

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031425\
 Data File : BF141966.D
 Acq On : 14 Mar 2025 15:38
 Operator : RC/JU
 Sample : Q1545-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-031125

Quant Time: Mar 14 16:09:37 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

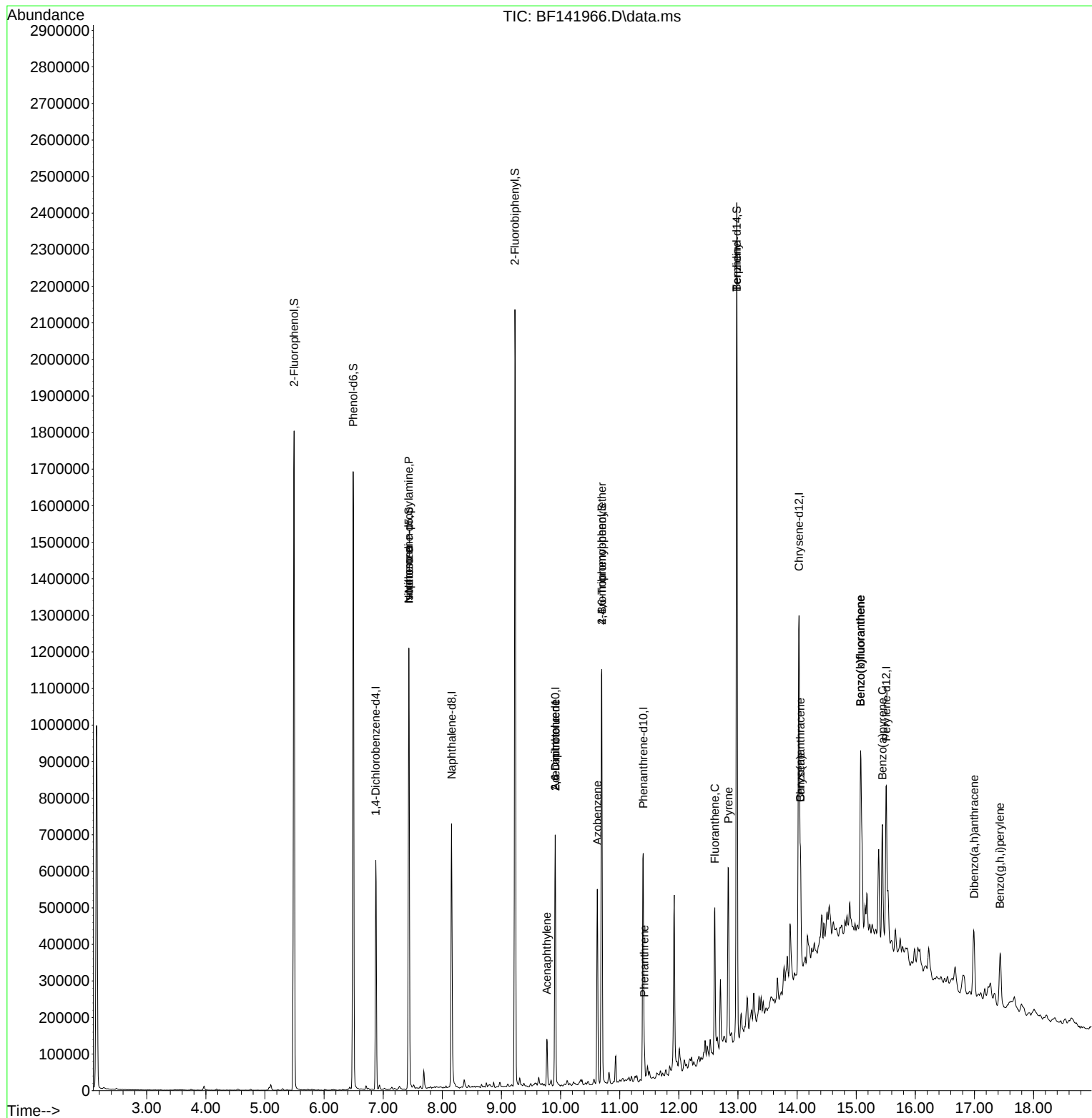
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	132082	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	451878	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	200214	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	325126	20.000	ng	0.00
76) Chrysene-d12	14.033	240	350423	20.000	ng	0.00
86) Perylene-d12	15.510	264	260550	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	701850	88.684	ng	0.00
7) Phenol-d6	6.492	99	804185	79.810	ng	-0.01
23) Nitrobenzene-d5	7.434	82	530215	66.032	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	207485	81.688	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	934220	70.963	ng	-0.01
79) Terphenyl-d14	12.980	244	1112617	46.942	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	72911	11.261	ng	# 78
25) Isophorone	7.434	82	521537	36.744	ng	# 64
49) Acenaphthylene	9.769	152	78947	4.692	ng	100
51) 2,6-Dinitrotoluene	9.910	165	25833	8.849	ng	# 23
57) 2,4-Dinitrotoluene	9.910	165	25833	6.775	ng	# 24
63) Azobenzene	10.622	77	131919	10.149	ng	# 1
67) 4-Bromophenyl-phenylether	10.698	248	13234	3.241	ng	# 1
71) Phenanthrene	11.416	178	41826	2.382	ng	98
75) Fluoranthene	12.610	202	228660	12.275	ng	100
77) Benzidine	12.980	184	15401	3.150	ng	# 89
78) Pyrene	12.839	202	287084	9.471	ng	99
81) Benzo(a)anthracene	14.057	228	189060	8.222	ng	95
83) Chrysene	14.057	228	189060	9.070	ng	98
88) Benzo(b)fluoranthene	15.074	252	422980	23.687	ng	96
89) Benzo(k)fluoranthene	15.074	252	422980	27.679	ng	96
90) Benzo(a)pyrene	15.445	252	191921	13.736	ng	97
91) Dibenzo(a,h)anthracene	16.998	278	34820	2.504	ng	# 85
92) Benzo(g,h,i)perylene	17.433	276	139082	10.121	ng	97

