

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061523\
 Data File : BF133781.D
 Acq On : 15 Jun 2023 18:28
 Operator : CG\JU
 Sample : 03221-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT-4194

Quant Time: Jun 15 19:15:18 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 15 15:12:57 2023
 Response via : Initial Calibration

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

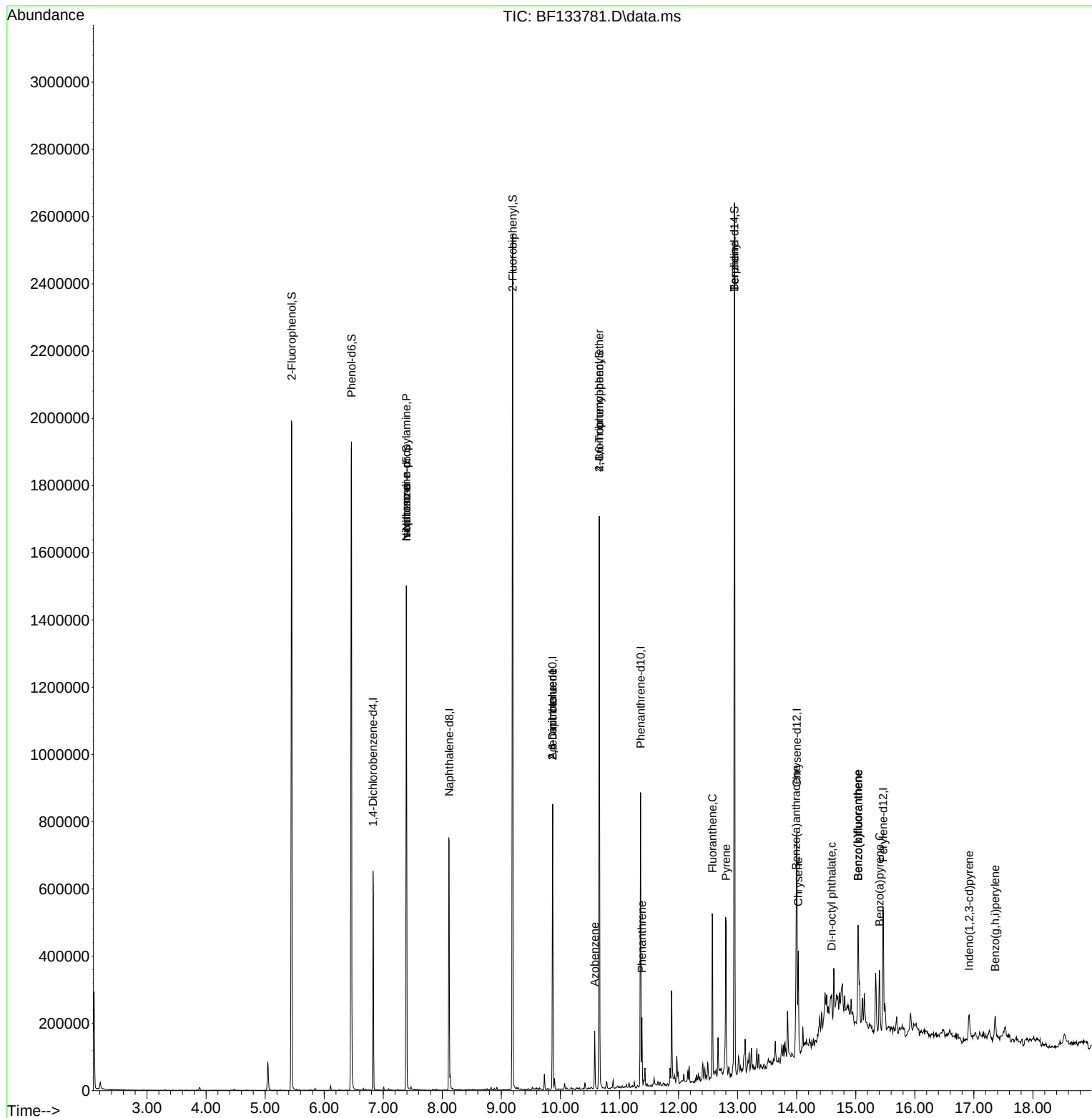
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	91855	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	338716	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	155818	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	290341	20.000	ng	0.00
76) Chrysene-d12	14.004	240	193985	20.000	ng	0.00
86) Perylene-d12	15.462	264	168997	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	543052	102.923	ng	0.01
7) Phenol-d6	6.463	99	635500	92.531	ng	0.00
23) Nitrobenzene-d5	7.392	82	413154	66.437	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	186940	94.779	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	809709	73.869	ng	0.00
79) Terphenyl-d14	12.945	244	931372	74.292	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.392	70	58464	13.379	ng	# 79
25) Isophorone	7.392	82	413150	36.187	ng	# 65
51) 2,6-Dinitrotoluene	9.869	165	19431	8.094	ng	# 28
57) 2,4-Dinitrotoluene	9.869	165	19431	6.364	ng	# 19
63) Azobenzene	10.580	77	26165	2.335	ng	# 1
67) 4-Bromophenyl-phenylether	10.657	248	11627	3.588	ng	# 1
71) Phenanthrene	11.380	178	66206	4.494	ng	98
75) Fluoranthene	12.574	202	201128	12.858	ng	99
77) Benzidine	12.945	184	13125	2.016	ng	# 90
78) Pyrene	12.804	202	201104	11.129	ng	98
81) Benzo(a)anthracene	13.992	228	92406	6.887	ng	94
83) Chrysene	14.027	228	122583	9.659	ng	99
85) Di-n-octyl phthalate	14.592	149	40093	3.004	ng	# 23
87) Indeno(1,2,3-cd)pyrene	16.921	276	52952	4.554	ng	98
88) Benzo(b)fluoranthene	15.039	252	206268	20.093	ng	# 97
89) Benzo(k)fluoranthene	15.039	252	206268	20.627	ng	97
90) Benzo(a)pyrene	15.404	252	93102	9.772	ng	97
92) Benzo(g,h,i)perylene	17.362	276	52064	5.455	ng	95

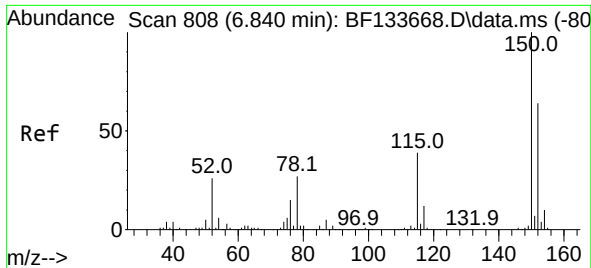
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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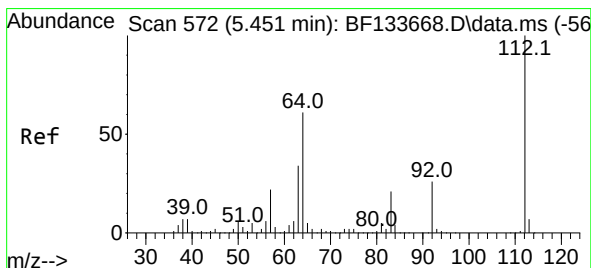
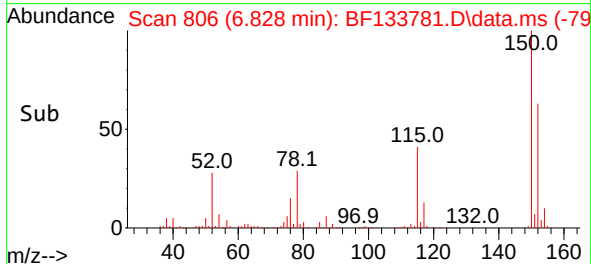
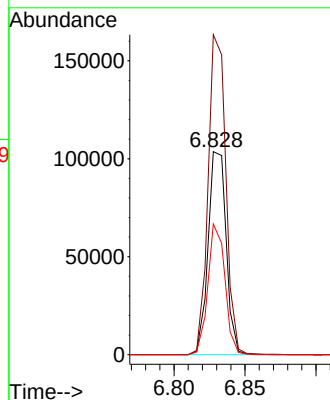
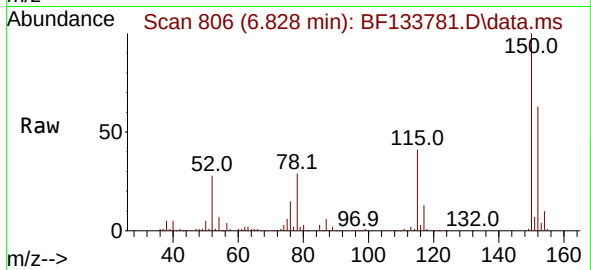




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 808
Delta R.T. -0.006 min
Lab File: BF133781.D
Acq: 15 Jun 2023 18:28

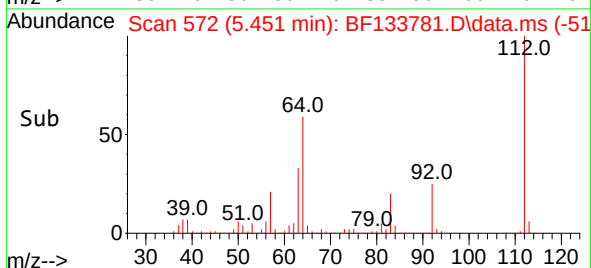
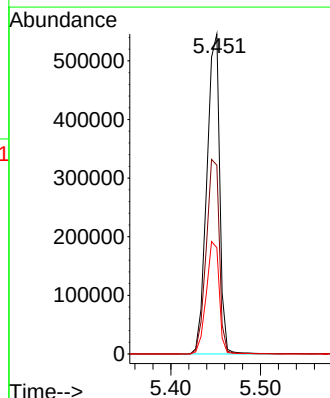
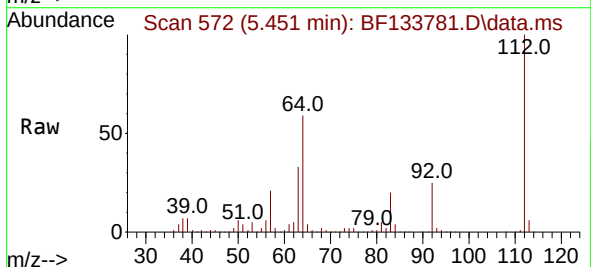
Instrument :
BNA_F
ClientSampleId :
RT-4194

