

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052623\
 Data File : BF133514.D
 Acq On : 26 May 2023 23:14
 Operator : CG\JU
 Sample : 02938-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-052423

Quant Time: May 27 01:13:17 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 25 23:30:55 2023
 Response via : Initial Calibration

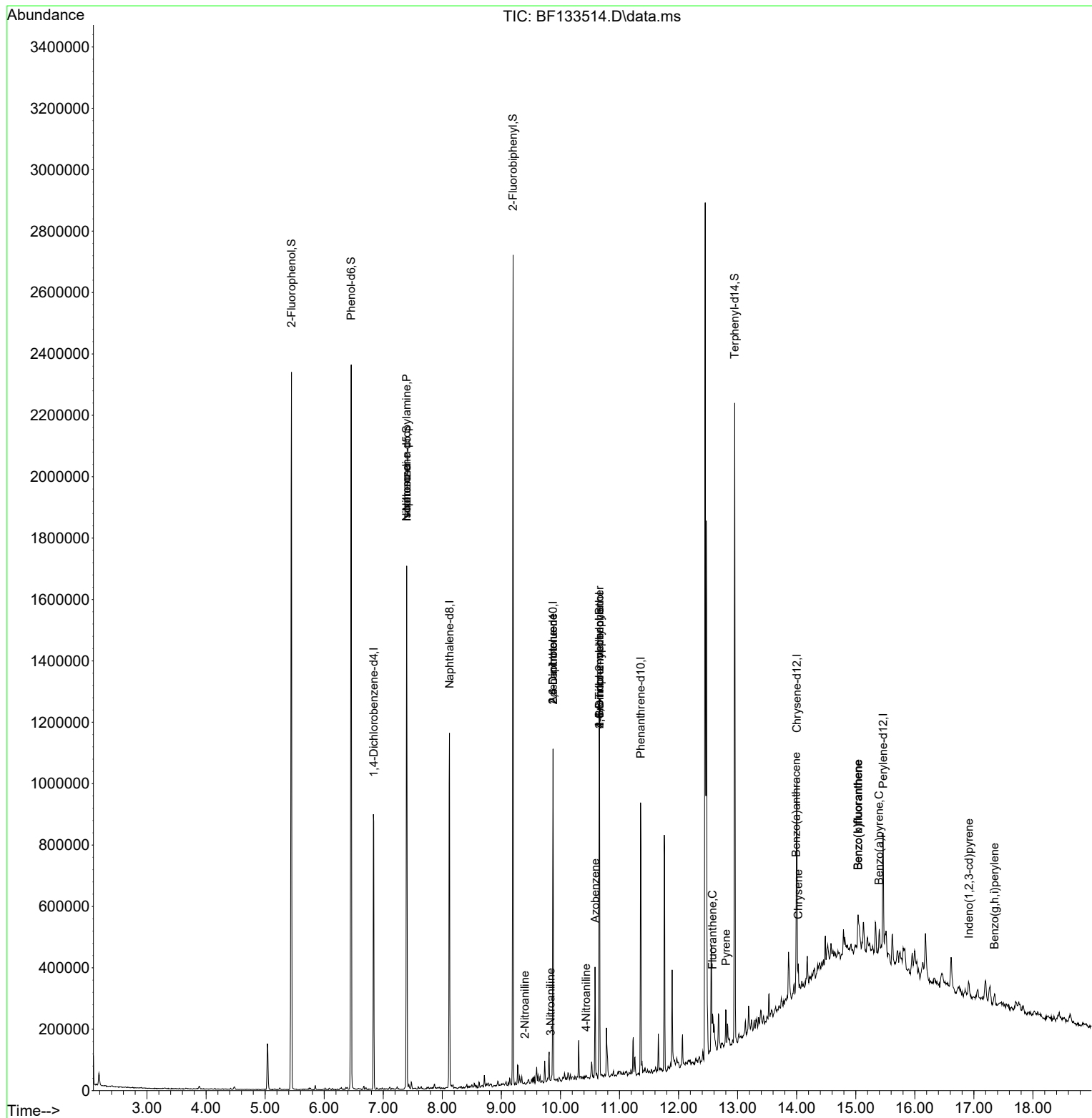
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	129402	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	465425	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	185915	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	312891	20.000	ng	0.00
76) Chrysene-d12	14.004	240	224666	20.000	ng	0.00
86) Perylene-d12	15.462	264	174049	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	600472	77.423	ng	0.00
7) Phenol-d6	6.457	99	712241	74.600	ng	0.00
23) Nitrobenzene-d5	7.398	82	442340	63.457	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	136506	73.658	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	752740	62.491	ng	0.00
79) Terphenyl-d14	12.951	244	680326	53.840	ng	0.00
Target Compounds						
9) Benzaldehyde	6.387	77	225	Below Cal	Qvalue	# 47
19) n-Nitroso-di-n-propyla...	7.398	70	60993	9.874	ng	# 79
25) Isophorone	7.398	82	441429	27.172	ng	# 65
48) 2-Nitroaniline	9.398	65	190	4.040	ng	# 6
51) 2,6-Dinitrotoluene	9.875	165	24722	12.870	ng	# 18
53) 3-Nitroaniline	9.833	138	72	3.201	ng	# 47
57) 2,4-Dinitrotoluene	9.875	165	24722	11.971	ng	# 16
62) 4-Nitroaniline	10.433	138	61	3.003	ng	# 16
63) Azobenzene	10.586	77	55116	4.059	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.663	198	361	8.942	ng	# 1
67) 4-Bromophenyl-phenylether	10.663	248	8624	2.595	ng	# 1
75) Fluoranthene	12.574	202	39967	2.283	ng	98
78) Pyrene	12.804	202	53020	2.773	ng	99
81) Benzo(a)anthracene	13.992	228	36185	2.418	ng	# 79
83) Chrysene	14.027	228	39307	2.602	ng	# 94
87) Indeno(1,2,3-cd)pyrene	16.915	276	29286	2.642	ng	94
88) Benzo(b)fluoranthene	15.039	252	74108	6.539	ng	# 79
89) Benzo(k)fluoranthene	15.039	252	74108	6.706	ng	# 80
90) Benzo(a)pyrene	15.398	252	37843	3.669	ng	# 84
92) Benzo(g,h,i)perylene	17.351	276	33265	3.670	ng	# 86

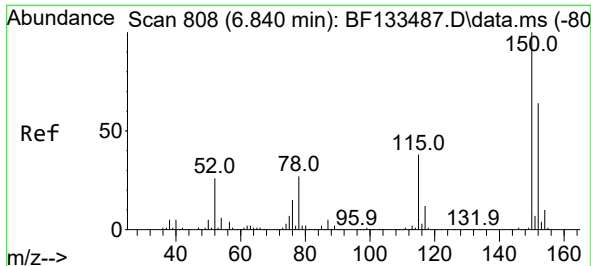
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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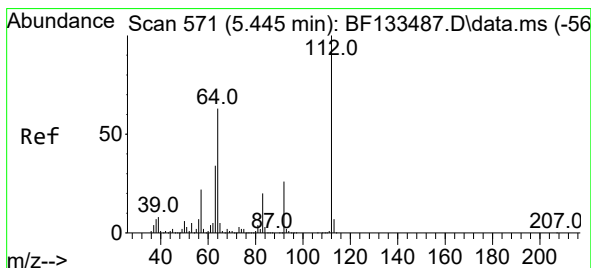
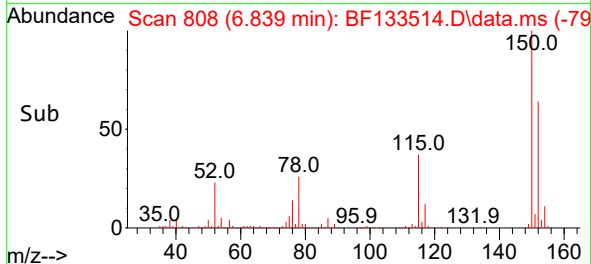
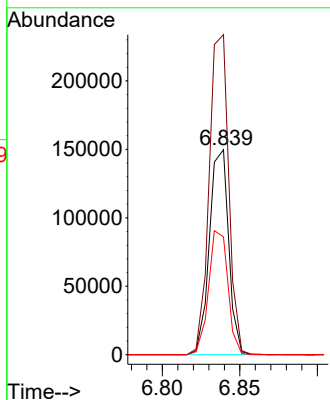
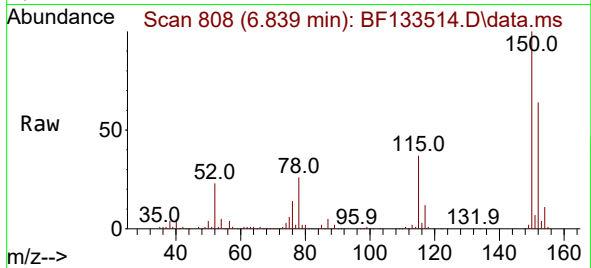




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 808
Delta R.T. -0.001 min
Lab File: BF133514.D
Acq: 26 May 2023 23:14

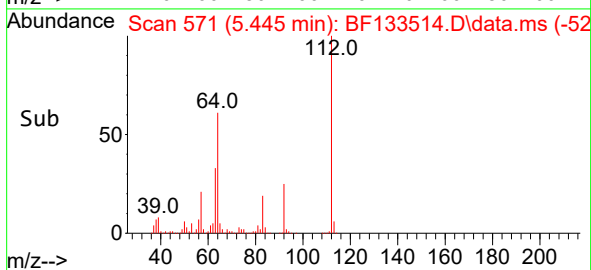
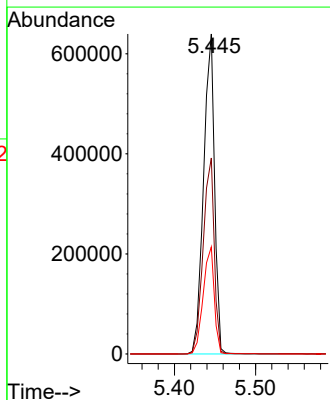
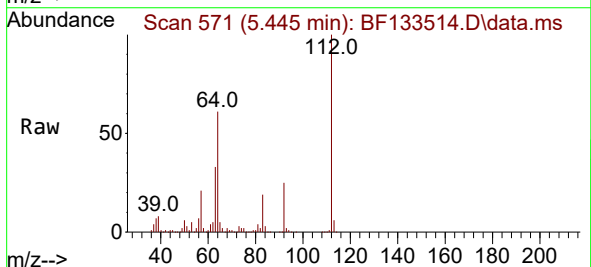
Instrument :
BNA_F
ClientSampleId :
SU-04-052423

