

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
 Data File : BF139969.D
 Acq On : 23 Oct 2024 17:30
 Operator : RC/JU
 Sample : P4458-01 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 280517

Quant Time: Oct 23 17:53:50 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

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

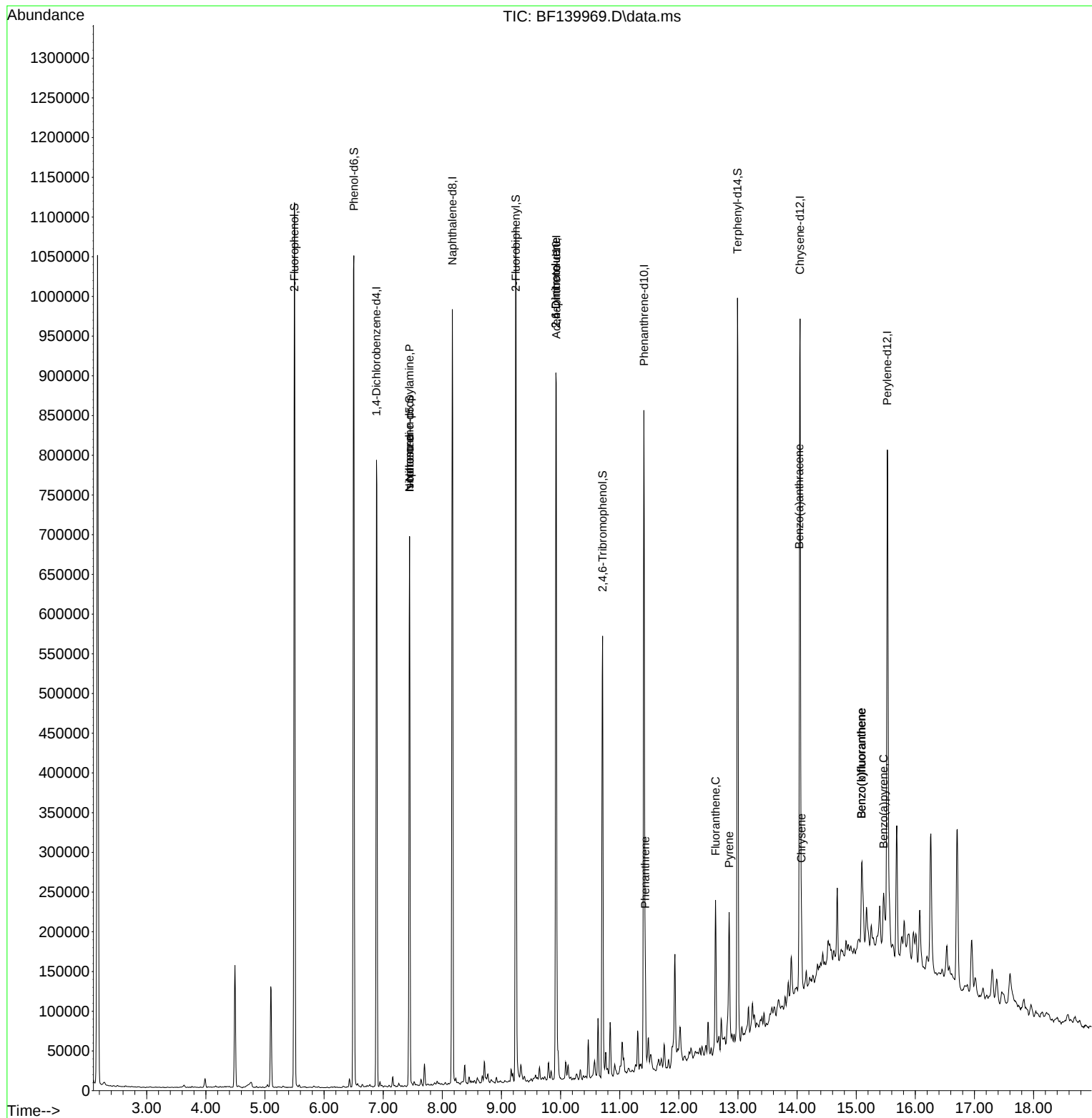
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	163623	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	576692	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	276883	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	425444	20.000	ng	0.00
76) Chrysene-d12	14.051	240	373812	20.000	ng	0.00
86) Perylene-d12	15.527	264	365815	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	394432	37.738	ng	0.00
7) Phenol-d6	6.504	99	488196	36.064	ng	0.00
23) Nitrobenzene-d5	7.445	82	286172	27.503	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	92776	35.823	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	496296	29.624	ng	0.00
79) Terphenyl-d14	12.992	244	459372	20.024	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	37996	4.628	ng	# 79
25) Isophorone	7.445	82	284138	14.387	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	35074	9.393	ng	# 21
57) 2,4-Dinitrotoluene	9.922	165	35130	7.650	ng	# 21
71) Phenanthrene	11.433	178	65410	3.255	ng	99
75) Fluoranthene	12.621	202	102007	5.021	ng	99
78) Pyrene	12.851	202	88564	2.707	ng	98
81) Benzo(a)anthracene	14.039	228	57597	2.367	ng	97
83) Chrysene	14.074	228	46602	2.089	ng	95
88) Benzo(b)fluoranthene	15.092	252	81704	3.667	ng	# 91
89) Benzo(k)fluoranthene	15.092	252	81704	4.251	ng	# 91
90) Benzo(a)pyrene	15.462	252	40555	2.212	ng	96

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

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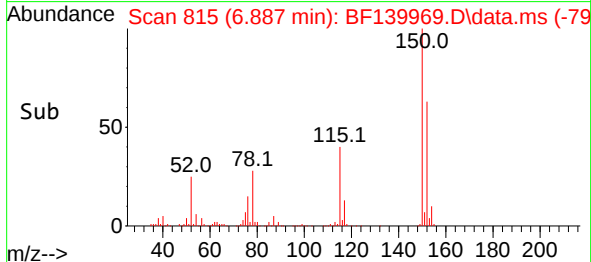
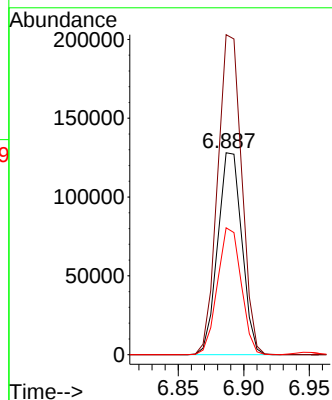
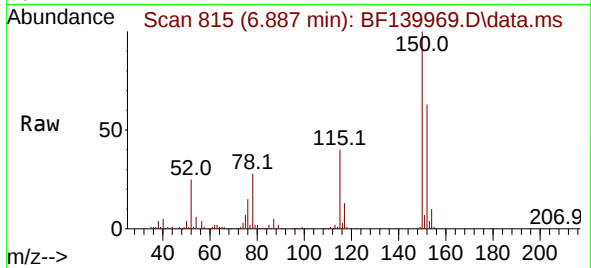




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF139969.D
Acq: 23 Oct 2024 17:30