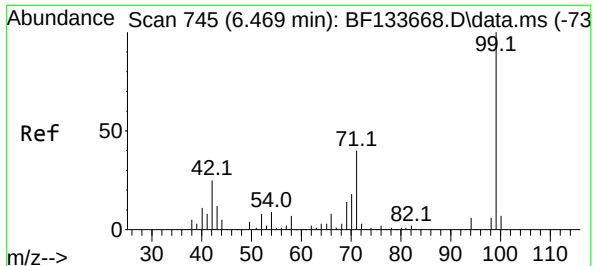
Tgt Ion:152 Resp: 91855
Ion Ratio Lower Upper
152 100
150 157.7 124.3 186.5
115 64.4 48.5 72.7



#5
2-Fluorophenol
Concen: 102.923 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.012 min
Lab File: BF133781.D
Acq: 15 Jun 2023 18:28

Tgt Ion:112 Resp: 543052
Ion Ratio Lower Upper
112 100
64 59.0 49.0 73.4
63 33.2 26.8 40.2

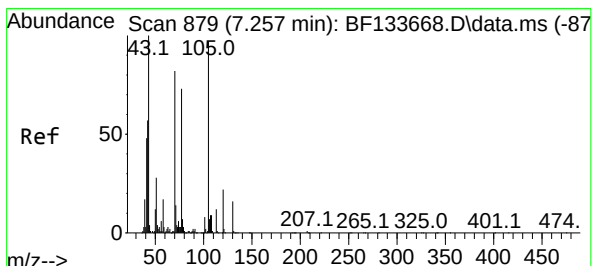
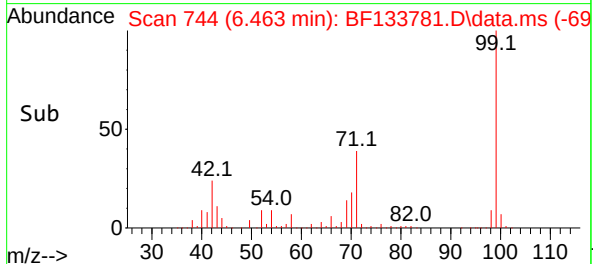
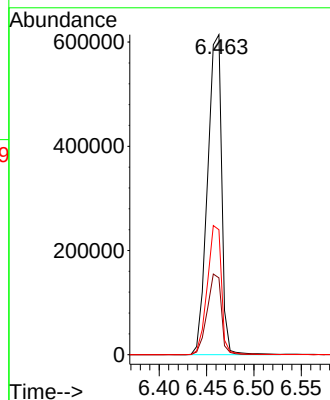
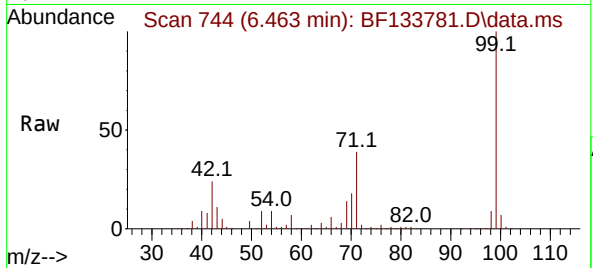




#7
Phenol-d6
Concen: 92.531 ng
RT: 6.463 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF133781.D
Acq: 15 Jun 2023 18:28

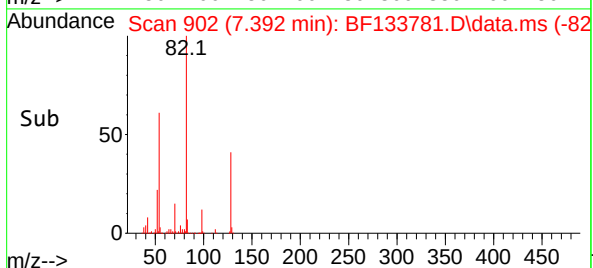
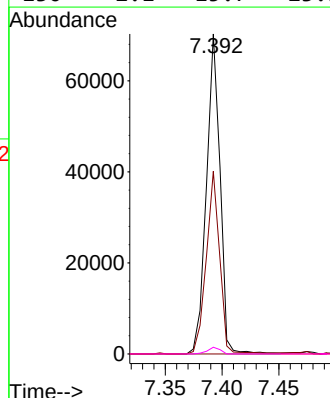
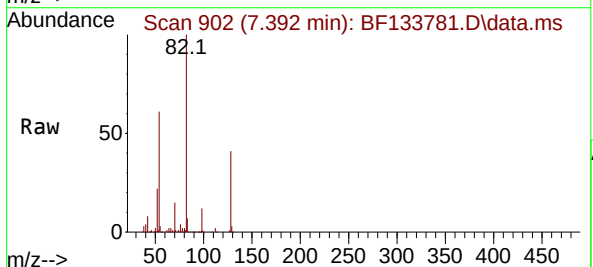
Instrument :
BNA_F
ClientSampleId :
RT-4194

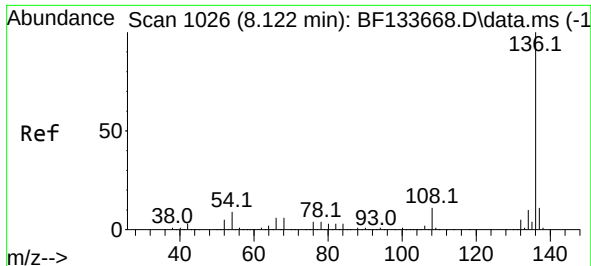
Tgt Ion: 99 Resp: 635500
Ion Ratio Lower Upper
99 100
42 24.0 19.9 29.9
71 39.1 32.2 48.4



#19
n-Nitroso-di-n-propylamine
Concen: 13.379 ng
RT: 7.392 min Scan# 902
Delta R.T. 0.147 min
Lab File: BF133781.D
Acq: 15 Jun 2023 18:28

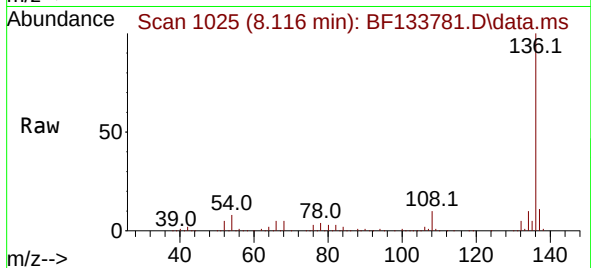
Tgt Ion: 70 Resp: 58464
Ion Ratio Lower Upper
70 100
42 57.1 55.8 83.8
101 0.0 8.1 12.1#
130 2.1 15.7 23.5#



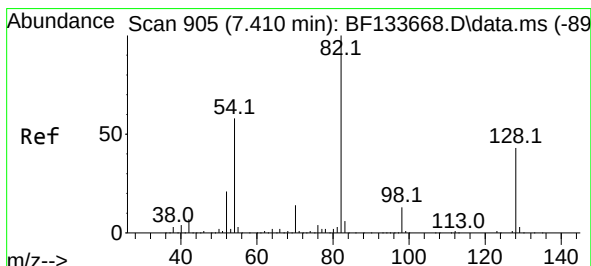
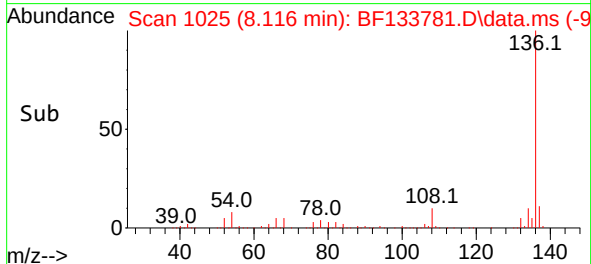
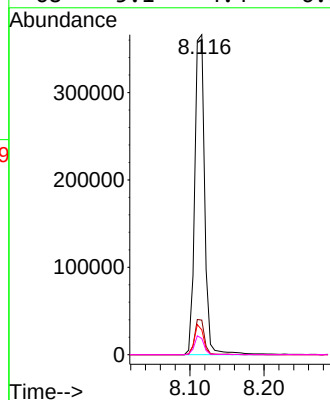


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.000 min
Lab File: BF133781.D
Acq: 15 Jun 2023 18:28

