

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011024\
 Data File : BF137018.D
 Acq On : 10 Jan 2024 14:12
 Operator : CG\JU
 Sample : P1073-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 69-2-TP

Quant Time: Jan 10 14:54:15 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

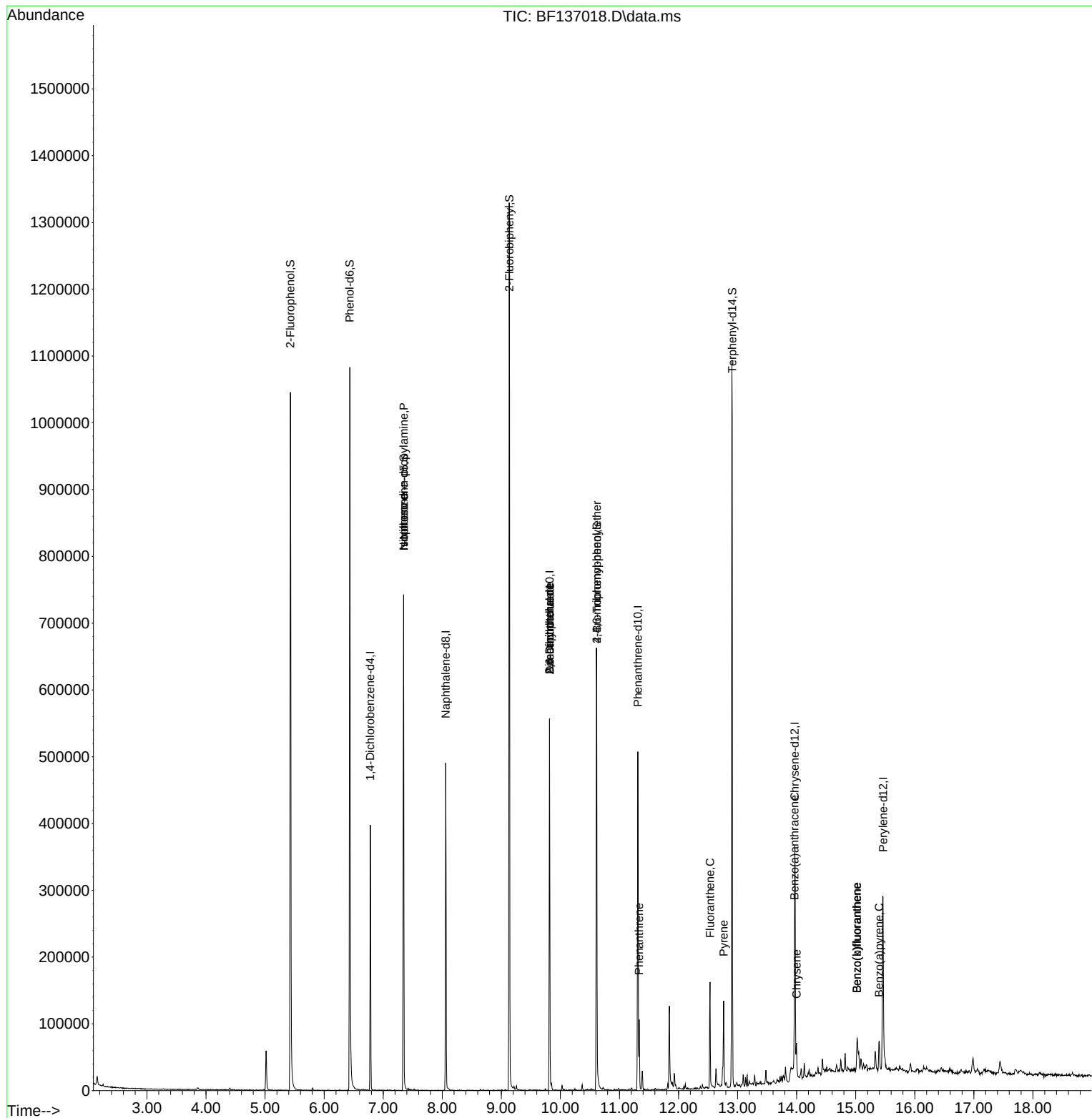
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	55544	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	208245	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	102540	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	179589	20.000	ng	0.00
76) Chrysene-d12	13.969	240	114032	20.000	ng	0.00
86) Perylene-d12	15.463	264	128126	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	291411	81.860	ng	0.00
7) Phenol-d6	6.434	99	356888	77.370	ng	0.00
23) Nitrobenzene-d5	7.345	82	213777	52.530	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	93536	77.454	ng	0.00
45) 2-Fluorobiphenyl	9.134	172	416578	54.641	ng	-0.02
79) Terphenyl-d14	12.910	244	392472	48.098	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	27603	9.872	ng	# 73
25) Isophorone	7.345	82	213806	28.873	ng	# 65
50) Dimethylphthalate	9.816	163	19898	2.657	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	12901	7.590	ng	# 30
57) 2,4-Dinitrotoluene	9.816	165	12901	5.846	ng	# 21
67) 4-Bromophenyl-phenylether	10.616	248	5520	2.768	ng	# 1
71) Phenanthrene	11.333	178	33150	3.597	ng	98
75) Fluoranthene	12.533	202	59900	6.077	ng	99
78) Pyrene	12.763	202	50325	4.496	ng	98
81) Benzo(a)anthracene	13.963	228	23279	2.940	ng	99
83) Chrysene	13.998	228	19808	2.558	ng	98
88) Benzo(b)fluoranthene	15.021	252	38002	4.441	ng	# 96
89) Benzo(k)fluoranthene	15.021	252	38002	4.700	ng	# 96
90) Benzo(a)pyrene	15.398	252	21627	2.994	ng	97

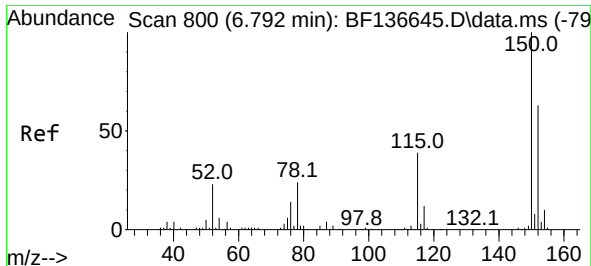
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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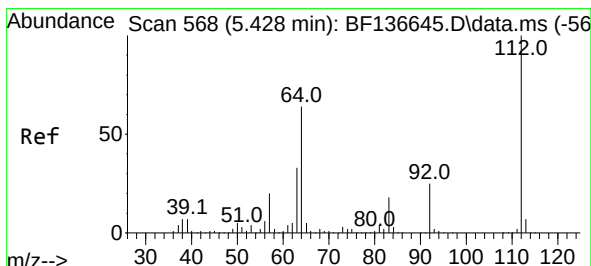
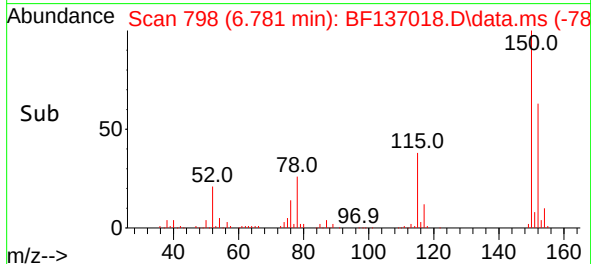
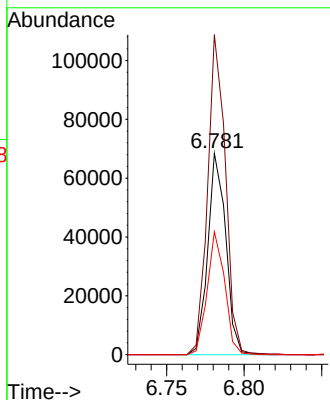
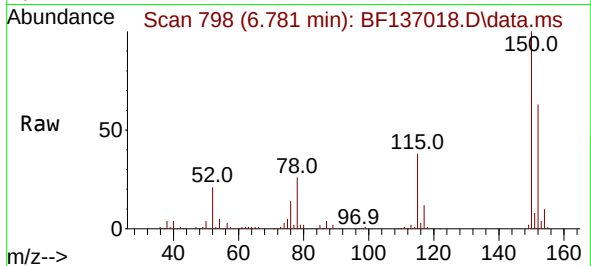




