

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121223\
 Data File : BF136522.D
 Acq On : 12 Dec 2023 18:25
 Operator : CG\JU
 Sample : 05466-01DL 10X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB21144DL

Quant Time: Dec 12 23:19:15 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)

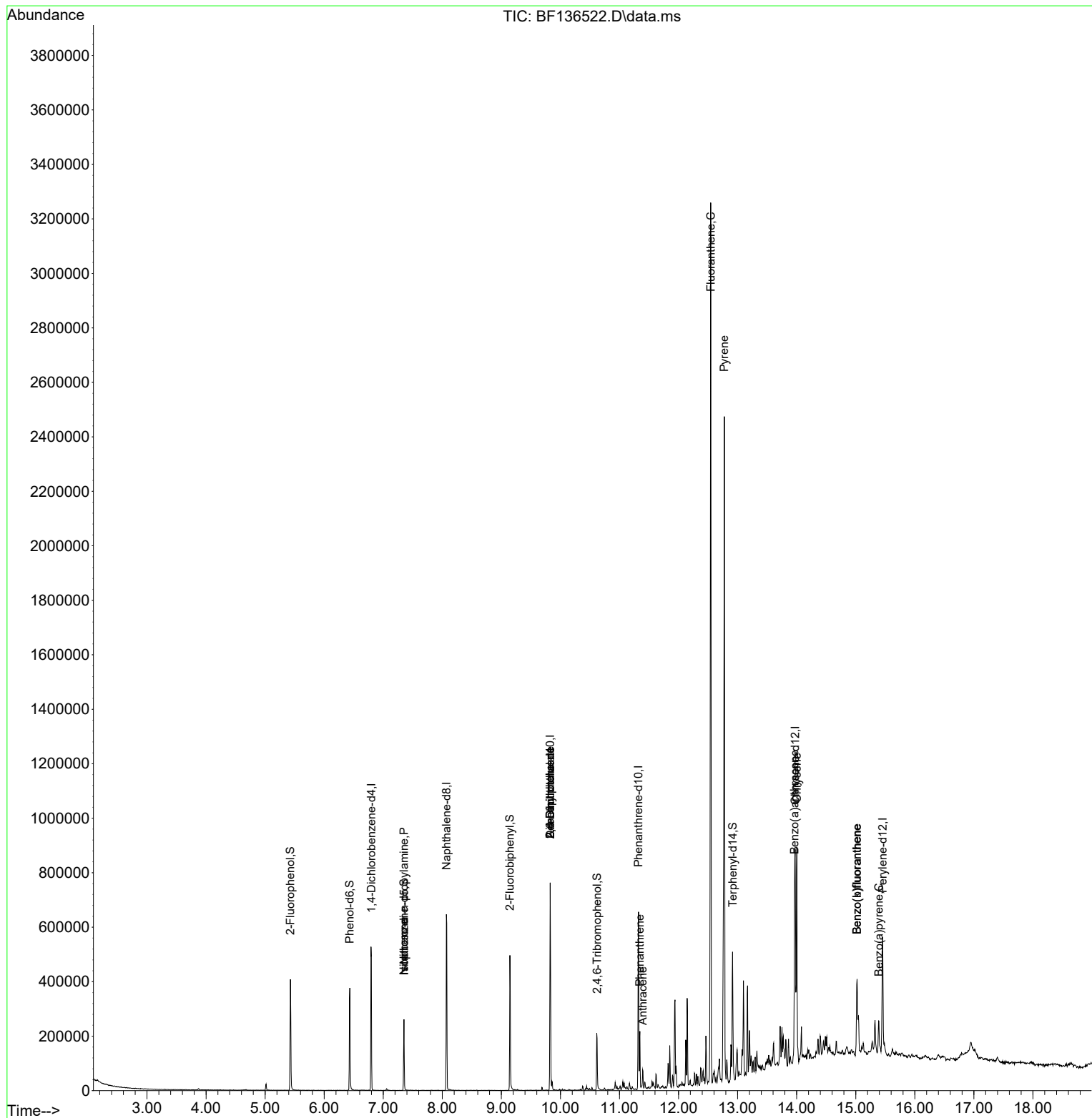
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	79885	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	294988	20.000	ng	-0.01
39) Acenaphthene-d10	9.827	164	141421	20.000	ng	-0.01
64) Phenanthrene-d10	11.322	188	235092	20.000	ng	0.00
76) Chrysene-d12	13.974	240	191182	20.000	ng	# 0.00
86) Perylene-d12	15.457	264	196150	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	109209	20.189	ng	0.00
7) Phenol-d6	6.434	99	132524	19.637	ng	-0.01
23) Nitrobenzene-d5	7.351	82	71633	13.128	ng	-0.02
42) 2,4,6-Tribromophenol	10.622	330	27932	16.019	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	155379	14.992	ng	-0.02
79) Terphenyl-d14	12.916	244	152580	10.519	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.434	77	197	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.351	70	9286	2.385	ng	# 77
25) Isophorone	7.351	82	71633	7.307	ng	# 65
50) Dimethylphthalate	9.827	163	26206	2.517	ng	# 1
51) 2,6-Dinitrotoluene	9.827	165	18237	7.786	ng	# 29
57) 2,4-Dinitrotoluene	9.827	165	18237	5.885	ng	# 28
71) Phenanthrene	11.345	178	78118	6.045	ng	98
72) Anthracene	11.392	178	28718	2.207	ng	96
75) Fluoranthene	12.545	202	1270974	93.859	ng	98
77) Benzidine	12.551	184	87	Below Cal	#	1
78) Pyrene	12.774	202	995977	53.194	ng	98
81) Benzo(a)anthracene	13.963	228	224182	16.834	ng	97
83) Chrysene	14.004	228	312323	23.838	ng	97
88) Benzo(b)fluoranthene	15.021	252	216834	16.168	ng	98
89) Benzo(k)fluoranthene	15.021	252	216834	17.156	ng	98
90) Benzo(a)pyrene	15.392	252	61593	5.561	ng	97

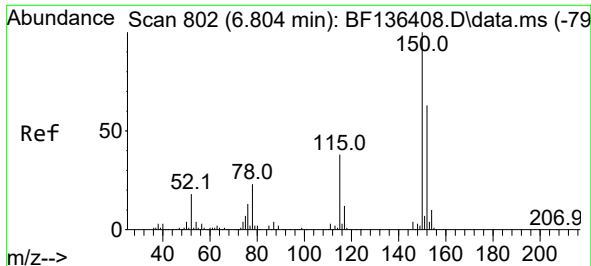
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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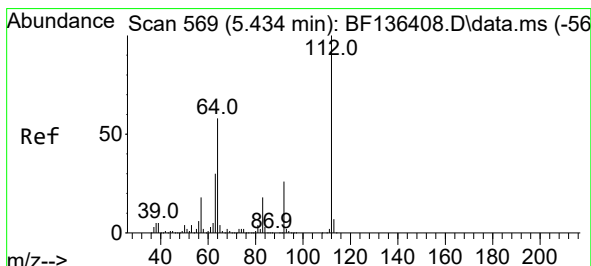
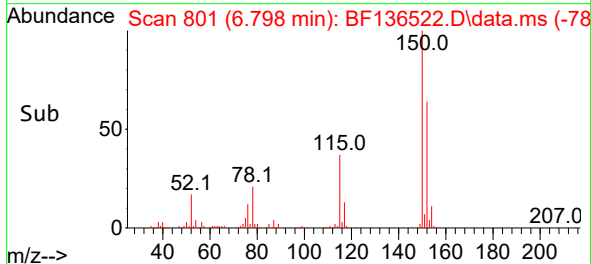
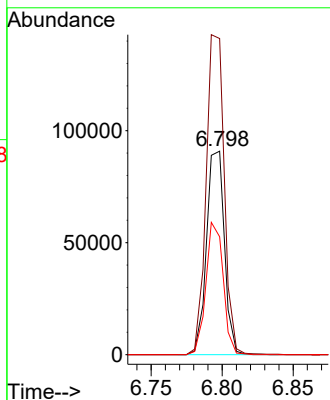
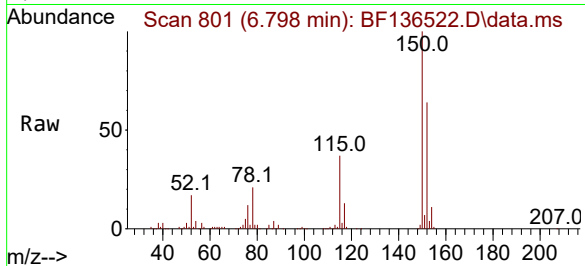