Instrument :
BNA_F
ClientSampleId :
RT-4194

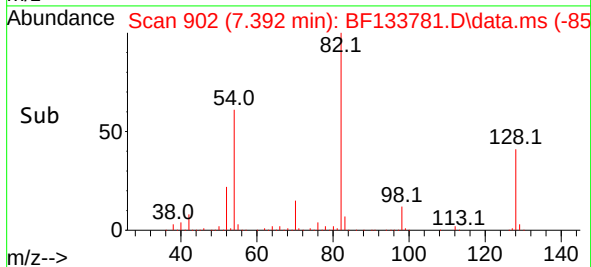
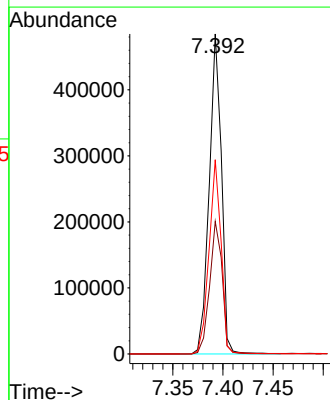
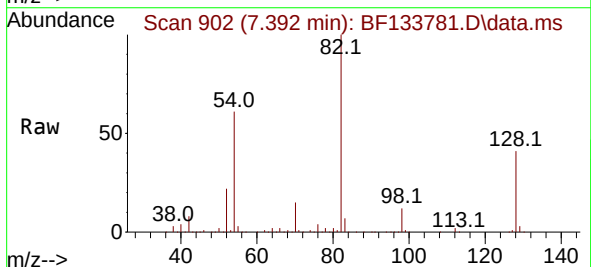


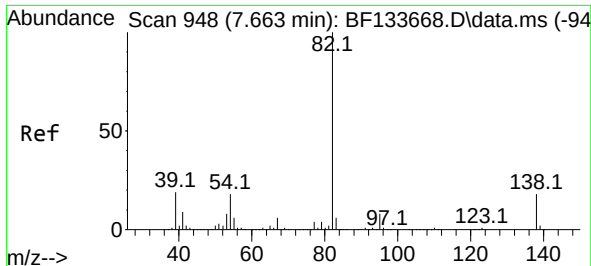
Tgt Ion:136 Resp: 338716
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 7.8 7.4 11.0
68 5.1 4.4 6.6



#23
Nitrobenzene-d5
Concen: 66.437 ng
RT: 7.392 min Scan# 902
Delta R.T. -0.006 min
Lab File: BF133781.D
Acq: 15 Jun 2023 18:28

Tgt Ion: 82 Resp: 413154
Ion Ratio Lower Upper
82 100
128 41.4 34.2 51.2
54 60.7 46.5 69.7

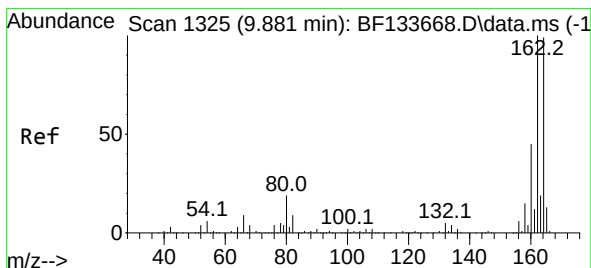
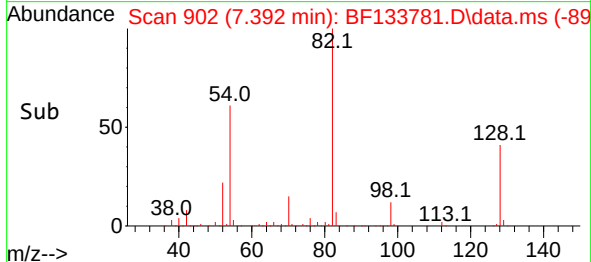
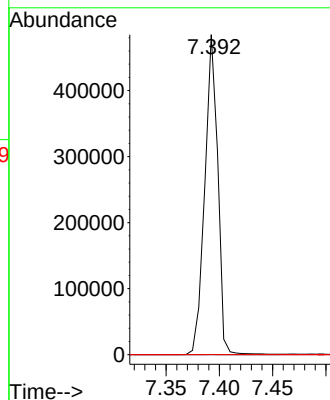
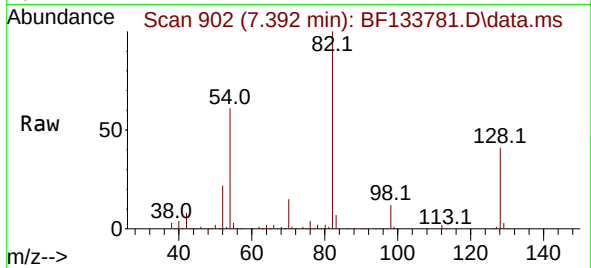




#25
Isophorone
Concen: 36.187 ng
RT: 7.392 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF133781.D
Acq: 15 Jun 2023 18:28

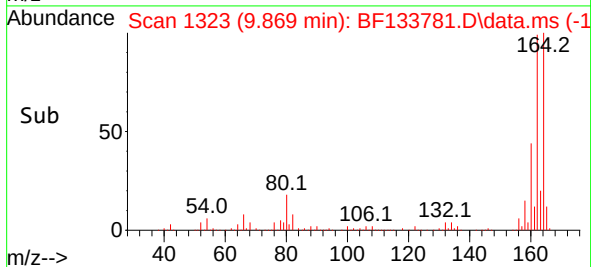
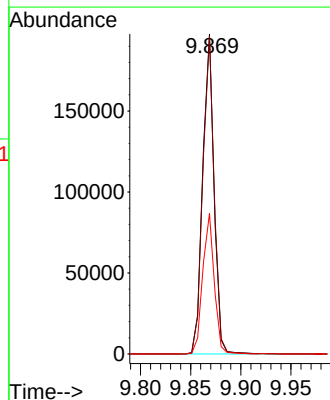
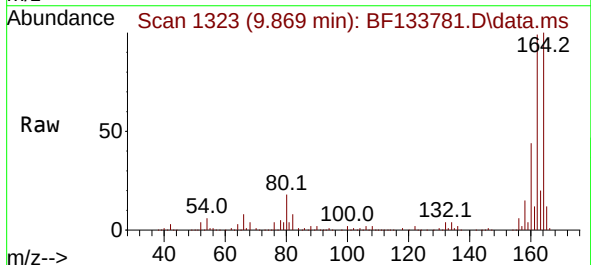
Instrument :
BNA_F
ClientSampleId :
RT-4194

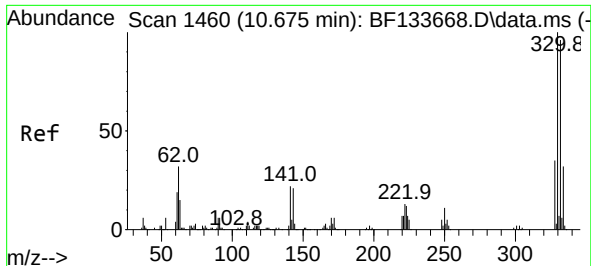
Tgt Ion: 82 Resp: 413150
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BF133781.D
Acq: 15 Jun 2023 18:28

Tgt Ion: 164 Resp: 155818
Ion Ratio Lower Upper
164 100
162 99.4 80.8 121.2
160 43.9 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 94.779 ng

RT: 10.657 min Scan# 1457

Delta R.T. -0.006 min

Lab File: BF133781.D

Acq: 15 Jun 2023 18:28

Instrument :

BNA_F

ClientSampleId :

RT-4194

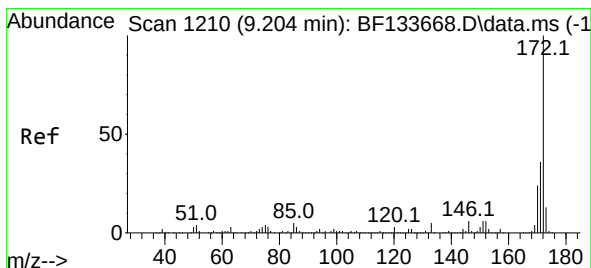
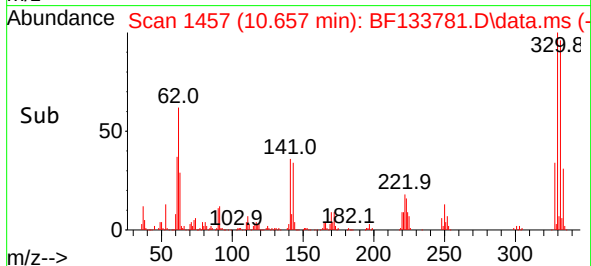
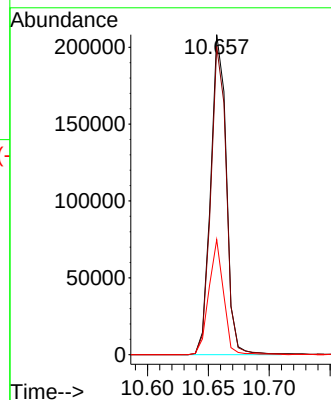
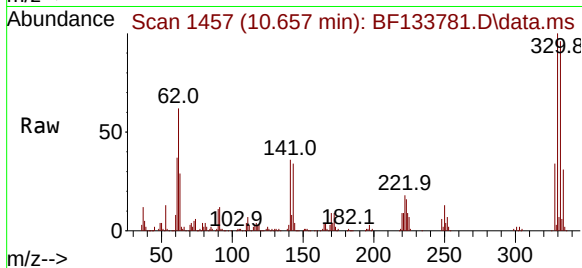
Tgt Ion:330 Resp: 186940

