

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121323\
 Data File : BF136553.D
 Acq On : 13 Dec 2023 23:26
 Operator : CG\JU
 Sample : 05466-01DL 10XRE
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB21144DL

Quant Time: Dec 14 01:46:43 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 06 09:40:27 2023
 Response via : Initial Calibration

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

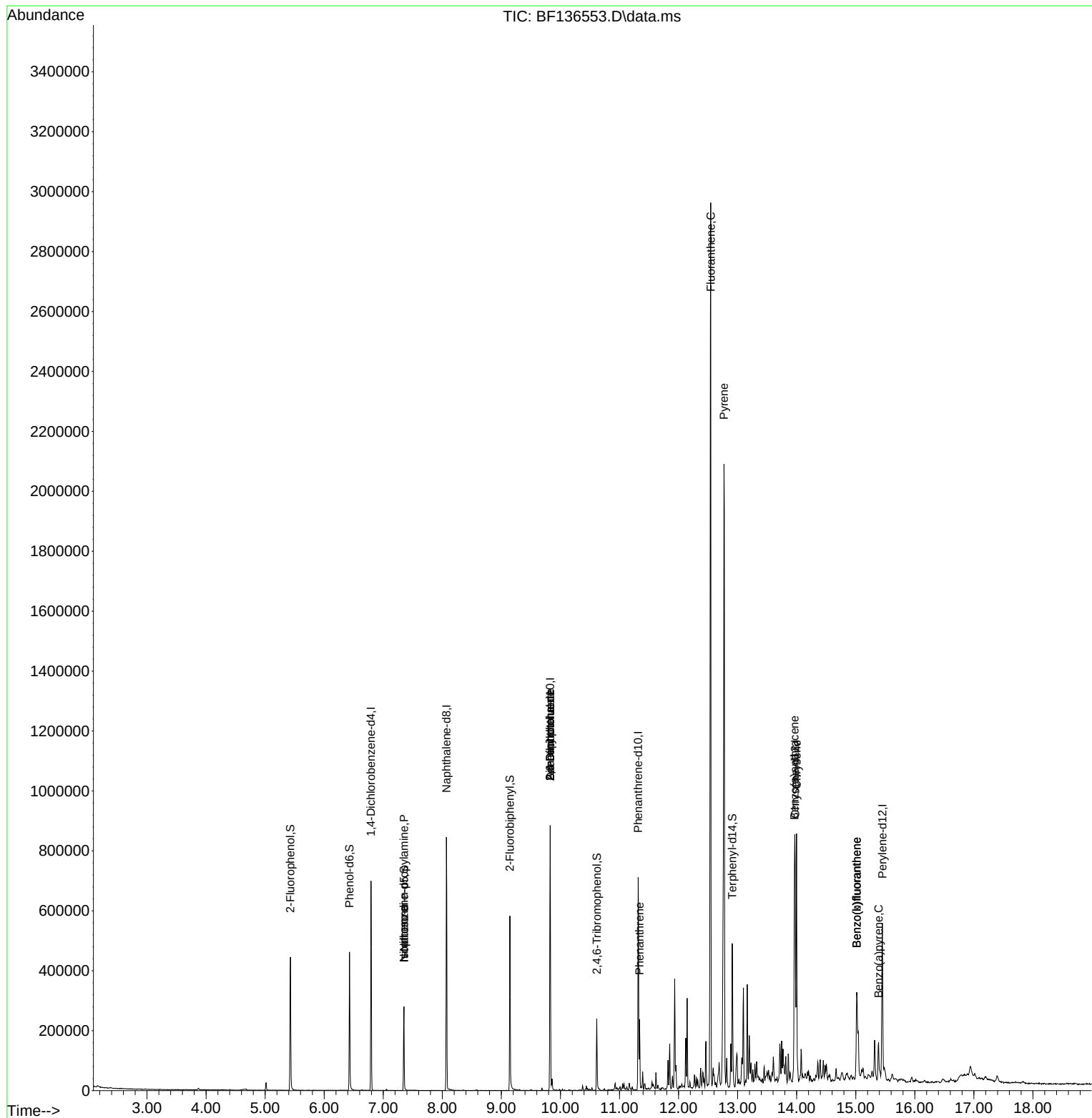
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	97418	20.000	ng	-0.01
21) Naphthalene-d8	8.069	136	370510	20.000	ng	-0.01
39) Acenaphthene-d10	9.828	164	168999	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	262307	20.000	ng	-0.01
76) Chrysene-d12	13.974	240	206512	20.000	ng	0.00
86) Perylene-d12	15.451	264	226746	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	117216	17.770	ng	0.00
7) Phenol-d6	6.428	99	144635	17.574	ng	-0.02
23) Nitrobenzene-d5	7.351	82	77397	11.293	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	26993	12.954	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	173731	14.027	ng	-0.02
79) Terphenyl-d14	12.910	244	152828	9.754	ng	-0.01
Target Compounds					Qvalue	
9) Benzaldehyde	6.428	77	220	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.351	70	10267	2.163	ng	# 74
25) Isophorone	7.351	82	77395	6.286	ng	# 65
50) Dimethylphthalate	9.828	163	33122	2.662	ng	# 1
51) 2,6-Dinitrotoluene	9.828	165	20746	7.411	ng	# 29
57) 2,4-Dinitrotoluene	9.828	165	20746	5.603	ng	# 29
71) Phenanthrene	11.339	178	78585	5.451	ng	97
75) Fluoranthene	12.545	202	1237001	81.873	ng	99
77) Benzidine	12.910	184	2162	Below Cal	#	80
78) Pyrene	12.769	202	961136	47.522	ng	97
81) Benzo(a)anthracene	13.963	228	205722	14.301	ng	97
83) Chrysene	13.998	228	307787	21.748	ng	97
88) Benzo(b)fluoranthene	15.015	252	222466	14.350	ng	98
89) Benzo(k)fluoranthene	15.015	252	222466	15.227	ng	98
90) Benzo(a)pyrene	15.386	252	63213	4.937	ng	98

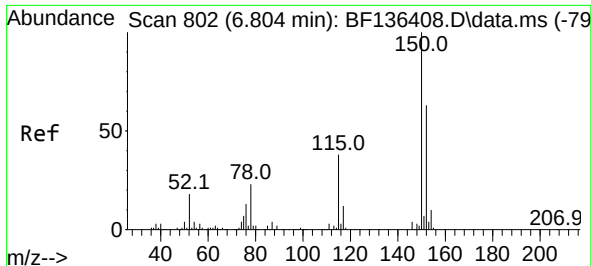
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 14 01:46:43 2023
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 06 09:40:27 2023
Response via : Initial Calibration

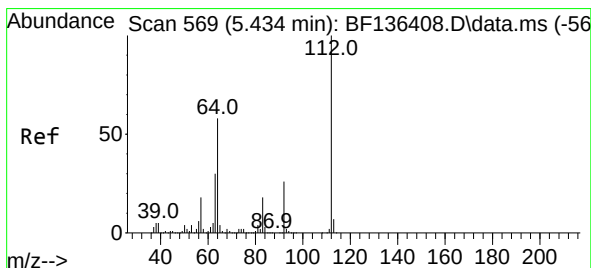
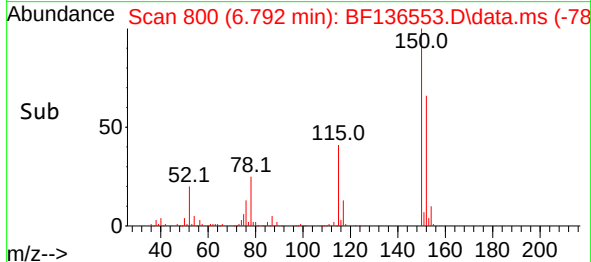
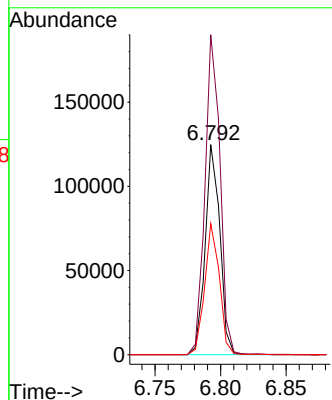
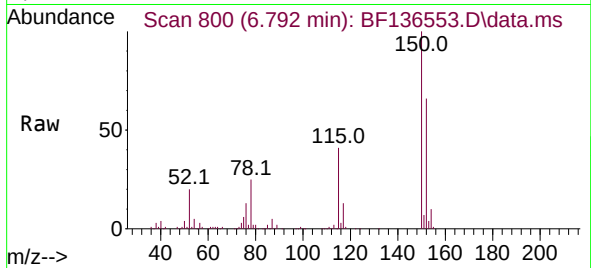




