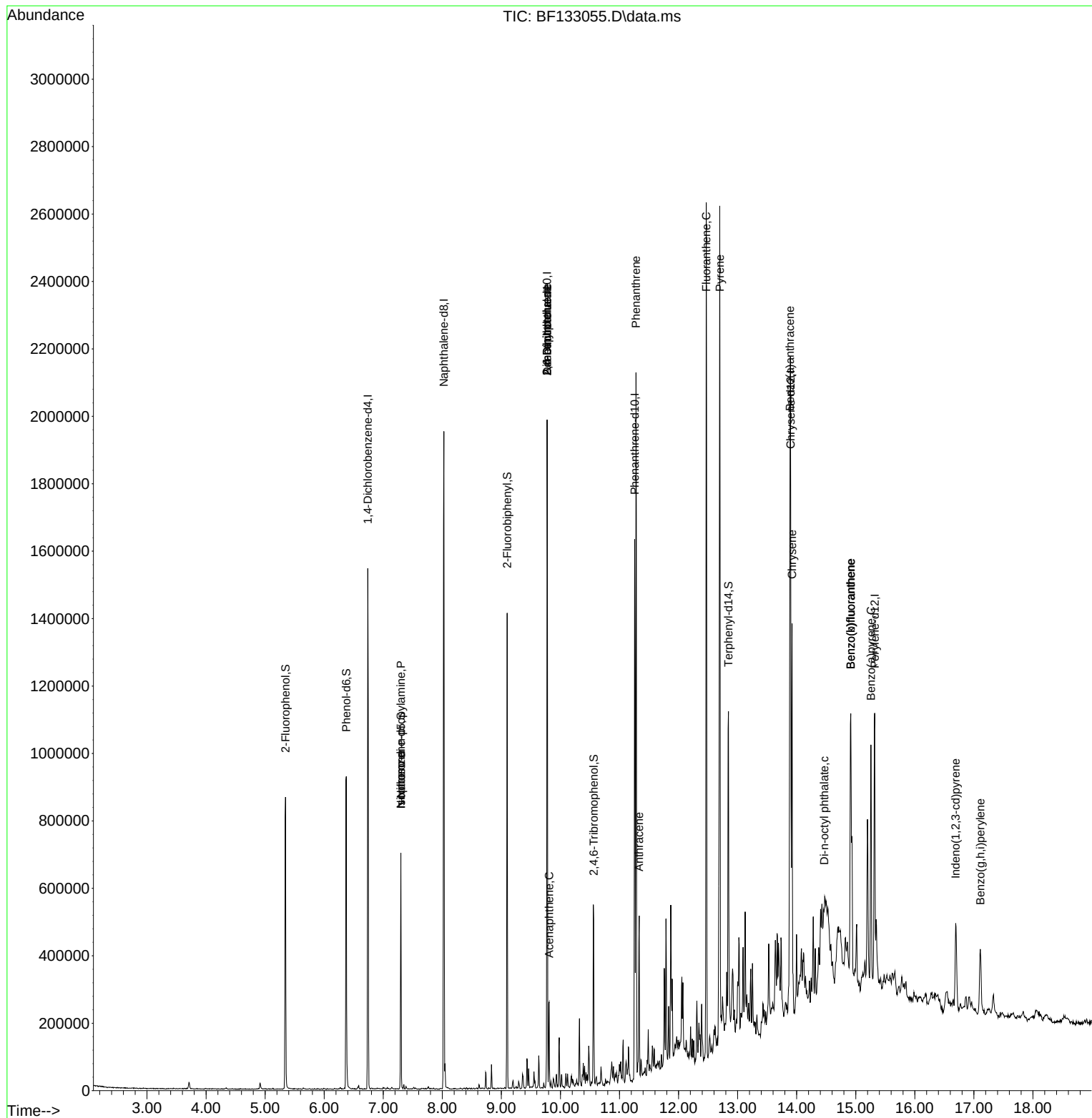
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	210348	20.000	ng	0.00
21) Naphthalene-d8	8.028	136	799847	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	366663	20.000	ng	0.00
64) Phenanthrene-d10	11.257	188	554148	20.000	ng	0.00
76) Chrysene-d12	13.898	240	414526	20.000	ng	0.00
86) Perylene-d12	15.321	264	341986	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.345	112	248462	17.843	ng	0.00
7) Phenol-d6	6.375	99	306482	17.733	ng	-0.01
23) Nitrobenzene-d5	7.298	82	172886	11.667	ng	-0.01
42) 2,4,6-Tribromophenol	10.563	330	51275	13.905	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	346956	15.831	ng	-0.01
79) Terphenyl-d14	12.845	244	294866	12.268	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.281	77	663	Below Cal	#	42
19) n-Nitroso-di-n-propyla...	7.298	70	22136	2.057	ng	# 79
25) Isophorone	7.298	82	171984	6.113	ng	# 62
50) Dimethylphthalate	9.775	163	72076	2.819	ng	# 1
51) 2,6-Dinitrotoluene	9.775	165	47782	8.304	ng	# 25
52) Acenaphthene	9.810	154	51983	2.283	ng	98
57) 2,4-Dinitrotoluene	9.775	165	47782	6.511	ng	# 23
71) Phenanthrene	11.280	178	709625	23.826	ng	99
72) Anthracene	11.333	178	176983	5.806	ng	98
75) Fluoranthene	12.469	202	940955	31.479	ng	99
78) Pyrene	12.698	202	944826	26.589	ng	99
81) Benzo(a)anthracene	13.886	228	452295	15.867	ng	97
83) Chrysene	13.921	228	428294	15.029	ng	97
85) Di-n-octyl phthalate	14.468	149	57709	2.241	ng	# 80
87) Indeno(1,2,3-cd)pyrene	16.692	276	152931	7.862	ng	95
88) Benzo(b)fluoranthene	14.915	252	570022	26.200	ng	97
89) Benzo(k)fluoranthene	14.915	252	570022	26.430	ng	97
90) Benzo(a)pyrene	15.257	252	298116	15.054	ng	97
92) Benzo(g,h,i)perylene	17.109	276	146194	9.127	ng	99

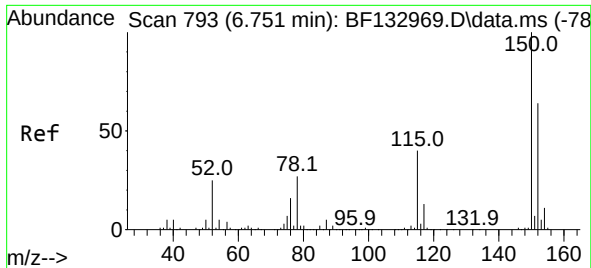
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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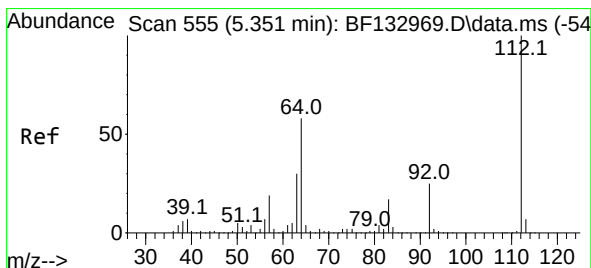
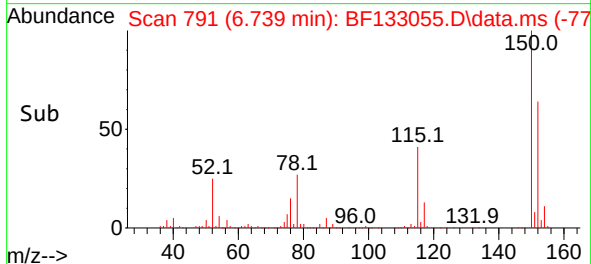
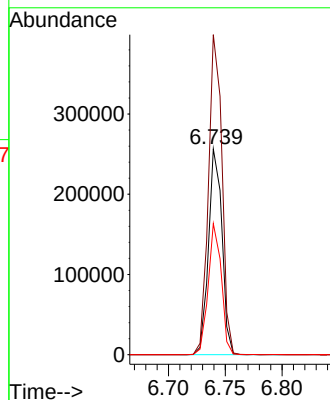
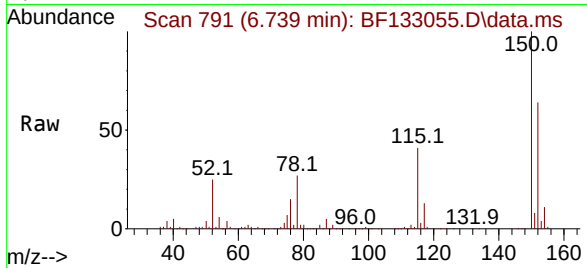




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 793
Delta R.T. -0.006 min
Lab File: BF133055.D
Acq: 26 Apr 2023 05:40

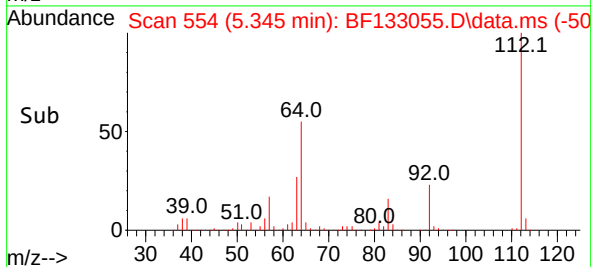
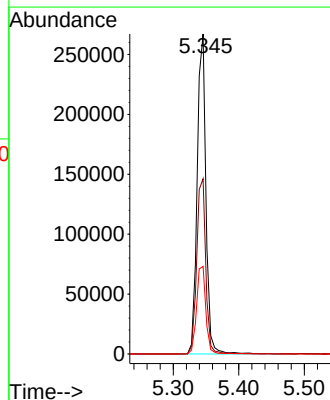
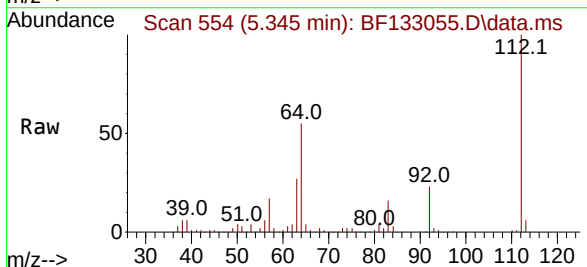
Instrument :
BNA_F
ClientSampleId :
SB-25-0-2-20230411

