

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031424\
 Data File : BF137604.D
 Acq On : 14 Mar 2024 21:53
 Operator : CG\JU
 Sample : P1746-15
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-05-0-2.0

Quant Time: Mar 15 02:04:26 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 14 14:45:20 2024
 Response via : Initial Calibration

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

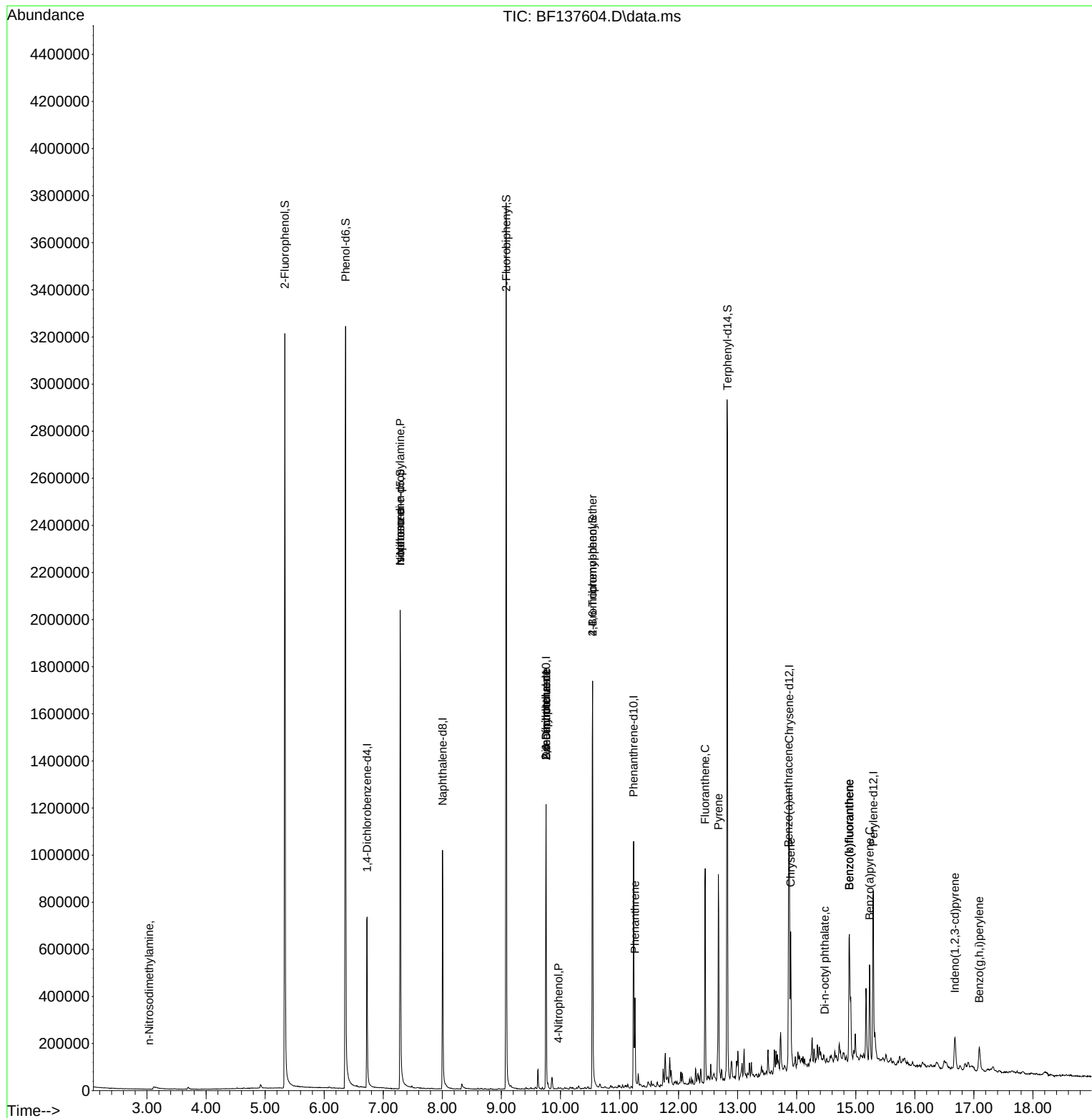
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	121956	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	457638	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	230551	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	357828	20.000	ng	0.00
76) Chrysene-d12	13.874	240	312194	20.000	ng	0.00
86) Perylene-d12	15.298	264	331750	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	901106	111.906	ng	0.00
7) Phenol-d6	6.363	99	1205104	103.680	ng	0.00
23) Nitrobenzene-d5	7.287	82	724674	73.576	ng	-0.01
42) 2,4,6-Tribromophenol	10.545	330	202854	100.193	ng	0.00
45) 2-Fluorobiphenyl	9.081	172	1107886	75.222	ng	0.00
79) Terphenyl-d14	12.827	244	1048455	46.181	ng	0.00
Target Compounds						
						Qvalue
4) n-Nitrosodimethylamine	3.040	42	146	3.840	ng	# 1
19) n-Nitroso-di-n-propyla...	7.287	70	90876	12.661	ng	# 82
25) Isophorone	7.287	82	724674	38.728	ng	# 69
50) Dimethylphthalate	9.757	163	35748	2.227	ng	# 1
51) 2,6-Dinitrotoluene	9.757	165	31001	9.235	ng	# 21
56) 4-Nitrophenol	9.969	139	962	4.886	ng	# 5
57) 2,4-Dinitrotoluene	9.757	165	31001	7.517	ng	# 21
67) 4-Bromophenyl-phenylether	10.545	248	13786	3.537	ng	# 1
71) Phenanthrene	11.263	178	131014	6.728	ng	99
75) Fluoranthene	12.451	202	377376	19.825	ng	96
78) Pyrene	12.674	202	341016	11.132	ng	99
81) Benzo(a)anthracene	13.863	228	214429	9.800	ng	94
83) Chrysene	13.898	228	215723	9.754	ng	97
85) Di-n-octyl phthalate	14.474	149	1081	5.657	ng	# 27
87) Indeno(1,2,3-cd)pyrene	16.680	276	91217	4.178	ng	92
88) Benzo(b)fluoranthene	14.892	252	390317	19.889	ng	99
89) Benzo(k)fluoranthene	14.892	252	390317	18.517	ng	99
90) Benzo(a)pyrene	15.233	252	184529	9.542	ng	99
92) Benzo(g,h,i)perylene	17.092	276	77559	4.264	ng	96

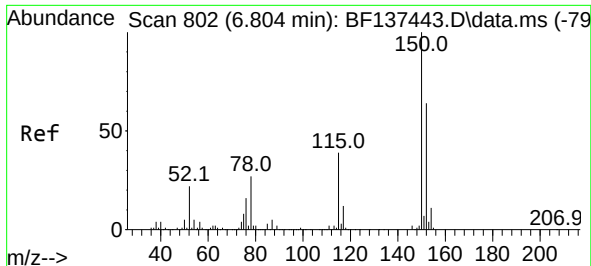
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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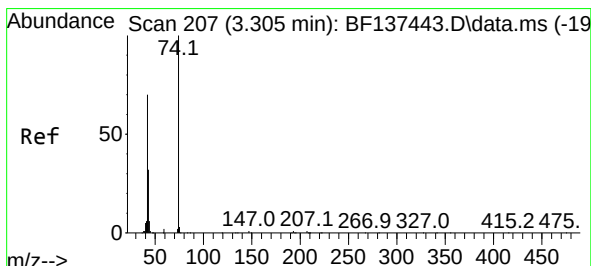
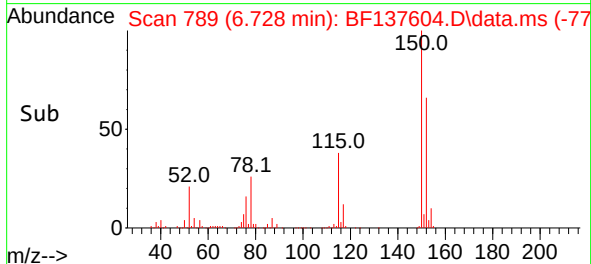
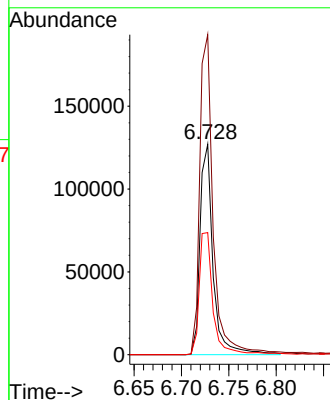
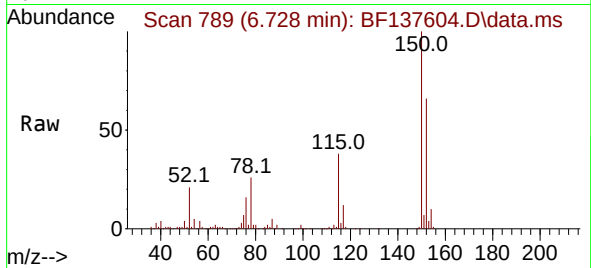




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF137604.D
Acq: 14 Mar 2024 21:53

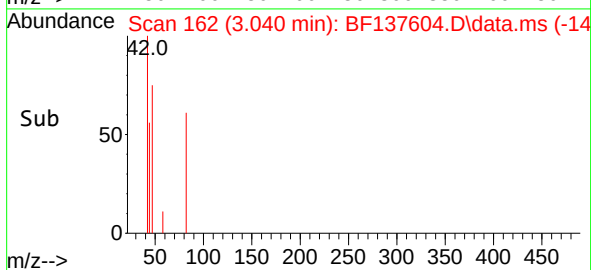
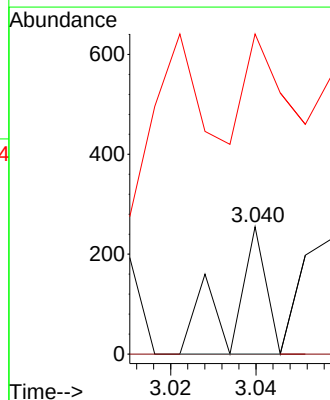
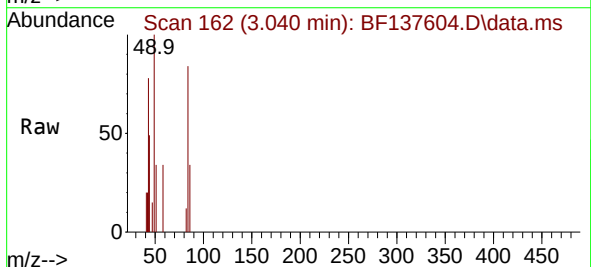
Instrument :
BNA_F
ClientSampleId :
SB-05-0-2.0

