

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031424\
 Data File : BF137605.D
 Acq On : 14 Mar 2024 22:21
 Operator : CG\JU
 Sample : P1746-16
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-03-0-2.0

Quant Time: Mar 15 02:04:54 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)

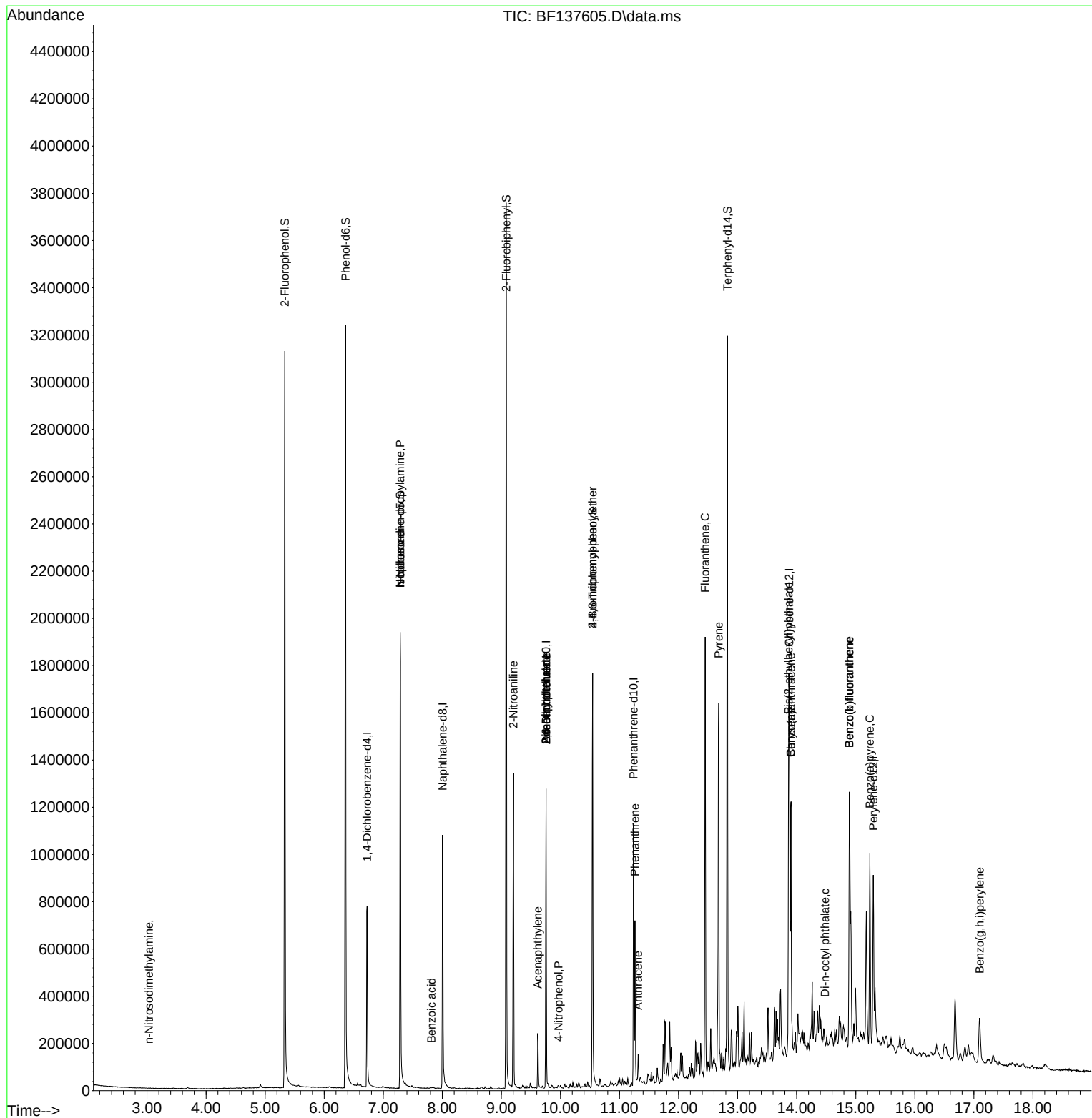
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	127793	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	471558	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	241864	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	373516	20.000	ng	0.00
76) Chrysene-d12	13.874	240	319549	20.000	ng	0.00
86) Perylene-d12	15.298	264	319874	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	886905	105.112	ng	0.00
7) Phenol-d6	6.363	99	1186292	97.400	ng	0.00
23) Nitrobenzene-d5	7.286	82	706037	69.568	ng	-0.01
42) 2,4,6-Tribromophenol	10.545	330	197473	92.973	ng	0.00
45) 2-Fluorobiphenyl	9.080	172	1124871	72.802	ng	0.00
79) Terphenyl-d14	12.827	244	1065664	45.858	ng	0.00
Target Compounds					Qvalue	
4) n-Nitrosodimethylamine	3.034	42	219	3.853	ng	# 1
19) n-Nitroso-di-n-propyla...	7.286	70	90494	12.032	ng	# 81
25) Isophorone	7.286	82	706030	36.618	ng	# 69
32) Benzoic acid	7.816	122	127	6.324	ng	# 1
48) 2-Nitroaniline	9.204	65	12173	2.654	ng	# 15
49) Acenaphthylene	9.616	152	102986	4.768	ng	# 98
50) Dimethylphthalate	9.757	163	37068	2.202	ng	# 1
51) 2,6-Dinitrotoluene	9.757	165	31090	8.829	ng	# 20
56) 4-Nitrophenol	9.969	139	1288	4.985	ng	# 5
57) 2,4-Dinitrotoluene	9.757	165	31155	7.201	ng	# 21
67) 4-Bromophenyl-phenylether	10.545	248	13630	3.350	ng	# 1
71) Phenanthrene	11.263	178	230936	11.361	ng	# 98
72) Anthracene	11.316	178	60859	2.915	ng	# 98
75) Fluoranthene	12.451	202	683728	34.411	ng	# 99
78) Pyrene	12.680	202	640157	20.416	ng	# 99
81) Benzo(a)anthracene	13.904	228	461387	20.600	ng	# 96
83) Chrysene	13.904	228	461387	20.383	ng	# 98
84) Bis(2-ethylhexyl)phtha...	13.863	149	20400	2.004	ng	# 96
85) Di-n-octyl phthalate	14.480	149	3177	5.750	ng	# 48
88) Benzo(b)fluoranthene	14.892	252	758503	40.086	ng	# 99
89) Benzo(k)fluoranthene	14.892	252	758503	37.321	ng	# 98
90) Benzo(a)pyrene	15.239	252	351118	18.830	ng	# 98
92) Benzo(g,h,i)perylene	17.098	276	146155	8.334	ng	# 98

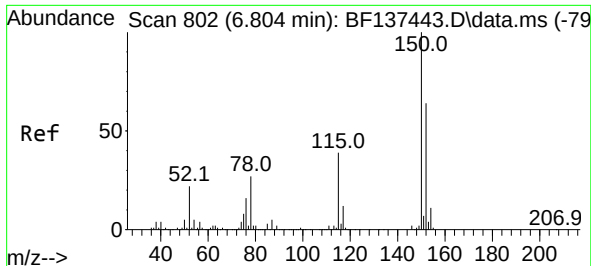
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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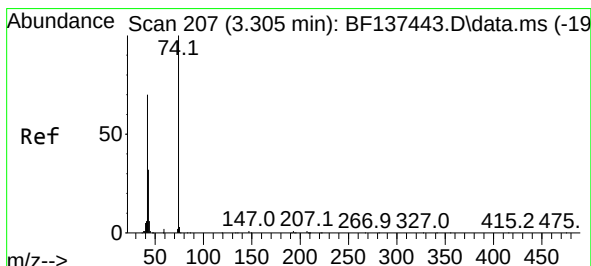
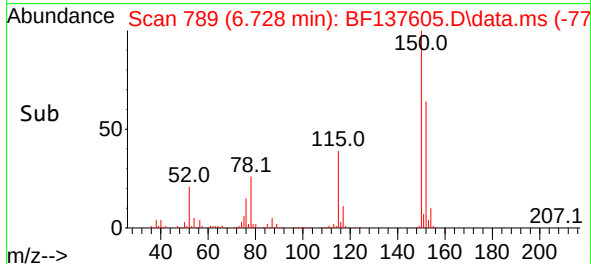
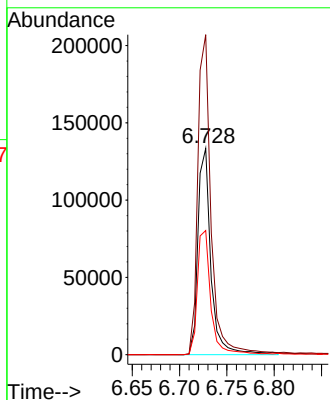
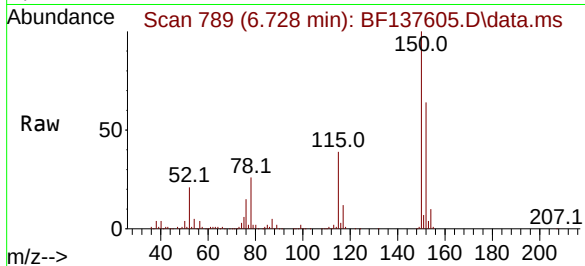




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF137605.D
Acq: 14 Mar 2024 22:21

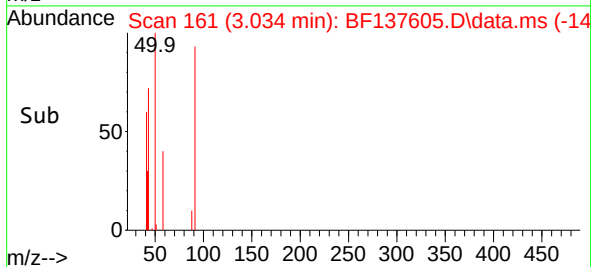
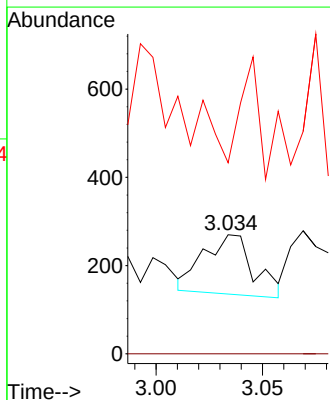
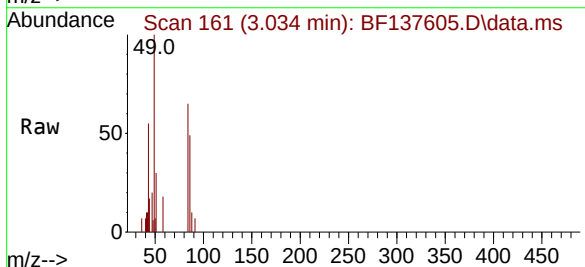
Instrument :
BNA_F
ClientSampleId :
SB-03-0-2.0

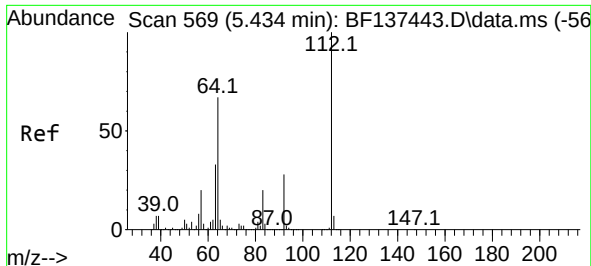
Tgt Ion:152 Resp: 127793
Ion Ratio Lower Upper
152 100
150 155.2 125.8 188.6
115 60.2 48.8 73.2