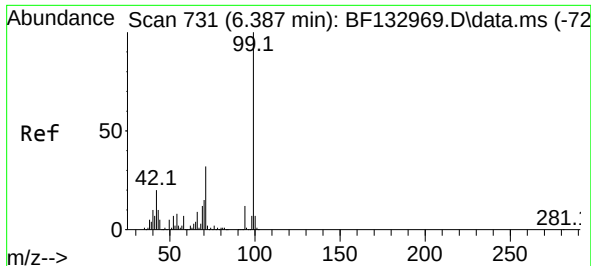
Tgt Ion:152 Resp: 210348
Ion Ratio Lower Upper
152 100
150 155.6 124.8 187.2
115 63.7 49.9 74.9



#5
2-Fluorophenol
Concen: 17.843 ng
RT: 5.345 min Scan# 554
Delta R.T. -0.006 min
Lab File: BF133055.D
Acq: 26 Apr 2023 05:40

Tgt Ion:112 Resp: 248462
Ion Ratio Lower Upper
112 100
64 54.7 46.8 70.2
63 27.3 23.8 35.8

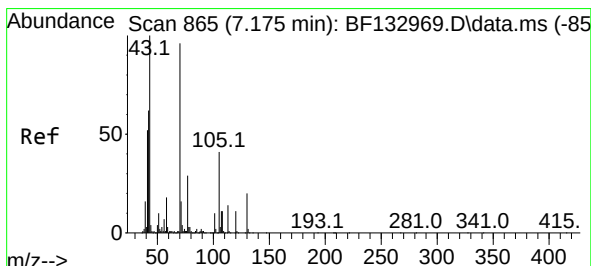
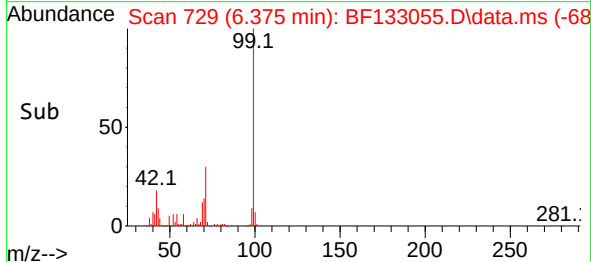
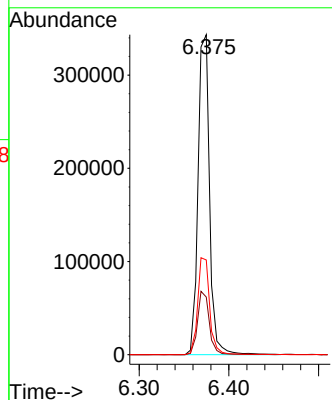
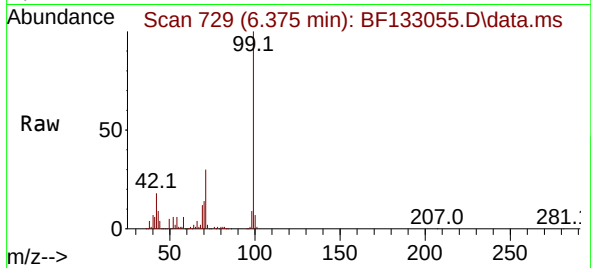




#7
Phenol-d6
Concen: 17.733 ng
RT: 6.375 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133055.D
Acq: 26 Apr 2023 05:40

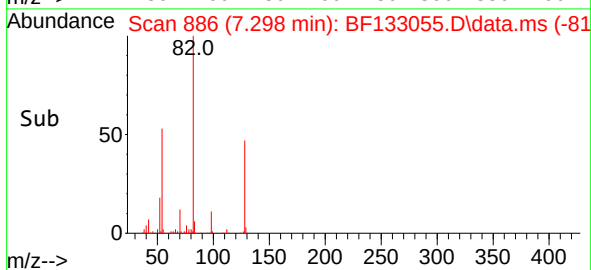
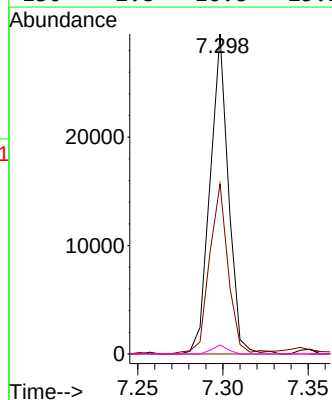
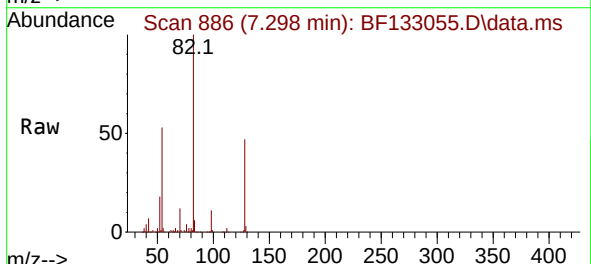
Instrument :
BNA_F
ClientSampleId :
SB-25-0-2-20230411

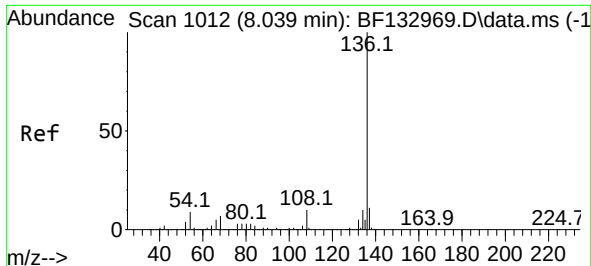
Tgt Ion: 99 Resp: 306482
Ion Ratio Lower Upper
99 100
42 18.0 16.3 24.5
71 29.6 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 2.057 ng
RT: 7.298 min Scan# 886
Delta R.T. 0.135 min
Lab File: BF133055.D
Acq: 26 Apr 2023 05:40

Tgt Ion: 70 Resp: 22136
Ion Ratio Lower Upper
70 100
42 53.1 51.8 77.6
101 0.0 8.0 12.0#
130 2.8 16.8 25.2#



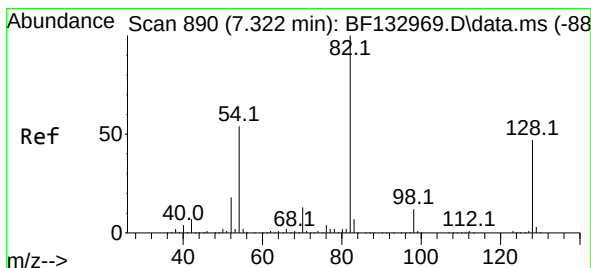
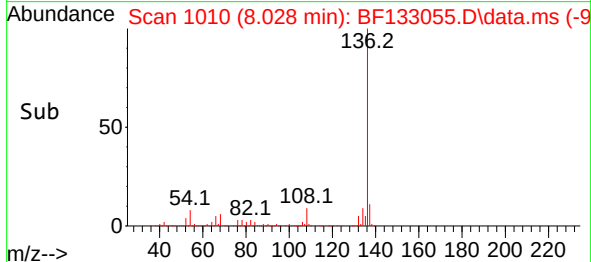
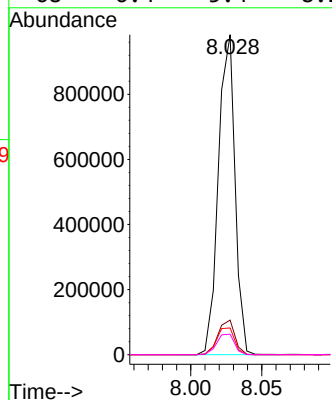
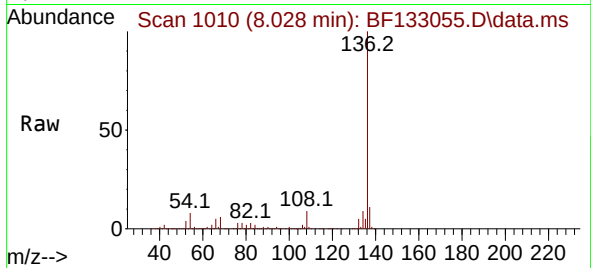


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.028 min Scan# 1012
Delta R.T. 0.000 min
Lab File: BF133055.D
Acq: 26 Apr 2023 05:40