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 802
Delta R.T. -0.006 min
Lab File: BF136522.D
Acq: 12 Dec 2023 18:25

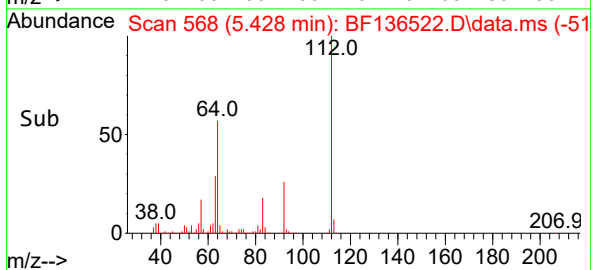
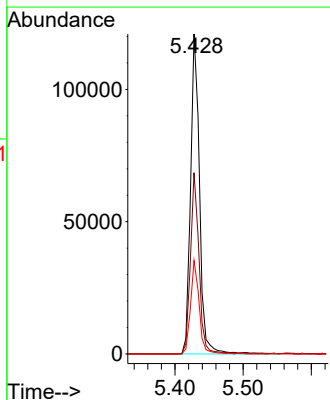
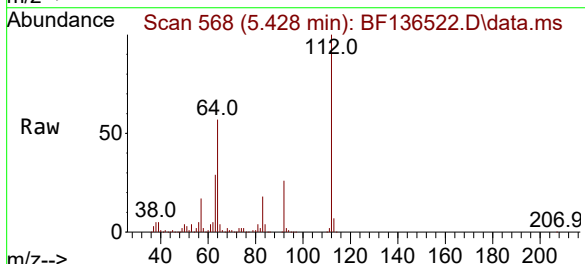
Instrument :
BNA_F
ClientSampleId :
RB21144DL

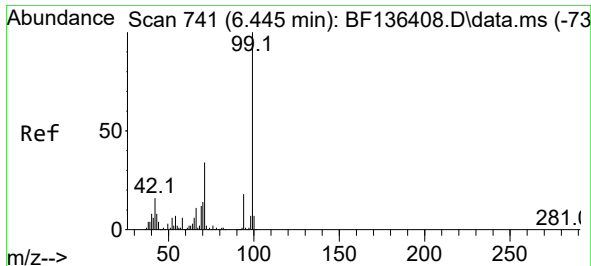
Tgt Ion:152 Resp: 79885
Ion Ratio Lower Upper
152 100
150 155.3 126.4 189.6
115 57.9 48.2 72.4



#5
2-Fluorophenol
Concen: 20.189 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.006 min
Lab File: BF136522.D
Acq: 12 Dec 2023 18:25

Tgt Ion:112 Resp: 109209
Ion Ratio Lower Upper
112 100
64 56.6 46.5 69.7
63 29.2 23.9 35.9

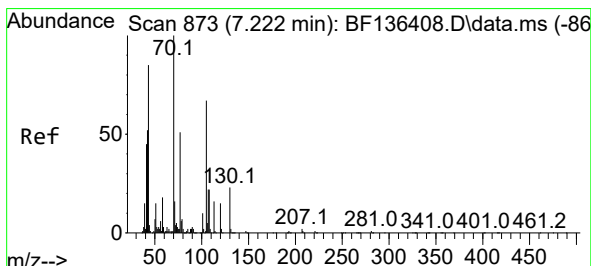
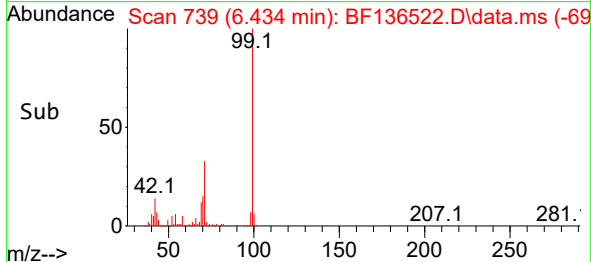
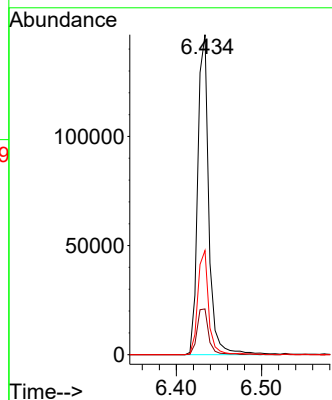
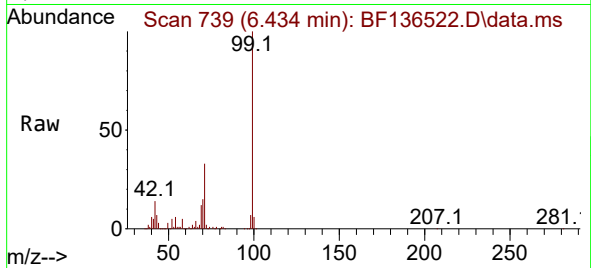




#7
Phenol-d6
Concen: 19.637 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136522.D
Acq: 12 Dec 2023 18:25

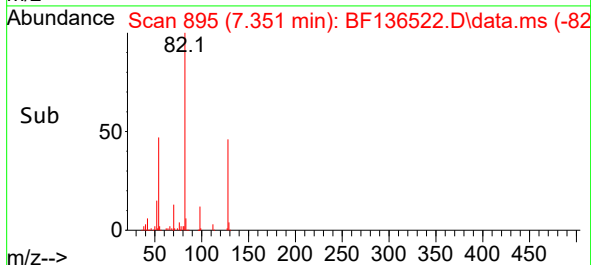
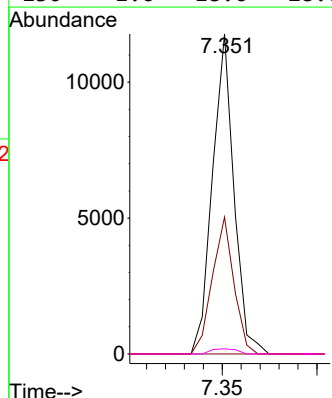
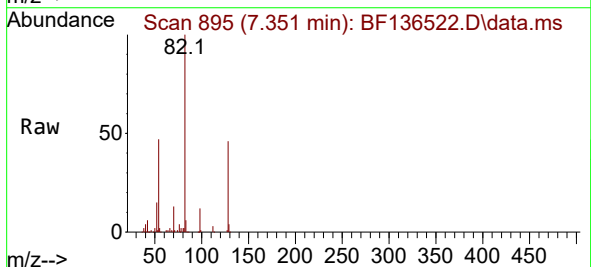
Instrument :
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ClientSampleId :
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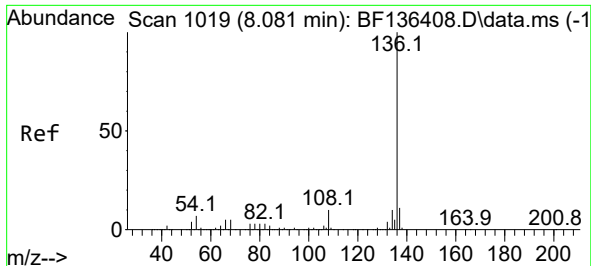
Tgt Ion: 99 Resp: 132524
Ion Ratio Lower Upper
99 100
42 14.3 12.8 19.2
71 32.5 27.0 40.4



#19
n-Nitroso-di-n-propylamine
Concen: 2.385 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.129 min
Lab File: BF136522.D
Acq: 12 Dec 2023 18:25

Tgt Ion: 70 Resp: 9286
Ion Ratio Lower Upper
70 100
42 42.7 41.4 62.0
101 0.0 8.2 12.4#
130 1.6 18.6 28.0#