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 802
Delta R.T. -0.012 min
Lab File: BF136553.D
Acq: 13 Dec 2023 23:26

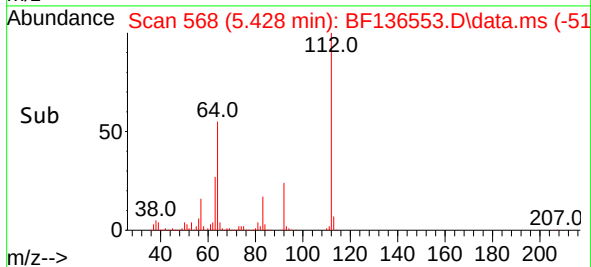
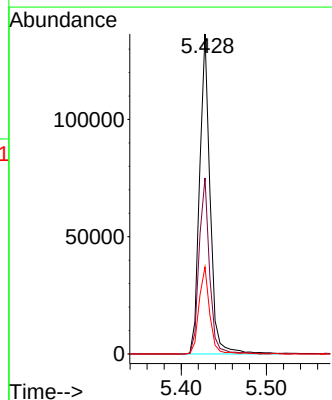
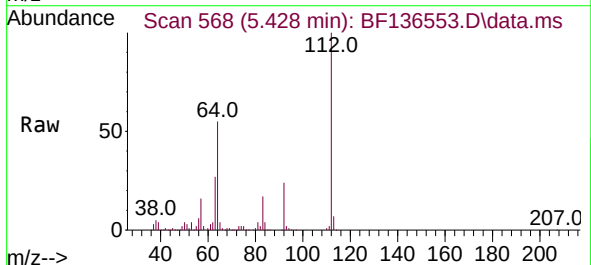
Instrument :
BNA_F
ClientSampleId :
RB21144DL

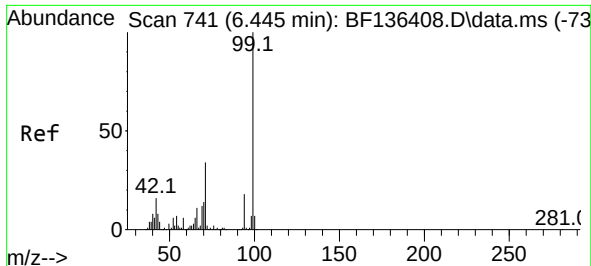
Tgt Ion:152 Resp: 97418
Ion Ratio Lower Upper
152 100
150 152.3 126.4 189.6
115 62.4 48.2 72.4



#5
2-Fluorophenol
Concen: 17.770 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.006 min
Lab File: BF136553.D
Acq: 13 Dec 2023 23:26

Tgt Ion:112 Resp: 117216
Ion Ratio Lower Upper
112 100
64 55.0 46.5 69.7
63 27.2 23.9 35.9

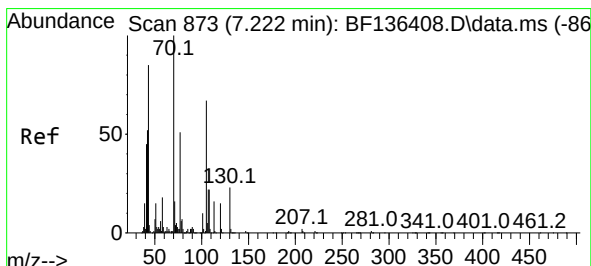
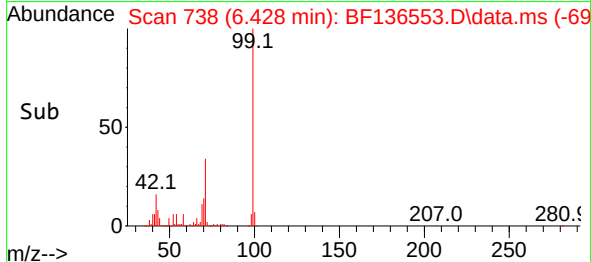
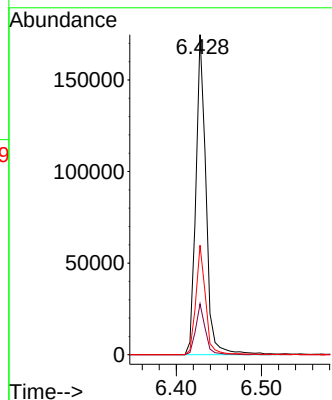
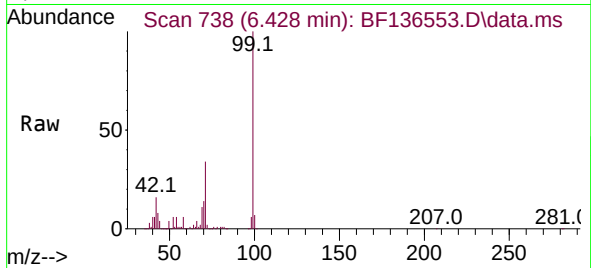




#7
Phenol-d6
Concen: 17.574 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF136553.D
Acq: 13 Dec 2023 23:26

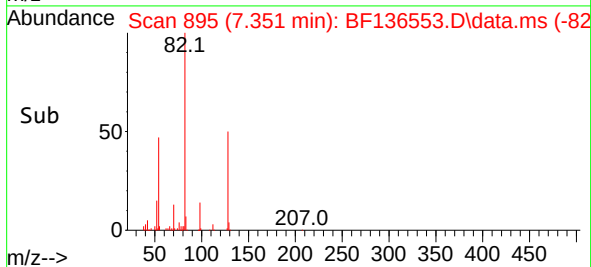
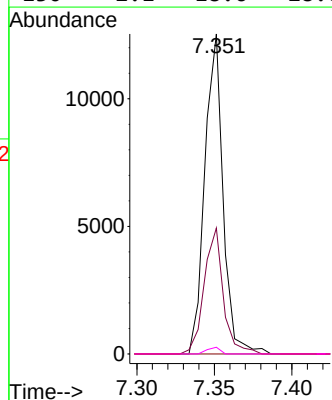
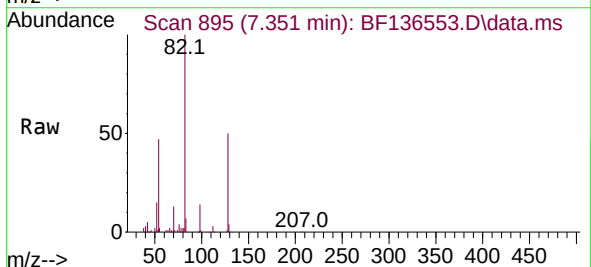
Instrument :
BNA_F
ClientSampleId :
RB21144DL

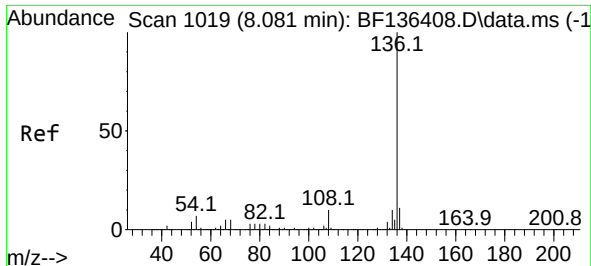
Tgt Ion: 99 Resp: 144635
Ion Ratio Lower Upper
99 100
42 15.9 12.8 19.2
71 34.2 27.0 40.4



#19
n-Nitroso-di-n-propylamine
Concen: 2.163 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.129 min
Lab File: BF136553.D
Acq: 13 Dec 2023 23:26

Tgt Ion: 70 Resp: 10267
Ion Ratio Lower Upper
70 100
42 39.3 41.4 62.0#
101 0.0 8.2 12.4#
130 2.1 18.6 28.0#