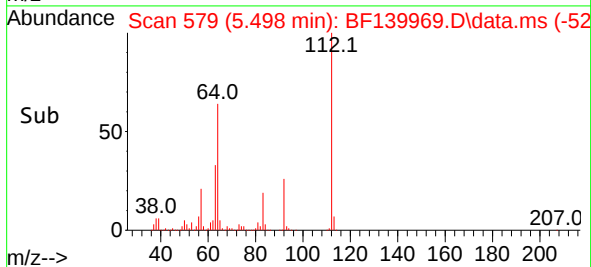
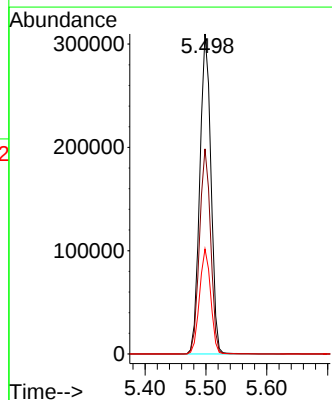
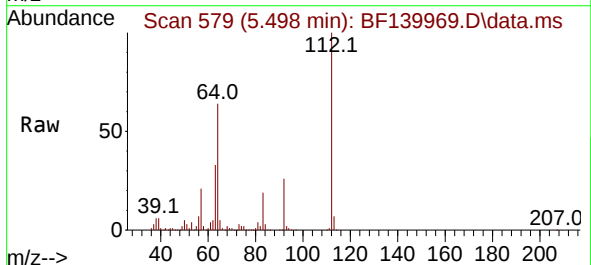
Instrument :
BNA_F
ClientSampleId :
280517

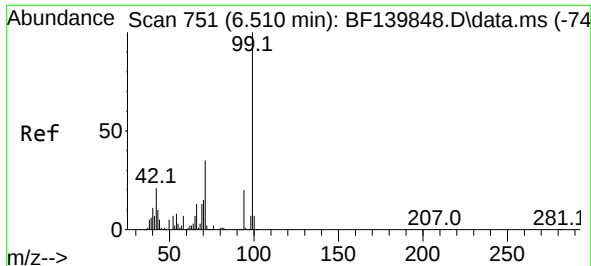
Tgt Ion:152 Resp: 163623
Ion Ratio Lower Upper
152 100
150 158.4 130.2 195.2
115 62.8 51.4 77.2



#5
2-Fluorophenol
Concen: 37.738 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF139969.D
Acq: 23 Oct 2024 17:30

Tgt Ion:112 Resp: 394432
Ion Ratio Lower Upper
112 100
64 64.1 53.0 79.6
63 32.8 27.0 40.4

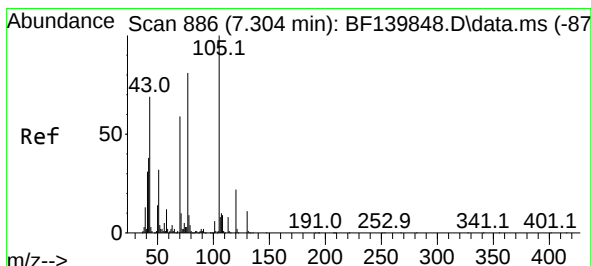
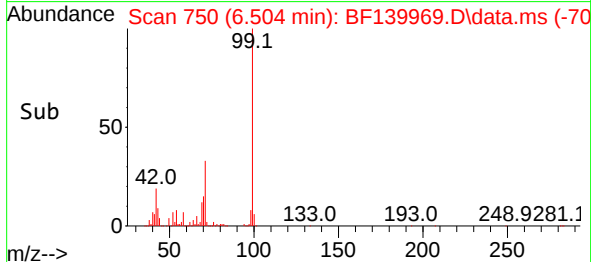
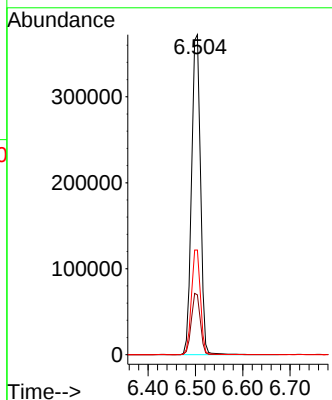
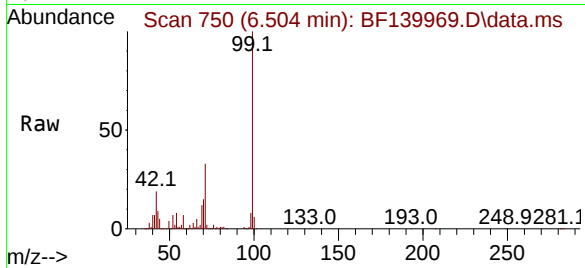




#7
Phenol-d6
Concen: 36.064 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139969.D
Acq: 23 Oct 2024 17:30

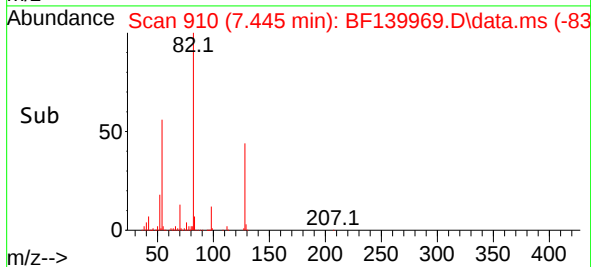
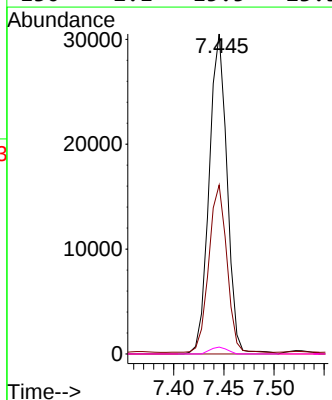
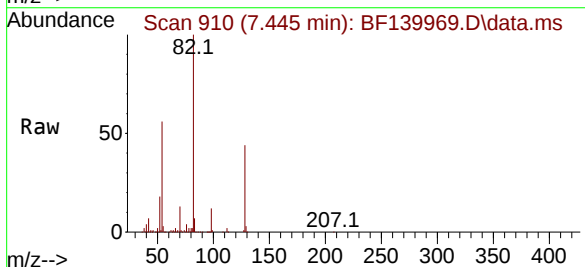
Instrument :
BNA_F
ClientSampleId :
280517

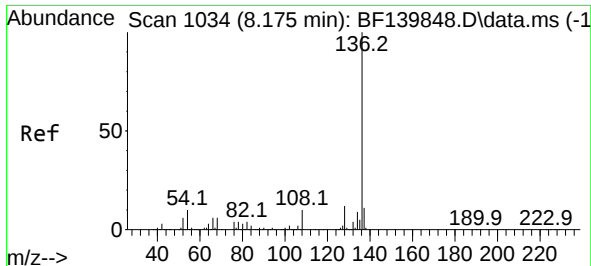
Tgt Ion: 99 Resp: 488196
Ion Ratio Lower Upper
99 100
42 18.7 16.7 25.1
71 32.7 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 4.628 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF139969.D
Acq: 23 Oct 2024 17:30

Tgt Ion: 70 Resp: 37996
Ion Ratio Lower Upper
70 100
42 52.8 51.5 77.3
101 0.0 7.5 11.3#
130 2.1 15.5 23.3#