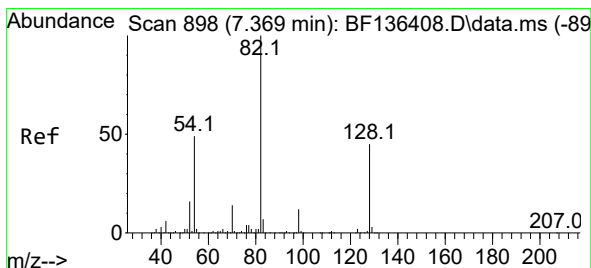
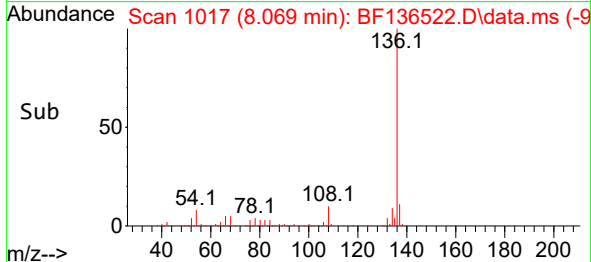
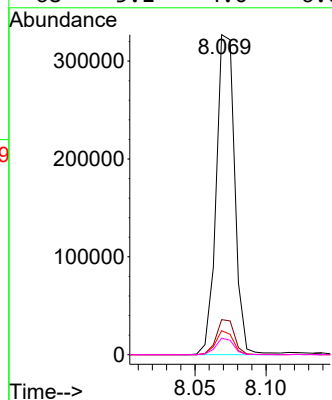
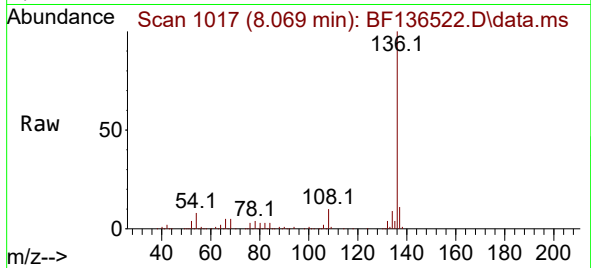




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF136522.D
Acq: 12 Dec 2023 18:25

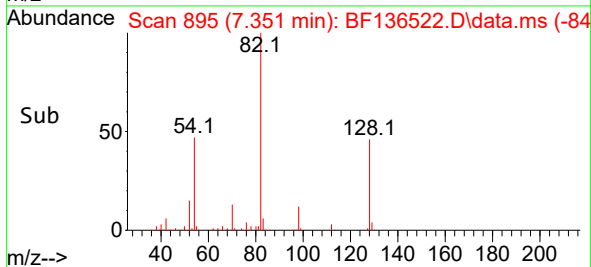
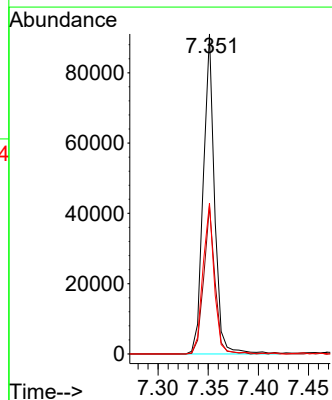
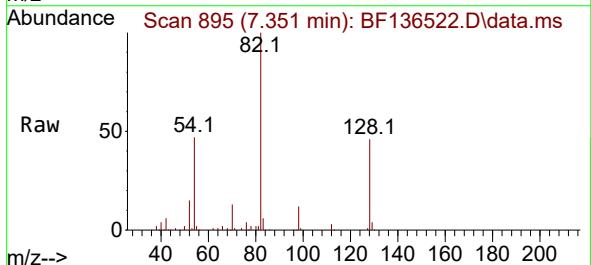
Instrument :
BNA_F
ClientSampleId :
RB21144DL

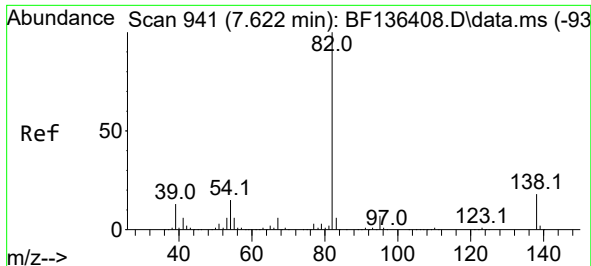
Tgt Ion:136 Resp: 294988
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 7.5 5.7 8.5
68 5.1 4.0 6.0



#23
Nitrobenzene-d5
Concen: 13.128 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF136522.D
Acq: 12 Dec 2023 18:25

Tgt Ion: 82 Resp: 71633
Ion Ratio Lower Upper
82 100
128 46.2 36.3 54.5
54 47.2 39.0 58.6

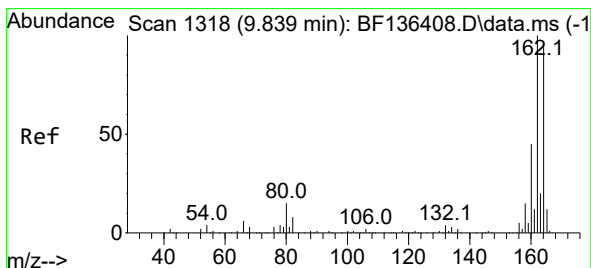
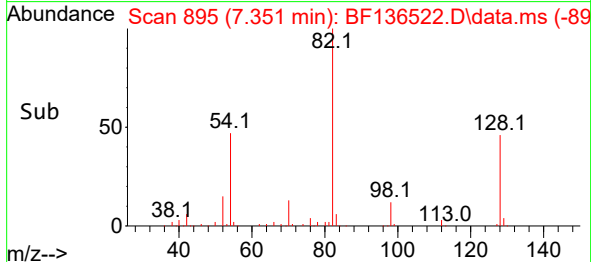
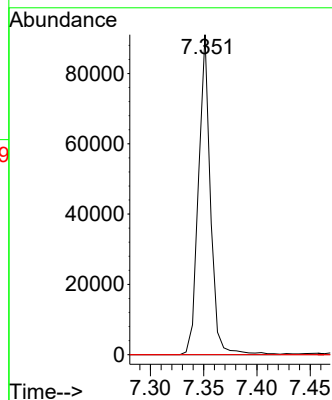
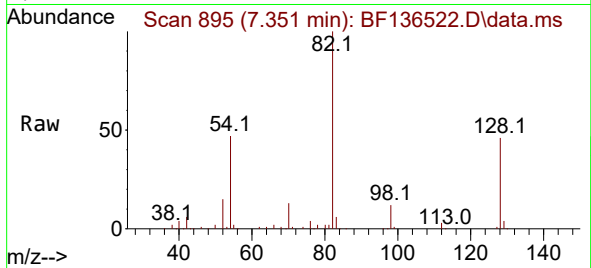




#25
Isophorone
Concen: 7.307 ng
RT: 7.351 min Scan# 89
Delta R.T. -0.271 min
Lab File: BF136522.D
Acq: 12 Dec 2023 18:25

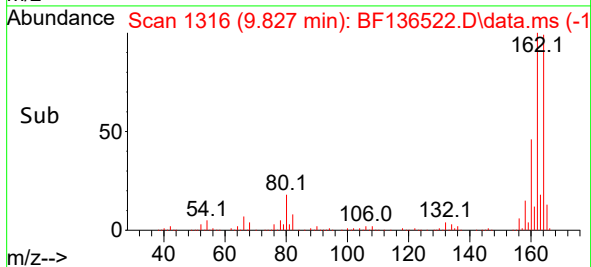
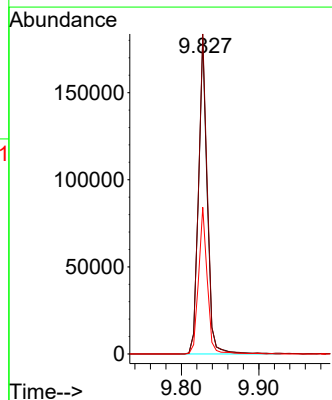
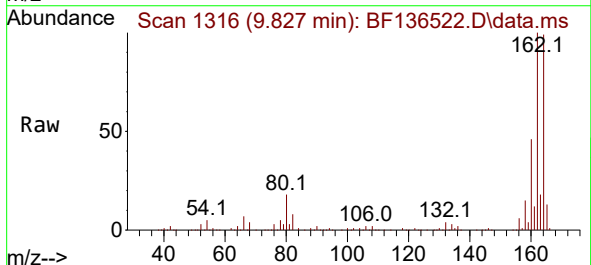
Instrument :
BNA_F
ClientSampleId :
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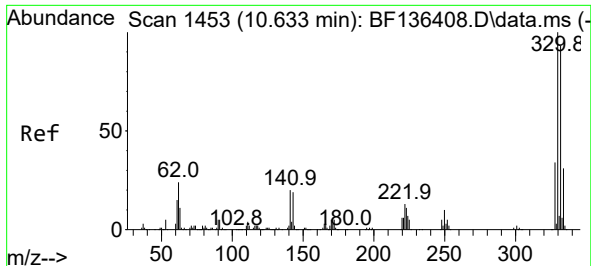
Tgt Ion: 82 Resp: 71633
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.827 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF136522.D
Acq: 12 Dec 2023 18:25