Instrument :
BNA_F
ClientSampleId :
SB-25-0-2-20230411

Tgt Ion:136 Resp: 799847

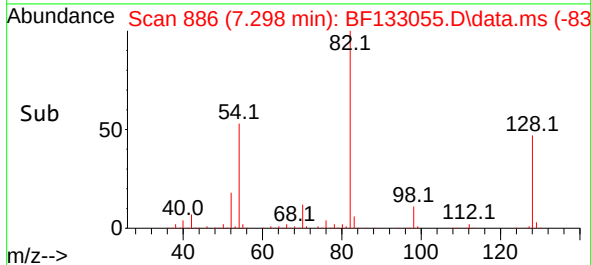
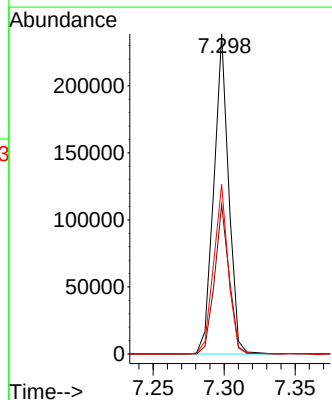
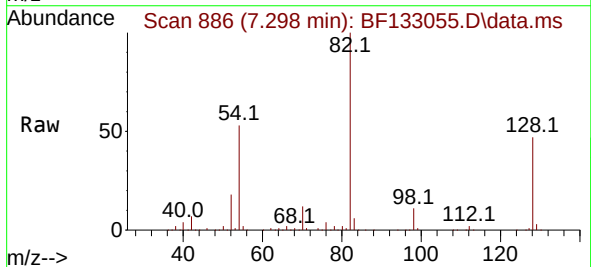
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.3	7.0	10.4
68	6.4	5.4	8.2

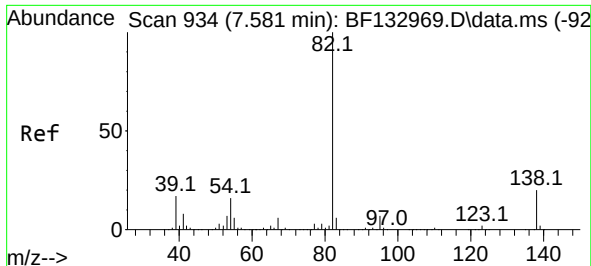


#23
Nitrobenzene-d5
Concen: 11.667 ng
RT: 7.298 min Scan# 886
Delta R.T. -0.012 min
Lab File: BF133055.D
Acq: 26 Apr 2023 05:40

Tgt Ion: 82 Resp: 172886

Ion	Ratio	Lower	Upper
82	100		
128	46.6	37.7	56.5
54	53.0	43.0	64.4

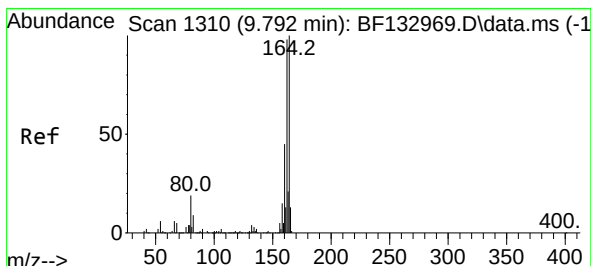
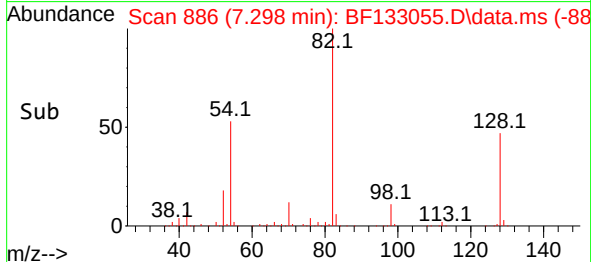
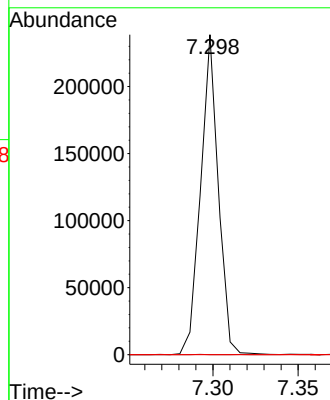
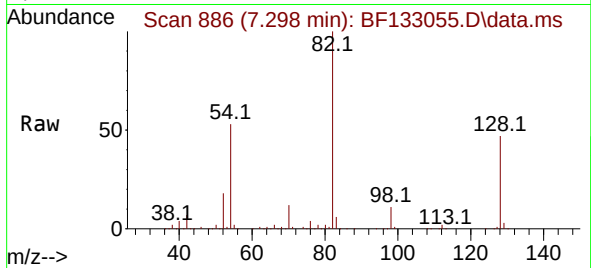




#25
Isophorone
Concen: 6.113 ng
RT: 7.298 min Scan# 81
Delta R.T. -0.270 min
Lab File: BF133055.D
Acq: 26 Apr 2023 05:40

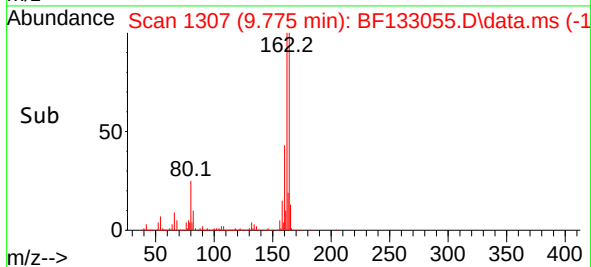
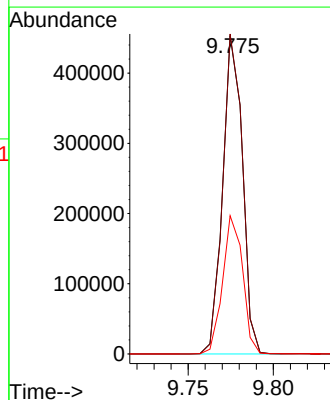
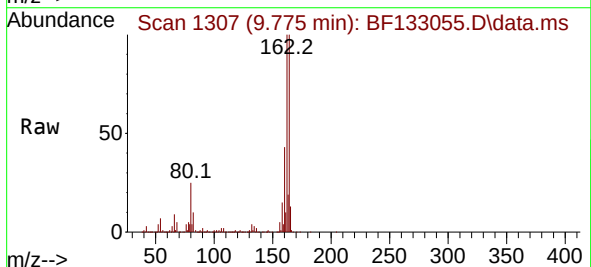
Instrument :
BNA_F
ClientSampleId :
SB-25-0-2-20230411

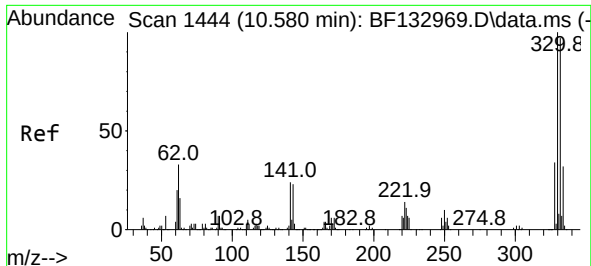
Tgt Ion: 82 Resp: 171984
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.006 min
Lab File: BF133055.D
Acq: 26 Apr 2023 05:40

Tgt Ion:164 Resp: 366663
Ion Ratio Lower Upper
164 100
162 100.5 78.7 118.1
160 43.4 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 13.905 ng

RT: 10.563 min Scan# 1444

Delta R.T. -0.006 min

Lab File: BF133055.D

Acq: 26 Apr 2023 05:40

Instrument :

BNA_F

ClientSampleId :

SB-25-0-2-20230411

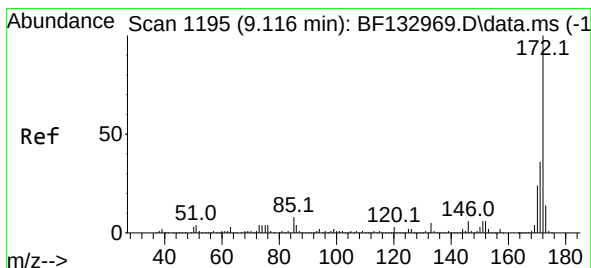
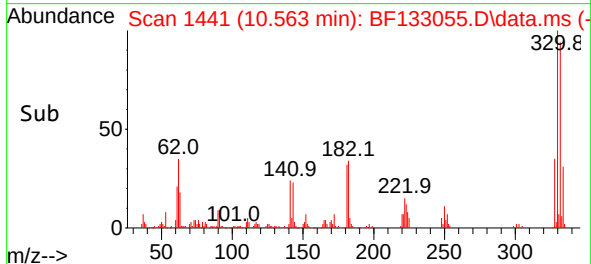
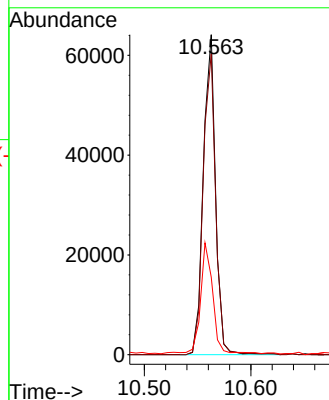
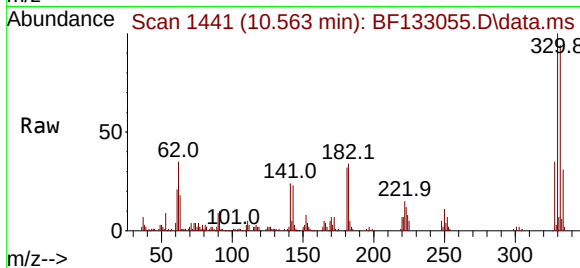
Tgt Ion:330 Resp: 51275