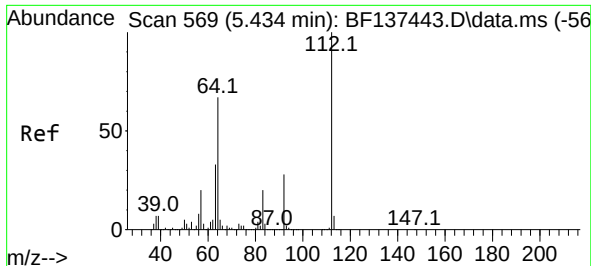
Tgt Ion:152 Resp: 121956
Ion Ratio Lower Upper
152 100
150 152.1 125.8 188.6
115 58.0 48.8 73.2



#4
n-Nitrosodimethylamine
Concen: 3.840 ng
RT: 3.040 min Scan# 162
Delta R.T. -0.000 min
Lab File: BF137604.D
Acq: 14 Mar 2024 21:53

Tgt Ion: 42 Resp: 146
Ion Ratio Lower Upper
42 100
74 0.0 114.0 171.0#
44 251.4 7.0 10.4#

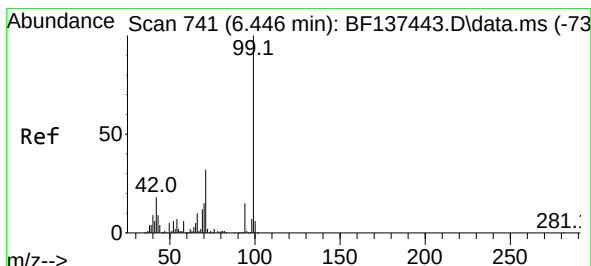
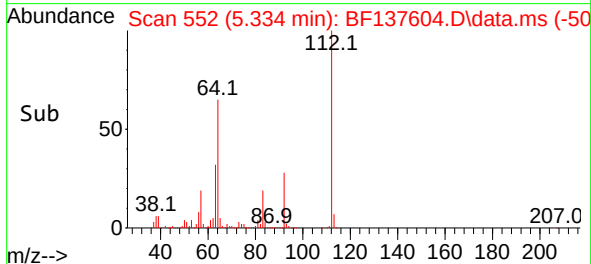
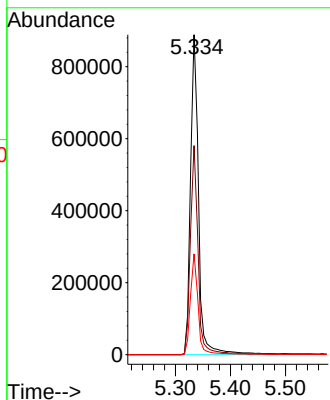
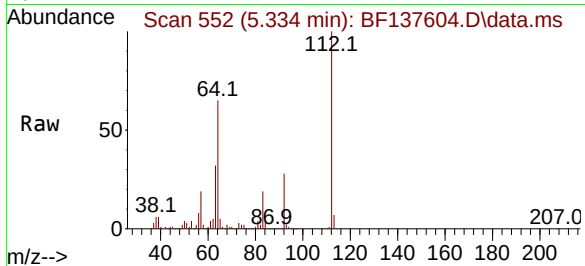




#5
2-Fluorophenol
Concen: 111.906 ng
RT: 5.334 min Scan# 51
Delta R.T. -0.000 min
Lab File: BF137604.D
Acq: 14 Mar 2024 21:53

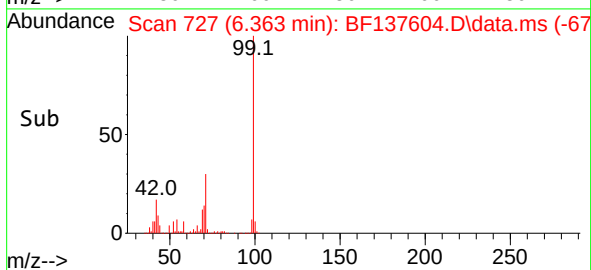
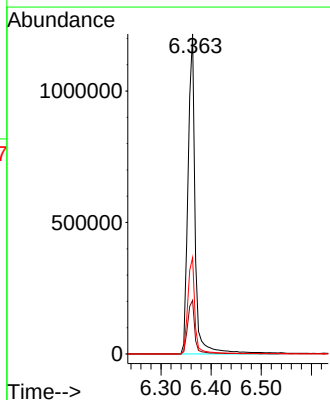
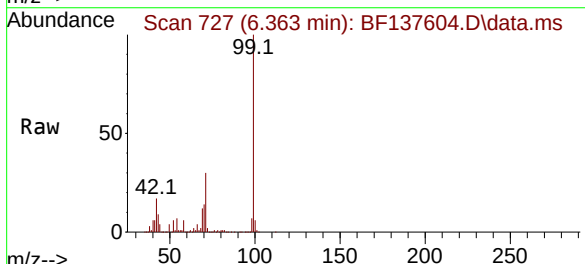
Instrument :
BNA_F
ClientSampleId :
SB-05-0-2.0

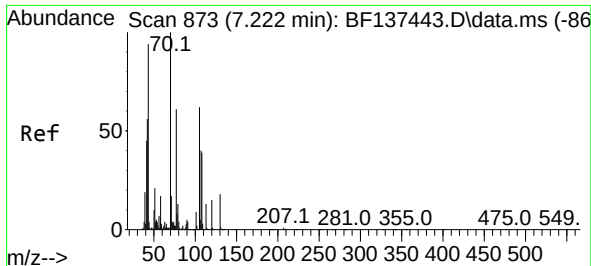
Tgt Ion:112 Resp: 901106
Ion Ratio Lower Upper
112 100
64 65.3 53.4 80.2
63 31.5 26.2 39.2



#7
Phenol-d6
Concen: 103.680 ng
RT: 6.363 min Scan# 727
Delta R.T. -0.006 min
Lab File: BF137604.D
Acq: 14 Mar 2024 21:53

Tgt Ion: 99 Resp: 1205104
Ion Ratio Lower Upper
99 100
42 16.7 14.6 21.8
71 30.1 25.3 37.9

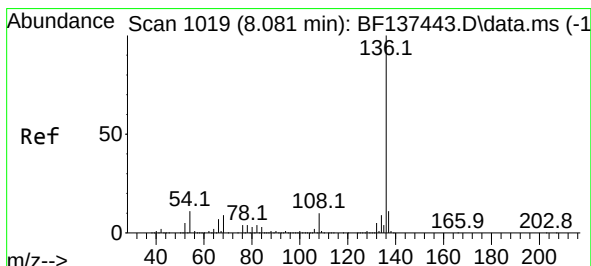
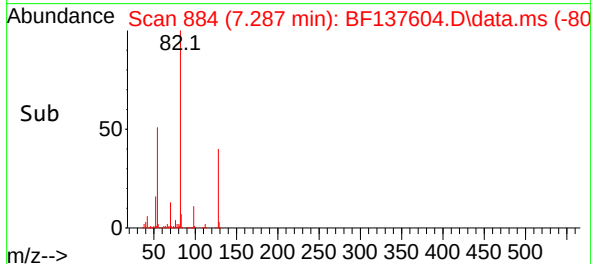
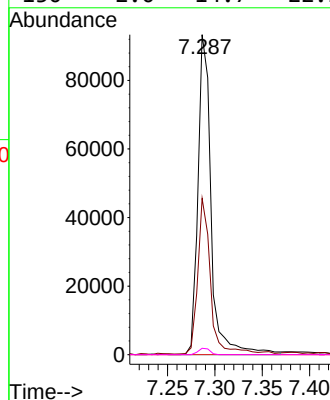
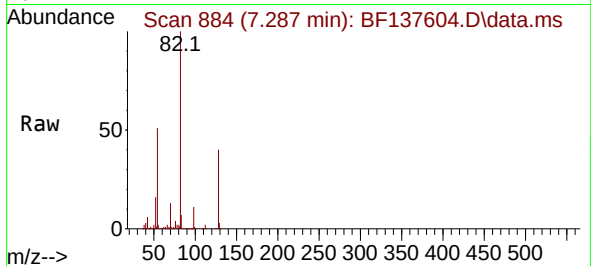




#19
n-Nitroso-di-n-propylamine
Concen: 12.661 ng
RT: 7.287 min Scan# 81
Delta R.T. 0.141 min
Lab File: BF137604.D
Acq: 14 Mar 2024 21:53

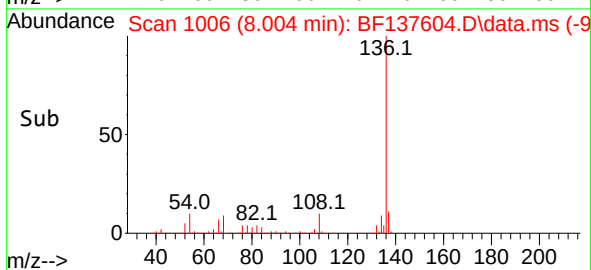
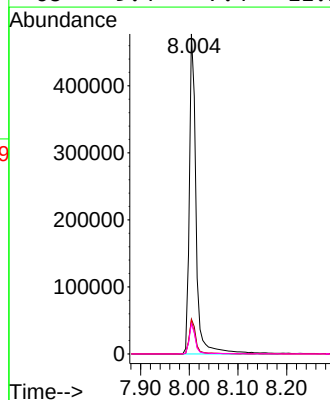
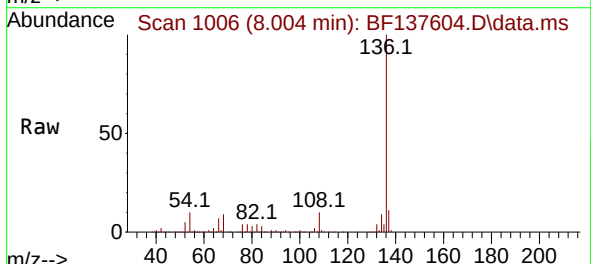
Instrument :
BNA_F
ClientSampleId :
SB-05-0-2.0

