

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030525\
 Data File : BF141851.D
 Acq On : 05 Mar 2025 18:50
 Operator : RC/JU
 Sample : Q1489-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Quant Time: Mar 06 00:13:50 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:48:16 2025
 Response via : Initial Calibration

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

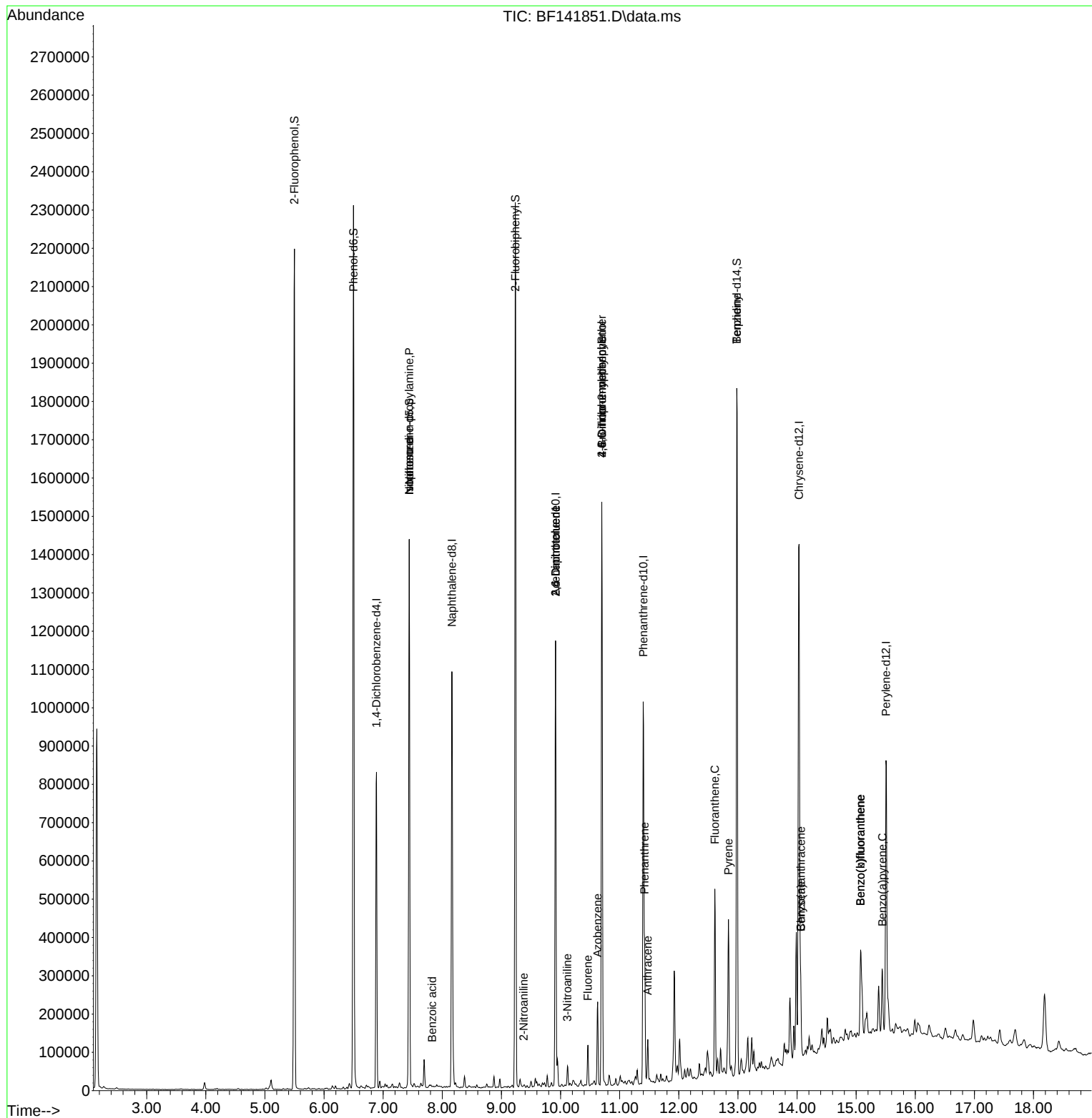
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	175268	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	655626	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	327697	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	499267	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	419266	20.000	ng	-0.02
86) Perylene-d12	15.504	264	414578	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	828611	75.500	ng	0.00
7) Phenol-d6	6.498	99	1053896	73.777	ng	-0.01
23) Nitrobenzene-d5	7.440	82	611752	59.643	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	234249	76.142	ng	-0.02
45) 2-Fluorobiphenyl	9.234	172	1001528	49.006	ng	-0.01
79) Terphenyl-d14	12.980	244	876465	33.822	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	84862	9.037	ng	# 79
25) Isophorone	7.440	82	607556	27.572	ng	# 66
32) Benzoic acid	7.828	122	199	7.715	ng	88
48) 2-Nitroaniline	9.375	65	281	4.390	ng	# 6
51) 2,6-Dinitrotoluene	9.916	165	44149	12.725	ng	# 21
53) 3-Nitroaniline	10.116	138	502	3.072	ng	# 1
57) 2,4-Dinitrotoluene	9.916	165	44150	11.503	ng	# 20
58) Fluorene	10.463	166	41254	2.032	ng	97
63) Azobenzene	10.628	77	50531	2.181	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.698	198	585	8.333	ng	# 1
67) 4-Bromophenyl-phenylether	10.698	248	16562	2.840	ng	# 1
71) Phenanthrene	11.422	178	186082	6.968	ng	97
72) Anthracene	11.475	178	63128	2.359	ng	99
75) Fluoranthene	12.610	202	267274	9.767	ng	97
77) Benzidine	12.980	184	12123	2.297	ng	# 90
78) Pyrene	12.839	202	225497	6.211	ng	99
81) Benzo(a)anthracene	14.063	228	106945	3.862	ng	96
83) Chrysene	14.063	228	106945	4.189	ng	98
88) Benzo(b)fluoranthene	15.074	252	197882	7.007	ng	98
89) Benzo(k)fluoranthene	15.074	252	197882	8.244	ng	98
90) Benzo(a)pyrene	15.445	252	104622	4.619	ng	99

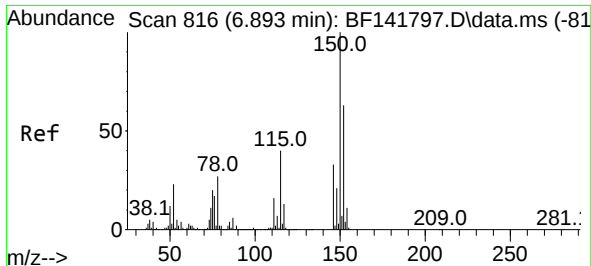
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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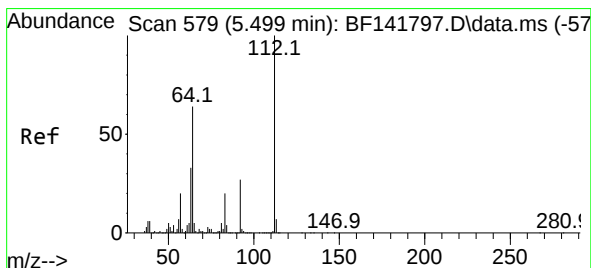
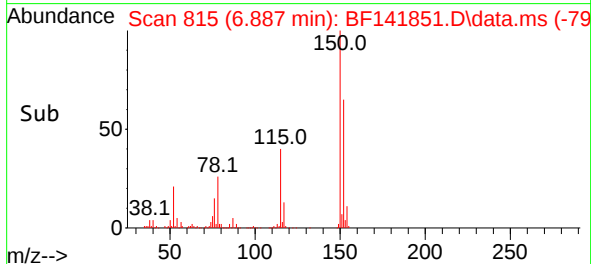
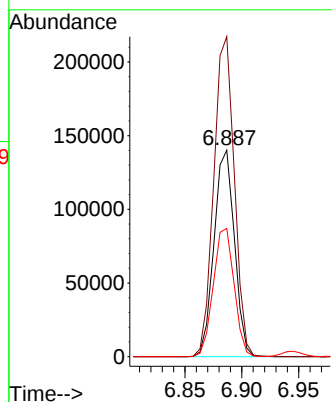
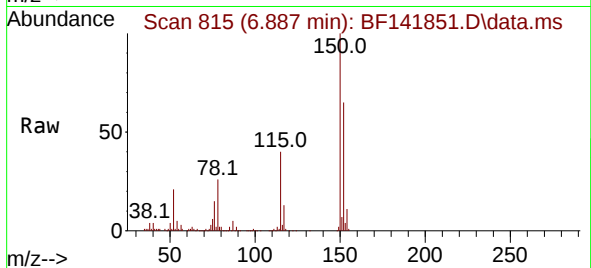




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.887 min Scan# 816
 Delta R.T. -0.006 min
 Lab File: BF141851.D
 Acq: 05 Mar 2025 18:50

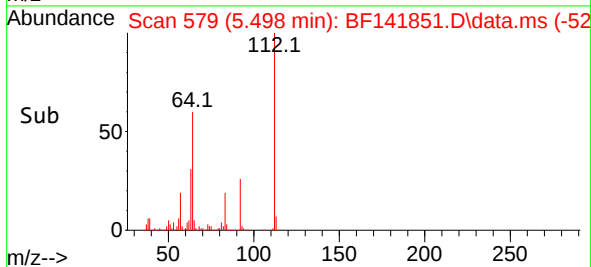
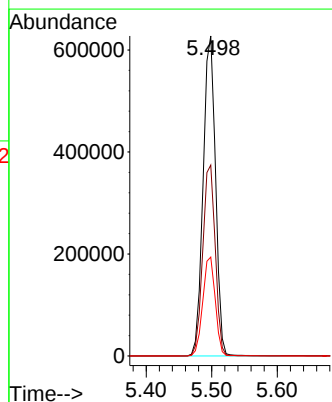
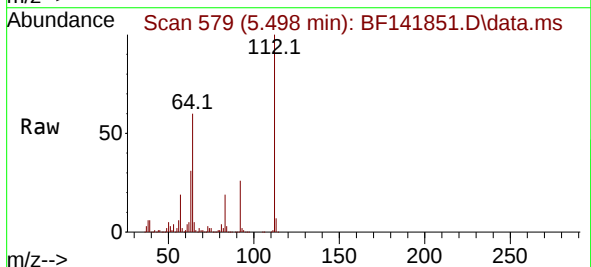
Instrument :
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 TP-1