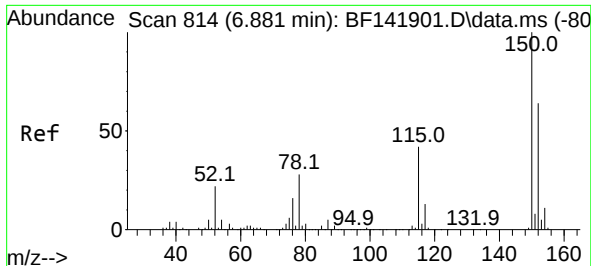
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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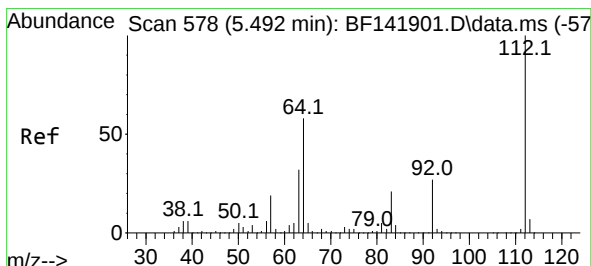
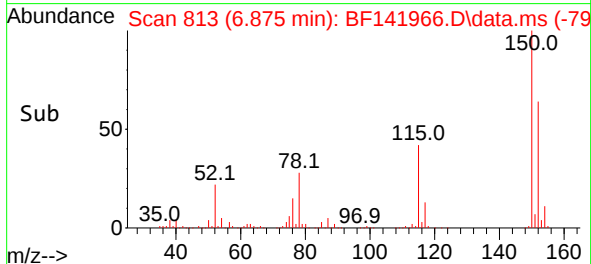
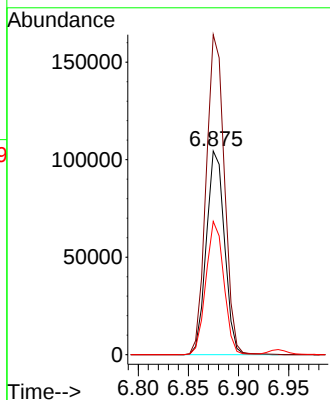
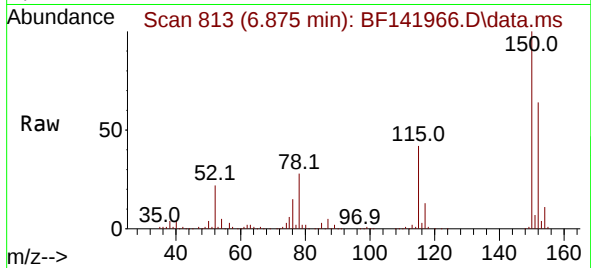