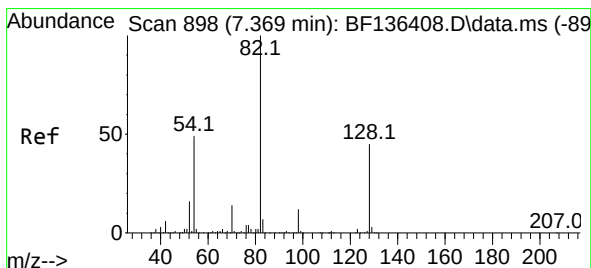
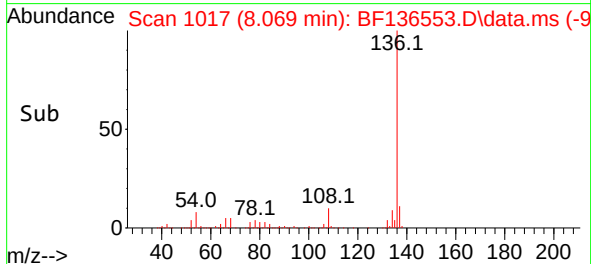
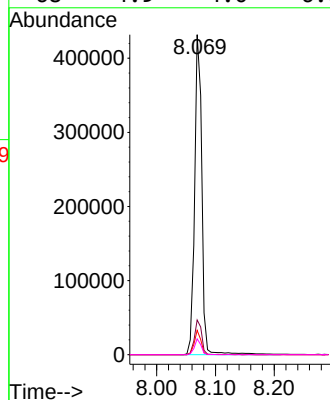
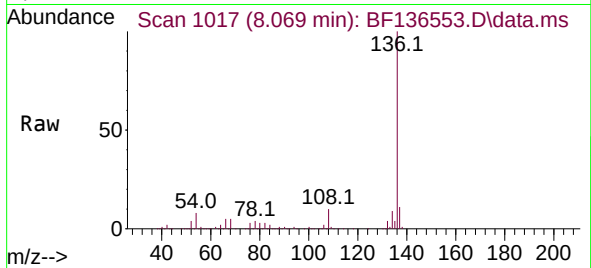




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1019
Delta R.T. -0.012 min
Lab File: BF136553.D
Acq: 13 Dec 2023 23:26

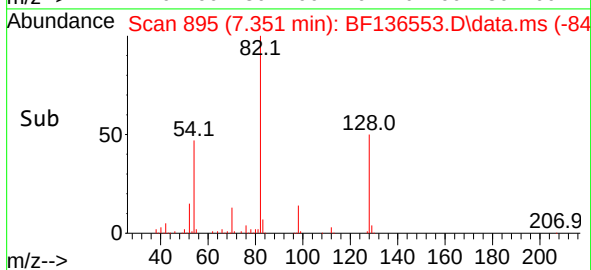
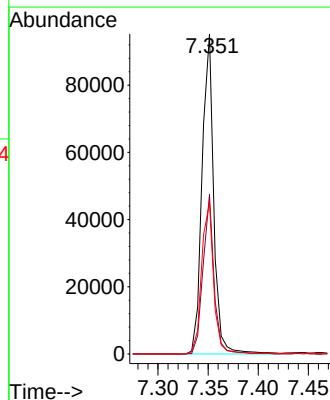
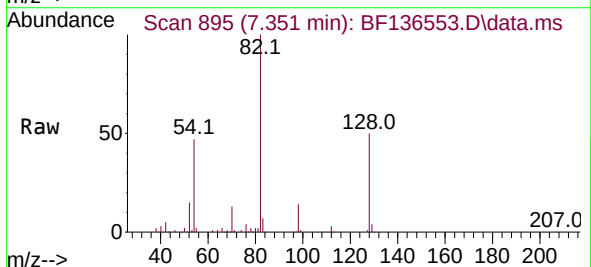
Instrument :
BNA_F
ClientSampleId :
RB21144DL

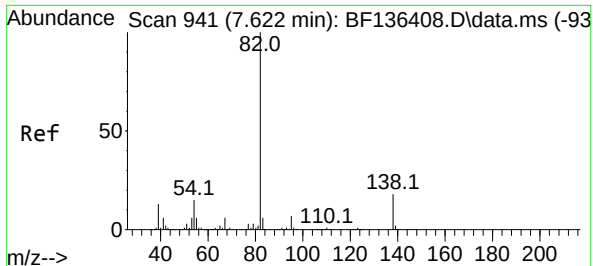
Tgt Ion:136 Resp: 370510
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 7.6 5.7 8.5
68 4.9 4.0 6.0



#23
Nitrobenzene-d5
Concen: 11.293 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF136553.D
Acq: 13 Dec 2023 23:26

Tgt Ion: 82 Resp: 77397
Ion Ratio Lower Upper
82 100
128 49.8 36.3 54.5
54 47.2 39.0 58.6

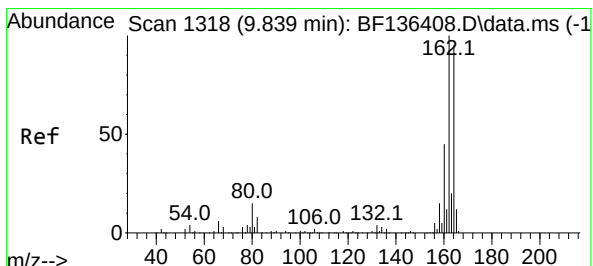
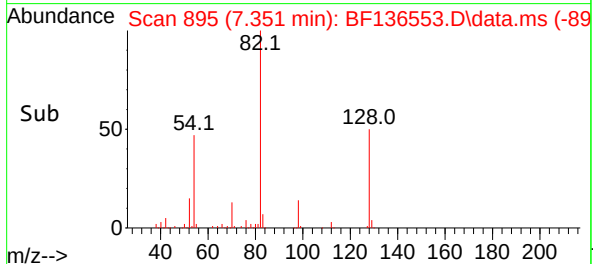
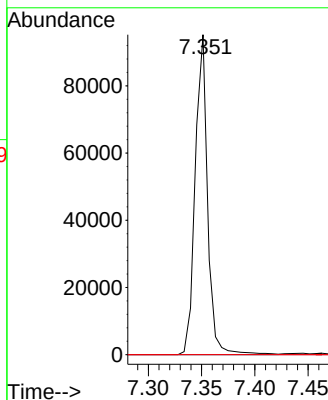
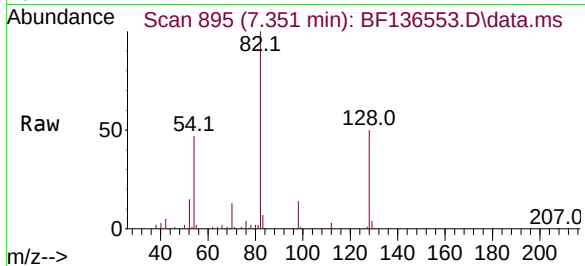




#25
Isophorone
Concen: 6.286 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.271 min
Lab File: BF136553.D
Acq: 13 Dec 2023 23:26

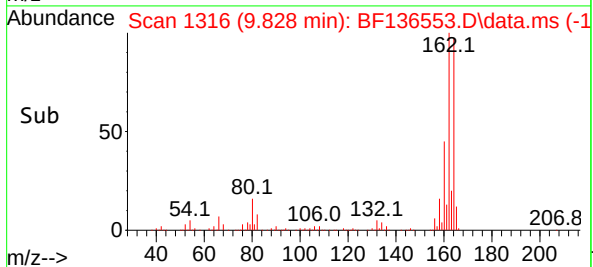
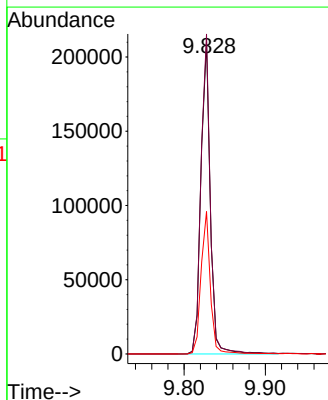
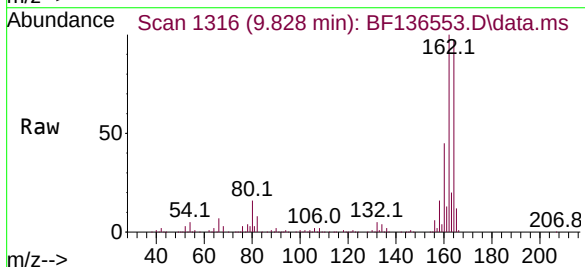
Instrument :
BNA_F
ClientSampleId :
RB21144DL