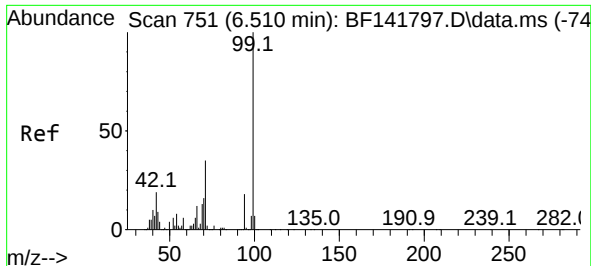
Tgt Ion:152 Resp: 175268
 Ion Ratio Lower Upper
 152 100
 150 154.9 127.5 191.3
 115 62.1 51.4 77.2



#5
 2-Fluorophenol
 Concen: 75.500 ng
 RT: 5.498 min Scan# 579
 Delta R.T. -0.000 min
 Lab File: BF141851.D
 Acq: 05 Mar 2025 18:50

Tgt Ion:112 Resp: 828611
 Ion Ratio Lower Upper
 112 100
 64 59.7 51.3 76.9
 63 30.9 26.2 39.4



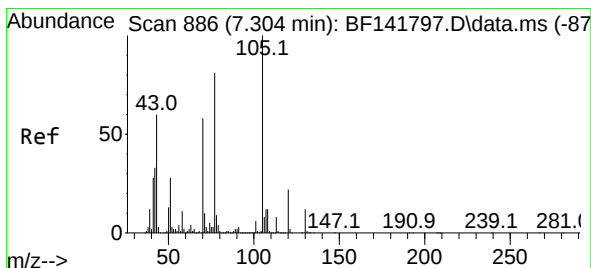
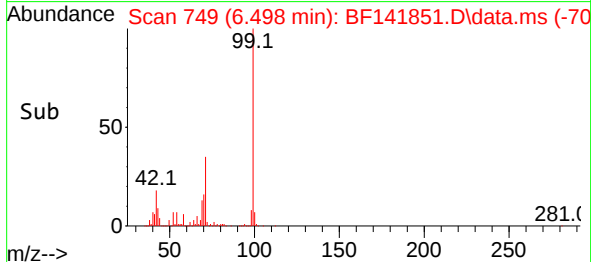
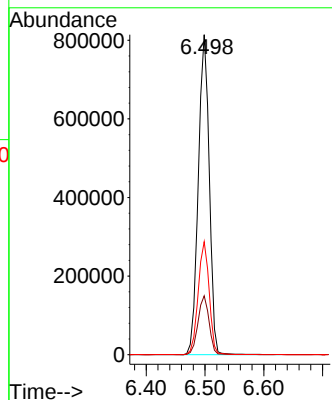
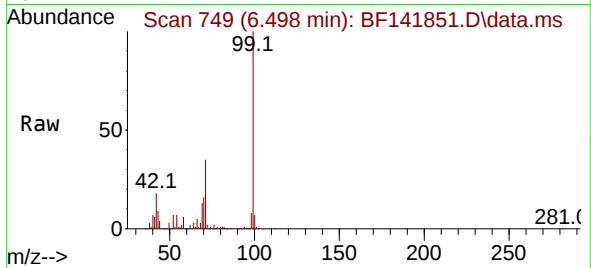


#7
Phenol-d6
Concen: 73.777 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF141851.D
Acq: 05 Mar 2025 18:50

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion: 99 Resp: 1053896

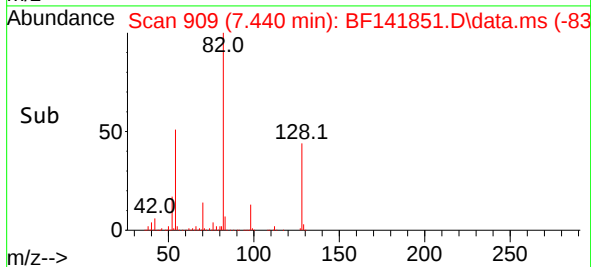
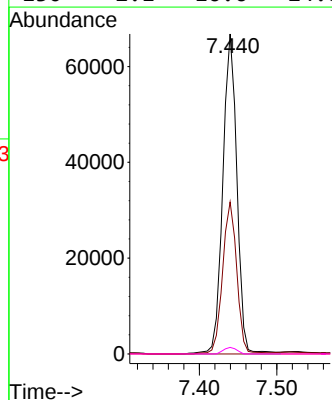
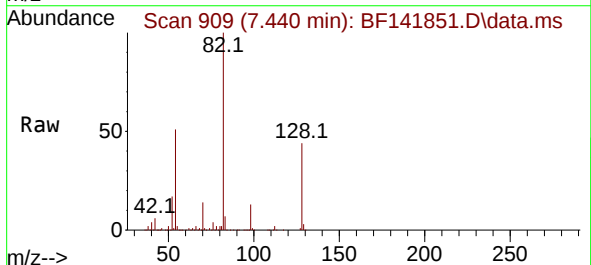
Ion	Ratio	Lower	Upper
99	100		
42	18.4	15.2	22.8
71	35.3	28.2	42.2

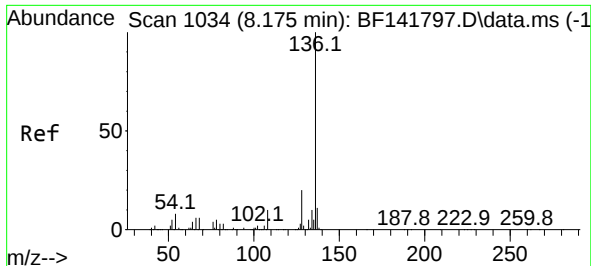


#19
n-Nitroso-di-n-propylamine
Concen: 9.037 ng
RT: 7.440 min Scan# 909
Delta R.T. 0.135 min
Lab File: BF141851.D
Acq: 05 Mar 2025 18:50

Tgt Ion: 70 Resp: 84862

Ion	Ratio	Lower	Upper
70	100		
42	47.5	45.4	68.0
101	0.0	7.8	11.8#
130	2.1	16.6	24.8#

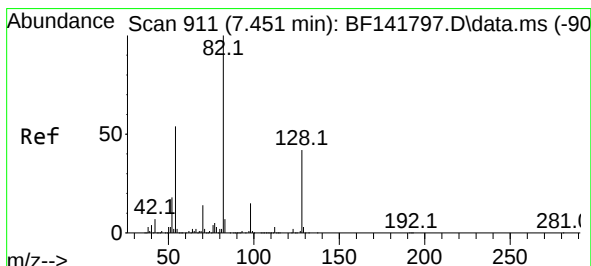
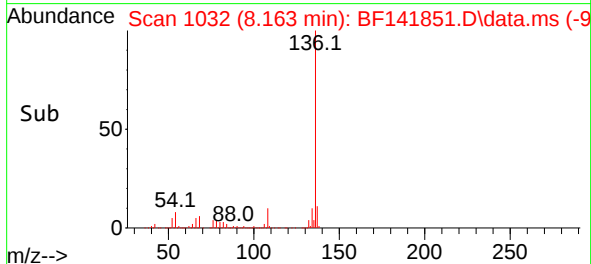
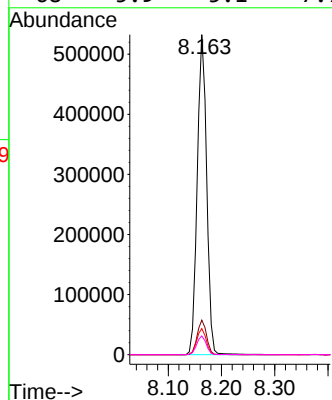
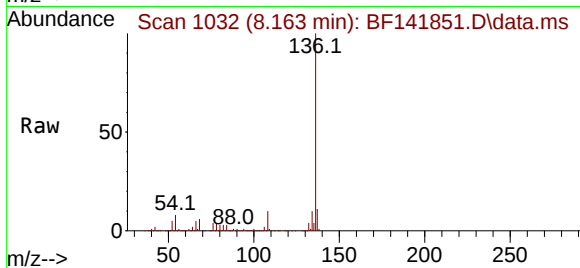




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141851.D
Acq: 05 Mar 2025 18:50

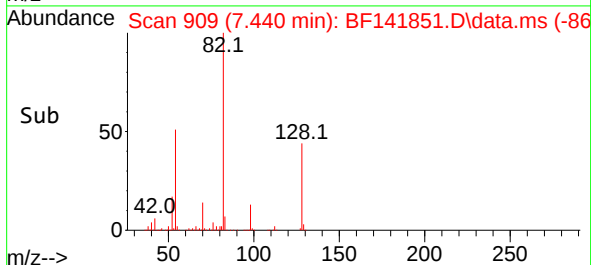
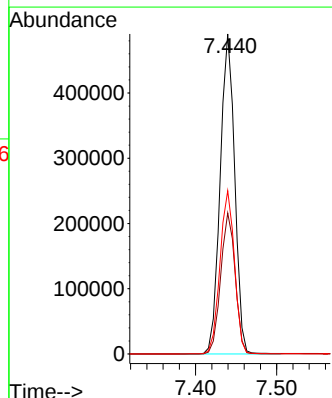
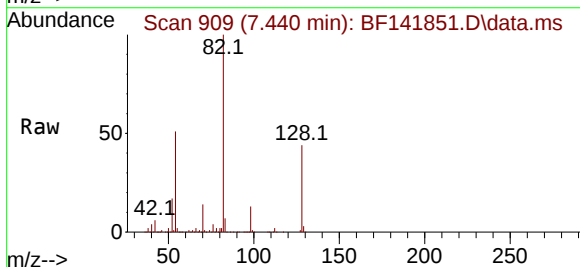
Instrument :
BNA_F
ClientSampleId :
TP-1

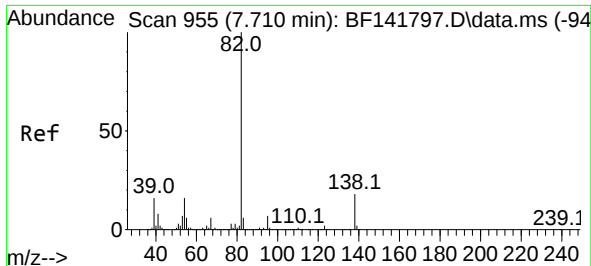
Tgt Ion:	136	Resp:	655626
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	8.2	6.9	10.3
68	5.9	5.1	7.7



#23
Nitrobenzene-d5
Concen: 59.643 ng
RT: 7.440 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF141851.D
Acq: 05 Mar 2025 18:50

Tgt Ion:	82	Resp:	611752
Ion	Ratio	Lower	Upper
82	100		
128	44.1	33.5	50.3
54	51.0	42.7	64.1