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF141966.D
Acq: 14 Mar 2025 15:38

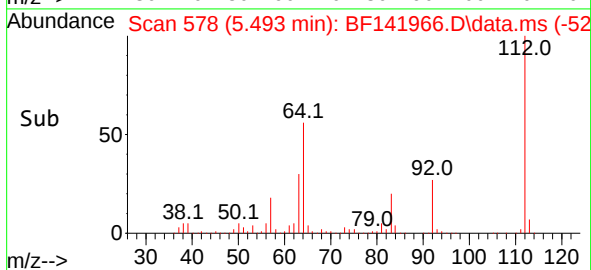
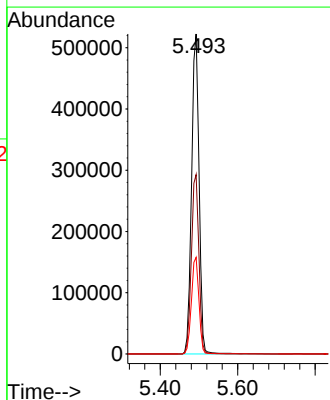
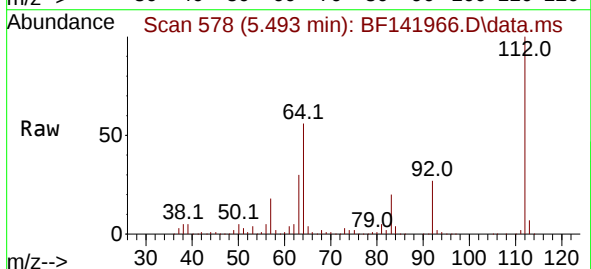
Instrument :
BNA_F
ClientSampleId :
BU-02-031125

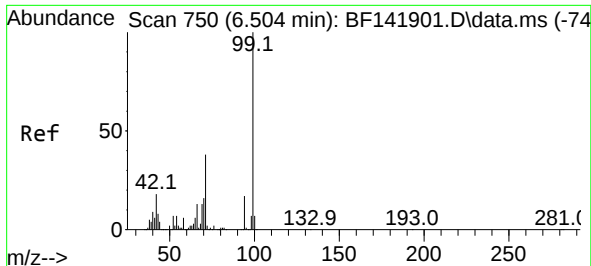
Tgt Ion:152 Resp: 132082
Ion Ratio Lower Upper
152 100
150 157.1 127.4 191.2
115 65.4 51.9 77.9



#5
2-Fluorophenol
Concen: 88.684 ng
RT: 5.493 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF141966.D
Acq: 14 Mar 2025 15:38

Tgt Ion:112 Resp: 701850
Ion Ratio Lower Upper
112 100
64 56.0 46.5 69.7
63 30.2 25.4 38.2

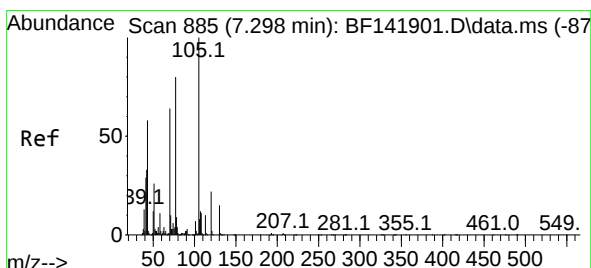
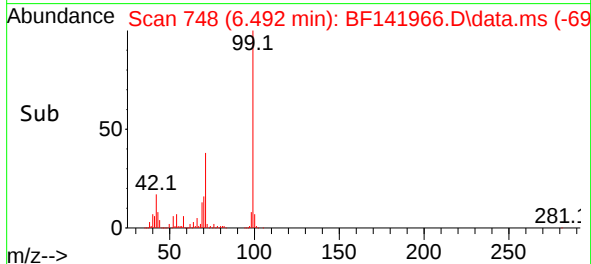
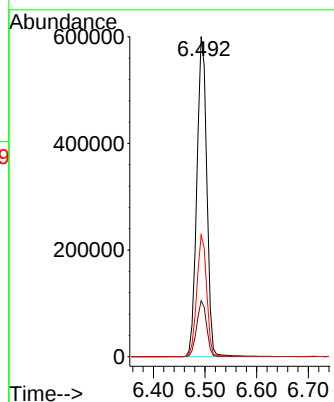
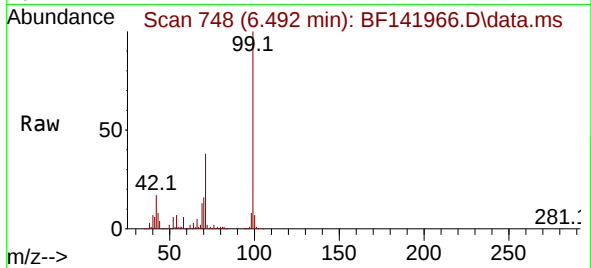