Ion Ratio Lower Upper

330 100

332 96.0 77.1 115.7

141 34.4 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 15.831 ng

RT: 9.098 min Scan# 1192

Delta R.T. -0.012 min

Lab File: BF133055.D

Acq: 26 Apr 2023 05:40

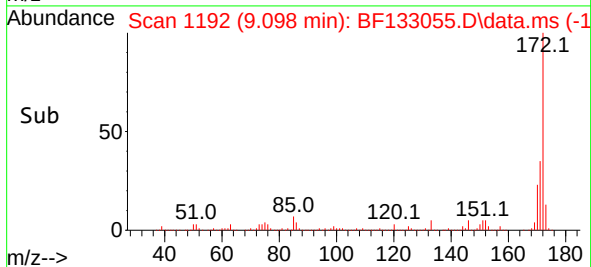
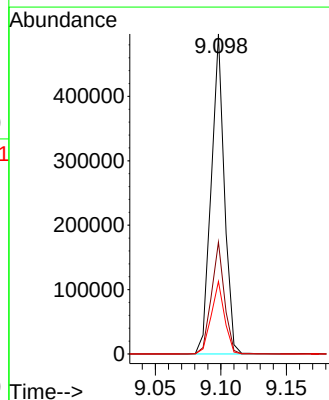
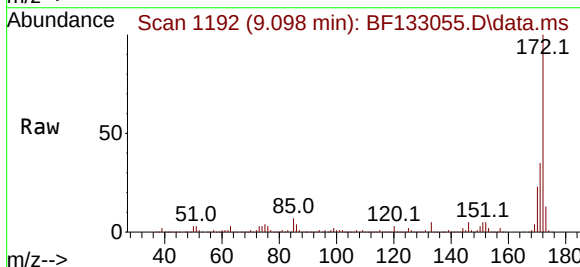
Tgt Ion:172 Resp: 346956

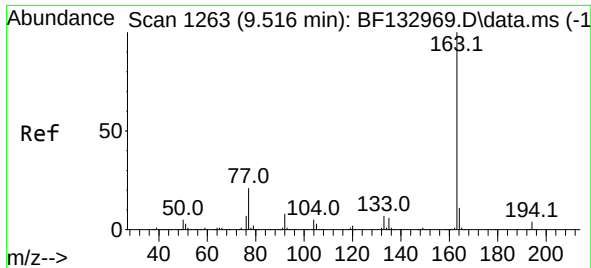
Ion Ratio Lower Upper

172 100

171 35.0 28.8 43.2

170 22.7 19.4 29.2

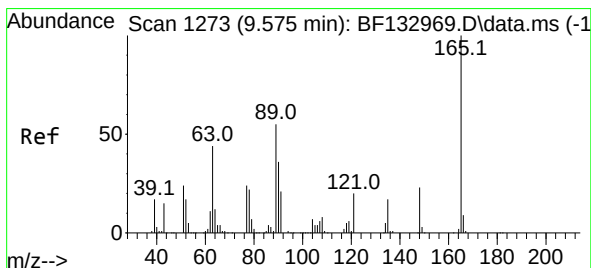
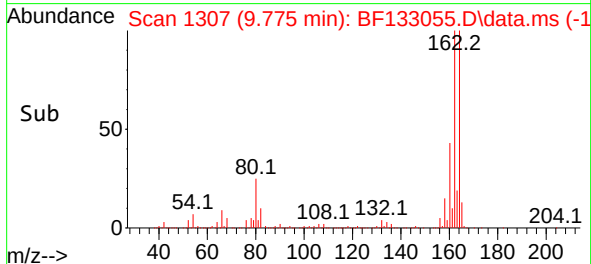
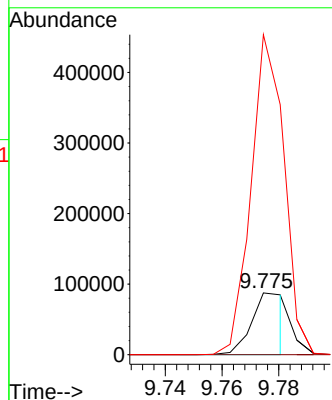
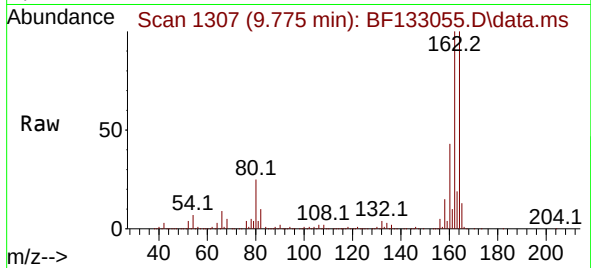




#50
Dimethylphthalate
Concen: 2.819 ng
RT: 9.775 min Scan# 1307
Delta R.T. 0.265 min
Lab File: BF133055.D
Acq: 26 Apr 2023 05:40

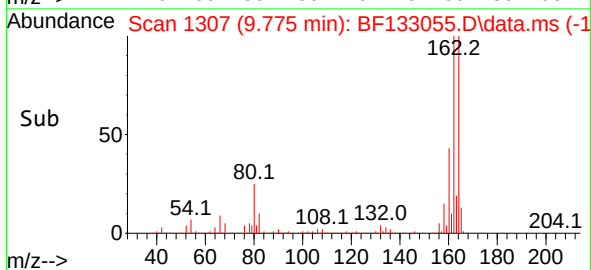
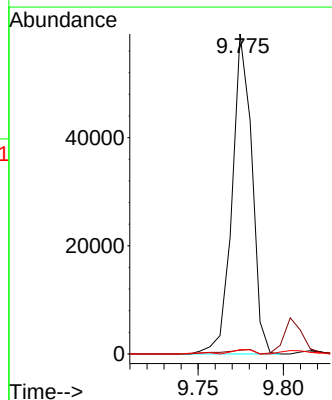
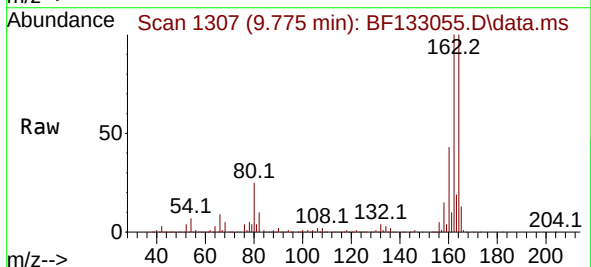
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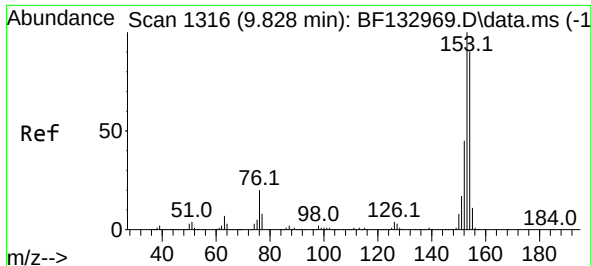
Tgt Ion:163 Resp: 72076
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 517.7 8.5 12.7#



#51
2,6-Dinitrotoluene
Concen: 8.304 ng
RT: 9.775 min Scan# 1307
Delta R.T. 0.206 min
Lab File: BF133055.D
Acq: 26 Apr 2023 05:40

Tgt Ion:165 Resp: 47782
Ion Ratio Lower Upper
165 100
63 1.1 45.9 68.9#
89 1.4 44.0 66.0#

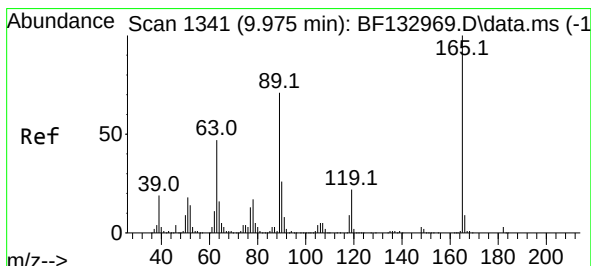
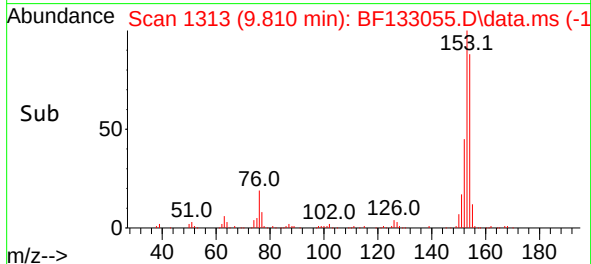
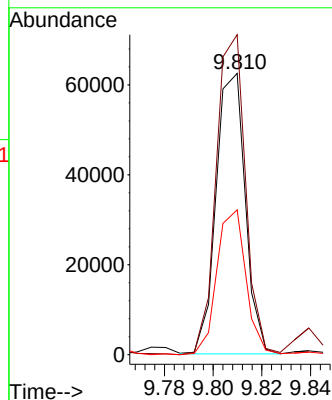
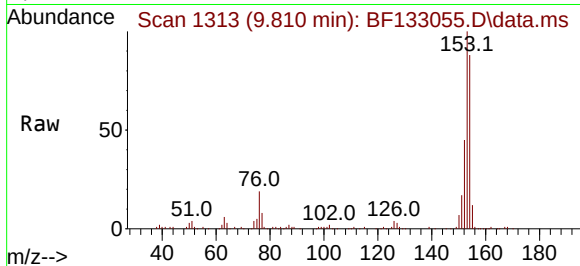




#52
Acenaphthene
Concen: 2.283 ng
RT: 9.810 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133055.D
Acq: 26 Apr 2023 05:40