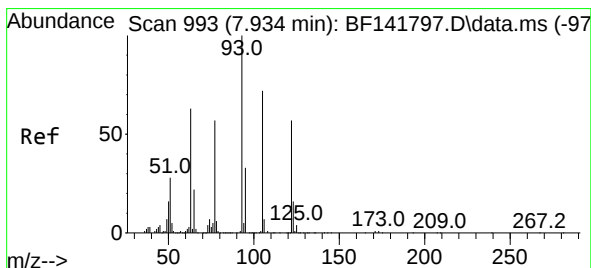
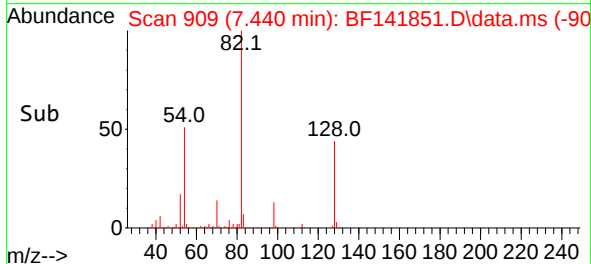
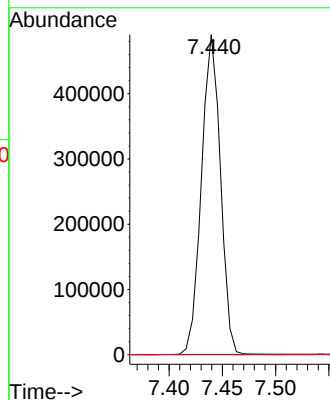
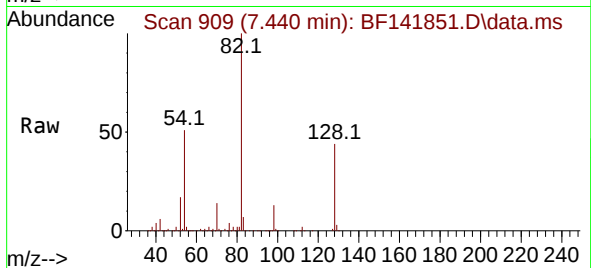




#25
Isophorone
Concen: 27.572 ng
RT: 7.440 min Scan# 909
Delta R.T. -0.271 min
Lab File: BF141851.D
Acq: 05 Mar 2025 18:50

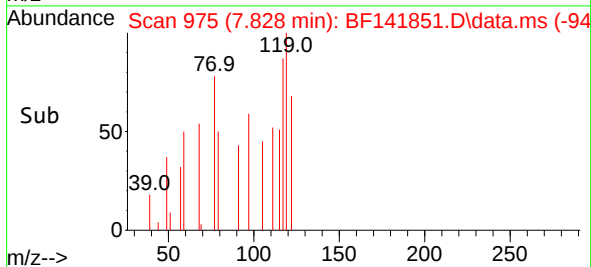
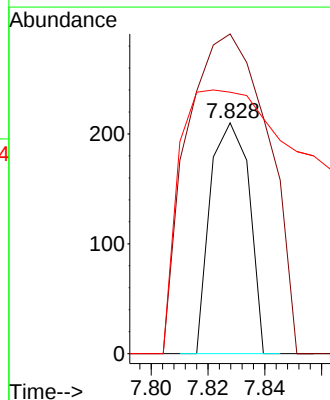
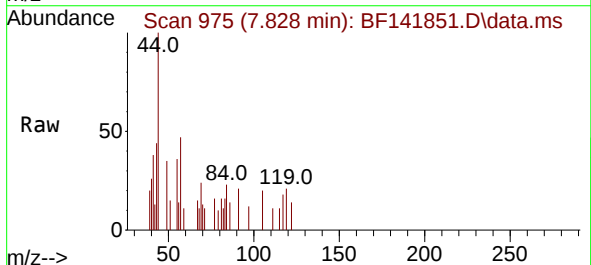
Instrument :
BNA_F
ClientSampleId :
TP-1

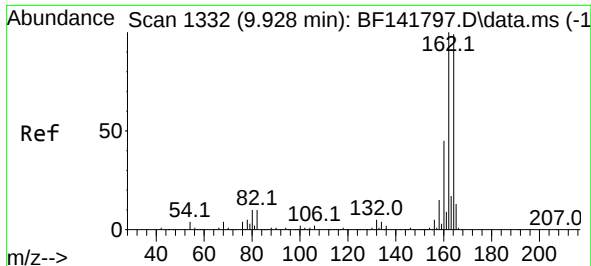
Tgt Ion: 82 Resp: 607556
Ion Ratio Lower Upper
82 100
95 0.1 5.8 8.8#
138 0.0 14.0 21.0#



#32
Benzoic acid
Concen: 7.715 ng
RT: 7.828 min Scan# 975
Delta R.T. -0.106 min
Lab File: BF141851.D
Acq: 05 Mar 2025 18:50

Tgt Ion:122 Resp: 199
Ion Ratio Lower Upper
122 100
105 138.6 105.8 145.8
77 113.3 79.9 119.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141851.D

Acq: 05 Mar 2025 18:50

Instrument :

BNA_F

ClientSampleId :

TP-1

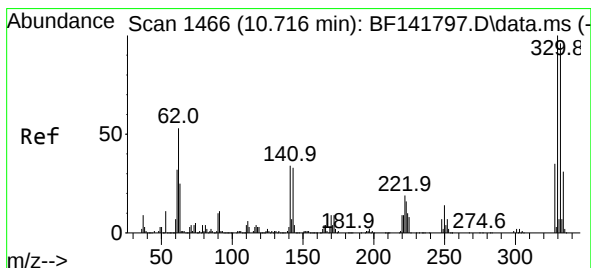
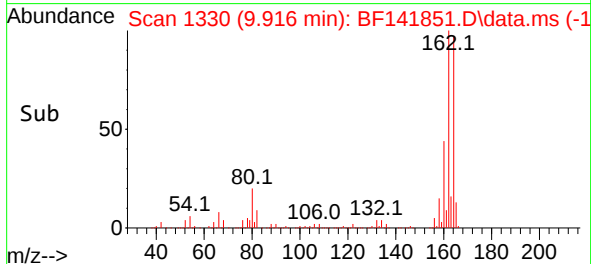
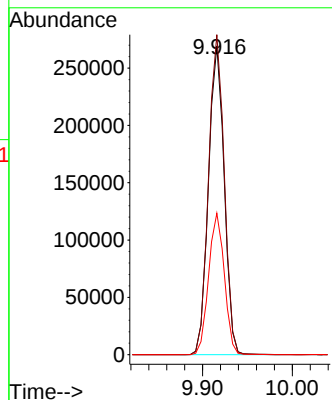
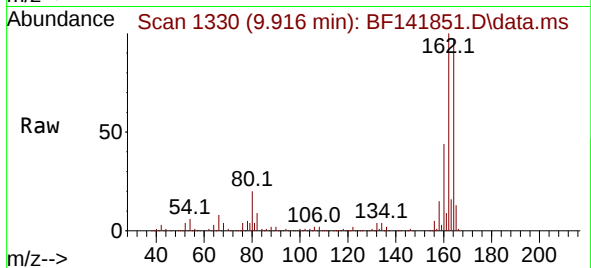
Tgt Ion:164 Resp: 327697

Ion Ratio Lower Upper

164 100

162 103.6 80.6 120.8

160 45.8 36.3 54.5



#42

2,4,6-Tribromophenol

Concen: 76.142 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.018 min

Lab File: BF141851.D

Acq: 05 Mar 2025 18:50

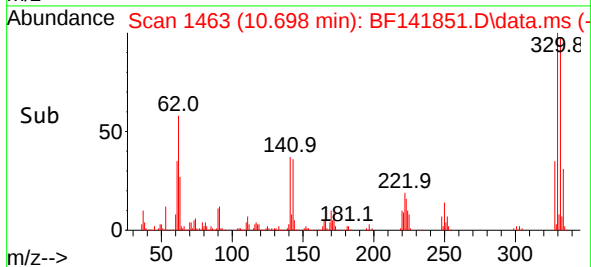
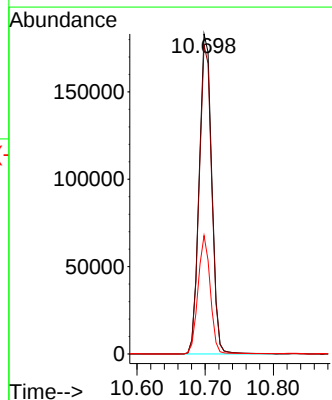
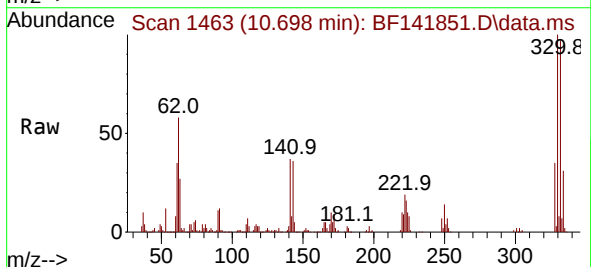
Tgt Ion:330 Resp: 234249

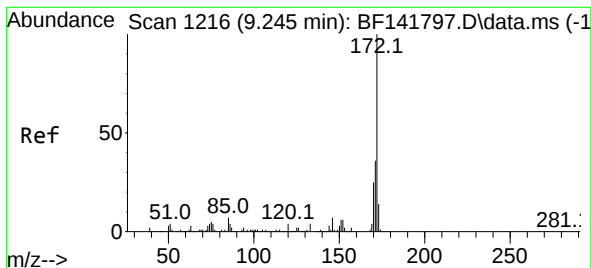
Ion Ratio Lower Upper

330 100

332 96.3 76.6 115.0

141 36.0 29.0 43.4





#45

2-Fluorobiphenyl

Concen: 49.006 ng

RT: 9.234 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141851.D

Acq: 05 Mar 2025 18:50

Instrument :