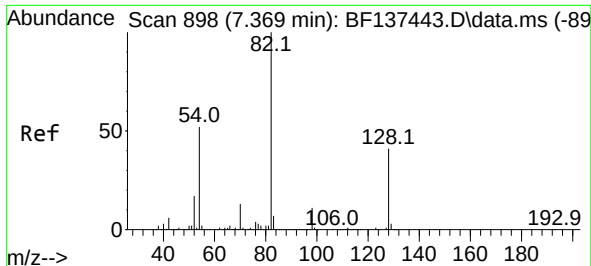
Tgt Ion:	70	Resp:	90876
Ion	Ratio	Lower	Upper
70	100		
42	48.8	45.2	67.8
101	0.0	7.3	10.9#
130	2.0	14.7	22.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF137604.D
Acq: 14 Mar 2024 21:53

Tgt Ion:	136	Resp:	457638
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	10.4	8.5	12.7
68	9.4	7.4	11.2

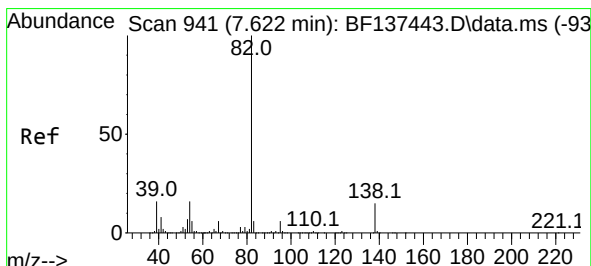
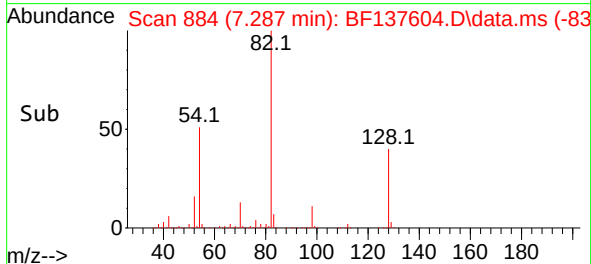
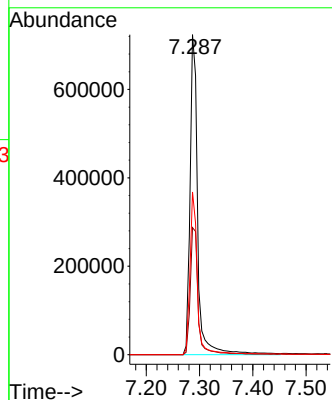
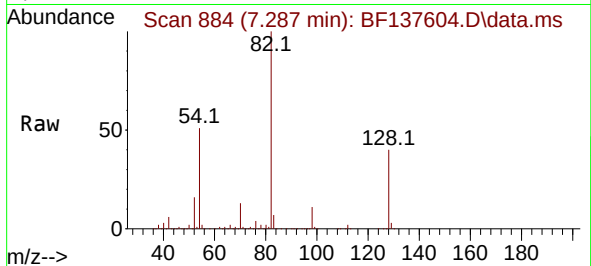




#23
Nitrobenzene-d5
Concen: 73.576 ng
RT: 7.287 min Scan# 884
Delta R.T. -0.012 min
Lab File: BF137604.D
Acq: 14 Mar 2024 21:53

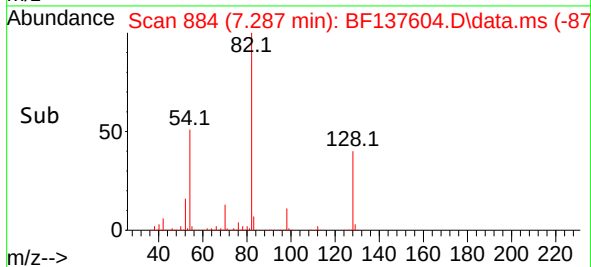
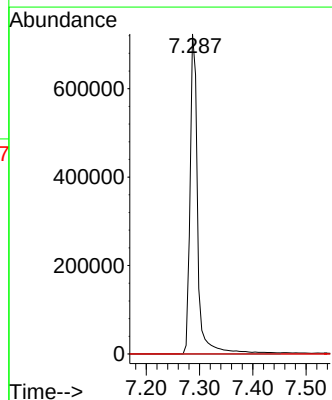
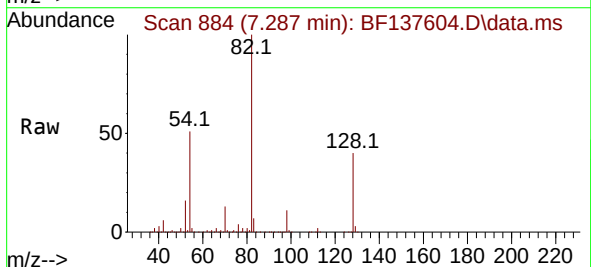
Instrument :
BNA_F
ClientSampleId :
SB-05-0-2.0

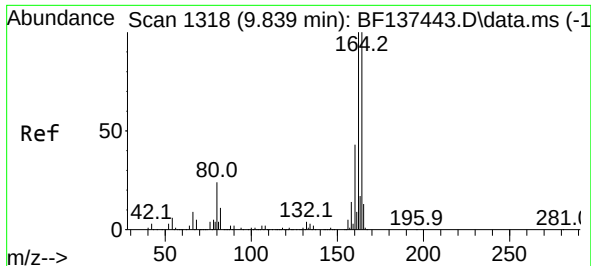
Tgt Ion: 82 Resp: 724674
Ion Ratio Lower Upper
82 100
128 39.7 32.5 48.7
54 50.8 41.5 62.3



#25
Isophorone
Concen: 38.728 ng
RT: 7.287 min Scan# 884
Delta R.T. -0.265 min
Lab File: BF137604.D
Acq: 14 Mar 2024 21:53

Tgt Ion: 82 Resp: 724674
Ion Ratio Lower Upper
82 100
95 0.0 5.1 7.7#
138 0.0 11.8 17.8#

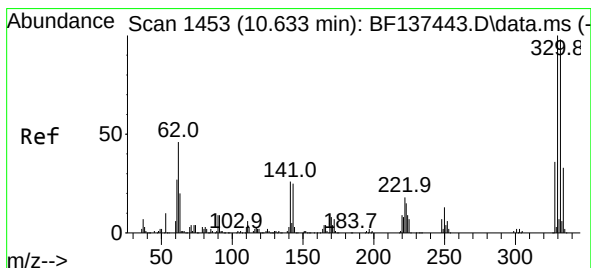
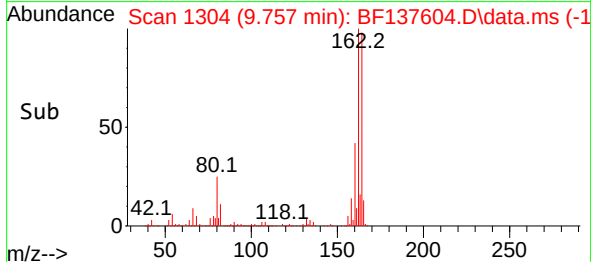
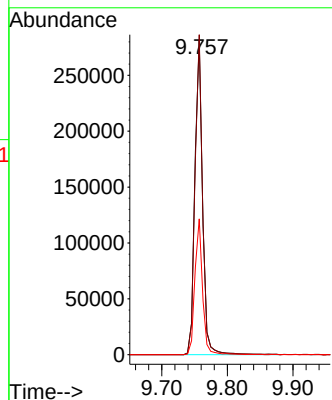
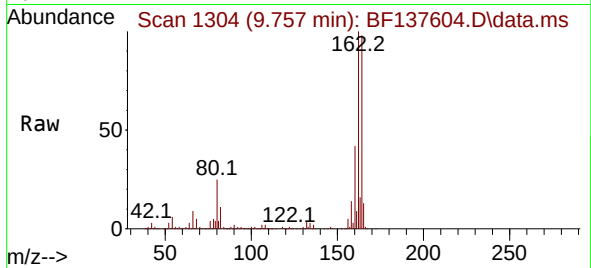




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF137604.D
Acq: 14 Mar 2024 21:53

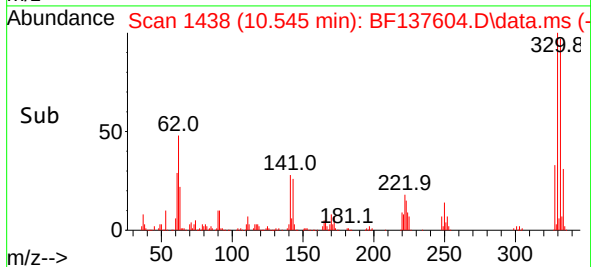
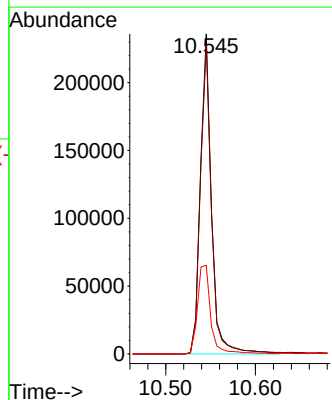
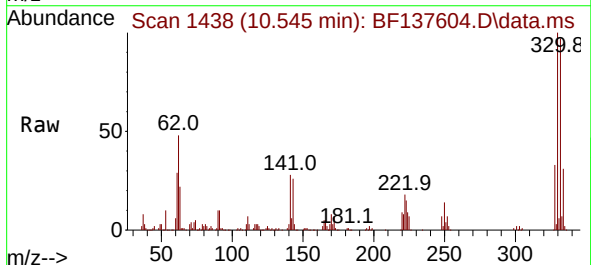
Instrument :
BNA_F
ClientSampleId :
SB-05-0-2.0