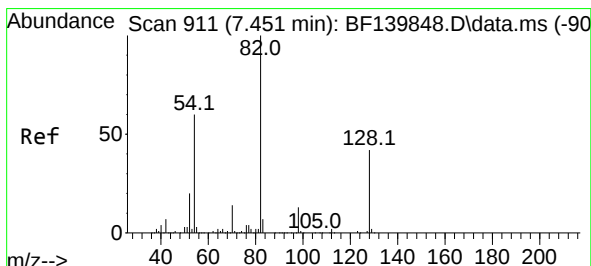
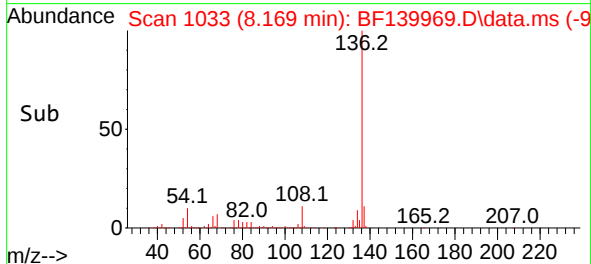
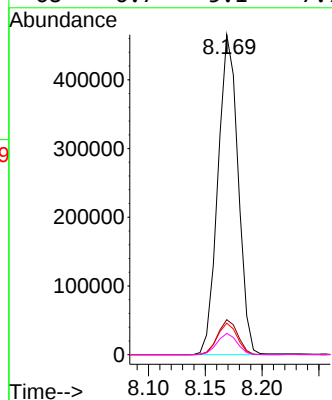
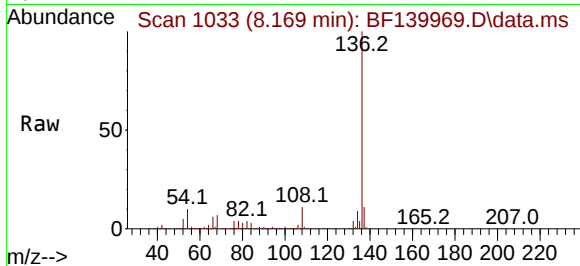




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF139969.D
Acq: 23 Oct 2024 17:30

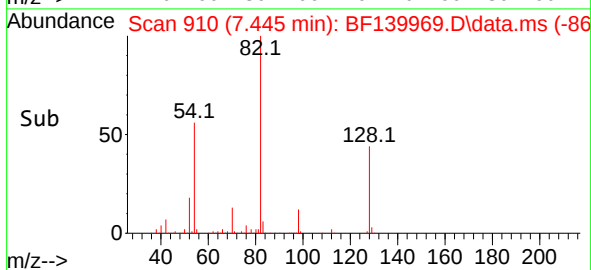
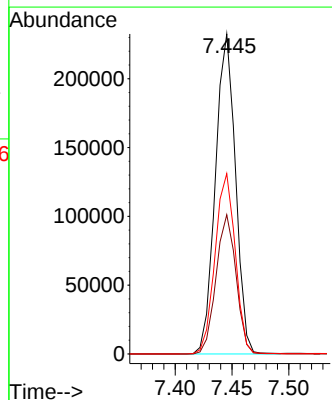
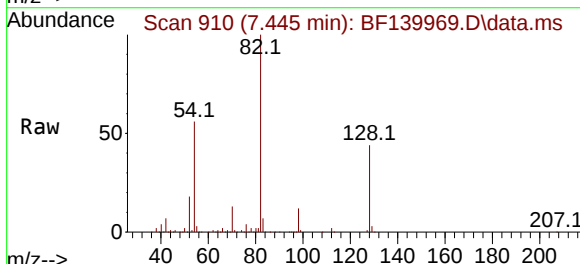
Instrument :
BNA_F
ClientSampleId :
280517

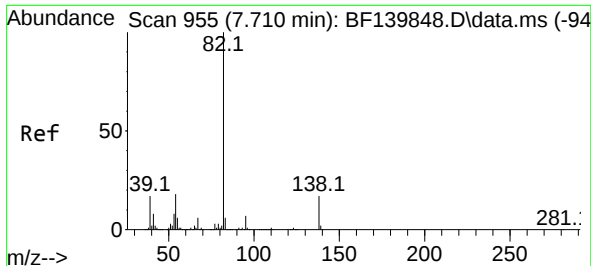
Tgt Ion:	136	Resp:	576692
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	12.8
54	9.9	8.4	12.6
68	6.7	5.1	7.7



#23
Nitrobenzene-d5
Concen: 27.503 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF139969.D
Acq: 23 Oct 2024 17:30

Tgt Ion:	82	Resp:	286172
Ion	Ratio	Lower	Upper
82	100		
128	43.5	33.4	50.0
54	56.3	47.8	71.8

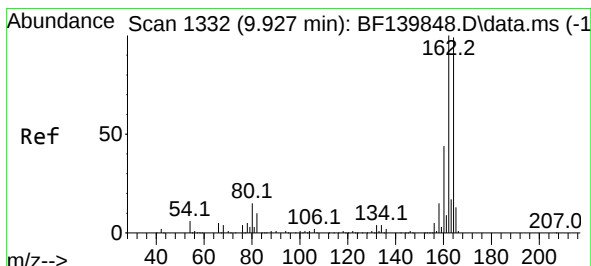
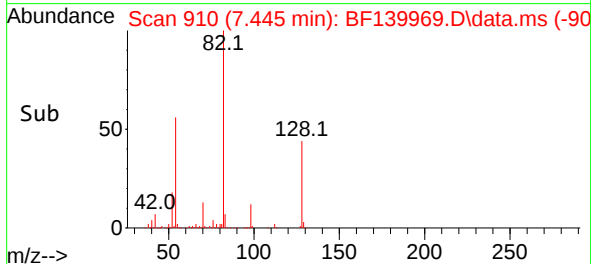
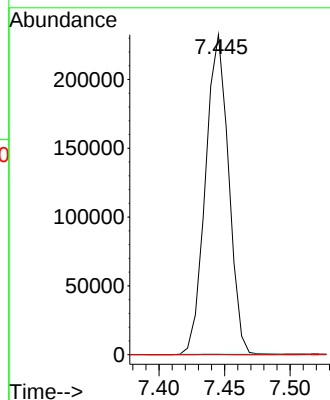
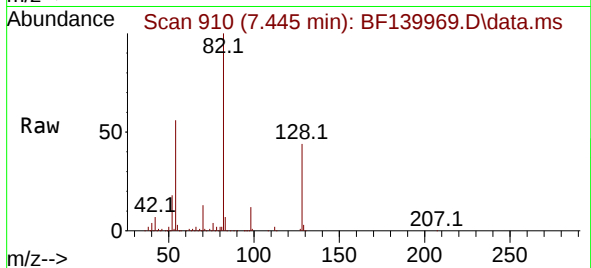




#25
Isophorone
Concen: 14.387 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.265 min
Lab File: BF139969.D
Acq: 23 Oct 2024 17:30

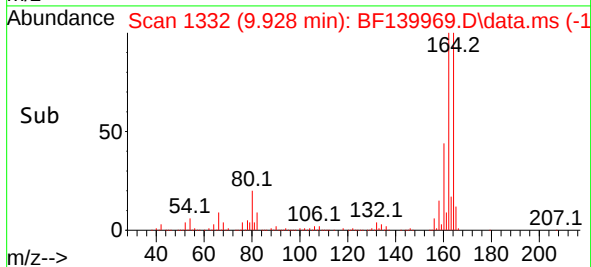
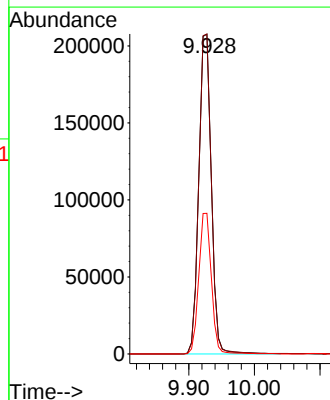
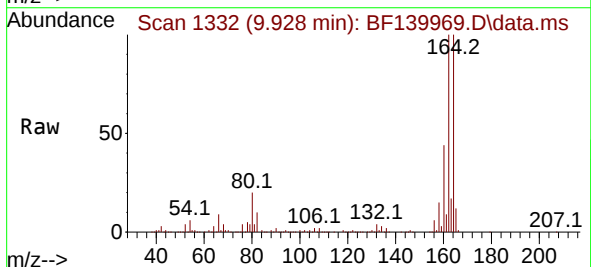
Instrument :
BNA_F
ClientSampleId :
280517