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF137018.D
Acq: 10 Jan 2024 14:12

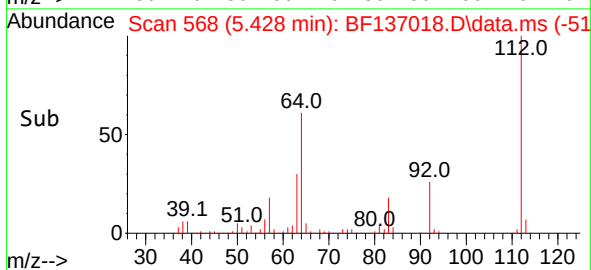
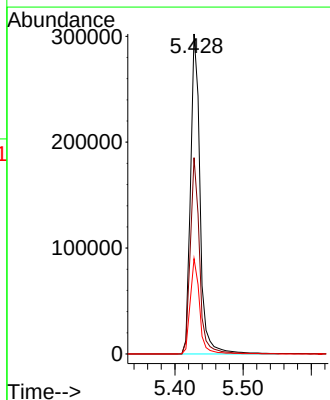
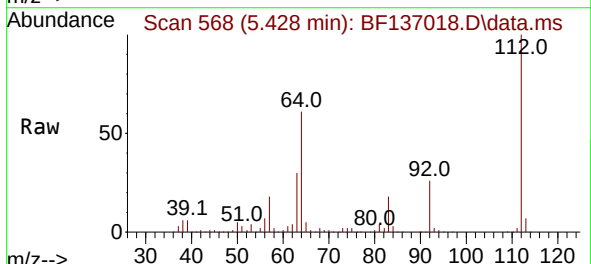
Instrument :
BNA_F
ClientSampleId :
69-2-TP

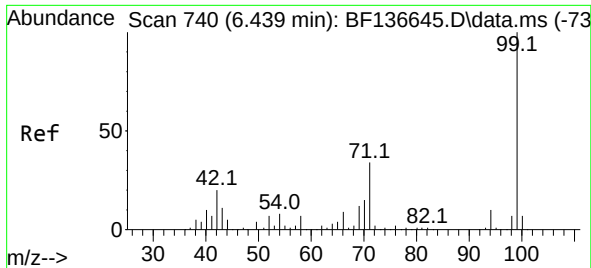
Tgt Ion:152 Resp: 55544
Ion Ratio Lower Upper
152 100
150 158.9 127.0 190.6
115 61.0 49.0 73.4



#5
2-Fluorophenol
Concen: 81.860 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF137018.D
Acq: 10 Jan 2024 14:12

Tgt Ion:112 Resp: 291411
Ion Ratio Lower Upper
112 100
64 61.4 51.1 76.7
63 29.8 26.1 39.1

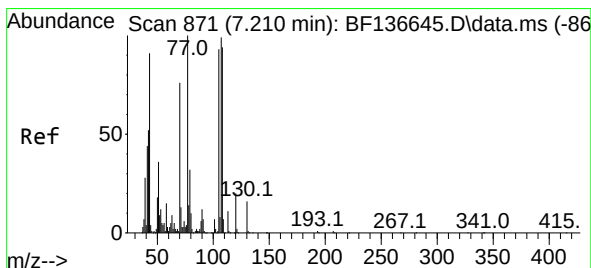
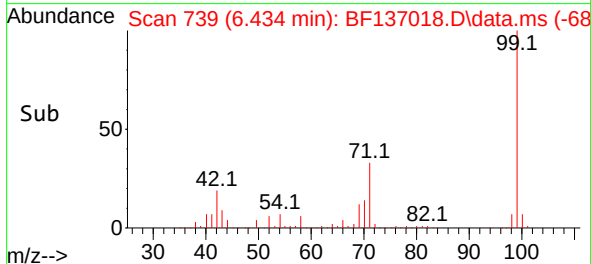
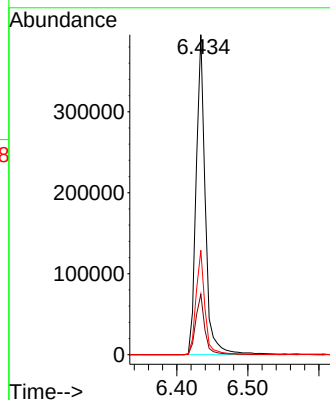
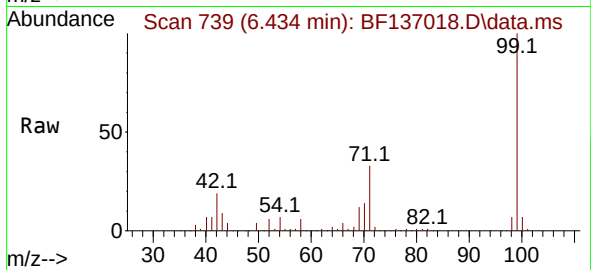




#7
Phenol-d6
Concen: 77.370 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137018.D
Acq: 10 Jan 2024 14:12

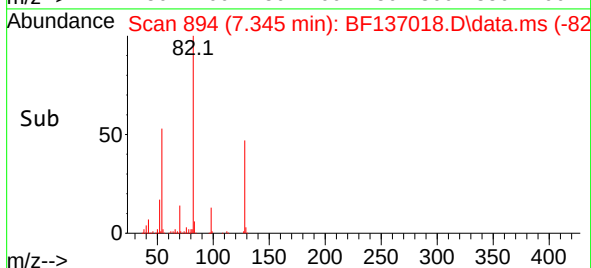
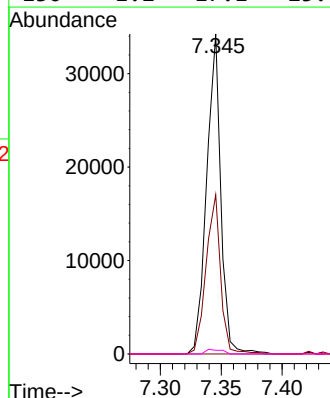
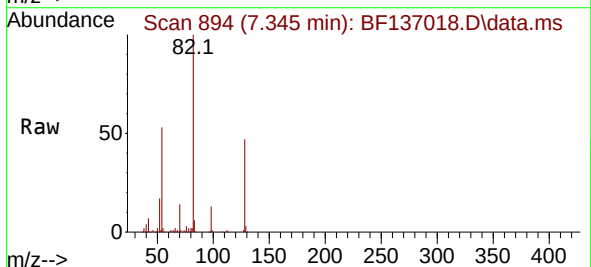
Instrument :
BNA_F
ClientSampleId :
69-2-TP

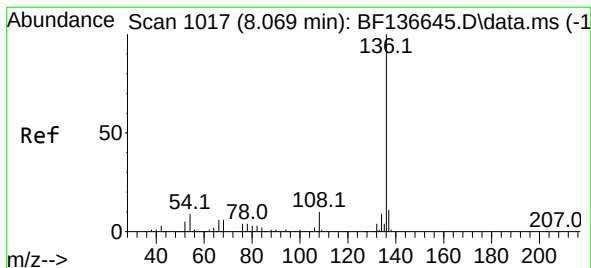
Tgt Ion: 99 Resp: 356888
Ion Ratio Lower Upper
99 100
42 18.9 16.1 24.1
71 32.6 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 9.872 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF137018.D
Acq: 10 Jan 2024 14:12

Tgt Ion: 70 Resp: 27603
Ion Ratio Lower Upper
70 100
42 49.8 54.2 81.4#
101 0.0 7.6 11.4#
130 1.2 17.1 25.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.057 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF137018.D

Acq: 10 Jan 2024 14:12

Instrument :

BNA_F

ClientSampleId :