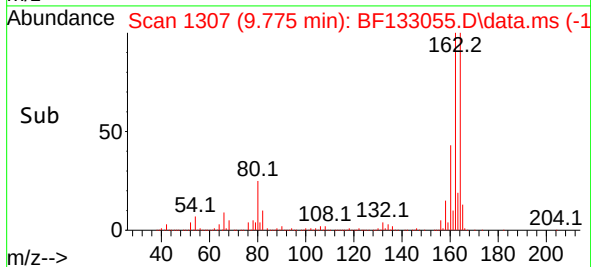
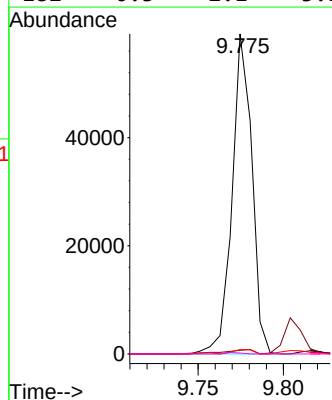
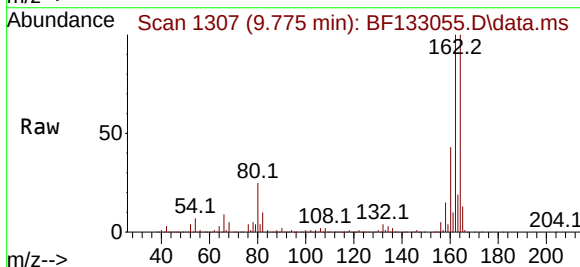
Instrument :
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ClientSampleId :
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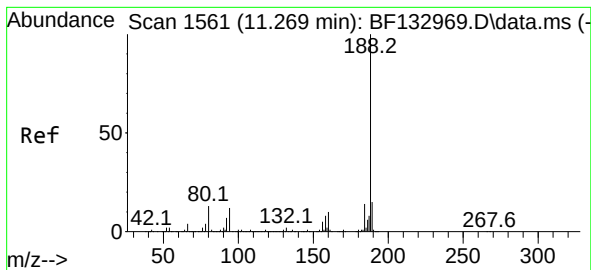
Tgt Ion:154 Resp: 51983
Ion Ratio Lower Upper
154 100
153 113.8 89.0 133.6
152 51.5 40.4 60.6



#57
2,4-Dinitrotoluene
Concen: 6.511 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.194 min
Lab File: BF133055.D
Acq: 26 Apr 2023 05:40

Tgt Ion:165 Resp: 47782
Ion Ratio Lower Upper
165 100
63 1.1 37.7 56.5#
89 1.4 57.0 85.4#
182 0.3 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.257 min Scan# 1559

Delta R.T. -0.006 min

Lab File: BF133055.D

Acq: 26 Apr 2023 05:40

Instrument :

BNA_F

ClientSampleId :

SB-25-0-2-20230411

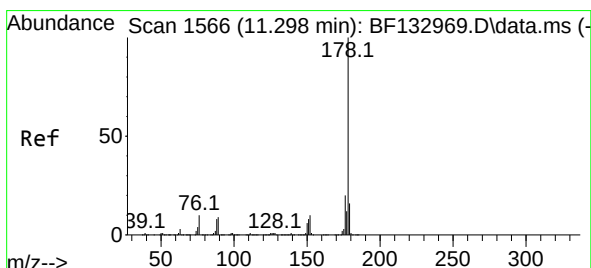
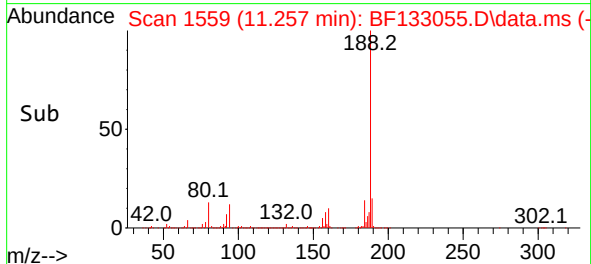
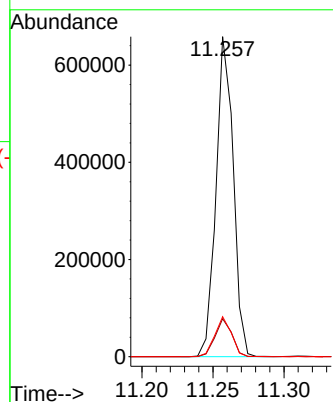
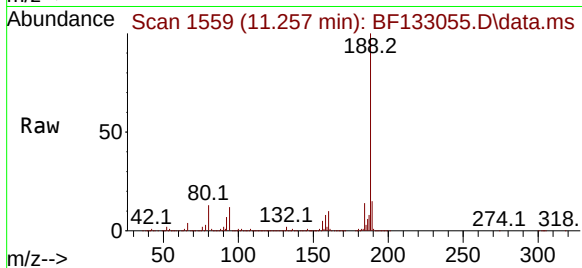
Tgt Ion:188 Resp: 554148

Ion Ratio Lower Upper

188 100

94 11.9 9.7 14.5

80 12.5 10.4 15.6



#71

Phenanthrene

Concen: 23.826 ng

RT: 11.280 min Scan# 1563

Delta R.T. -0.006 min

Lab File: BF133055.D

Acq: 26 Apr 2023 05:40

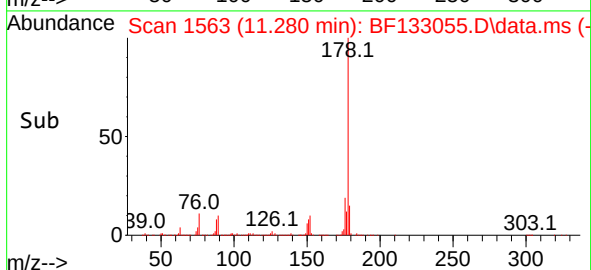
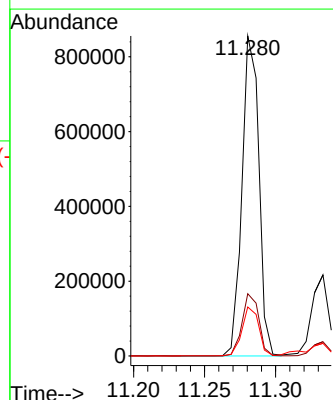
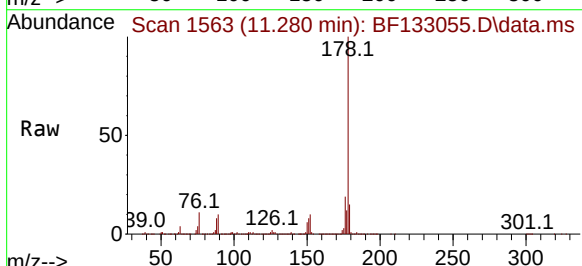
Tgt Ion:178 Resp: 709625

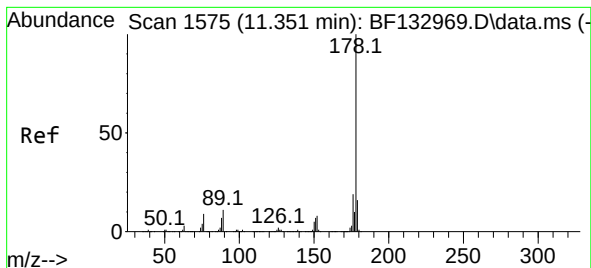
Ion Ratio Lower Upper

178 100

176 19.5 15.9 23.9

179 15.3 12.5 18.7





#72

Anthracene

Concen: 5.806 ng

RT: 11.333 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133055.D

Acq: 26 Apr 2023 05:40

Instrument :

BNA_F

ClientSampleId :

SB-25-0-2-20230411

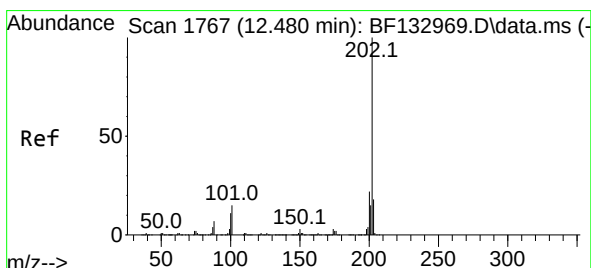
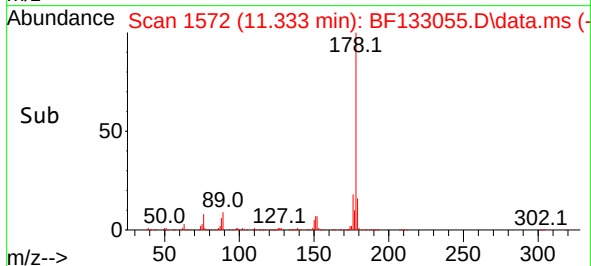
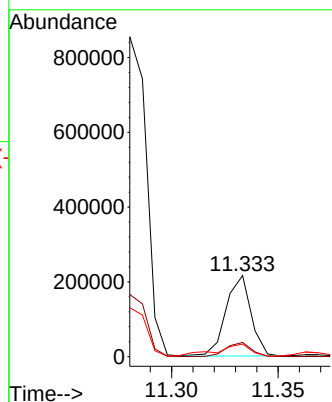
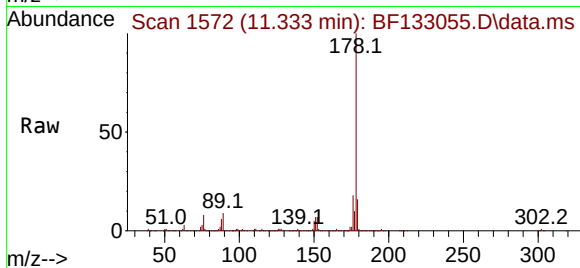
Tgt Ion:178 Resp: 176983