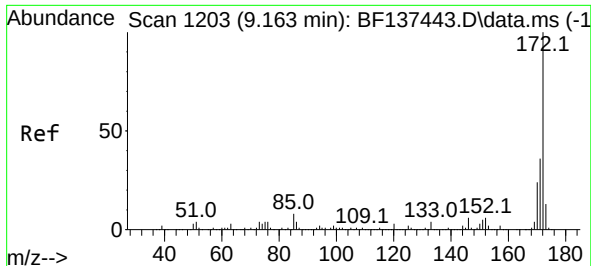
Tgt Ion:164 Resp: 230551
Ion Ratio Lower Upper
164 100
162 101.8 79.8 119.8
160 43.3 34.4 51.6



#42
2,4,6-Tribromophenol
Concen: 100.193 ng
RT: 10.545 min Scan# 1438
Delta R.T. -0.006 min
Lab File: BF137604.D
Acq: 14 Mar 2024 21:53

Tgt Ion:330 Resp: 202854
Ion Ratio Lower Upper
330 100
332 97.1 78.0 117.0
141 33.2 27.3 40.9





#45

2-Fluorobiphenyl

Concen: 75.222 ng

RT: 9.081 min Scan# 1189

Delta R.T. -0.006 min

Lab File: BF137604.D

Acq: 14 Mar 2024 21:53

Instrument :

BNA_F

ClientSampleId :

SB-05-0-2.0

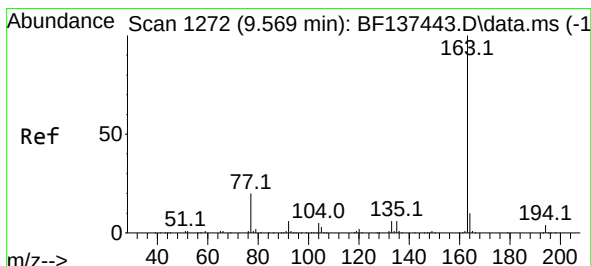
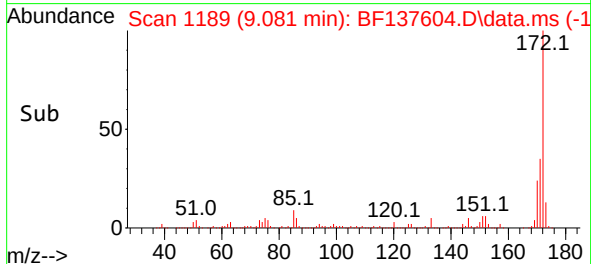
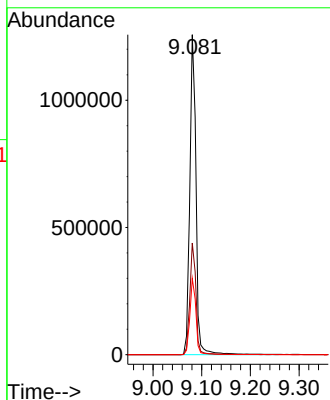
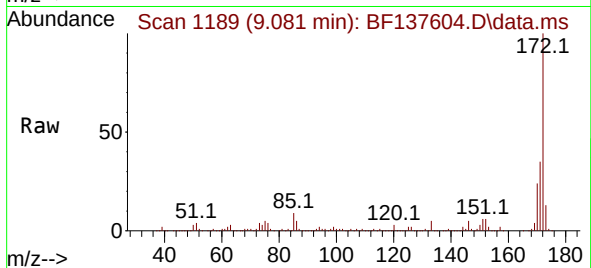
Tgt Ion:172 Resp: 1107886

Ion Ratio Lower Upper

172 100

171 34.9 28.5 42.7

170 23.8 19.0 28.6



#50

Dimethylphthalate

Concen: 2.227 ng

RT: 9.757 min Scan# 1304

Delta R.T. 0.265 min

Lab File: BF137604.D

Acq: 14 Mar 2024 21:53

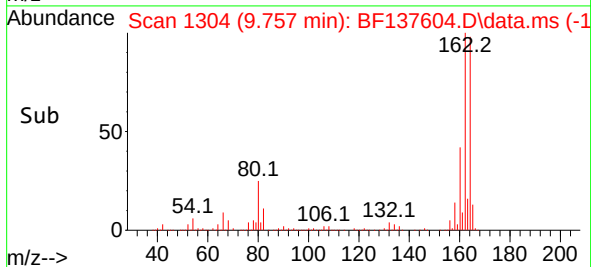
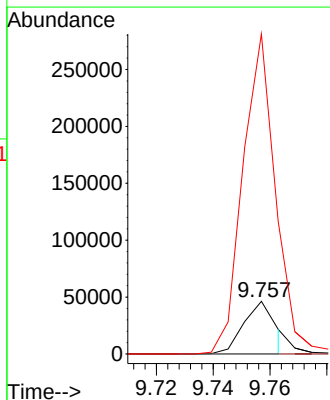
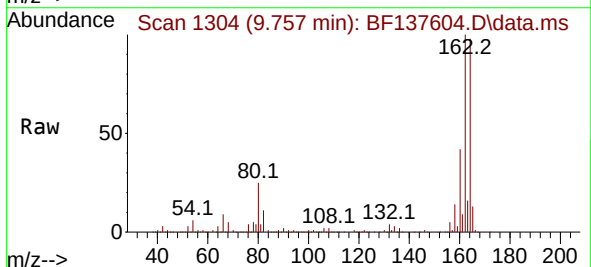
Tgt Ion:163 Resp: 35748

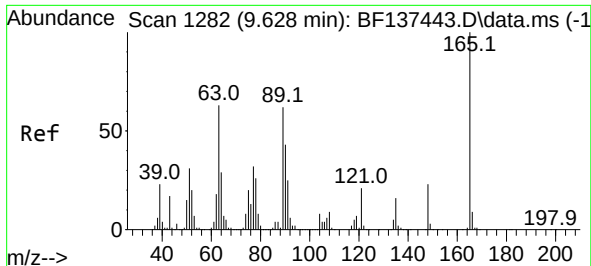
Ion Ratio Lower Upper

163 100

194 0.0 3.3 4.9#

164 608.5 8.1 12.1#

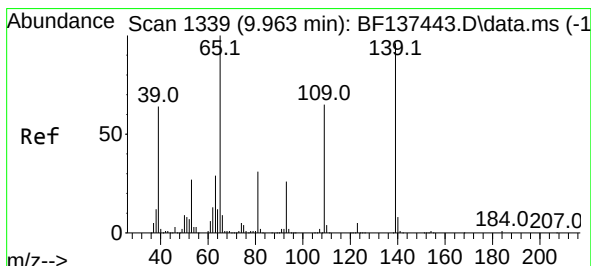
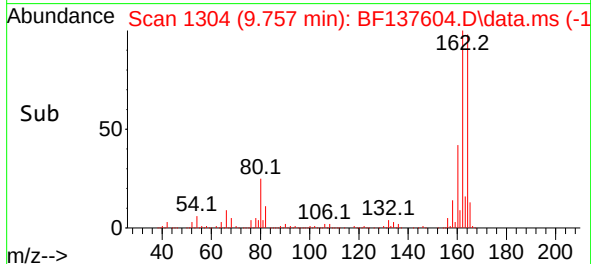
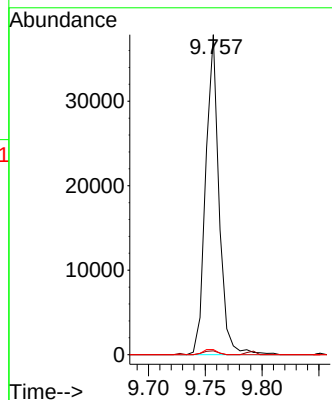
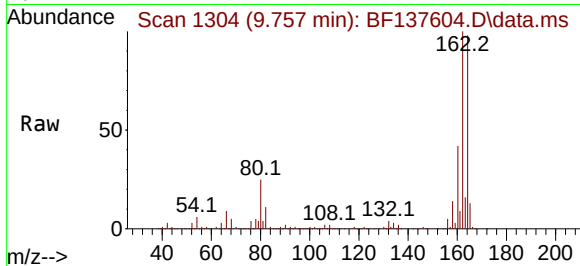




#51
2,6-Dinitrotoluene
Concen: 9.235 ng
RT: 9.757 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF137604.D
Acq: 14 Mar 2024 21:53

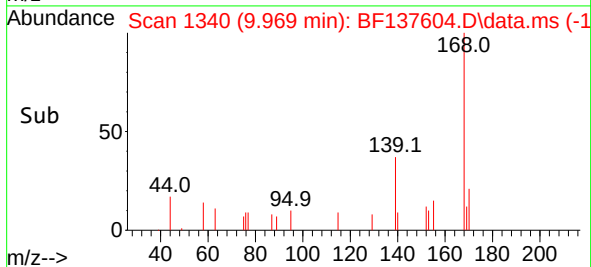
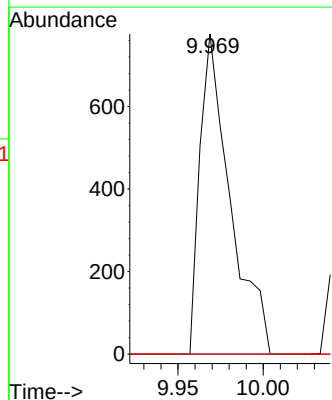
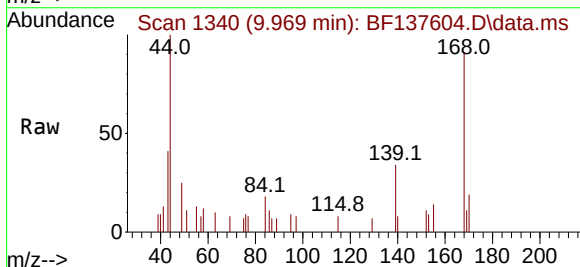
Instrument :
BNA_F
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SB-05-0-2.0

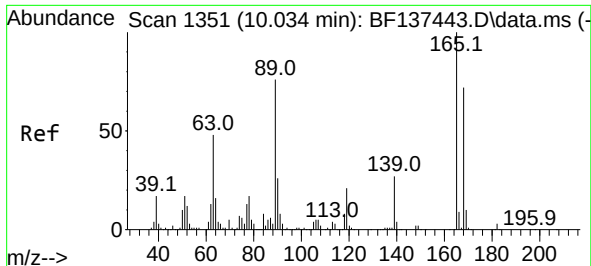
Tgt Ion:165 Resp: 31001
Ion Ratio Lower Upper
165 100
63 1.2 50.7 76.1#
89 1.6 50.0 75.0#