Tgt Ion: 164 Resp: 141421
Ion Ratio Lower Upper
164 100
162 101.4 84.4 126.6
160 46.5 37.6 56.4





#42

2,4,6-Tribromophenol

Concen: 16.019 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF136522.D

Acq: 12 Dec 2023 18:25

Instrument :

BNA_F

ClientSampleId :

RB21144DL

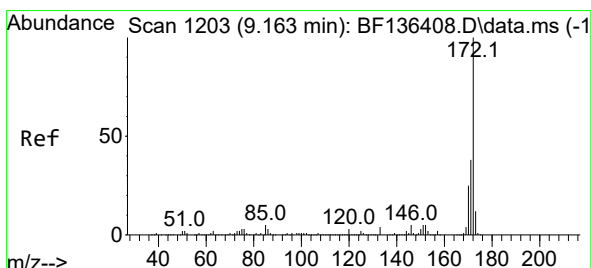
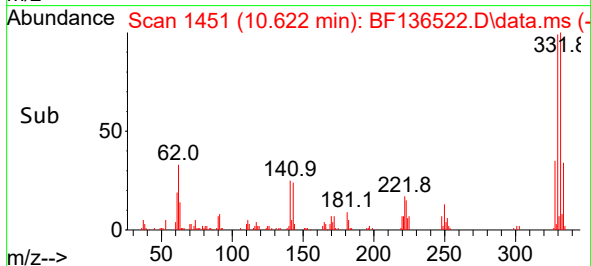
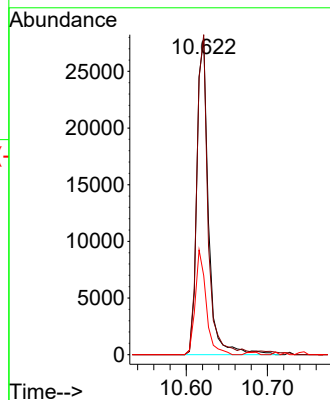
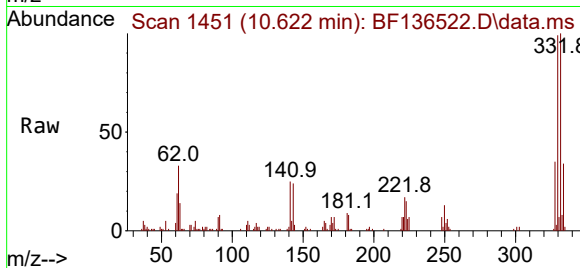
Tgt Ion:330 Resp: 27932

Ion Ratio Lower Upper

330 100

332 97.0 76.4 114.6

141 31.1 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 14.992 ng

RT: 9.145 min Scan# 1200

Delta R.T. -0.018 min

Lab File: BF136522.D

Acq: 12 Dec 2023 18:25

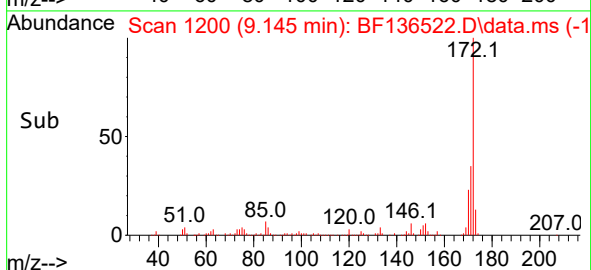
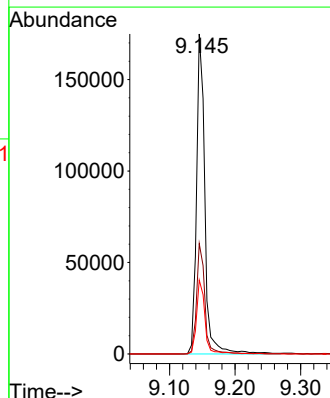
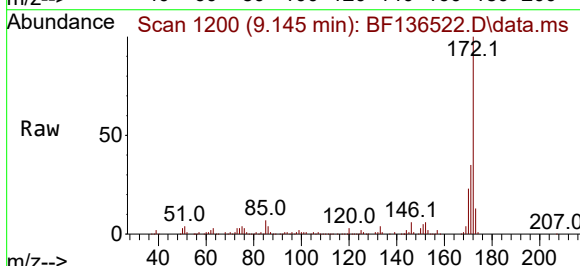
Tgt Ion:172 Resp: 155379

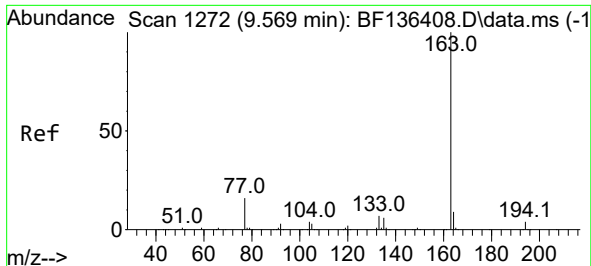
Ion Ratio Lower Upper

172 100

171 34.5 30.5 45.7

170 23.1 19.9 29.9

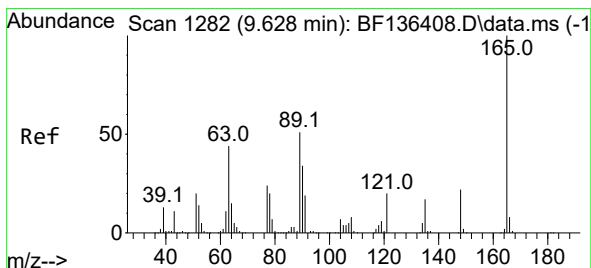
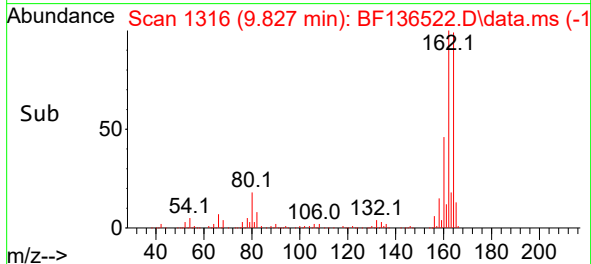
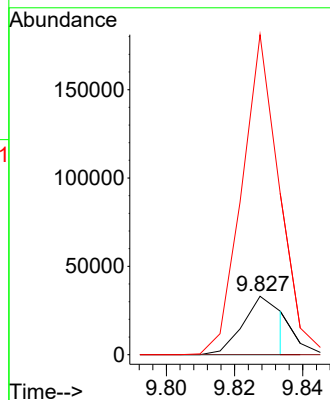
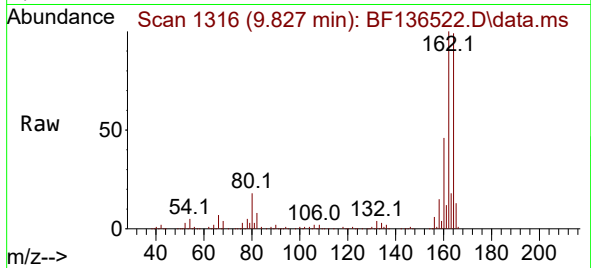




#50
Dimethylphthalate
Concen: 2.517 ng
RT: 9.827 min Scan# 1316
Delta R.T. 0.259 min
Lab File: BF136522.D
Acq: 12 Dec 2023 18:25