#4
n-Nitrosodimethylamine
Concen: 3.853 ng
RT: 3.034 min Scan# 161
Delta R.T. -0.006 min
Lab File: BF137605.D
Acq: 14 Mar 2024 22:21

Tgt Ion: 42 Resp: 219
Ion Ratio Lower Upper
42 100
74 0.0 114.0 171.0#
44 160.4 7.0 10.4#

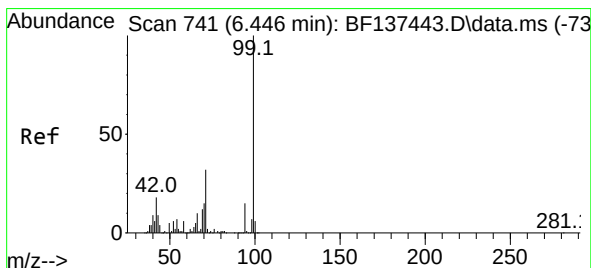
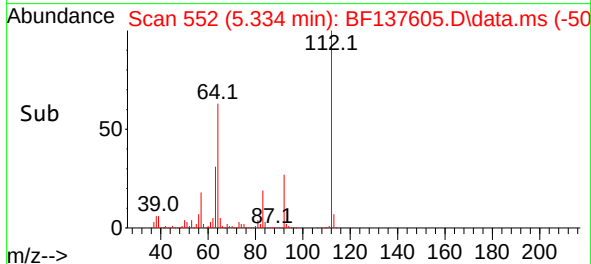
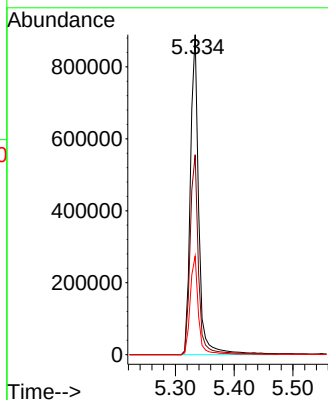
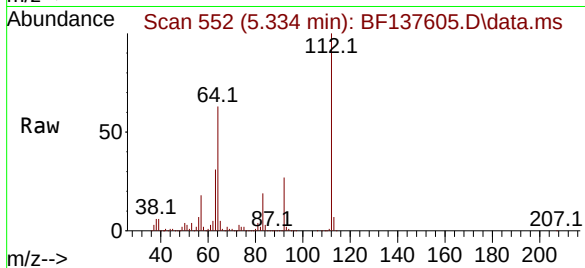




#5
2-Fluorophenol
Concen: 105.112 ng
RT: 5.334 min Scan# 51
Delta R.T. -0.000 min
Lab File: BF137605.D
Acq: 14 Mar 2024 22:21

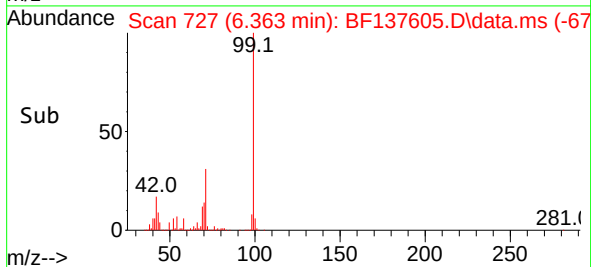
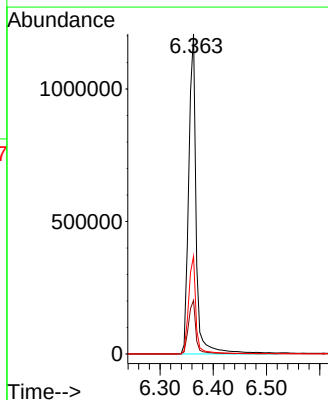
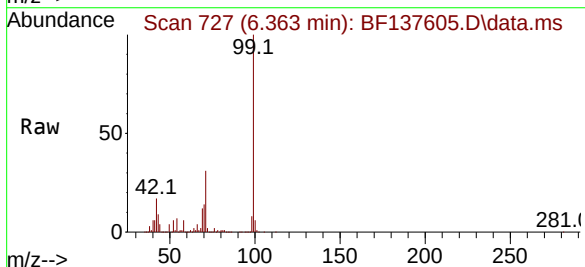
Instrument :
BNA_F
ClientSampleId :
SB-03-0-2.0

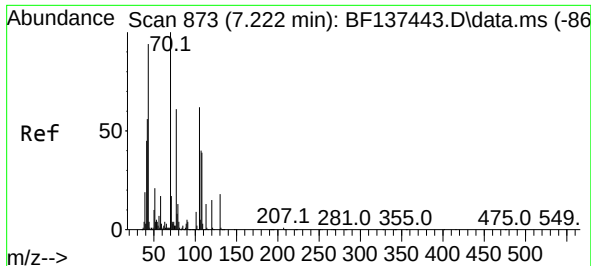
Tgt Ion:112 Resp: 886905
Ion Ratio Lower Upper
112 100
64 62.5 53.4 80.2
63 30.8 26.2 39.2



#7
Phenol-d6
Concen: 97.400 ng
RT: 6.363 min Scan# 727
Delta R.T. -0.006 min
Lab File: BF137605.D
Acq: 14 Mar 2024 22:21

Tgt Ion: 99 Resp: 1186292
Ion Ratio Lower Upper
99 100
42 16.7 14.6 21.8
71 30.5 25.3 37.9

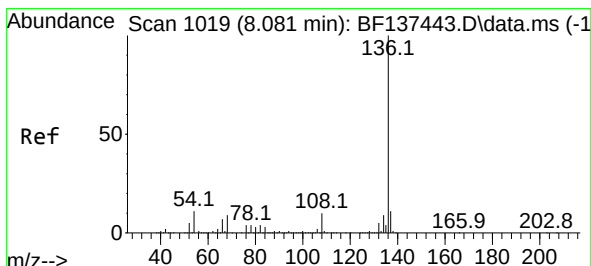
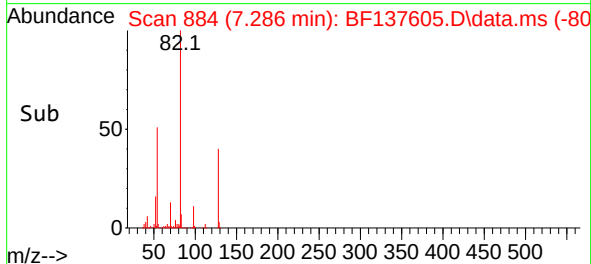
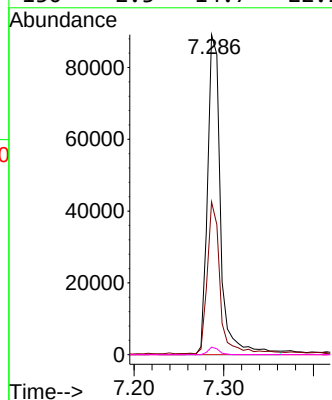
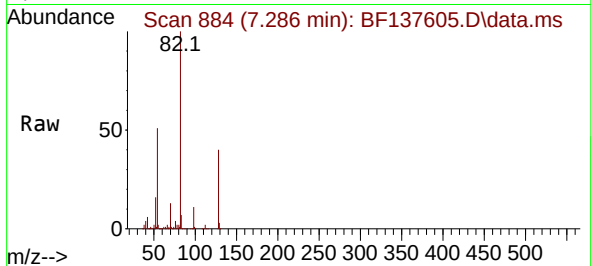




#19
n-Nitroso-di-n-propylamine
Concen: 12.032 ng
RT: 7.286 min Scan# 81
Delta R.T. 0.141 min
Lab File: BF137605.D
Acq: 14 Mar 2024 22:21

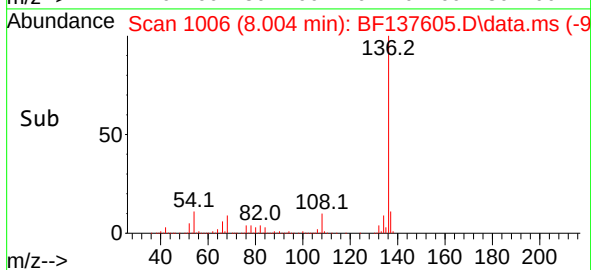
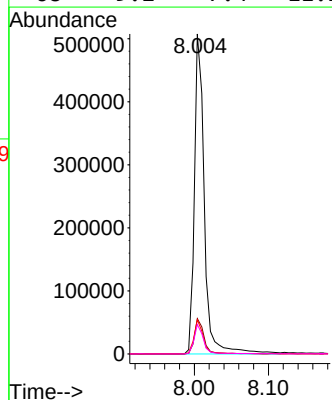
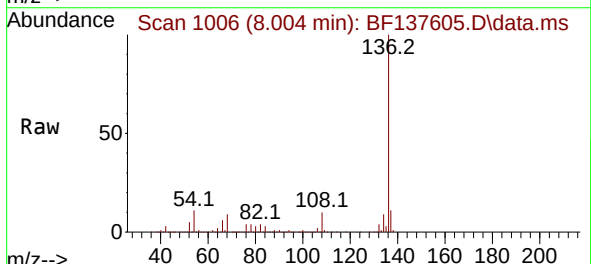
Instrument :
BNA_F
ClientSampleId :
SB-03-0-2.0

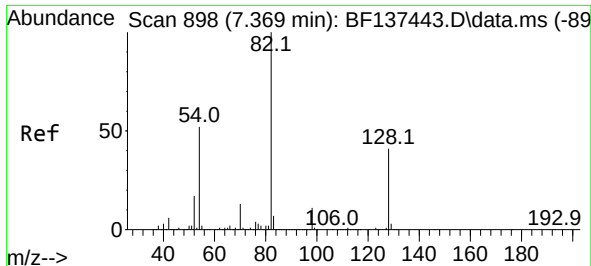
Tgt Ion:	70	Resp:	90494
Ion	Ratio	Lower	Upper
70	100		
42	47.7	45.2	67.8
101	0.0	7.3	10.9#
130	2.3	14.7	22.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF137605.D
Acq: 14 Mar 2024 22:21

Tgt Ion:	136	Resp:	471558
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	10.7	8.5	12.7
68	9.2	7.4	11.2