#7
Phenol-d6
Concen: 79.810 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF141966.D
Acq: 14 Mar 2025 15:38

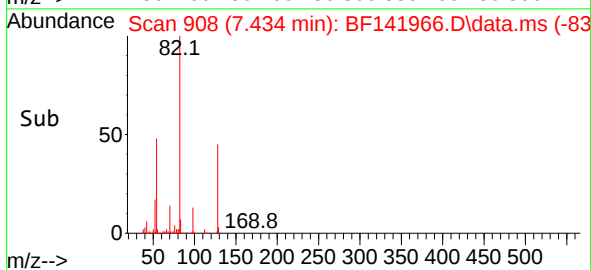
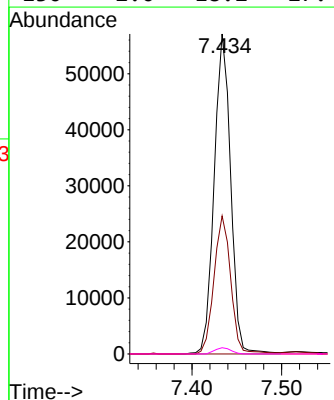
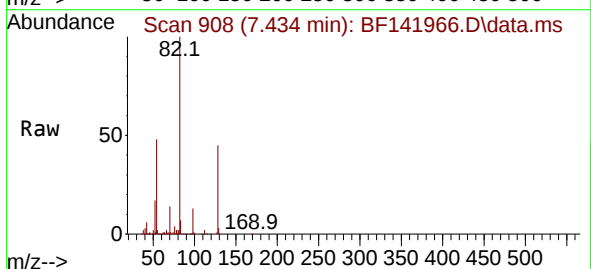
Instrument :
BNA_F
ClientSampleId :
BU-02-031125

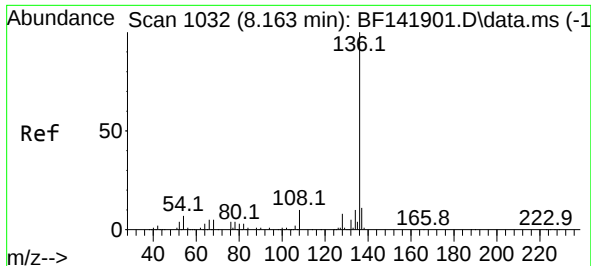
Tgt Ion: 99 Resp: 804185
Ion Ratio Lower Upper
99 100
42 17.5 14.6 21.8
71 38.0 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 11.261 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.135 min
Lab File: BF141966.D
Acq: 14 Mar 2025 15:38

Tgt Ion: 70 Resp: 72911
Ion Ratio Lower Upper
70 100
42 43.1 41.4 62.0
101 0.0 8.2 12.2#
130 2.0 18.2 27.4#