Tgt Ion: 82 Resp: 284138
Ion Ratio Lower Upper
82 100
95 0.1 5.5 8.3#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1332
Delta R.T. 0.001 min
Lab File: BF139969.D
Acq: 23 Oct 2024 17:30

Tgt Ion: 164 Resp: 276883
Ion Ratio Lower Upper
164 100
162 100.1 81.0 121.4
160 44.0 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 35.823 ng

RT: 10.710 min Scan# 1465

Delta R.T. -0.006 min

Lab File: BF139969.D

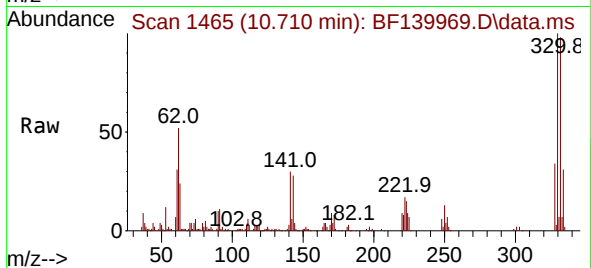
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Instrument :

BNA_F

ClientSampleId :

280517



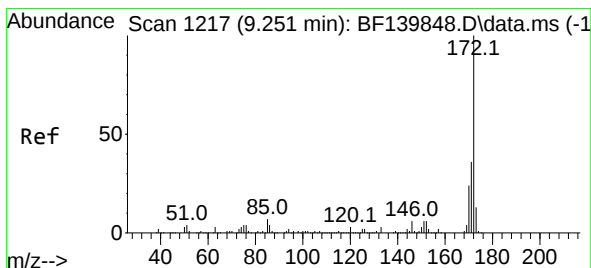
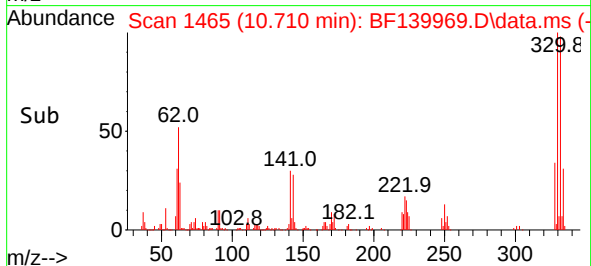
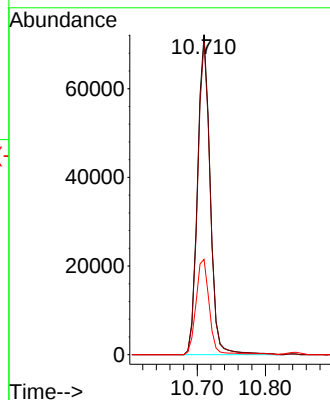
Tgt Ion:330 Resp: 92776

Ion Ratio Lower Upper

330 100

332 97.4 78.1 117.1

141 31.1 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 29.624 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF139969.D

Acq: 23 Oct 2024 17:30

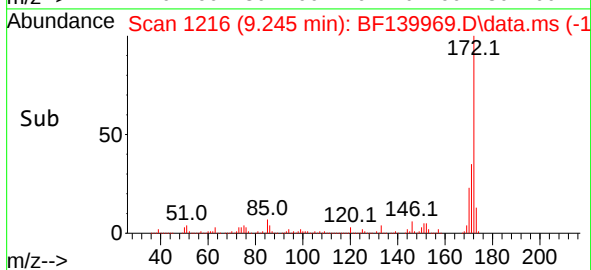
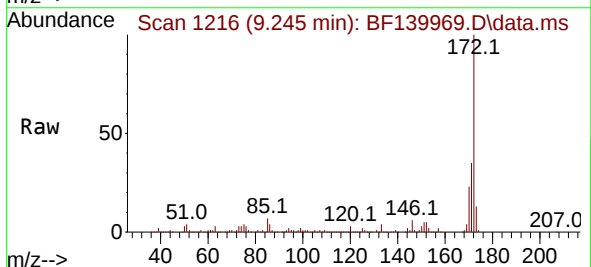
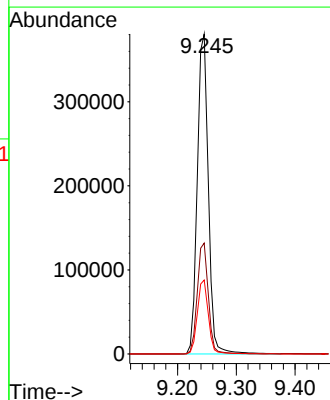
Tgt Ion:172 Resp: 496296

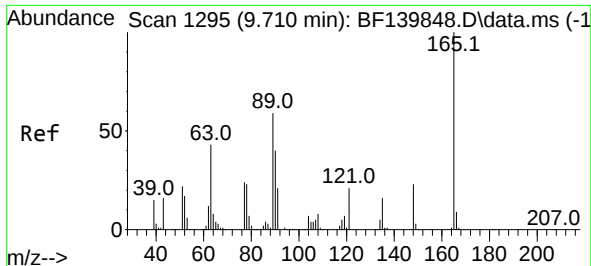
Ion Ratio Lower Upper

172 100

171 34.7 28.6 43.0

170 23.1 19.1 28.7

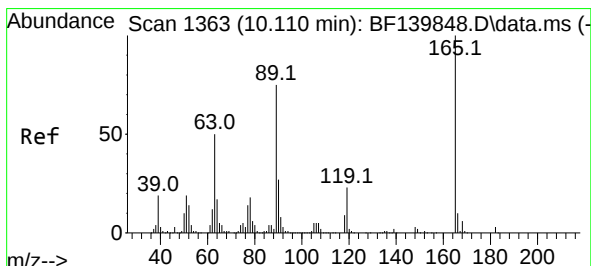
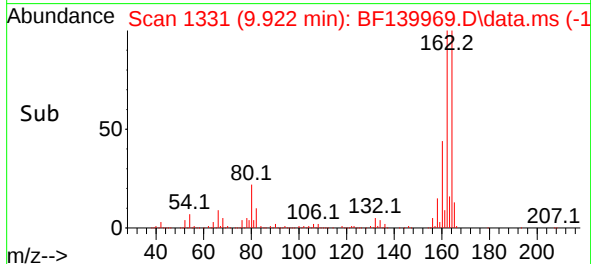
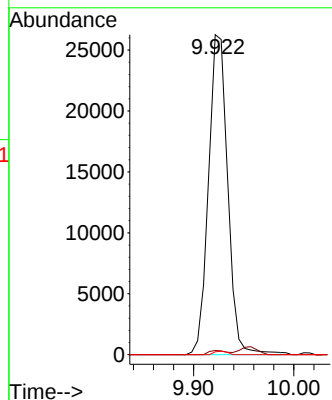
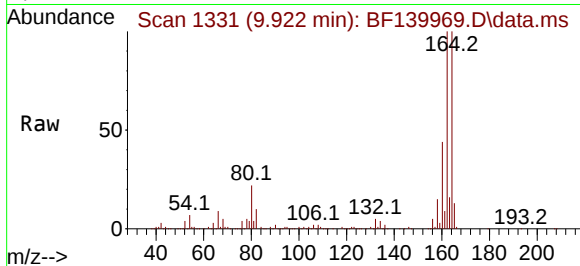