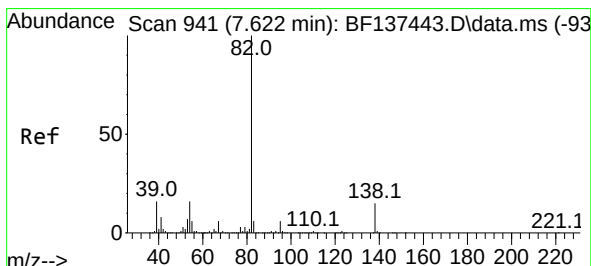
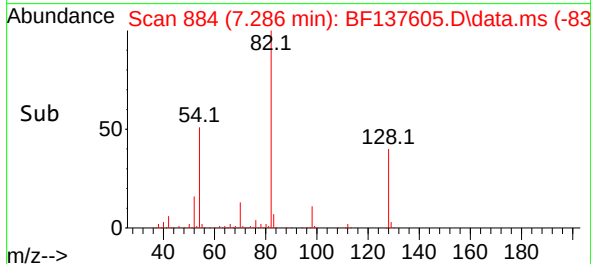
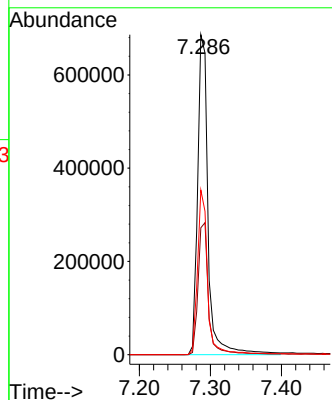
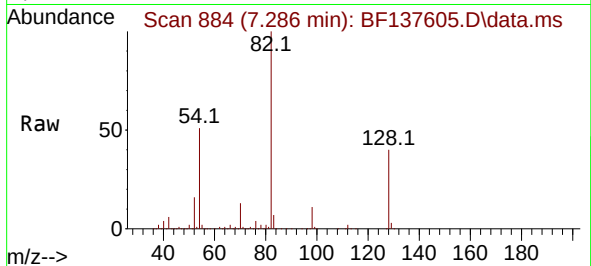




#23
Nitrobenzene-d5
Concen: 69.568 ng
RT: 7.286 min Scan# 884
Delta R.T. -0.012 min
Lab File: BF137605.D
Acq: 14 Mar 2024 22:21

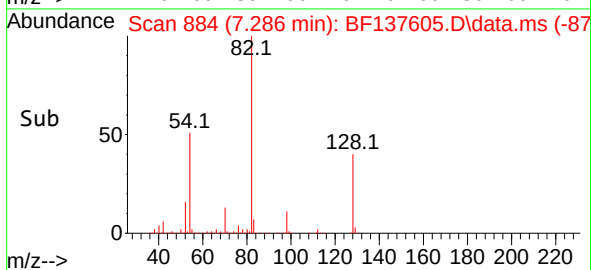
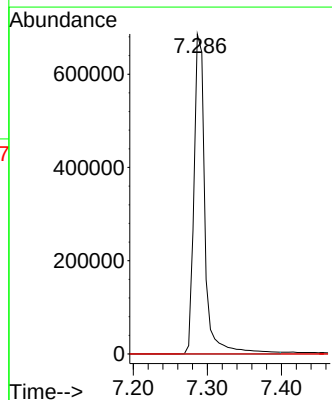
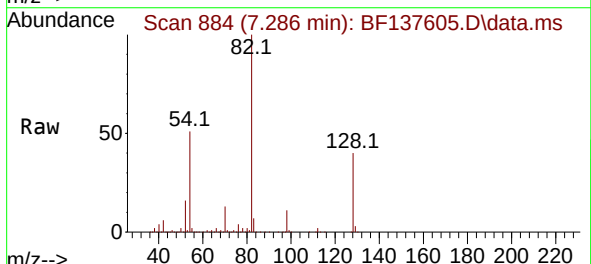
Instrument :
BNA_F
ClientSampleId :
SB-03-0-2.0

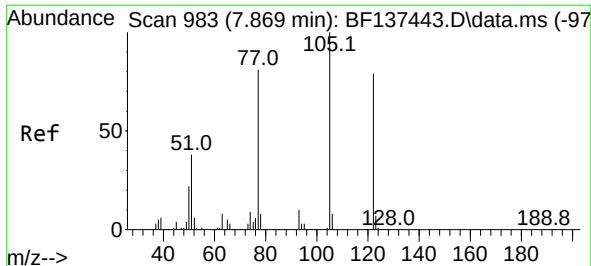
Tgt Ion: 82 Resp: 706037
Ion Ratio Lower Upper
82 100
128 39.7 32.5 48.7
54 51.4 41.5 62.3



#25
Isophorone
Concen: 36.618 ng
RT: 7.286 min Scan# 884
Delta R.T. -0.265 min
Lab File: BF137605.D
Acq: 14 Mar 2024 22:21

Tgt Ion: 82 Resp: 706030
Ion Ratio Lower Upper
82 100
95 0.0 5.1 7.7#
138 0.0 11.8 17.8#

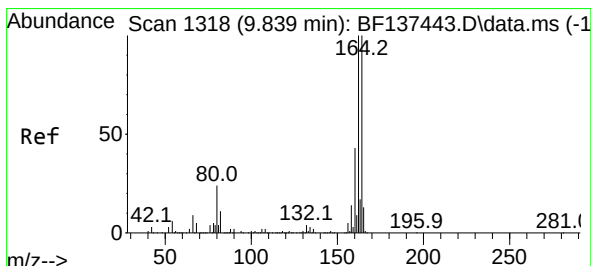
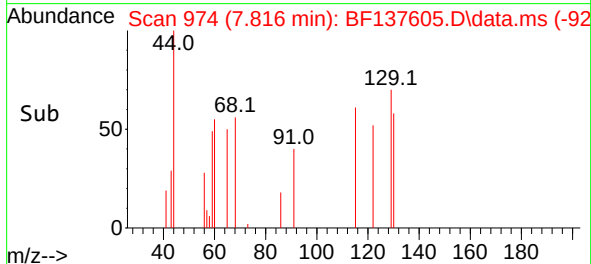
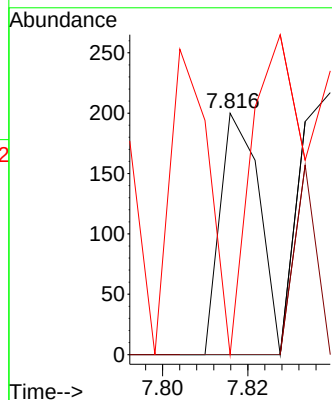
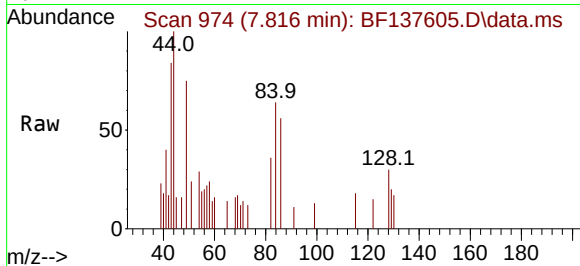




#32
Benzoic acid
Concen: 6.324 ng
RT: 7.816 min Scan# 91
Delta R.T. 0.017 min
Lab File: BF137605.D
Acq: 14 Mar 2024 22:21

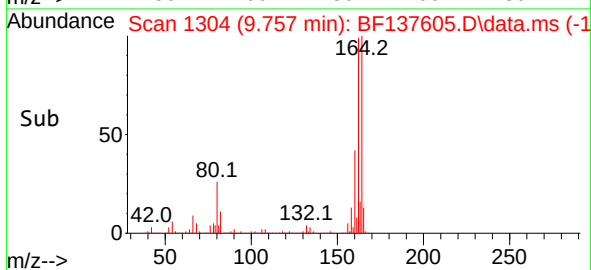
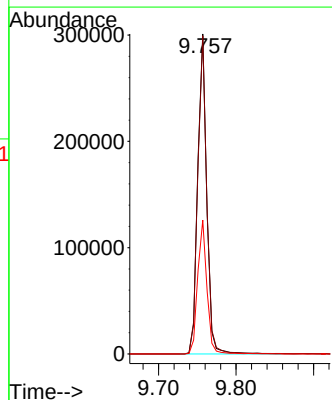
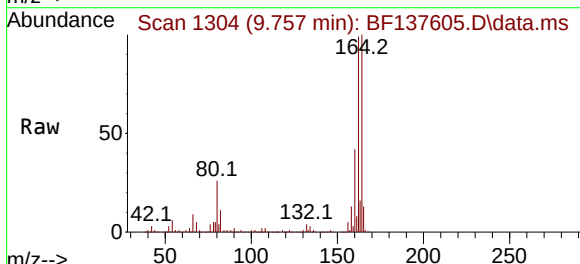
Instrument :
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ClientSampleId :
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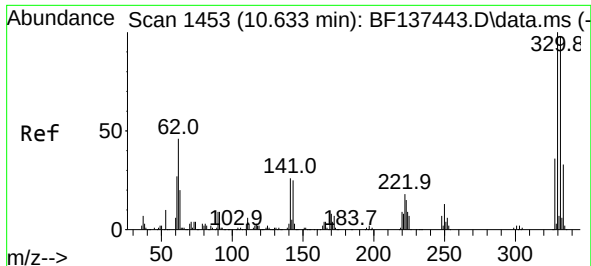
Tgt Ion:122 Resp: 127
Ion Ratio Lower Upper
122 100
105 0.0 102.4 142.4#
77 0.0 81.1 121.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BF137605.D
Acq: 14 Mar 2024 22:21

Tgt Ion:164 Resp: 241864
Ion Ratio Lower Upper
164 100
162 99.5 79.8 119.8
160 41.9 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 92.973 ng

RT: 10.545 min Scan# 1453

Delta R.T. -0.006 min

Lab File: BF137605.D

Acq: 14 Mar 2024 22:21

Instrument :

BNA_F

ClientSampleId :

SB-03-0-2.0

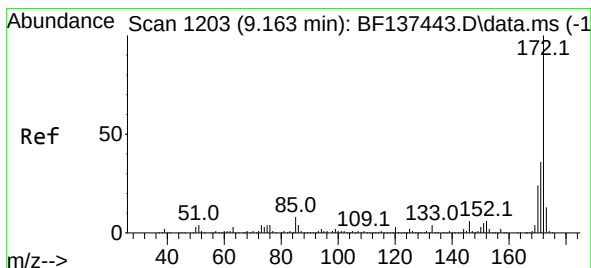
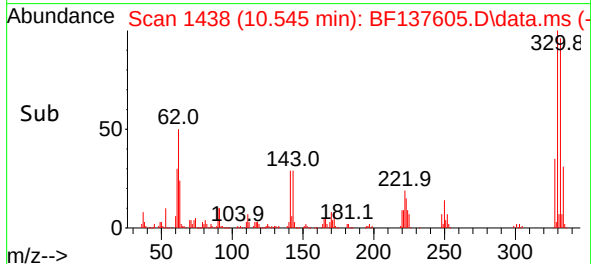
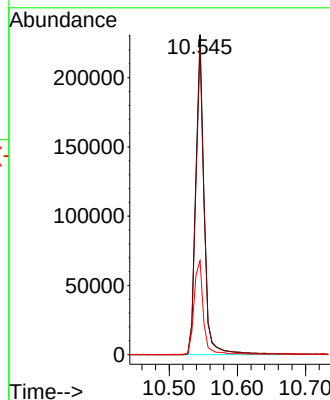
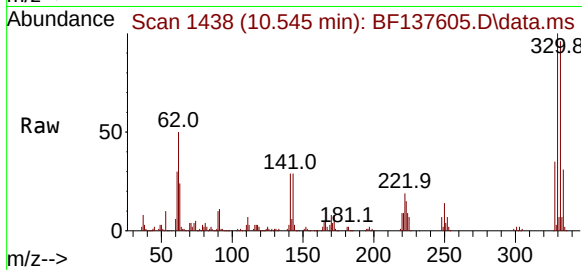
Tgt Ion:330 Resp: 197473