Ion Ratio Lower Upper

330 100

332 96.3 77.2 115.8

141 33.7 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 73.869 ng

RT: 9.192 min Scan# 1208

Delta R.T. -0.000 min

Lab File: BF133781.D

Acq: 15 Jun 2023 18:28

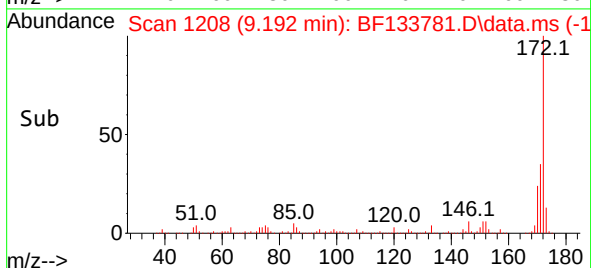
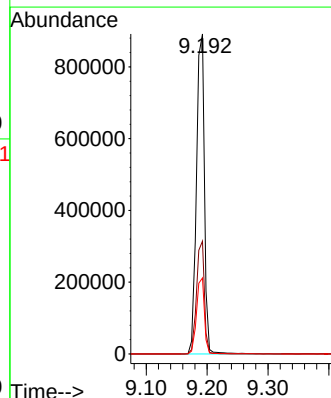
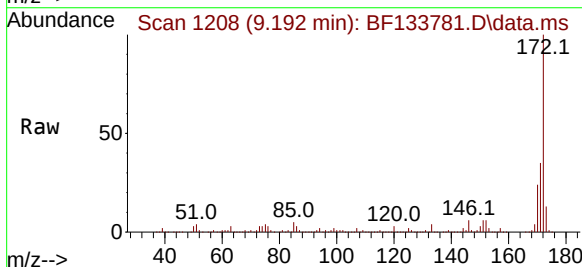
Tgt Ion:172 Resp: 809709

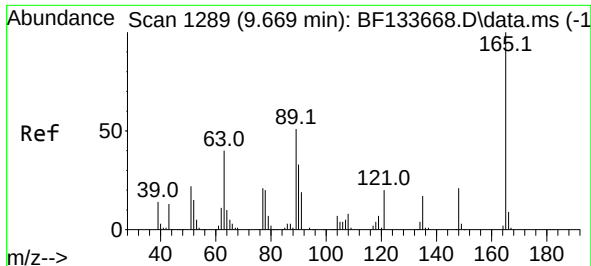
Ion Ratio Lower Upper

172 100

171 35.3 28.6 43.0

170 23.8 19.1 28.7





#51

2,6-Dinitrotoluene

Concen: 8.094 ng

RT: 9.869 min Scan# 1

Delta R.T. 0.212 min

Lab File: BF133781.D

Acq: 15 Jun 2023 18:28

Instrument :

BNA_F

ClientSampleId :

RT-4194

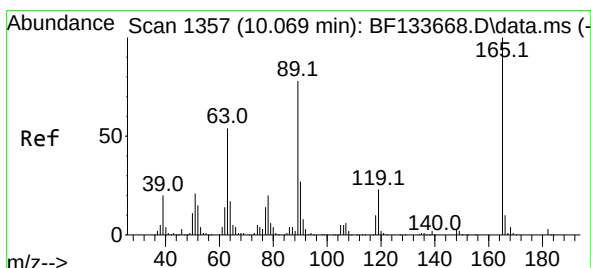
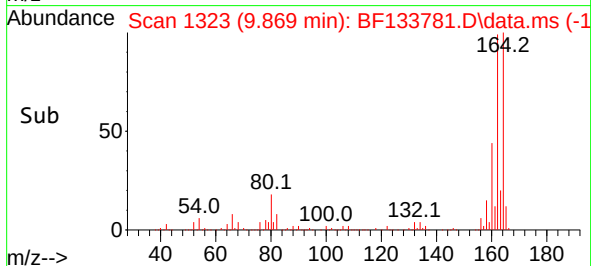
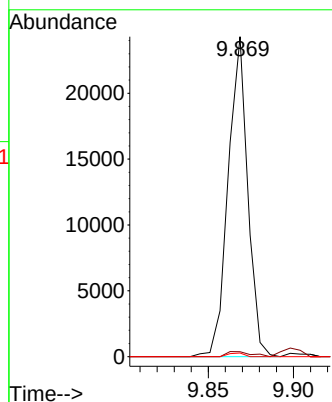
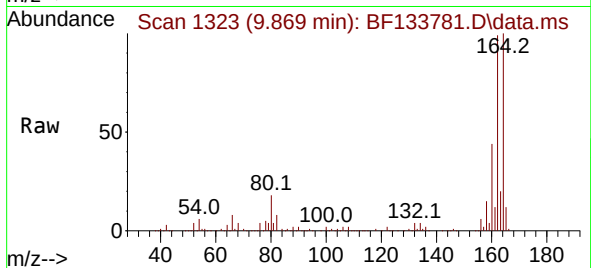
Tgt Ion:165 Resp: 19431

Ion Ratio Lower Upper

165 100

63 1.5 42.1 63.1#

89 1.1 40.9 61.3#



#57

2,4-Dinitrotoluene

Concen: 6.364 ng

RT: 9.869 min Scan# 1323

Delta R.T. -0.194 min

Lab File: BF133781.D

Acq: 15 Jun 2023 18:28

Tgt Ion:165 Resp: 19431

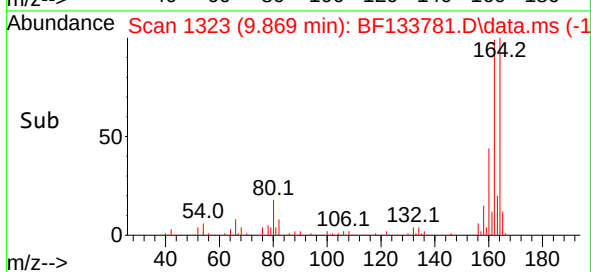
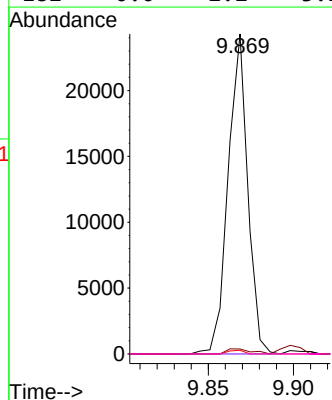
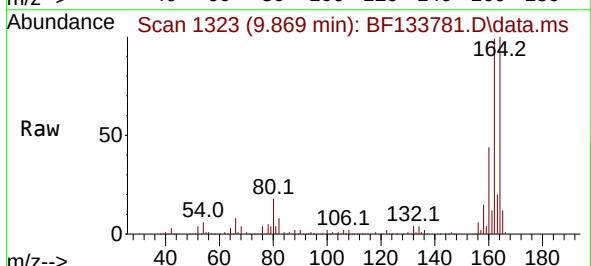
Ion Ratio Lower Upper

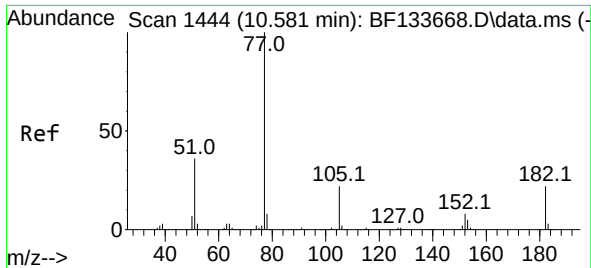
165 100

63 1.5 43.0 64.6#

89 1.1 62.6 93.8#

182 0.0 2.2 3.2#

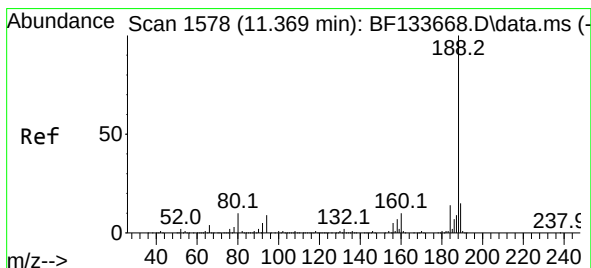
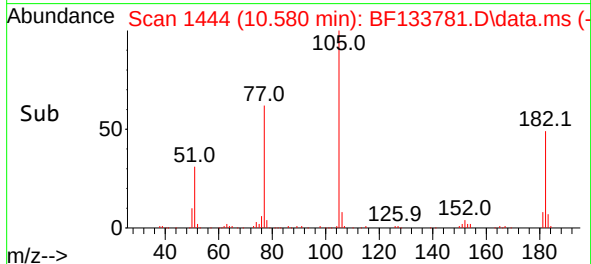
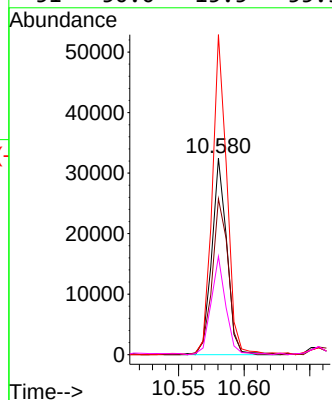
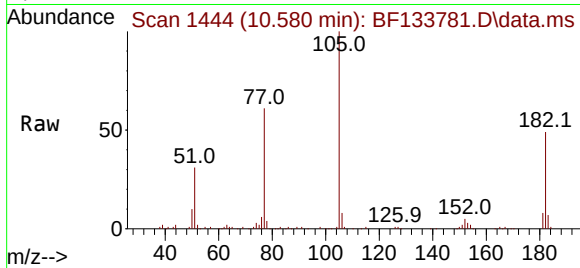




#63
 Azobenzene
 Concen: 2.335 ng
 RT: 10.580 min Scan# 1444
 Delta R.T. 0.006 min
 Lab File: BF133781.D
 Acq: 15 Jun 2023 18:28