69-2-TP

Tgt Ion:136 Resp: 208245

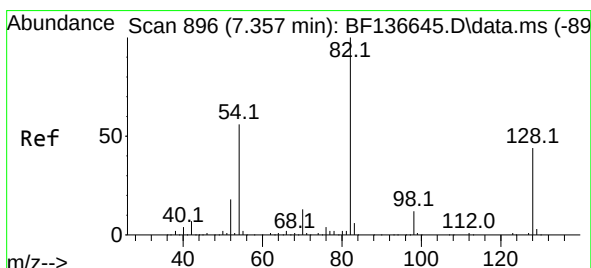
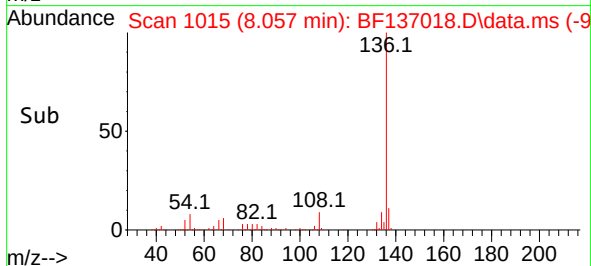
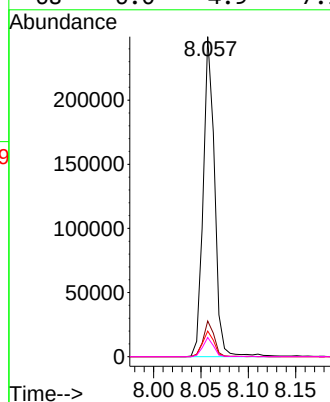
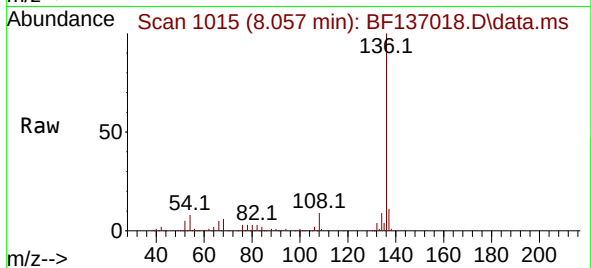
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.4

54 8.0 7.2 10.8

68 6.0 4.9 7.3



#23

Nitrobenzene-d5

Concen: 52.530 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF137018.D

Acq: 10 Jan 2024 14:12

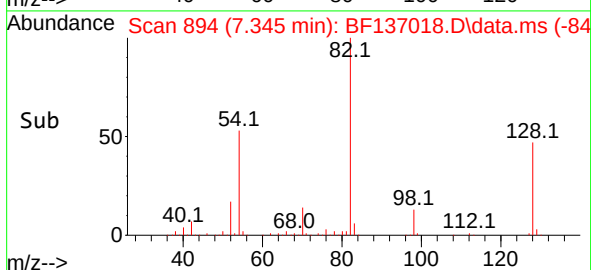
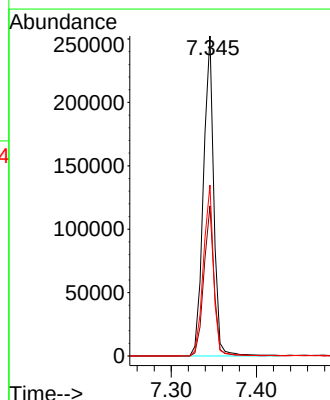
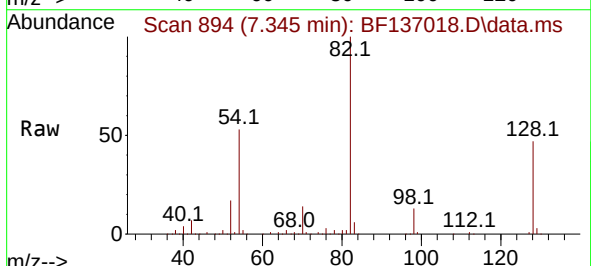
Tgt Ion: 82 Resp: 213777

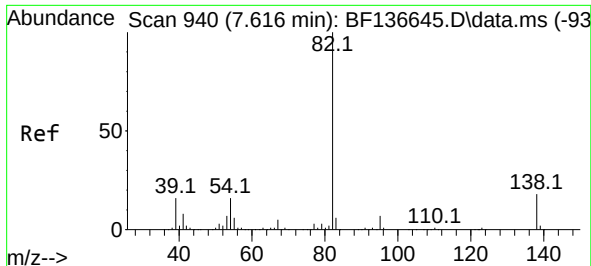
Ion Ratio Lower Upper

82 100

128 46.9 35.3 52.9

54 53.4 44.5 66.7

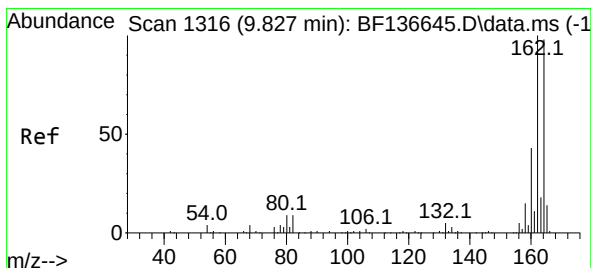
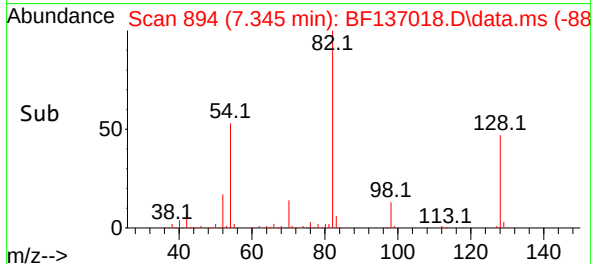
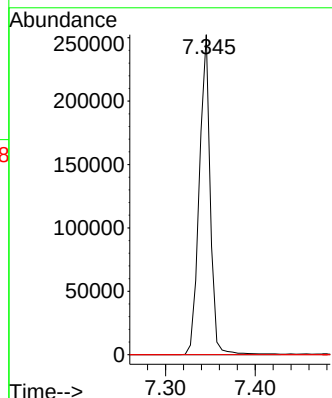
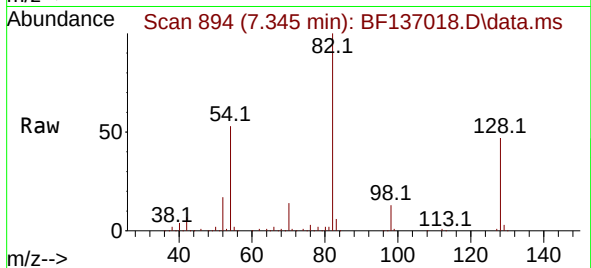




#25
Isophorone
Concen: 28.873 ng
RT: 7.345 min Scan# 89
Delta R.T. -0.270 min
Lab File: BF137018.D
Acq: 10 Jan 2024 14:12

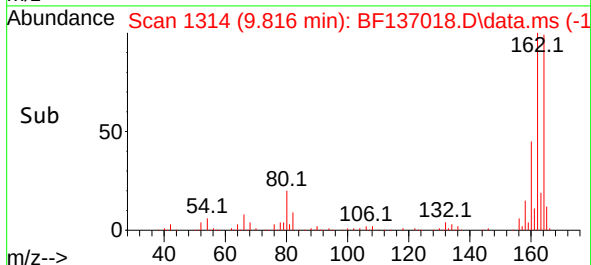
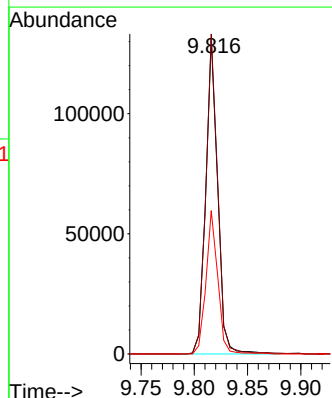
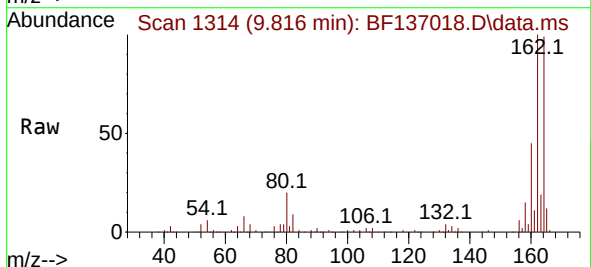
Instrument :
BNA_F
ClientSampleId :
69-2-TP

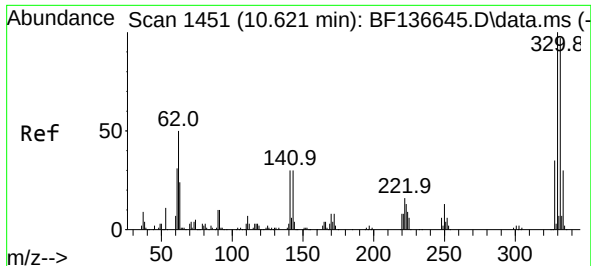
Tgt Ion: 82 Resp: 213806
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF137018.D
Acq: 10 Jan 2024 14:12