#51
2,6-Dinitrotoluene
Concen: 9.393 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF139969.D
Acq: 23 Oct 2024 17:30

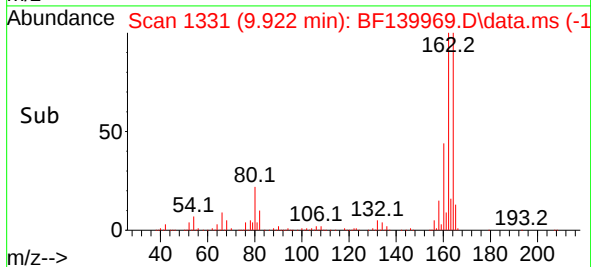
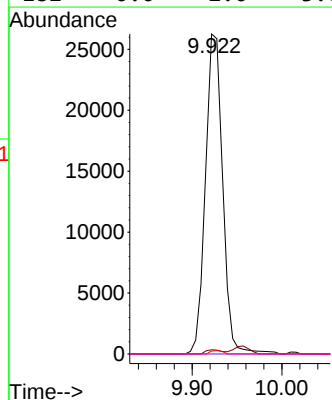
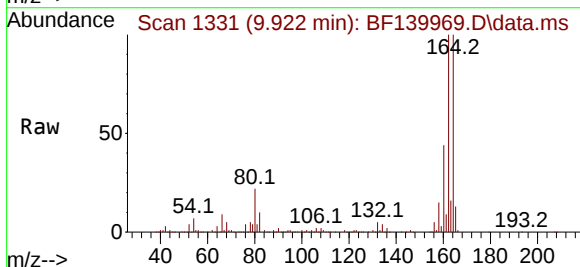
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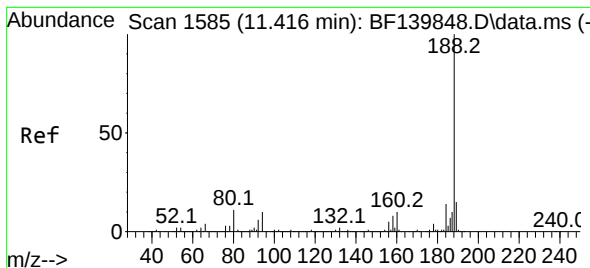
Tgt Ion:165 Resp: 35074
Ion Ratio Lower Upper
165 100
63 1.3 50.6 75.8#
89 0.9 47.5 71.3#



#57
2,4-Dinitrotoluene
Concen: 7.650 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF139969.D
Acq: 23 Oct 2024 17:30

Tgt Ion:165 Resp: 35130
Ion Ratio Lower Upper
165 100
63 1.3 40.1 60.1#
89 0.9 60.4 90.6#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139969.D

Acq: 23 Oct 2024 17:30

Instrument :

BNA_F

ClientSampleId :

280517

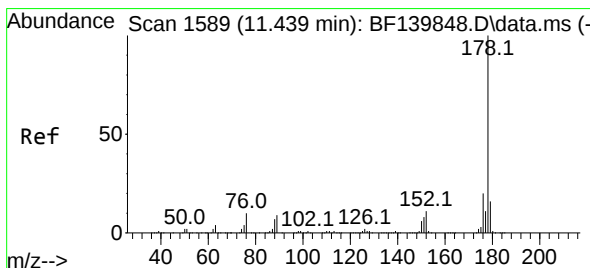
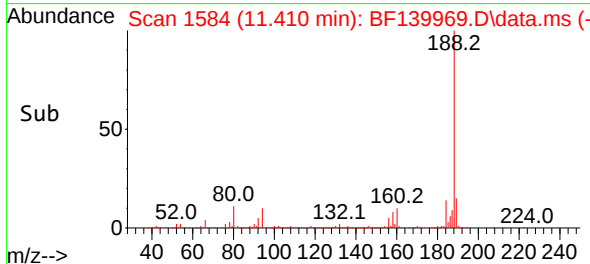
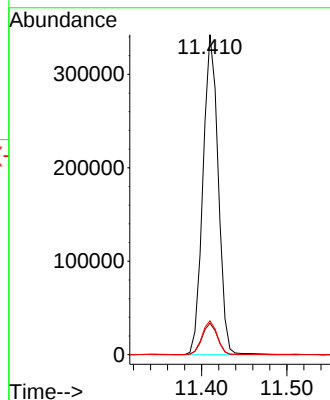
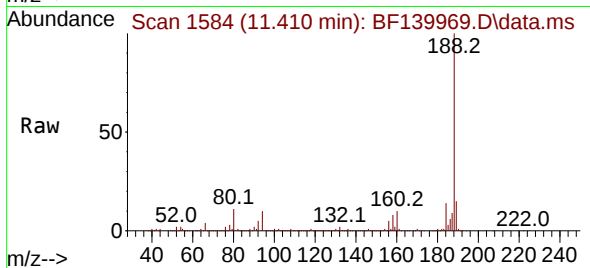
Tgt Ion:188 Resp: 425444

Ion Ratio Lower Upper

188 100

94 9.9 7.9 11.9

80 10.6 9.0 13.4



#71

Phenanthrene

Concen: 3.255 ng

RT: 11.433 min Scan# 1588

Delta R.T. -0.006 min

Lab File: BF139969.D

Acq: 23 Oct 2024 17:30

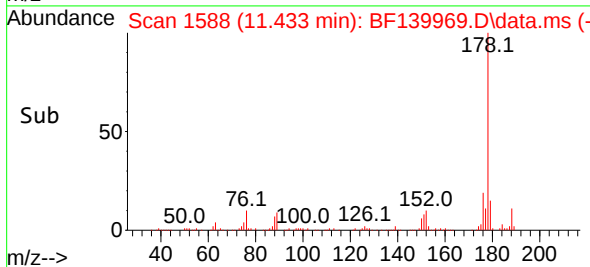
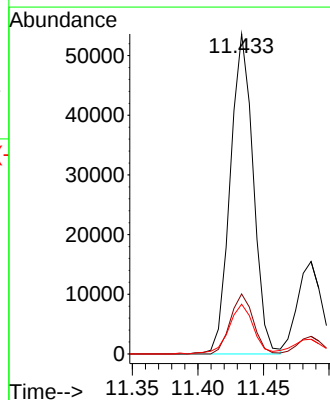
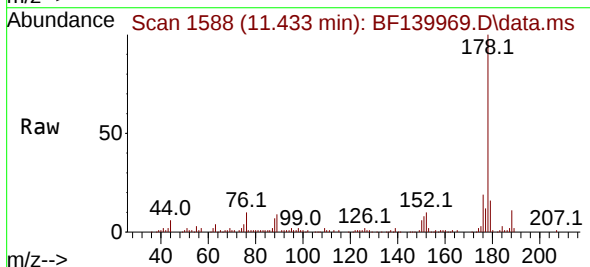
Tgt Ion:178 Resp: 65410

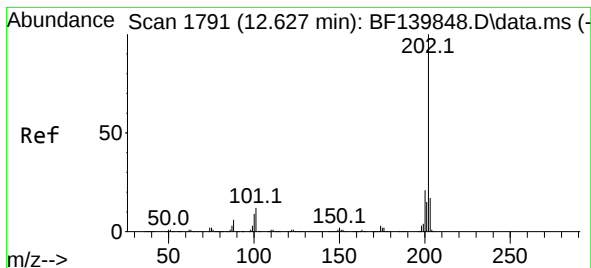
Ion Ratio Lower Upper

178 100

176 18.7 15.8 23.6

179 15.6 12.6 18.8





#75

Fluoranthene

Concen: 5.021 ng

RT: 12.621 min Scan# 1791

Delta R.T. -0.006 min

Lab File: BF139969.D

Acq: 23 Oct 2024 17:30

Instrument :