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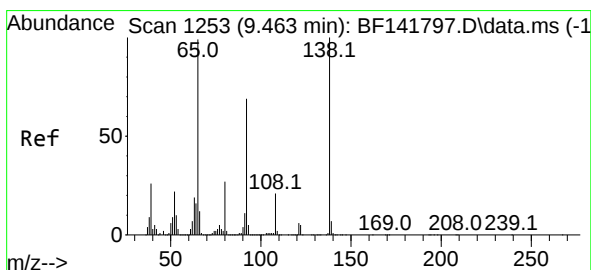
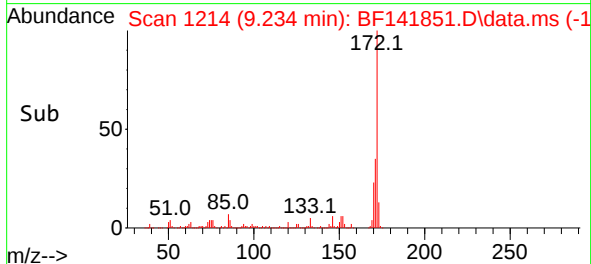
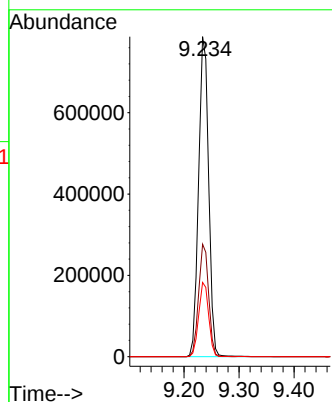
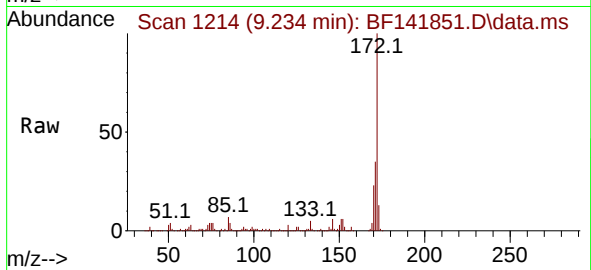
Tgt Ion:172 Resp: 1001528

Ion Ratio Lower Upper

172 100

171 35.2 29.2 43.8

170 23.2 19.7 29.5



#48

2-Nitroaniline

Concen: 4.390 ng

RT: 9.375 min Scan# 1238

Delta R.T. -0.088 min

Lab File: BF141851.D

Acq: 05 Mar 2025 18:50

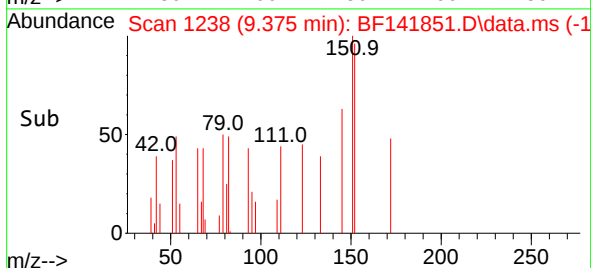
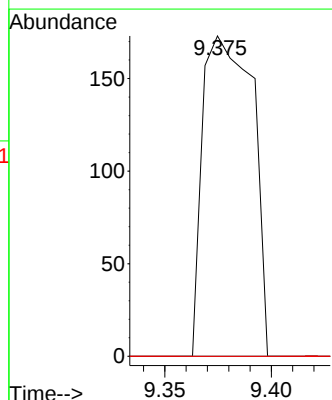
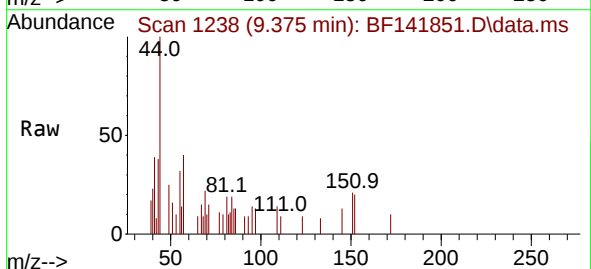
Tgt Ion: 65 Resp: 281

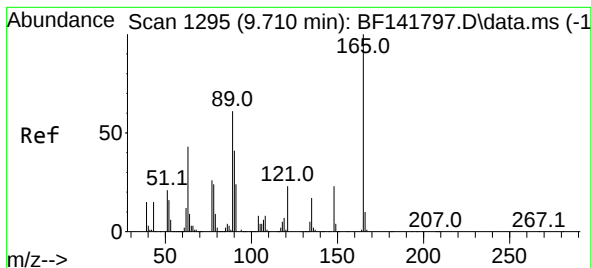
Ion Ratio Lower Upper

65 100

92 0.0 55.7 83.5#

138 0.0 80.6 121.0#





#51

2,6-Dinitrotoluene

Concen: 12.725 ng

RT: 9.916 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF141851.D

Acq: 05 Mar 2025 18:50

Instrument :

BNA_F

ClientSampleId :

TP-1

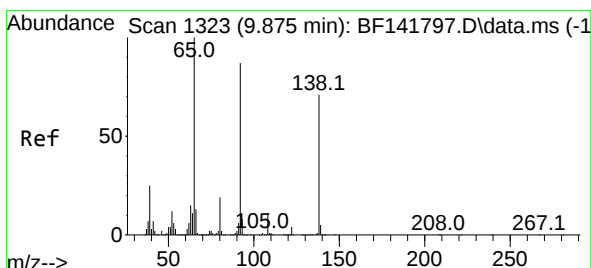
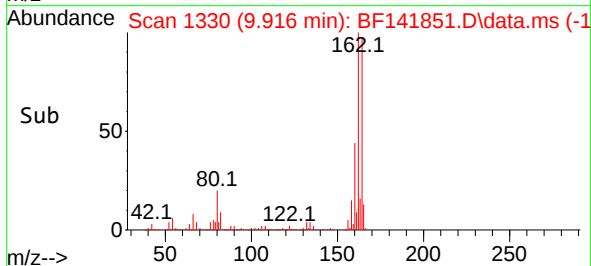
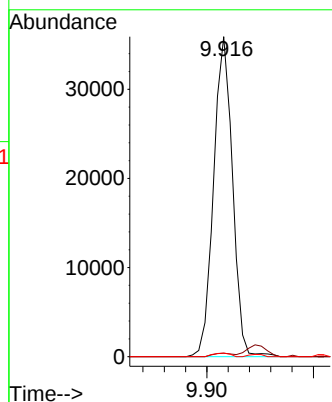
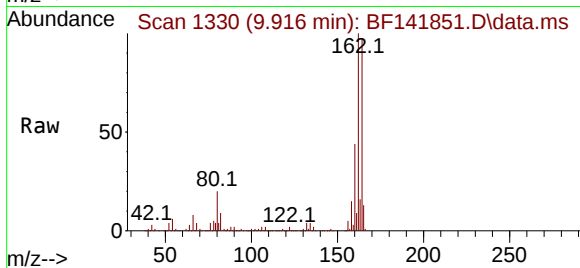
Tgt Ion:165 Resp: 44149

Ion Ratio Lower Upper

165 100

63 1.1 49.5 74.3#

89 1.1 49.0 73.4#



#53

3-Nitroaniline

Concen: 3.072 ng

RT: 10.116 min Scan# 1364

Delta R.T. 0.241 min

Lab File: BF141851.D

Acq: 05 Mar 2025 18:50

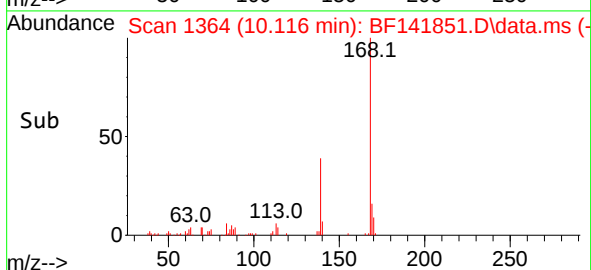
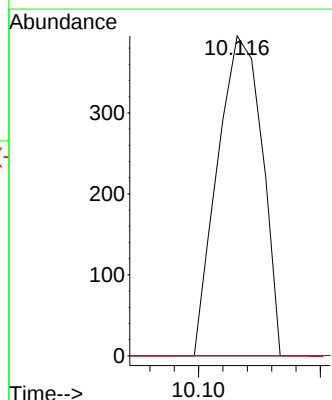
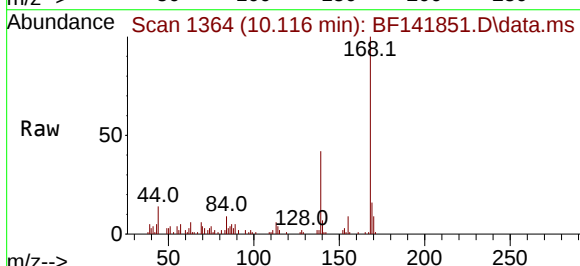
Tgt Ion:138 Resp: 502

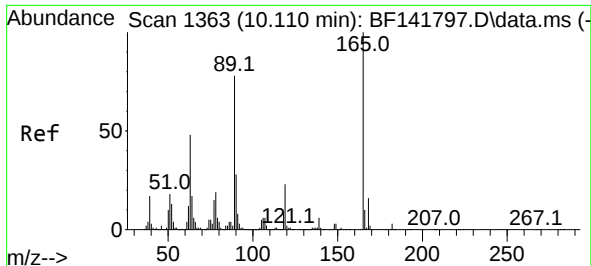
Ion Ratio Lower Upper

138 100

108 0.0 12.7 19.1#

92 0.0 97.9 146.9#

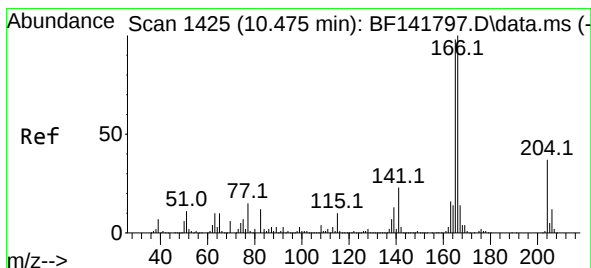
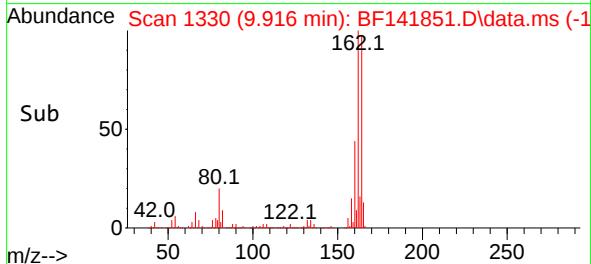
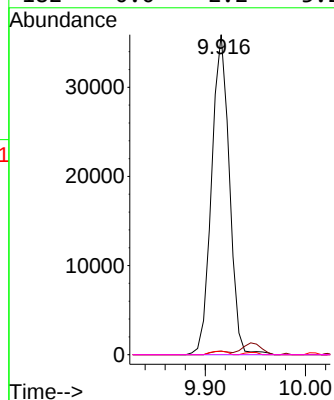
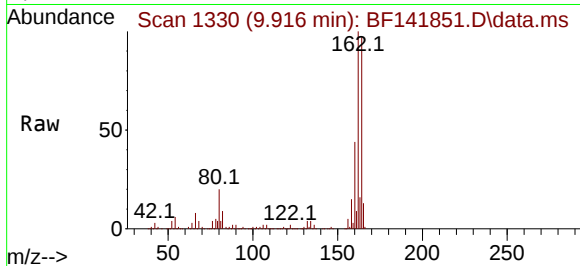