Tgt Ion:164 Resp: 102540
Ion Ratio Lower Upper
164 100
162 101.5 81.6 122.4
160 45.4 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 77.454 ng

RT: 10.616 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF137018.D

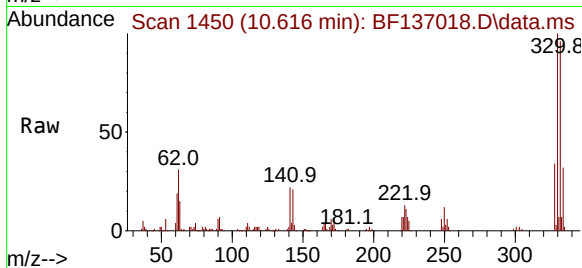
Acq: 10 Jan 2024 14:12

Instrument :

BNA_F

ClientSampleId :

69-2-TP



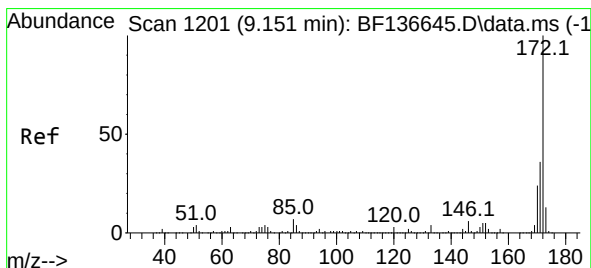
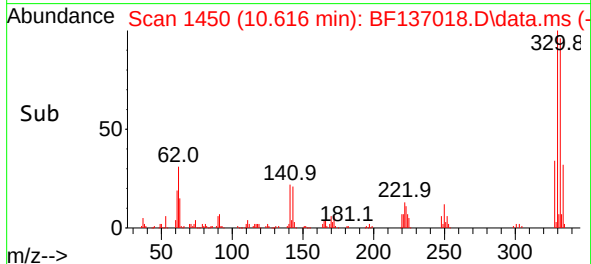
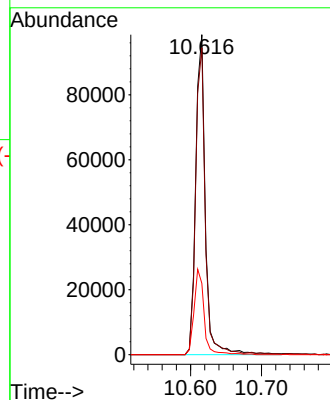
Tgt Ion:330 Resp: 93536

Ion Ratio Lower Upper

330 100

332 94.3 77.4 116.0

141 27.5 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 54.641 ng

RT: 9.134 min Scan# 1198

Delta R.T. -0.017 min

Lab File: BF137018.D

Acq: 10 Jan 2024 14:12

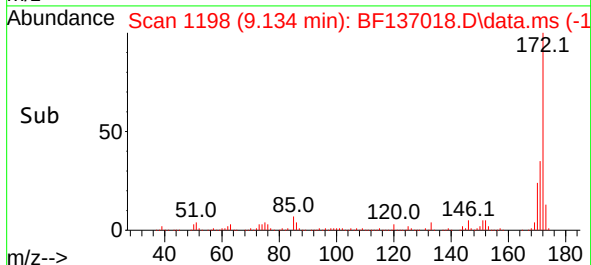
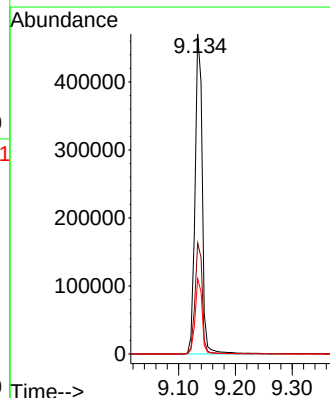
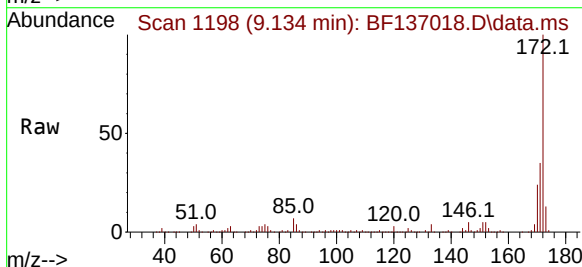
Tgt Ion:172 Resp: 416578

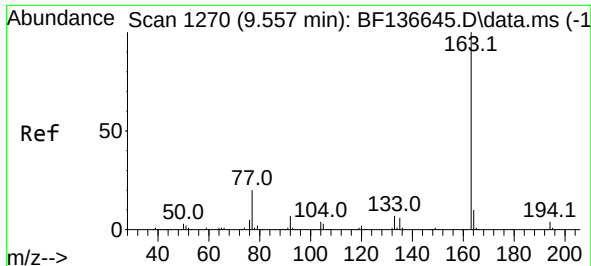
Ion Ratio Lower Upper

172 100

171 34.7 29.0 43.6

170 23.5 19.0 28.4

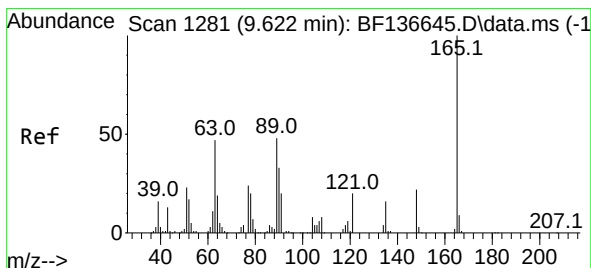
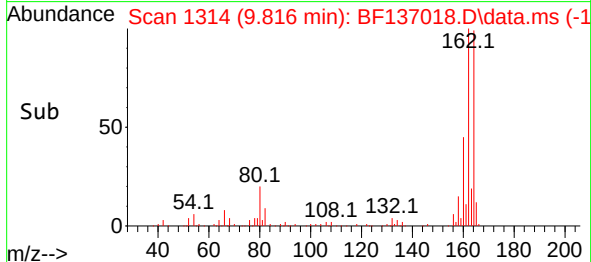
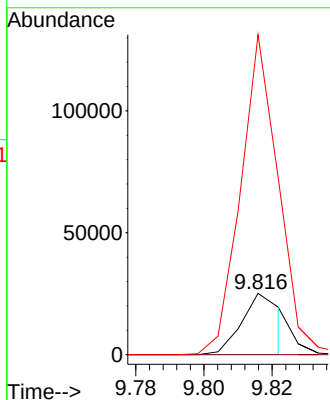
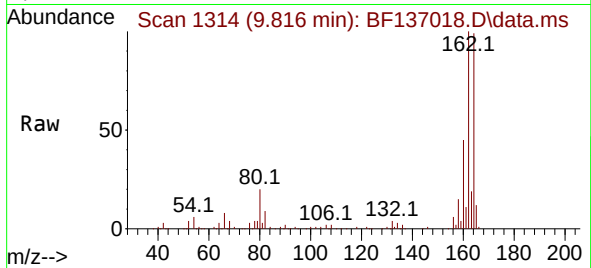




#50
Dimethylphthalate
Concen: 2.657 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF137018.D
Acq: 10 Jan 2024 14:12