BNA_F

ClientSampleId :

280517

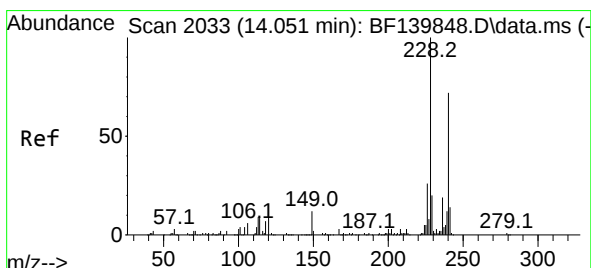
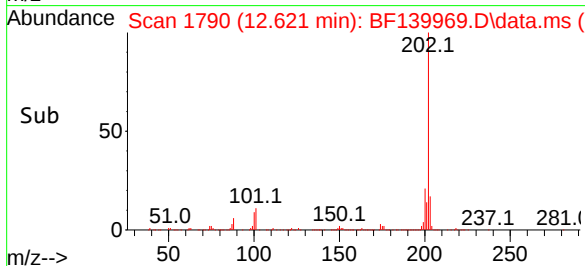
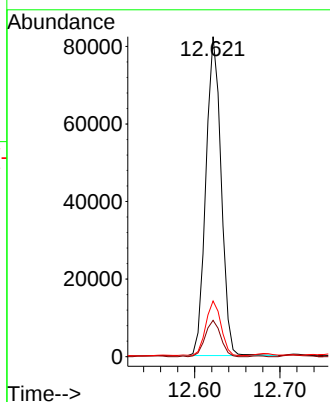
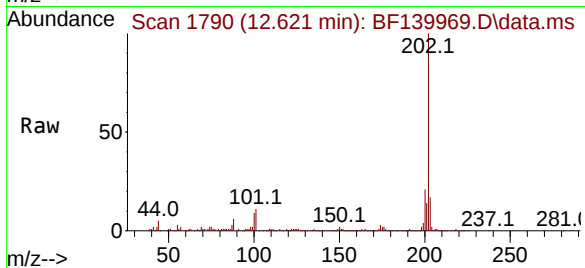
Tgt Ion:202 Resp: 102007

Ion Ratio Lower Upper

202 100

101 11.4 0.0 31.9

203 17.4 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF139969.D

Acq: 23 Oct 2024 17:30

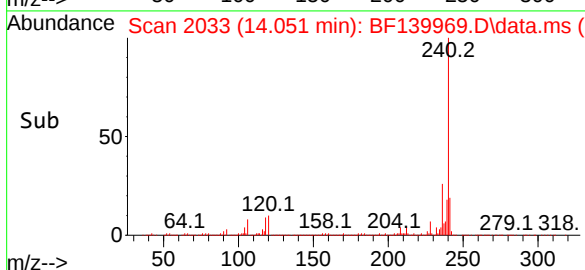
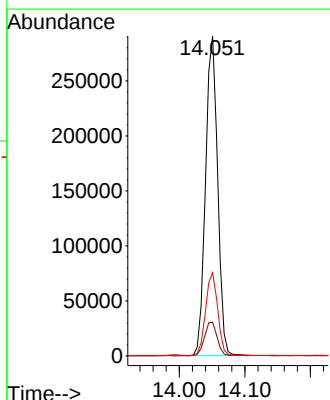
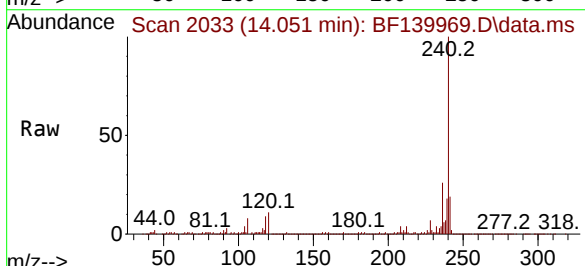
Tgt Ion:240 Resp: 373812

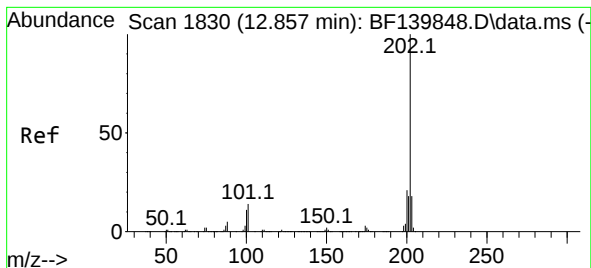
Ion Ratio Lower Upper

240 100

120 10.6 9.4 14.2

236 26.0 20.9 31.3





#78

Pyrene

Concen: 2.707 ng

RT: 12.851 min Scan# 1829

Delta R.T. -0.006 min

Lab File: BF139969.D

Acq: 23 Oct 2024 17:30

Instrument :

BNA_F

ClientSampleId :

280517

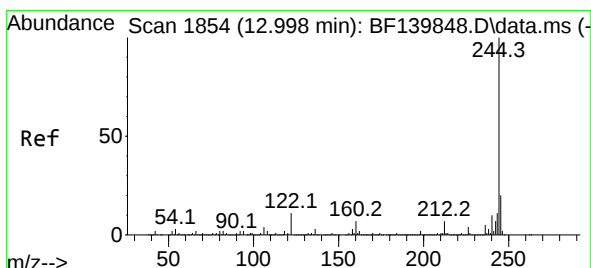
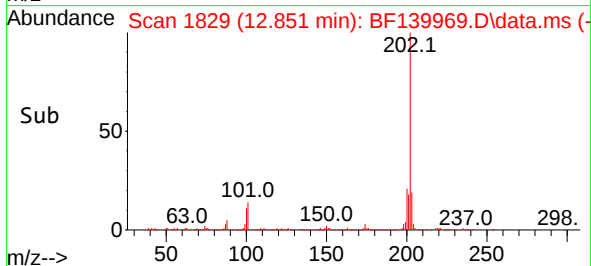
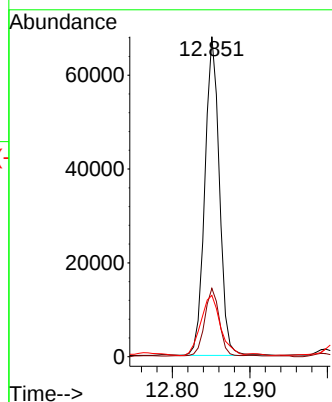
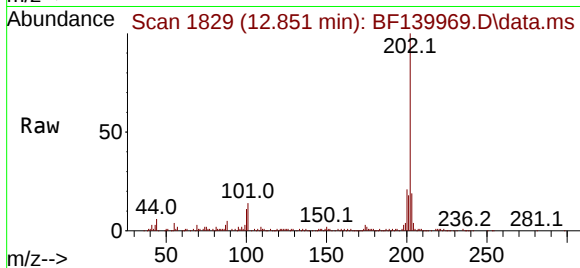
Tgt Ion:202 Resp: 88564