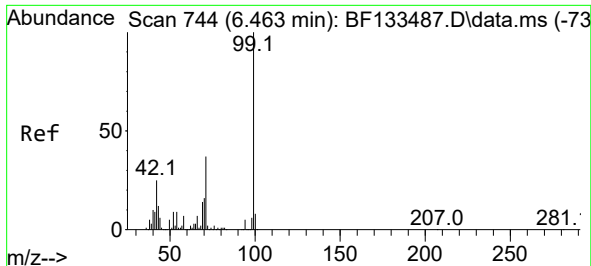
Tgt Ion:152 Resp: 129402
Ion Ratio Lower Upper
152 100
150 156.1 124.9 187.3
115 57.5 48.1 72.1



#5
2-Fluorophenol
Concen: 77.423 ng
RT: 5.445 min Scan# 571
Delta R.T. -0.000 min
Lab File: BF133514.D
Acq: 26 May 2023 23:14

Tgt Ion:112 Resp: 600472
Ion Ratio Lower Upper
112 100
64 61.3 50.1 75.1
63 33.5 27.5 41.3





#7

Phenol-d6

Concen: 74.600 ng

RT: 6.457 min Scan# 744

Delta R.T. -0.006 min

Lab File: BF133514.D

Acq: 26 May 2023 23:14

Instrument :

BNA_F

ClientSampleId :

SU-04-052423

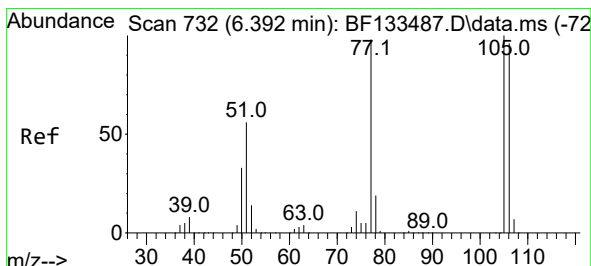
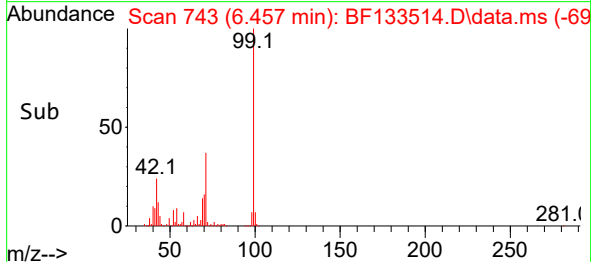
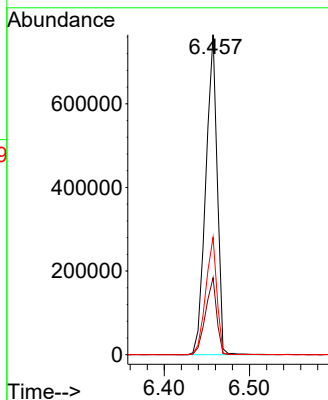
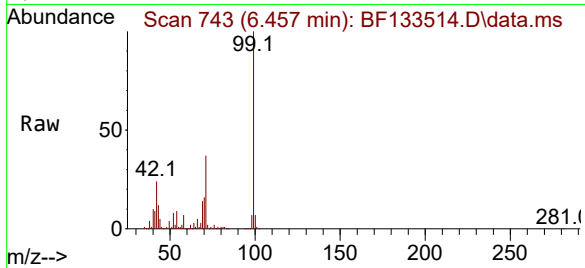
Tgt Ion: 99 Resp: 712241

Ion Ratio Lower Upper

99 100

42 24.0 19.7 29.5

71 36.7 29.8 44.8



#9

Benzaldehyde

Concen: Below Cal

RT: 6.387 min Scan# 731

Delta R.T. -0.005 min

Lab File: BF133514.D

Acq: 26 May 2023 23:14

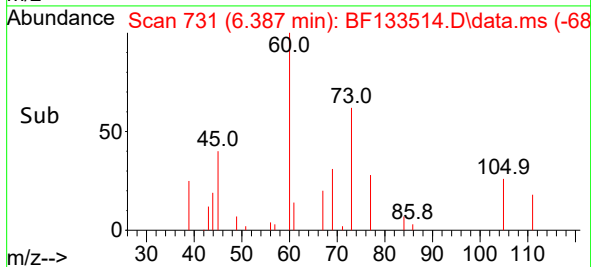
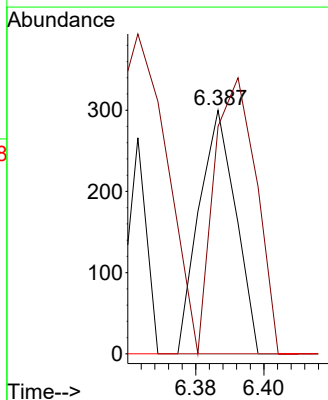
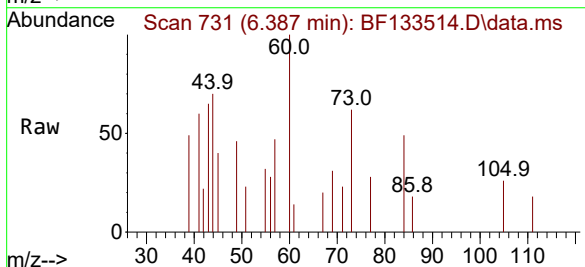
Tgt Ion: 77 Resp: 225

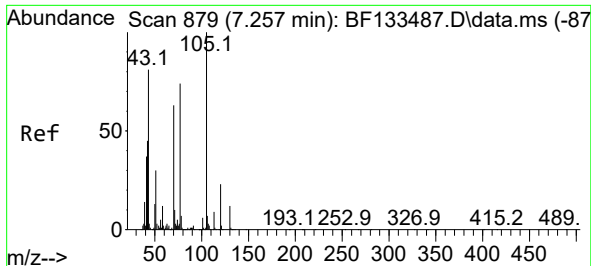
Ion Ratio Lower Upper

77 100

105 93.3 81.9 121.9

106 0.0 77.8 117.8#





#19

n-Nitroso-di-n-propylamine

Concen: 9.874 ng

RT: 7.398 min Scan# 90

Delta R.T. 0.141 min

Lab File: BF133514.D

Acq: 26 May 2023 23:14

Instrument :

BNA_F

ClientSampleId :

SU-04-052423

Tgt Ion: 70 Resp: 60993

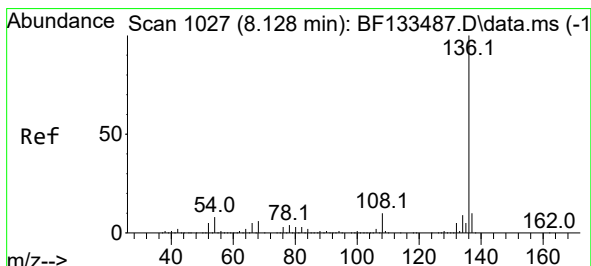
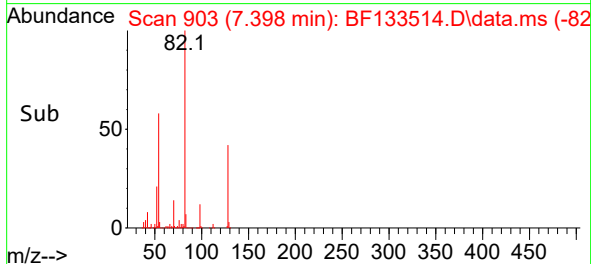
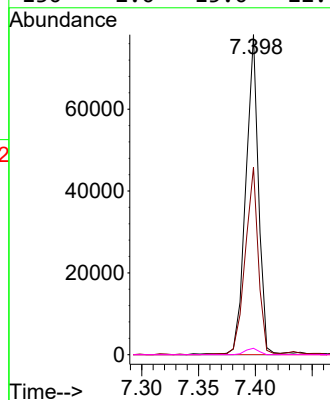
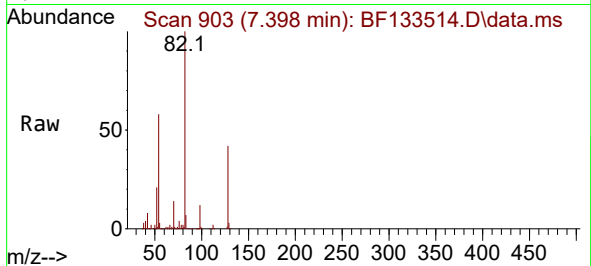
Ion Ratio Lower Upper

70 100

42 58.5 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: 8.122 min Scan# 1026

Delta R.T. -0.006 min

Lab File: BF133514.D

Acq: 26 May 2023 23:14

Tgt Ion: 136 Resp: 465425

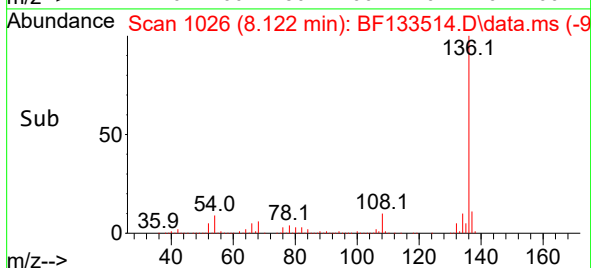
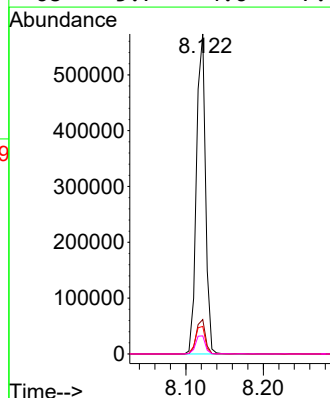
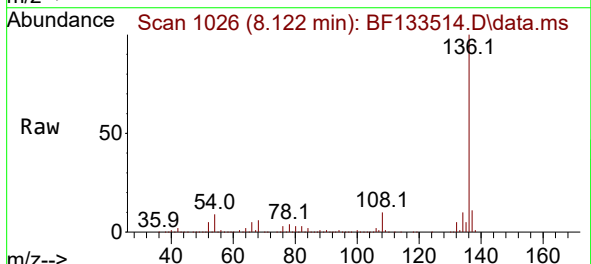
Ion Ratio Lower Upper