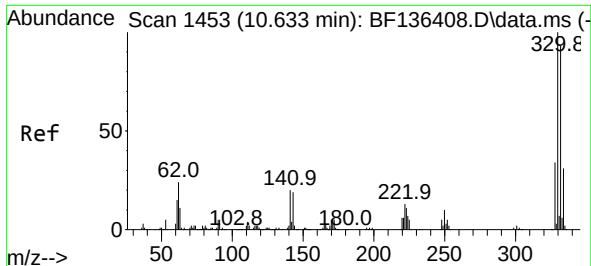
Tgt Ion: 82 Resp: 77395
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF136553.D
Acq: 13 Dec 2023 23:26

Tgt Ion:164 Resp: 168999
Ion Ratio Lower Upper
164 100
162 102.6 84.4 126.6
160 45.7 37.6 56.4





#42

2,4,6-Tribromophenol

Concen: 12.954 ng

RT: 10.616 min Scan# 1453

Delta R.T. -0.018 min

Lab File: BF136553.D

Acq: 13 Dec 2023 23:26

Instrument :

BNA_F

ClientSampleId :

RB21144DL

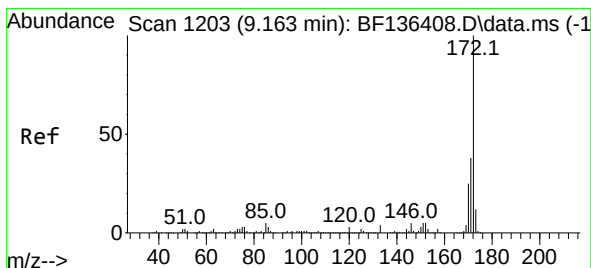
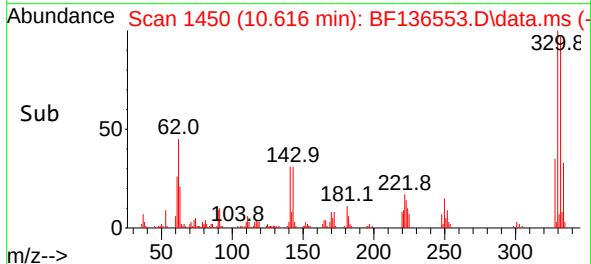
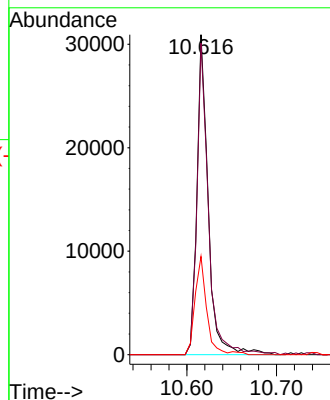
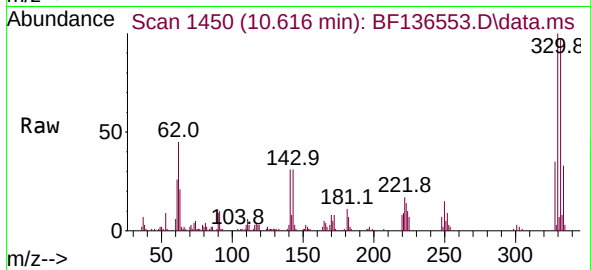
Tgt Ion:330 Resp: 26993

Ion Ratio Lower Upper

330 100

332 98.8 76.4 114.6

141 32.0 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 14.027 ng

RT: 9.145 min Scan# 1200

Delta R.T. -0.018 min

Lab File: BF136553.D

Acq: 13 Dec 2023 23:26

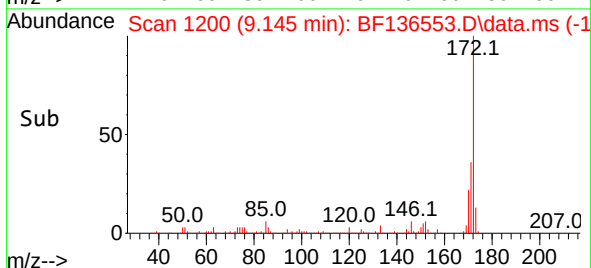
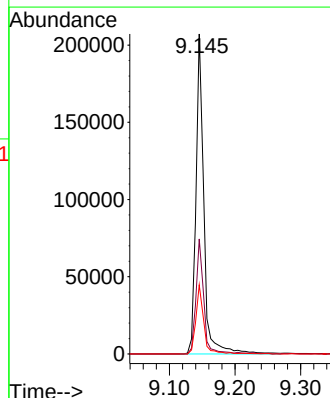
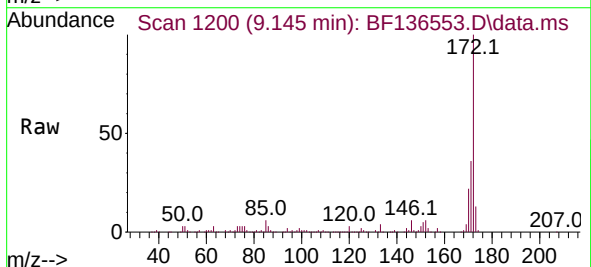
Tgt Ion:172 Resp: 173731

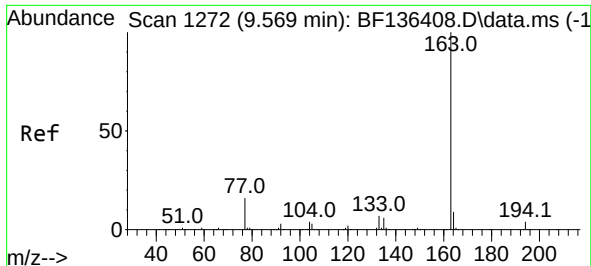
Ion Ratio Lower Upper

172 100

171 36.0 30.5 45.7

170 21.6 19.9 29.9

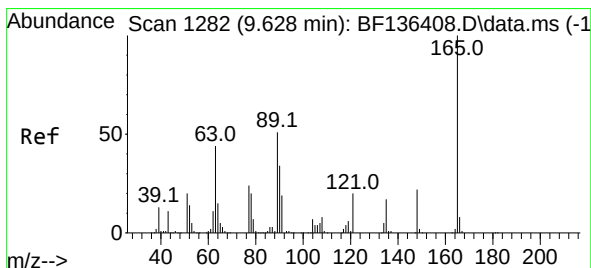
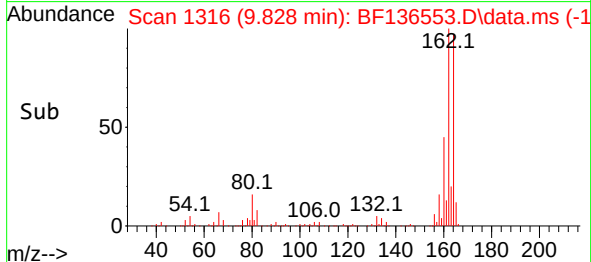
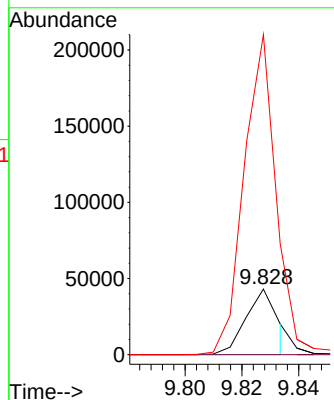
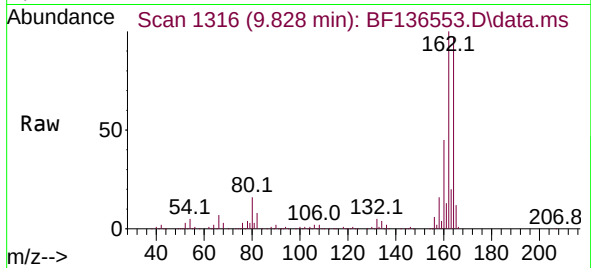