Ion Ratio Lower Upper

178 100

176 17.6 15.4 23.0

179 15.7 12.4 18.6



#75

Fluoranthene

Concen: 31.479 ng

RT: 12.469 min Scan# 1765

Delta R.T. -0.006 min

Lab File: BF133055.D

Acq: 26 Apr 2023 05:40

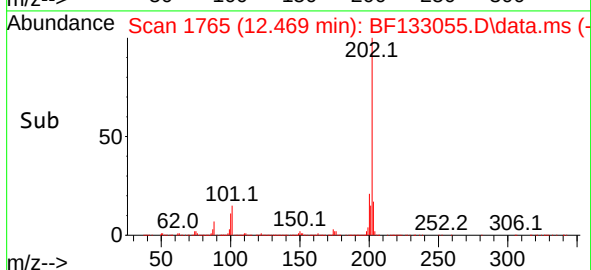
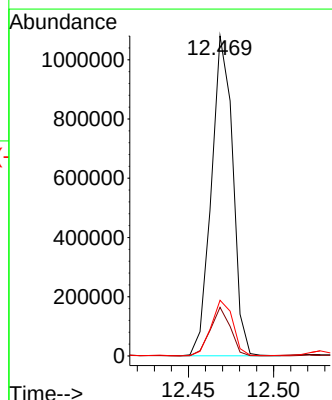
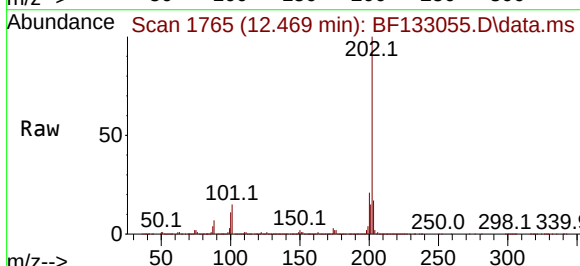
Tgt Ion:202 Resp: 940955

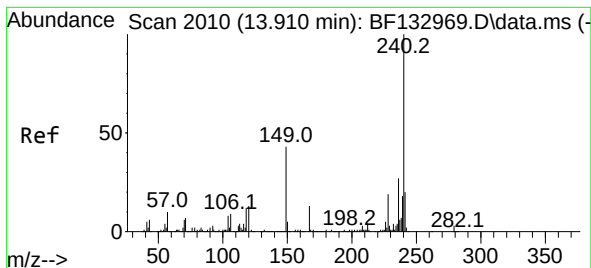
Ion Ratio Lower Upper

202 100

101 15.2 0.0 35.3

203 17.4 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.898 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF133055.D

Acq: 26 Apr 2023 05:40

Instrument :

BNA_F

ClientSampleId :

SB-25-0-2-20230411

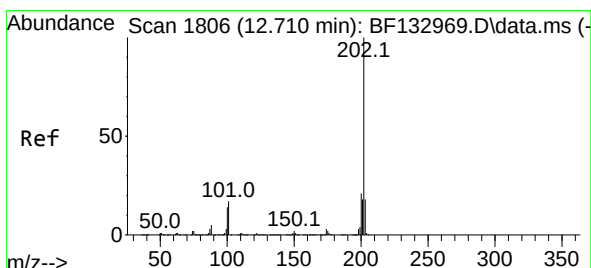
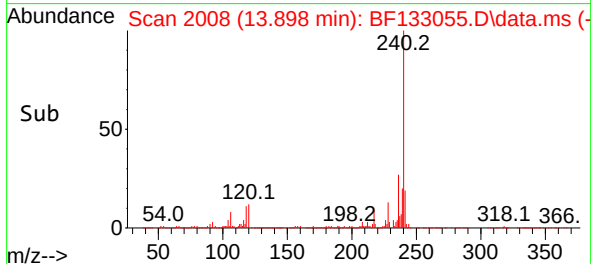
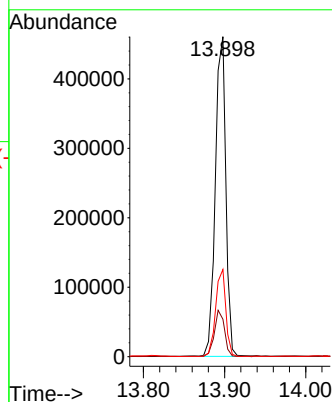
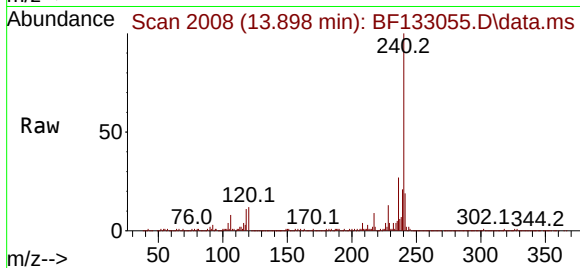
Tgt Ion:240 Resp: 414526

Ion Ratio Lower Upper

240 100

120 11.7 10.5 15.7

236 27.3 21.5 32.3



#78

Pyrene

Concen: 26.589 ng

RT: 12.698 min Scan# 1804

Delta R.T. 0.000 min

Lab File: BF133055.D

Acq: 26 Apr 2023 05:40

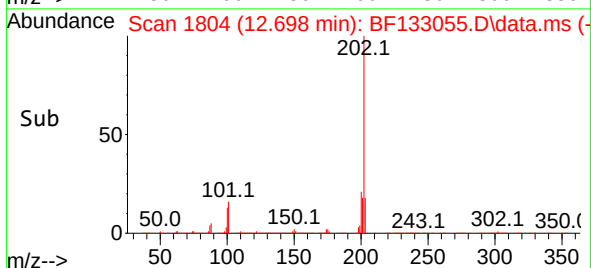
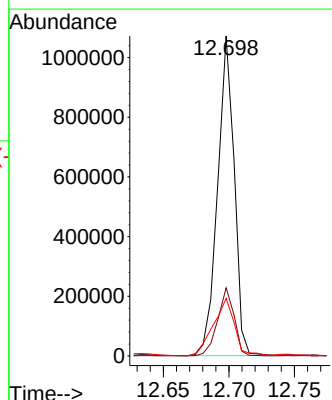
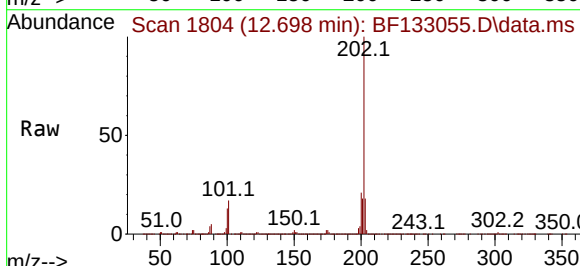
Tgt Ion:202 Resp: 944826

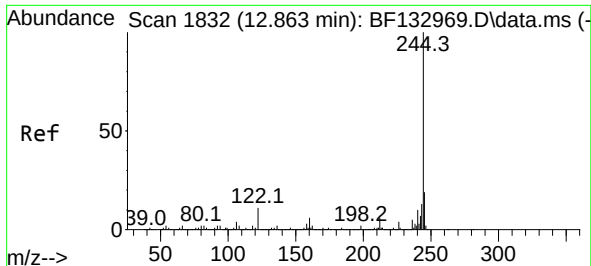
Ion Ratio Lower Upper

202 100

200 21.3 17.1 25.7

203 18.0 14.1 21.1

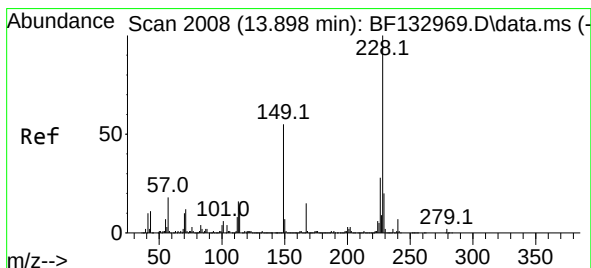
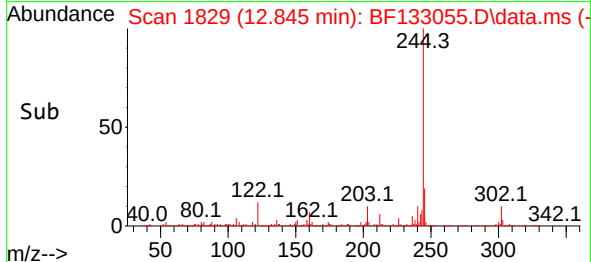
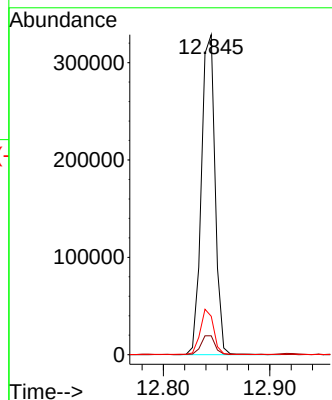
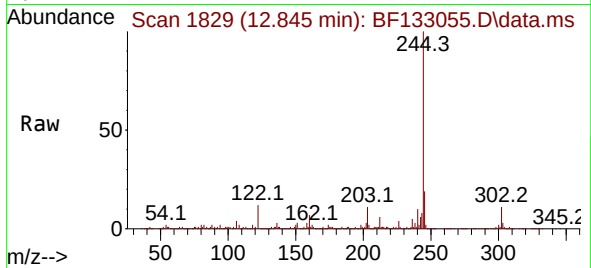




#79
 Terphenyl-d14
 Concen: 12.268 ng
 RT: 12.845 min Scan# 1829
 Delta R.T. -0.006 min
 Lab File: BF133055.D
 Acq: 26 Apr 2023 05:40