#56
4-Nitrophenol
Concen: 4.886 ng
RT: 9.969 min Scan# 1340
Delta R.T. 0.082 min
Lab File: BF137604.D
Acq: 14 Mar 2024 21:53

Tgt Ion:139 Resp: 962
Ion Ratio Lower Upper
139 100
109 0.0 47.1 87.1#
65 0.0 85.1 125.1#

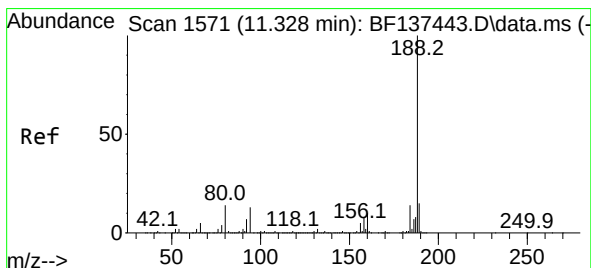
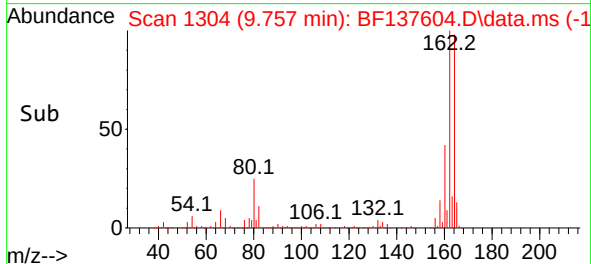
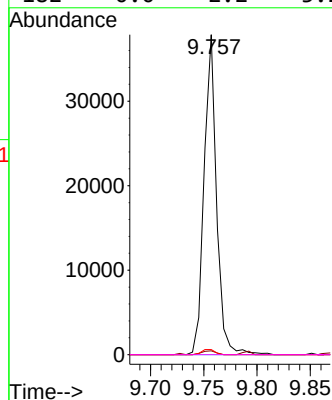
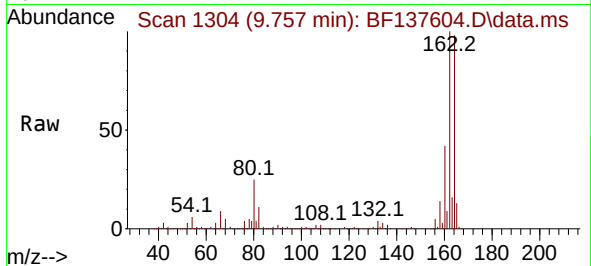




#57
2,4-Dinitrotoluene
Concen: 7.517 ng
RT: 9.757 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF137604.D
Acq: 14 Mar 2024 21:53

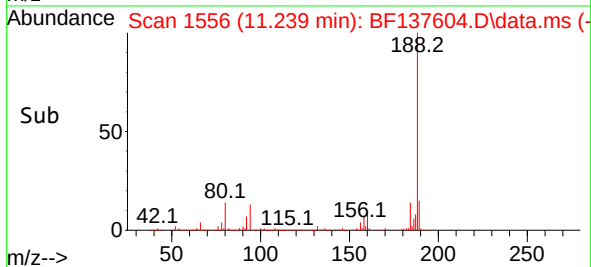
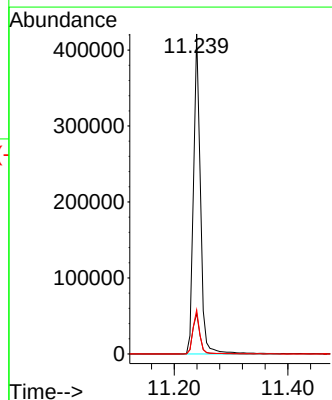
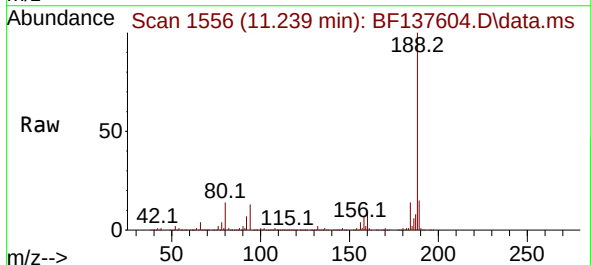
Instrument :
BNA_F
ClientSampleId :
SB-05-0-2.0

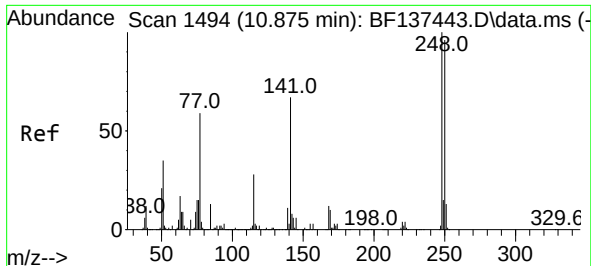
Tgt Ion:165 Resp: 31001
Ion Ratio Lower Upper
165 100
63 1.2 39.0 58.6#
89 1.6 60.9 91.3#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 1556
Delta R.T. -0.000 min
Lab File: BF137604.D
Acq: 14 Mar 2024 21:53

Tgt Ion:188 Resp: 357828
Ion Ratio Lower Upper
188 100
94 12.7 10.6 15.8
80 13.8 11.5 17.3

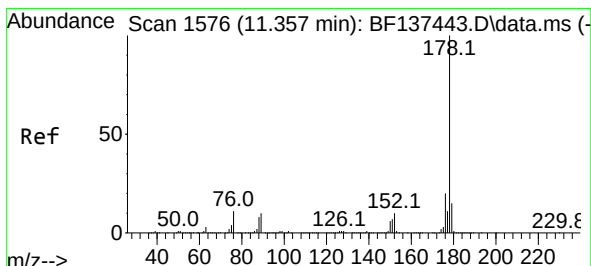
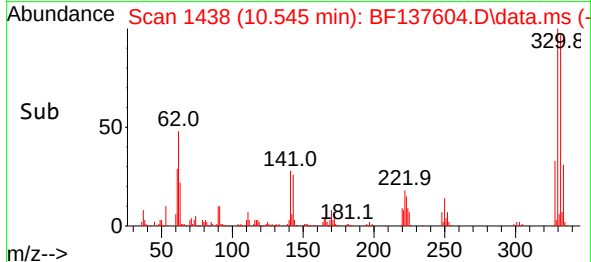
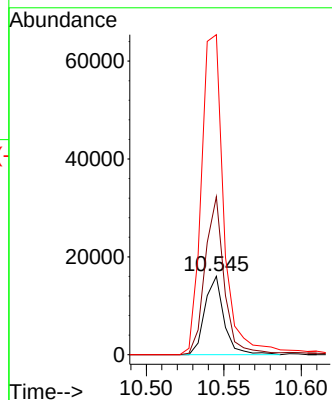
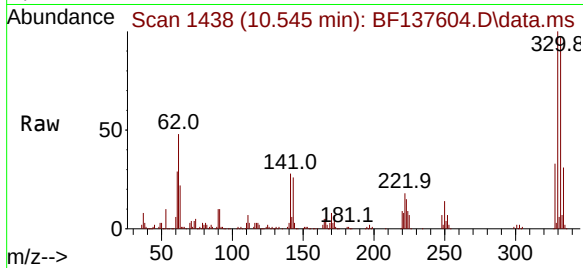




#67
4-Bromophenyl-phenylether
Concen: 3.537 ng
RT: 10.545 min Scan# 1494
Delta R.T. -0.247 min
Lab File: BF137604.D
Acq: 14 Mar 2024 21:53

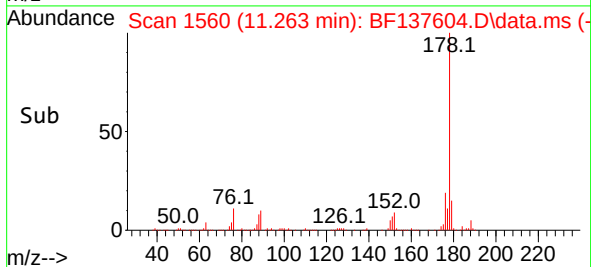
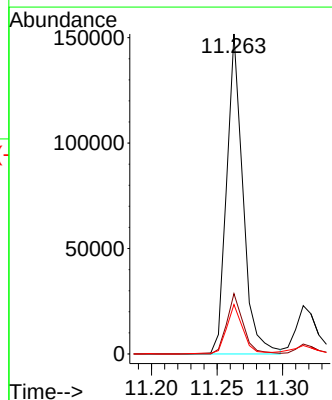
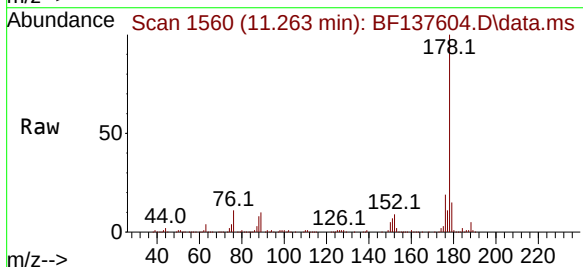
Instrument :
BNA_F
ClientSampleId :
SB-05-0-2.0

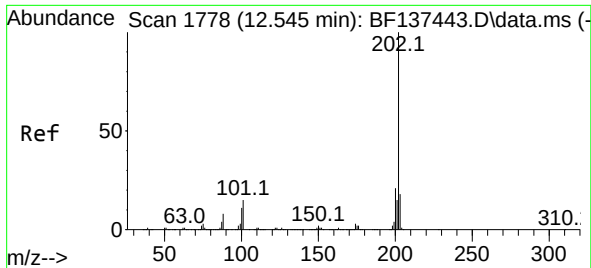
Tgt Ion:248 Resp: 13786
Ion Ratio Lower Upper
248 100
250 201.6 76.8 115.2#
141 408.5 53.4 80.0#



#71
Phenanthrene
Concen: 6.728 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.006 min
Lab File: BF137604.D
Acq: 14 Mar 2024 21:53