#50
Dimethylphthalate
Concen: 2.662 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.259 min
Lab File: BF136553.D
Acq: 13 Dec 2023 23:26

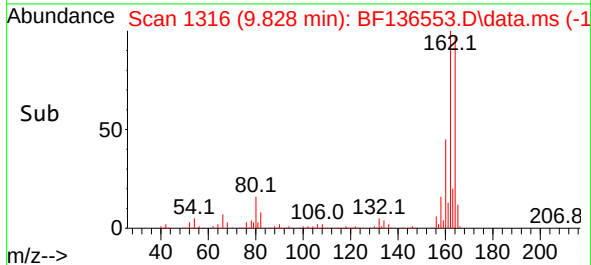
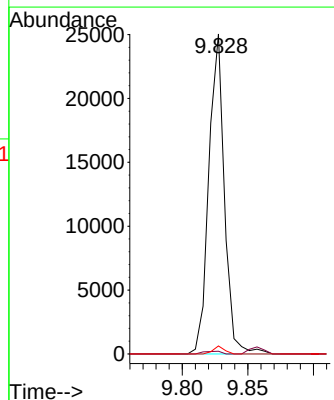
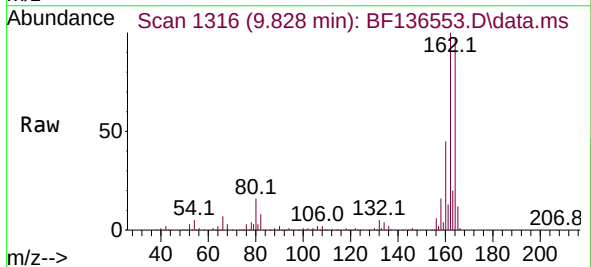
Instrument :
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ClientSampleId :
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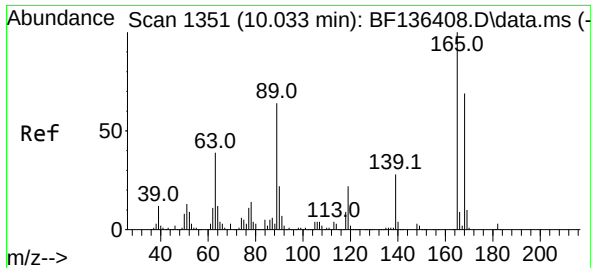
Tgt Ion:163 Resp: 33122
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 487.6 7.4 11.2#



#51
2,6-Dinitrotoluene
Concen: 7.411 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.200 min
Lab File: BF136553.D
Acq: 13 Dec 2023 23:26

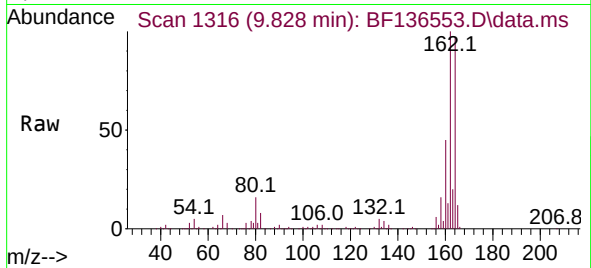
Tgt Ion:165 Resp: 20746
Ion Ratio Lower Upper
165 100
63 0.9 40.4 60.6#
89 2.5 40.6 60.8#



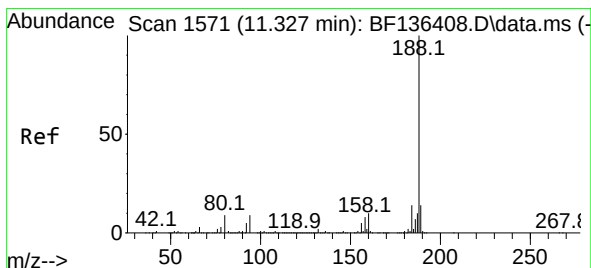
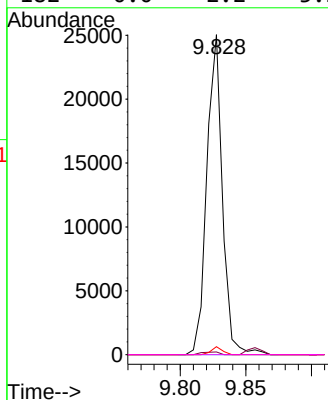
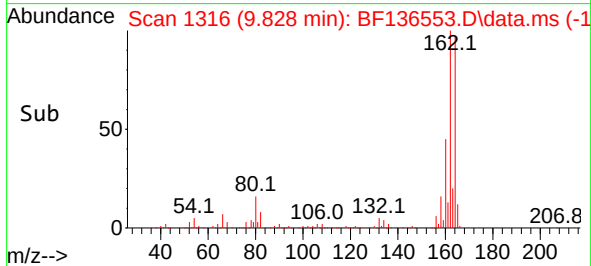


#57
2,4-Dinitrotoluene
Concen: 5.603 ng
RT: 9.828 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF136553.D
Acq: 13 Dec 2023 23:26

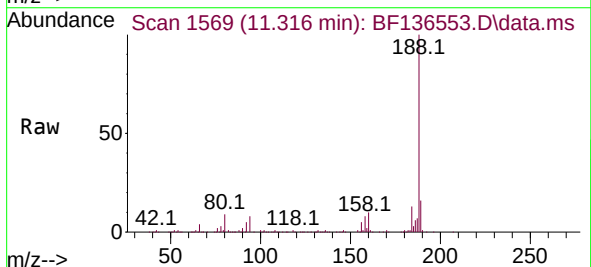
Instrument :
BNA_F
ClientSampleId :
RB21144DL



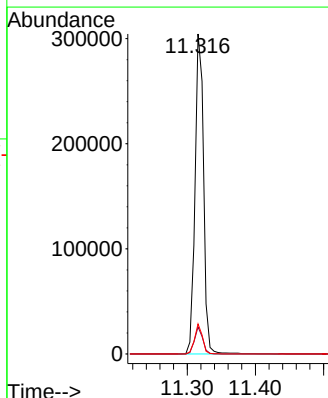
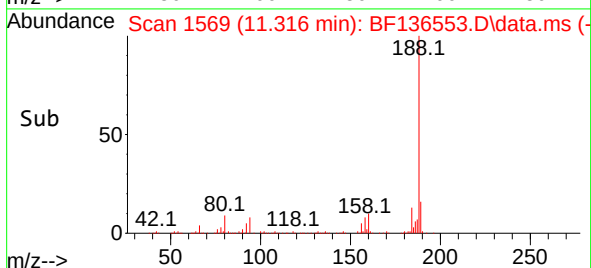
Tgt Ion:165 Resp: 20746
Ion Ratio Lower Upper
165 100
63 0.9 31.4 47.2#
89 2.5 51.7 77.5#
182 0.0 2.2 3.2#

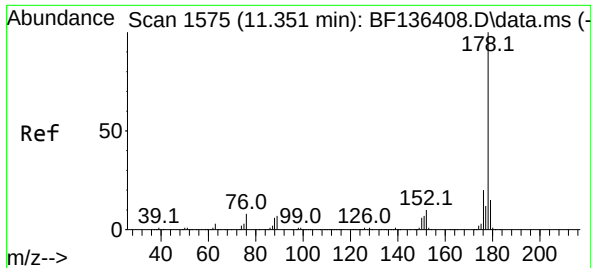


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF136553.D
Acq: 13 Dec 2023 23:26



Tgt Ion:188 Resp: 262307
Ion Ratio Lower Upper
188 100
94 8.5 7.2 10.8
80 9.4 7.2 10.8