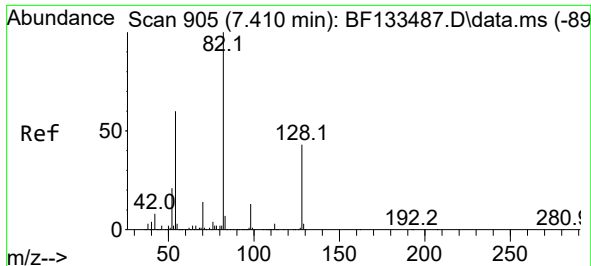
136 100

137 10.8 8.2 12.4

54 8.6 6.6 10.0

68 5.7 4.6 7.0





#23

Nitrobenzene-d5

Concen: 63.457 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.012 min

Lab File: BF133514.D

Acq: 26 May 2023 23:14

Instrument :

BNA_F

ClientSampleId :

SU-04-052423

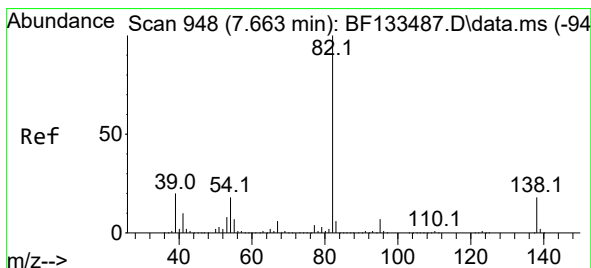
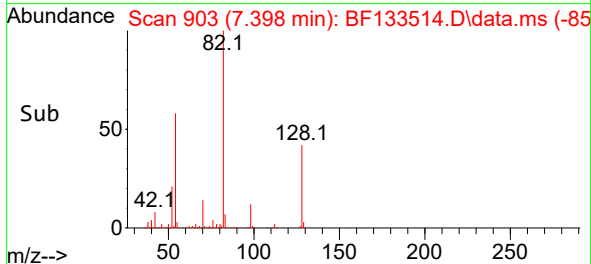
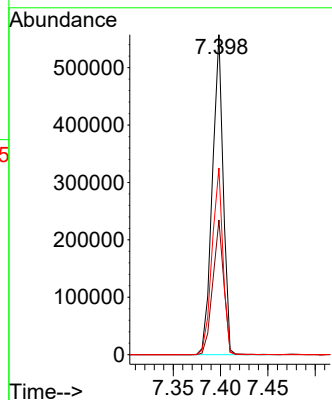
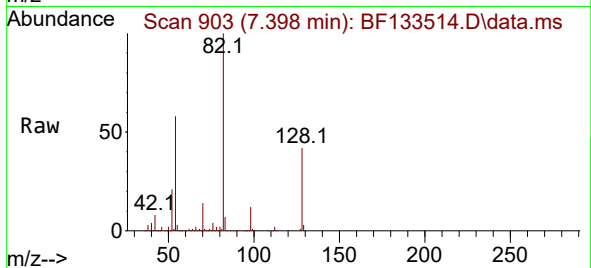
Tgt Ion: 82 Resp: 442340

Ion Ratio Lower Upper

82 100

128 42.1 34.2 51.4

54 58.4 48.2 72.4



#25

Isophorone

Concen: 27.172 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.265 min

Lab File: BF133514.D

Acq: 26 May 2023 23:14

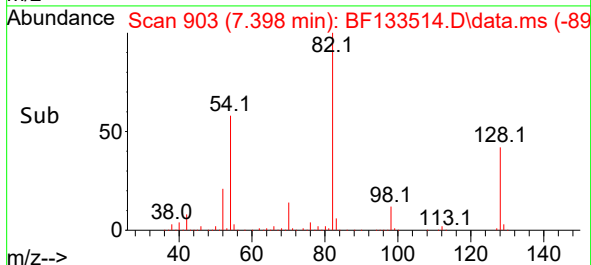
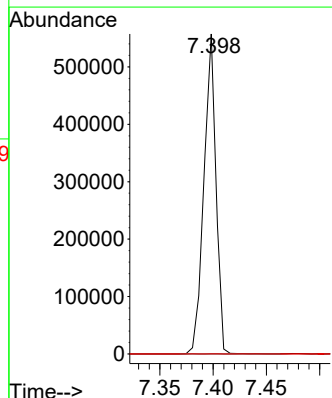
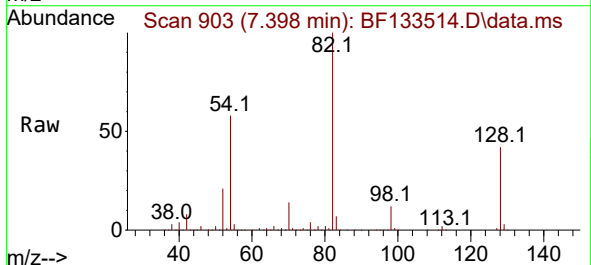
Tgt Ion: 82 Resp: 441429

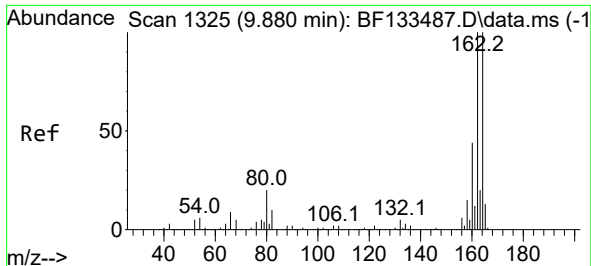
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.875 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133514.D

Acq: 26 May 2023 23:14

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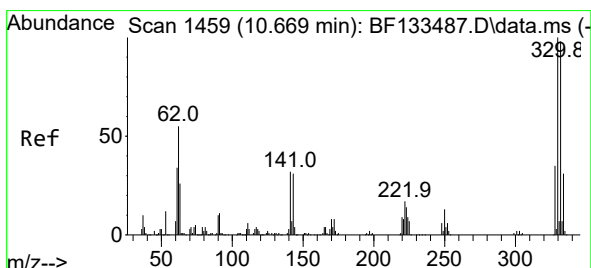
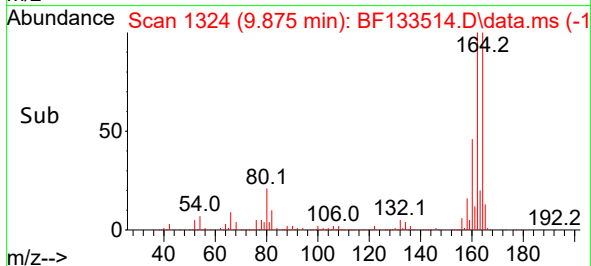
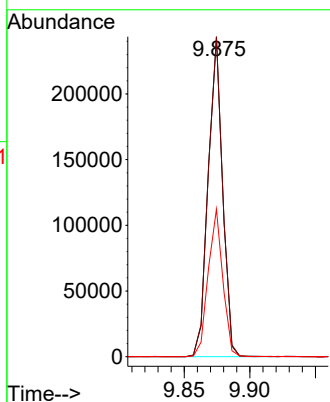
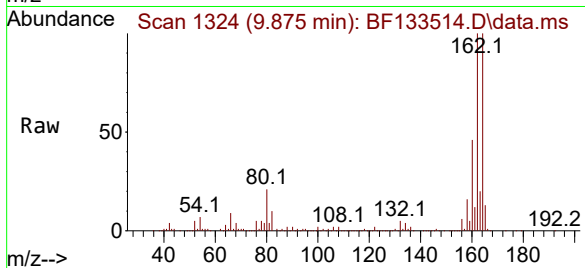
Tgt Ion:164 Resp: 185915

Ion Ratio Lower Upper

164 100

162 100.1 79.7 119.5

160 46.1 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 73.658 ng

RT: 10.663 min Scan# 1458

Delta R.T. -0.006 min

Lab File: BF133514.D

Acq: 26 May 2023 23:14

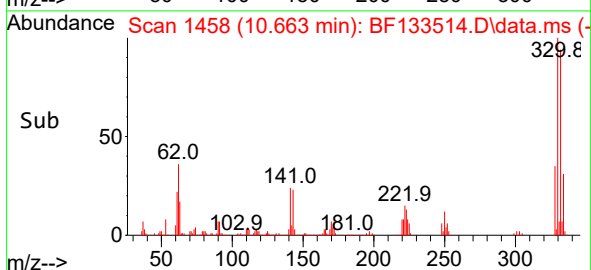
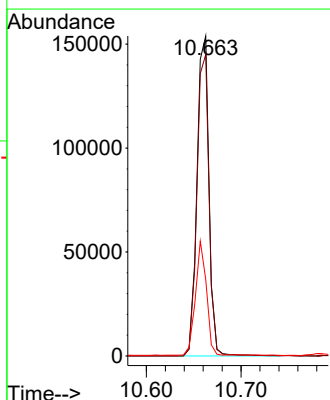
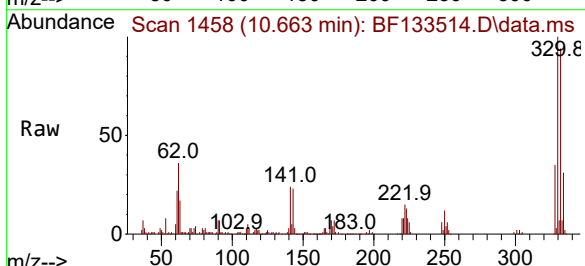
Tgt Ion:330 Resp: 136506

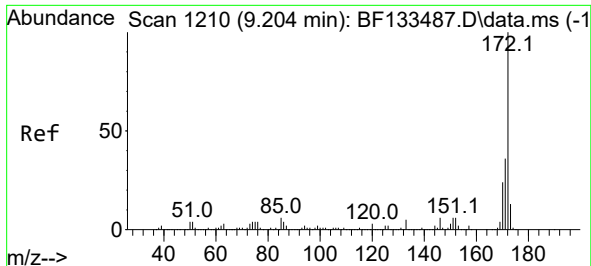
Ion Ratio Lower Upper

330 100

332 94.8 77.8 116.6

141 32.4 26.6 40.0





#45

2-Fluorobiphenyl

Concen: 62.491 ng

RT: 9.198 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133514.D

Acq: 26 May 2023 23:14

Instrument :