Tgt Ion:178 Resp: 131014
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.8
179 15.5 12.2 18.2

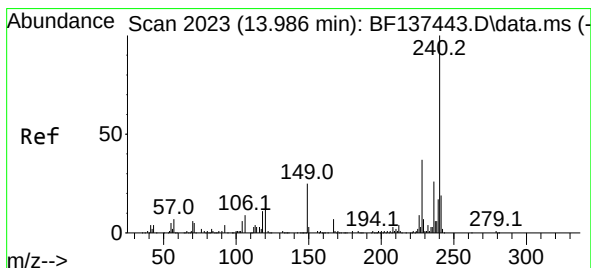
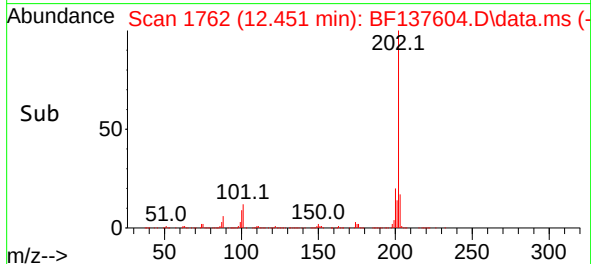
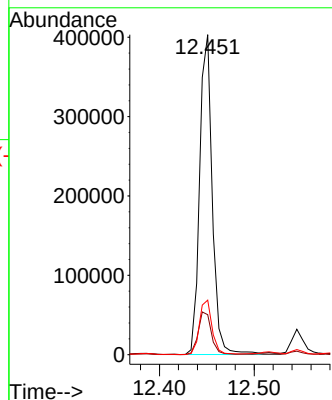
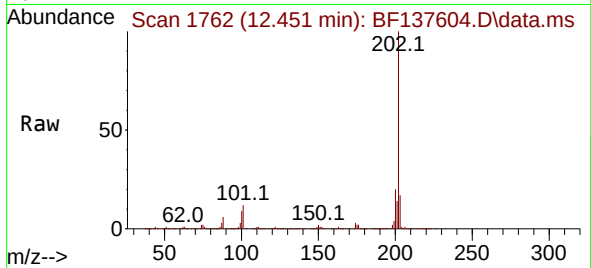




#75
Fluoranthene
Concen: 19.825 ng
RT: 12.451 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF137604.D
Acq: 14 Mar 2024 21:53

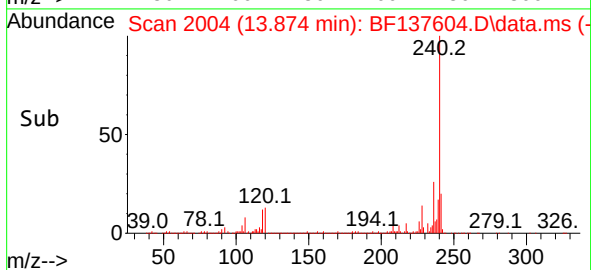
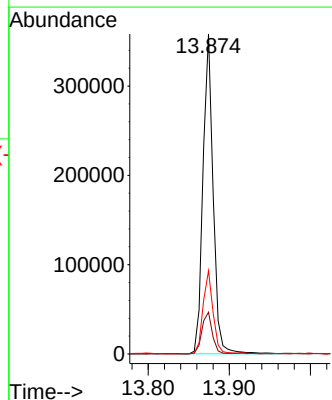
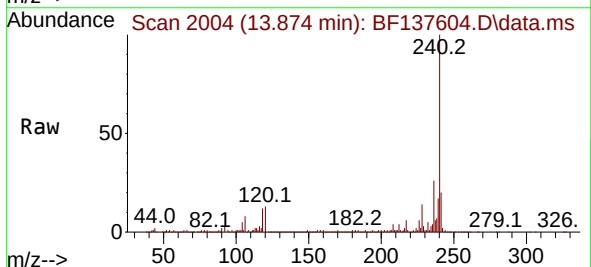
Instrument :
BNA_F
ClientSampleId :
SB-05-0-2.0

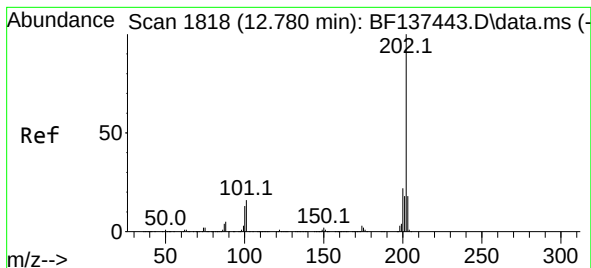
Tgt Ion:202 Resp: 377376
Ion Ratio Lower Upper
202 100
101 12.5 0.0 35.0
203 17.1 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.874 min Scan# 2004
Delta R.T. -0.000 min
Lab File: BF137604.D
Acq: 14 Mar 2024 21:53

Tgt Ion:240 Resp: 312194
Ion Ratio Lower Upper
240 100
120 13.1 10.4 15.6
236 26.0 20.9 31.3





#78

Pyrene

Concen: 11.132 ng

RT: 12.674 min Scan# 1800

Delta R.T. -0.006 min

Lab File: BF137604.D

Acq: 14 Mar 2024 21:53

Instrument :

BNA_F

ClientSampleId :

SB-05-0-2.0

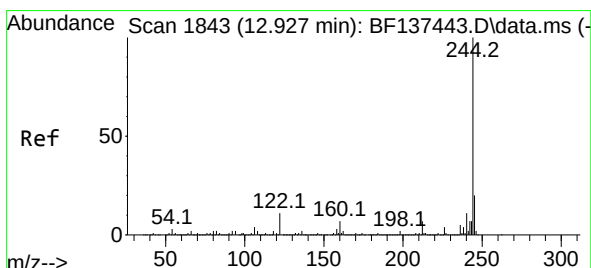
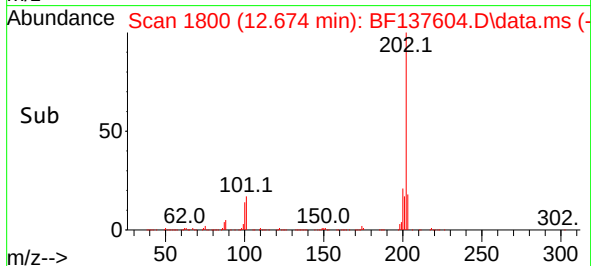
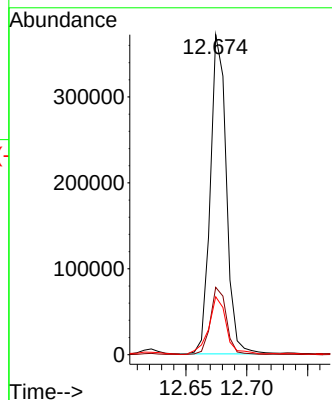
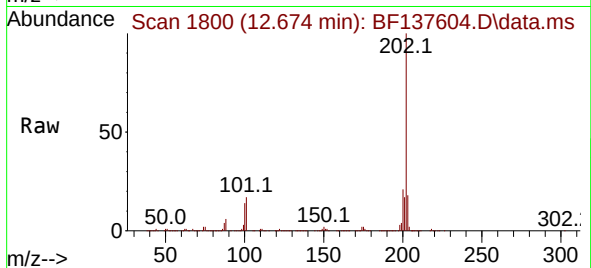
Tgt Ion:202 Resp: 341016

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

203 18.1 14.1 21.1



#79

Terphenyl-d14

Concen: 46.181 ng

RT: 12.827 min Scan# 1826

Delta R.T. -0.000 min

Lab File: BF137604.D

Acq: 14 Mar 2024 21:53

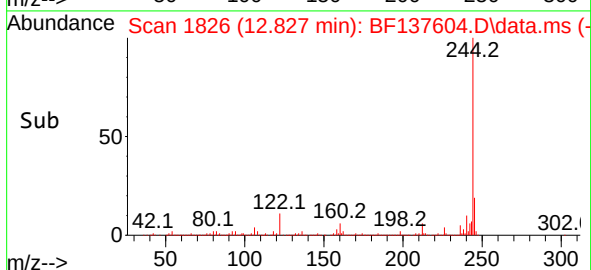
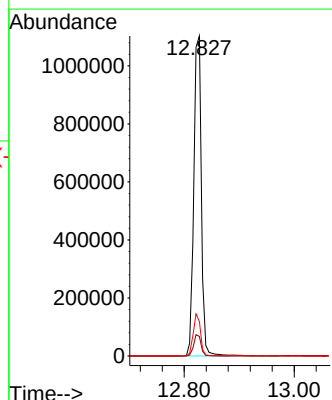
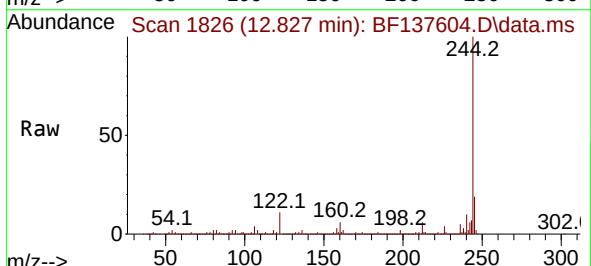
Tgt Ion:244 Resp: 1048455