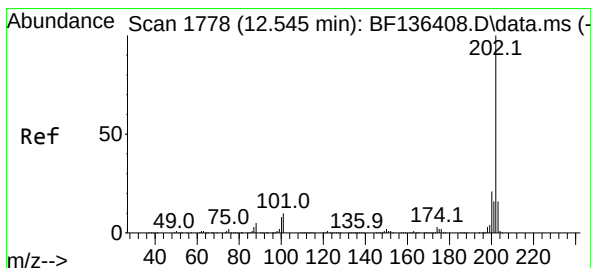
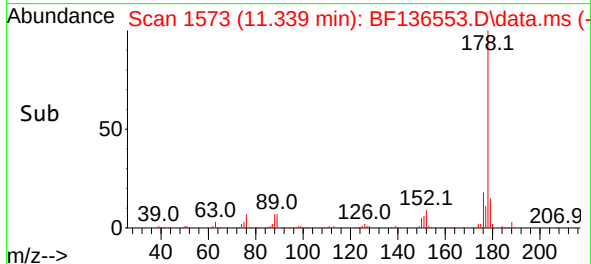
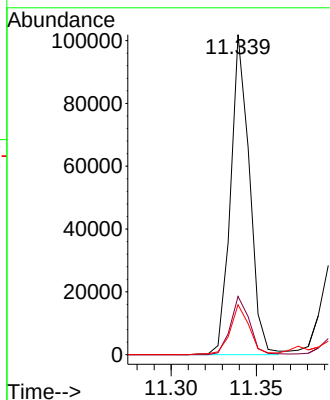
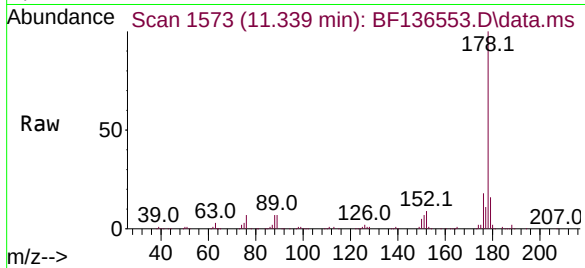




#71
Phenanthrene
Concen: 5.451 ng
RT: 11.339 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136553.D
Acq: 13 Dec 2023 23:26

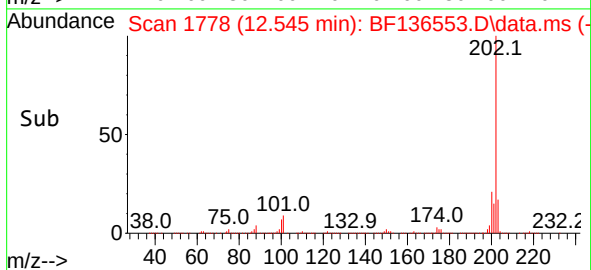
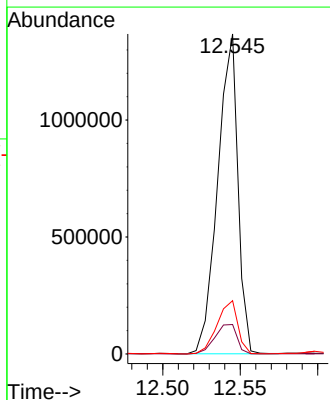
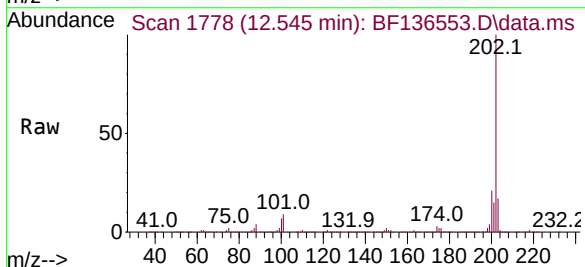
Instrument :
BNA_F
ClientSampleId :
RB21144DL

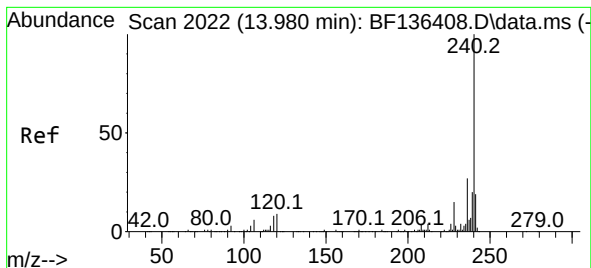
Tgt Ion:178 Resp: 78585
Ion Ratio Lower Upper
178 100
176 18.2 15.9 23.9
179 15.6 11.8 17.6



#75
Fluoranthene
Concen: 81.873 ng
RT: 12.545 min Scan# 1778
Delta R.T. 0.000 min
Lab File: BF136553.D
Acq: 13 Dec 2023 23:26

Tgt Ion:202 Resp: 1237001
Ion Ratio Lower Upper
202 100
101 9.2 0.0 29.9
203 16.7 0.0 36.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136553.D

Acq: 13 Dec 2023 23:26

Instrument :

BNA_F

ClientSampleId :

RB21144DL

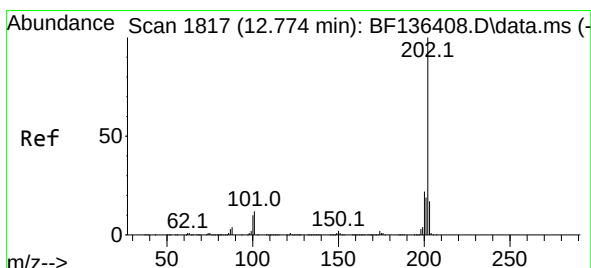
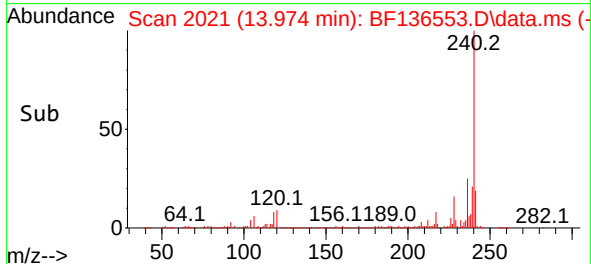
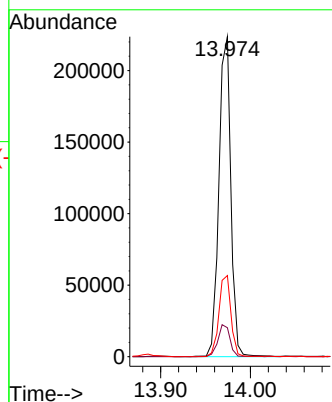
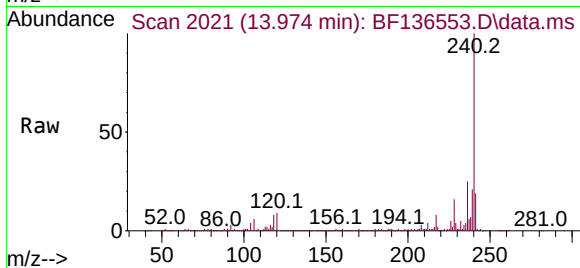
Tgt Ion:240 Resp: 206512

Ion Ratio Lower Upper

240 100

120 9.0 7.3 10.9

236 25.3 21.3 31.9



#78

Pyrene

Concen: 47.522 ng

RT: 12.769 min Scan# 1816

Delta R.T. -0.006 min

Lab File: BF136553.D

Acq: 13 Dec 2023 23:26

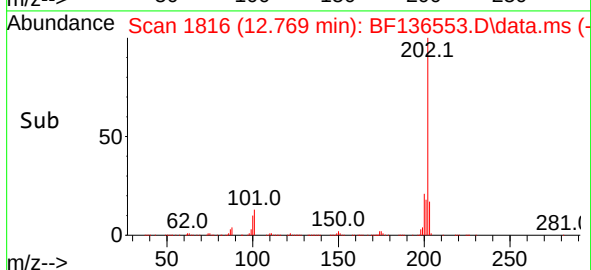
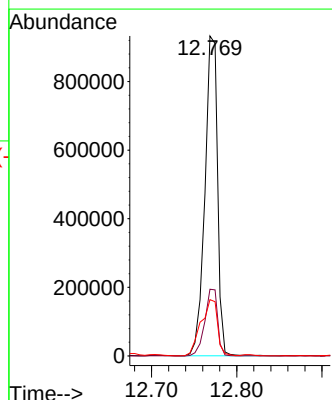
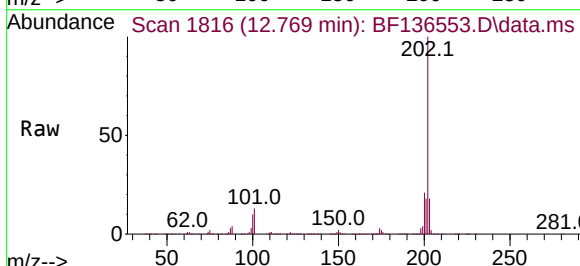
Tgt Ion:202 Resp: 961136