BNA_F

ClientSampleId :

SU-04-052423

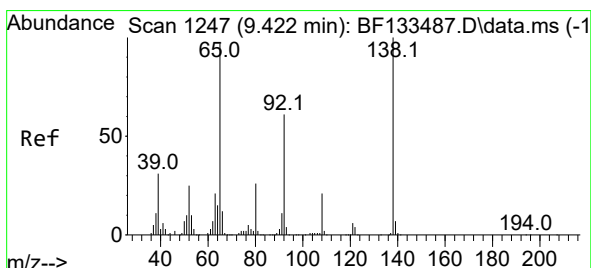
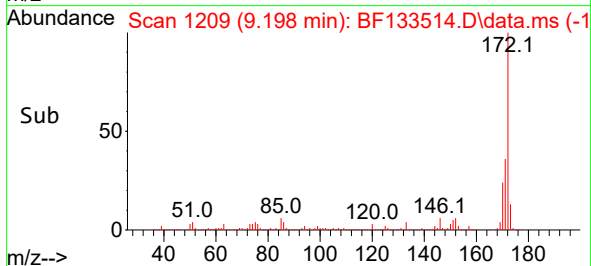
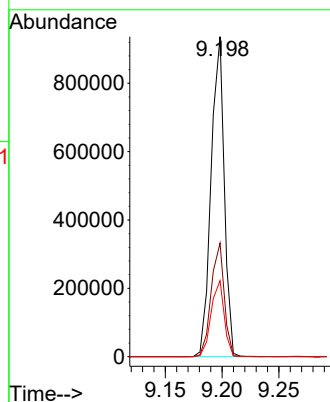
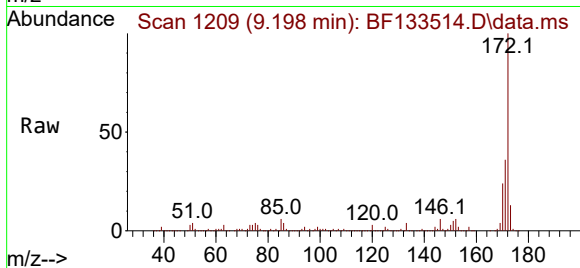
Tgt Ion:172 Resp: 752740

Ion Ratio Lower Upper

172 100

171 35.5 28.4 42.6

170 23.7 19.3 28.9



#48

2-Nitroaniline

Concen: 4.040 ng

RT: 9.398 min Scan# 1243

Delta R.T. -0.024 min

Lab File: BF133514.D

Acq: 26 May 2023 23:14

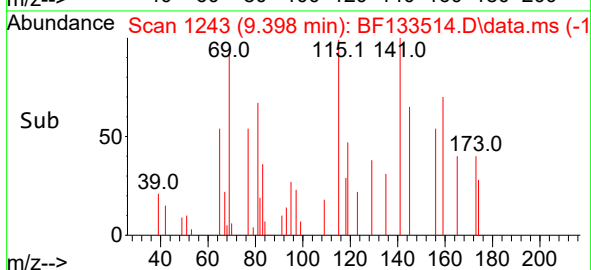
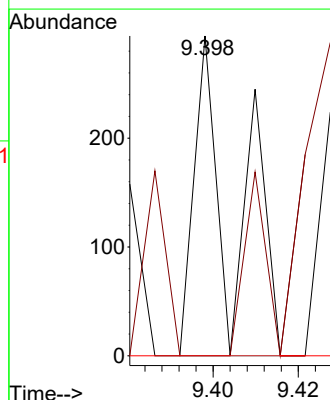
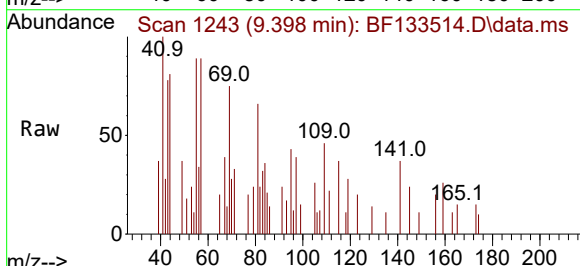
Tgt Ion: 65 Resp: 190

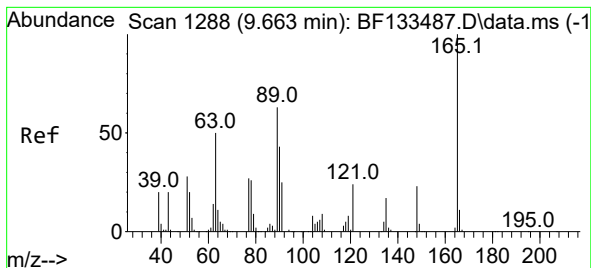
Ion Ratio Lower Upper

65 100

92 0.0 50.8 76.2#

138 0.0 82.6 124.0#





#51

2,6-Dinitrotoluene

Concen: 12.870 ng

RT: 9.875 min Scan# 1

Delta R.T. 0.212 min

Lab File: BF133514.D

Acq: 26 May 2023 23:14

Instrument :

BNA_F

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SU-04-052423

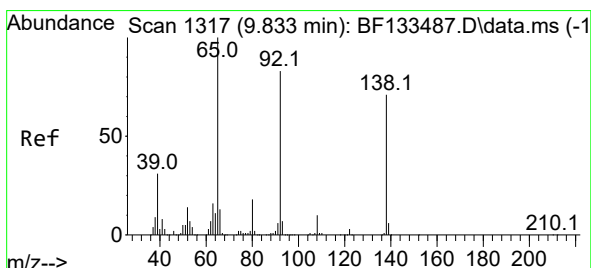
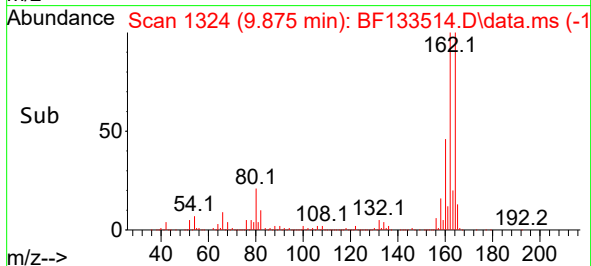
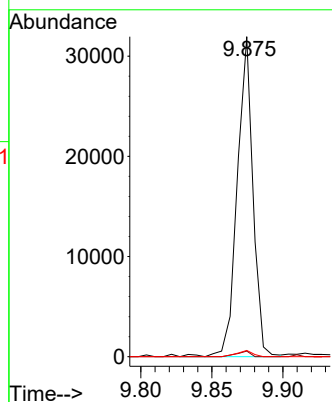
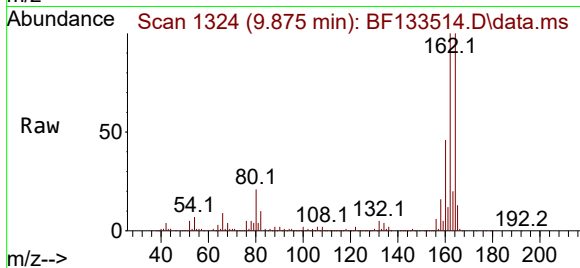
Tgt Ion:165 Resp: 24722

Ion Ratio Lower Upper

165 100

63 1.7 57.0 85.4#

89 2.0 50.8 76.2#



#53

3-Nitroaniline

Concen: 3.201 ng

RT: 9.833 min Scan# 1317

Delta R.T. 0.000 min

Lab File: BF133514.D

Acq: 26 May 2023 23:14

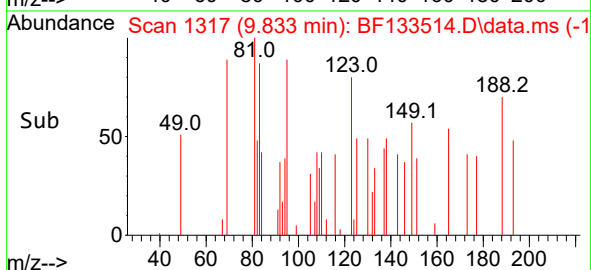
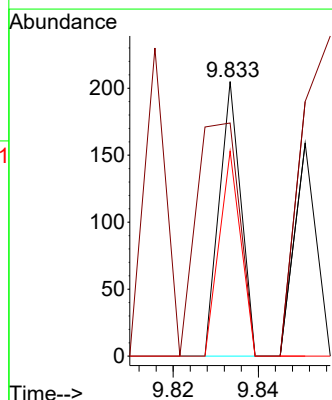
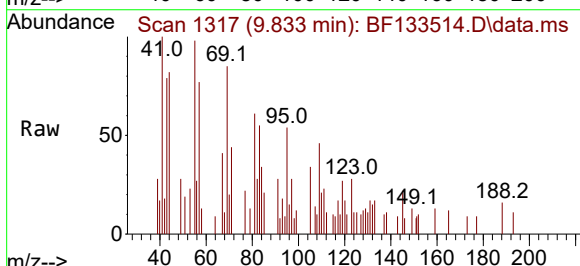
Tgt Ion:138 Resp: 72