#57
2,4-Dinitrotoluene
Concen: 11.503 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF141851.D
Acq: 05 Mar 2025 18:50

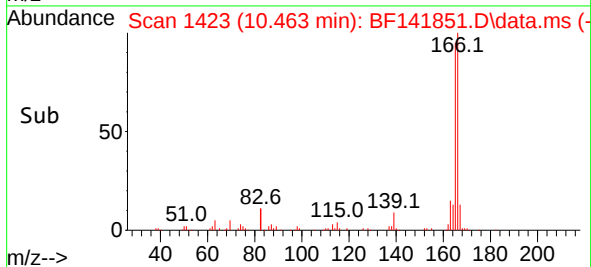
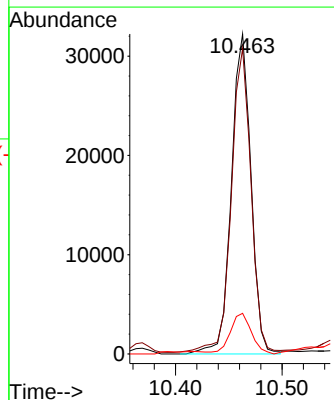
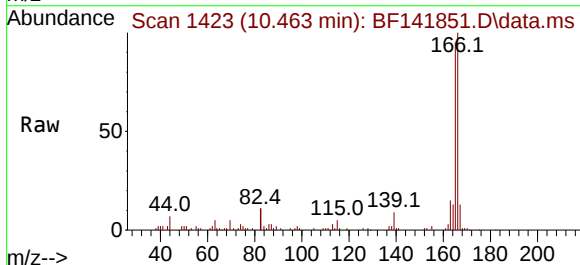
Instrument :
BNA_F
ClientSampleId :
TP-1

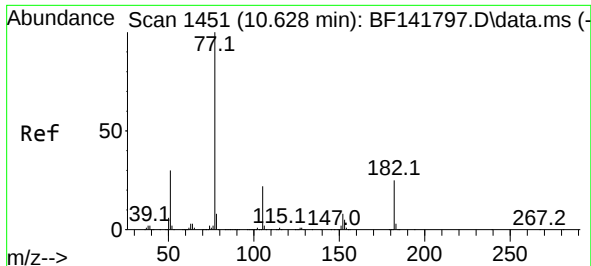
Tgt Ion:165	Resp:	44150
Ion Ratio	Lower	Upper
165	100	
63	1.1	38.8 58.2#
89	1.1	62.6 94.0#
182	0.0	2.2 3.2#



#58
Fluorene
Concen: 2.032 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.012 min
Lab File: BF141851.D
Acq: 05 Mar 2025 18:50

Tgt Ion:166	Resp:	41254
Ion Ratio	Lower	Upper
166	100	
165	95.5	78.6 117.8
167	12.7	11.0 16.4

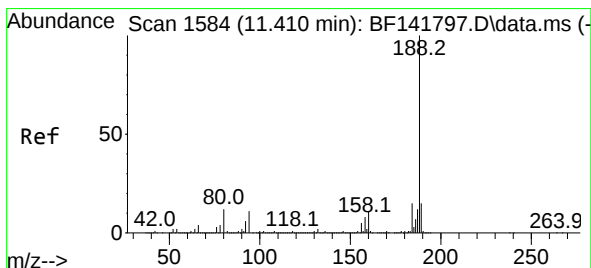
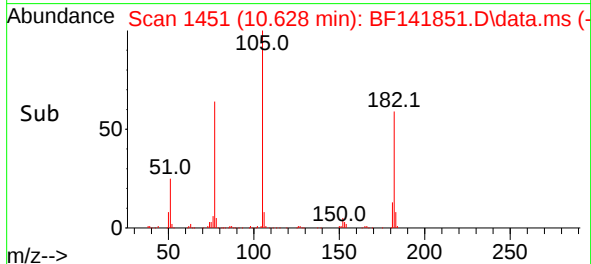
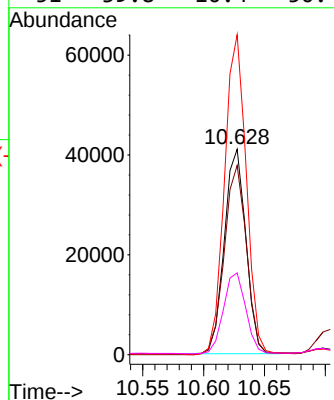
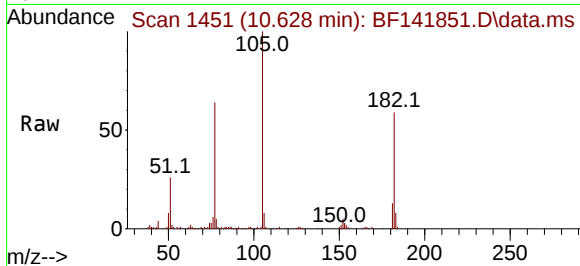




#63
 Azobenzene
 Concen: 2.181 ng
 RT: 10.628 min Scan# 1451
 Delta R.T. -0.000 min
 Lab File: BF141851.D
 Acq: 05 Mar 2025 18:50

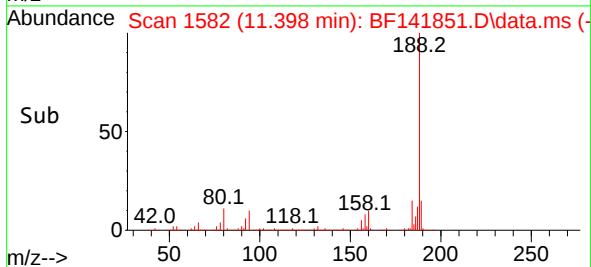
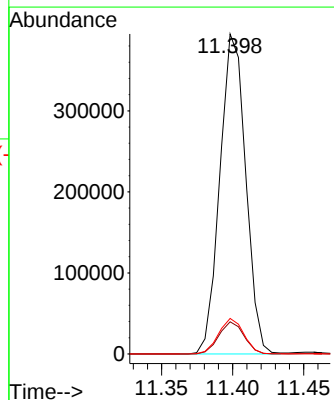
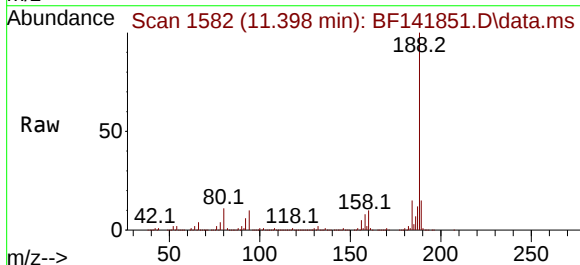
Instrument :
 BNA_F
 ClientSampleId :
 TP-1

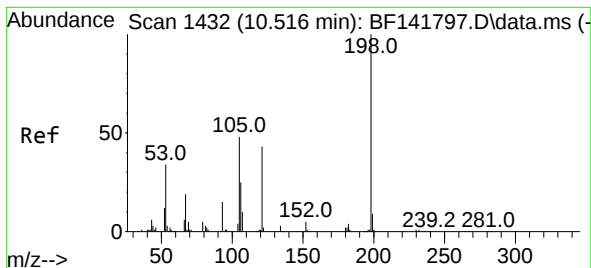
Tgt Ion: 77	Resp: 50531
Ion Ratio	Lower Upper
77 100	
182 92.1	4.2 44.2#
105 155.8	1.5 41.5#
51 39.8	10.4 50.4



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.398 min Scan# 1582
 Delta R.T. -0.012 min
 Lab File: BF141851.D
 Acq: 05 Mar 2025 18:50

Tgt Ion: 188	Resp: 499267
Ion Ratio	Lower Upper
188 100	
94 10.0	8.9 13.3
80 11.1	9.7 14.5

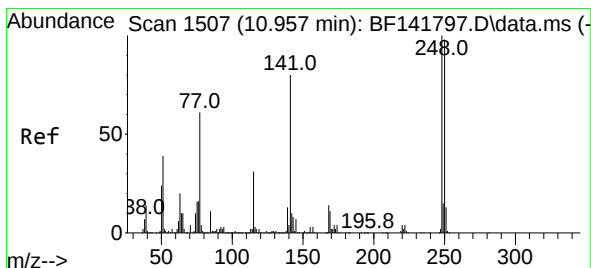
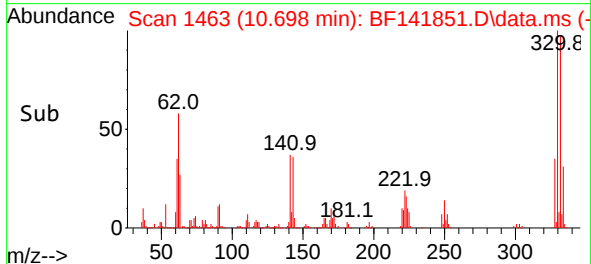
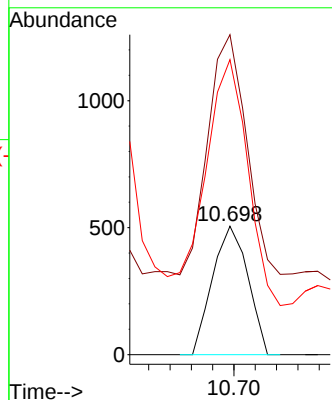
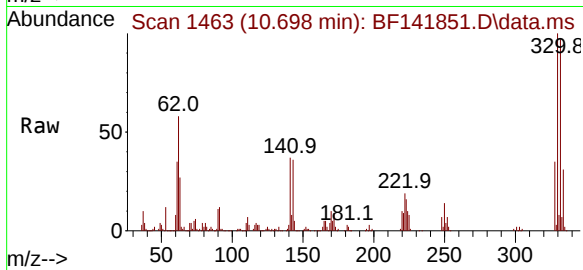




#65
4,6-Dinitro-2-methylphenol
Concen: 8.333 ng
RT: 10.698 min Scan# 1463
Delta R.T. 0.182 min
Lab File: BF141851.D
Acq: 05 Mar 2025 18:50