Ion Ratio Lower Upper

330 100

332 95.9 78.0 117.0

141 32.5 27.3 40.9



#45

2-Fluorobiphenyl

Concen: 72.802 ng

RT: 9.080 min Scan# 1189

Delta R.T. -0.006 min

Lab File: BF137605.D

Acq: 14 Mar 2024 22:21

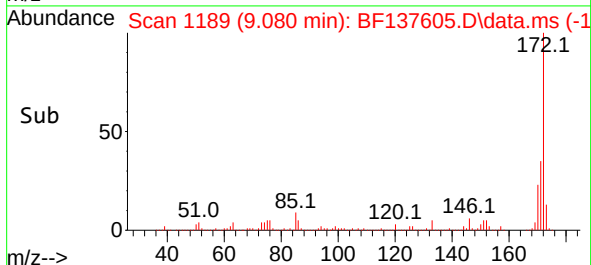
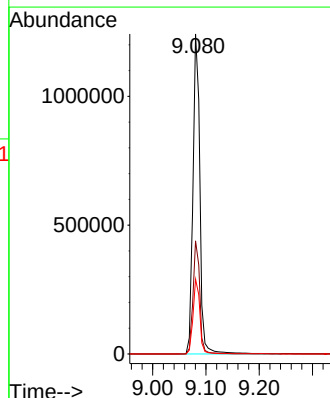
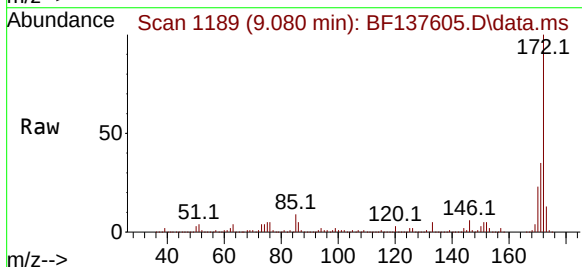
Tgt Ion:172 Resp: 1124871

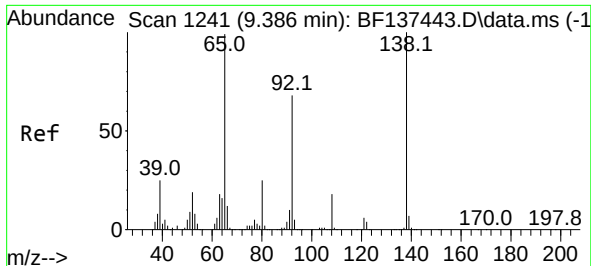
Ion Ratio Lower Upper

172 100

171 35.3 28.5 42.7

170 23.4 19.0 28.6





#48

2-Nitroaniline

Concen: 2.654 ng

RT: 9.204 min Scan# 11

Delta R.T. -0.106 min

Lab File: BF137605.D

Acq: 14 Mar 2024 22:21

Instrument :

BNA_F

ClientSampleId :

SB-03-0-2.0

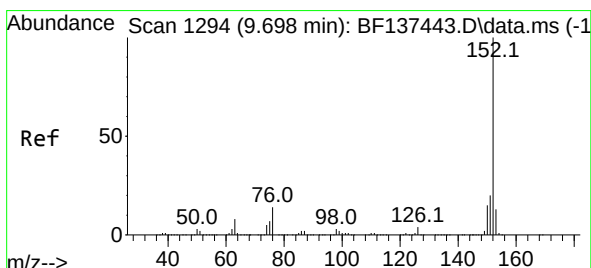
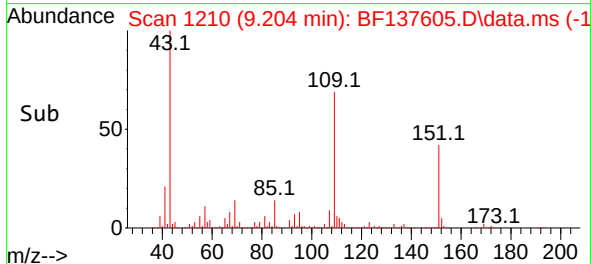
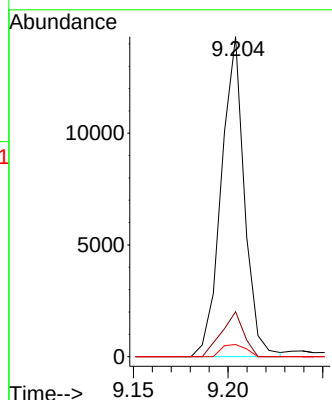
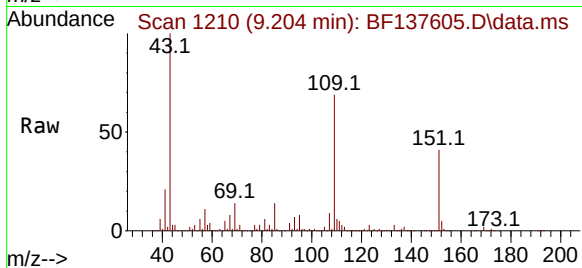
Tgt Ion: 65 Resp: 12173

Ion Ratio Lower Upper

65 100

92 14.0 55.4 83.2#

138 3.8 81.0 121.6#



#49

Acenaphthylene

Concen: 4.768 ng

RT: 9.616 min Scan# 1280

Delta R.T. -0.006 min

Lab File: BF137605.D

Acq: 14 Mar 2024 22:21

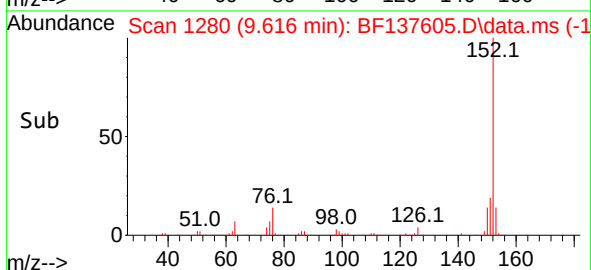
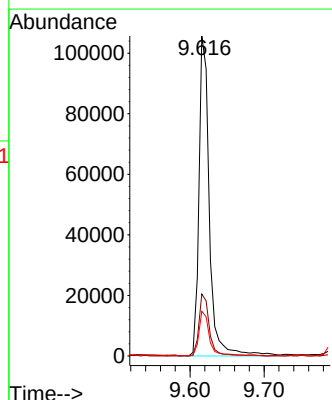
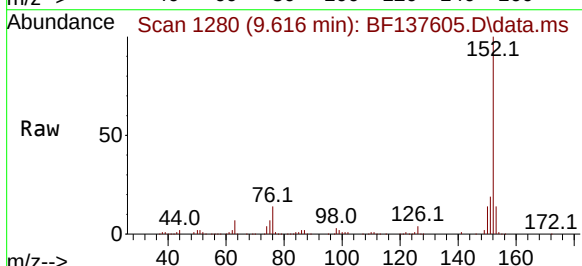
Tgt Ion: 152 Resp: 102986

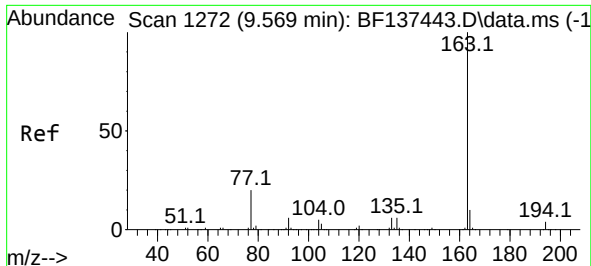
Ion Ratio Lower Upper

152 100

151 19.3 16.2 24.4

153 14.0 10.8 16.2

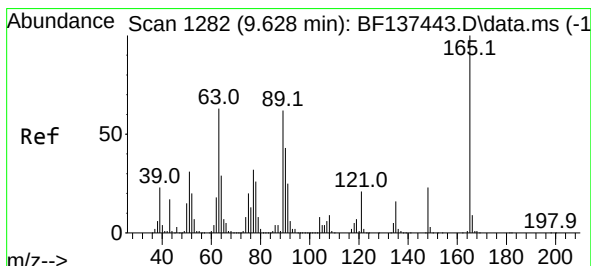
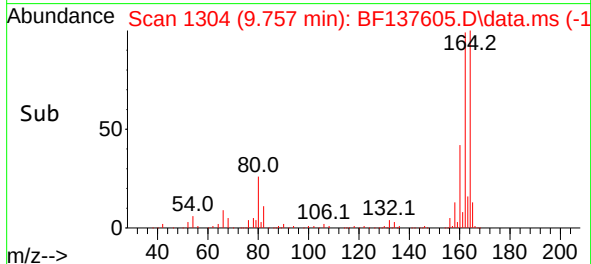
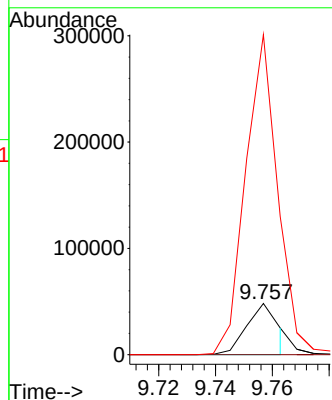
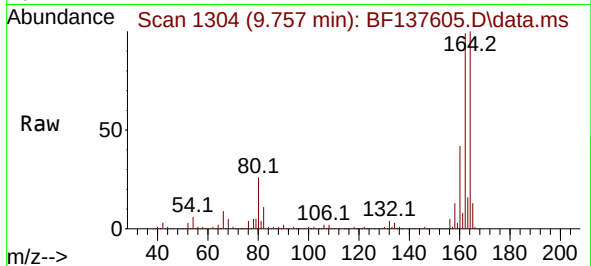




#50
Dimethylphthalate
Concen: 2.202 ng
RT: 9.757 min Scan# 1304
Delta R.T. 0.264 min
Lab File: BF137605.D
Acq: 14 Mar 2024 22:21

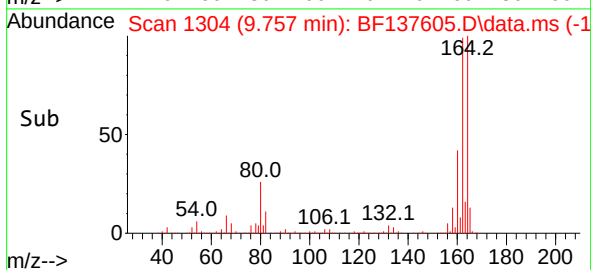
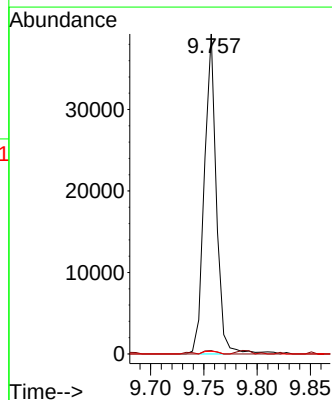
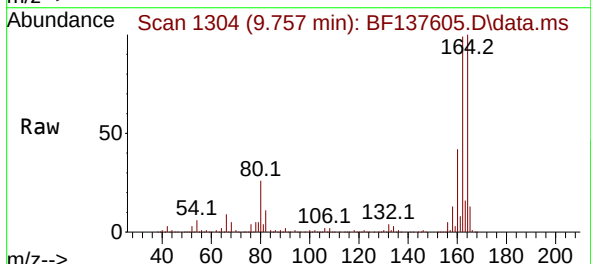
Instrument :
BNA_F
ClientSampleId :
SB-03-0-2.0