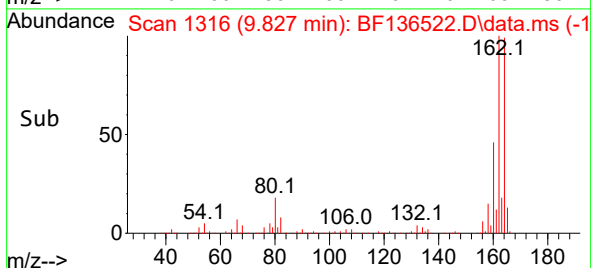
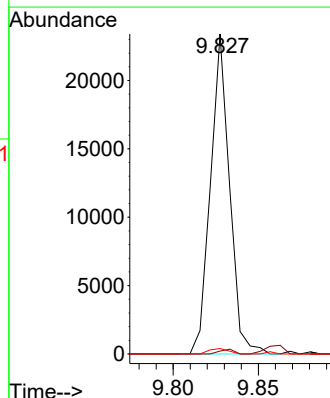
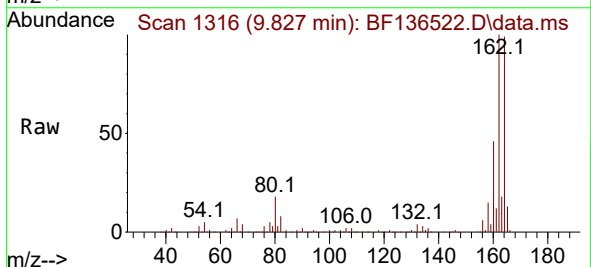
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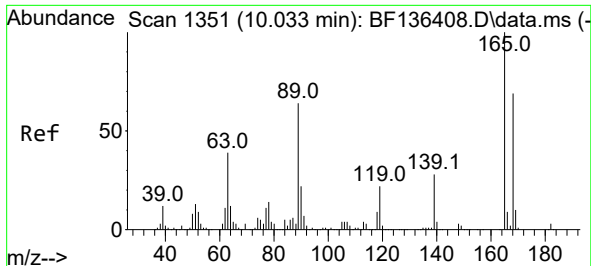
Tgt Ion:163 Resp: 26206
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 548.1 7.4 11.2#



#51
2,6-Dinitrotoluene
Concen: 7.786 ng
RT: 9.827 min Scan# 1316
Delta R.T. 0.200 min
Lab File: BF136522.D
Acq: 12 Dec 2023 18:25

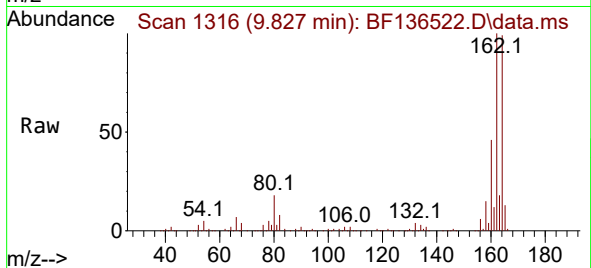
Tgt Ion:165 Resp: 18237
Ion Ratio Lower Upper
165 100
63 0.9 40.4 60.6#
89 1.7 40.6 60.8#



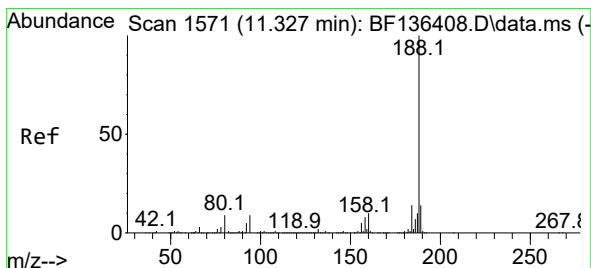
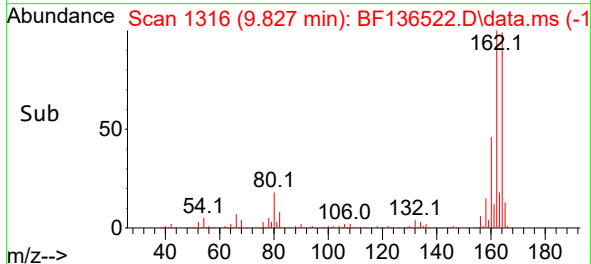
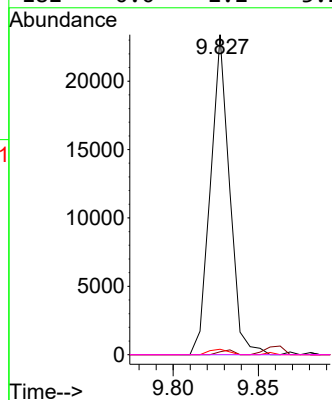


#57
2,4-Dinitrotoluene
Concen: 5.885 ng
RT: 9.827 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF136522.D
Acq: 12 Dec 2023 18:25

Instrument :
BNA_F
ClientSampleId :
RB21144DL

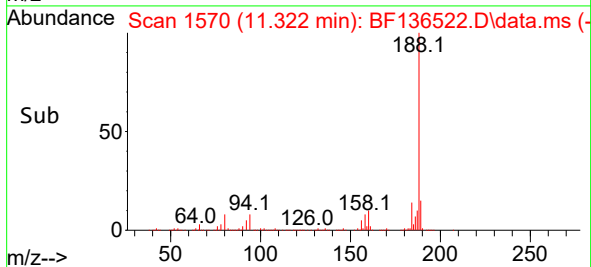
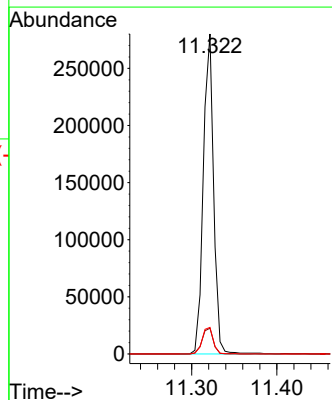
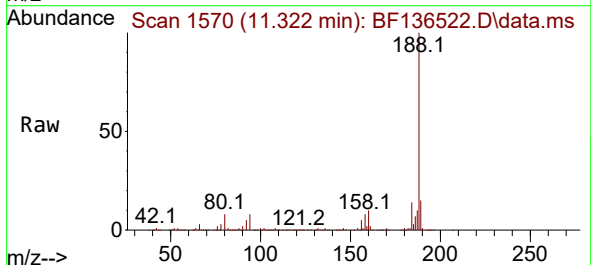


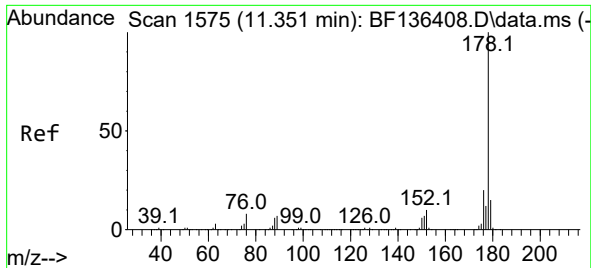
Tgt Ion:165 Resp: 18237
Ion Ratio Lower Upper
165 100
63 0.9 31.4 47.2#
89 1.7 51.7 77.5#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF136522.D
Acq: 12 Dec 2023 18:25

Tgt Ion:188 Resp: 235092
Ion Ratio Lower Upper
188 100
94 8.1 7.2 10.8
80 8.3 7.2 10.8

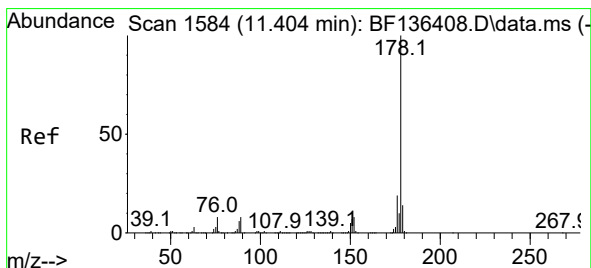
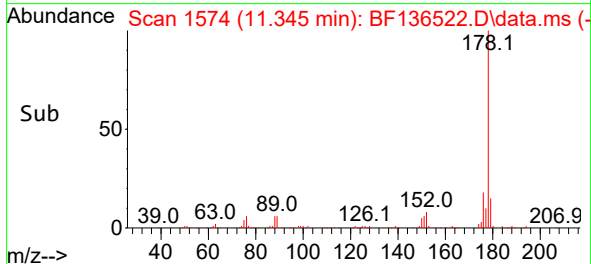
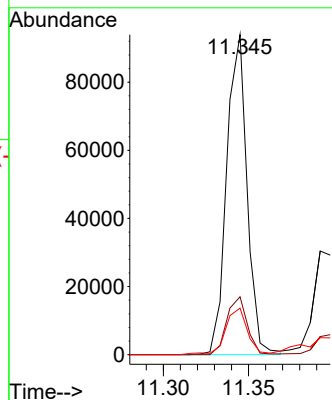
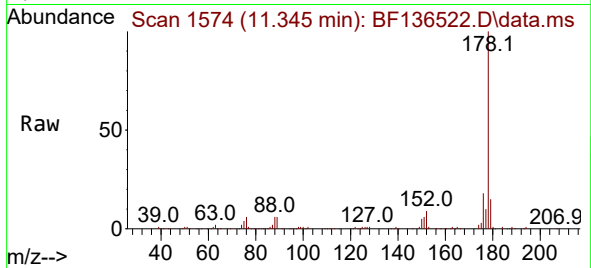