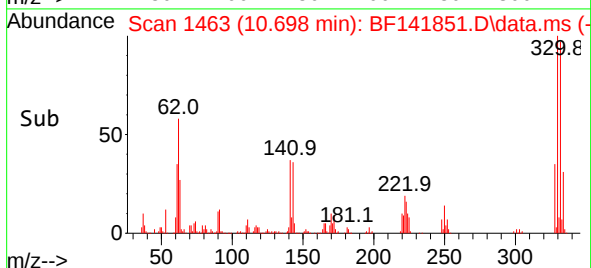
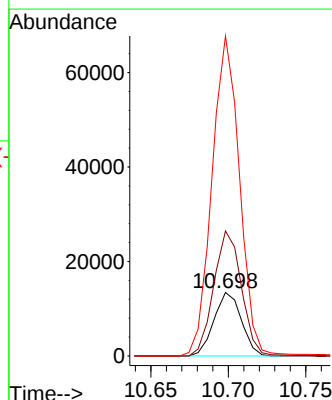
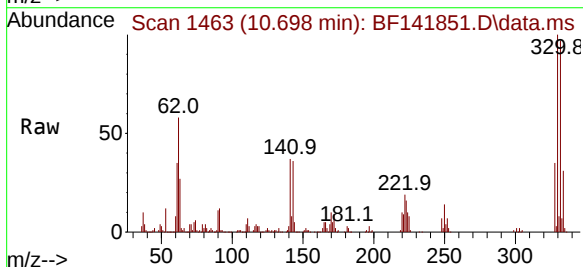
Instrument :
BNA_F
ClientSampleId :
TP-1

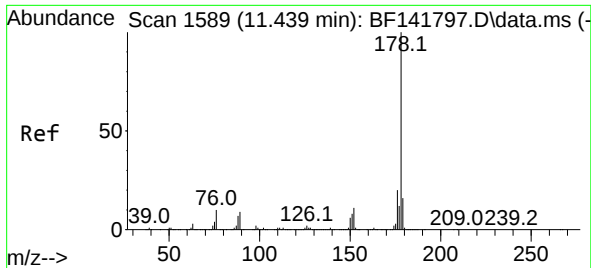
Tgt Ion:198 Resp: 585
Ion Ratio Lower Upper
198 100
51 249.0 32.1 72.1#
105 229.6 28.5 68.5#



#67
4-Bromophenyl-phenylether
Concen: 2.840 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.259 min
Lab File: BF141851.D
Acq: 05 Mar 2025 18:50

Tgt Ion:248 Resp: 16562
Ion Ratio Lower Upper
248 100
250 196.9 78.1 117.1#
141 503.9 64.3 96.5#

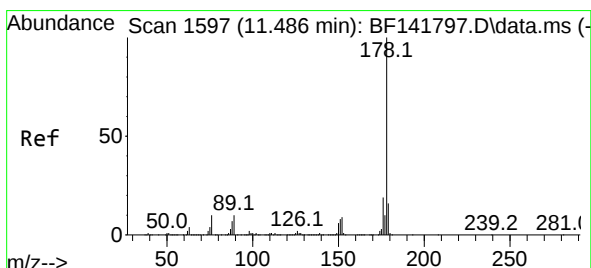
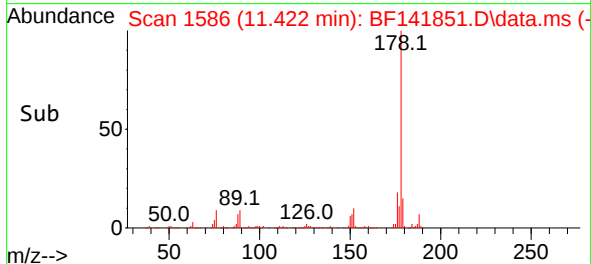
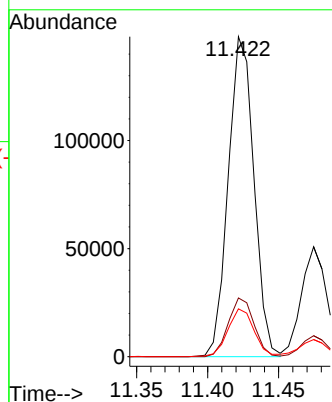
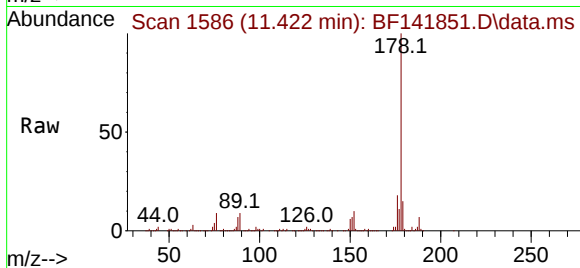




#71
Phenanthrene
Concen: 6.968 ng
RT: 11.422 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141851.D
Acq: 05 Mar 2025 18:50

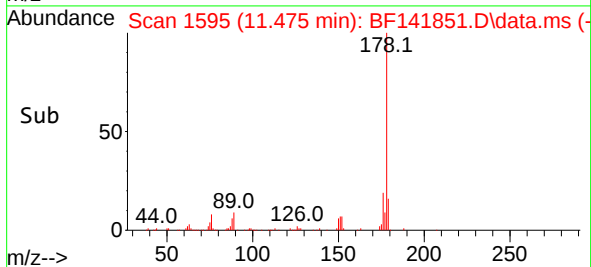
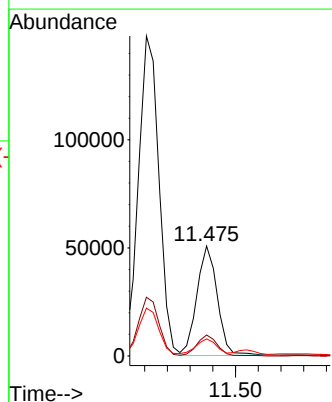
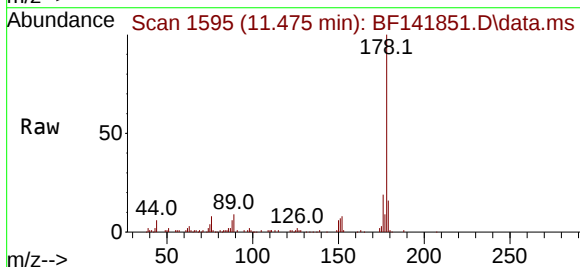
Instrument :
BNA_F
ClientSampleId :
TP-1

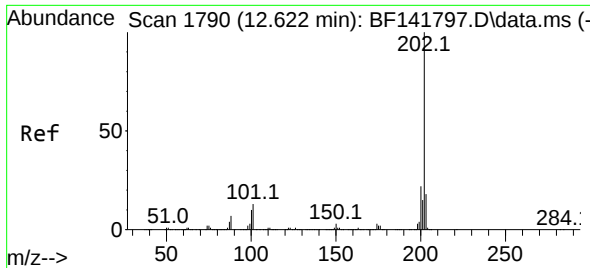
Tgt Ion:178 Resp: 186082
Ion Ratio Lower Upper
178 100
176 18.4 16.0 24.0
179 15.0 12.6 19.0



#72
Anthracene
Concen: 2.359 ng
RT: 11.475 min Scan# 1595
Delta R.T. -0.012 min
Lab File: BF141851.D
Acq: 05 Mar 2025 18:50

Tgt Ion:178 Resp: 63128
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 15.6 12.8 19.2

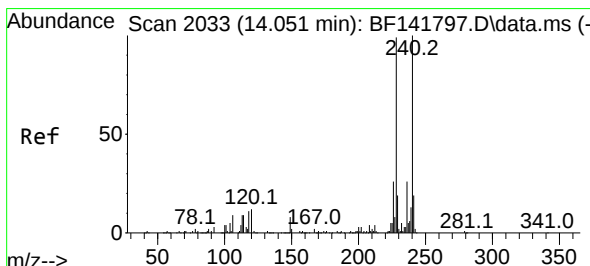
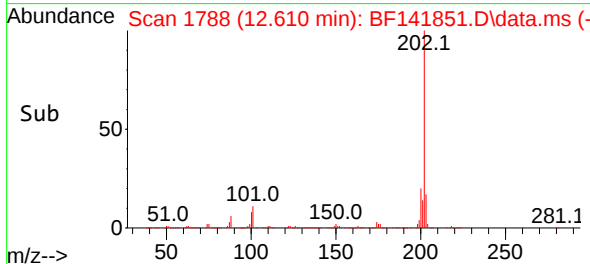
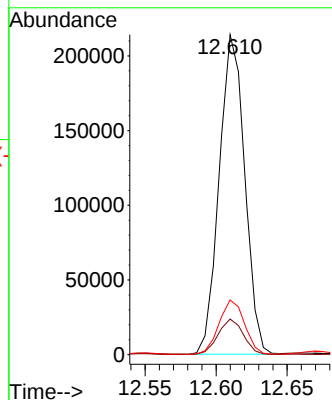
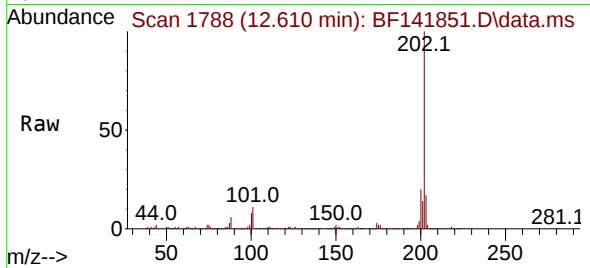




#75
Fluoranthene
Concen: 9.767 ng
RT: 12.610 min Scan# 1788
Delta R.T. -0.012 min
Lab File: BF141851.D
Acq: 05 Mar 2025 18:50

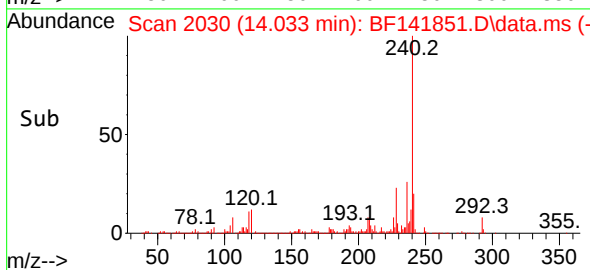
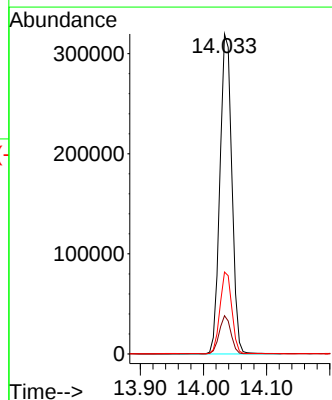
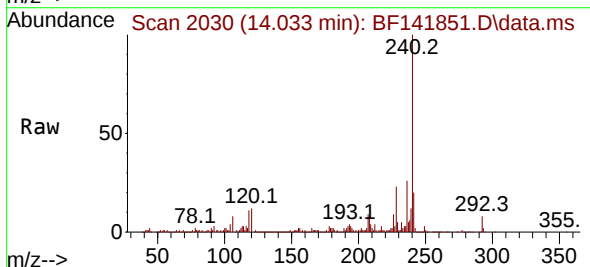
Instrument :
BNA_F
ClientSampleId :
TP-1