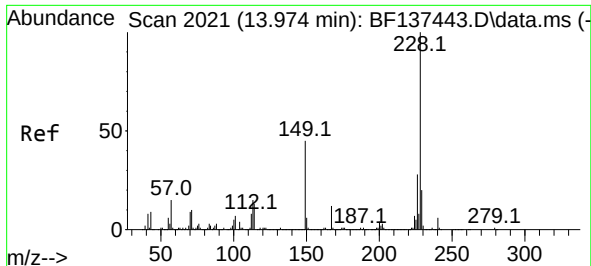
Ion Ratio Lower Upper

244 100

212 6.1 5.4 8.2

122 10.7 9.1 13.7

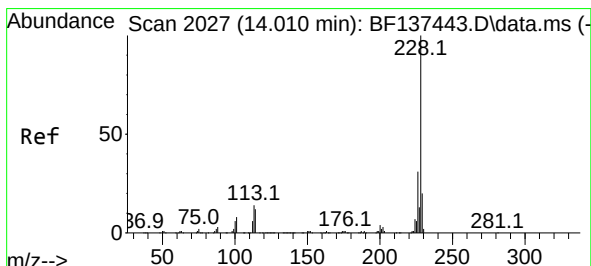
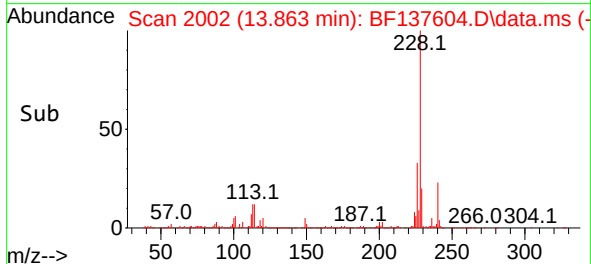
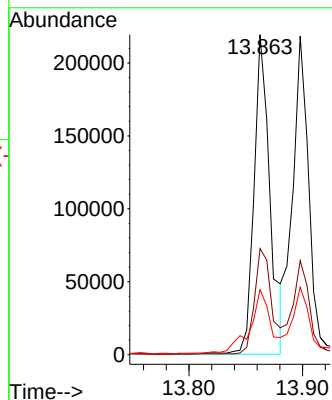
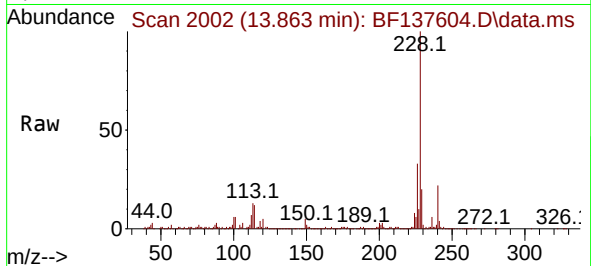




#81
Benzo(a)anthracene
Concen: 9.800 ng
RT: 13.863 min Scan# 2002
Delta R.T. -0.006 min
Lab File: BF137604.D
Acq: 14 Mar 2024 21:53

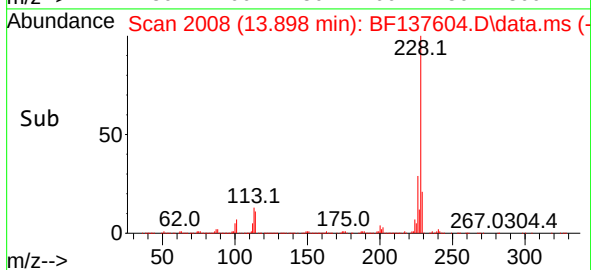
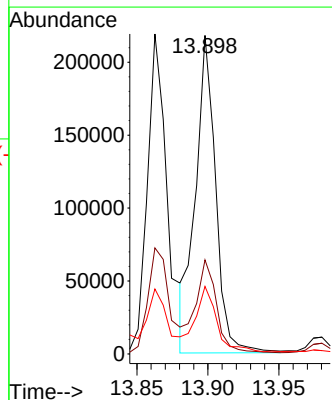
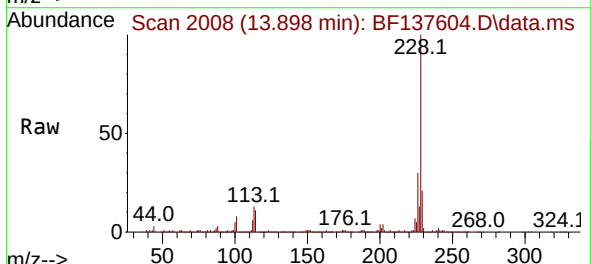
Instrument :
BNA_F
ClientSampleId :
SB-05-0-2.0

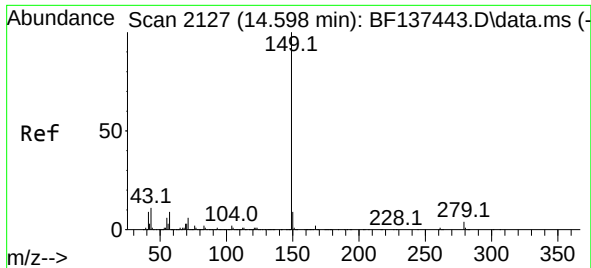
Tgt Ion:228 Resp: 214429
Ion Ratio Lower Upper
228 100
226 33.2 22.3 33.5
229 20.3 16.3 24.5



#83
Chrysene
Concen: 9.754 ng
RT: 13.898 min Scan# 2008
Delta R.T. -0.006 min
Lab File: BF137604.D
Acq: 14 Mar 2024 21:53

Tgt Ion:228 Resp: 215723
Ion Ratio Lower Upper
228 100
226 29.5 24.7 37.1
229 21.2 15.9 23.9

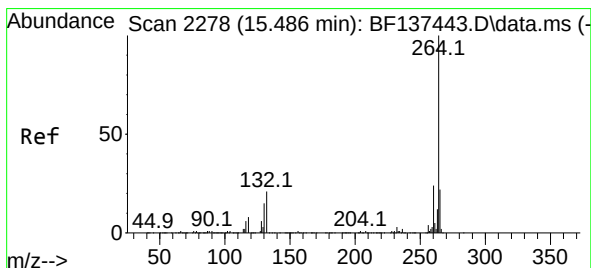
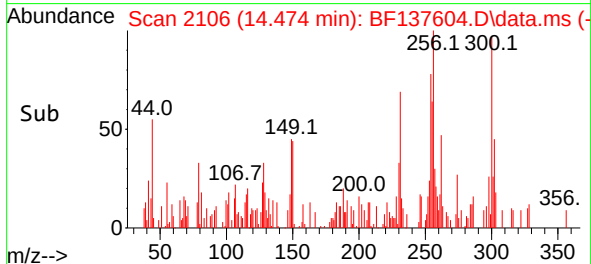
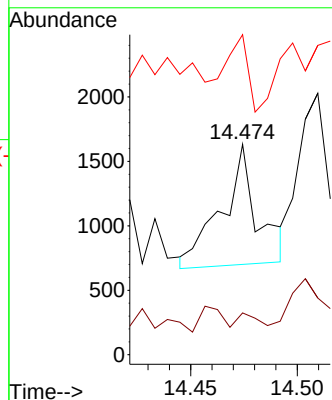
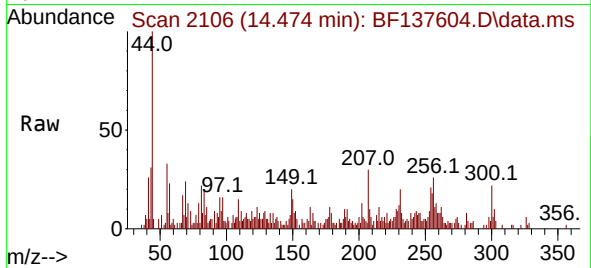




#85
Di-n-octyl phthalate
Concen: 5.657 ng
RT: 14.474 min Scan# 2127
Delta R.T. -0.000 min
Lab File: BF137604.D
Acq: 14 Mar 2024 21:53

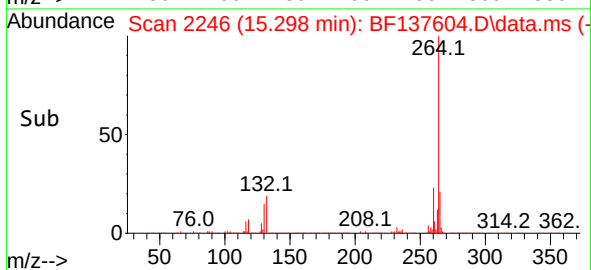
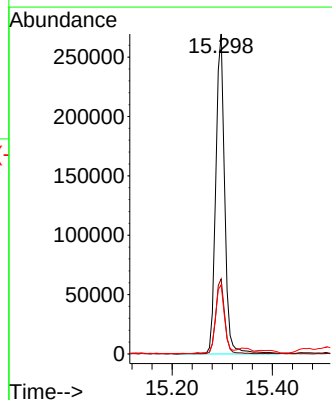
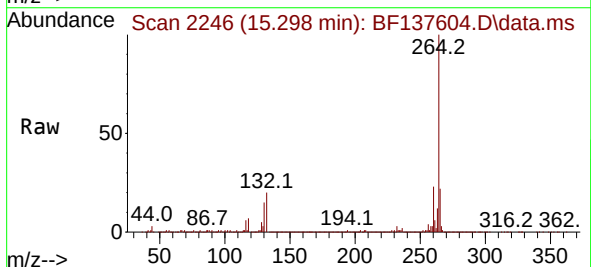
Instrument :
BNA_F
ClientSampleId :
SB-05-0-2.0

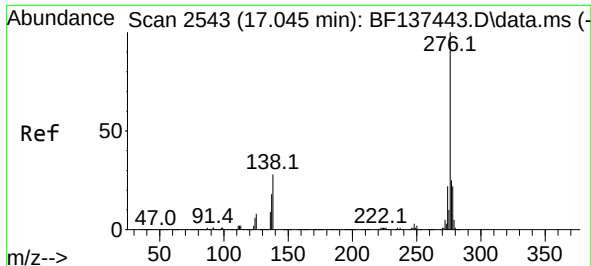
Tgt Ion:149 Resp: 1081
Ion Ratio Lower Upper
149 100
167 13.5 1.2 1.8#
43 42.6 9.6 14.4#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.298 min Scan# 2246
Delta R.T. -0.000 min
Lab File: BF137604.D
Acq: 14 Mar 2024 21:53

Tgt Ion:264 Resp: 331750
Ion Ratio Lower Upper
264 100
260 23.5 19.3 28.9
265 21.6 17.4 26.0