Ion Ratio Lower Upper

202 100

200 21.4 17.2 25.8

203 19.2 14.2 21.4



#79

Terphenyl-d14

Concen: 20.024 ng

RT: 12.992 min Scan# 1853

Delta R.T. -0.006 min

Lab File: BF139969.D

Acq: 23 Oct 2024 17:30

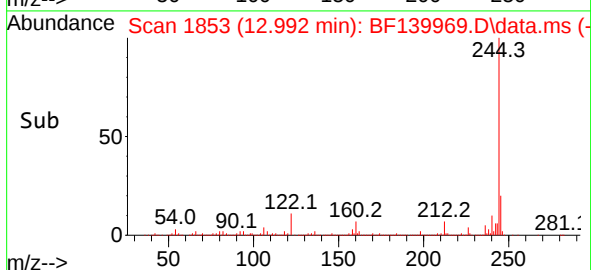
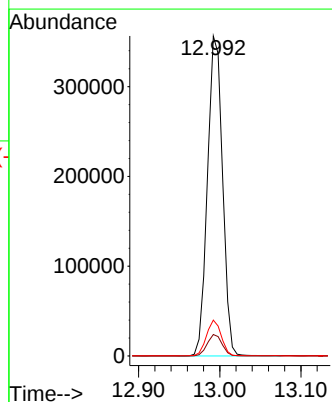
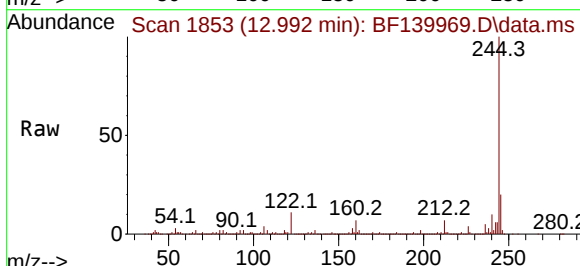
Tgt Ion:244 Resp: 459372

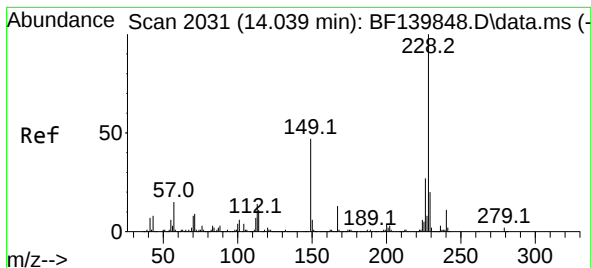
Ion Ratio Lower Upper

244 100

212 6.7 5.7 8.5

122 11.2 8.6 13.0





#81

Benzo(a)anthracene

Concen: 2.367 ng

RT: 14.039 min Scan# 2031

Delta R.T. 0.000 min

Lab File: BF139969.D

Acq: 23 Oct 2024 17:30

Instrument :

BNA_F

ClientSampleId :

280517

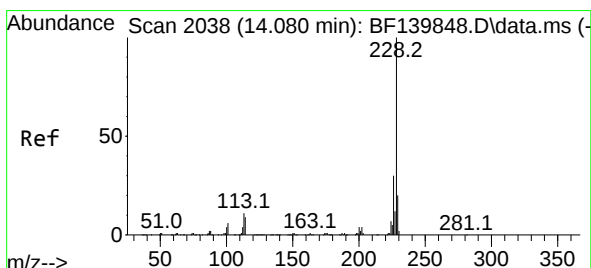
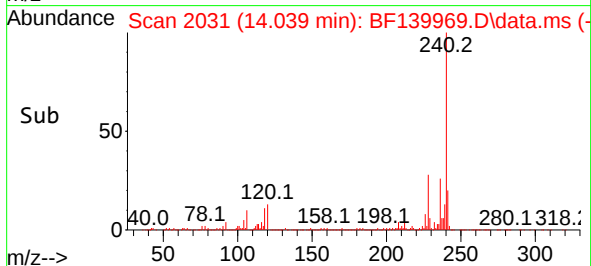
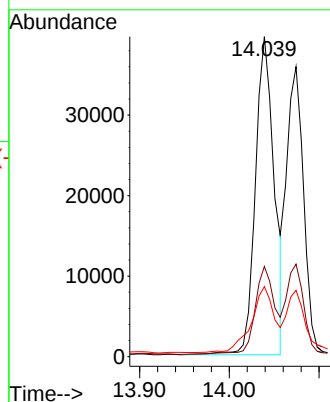
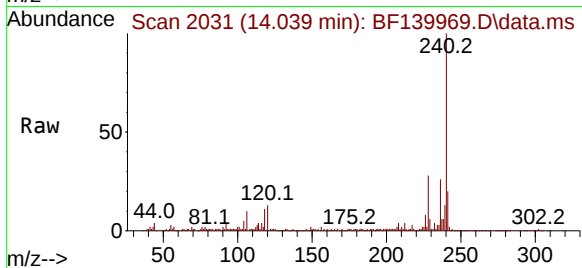
Tgt Ion:228 Resp: 57597

Ion Ratio Lower Upper

228 100

226 28.2 21.6 32.4

229 21.9 16.1 24.1



#83

Chrysene

Concen: 2.089 ng

RT: 14.074 min Scan# 2037

Delta R.T. -0.006 min

Lab File: BF139969.D

Acq: 23 Oct 2024 17:30

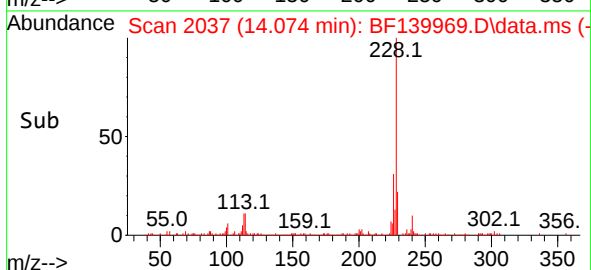
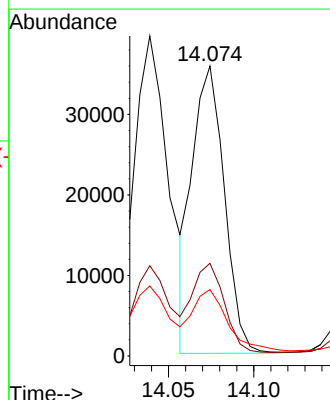
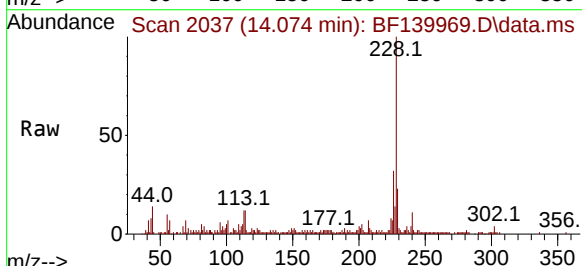
Tgt Ion:228 Resp: 46602

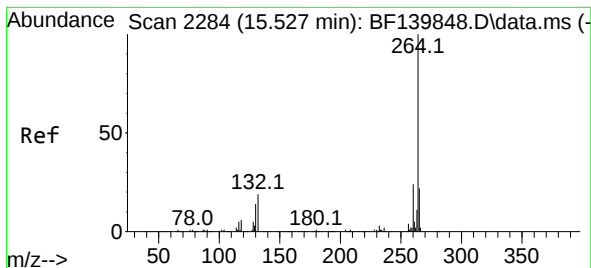
Ion Ratio Lower Upper

228 100

226 32.0 24.1 36.1

229 22.9 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF139969.D

Acq: 23 Oct 2024 17:30

Instrument :

BNA_F

ClientSampleId :