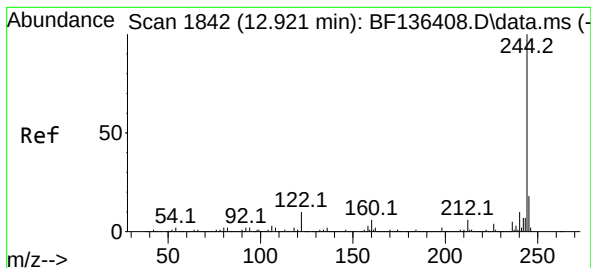
Ion Ratio Lower Upper

202 100

200 20.9 18.0 27.0

203 17.6 13.5 20.3





#79

Terphenyl-d14

Concen: 9.754 ng

RT: 12.910 min Scan# 1842

Delta R.T. -0.012 min

Lab File: BF136553.D

Acq: 13 Dec 2023 23:26

Instrument :

BNA_F

ClientSampleId :

RB21144DL

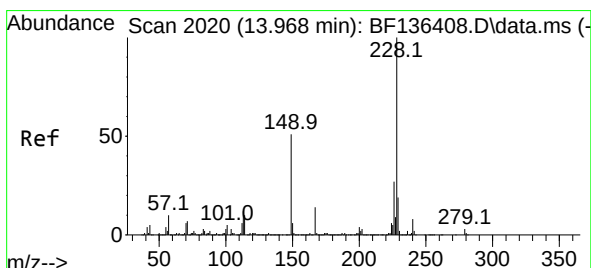
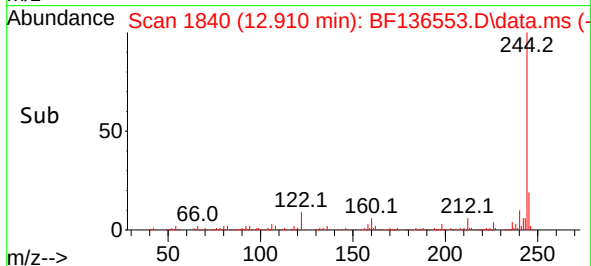
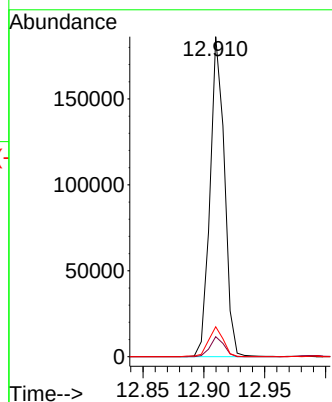
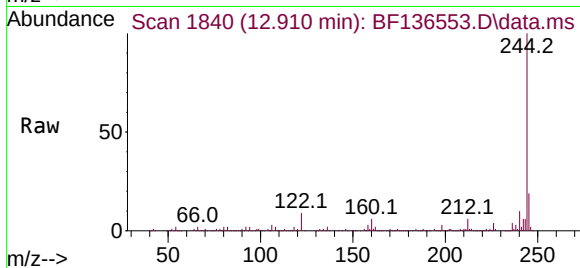
Tgt Ion:244 Resp: 152828

Ion Ratio Lower Upper

244 100

212 6.3 5.0 7.4

122 9.3 8.3 12.5



#81

Benzo(a)anthracene

Concen: 14.301 ng

RT: 13.963 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF136553.D

Acq: 13 Dec 2023 23:26

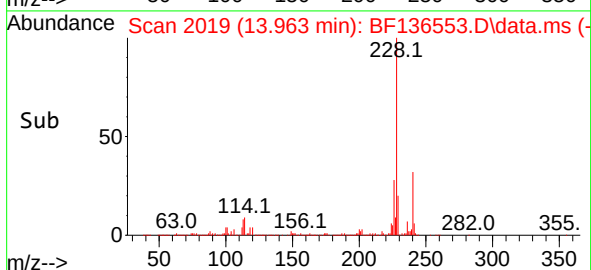
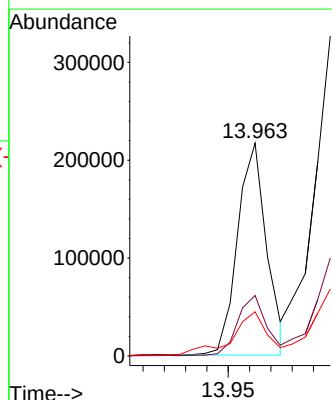
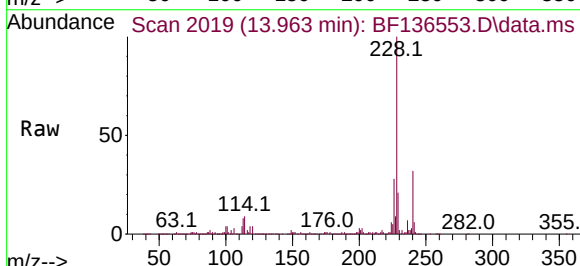
Tgt Ion:228 Resp: 205722

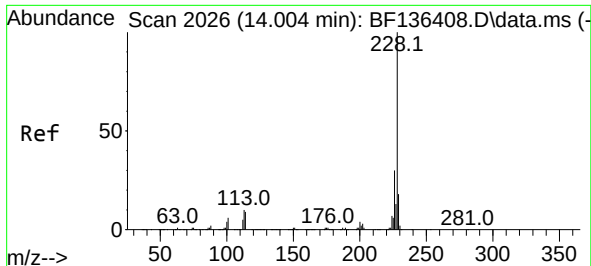
Ion Ratio Lower Upper

228 100

226 28.4 21.8 32.8

229 20.8 15.0 22.4

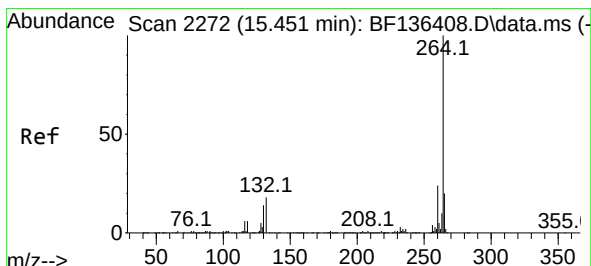
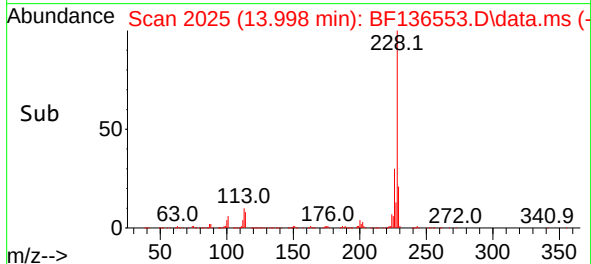
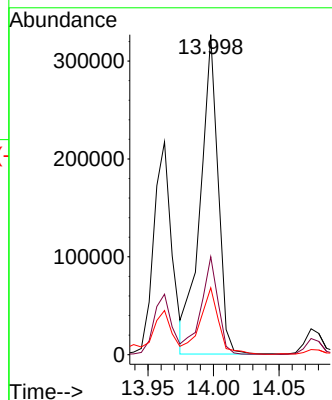
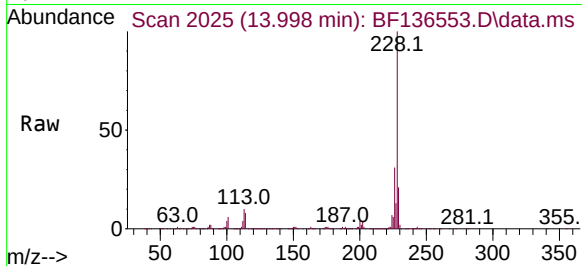




#83
Chrysene
Concen: 21.748 ng
RT: 13.998 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF136553.D
Acq: 13 Dec 2023 23:26