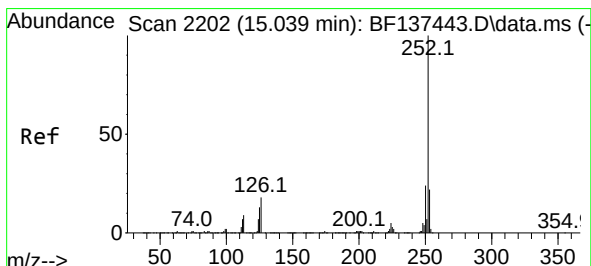
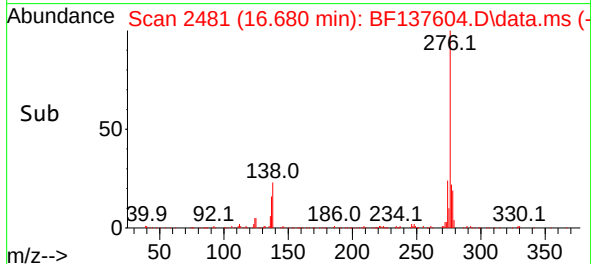
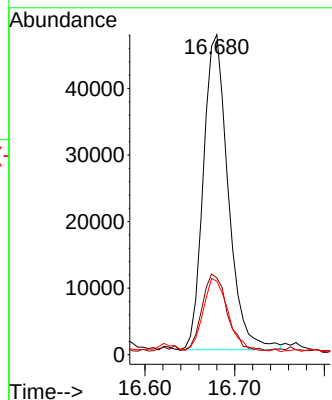
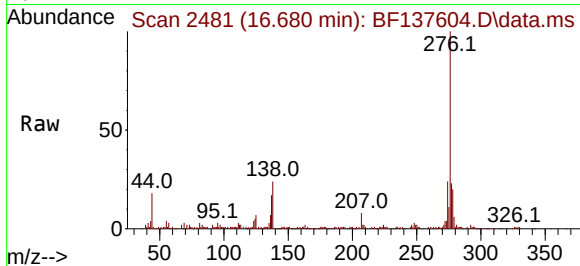




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.178 ng
 RT: 16.680 min Scan# 2481
 Delta R.T. -0.006 min
 Lab File: BF137604.D
 Acq: 14 Mar 2024 21:53

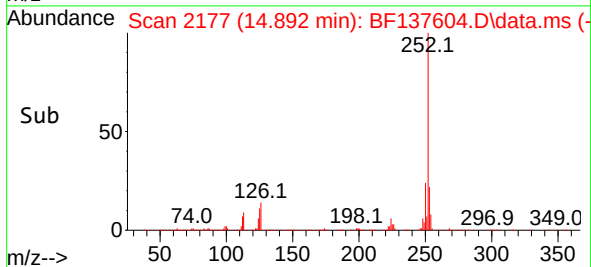
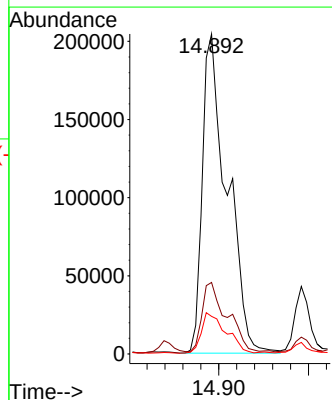
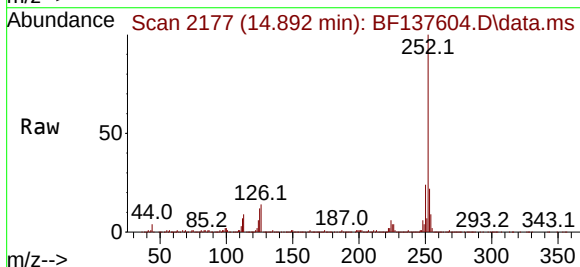
Instrument :
 BNA_F
 ClientSampleId :
 SB-05-0-2.0

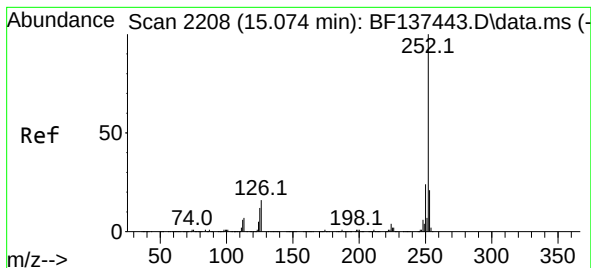
Tgt Ion:276 Resp: 91217
 Ion Ratio Lower Upper
 276 100
 138 26.2 25.8 38.8
 277 23.0 20.2 30.2



#88
 Benzo(b)fluoranthene
 Concen: 19.889 ng
 RT: 14.892 min Scan# 2177
 Delta R.T. -0.000 min
 Lab File: BF137604.D
 Acq: 14 Mar 2024 21:53

Tgt Ion:252 Resp: 390317
 Ion Ratio Lower Upper
 252 100
 253 22.3 17.8 26.8
 125 11.8 10.1 15.1





#89

Benzo(k)fluoranthene

Concen: 18.517 ng

RT: 14.892 min Scan# 2177

Delta R.T. -0.029 min

Lab File: BF137604.D

Acq: 14 Mar 2024 21:53

Instrument :

BNA_F

ClientSampleId :

SB-05-0-2.0

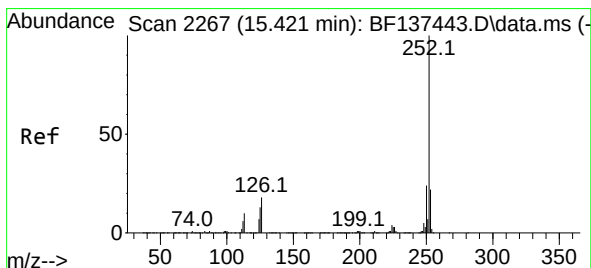
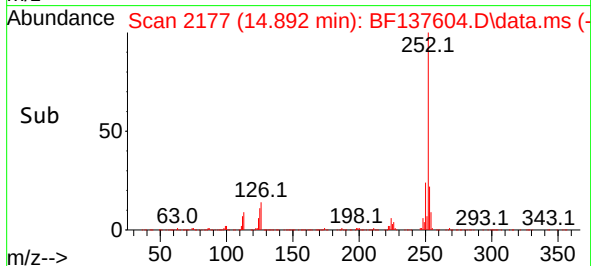
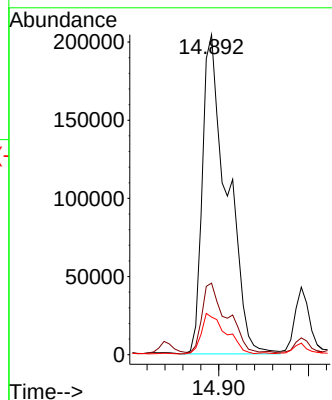
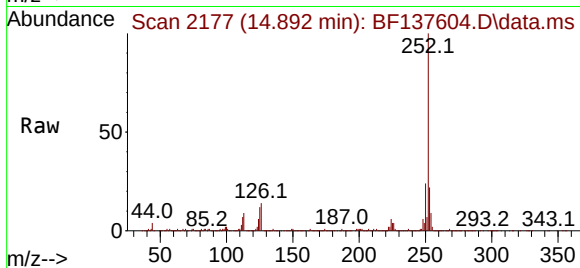
Tgt Ion:252 Resp: 390317

Ion Ratio Lower Upper

252 100

253 22.3 17.3 25.9

125 11.8 9.6 14.4



#90

Benzo(a)pyrene

Concen: 9.542 ng

RT: 15.233 min Scan# 2235

Delta R.T. -0.006 min

Lab File: BF137604.D

Acq: 14 Mar 2024 21:53

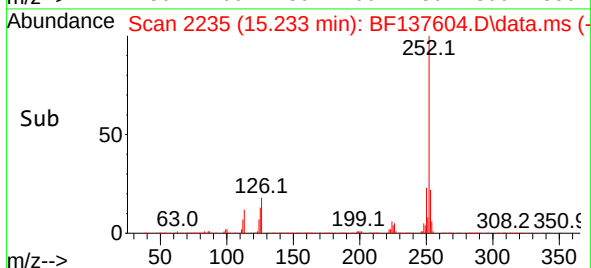
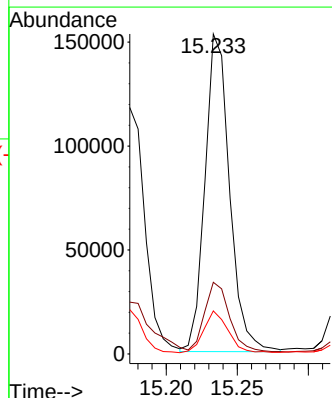
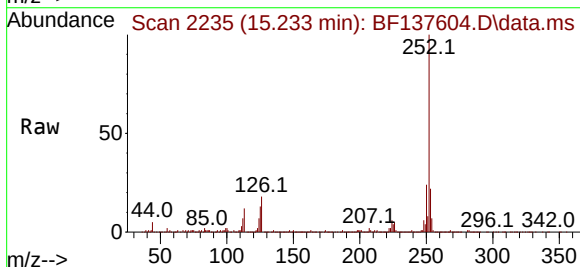
Tgt Ion:252 Resp: 184529

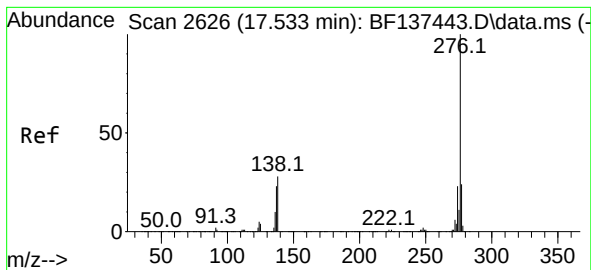
Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.2

125 13.5 10.4 15.6





#92

Benzo(g,h,i)perylene

Concen: 4.264 ng

RT: 17.092 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF137604.D

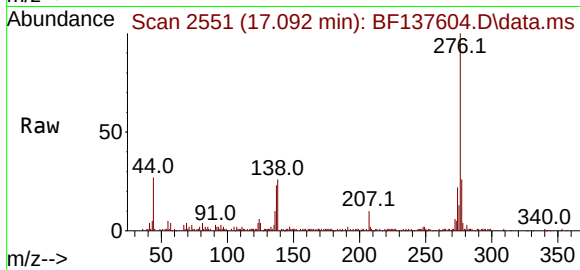
Acq: 14 Mar 2024 21:53

Instrument :

BNA_F

ClientSampleId :

SB-05-0-2.0



Tgt Ion:276 Resp: 77559

Ion Ratio Lower Upper

276 100

277 26.0 19.0 28.4

138 25.9 22.2 33.2