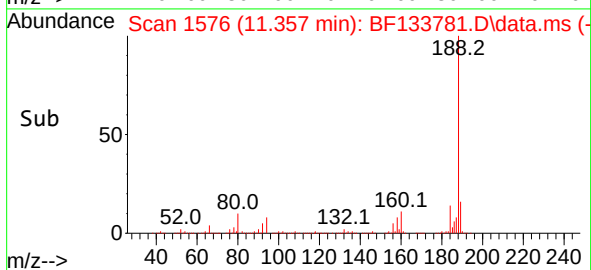
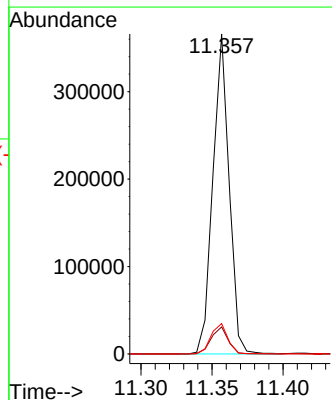
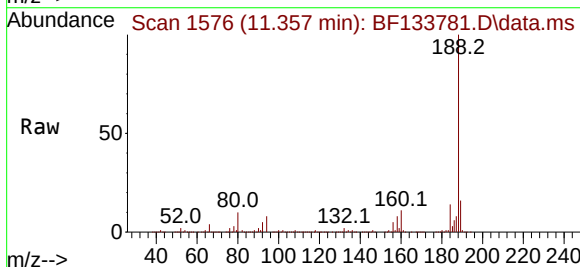
Instrument :
 BNA_F
 ClientSampleId :
 RT-4194

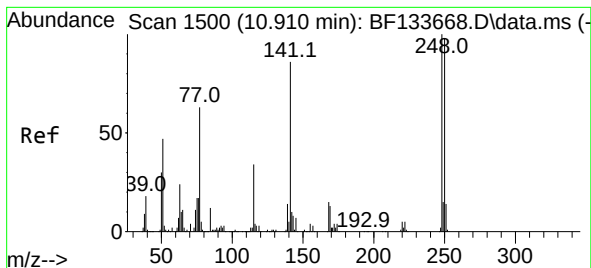
Tgt Ion: 77	Resp: 26165
Ion Ratio	Lower Upper
77 100	
182 79.3	1.6 41.6#
105 162.8	1.6 41.6#
51 50.0	15.5 55.5



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.357 min Scan# 1576
 Delta R.T. -0.000 min
 Lab File: BF133781.D
 Acq: 15 Jun 2023 18:28

Tgt Ion: 188	Resp: 290341
Ion Ratio	Lower Upper
188 100	
94 8.5	6.8 10.2
80 9.5	7.8 11.6

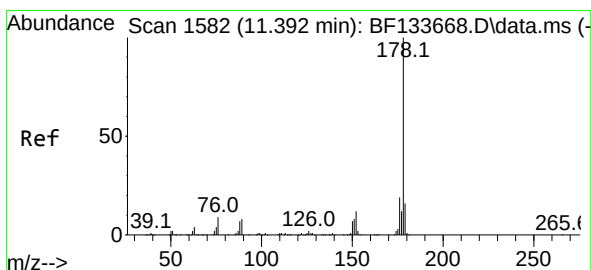
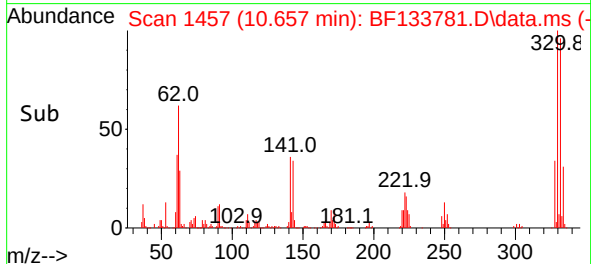
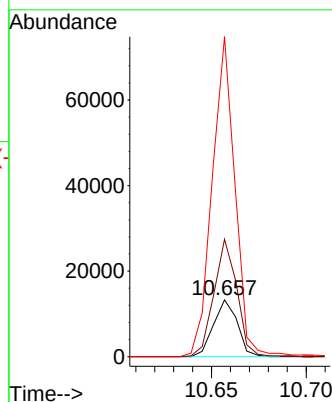
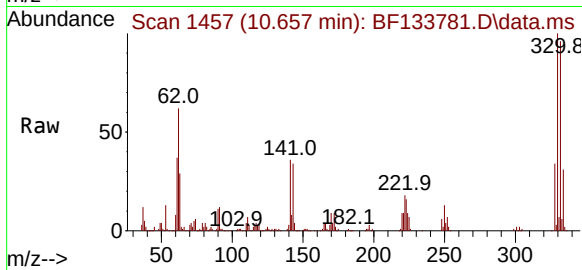




#67
4-Bromophenyl-phenylether
Concen: 3.588 ng
RT: 10.657 min Scan# 1457
Delta R.T. -0.247 min
Lab File: BF133781.D
Acq: 15 Jun 2023 18:28

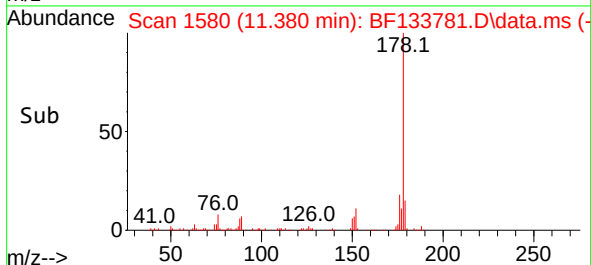
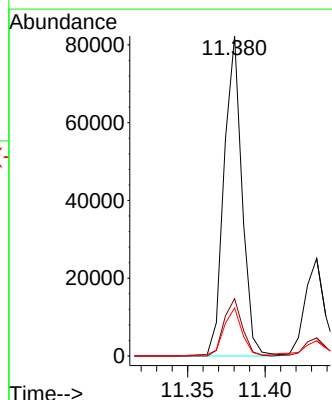
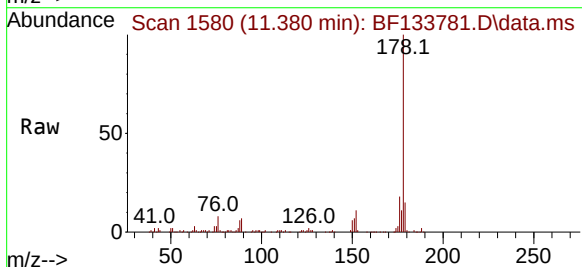
Instrument :
BNA_F
ClientSampleId :
RT-4194

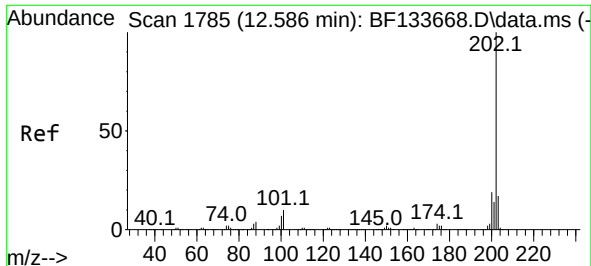
Tgt Ion:248 Resp: 11627
Ion Ratio Lower Upper
248 100
250 206.7 78.3 117.5#
141 563.4 69.0 103.6#



#71
Phenanthrene
Concen: 4.494 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF133781.D
Acq: 15 Jun 2023 18:28

Tgt Ion:178 Resp: 66206
Ion Ratio Lower Upper
178 100
176 17.9 15.6 23.4
179 15.0 12.4 18.6

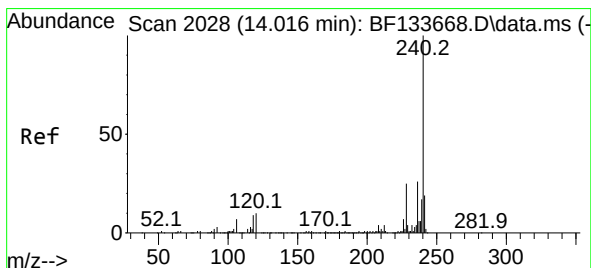
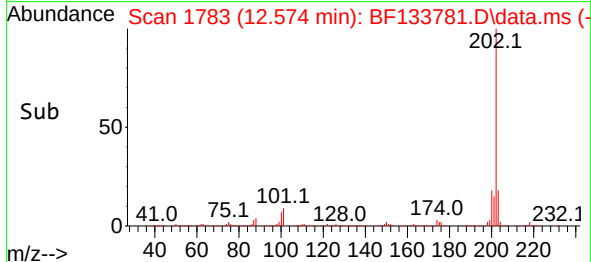
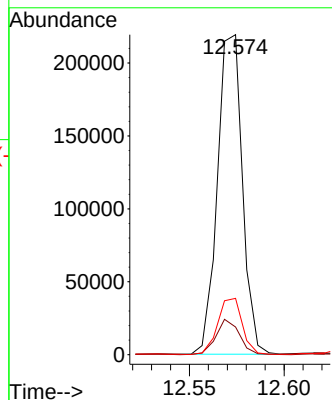
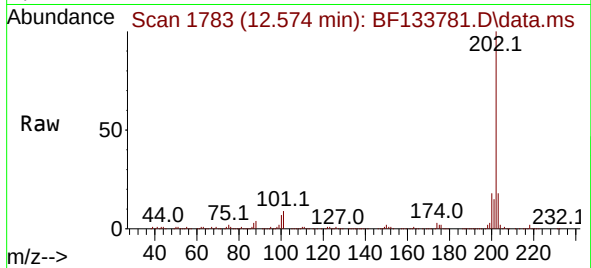




#75
Fluoranthene
Concen: 12.858 ng
RT: 12.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF133781.D
Acq: 15 Jun 2023 18:28