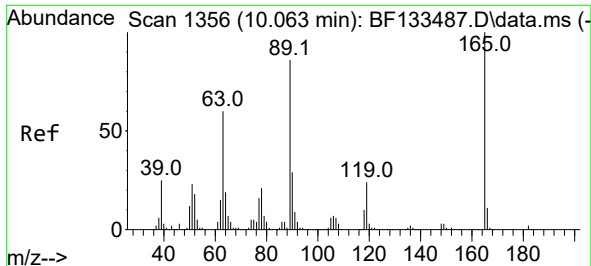
Ion Ratio Lower Upper

138 100

108 84.9 11.9 17.9#

92 74.6 93.1 139.7#

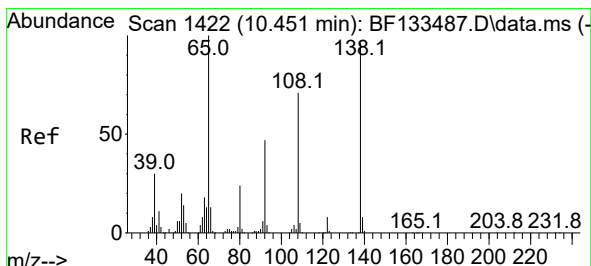
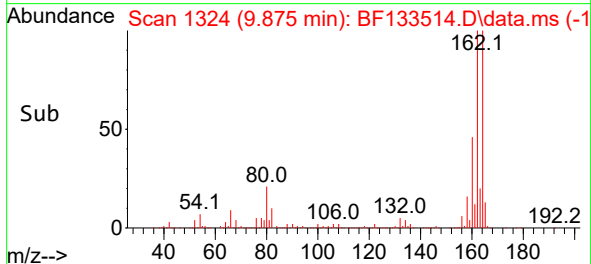
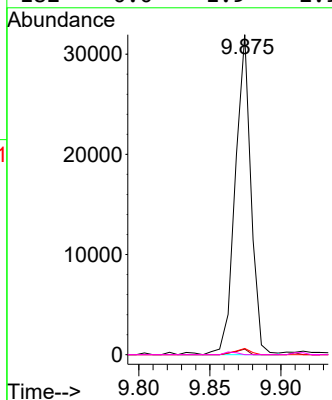
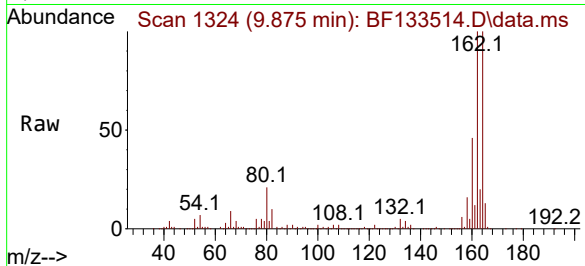




#57
2,4-Dinitrotoluene
Concen: 11.971 ng
RT: 9.875 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF133514.D
Acq: 26 May 2023 23:14

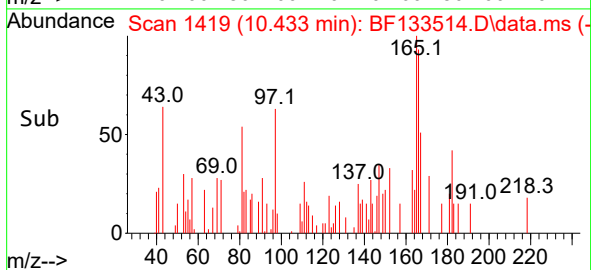
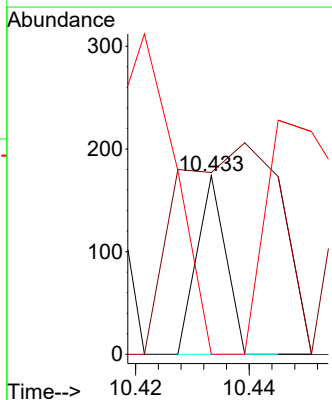
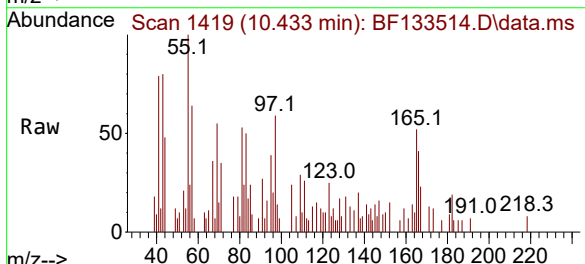
Instrument :
BNA_F
ClientSampleId :
SU-04-052423

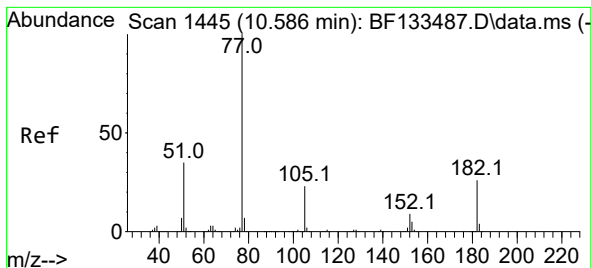
Tgt Ion:165 Resp: 24722
Ion Ratio Lower Upper
165 100
63 1.7 48.1 72.1#
89 2.0 68.4 102.6#
182 0.0 1.9 2.9#



#62
4-Nitroaniline
Concen: 3.003 ng
RT: 10.433 min Scan# 1419
Delta R.T. -0.018 min
Lab File: BF133514.D
Acq: 26 May 2023 23:14

Tgt Ion:138 Resp: 61
Ion Ratio Lower Upper
138 100
92 101.7 28.4 68.4#
108 0.0 54.2 94.2#





#63

Azobenzene

Concen: 4.059 ng

RT: 10.586 min Scan# 1445

Delta R.T. 0.000 min

Lab File: BF133514.D

Acq: 26 May 2023 23:14

Instrument :

BNA_F

ClientSampleId :

SU-04-052423

Tgt Ion: 77 Resp: 55116

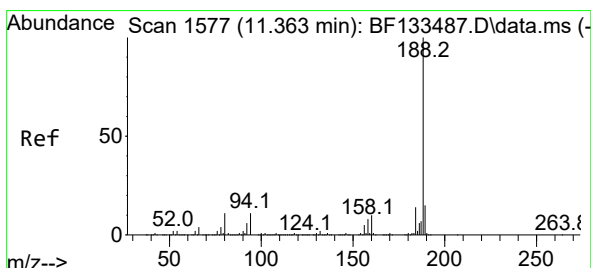
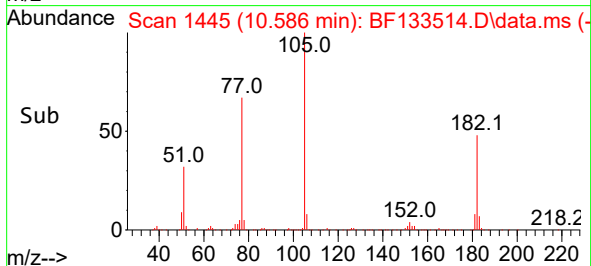
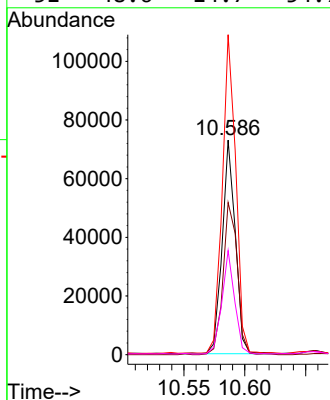
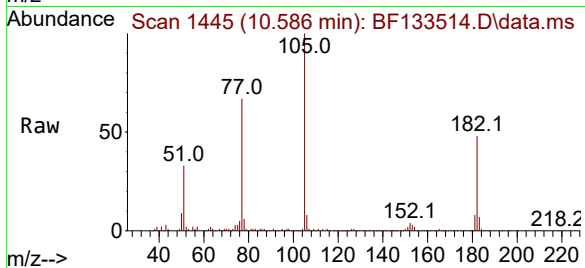
Ion Ratio Lower Upper

77 100

182 70.9 5.6 45.6#

105 149.2 2.6 42.6#

51 48.6 14.7 54.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 1576

Delta R.T. -0.006 min

Lab File: BF133514.D

Acq: 26 May 2023 23:14

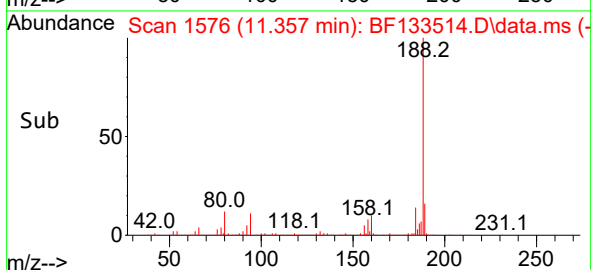
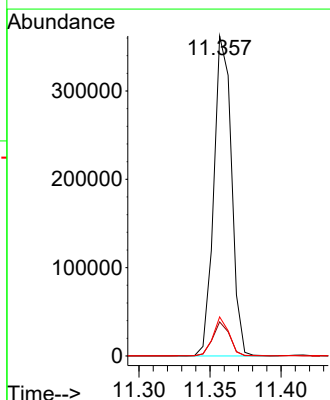
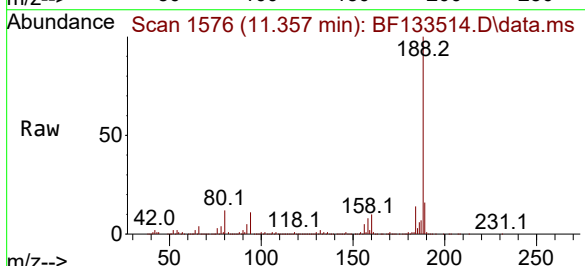
Tgt Ion: 188 Resp: 312891

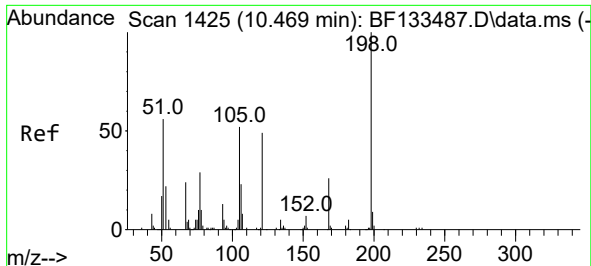
Ion Ratio Lower Upper

188 100

94 10.7 8.6 12.8

80 12.2 9.2 13.8





#65

4,6-Dinitro-2-methylphenol

Concen: 8.942 ng

RT: 10.663 min Scan# 14

Delta R.T. 0.194 min

Lab File: BF133514.D

Acq: 26 May 2023 23:14

Instrument :

BNA_F

ClientSampleId :