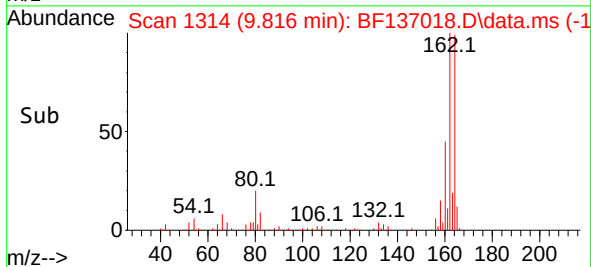
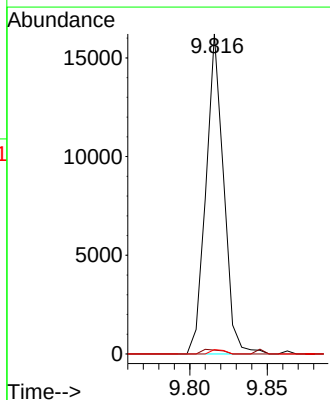
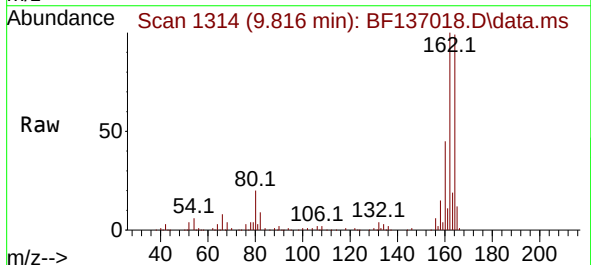
Instrument :
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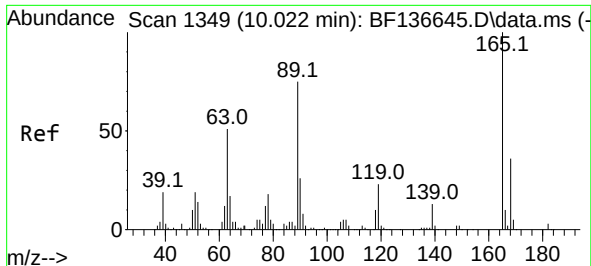
Tgt Ion:163 Resp: 19898
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 522.2 7.8 11.6#



#51
2,6-Dinitrotoluene
Concen: 7.590 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.194 min
Lab File: BF137018.D
Acq: 10 Jan 2024 14:12

Tgt Ion:165 Resp: 12901
Ion Ratio Lower Upper
165 100
63 1.2 39.8 59.6#
89 1.4 38.8 58.2#

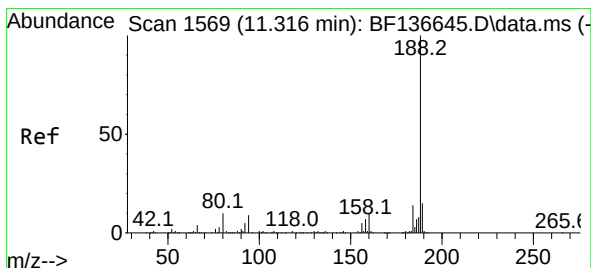
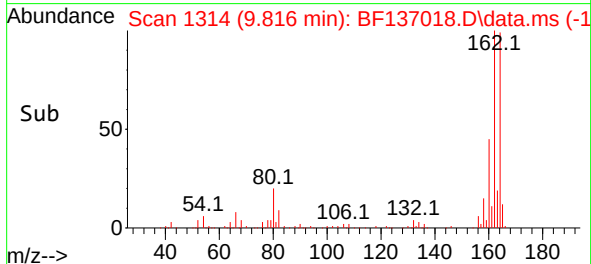
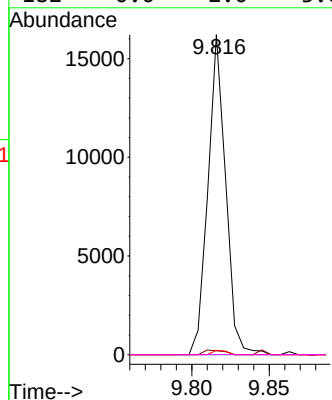
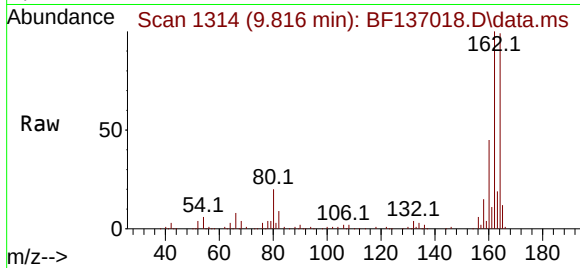




#57
2,4-Dinitrotoluene
Concen: 5.846 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF137018.D
Acq: 10 Jan 2024 14:12

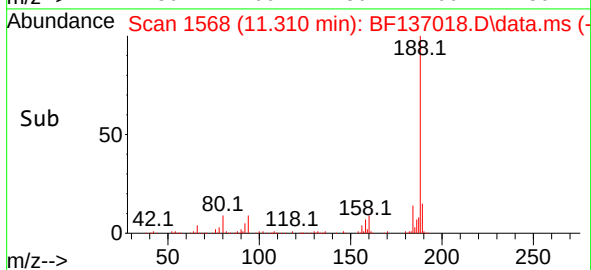
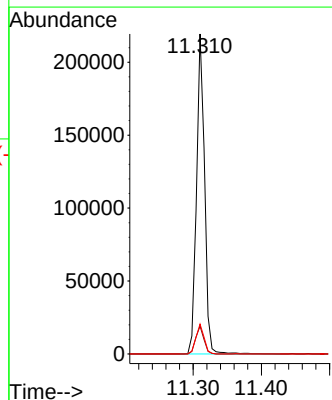
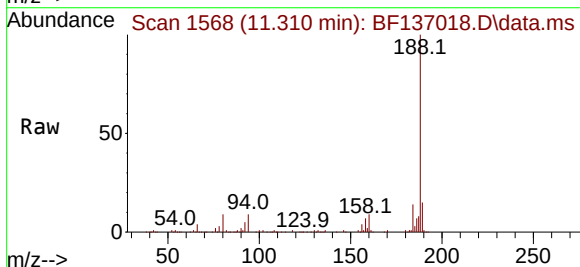
Instrument :
BNA_F
ClientSampleId :
69-2-TP

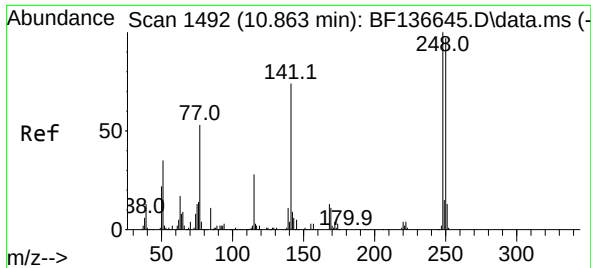
Tgt Ion:165 Resp: 12901
Ion Ratio Lower Upper
165 100
63 1.2 41.0 61.6#
89 1.4 59.9 89.9#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF137018.D
Acq: 10 Jan 2024 14:12

Tgt Ion:188 Resp: 179589
Ion Ratio Lower Upper
188 100
94 8.7 7.5 11.3
80 9.4 8.1 12.1

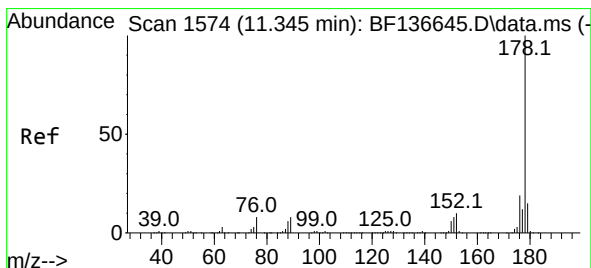
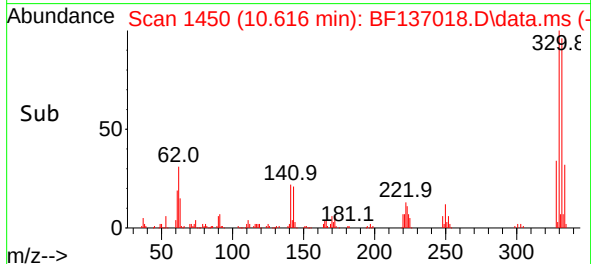
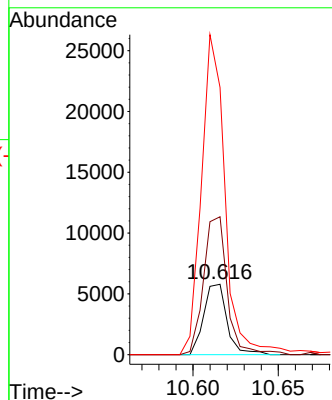
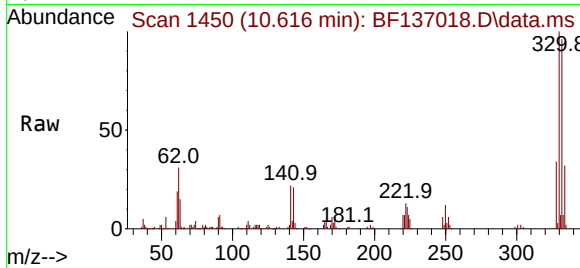