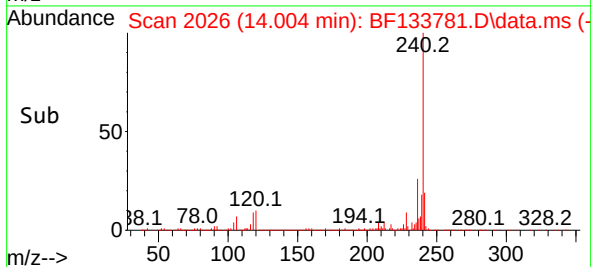
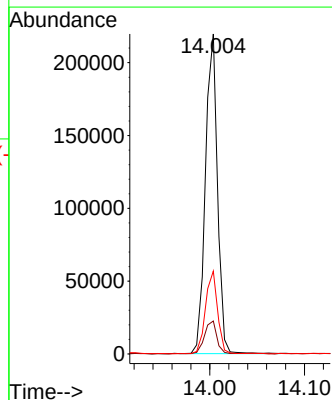
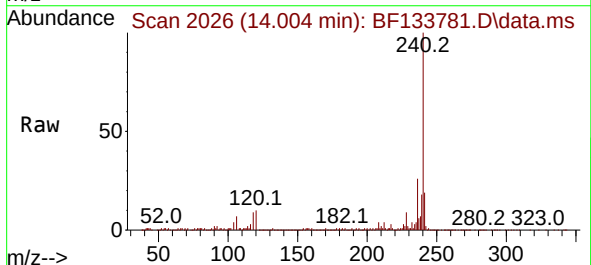
Instrument :
BNA_F
ClientSampleId :
RT-4194

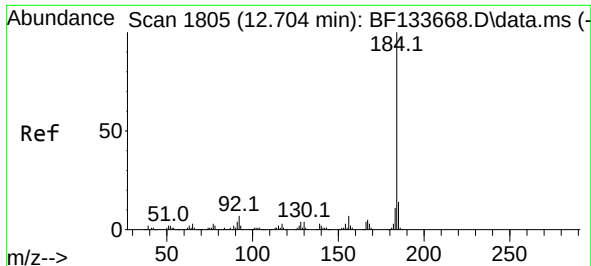
Tgt Ion:202 Resp: 201128
Ion Ratio Lower Upper
202 100
101 8.7 0.0 29.6
203 17.6 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF133781.D
Acq: 15 Jun 2023 18:28

Tgt Ion:240 Resp: 193985
Ion Ratio Lower Upper
240 100
120 10.3 8.1 12.1
236 25.9 20.5 30.7





#77

Benzidine

Concen: 2.016 ng

RT: 12.945 min Scan# 1846

Delta R.T. 0.253 min

Lab File: BF133781.D

Acq: 15 Jun 2023 18:28

Instrument :

BNA_F

ClientSampleId :

RT-4194

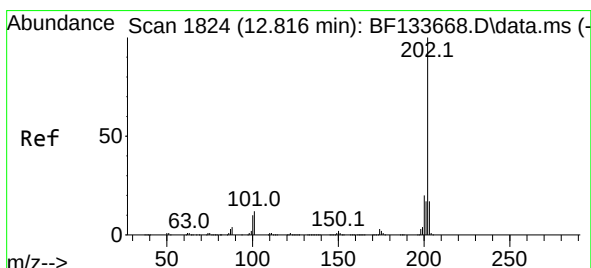
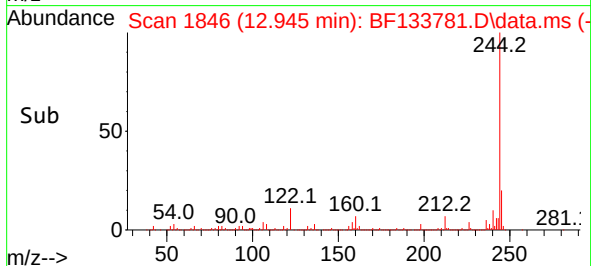
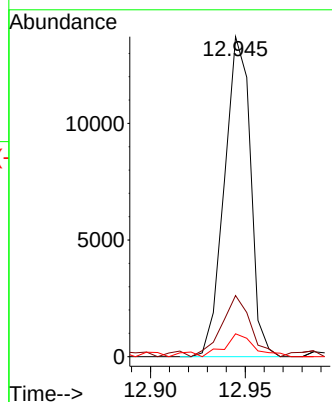
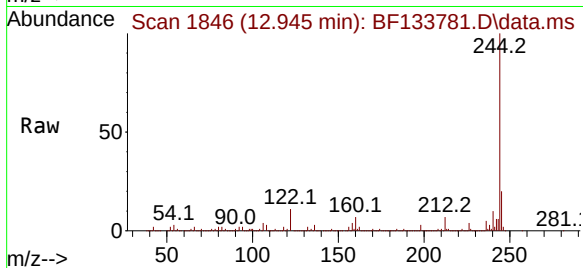
Tgt Ion:184 Resp: 13125

Ion Ratio Lower Upper

184 100

185 19.1 11.6 17.4#

183 7.1 8.4 12.6#



#78

Pyrene

Concen: 11.129 ng

RT: 12.804 min Scan# 1822

Delta R.T. -0.000 min

Lab File: BF133781.D

Acq: 15 Jun 2023 18:28

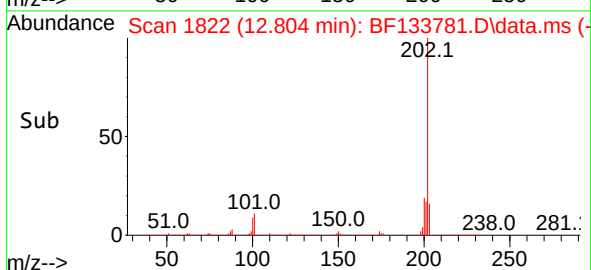
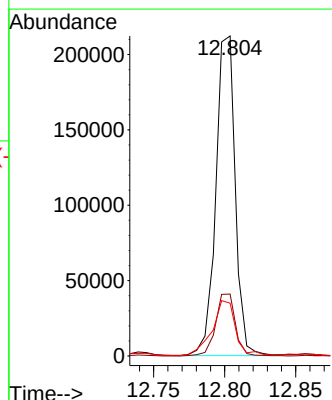
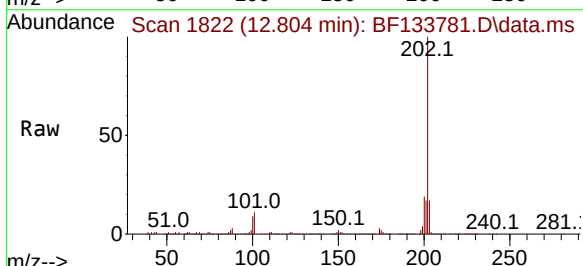
Tgt Ion:202 Resp: 201104

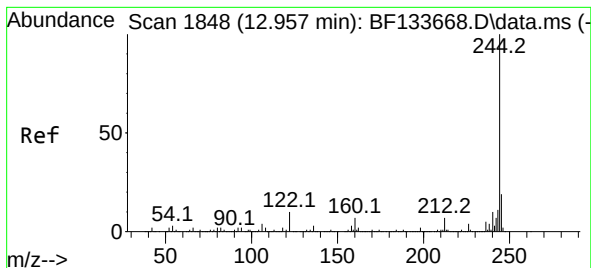
Ion Ratio Lower Upper

202 100

200 19.3 16.2 24.2

203 16.5 13.9 20.9





#79

Terphenyl-d14

Concen: 74.292 ng

RT: 12.945 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF133781.D

Acq: 15 Jun 2023 18:28

Instrument :

BNA_F

ClientSampleId :

RT-4194

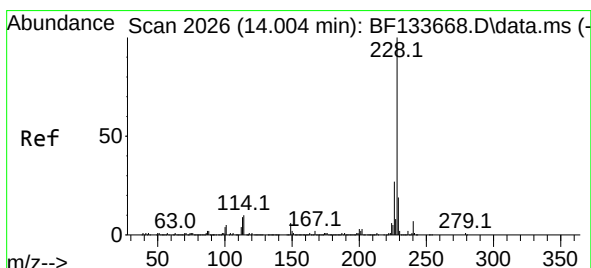
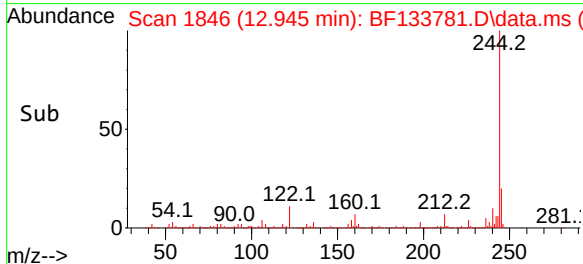
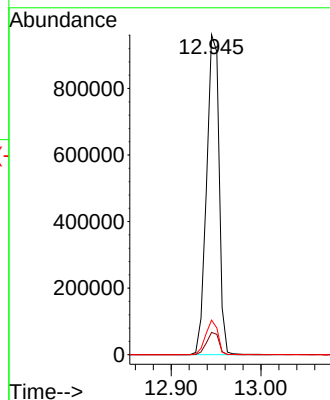
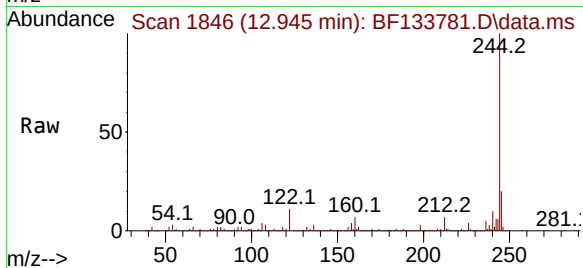
Tgt Ion:244 Resp: 931372