SU-04-052423

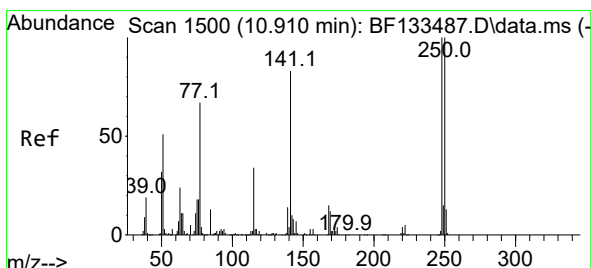
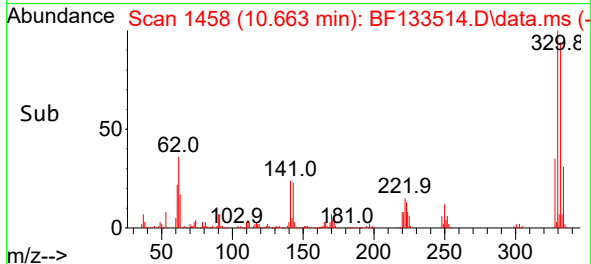
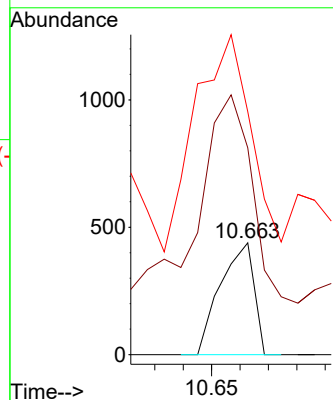
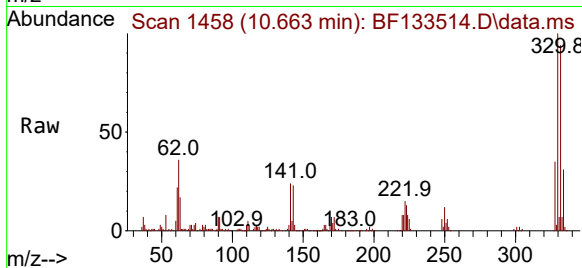
Tgt Ion:198 Resp: 361

Ion Ratio Lower Upper

198 100

51 185.0 53.6 93.6#

105 217.3 35.9 75.9#



#67

4-Bromophenyl-phenylether

Concen: 2.595 ng

RT: 10.663 min Scan# 1458

Delta R.T. -0.247 min

Lab File: BF133514.D

Acq: 26 May 2023 23:14

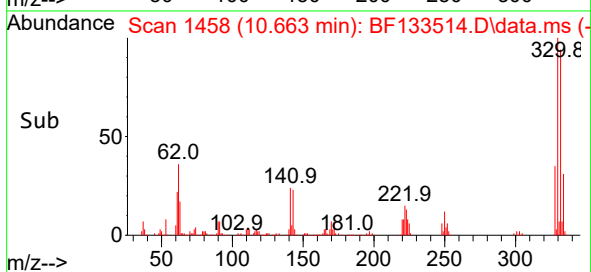
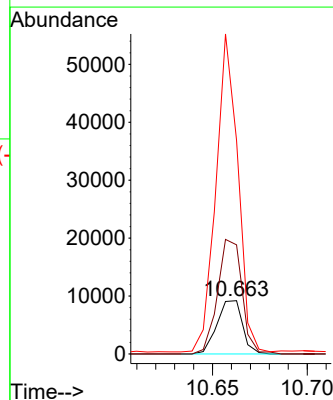
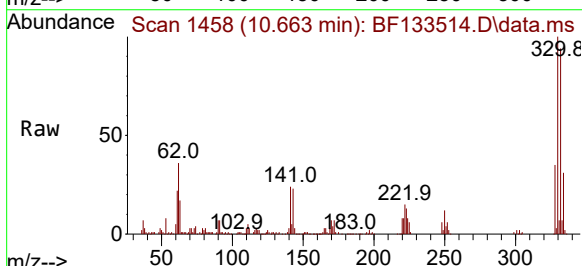
Tgt Ion:248 Resp: 8624

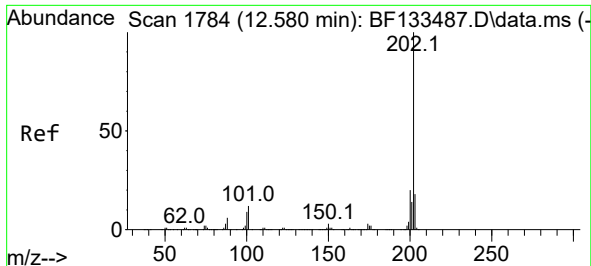
Ion Ratio Lower Upper

248 100

250 205.0 79.7 119.5#

141 401.2 66.6 100.0#

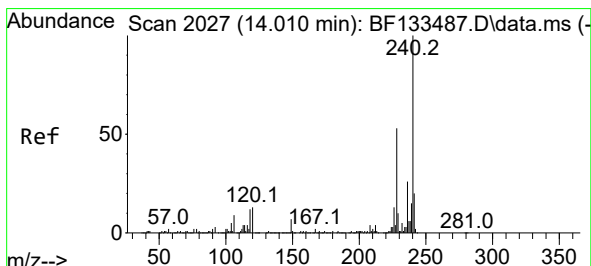
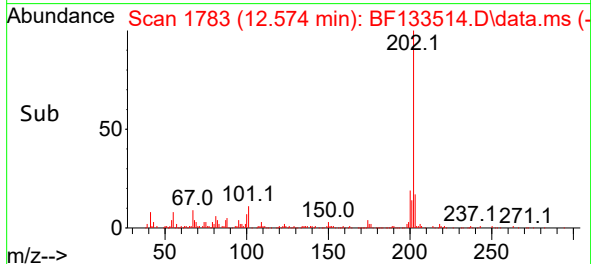
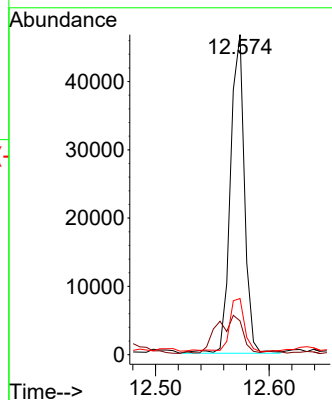
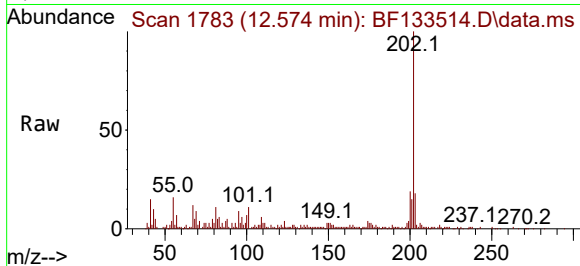




#75
Fluoranthene
Concen: 2.283 ng
RT: 12.574 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF133514.D
Acq: 26 May 2023 23:14

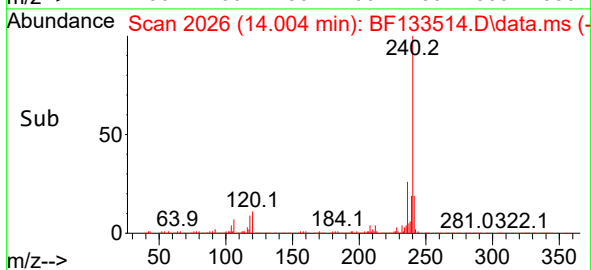
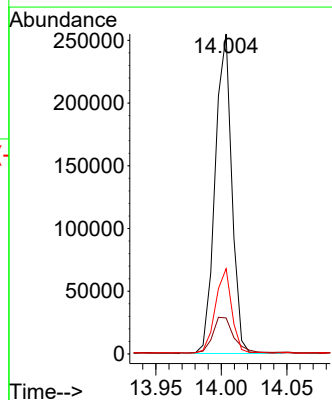
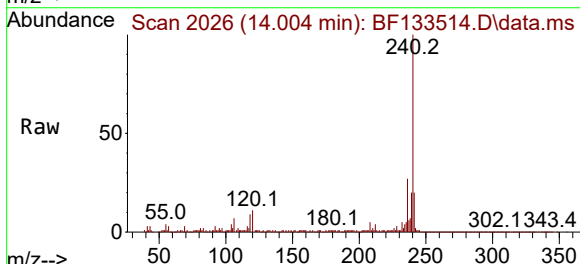
Instrument :
BNA_F
ClientSampleId :
SU-04-052423

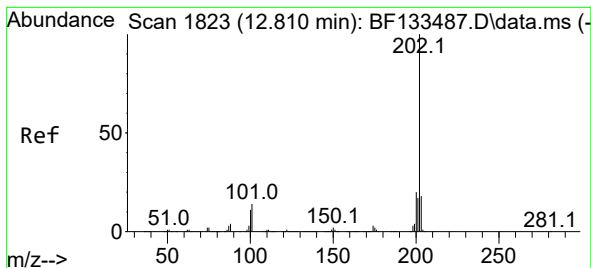
Tgt Ion:202 Resp: 39967
Ion Ratio Lower Upper
202 100
101 10.5 0.0 32.2
203 17.6 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF133514.D
Acq: 26 May 2023 23:14

Tgt Ion:240 Resp: 224666
Ion Ratio Lower Upper
240 100
120 11.3 10.3 15.5
236 26.7 20.5 30.7





#78

Pyrene

Concen: 2.773 ng

RT: 12.804 min Scan# 1822

Delta R.T. -0.006 min

Lab File: BF133514.D

Acq: 26 May 2023 23:14

Instrument :

BNA_F

ClientSampleId :

SU-04-052423

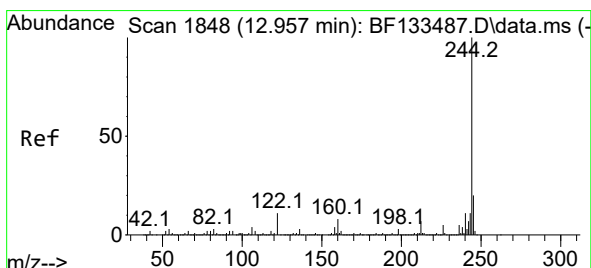
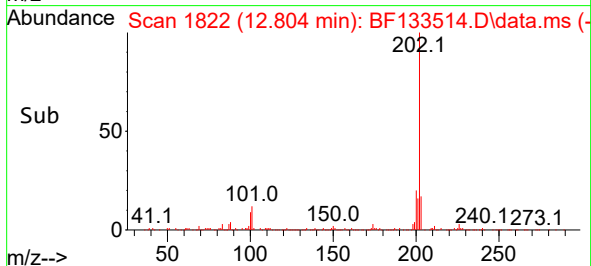
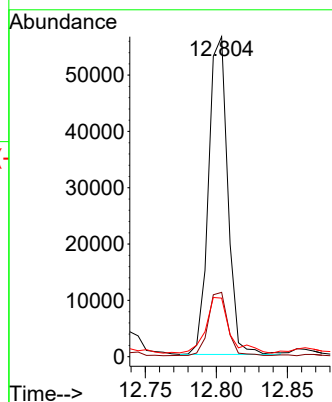
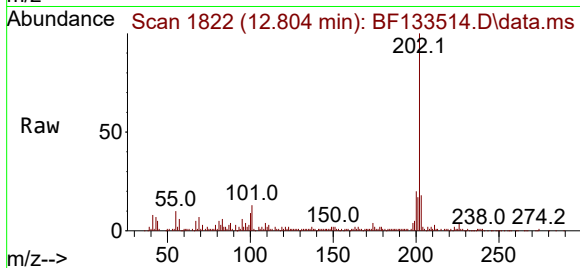
Tgt Ion:202 Resp: 53020