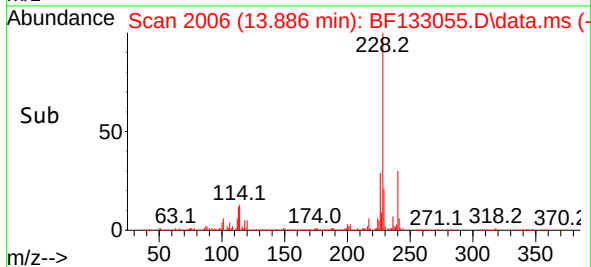
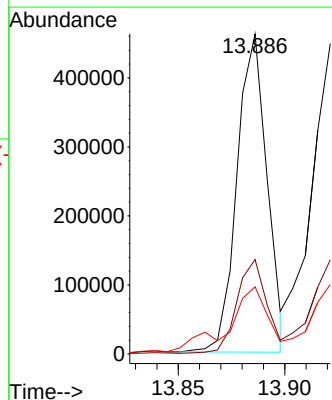
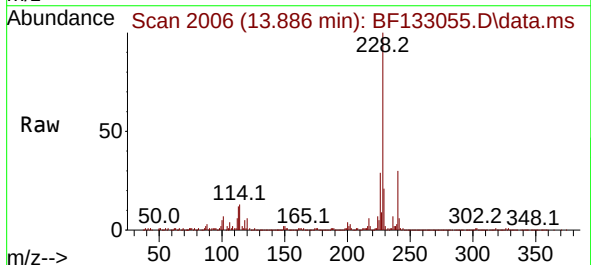
Instrument :
 BNA_F
 ClientSampleId :
 SB-25-0-2-20230411

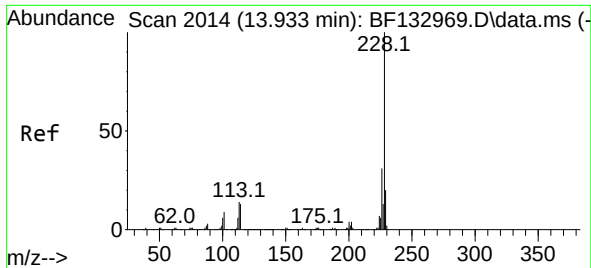
Tgt Ion:244 Resp: 294866
 Ion Ratio Lower Upper
 244 100
 212 5.9 5.1 7.7
 122 12.0 8.6 13.0



#81
 Benzo(a)anthracene
 Concen: 15.867 ng
 RT: 13.886 min Scan# 2006
 Delta R.T. 0.000 min
 Lab File: BF133055.D
 Acq: 26 Apr 2023 05:40

Tgt Ion:228 Resp: 452295
 Ion Ratio Lower Upper
 228 100
 226 29.5 22.2 33.4
 229 21.0 16.0 24.0





#83

Chrysene

Concen: 15.029 ng

RT: 13.921 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF133055.D

Acq: 26 Apr 2023 05:40

Instrument :

BNA_F

ClientSampleId :

SB-25-0-2-20230411

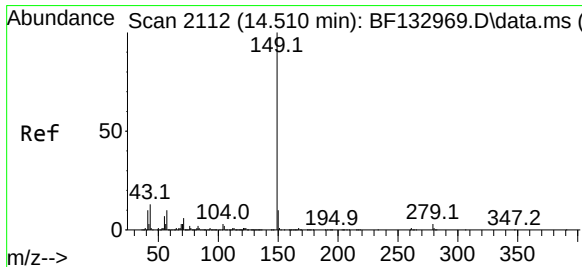
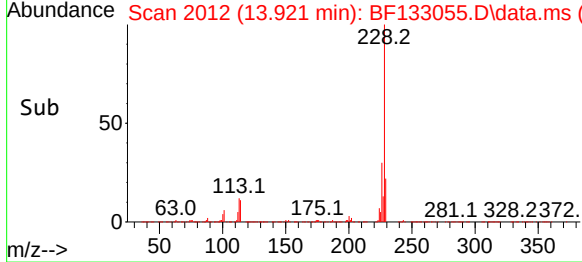
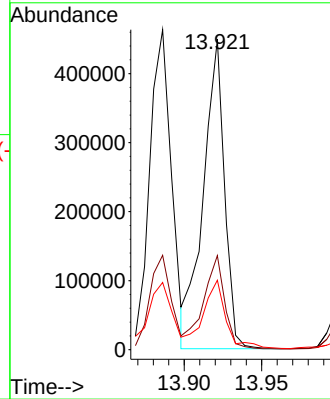
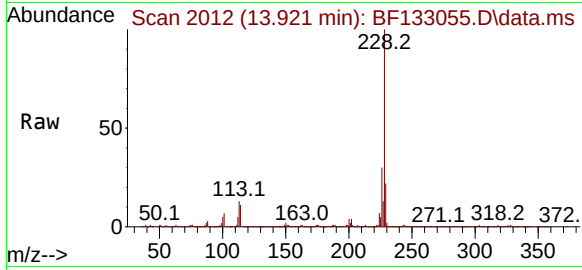
Tgt Ion:228 Resp: 428294

Ion Ratio Lower Upper

228 100

226 30.3 24.7 37.1

229 22.4 16.1 24.1



#85

Di-n-octyl phthalate

Concen: 2.241 ng

RT: 14.468 min Scan# 2105

Delta R.T. -0.029 min

Lab File: BF133055.D

Acq: 26 Apr 2023 05:40

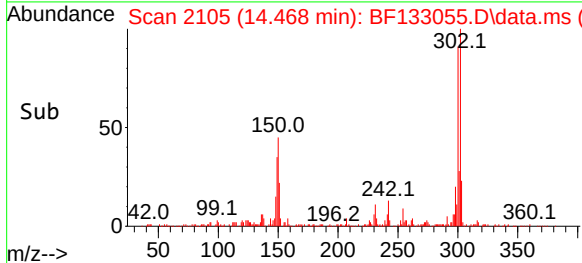
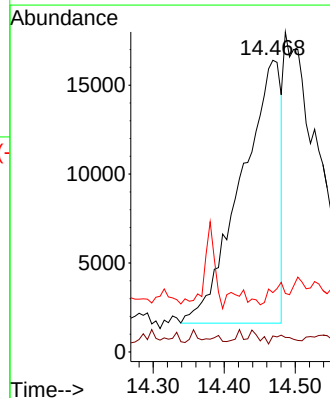
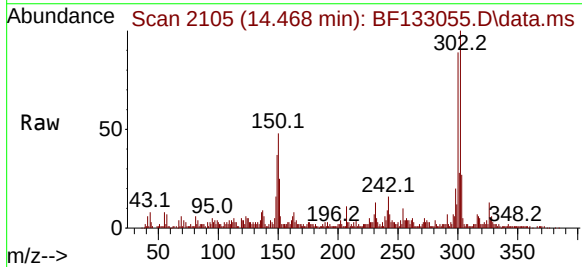
Tgt Ion:149 Resp: 57709

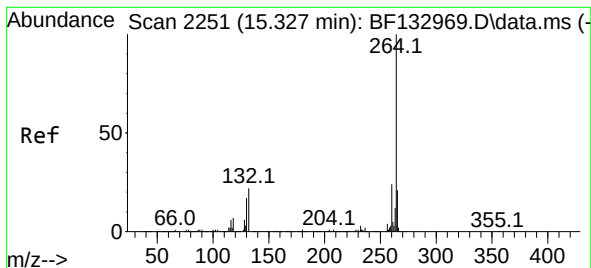
Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 3.1 9.5 14.3#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.321 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF133055.D

Acq: 26 Apr 2023 05:40

Instrument :

BNA_F

ClientSampleId :

SB-25-0-2-20230411

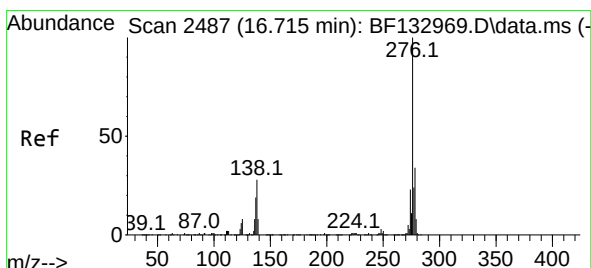
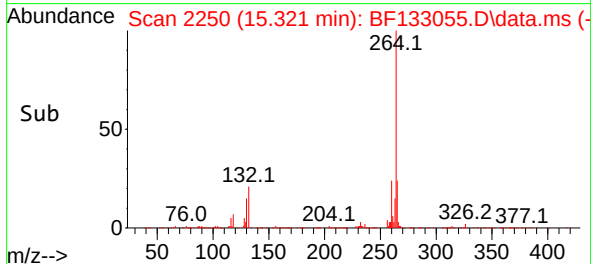
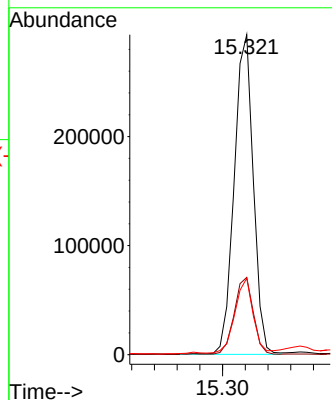
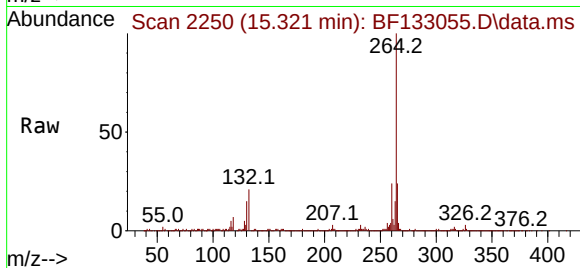
Tgt Ion:264 Resp: 341986