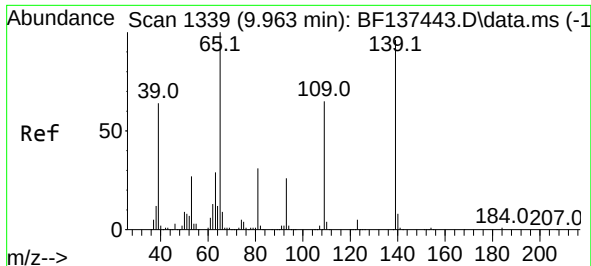
Tgt Ion:163 Resp: 37068
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 624.8 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.829 ng
RT: 9.757 min Scan# 1304
Delta R.T. 0.206 min
Lab File: BF137605.D
Acq: 14 Mar 2024 22:21

Tgt Ion:165 Resp: 31090
Ion Ratio Lower Upper
165 100
63 1.1 50.7 76.1#
89 0.8 50.0 75.0#

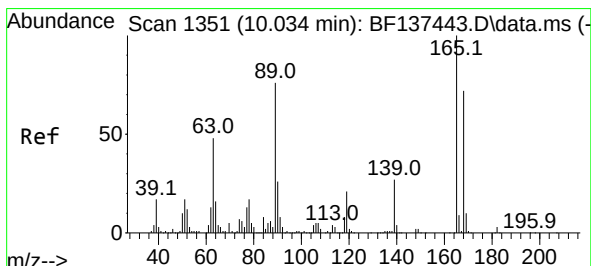
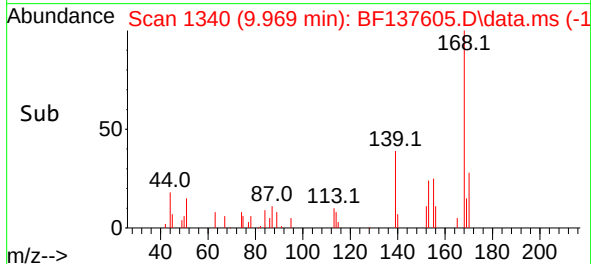
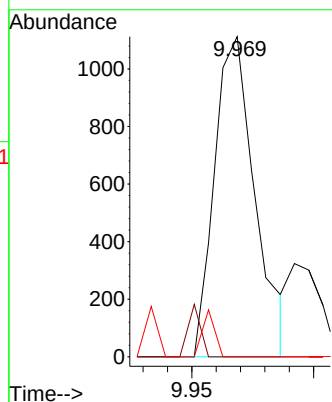
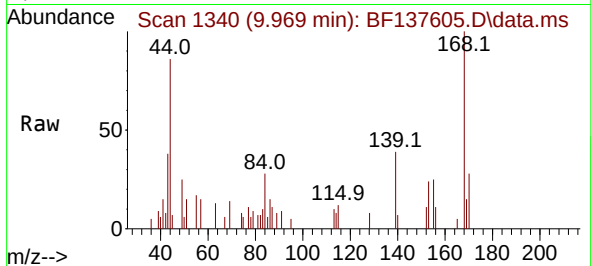




#56
4-Nitrophenol
Concen: 4.985 ng
RT: 9.969 min Scan# 11
Delta R.T. 0.082 min
Lab File: BF137605.D
Acq: 14 Mar 2024 22:21

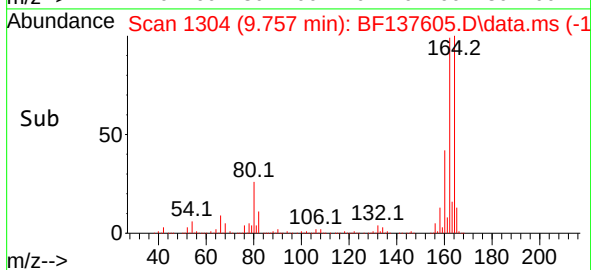
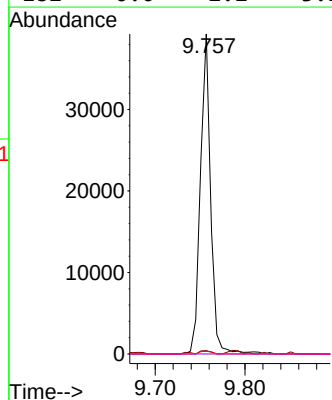
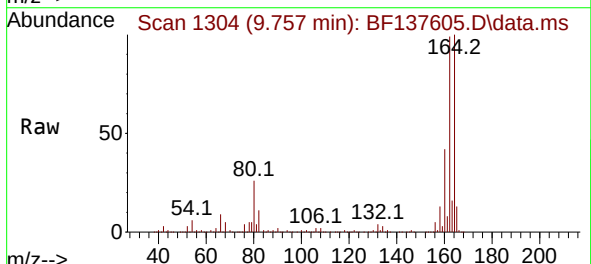
Instrument :
BNA_F
ClientSampleId :
SB-03-0-2.0

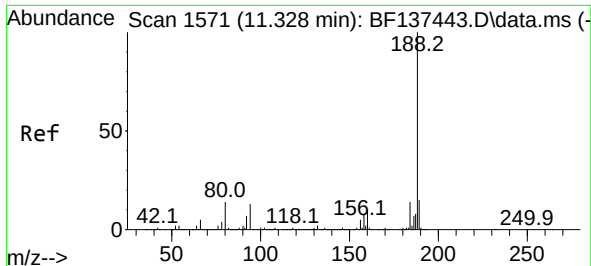
Tgt Ion:139 Resp: 1288
Ion Ratio Lower Upper
139 100
109 0.0 47.1 87.1#
65 0.0 85.1 125.1#



#57
2,4-Dinitrotoluene
Concen: 7.201 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.200 min
Lab File: BF137605.D
Acq: 14 Mar 2024 22:21

Tgt Ion:165 Resp: 31155
Ion Ratio Lower Upper
165 100
63 1.1 39.0 58.6#
89 0.8 60.9 91.3#
182 0.0 2.2 3.2#

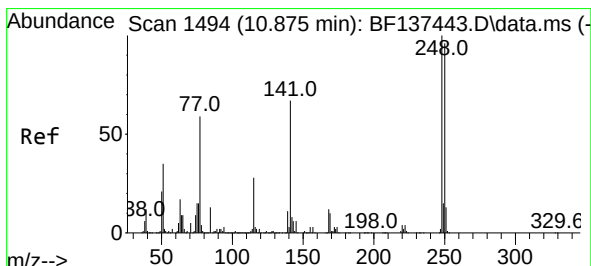
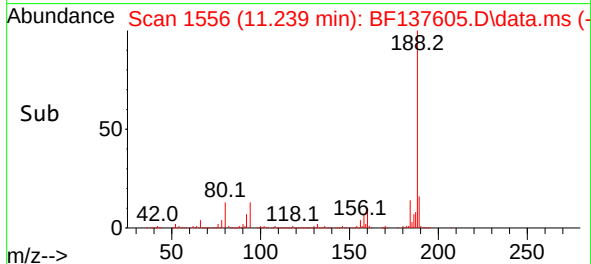
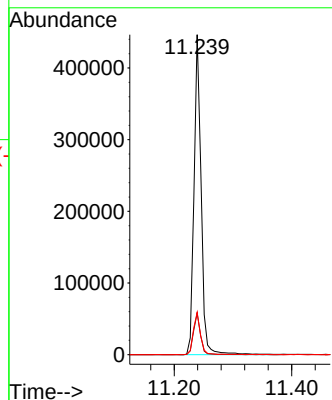
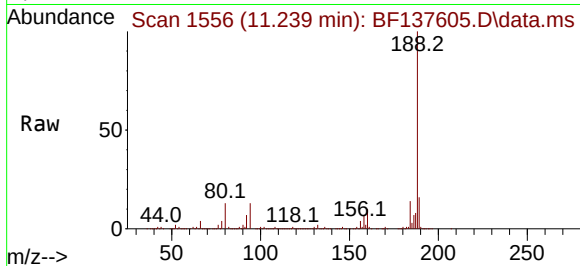




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF137605.D
Acq: 14 Mar 2024 22:21

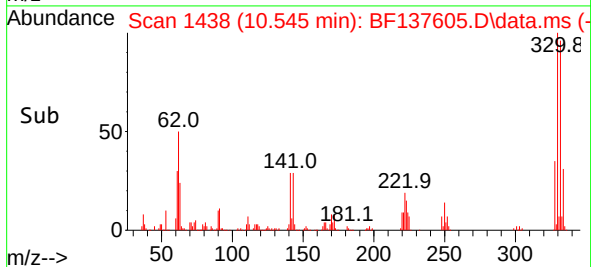
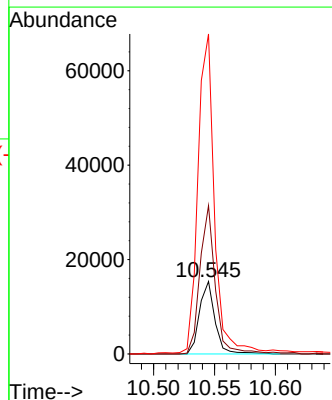
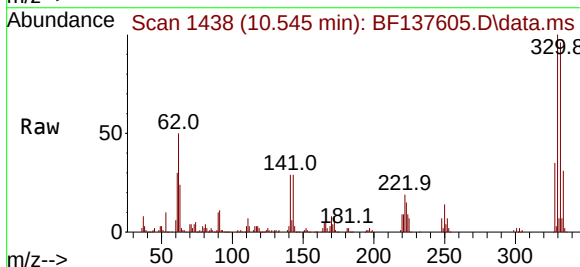
Instrument :
BNA_F
ClientSampleId :
SB-03-0-2.0

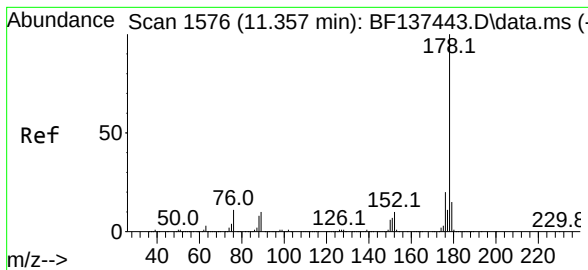
Tgt Ion:188 Resp: 373516
Ion Ratio Lower Upper
188 100
94 12.9 10.6 15.8
80 13.3 11.5 17.3



#67
4-Bromophenyl-phenylether
Concen: 3.350 ng
RT: 10.545 min Scan# 1438
Delta R.T. -0.247 min
Lab File: BF137605.D
Acq: 14 Mar 2024 22:21

Tgt Ion:248 Resp: 13630
Ion Ratio Lower Upper
248 100
250 204.3 76.8 115.2#
141 441.0 53.4 80.0#