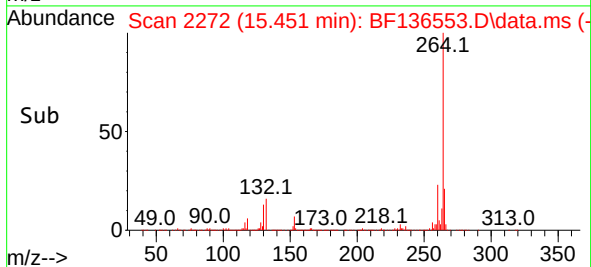
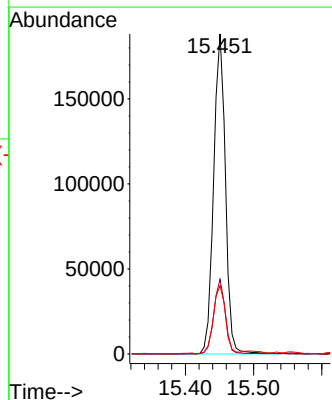
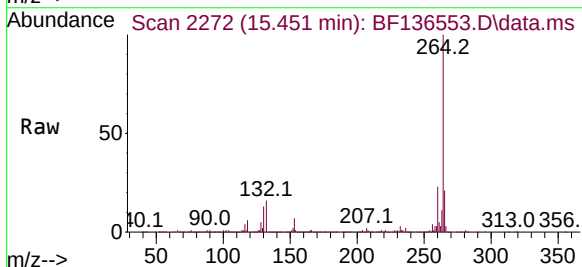
Instrument :
BNA_F
ClientSampleId :
RB21144DL

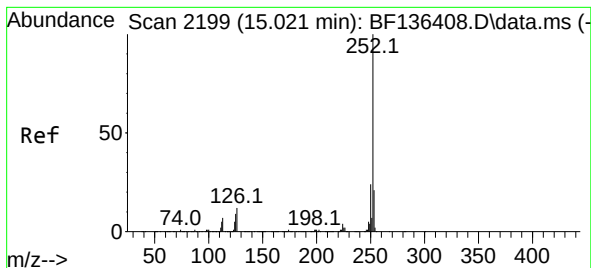
Tgt Ion:228 Resp: 307787
Ion Ratio Lower Upper
228 100
226 30.6 23.8 35.6
229 20.9 14.8 22.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2272
Delta R.T. 0.000 min
Lab File: BF136553.D
Acq: 13 Dec 2023 23:26

Tgt Ion:264 Resp: 226746
Ion Ratio Lower Upper
264 100
260 23.4 19.2 28.8
265 21.4 15.9 23.9





#88

Benzo(b)fluoranthene

Concen: 14.350 ng

RT: 15.015 min Scan# 2198

Delta R.T. -0.006 min

Lab File: BF136553.D

Acq: 13 Dec 2023 23:26

Instrument :

BNA_F

ClientSampleId :

RB21144DL

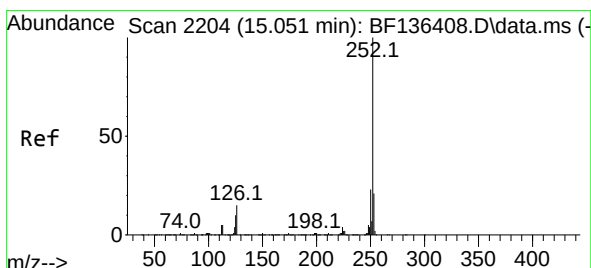
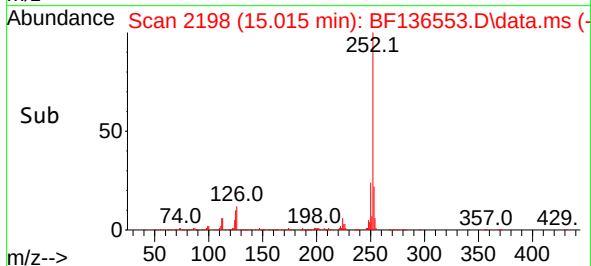
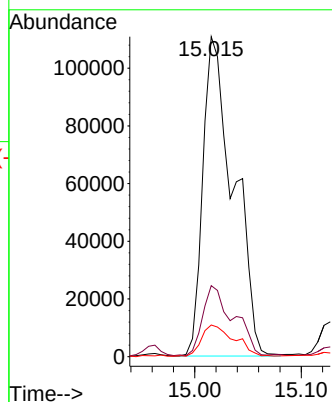
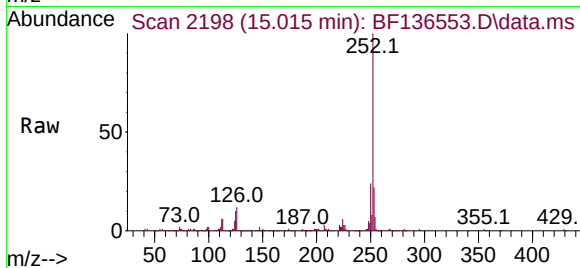
Tgt Ion:252 Resp: 222466

Ion Ratio Lower Upper

252 100

253 22.2 16.9 25.3

125 9.9 7.4 11.2



#89

Benzo(k)fluoranthene

Concen: 15.227 ng

RT: 15.015 min Scan# 2198

Delta R.T. -0.035 min

Lab File: BF136553.D

Acq: 13 Dec 2023 23:26

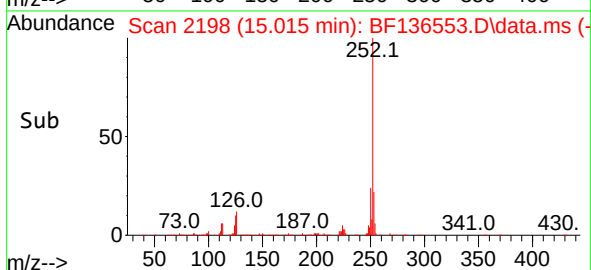
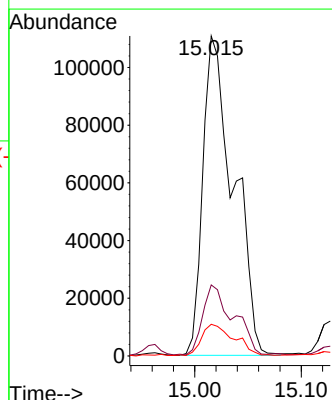
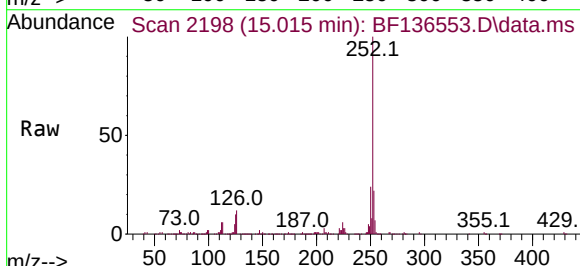
Tgt Ion:252 Resp: 222466

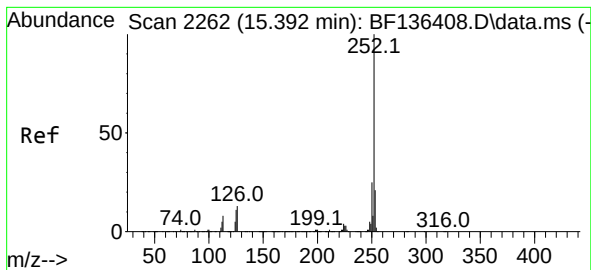
Ion Ratio Lower Upper

252 100

253 22.2 16.9 25.3

125 9.9 7.5 11.3





#90

Benzo(a)pyrene

Concen: 4.937 ng

RT: 15.386 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136553.D

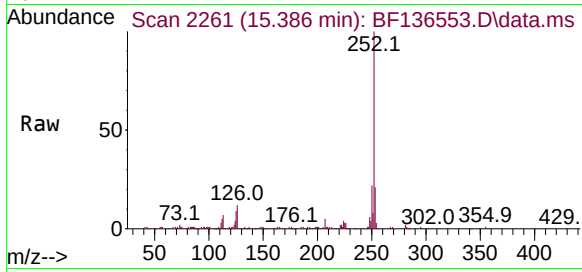
Acq: 13 Dec 2023 23:26

Instrument :

BNA_F

ClientSampleId :

RB21144DL



Tgt Ion:252 Resp: 63213

Ion Ratio Lower Upper

252 100

253 21.0 17.0 25.4

125 8.7 8.6 13.0