Ion Ratio Lower Upper

264 100

260 24.2 18.8 28.2

265 23.9 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.862 ng

RT: 16.692 min Scan# 2483

Delta R.T. -0.012 min

Lab File: BF133055.D

Acq: 26 Apr 2023 05:40

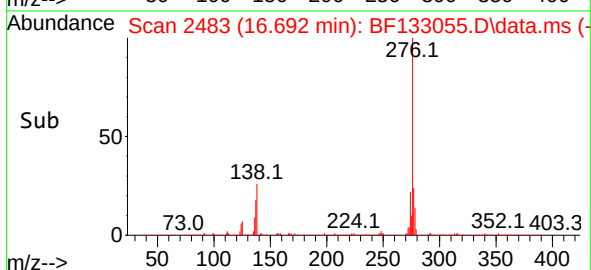
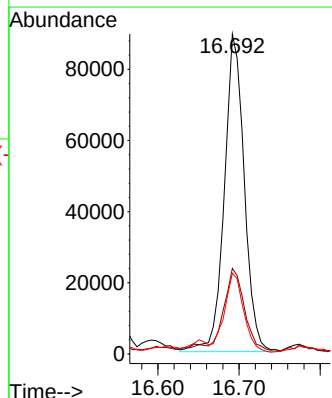
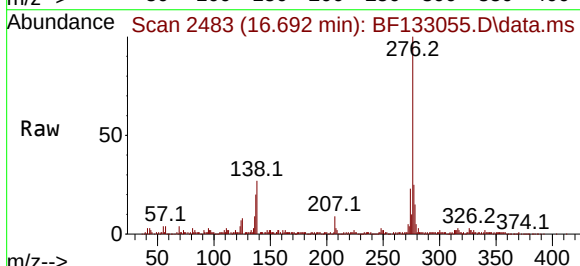
Tgt Ion:276 Resp: 152931

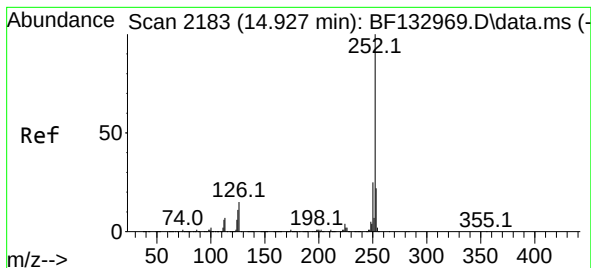
Ion Ratio Lower Upper

276 100

138 28.5 25.5 38.3

277 24.2 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 26.200 ng

RT: 14.915 min Scan# 2181

Delta R.T. 0.000 min

Lab File: BF133055.D

Acq: 26 Apr 2023 05:40

Instrument :

BNA_F

ClientSampleId :

SB-25-0-2-20230411

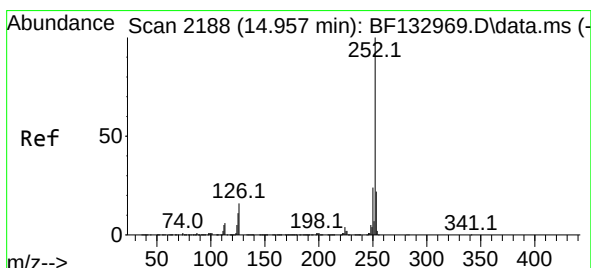
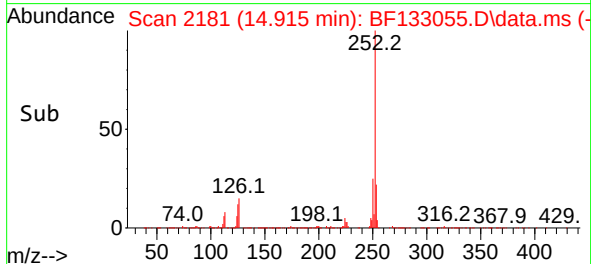
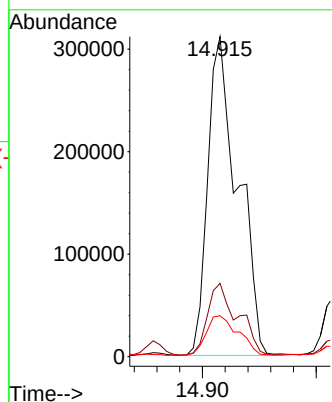
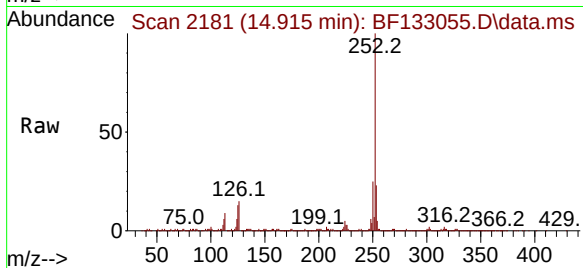
Tgt Ion:252 Resp: 570022

Ion Ratio Lower Upper

252 100

253 22.9 17.6 26.4

125 12.8 8.9 13.3



#89

Benzo(k)fluoranthene

Concen: 26.430 ng

RT: 14.915 min Scan# 2181

Delta R.T. -0.023 min

Lab File: BF133055.D

Acq: 26 Apr 2023 05:40

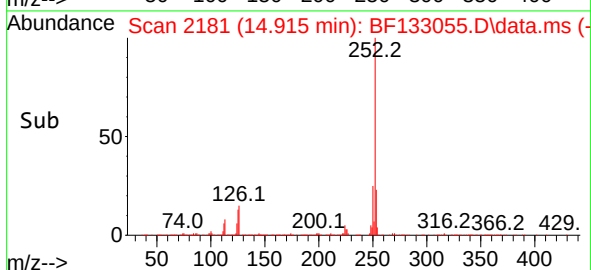
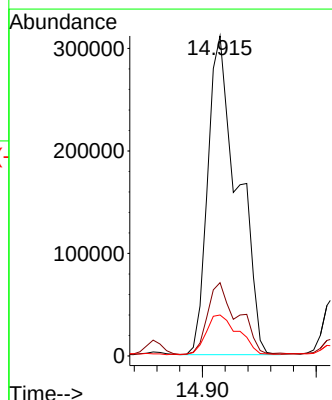
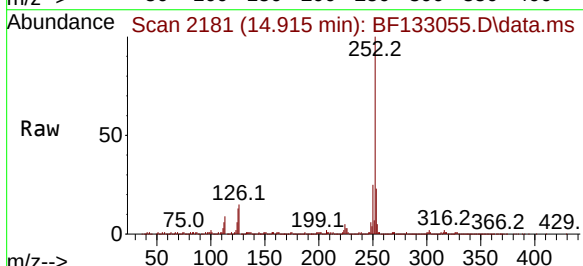
Tgt Ion:252 Resp: 570022

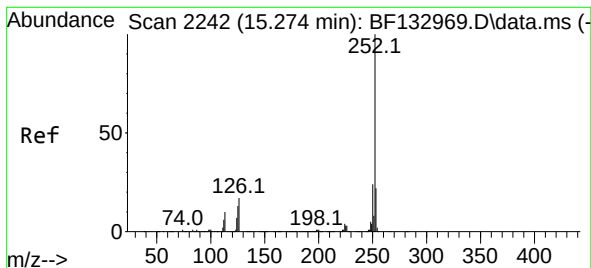
Ion Ratio Lower Upper

252 100

253 22.9 17.7 26.5

125 12.8 9.0 13.4





#90

Benzo(a)pyrene

Concen: 15.054 ng

RT: 15.257 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133055.D

Acq: 26 Apr 2023 05:40

Instrument :

BNA_F

ClientSampleId :

SB-25-0-2-20230411

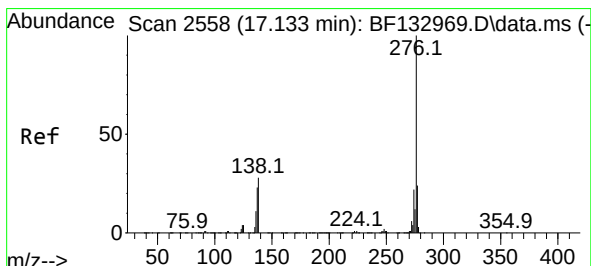
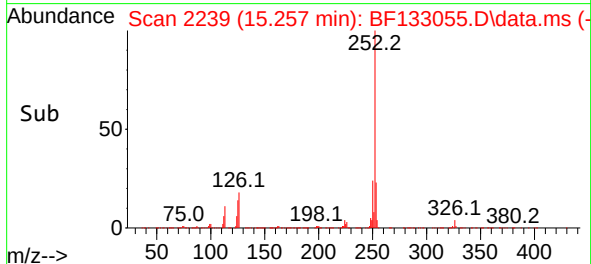
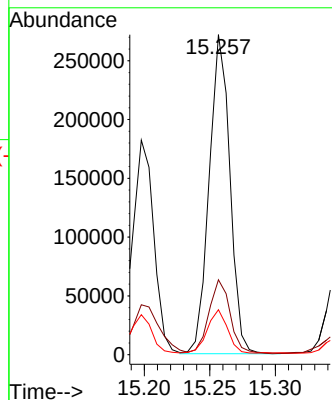
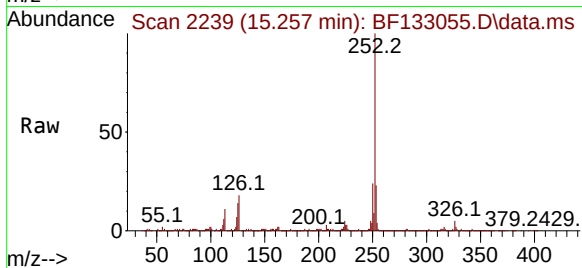
Tgt Ion:252 Resp: 298116

Ion Ratio Lower Upper

252 100

253 23.4 17.7 26.5

125 14.1 10.5 15.7



#92

Benzo(g,h,i)perylene

Concen: 9.127 ng

RT: 17.109 min Scan# 2554

Delta R.T. -0.012 min

Lab File: BF133055.D

Acq: 26 Apr 2023 05:40

Tgt Ion:276 Resp: 146194

Ion Ratio Lower Upper

276 100

277 24.7 19.4 29.0

138 27.8 22.7 34.1