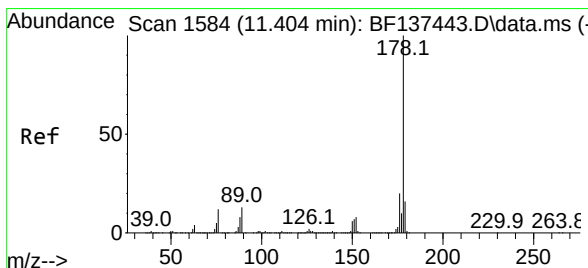
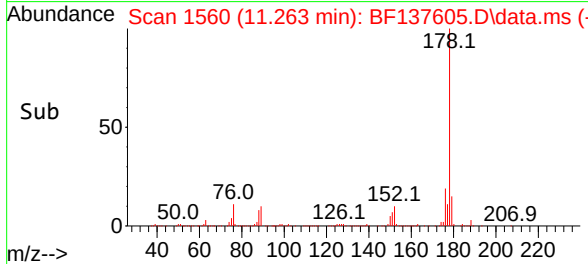
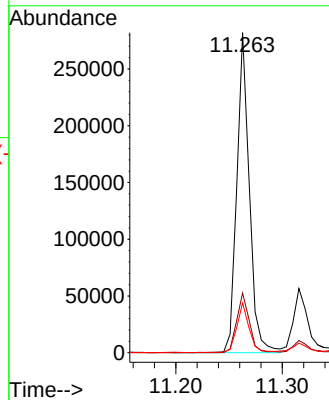
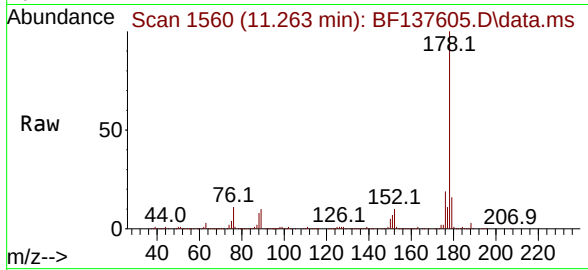




#71
Phenanthrene
Concen: 11.361 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.006 min
Lab File: BF137605.D
Acq: 14 Mar 2024 22:21

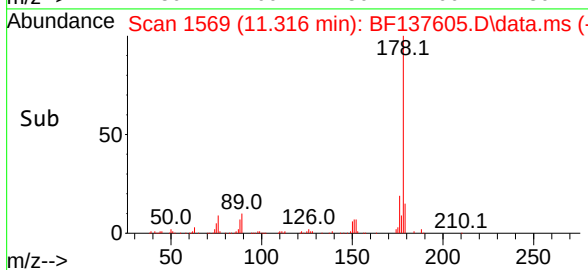
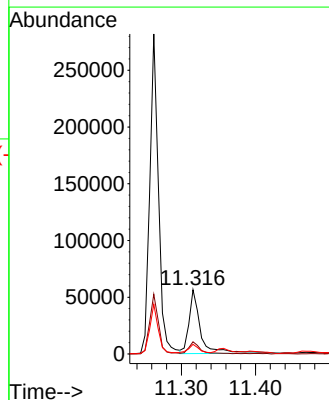
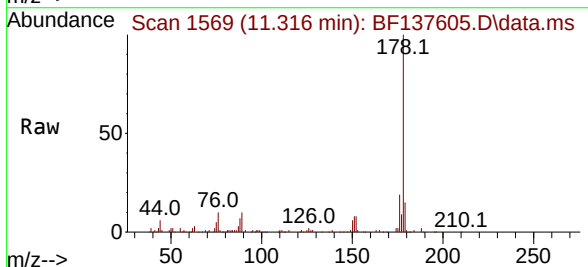
Instrument :
BNA_F
ClientSampleId :
SB-03-0-2.0

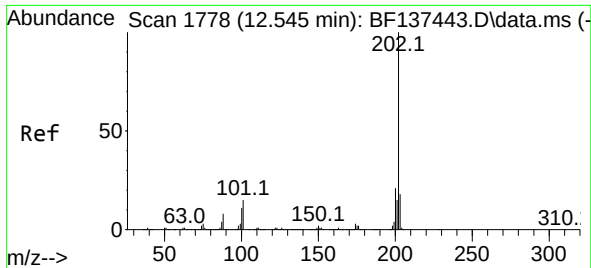
Tgt Ion:178 Resp: 230936
Ion Ratio Lower Upper
178 100
176 18.6 15.8 23.8
179 15.5 12.2 18.2



#72
Anthracene
Concen: 2.915 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BF137605.D
Acq: 14 Mar 2024 22:21

Tgt Ion:178 Resp: 60859
Ion Ratio Lower Upper
178 100
176 18.9 15.7 23.5
179 15.1 12.7 19.1

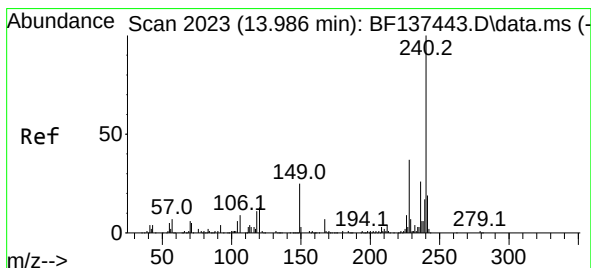
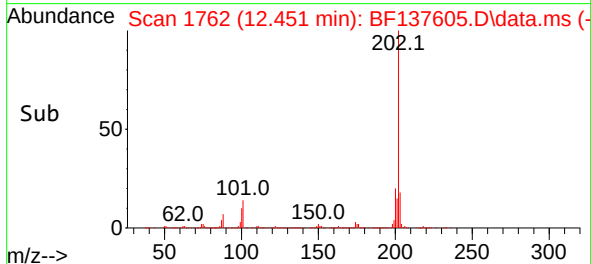
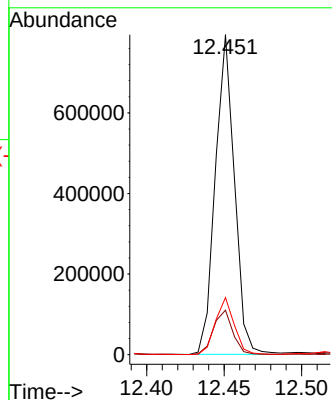
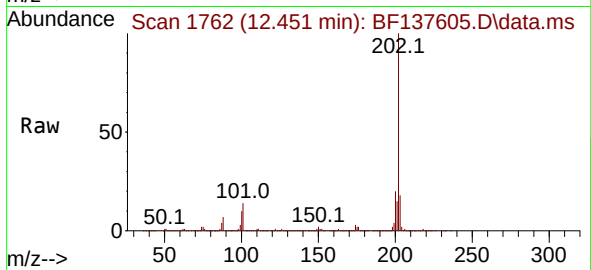




#75
Fluoranthene
Concen: 34.411 ng
RT: 12.451 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF137605.D
Acq: 14 Mar 2024 22:21

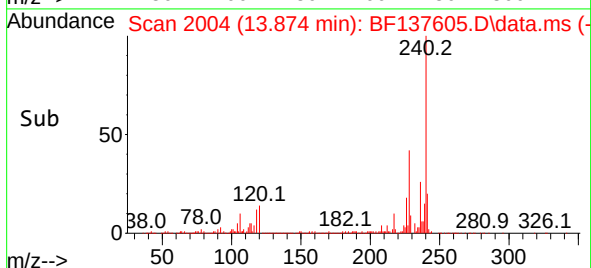
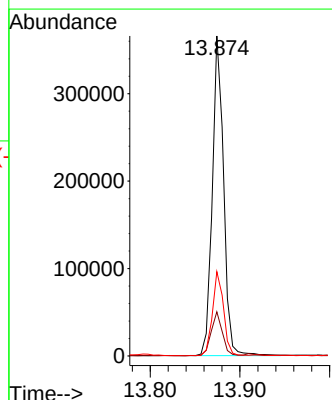
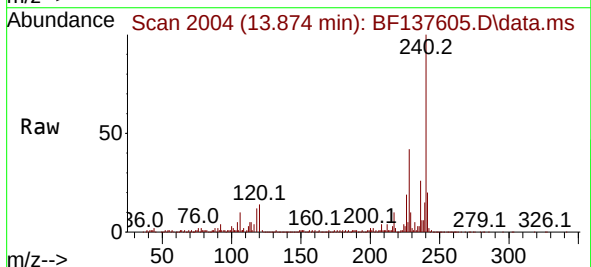
Instrument :
BNA_F
ClientSampleId :
SB-03-0-2.0

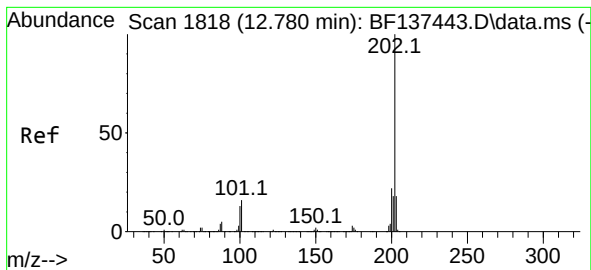
Tgt Ion:202 Resp: 683728
Ion Ratio Lower Upper
202 100
101 13.9 0.0 35.0
203 17.9 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.874 min Scan# 2004
Delta R.T. -0.000 min
Lab File: BF137605.D
Acq: 14 Mar 2024 22:21

Tgt Ion:240 Resp: 319549
Ion Ratio Lower Upper
240 100
120 13.8 10.4 15.6
236 26.4 20.9 31.3





#78

Pyrene

Concen: 20.416 ng

RT: 12.680 min Scan# 1801

Delta R.T. -0.000 min

Lab File: BF137605.D

Acq: 14 Mar 2024 22:21

Instrument :

BNA_F

ClientSampleId :

SB-03-0-2.0

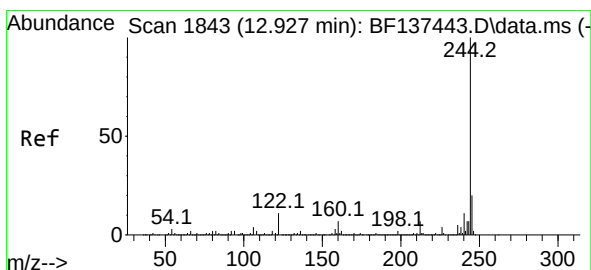
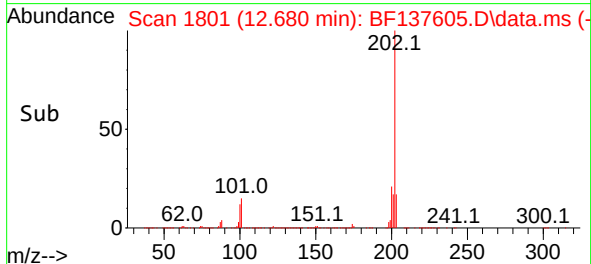
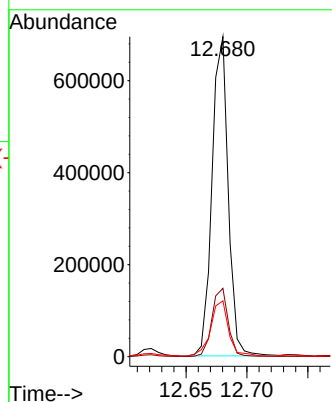
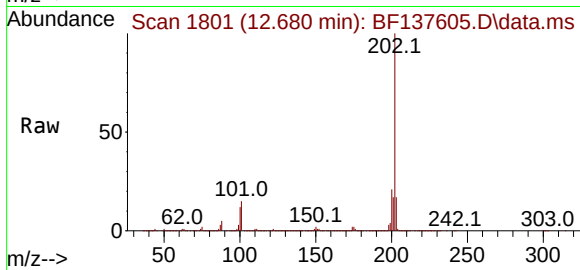
Tgt Ion:202 Resp: 640157