#71
Phenanthrene
Concen: 6.045 ng
RT: 11.345 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136522.D
Acq: 12 Dec 2023 18:25

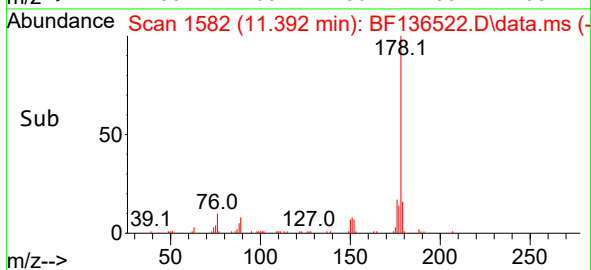
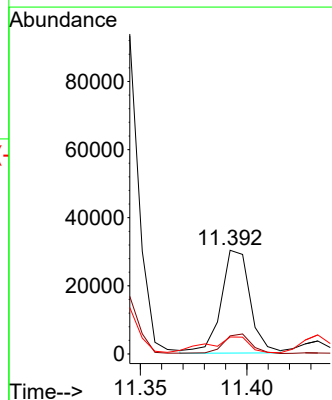
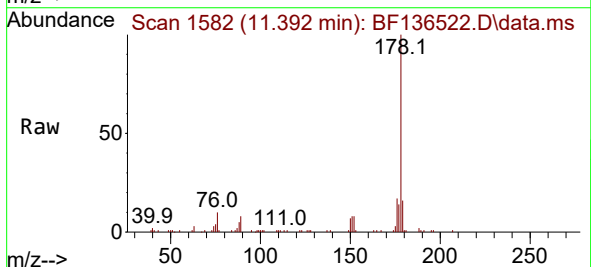
Instrument :
BNA_F
ClientSampleId :
RB21144DL

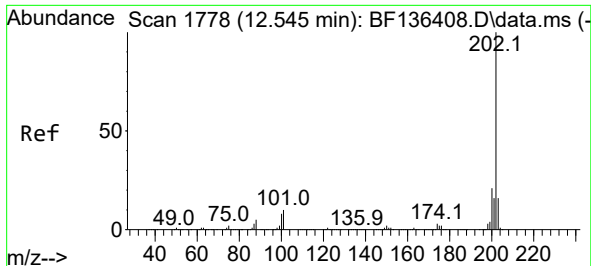
Tgt Ion:178 Resp: 78118
Ion Ratio Lower Upper
178 100
176 18.1 15.9 23.9
179 14.6 11.8 17.6



#72
Anthracene
Concen: 2.207 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF136522.D
Acq: 12 Dec 2023 18:25

Tgt Ion:178 Resp: 28718
Ion Ratio Lower Upper
178 100
176 17.5 15.3 22.9
179 16.4 11.4 17.0

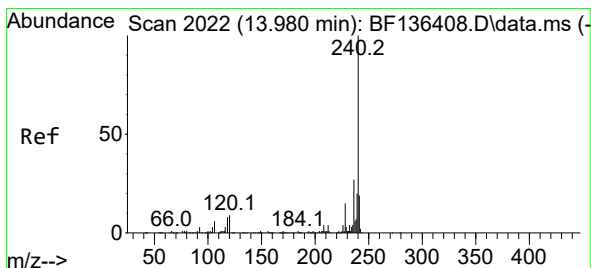
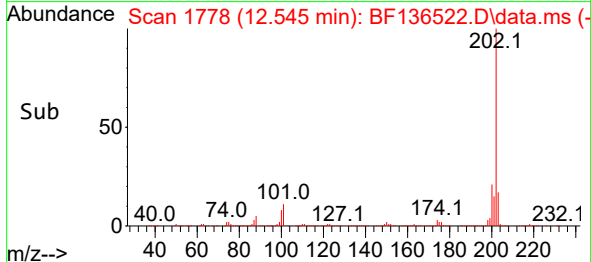
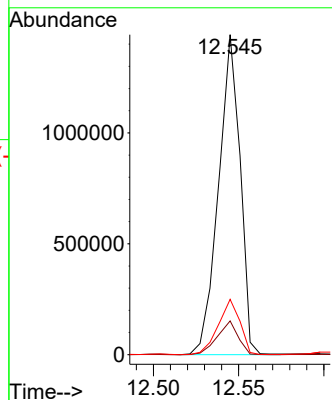
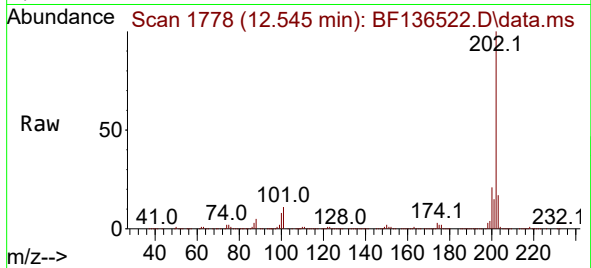




#75
Fluoranthene
Concen: 93.859 ng
RT: 12.545 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF136522.D
Acq: 12 Dec 2023 18:25

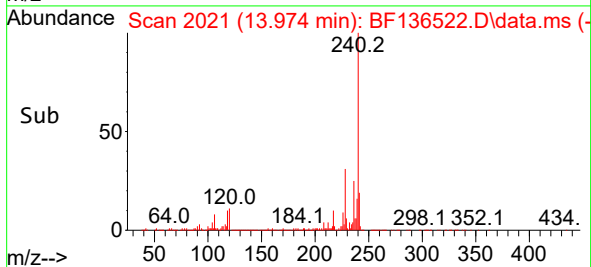
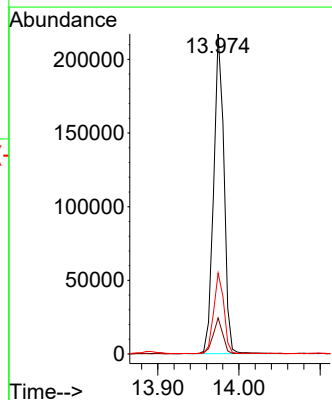
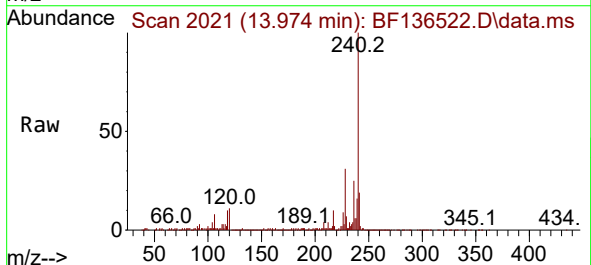
Instrument :
BNA_F
ClientSampleId :
RB21144DL

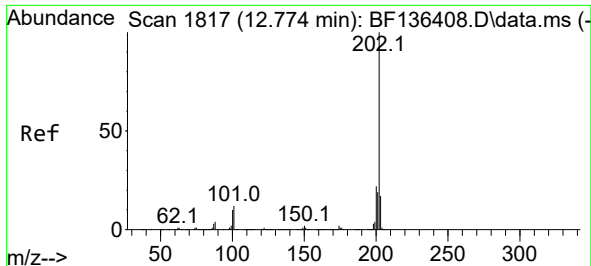
Tgt Ion:202 Resp: 1270974
Ion Ratio Lower Upper
202 100
101 10.6 0.0 29.9
203 17.3 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF136522.D
Acq: 12 Dec 2023 18:25

Tgt Ion:240 Resp: 191182
Ion Ratio Lower Upper
240 100
120 11.3 7.3 10.9#
236 25.3 21.3 31.9