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.2

122 10.8 8.1 12.1



#81

Benzo(a)anthracene

Concen: 6.887 ng

RT: 13.992 min Scan# 2024

Delta R.T. -0.000 min

Lab File: BF133781.D

Acq: 15 Jun 2023 18:28

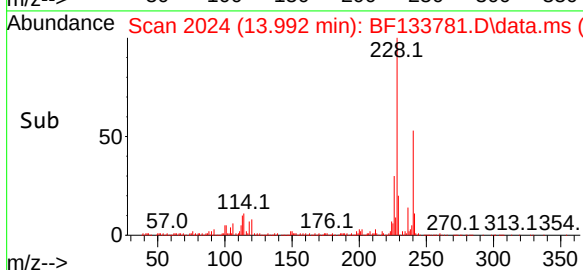
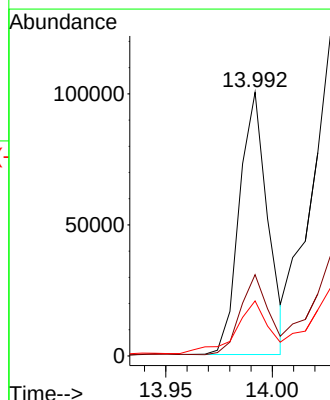
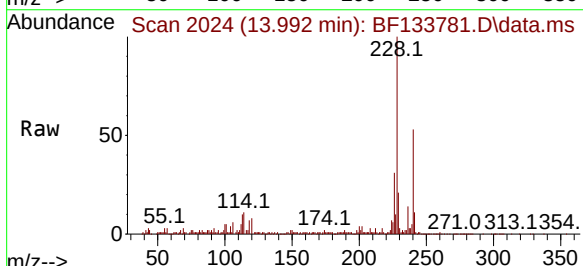
Tgt Ion:228 Resp: 92406

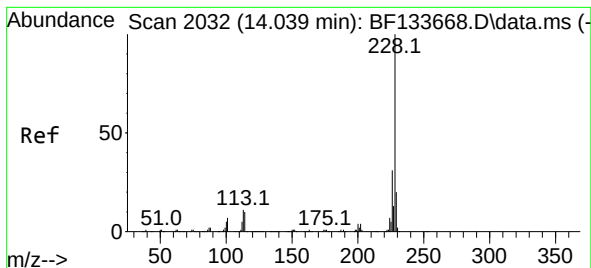
Ion Ratio Lower Upper

228 100

226 30.8 21.7 32.5

229 20.8 15.4 23.2





#83

Chrysene

Concen: 9.659 ng

RT: 14.027 min Scan# 2032

Delta R.T. -0.000 min

Lab File: BF133781.D

Acq: 15 Jun 2023 18:28

Instrument :

BNA_F

ClientSampleId :

RT-4194

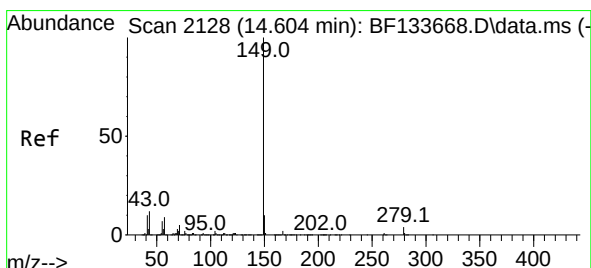
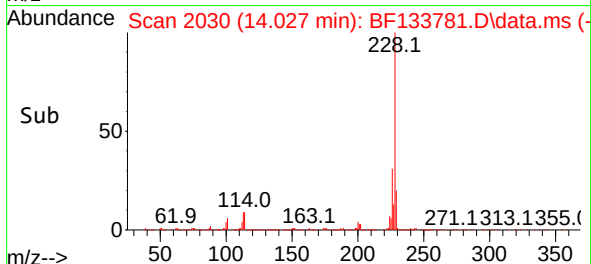
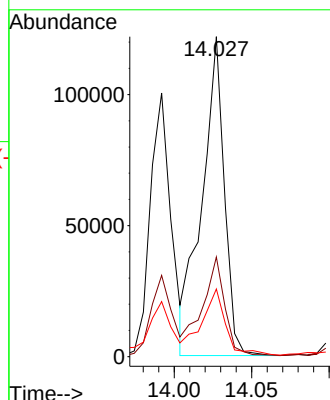
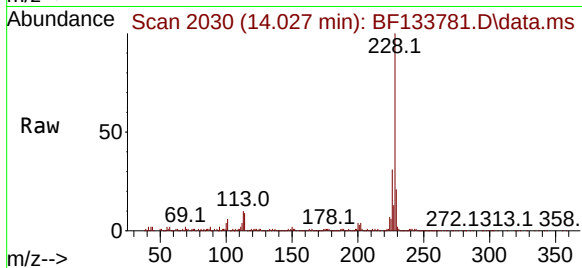
Tgt Ion:228 Resp: 122583

Ion Ratio Lower Upper

228 100

226 31.2 25.0 37.6

229 21.2 15.8 23.8



#85

Di-n-octyl phthalate

Concen: 3.004 ng

RT: 14.592 min Scan# 2126

Delta R.T. -0.006 min

Lab File: BF133781.D

Acq: 15 Jun 2023 18:28

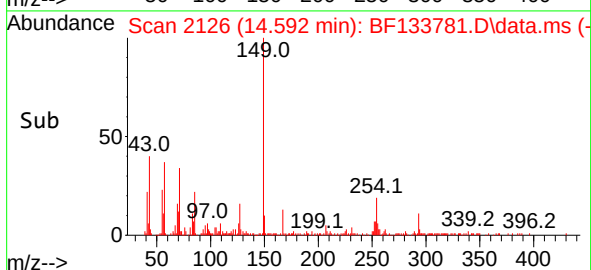
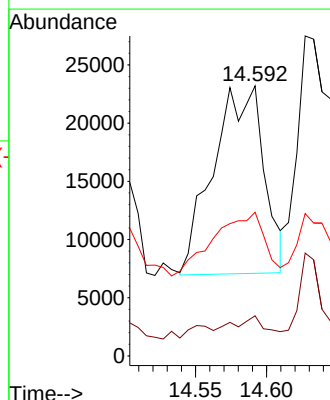
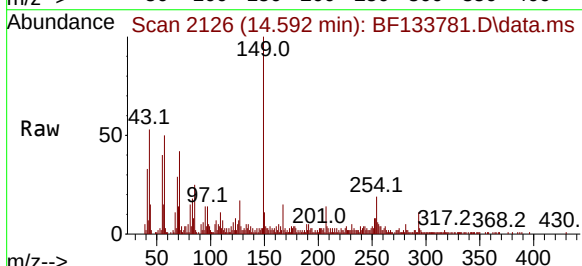
Tgt Ion:149 Resp: 40093

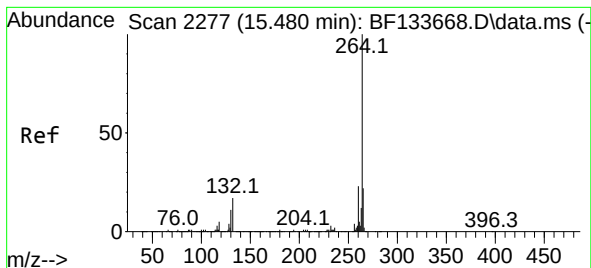
Ion Ratio Lower Upper

149 100

167 0.0 1.4 2.0#

43 44.4 8.7 13.1#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.462 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF133781.D

Acq: 15 Jun 2023 18:28

Instrument :

BNA_F

ClientSampleId :

RT-4194

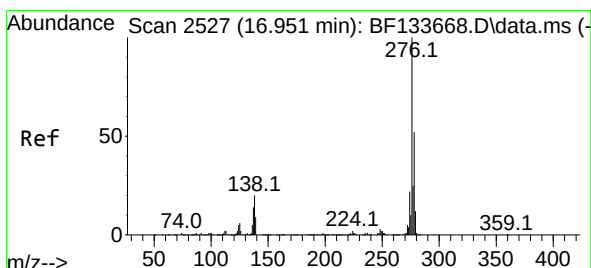
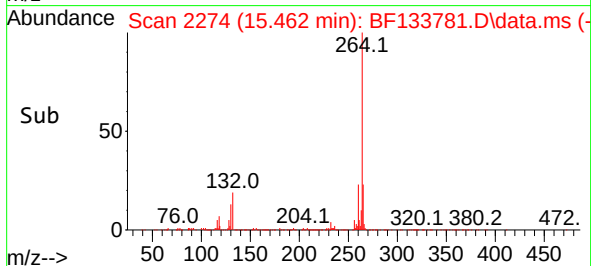
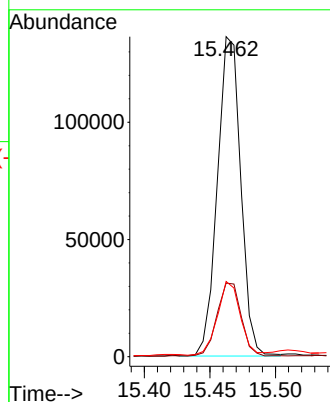
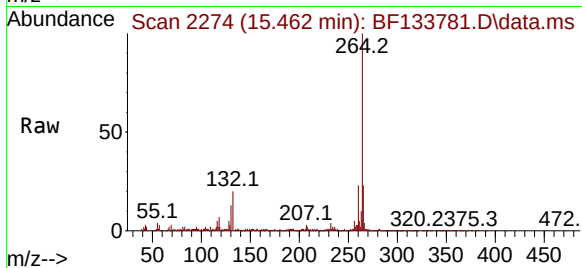
Tgt Ion:264 Resp: 168997