Ion Ratio Lower Upper

202 100

200 20.1 16.3 24.5

203 18.3 14.3 21.5



#79

Terphenyl-d14

Concen: 53.840 ng

RT: 12.951 min Scan# 1847

Delta R.T. -0.006 min

Lab File: BF133514.D

Acq: 26 May 2023 23:14

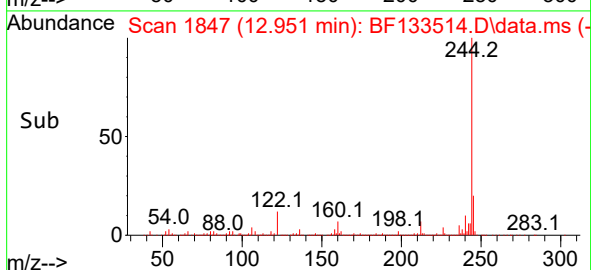
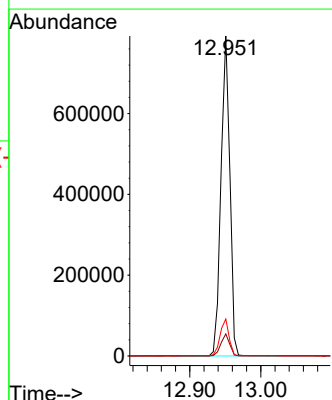
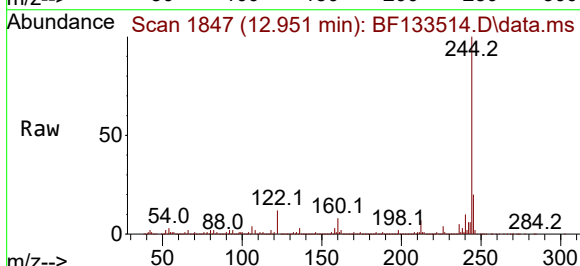
Tgt Ion:244 Resp: 680326

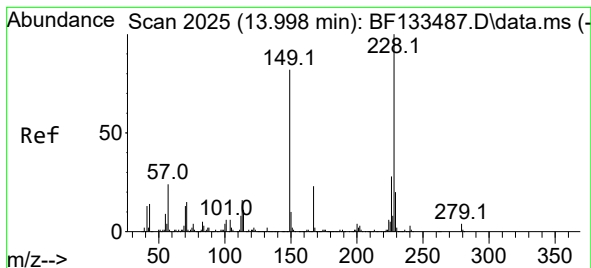
Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.6

122 11.5 8.5 12.7





#81

Benzo(a)anthracene

Concen: 2.418 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF133514.D

Acq: 26 May 2023 23:14

Instrument :

BNA_F

ClientSampleId :

SU-04-052423

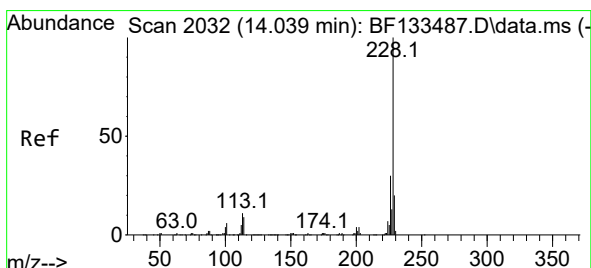
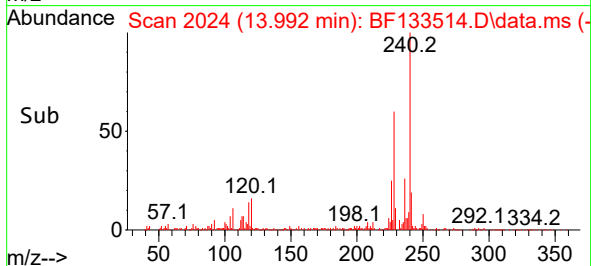
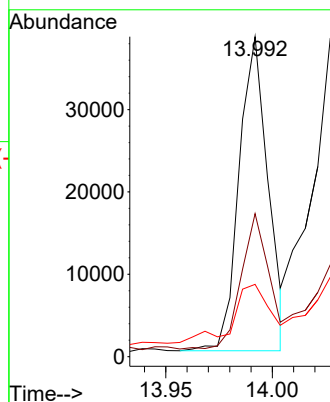
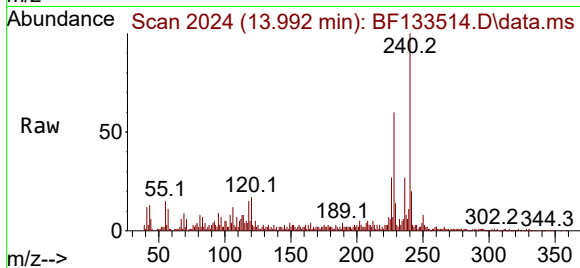
Tgt Ion:228 Resp: 36185

Ion Ratio Lower Upper

228 100

226 44.7 22.3 33.5#

229 22.6 16.1 24.1



#83

Chrysene

Concen: 2.602 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.012 min

Lab File: BF133514.D

Acq: 26 May 2023 23:14

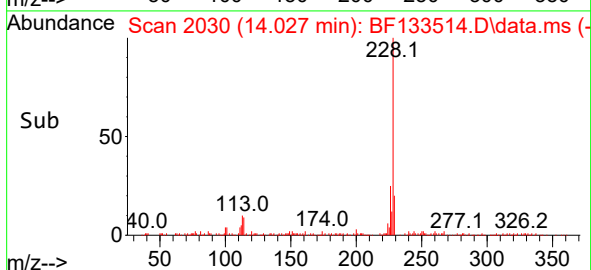
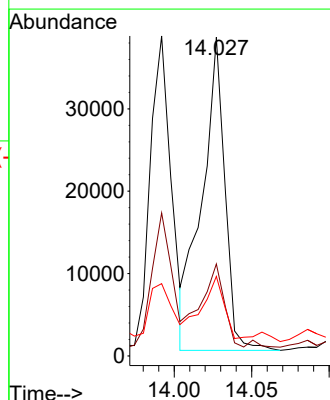
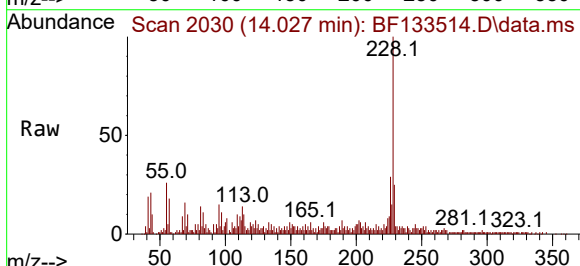
Tgt Ion:228 Resp: 39307

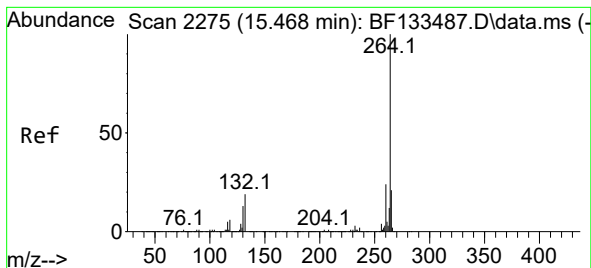
Ion Ratio Lower Upper

228 100

226 28.9 24.1 36.1

229 25.0 15.8 23.8#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.462 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133514.D

Acq: 26 May 2023 23:14

Instrument :

BNA_F

ClientSampleId :

SU-04-052423

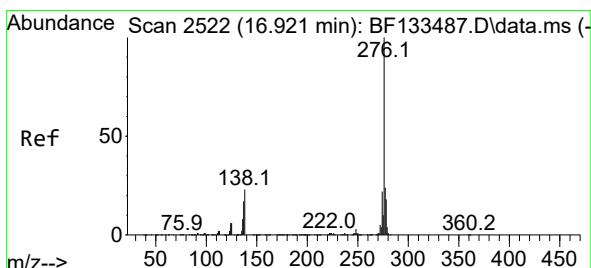
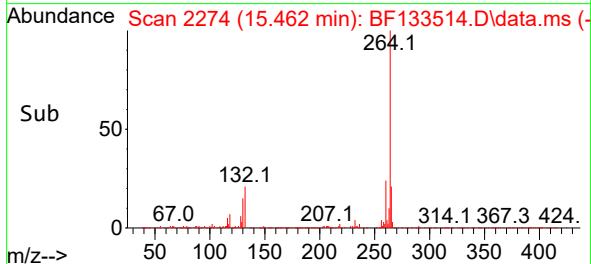
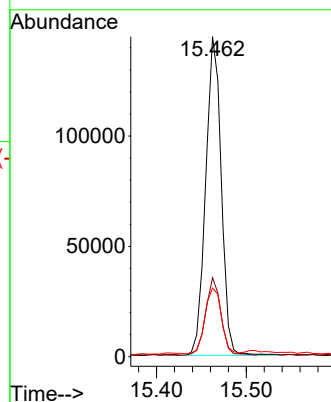
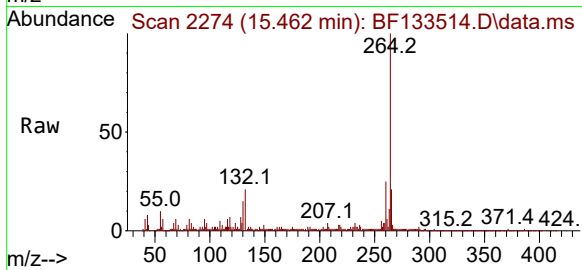
Tgt Ion:264 Resp: 174049