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

203 17.5 14.1 21.1



#79

Terphenyl-d14

Concen: 45.858 ng

RT: 12.827 min Scan# 1826

Delta R.T. -0.000 min

Lab File: BF137605.D

Acq: 14 Mar 2024 22:21

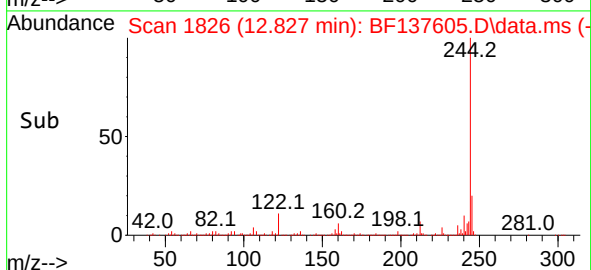
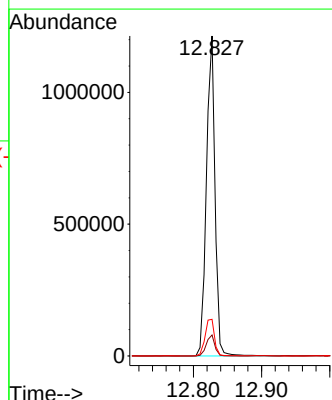
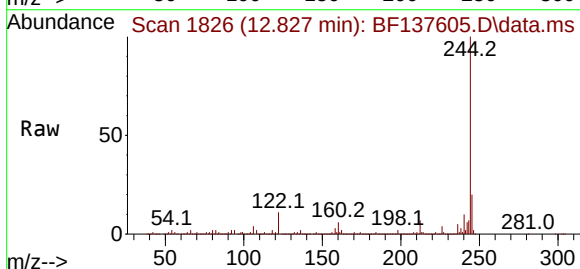
Tgt Ion:244 Resp: 1065664

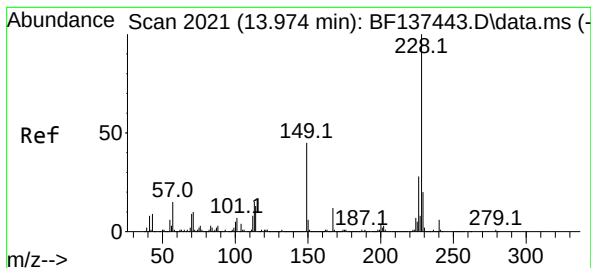
Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.2

122 11.5 9.1 13.7





#81

Benzo(a)anthracene

Concen: 20.600 ng

RT: 13.904 min Scan# 2009

Delta R.T. 0.035 min

Lab File: BF137605.D

Acq: 14 Mar 2024 22:21

Instrument :

BNA_F

ClientSampleId :

SB-03-0-2.0

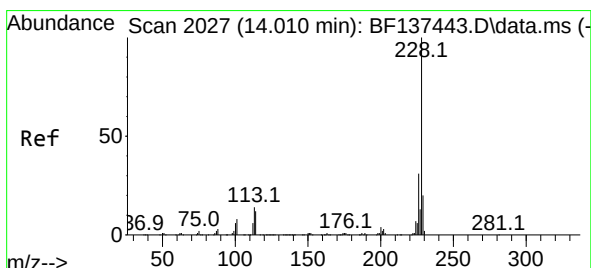
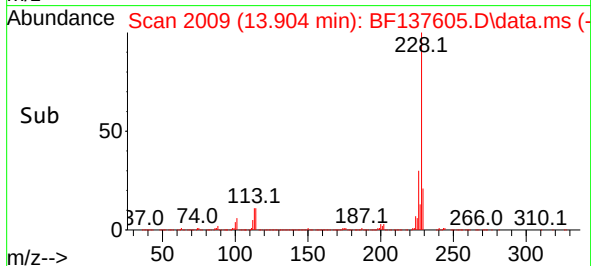
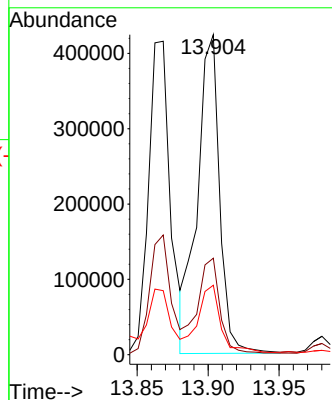
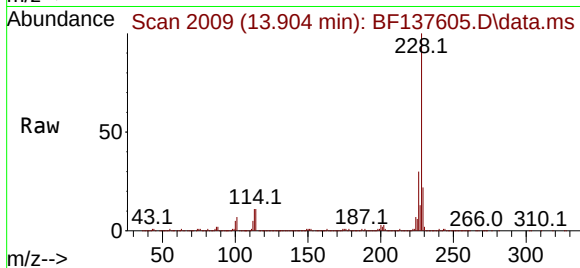
Tgt Ion:228 Resp: 461387

Ion Ratio Lower Upper

228 100

226 30.1 22.3 33.5

229 21.7 16.3 24.5



#83

Chrysene

Concen: 20.383 ng

RT: 13.904 min Scan# 2009

Delta R.T. -0.000 min

Lab File: BF137605.D

Acq: 14 Mar 2024 22:21

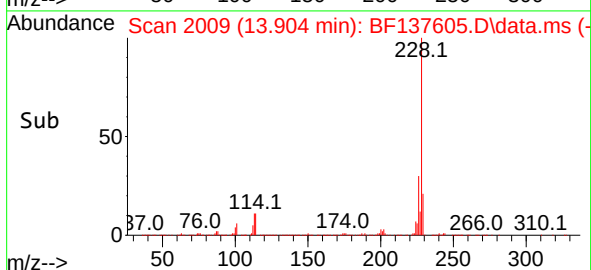
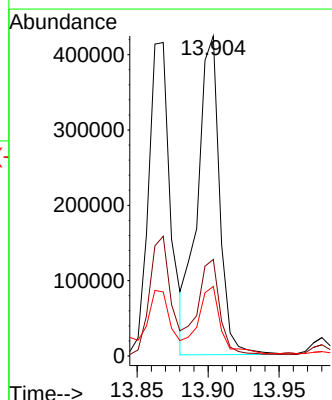
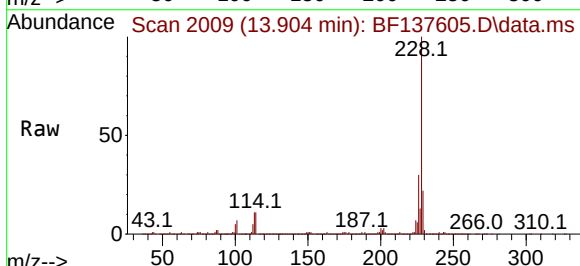
Tgt Ion:228 Resp: 461387

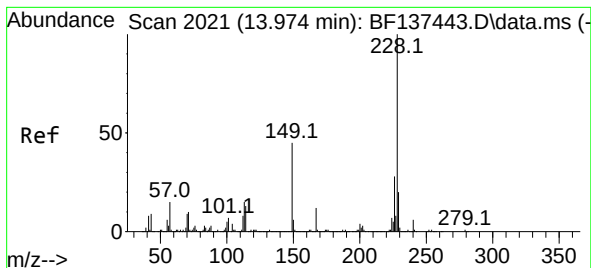
Ion Ratio Lower Upper

228 100

226 30.1 24.7 37.1

229 21.7 15.9 23.9





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.004 ng

RT: 13.863 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF137605.D

Acq: 14 Mar 2024 22:21

Instrument :

BNA_F

ClientSampleId :

SB-03-0-2.0

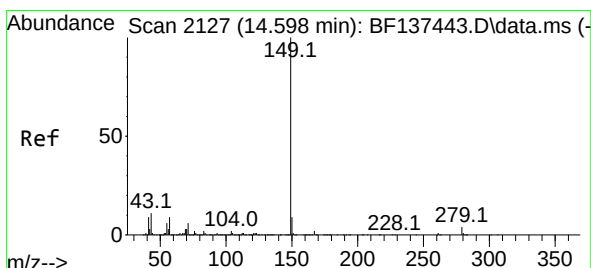
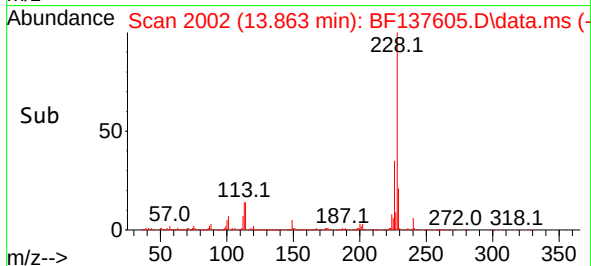
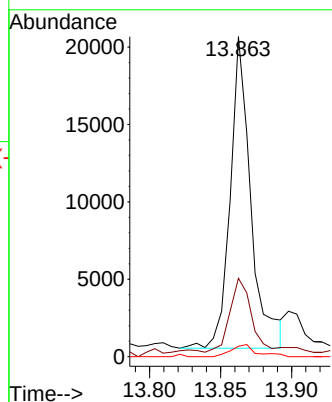
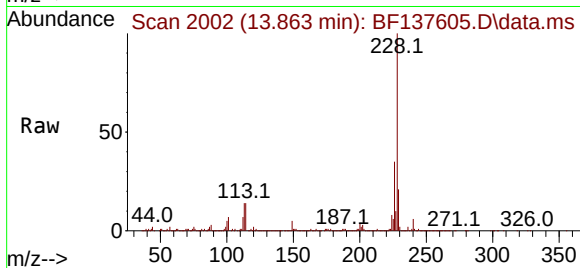
Tgt Ion:149 Resp: 20400

Ion Ratio Lower Upper

149 100

167 24.5 21.3 31.9

279 3.2 2.6 4.0



#85

Di-n-octyl phthalate

Concen: 5.750 ng

RT: 14.480 min Scan# 2107

Delta R.T. 0.006 min

Lab File: BF137605.D

Acq: 14 Mar 2024 22:21

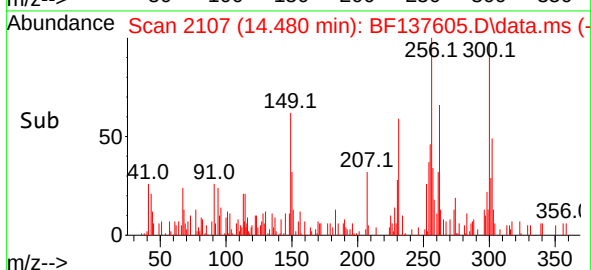
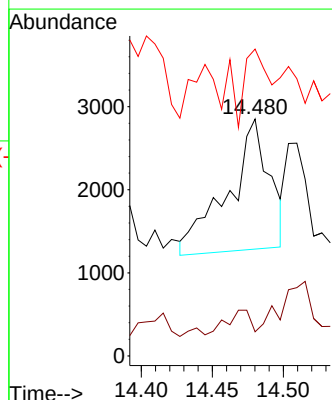
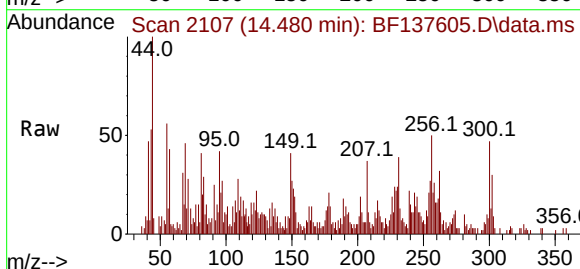
Tgt Ion:149 Resp: 3177