Ion Ratio Lower Upper

264 100

260 23.0 18.2 27.2

265 23.5 17.8 26.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.554 ng

RT: 16.921 min Scan# 2522

Delta R.T. -0.006 min

Lab File: BF133781.D

Acq: 15 Jun 2023 18:28

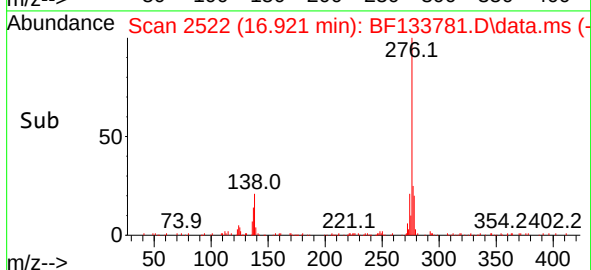
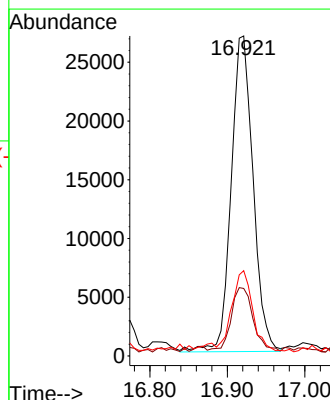
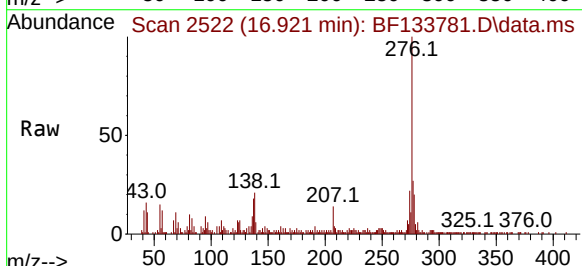
Tgt Ion:276 Resp: 52952

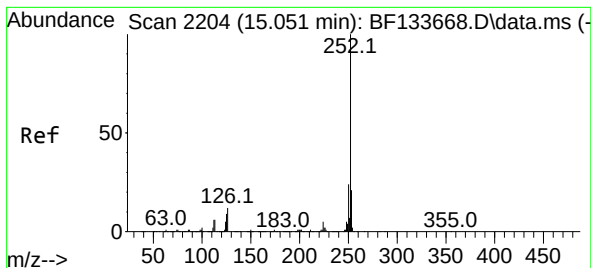
Ion Ratio Lower Upper

276 100

138 20.5 17.9 26.9

277 25.2 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 20.093 ng

RT: 15.039 min Scan# 2202

Delta R.T. -0.000 min

Lab File: BF133781.D

Acq: 15 Jun 2023 18:28

Instrument :

BNA_F

ClientSampleId :

RT-4194

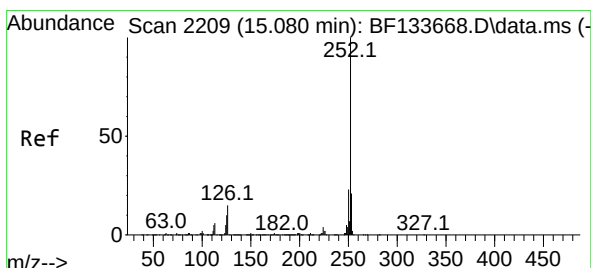
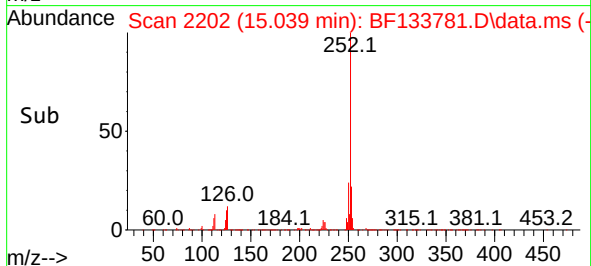
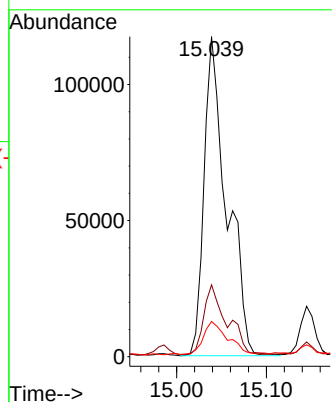
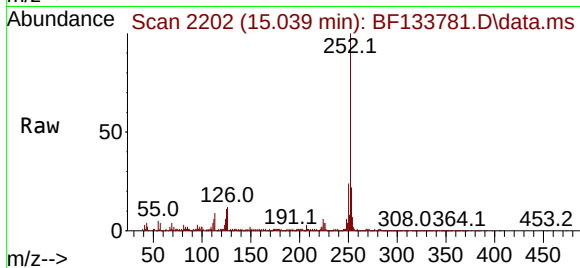
Tgt Ion:252 Resp: 206268

Ion Ratio Lower Upper

252 100

253 22.5 17.0 25.6

125 11.0 7.3 10.9#



#89

Benzo(k)fluoranthene

Concen: 20.627 ng

RT: 15.039 min Scan# 2202

Delta R.T. -0.030 min

Lab File: BF133781.D

Acq: 15 Jun 2023 18:28

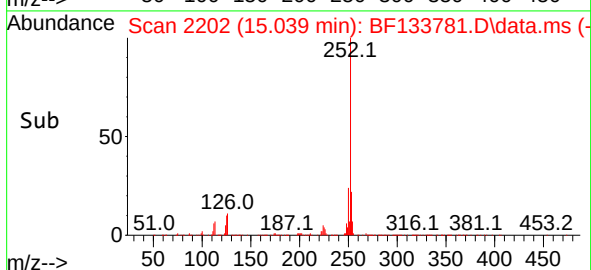
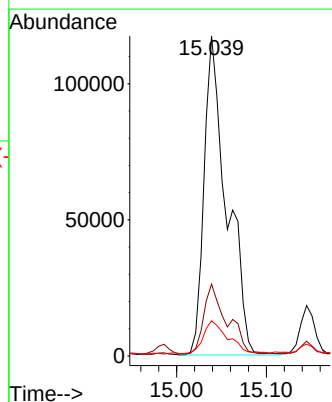
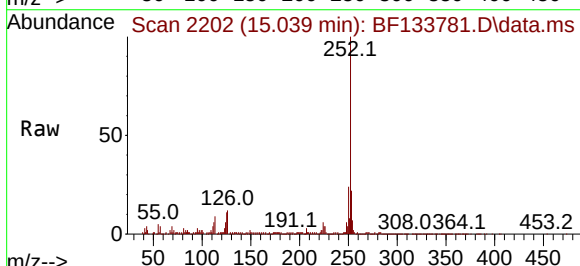
Tgt Ion:252 Resp: 206268

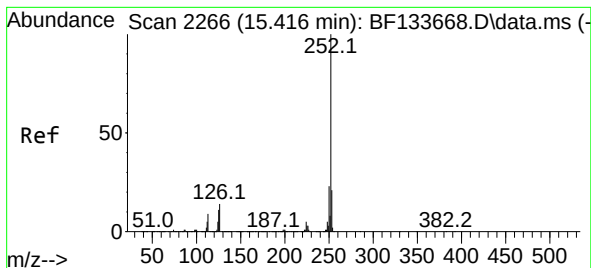
Ion Ratio Lower Upper

252 100

253 22.5 17.0 25.4

125 11.0 7.8 11.6





#90

Benzo(a)pyrene

Concen: 9.772 ng

RT: 15.404 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF133781.D

Acq: 15 Jun 2023 18:28

Instrument :

BNA_F

ClientSampleId :

RT-4194

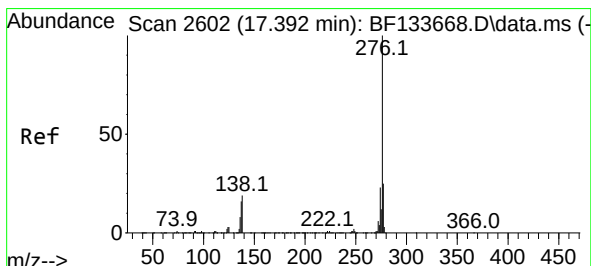
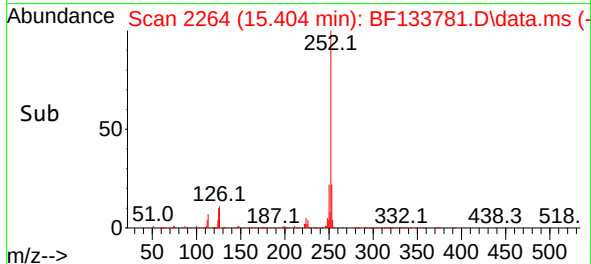
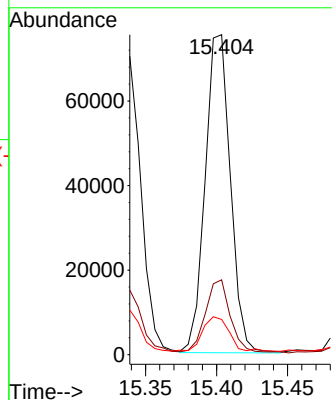
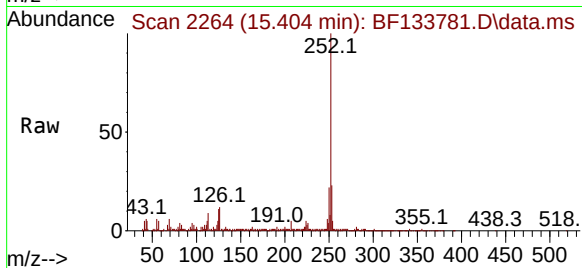
Tgt Ion:252 Resp: 93102

Ion Ratio Lower Upper

252 100

253 23.4 17.1 25.7

125 11.0 8.6 13.0



#92

Benzo(g,h,i)perylene

Concen: 5.455 ng

RT: 17.362 min Scan# 2597

Delta R.T. -0.006 min

Lab File: BF133781.D

Acq: 15 Jun 2023 18:28

Tgt Ion:276 Resp: 52064

Ion Ratio Lower Upper

276 100

277 22.0 19.8 29.8

138 20.3 15.0 22.4