#67
4-Bromophenyl-phenylether
Concen: 2.768 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.247 min
Lab File: BF137018.D
Acq: 10 Jan 2024 14:12

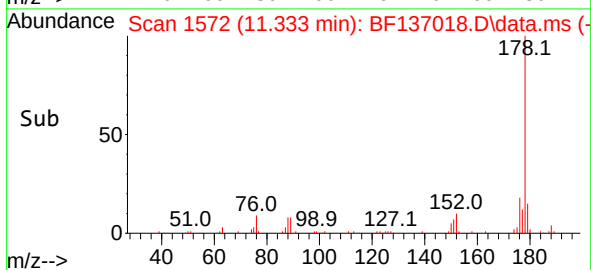
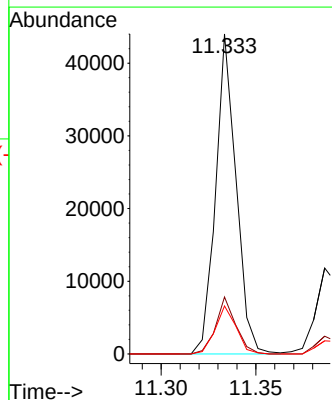
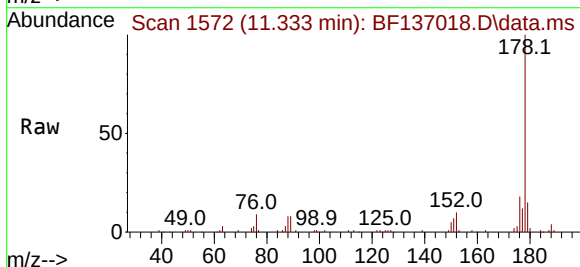
Instrument :
BNA_F
ClientSampleId :
69-2-TP

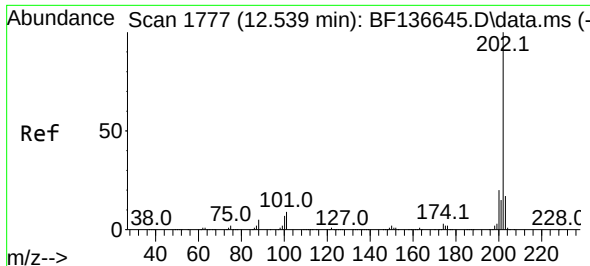
Tgt Ion:248 Resp: 5520
Ion Ratio Lower Upper
248 100
250 196.1 77.8 116.6#
141 379.7 59.2 88.8#



#71
Phenanthrene
Concen: 3.597 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF137018.D
Acq: 10 Jan 2024 14:12

Tgt Ion:178 Resp: 33150
Ion Ratio Lower Upper
178 100
176 17.8 15.3 22.9
179 15.0 11.9 17.9

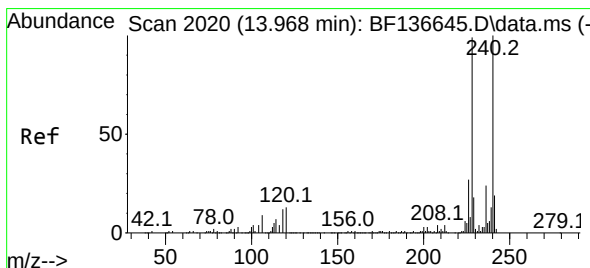
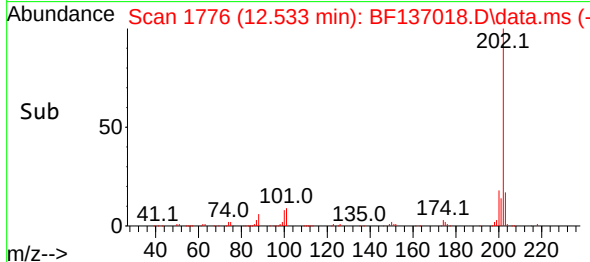
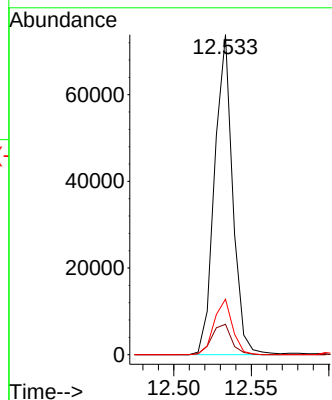
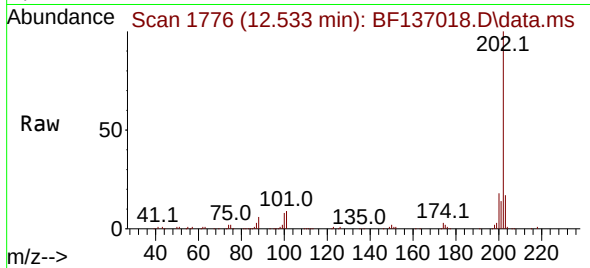




#75
Fluoranthene
Concen: 6.077 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF137018.D
Acq: 10 Jan 2024 14:12

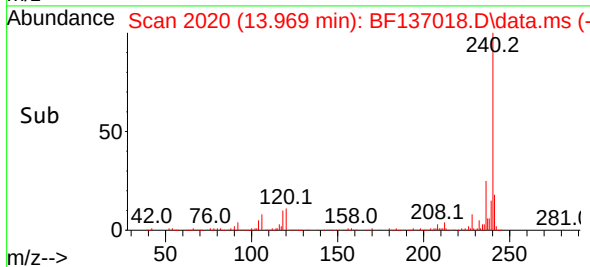
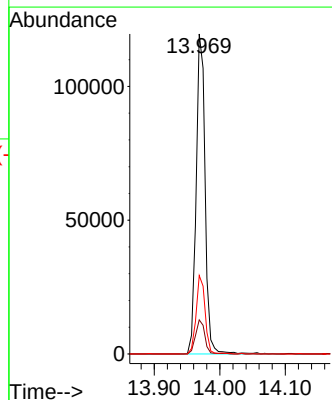
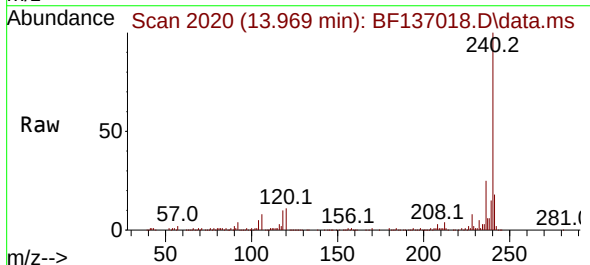
Instrument :
BNA_F
ClientSampleId :
69-2-TP

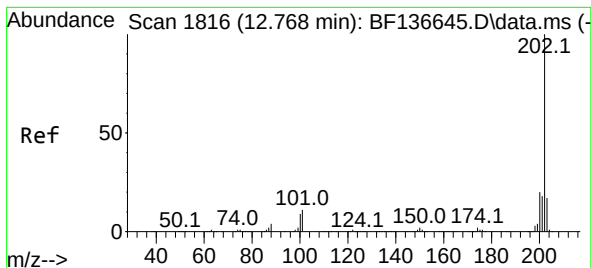
Tgt Ion:202 Resp: 59900
Ion Ratio Lower Upper
202 100
101 9.5 0.0 29.3
203 17.4 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF137018.D
Acq: 10 Jan 2024 14:12

Tgt Ion:240 Resp: 114032
Ion Ratio Lower Upper
240 100
120 10.6 10.3 15.5
236 24.5 19.4 29.2





#78

Pyrene

Concen: 4.496 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF137018.D

Acq: 10 Jan 2024 14:12

Instrument :

BNA_F

ClientSampleId :