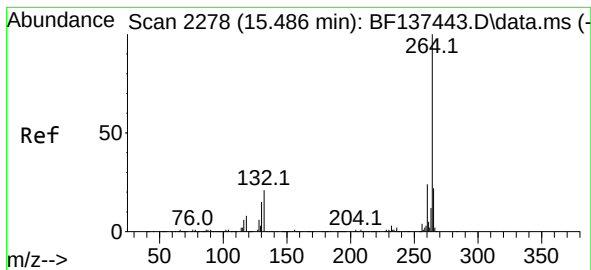
Ion Ratio Lower Upper

149 100

167 10.9 1.2 1.8#

43 33.4 9.6 14.4#



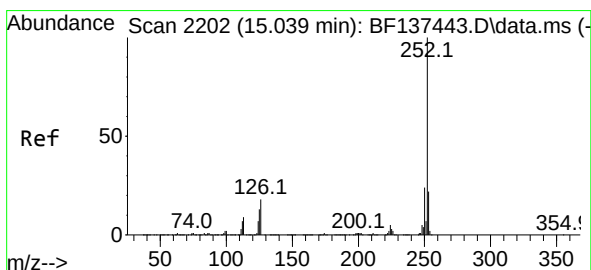
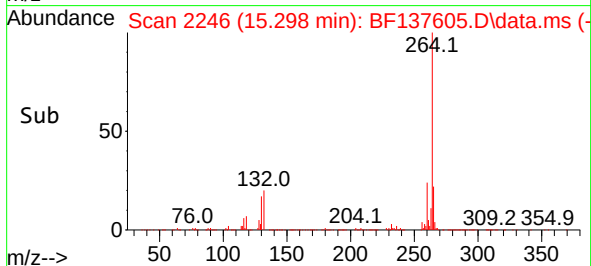
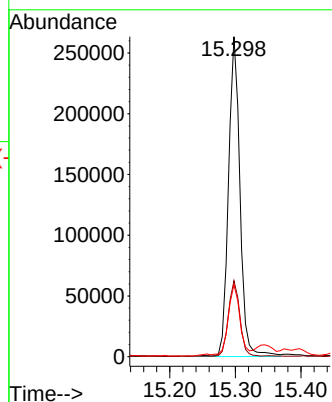
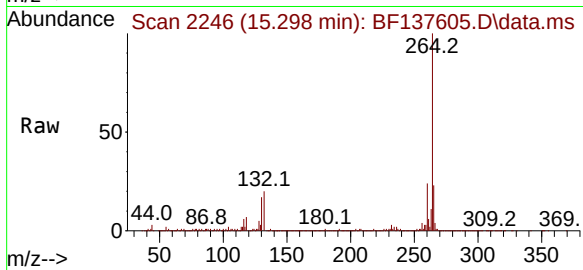


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.298 min Scan# 2177
Delta R.T. -0.000 min
Lab File: BF137605.D
Acq: 14 Mar 2024 22:21

Instrument :
BNA_F
ClientSampleId :
SB-03-0-2.0

Tgt Ion:264 Resp: 319874

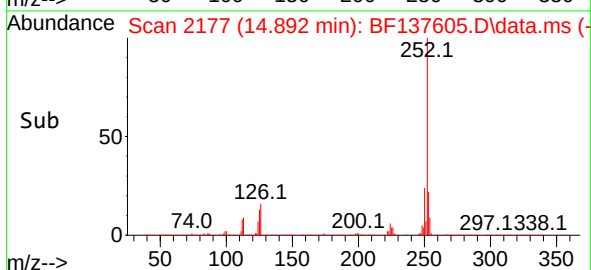
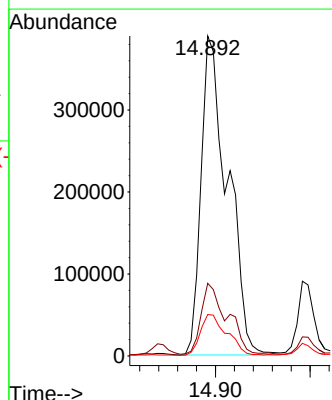
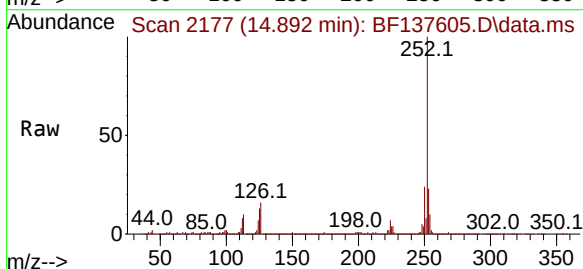
Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.3	28.9
265	22.5	17.4	26.0

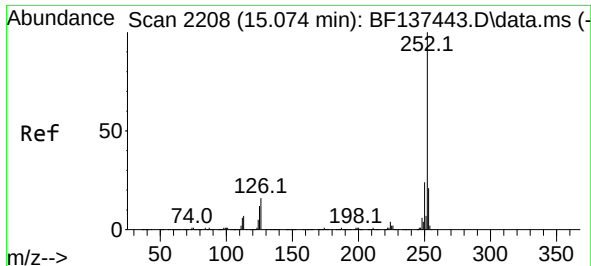


#88
Benzo(b)fluoranthene
Concen: 40.086 ng
RT: 14.892 min Scan# 2177
Delta R.T. -0.000 min
Lab File: BF137605.D
Acq: 14 Mar 2024 22:21

Tgt Ion:252 Resp: 758503

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.8
125	12.9	10.1	15.1

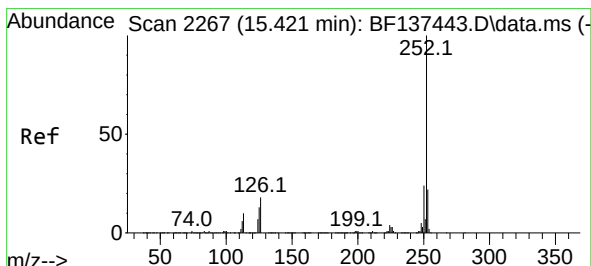
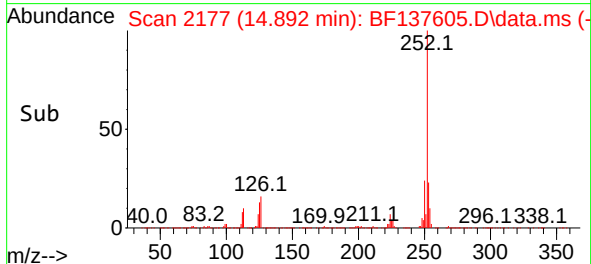
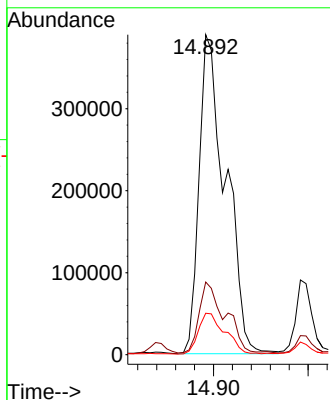
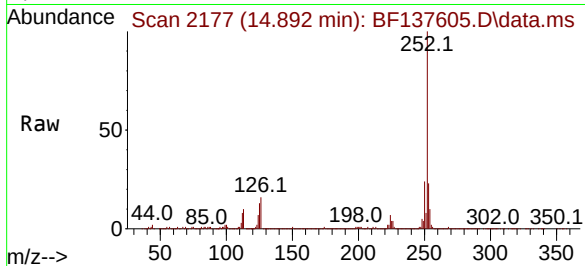




#89
Benzo(k)fluoranthene
Concen: 37.321 ng
RT: 14.892 min Scan# 2177
Delta R.T. -0.030 min
Lab File: BF137605.D
Acq: 14 Mar 2024 22:21

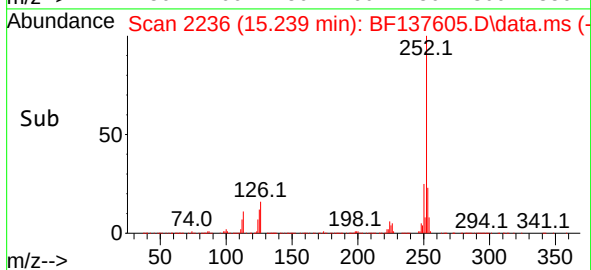
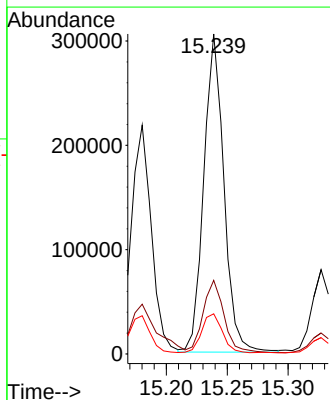
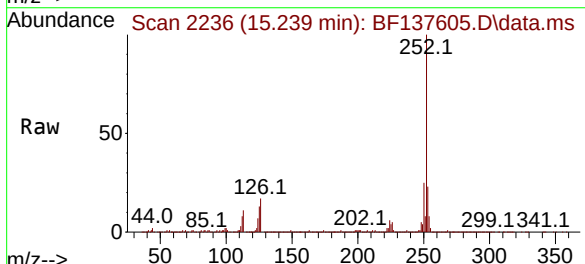
Instrument :
BNA_F
ClientSampleId :
SB-03-0-2.0

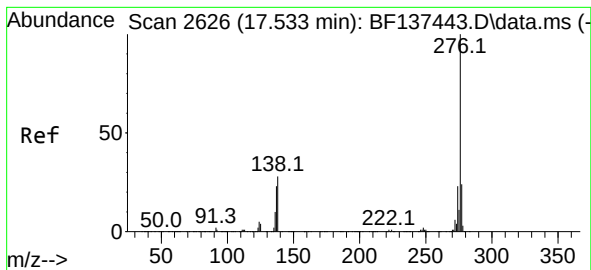
Tgt Ion:252 Resp: 758503
Ion Ratio Lower Upper
252 100
253 22.7 17.3 25.9
125 12.9 9.6 14.4



#90
Benzo(a)pyrene
Concen: 18.830 ng
RT: 15.239 min Scan# 2236
Delta R.T. -0.000 min
Lab File: BF137605.D
Acq: 14 Mar 2024 22:21

Tgt Ion:252 Resp: 351118
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.2
125 12.5 10.4 15.6





#92

Benzo(g,h,i)perylene

Concen: 8.334 ng

RT: 17.098 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF137605.D

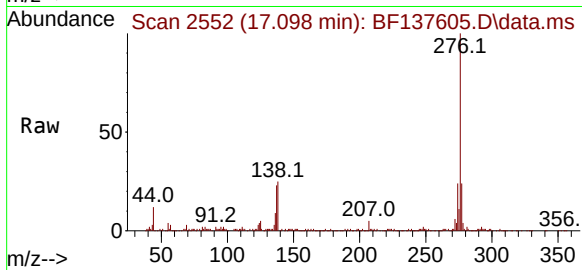
Acq: 14 Mar 2024 22:21

Instrument :

BNA_F

ClientSampleId :

SB-03-0-2.0



Tgt Ion:276 Resp: 146155

Ion Ratio Lower Upper

276 100

277 23.9 19.0 28.4

138 25.5 22.2 33.2