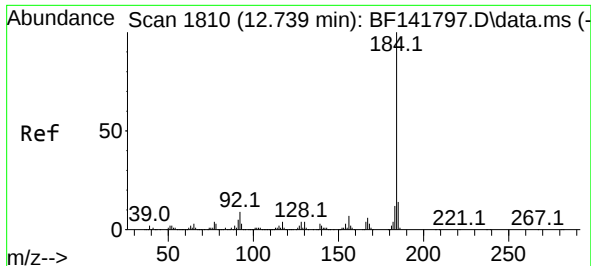
Tgt Ion:202 Resp: 267274
Ion Ratio Lower Upper
202 100
101 11.2 0.0 32.8
203 17.1 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.018 min
Lab File: BF141851.D
Acq: 05 Mar 2025 18:50

Tgt Ion:240 Resp: 419266
Ion Ratio Lower Upper
240 100
120 12.0 9.7 14.5
236 25.6 21.0 31.4

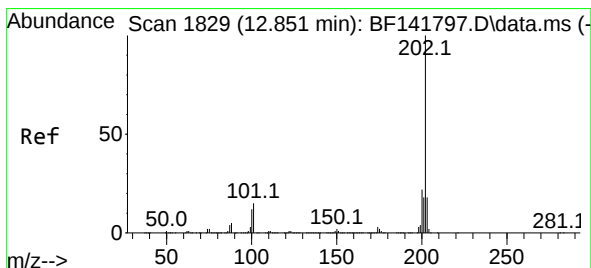
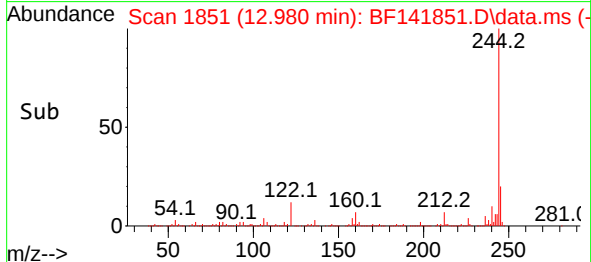
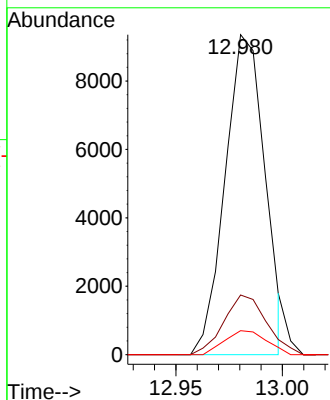
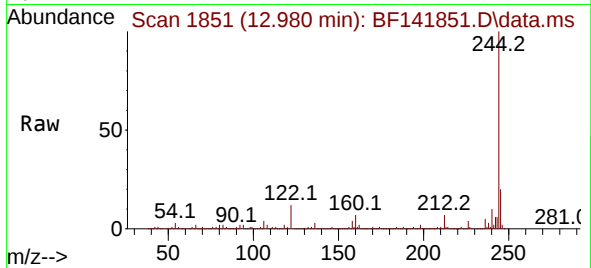




#77
Benzidine
Concen: 2.297 ng
RT: 12.980 min Scan# 1851
Delta R.T. 0.241 min
Lab File: BF141851.D
Acq: 05 Mar 2025 18:50

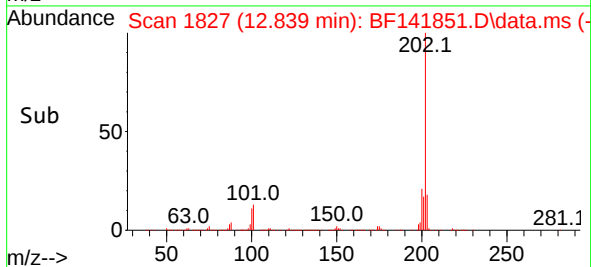
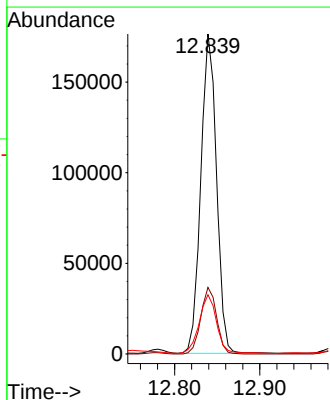
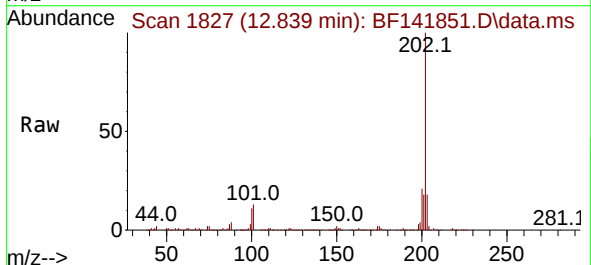
Instrument :
BNA_F
ClientSampleId :
TP-1

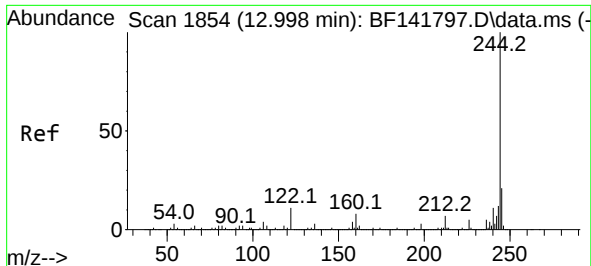
Tgt Ion:184 Resp: 12123
Ion Ratio Lower Upper
184 100
185 18.7 11.6 17.4#
183 7.5 9.4 14.0#



#78
Pyrene
Concen: 6.211 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.012 min
Lab File: BF141851.D
Acq: 05 Mar 2025 18:50

Tgt Ion:202 Resp: 225497
Ion Ratio Lower Upper
202 100
200 20.8 17.4 26.0
203 18.5 14.6 22.0

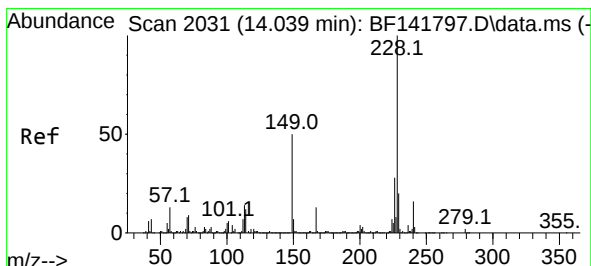
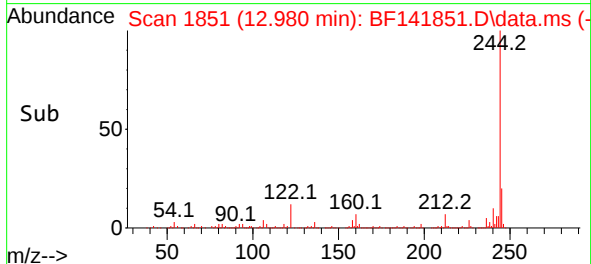
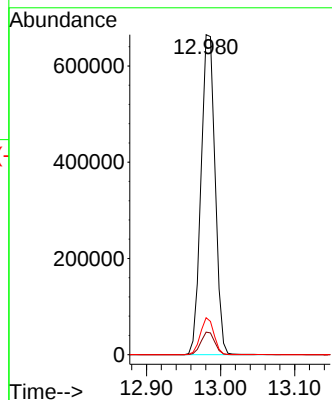
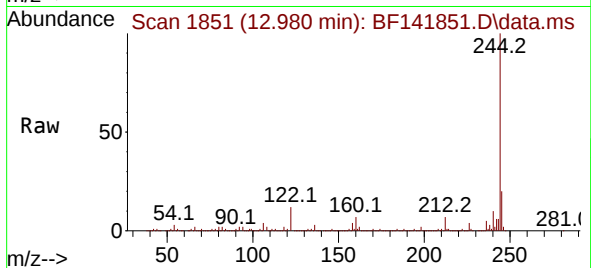




#79
 Terphenyl-d14
 Concen: 33.822 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. -0.018 min
 Lab File: BF141851.D
 Acq: 05 Mar 2025 18:50

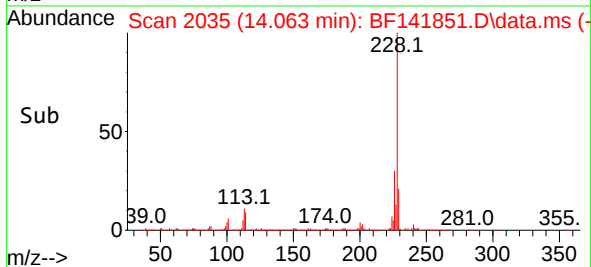
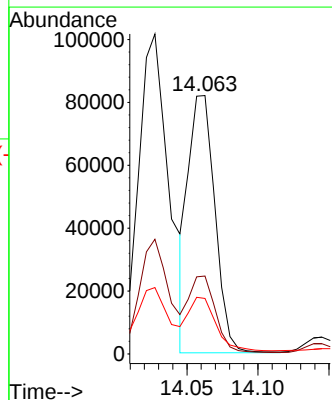
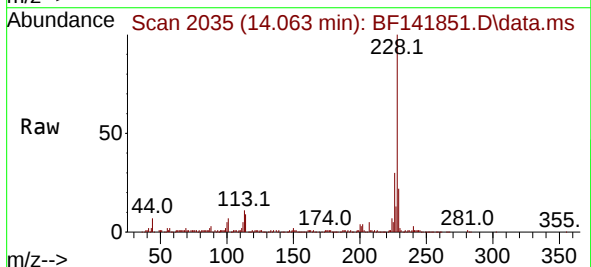
Instrument :
 BNA_F
 ClientSampleId :
 TP-1

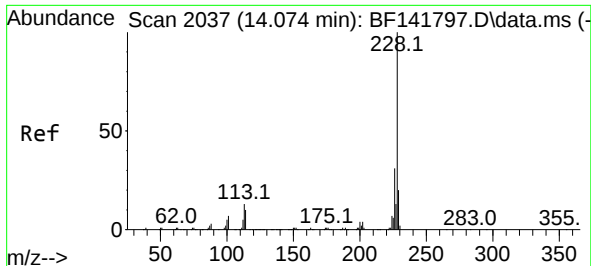
Tgt Ion:244 Resp: 876465
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 11.6 9.0 13.6