69-2-TP

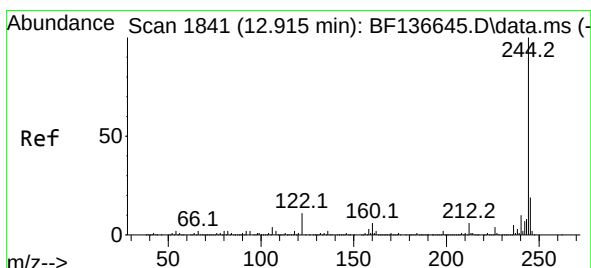
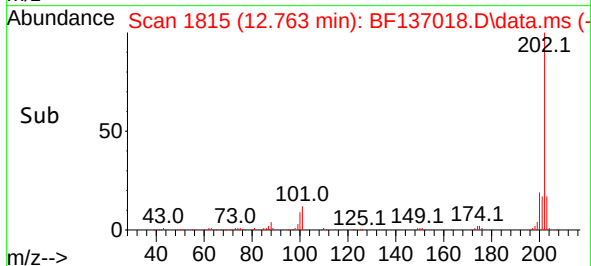
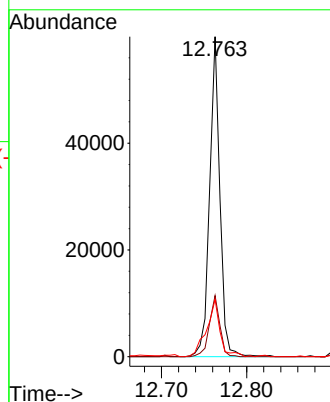
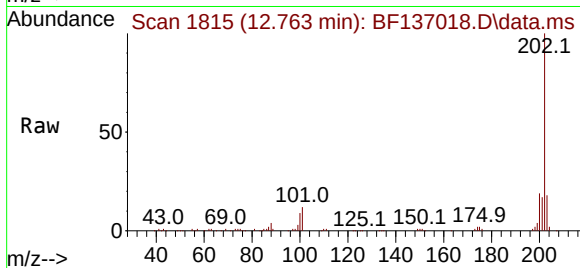
Tgt Ion:202 Resp: 50325

Ion Ratio Lower Upper

202 100

200 19.1 15.9 23.9

203 17.9 13.8 20.6



#79

Terphenyl-d14

Concen: 48.098 ng

RT: 12.910 min Scan# 1840

Delta R.T. -0.006 min

Lab File: BF137018.D

Acq: 10 Jan 2024 14:12

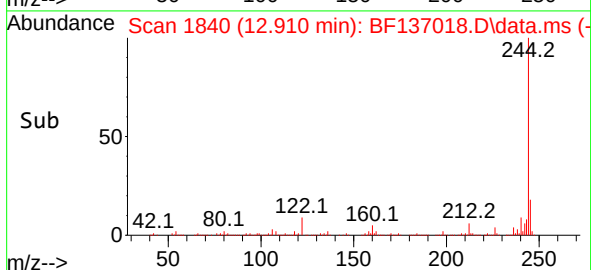
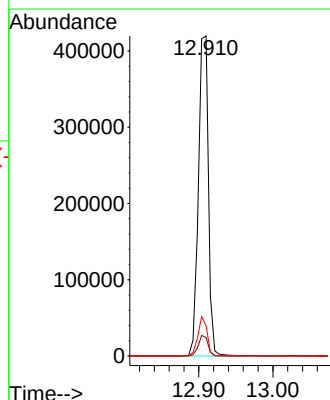
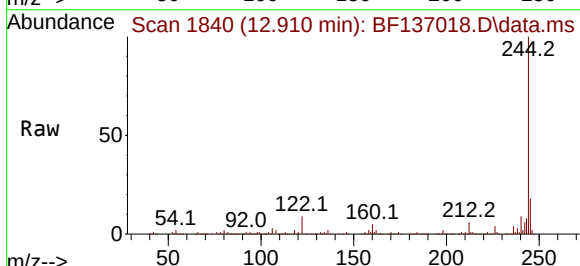
Tgt Ion:244 Resp: 392472

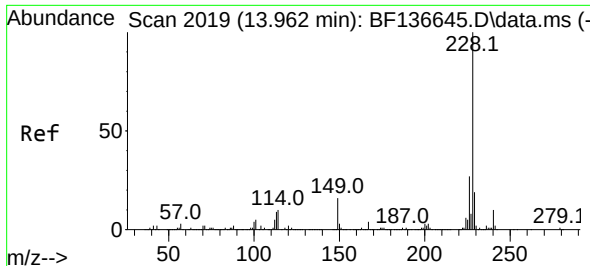
Ion Ratio Lower Upper

244 100

212 5.8 5.0 7.4

122 9.4 9.0 13.4

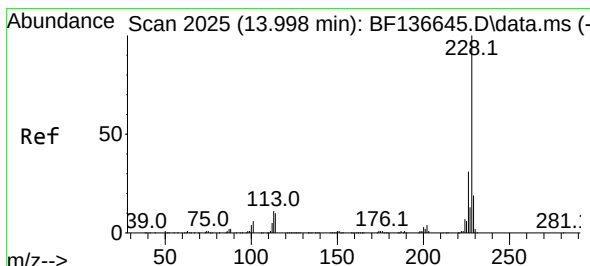
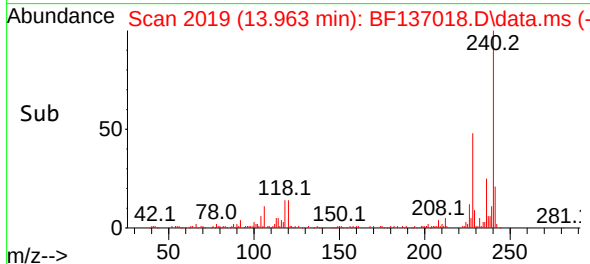
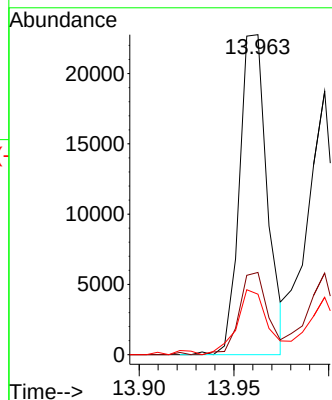
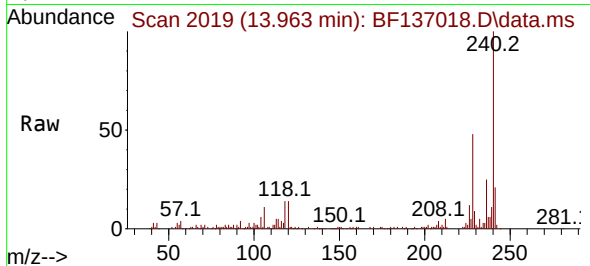




#81
Benzo(a)anthracene
Concen: 2.940 ng
RT: 13.963 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF137018.D
Acq: 10 Jan 2024 14:12

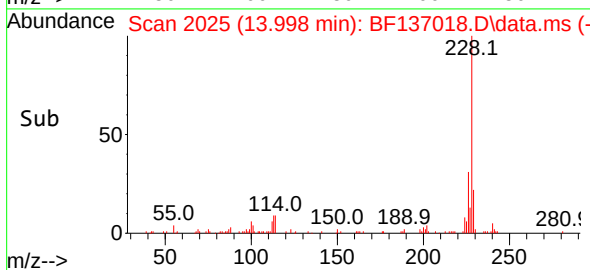
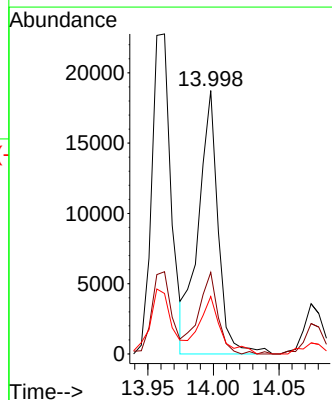
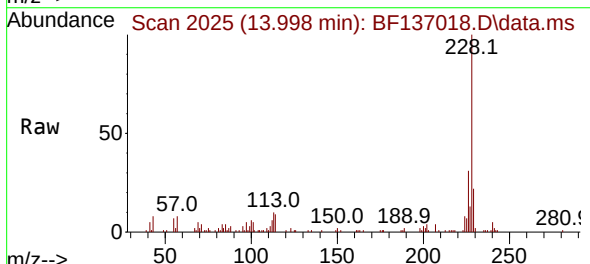
Instrument :
BNA_F
ClientSampleId :
69-2-TP