280517

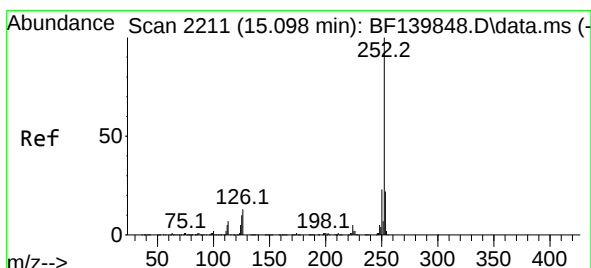
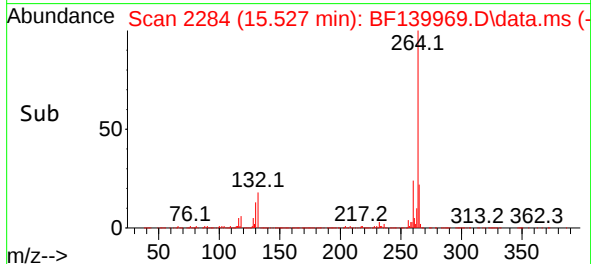
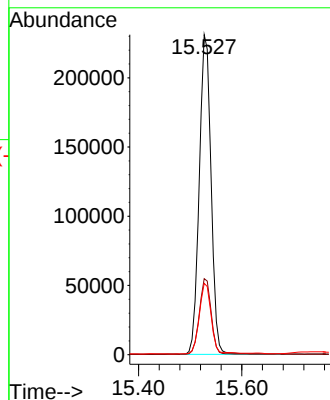
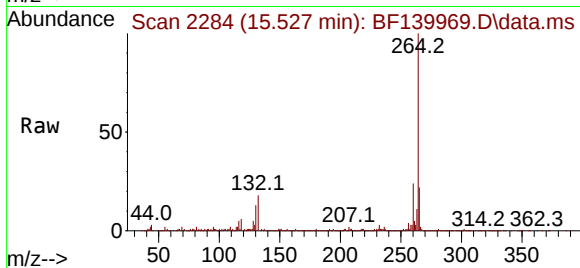
Tgt Ion:264 Resp: 365815

Ion Ratio Lower Upper

264 100

260 23.8 19.4 29.2

265 22.3 17.4 26.0



#88

Benzo(b)fluoranthene

Concen: 3.667 ng

RT: 15.092 min Scan# 2210

Delta R.T. -0.006 min

Lab File: BF139969.D

Acq: 23 Oct 2024 17:30

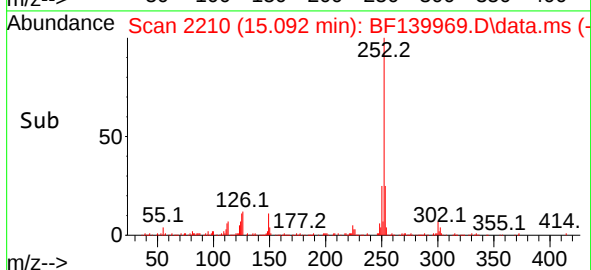
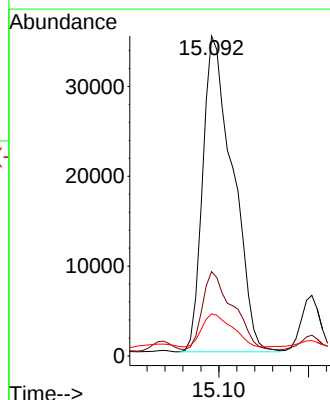
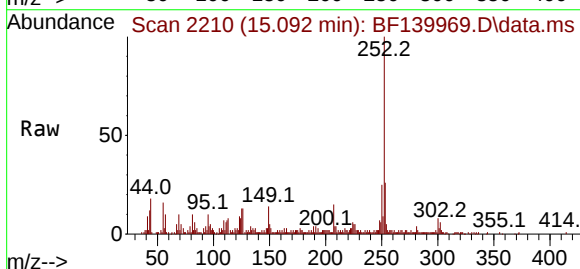
Tgt Ion:252 Resp: 81704

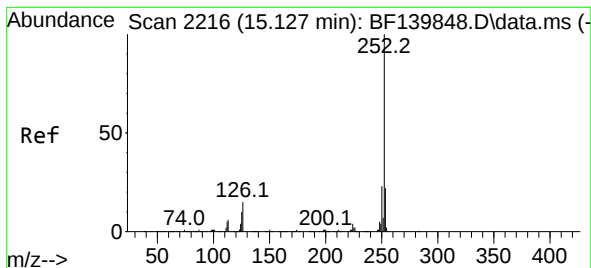
Ion Ratio Lower Upper

252 100

253 26.4 17.6 26.4

125 13.1 7.9 11.9#





#89

Benzo(k)fluoranthene

Concen: 4.251 ng

RT: 15.092 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF139969.D

Acq: 23 Oct 2024 17:30

Instrument :

BNA_F

ClientSampleId :

280517

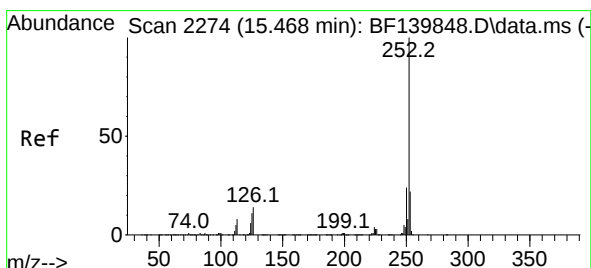
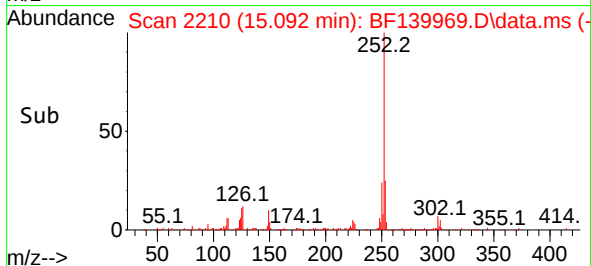
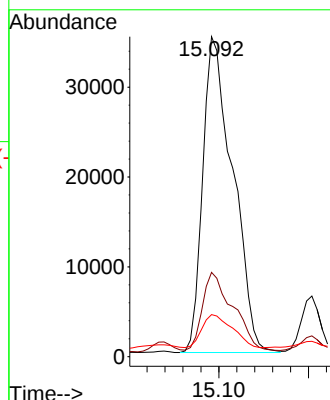
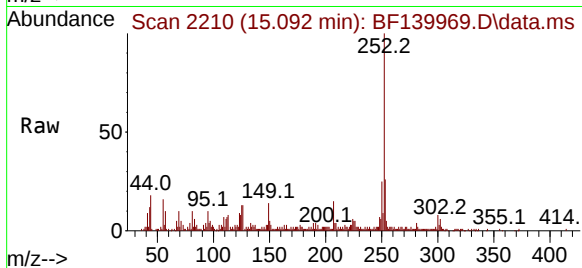
Tgt Ion:252 Resp: 81704

Ion Ratio Lower Upper

252 100

253 26.4 17.6 26.4

125 13.1 7.9 11.9#



#90

Benzo(a)pyrene

Concen: 2.212 ng

RT: 15.462 min Scan# 2273

Delta R.T. -0.006 min

Lab File: BF139969.D

Acq: 23 Oct 2024 17:30

Tgt Ion:252 Resp: 40555

Ion Ratio Lower Upper

252 100

253 23.3 17.3 25.9

125 12.9 8.7 13.1