#81
 Benzo(a)anthracene
 Concen: 3.862 ng
 RT: 14.063 min Scan# 2035
 Delta R.T. 0.023 min
 Lab File: BF141851.D
 Acq: 05 Mar 2025 18:50

Tgt Ion:228 Resp: 106945
 Ion Ratio Lower Upper
 228 100
 226 30.2 22.1 33.1
 229 21.5 16.1 24.1

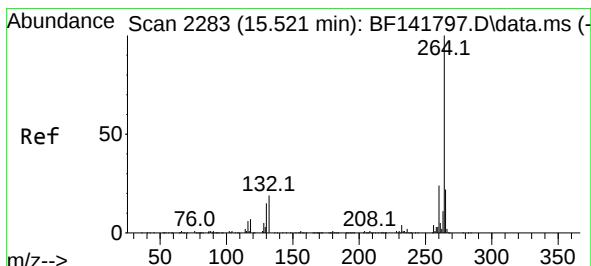
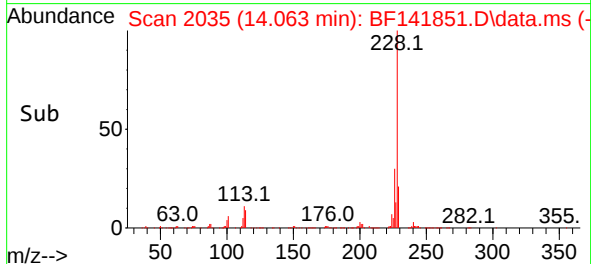
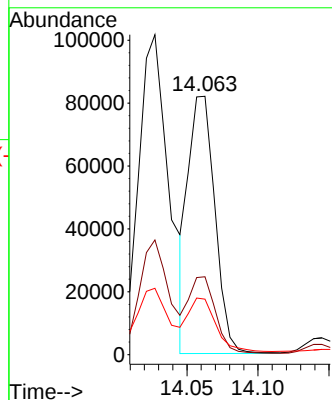
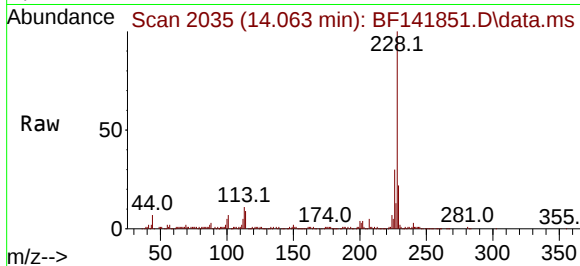




#83
Chrysene
Concen: 4.189 ng
RT: 14.063 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF141851.D
Acq: 05 Mar 2025 18:50

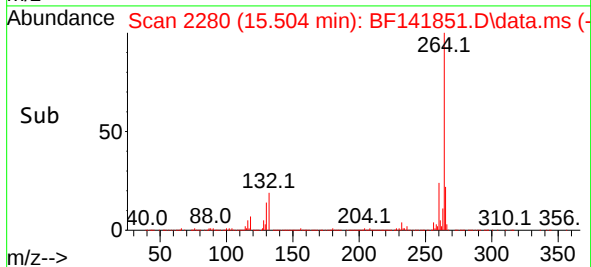
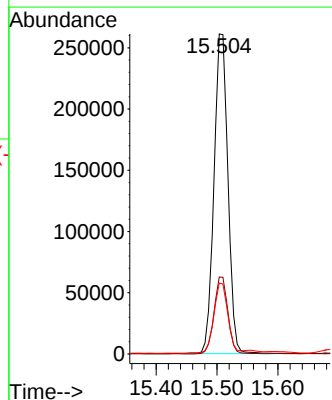
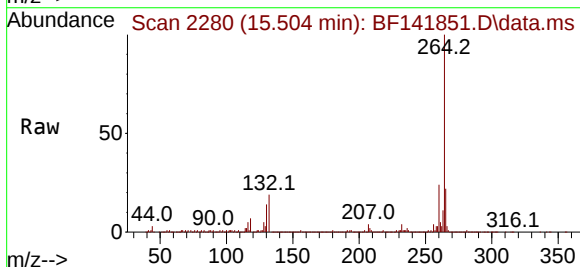
Instrument :
BNA_F
ClientSampleId :
TP-1

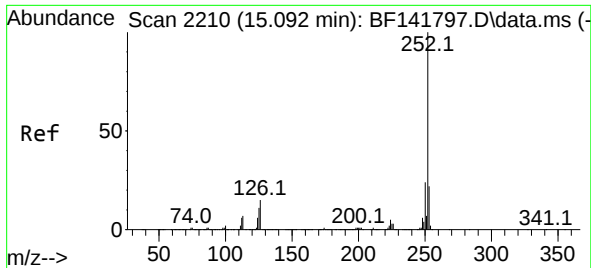
Tgt Ion:228 Resp: 106945
Ion Ratio Lower Upper
228 100
226 30.2 24.6 37.0
229 21.5 16.1 24.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2280
Delta R.T. -0.018 min
Lab File: BF141851.D
Acq: 05 Mar 2025 18:50

Tgt Ion:264 Resp: 414578
Ion Ratio Lower Upper
264 100
260 24.1 18.9 28.3
265 22.2 17.4 26.0

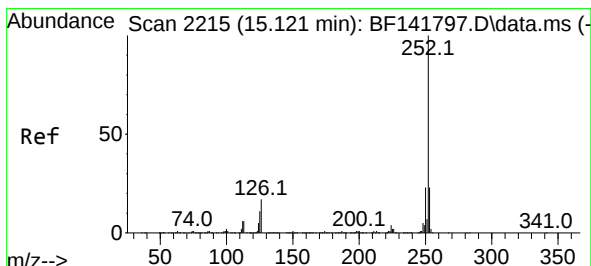
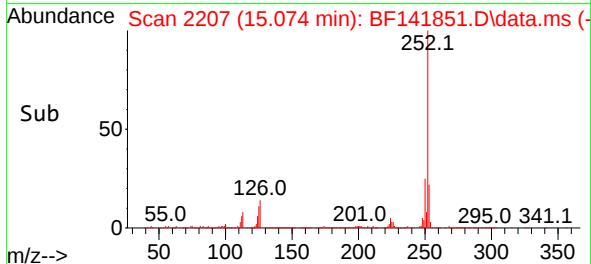
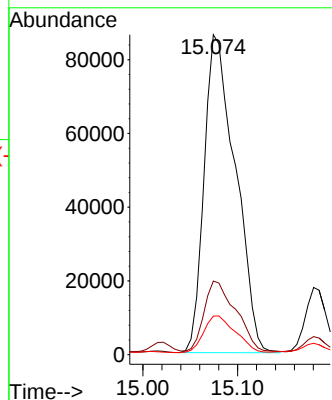
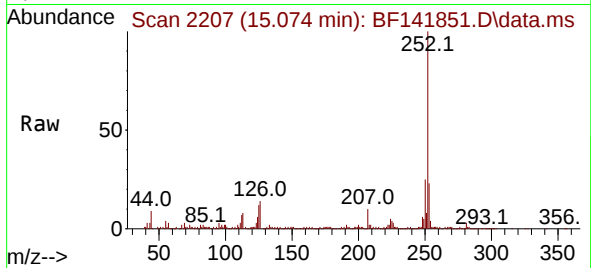




#88
Benzo(b)fluoranthene
Concen: 7.007 ng
RT: 15.074 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF141851.D
Acq: 05 Mar 2025 18:50

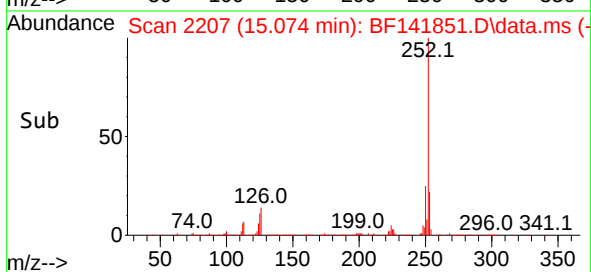
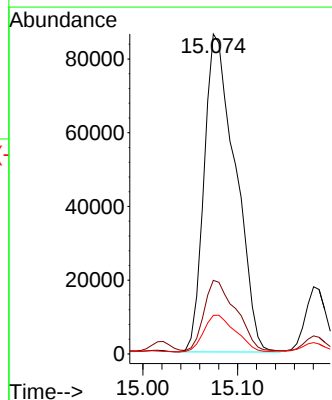
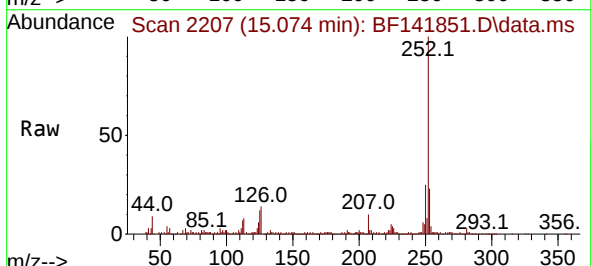
Instrument :
BNA_F
ClientSampleId :
TP-1

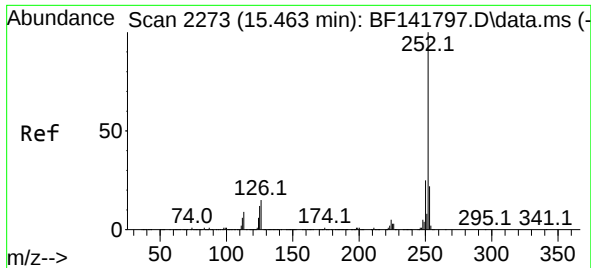
Tgt Ion:252 Resp: 197882
Ion Ratio Lower Upper
252 100
253 23.0 17.7 26.5
125 12.0 8.6 13.0



#89
Benzo(k)fluoranthene
Concen: 8.244 ng
RT: 15.074 min Scan# 2207
Delta R.T. -0.047 min
Lab File: BF141851.D
Acq: 05 Mar 2025 18:50

Tgt Ion:252 Resp: 197882
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.8
125 12.0 8.8 13.2





#90
 Benzo(a)pyrene
 Concen: 4.619 ng
 RT: 15.445 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BF141851.D
 Acq: 05 Mar 2025 18:50

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Tgt Ion:252 Resp: 104622
 Ion Ratio Lower Upper
 252 100
 253 21.9 17.5 26.3
 125 10.8 9.4 14.2