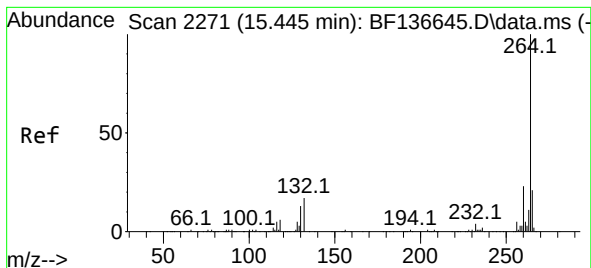
Tgt Ion:228 Resp: 23279
Ion Ratio Lower Upper
228 100
226 25.7 21.4 32.0
229 18.9 14.9 22.3



#83
Chrysene
Concen: 2.558 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF137018.D
Acq: 10 Jan 2024 14:12

Tgt Ion:228 Resp: 19808
Ion Ratio Lower Upper
228 100
226 31.0 24.7 37.1
229 21.8 15.4 23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.463 min Scan# 2199

Delta R.T. 0.018 min

Lab File: BF137018.D

Acq: 10 Jan 2024 14:12

Instrument :

BNA_F

ClientSampleId :

69-2-TP

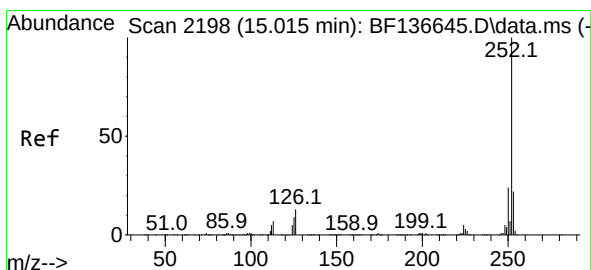
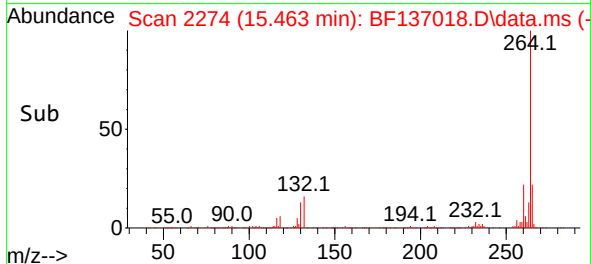
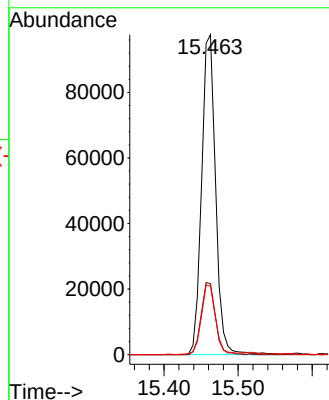
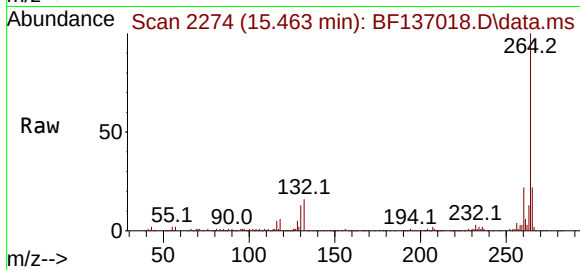
Tgt Ion:264 Resp: 128126

Ion Ratio Lower Upper

264 100

260 22.2 18.3 27.5

265 21.5 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 4.441 ng

RT: 15.021 min Scan# 2199

Delta R.T. 0.006 min

Lab File: BF137018.D

Acq: 10 Jan 2024 14:12

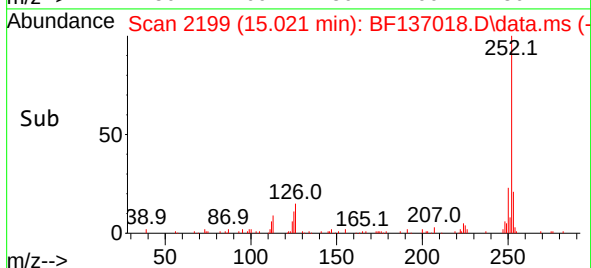
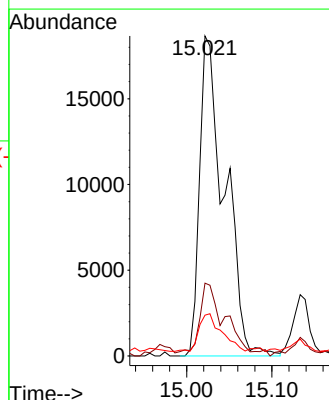
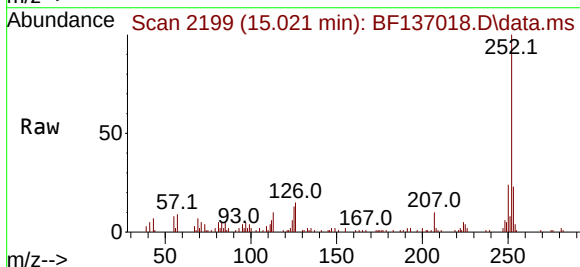
Tgt Ion:252 Resp: 38002

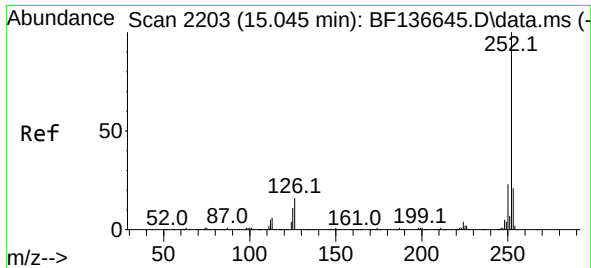
Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.0

125 12.8 7.4 11.2#

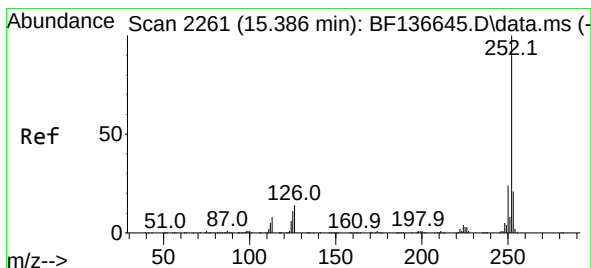
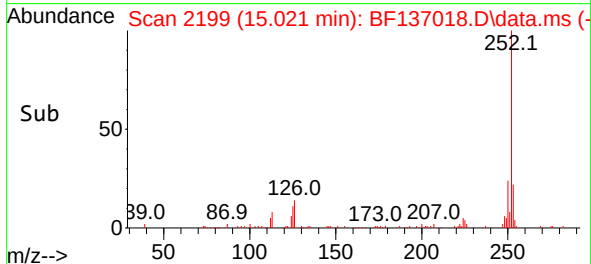
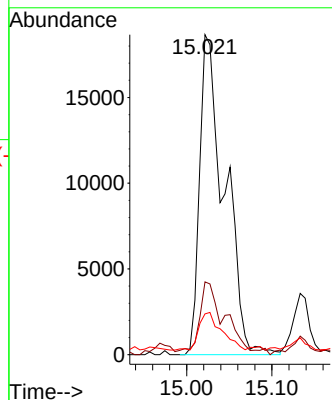
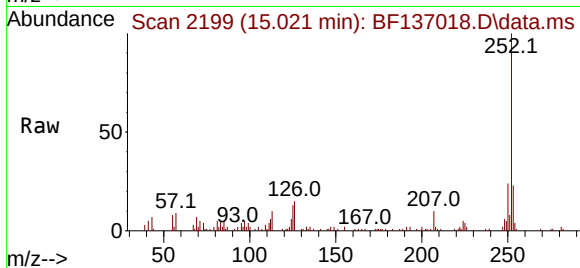




#89
Benzo(k)fluoranthene
Concen: 4.700 ng
RT: 15.021 min Scan# 2199
Delta R.T. -0.023 min
Lab File: BF137018.D
Acq: 10 Jan 2024 14:12

Instrument :
BNA_F
ClientSampleId :
69-2-TP

Tgt Ion:252 Resp: 38002
Ion Ratio Lower Upper
252 100
253 22.8 17.0 25.6
125 12.8 8.2 12.4#



#90
Benzo(a)pyrene
Concen: 2.994 ng
RT: 15.398 min Scan# 2263
Delta R.T. 0.012 min
Lab File: BF137018.D
Acq: 10 Jan 2024 14:12

Tgt Ion:252 Resp: 21627
Ion Ratio Lower Upper
252 100
253 23.4 17.0 25.6
125 10.7 8.8 13.2