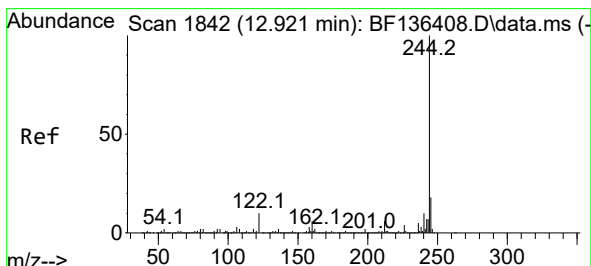
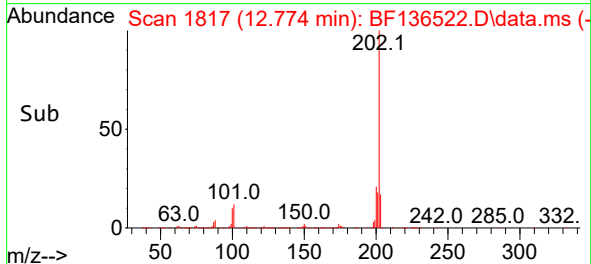
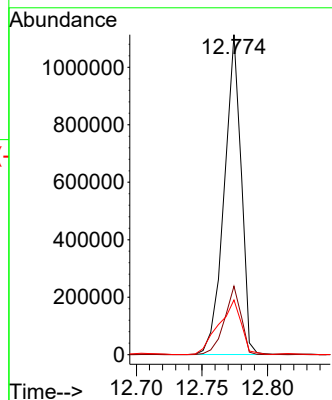
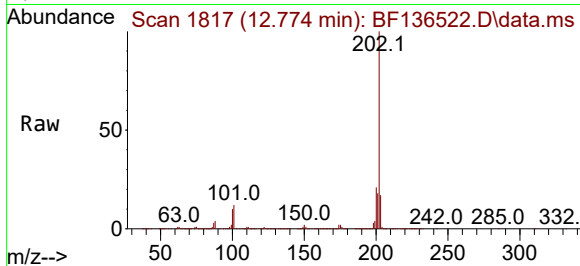




#78
Pyrene
Concen: 53.194 ng
RT: 12.774 min Scan# 1817
Delta R.T. -0.000 min
Lab File: BF136522.D
Acq: 12 Dec 2023 18:25

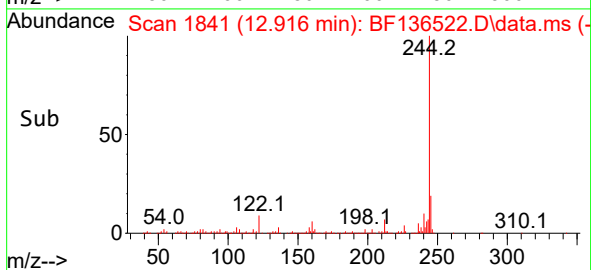
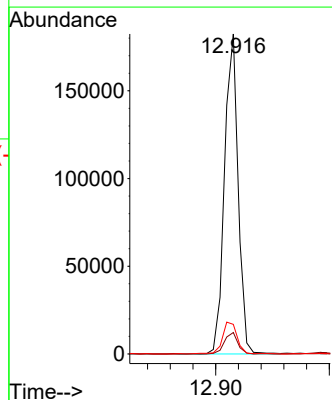
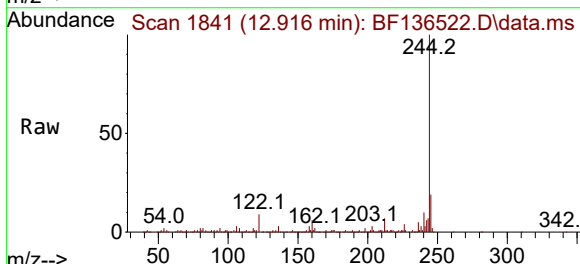
Instrument :
BNA_F
ClientSampleId :
RB21144DL

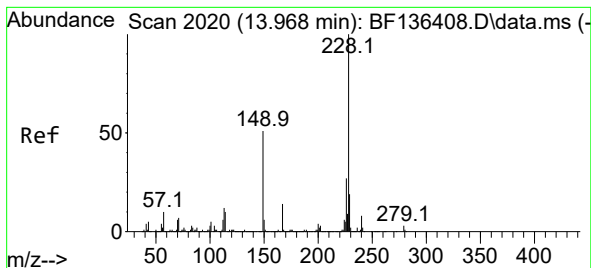
Tgt Ion:202 Resp: 995977
Ion Ratio Lower Upper
202 100
200 21.4 18.0 27.0
203 17.1 13.5 20.3



#79
Terphenyl-d14
Concen: 10.519 ng
RT: 12.916 min Scan# 1841
Delta R.T. -0.006 min
Lab File: BF136522.D
Acq: 12 Dec 2023 18:25

Tgt Ion:244 Resp: 152580
Ion Ratio Lower Upper
244 100
212 6.7 5.0 7.4
122 9.3 8.3 12.5





#81

Benzo(a)anthracene

Concen: 16.834 ng

RT: 13.963 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136522.D

Acq: 12 Dec 2023 18:25

Instrument :

BNA_F

ClientSampleId :

RB21144DL

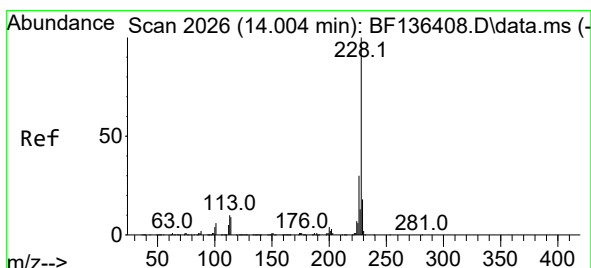
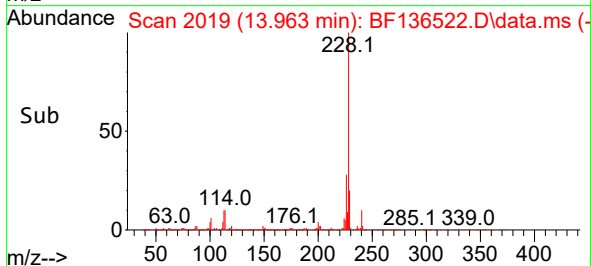
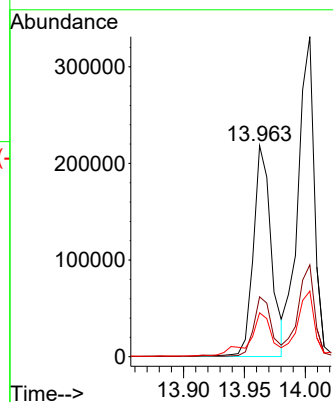
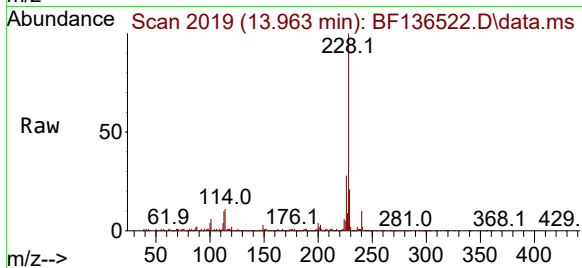
Tgt Ion:228 Resp: 224182

Ion Ratio Lower Upper

228 100

226 28.3 21.8 32.8

229 20.8 15.0 22.4



#83

Chrysene

Concen: 23.838 ng

RT: 14.004 min Scan# 2026

Delta R.T. -0.000 min

Lab File: BF136522.D

Acq: 12 Dec 2023 18:25

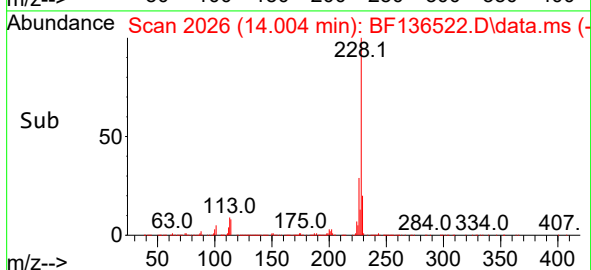
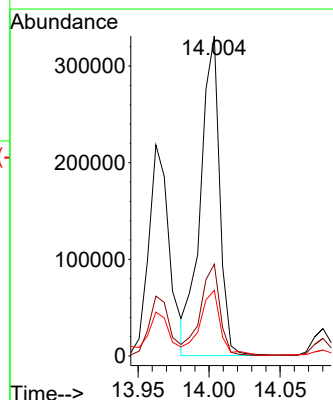
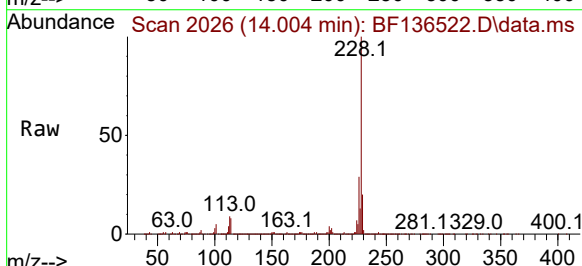
Tgt Ion:228 Resp: 312323