Ion Ratio Lower Upper

264 100

260 24.7 19.0 28.4

265 21.4 16.8 25.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.642 ng

RT: 16.915 min Scan# 2521

Delta R.T. -0.006 min

Lab File: BF133514.D

Acq: 26 May 2023 23:14

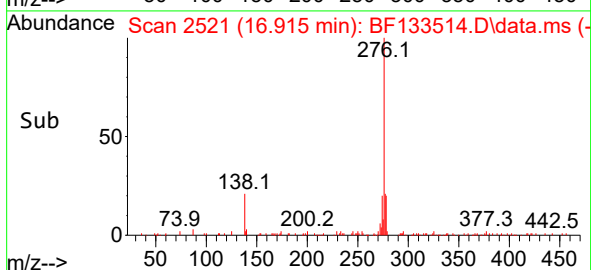
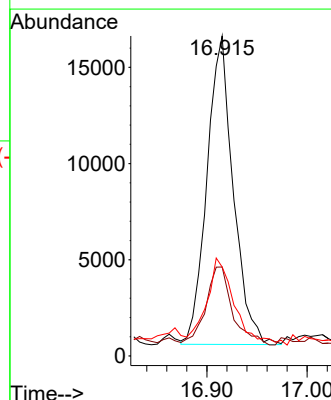
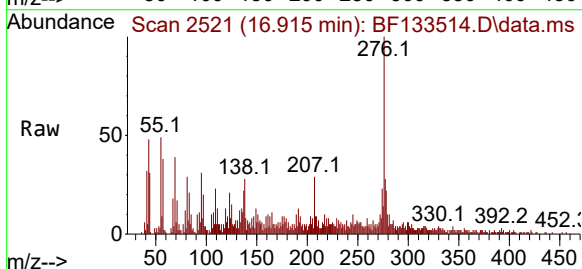
Tgt Ion:276 Resp: 29286

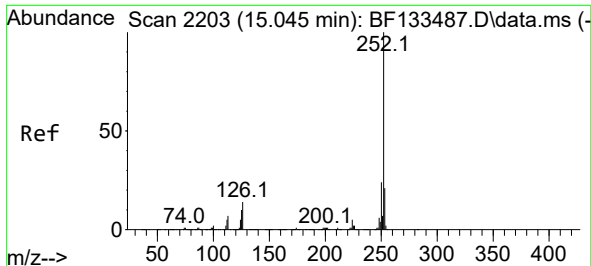
Ion Ratio Lower Upper

276 100

138 25.6 21.4 32.2

277 29.8 20.0 30.0





#88

Benzo(b)fluoranthene

Concen: 6.539 ng

RT: 15.039 min Scan# 2202

Delta R.T. -0.006 min

Lab File: BF133514.D

Acq: 26 May 2023 23:14

Instrument :

BNA_F

ClientSampleId :

SU-04-052423

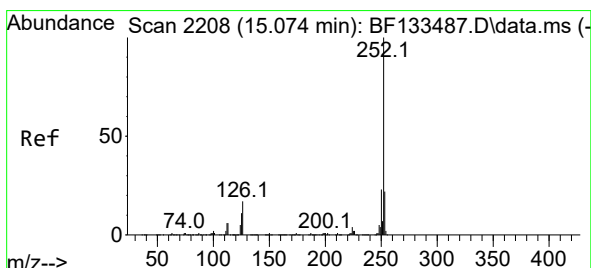
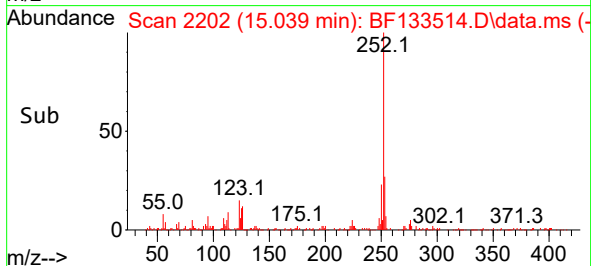
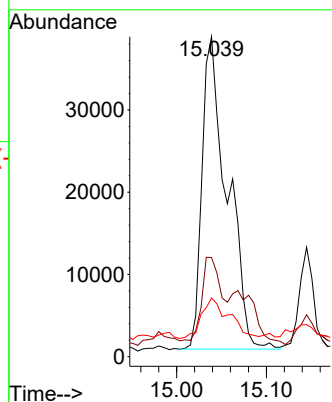
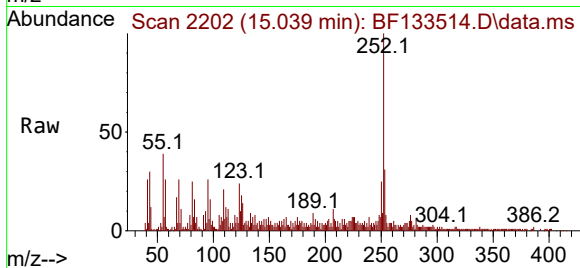
Tgt Ion:252 Resp: 74108

Ion Ratio Lower Upper

252 100

253 31.0 17.2 25.8#

125 18.4 8.1 12.1#



#89

Benzo(k)fluoranthene

Concen: 6.706 ng

RT: 15.039 min Scan# 2202

Delta R.T. -0.035 min

Lab File: BF133514.D

Acq: 26 May 2023 23:14

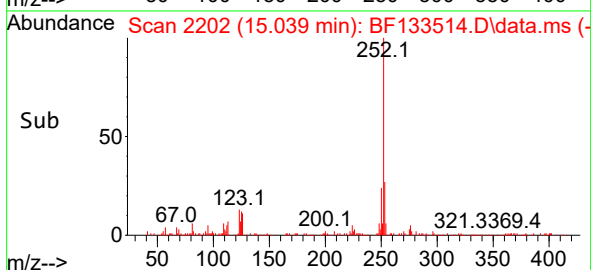
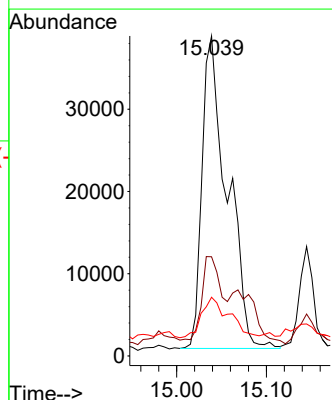
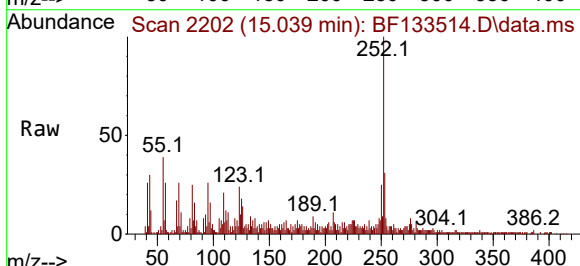
Tgt Ion:252 Resp: 74108

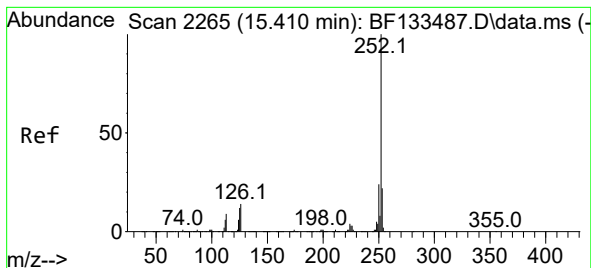
Ion Ratio Lower Upper

252 100

253 31.0 17.4 26.2#

125 18.4 8.3 12.5#





#90

Benzo(a)pyrene

Concen: 3.669 ng

RT: 15.398 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF133514.D

Acq: 26 May 2023 23:14

Instrument :

BNA_F

ClientSampleId :

SU-04-052423

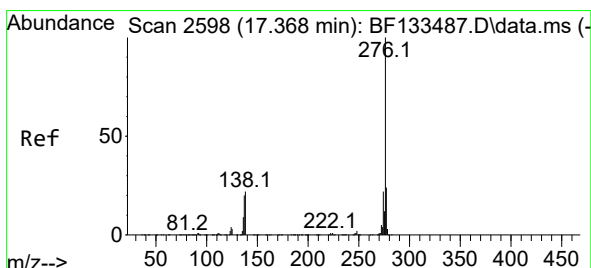
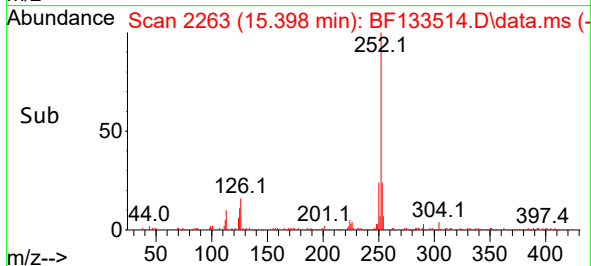
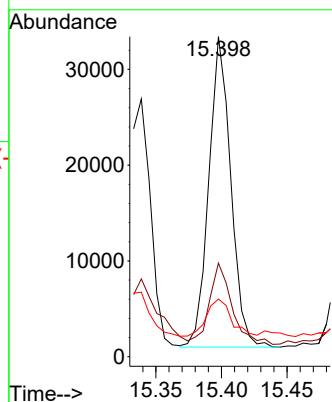
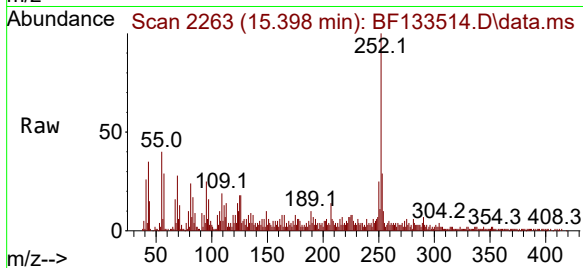
Tgt Ion:252 Resp: 37843

Ion Ratio Lower Upper

252 100

253 29.2 17.4 26.0#

125 18.0 9.4 14.0#



#92

Benzo(g,h,i)perylene

Concen: 3.670 ng

RT: 17.351 min Scan# 2595

Delta R.T. -0.018 min

Lab File: BF133514.D

Acq: 26 May 2023 23:14

Tgt Ion:276 Resp: 33265

Ion Ratio Lower Upper

276 100

277 28.3 18.8 28.2#

138 30.7 17.8 26.6#