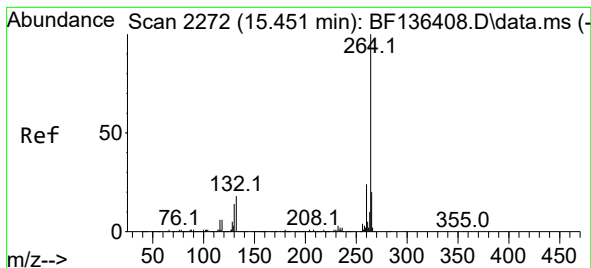
Ion Ratio Lower Upper

228 100

226 28.7 23.8 35.6

229 20.5 14.8 22.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.457 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF136522.D

Acq: 12 Dec 2023 18:25

Instrument :

BNA_F

ClientSampleId :

RB21144DL

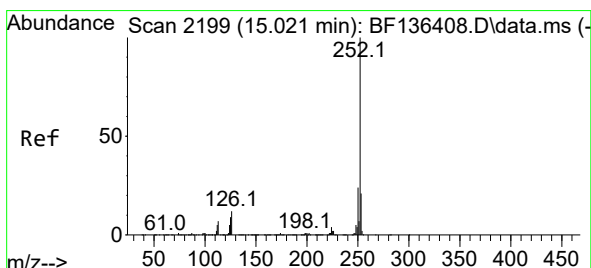
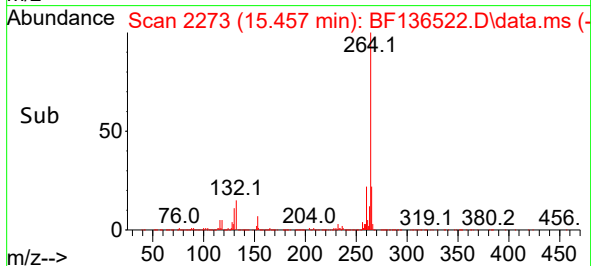
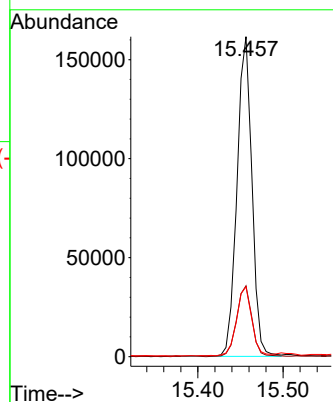
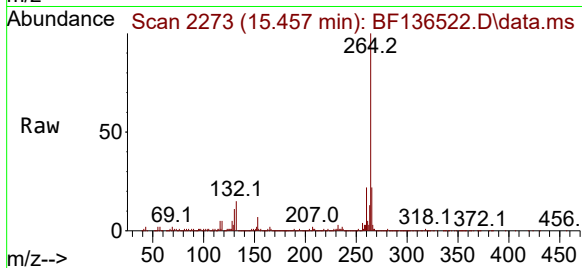
Tgt Ion:264 Resp: 196150

Ion Ratio Lower Upper

264 100

260 22.2 19.2 28.8

265 21.8 15.9 23.9



#88

Benzo(b)fluoranthene

Concen: 16.168 ng

RT: 15.021 min Scan# 2199

Delta R.T. -0.000 min

Lab File: BF136522.D

Acq: 12 Dec 2023 18:25

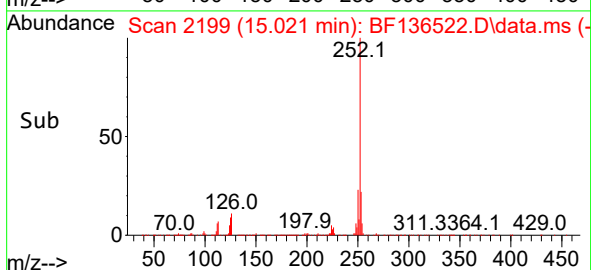
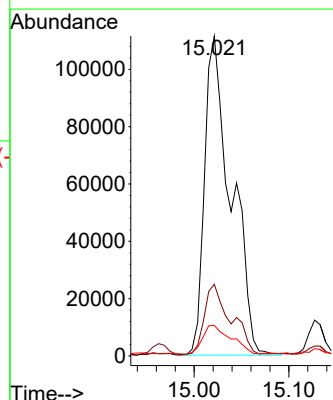
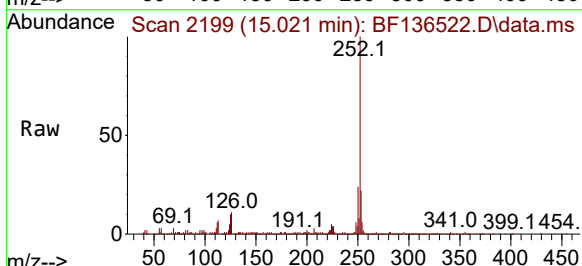
Tgt Ion:252 Resp: 216834

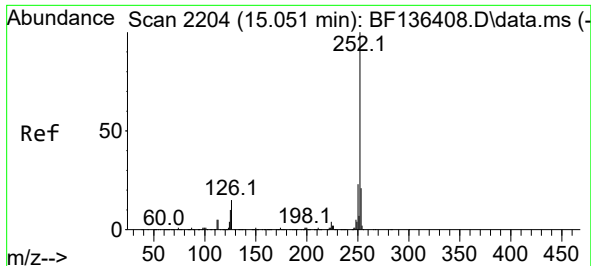
Ion Ratio Lower Upper

252 100

253 22.4 16.9 25.3

125 9.6 7.4 11.2

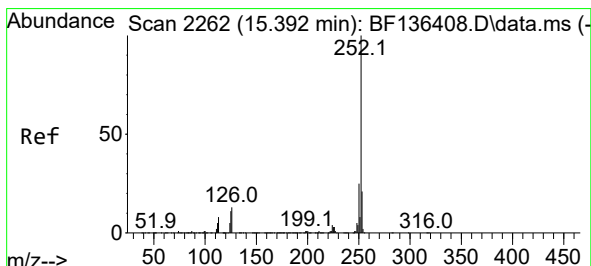
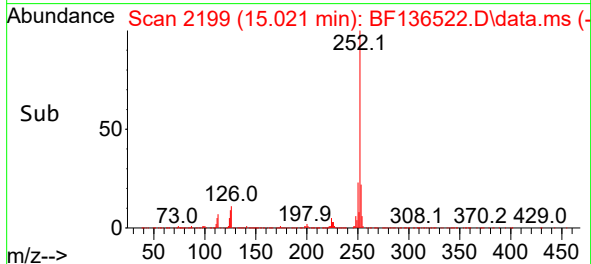
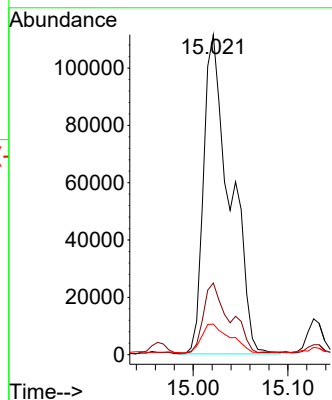
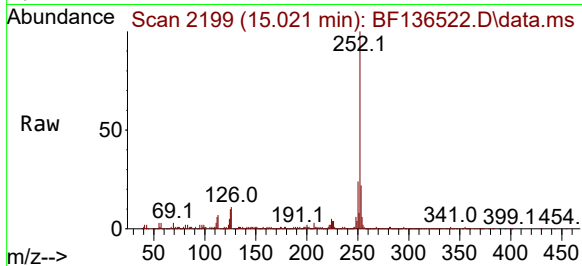




#89
Benzo(k)fluoranthene
Concen: 17.156 ng
RT: 15.021 min Scan# 21
Delta R.T. -0.030 min
Lab File: BF136522.D
Acq: 12 Dec 2023 18:25

Instrument :
BNA_F
ClientSampleId :
RB21144DL

Tgt Ion:252 Resp: 216834
Ion Ratio Lower Upper
252 100
253 22.4 16.9 25.3
125 9.6 7.5 11.3



#90
Benzo(a)pyrene
Concen: 5.561 ng
RT: 15.392 min Scan# 2262
Delta R.T. -0.000 min
Lab File: BF136522.D
Acq: 12 Dec 2023 18:25

Tgt Ion:252 Resp: 61593
Ion Ratio Lower Upper
252 100
253 22.9 17.0 25.4
125 9.9 8.6 13.0