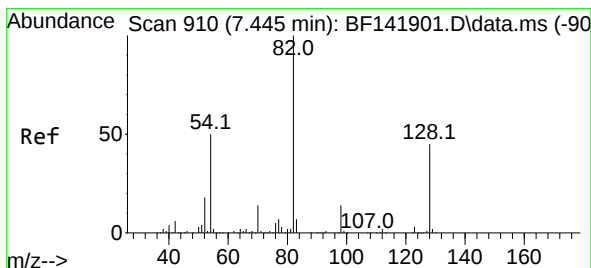
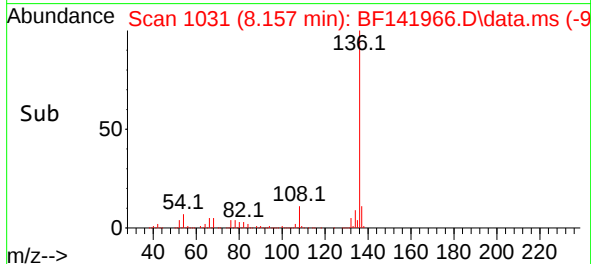
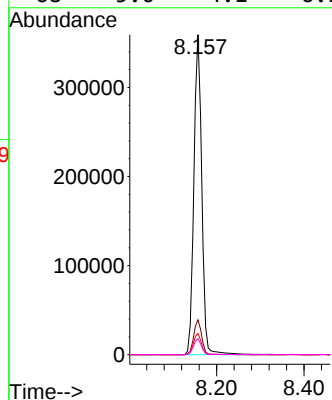
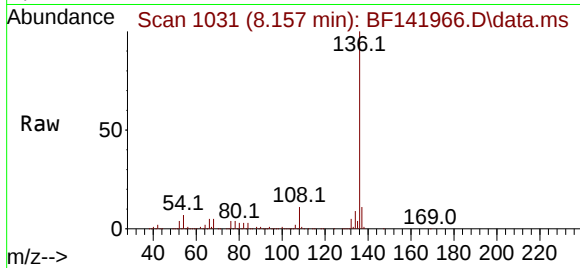




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF141966.D
Acq: 14 Mar 2025 15:38

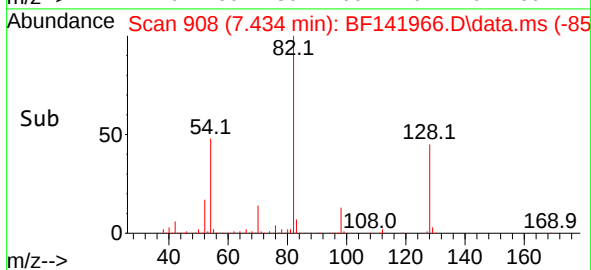
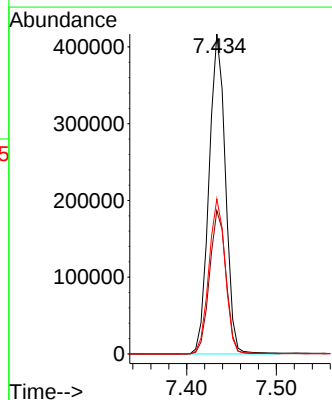
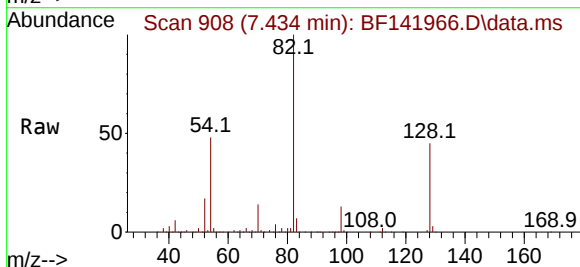
Instrument :
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ClientSampleId :
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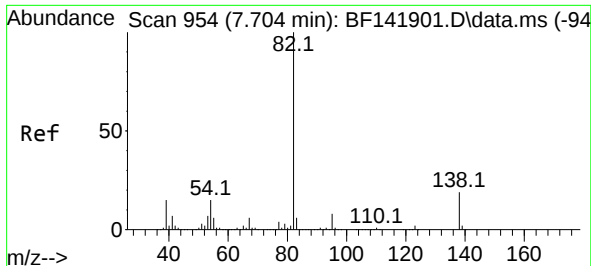
Tgt Ion:136 Resp: 451878
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 6.6 5.8 8.8
68 5.0 4.1 6.1



#23
Nitrobenzene-d5
Concen: 66.032 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF141966.D
Acq: 14 Mar 2025 15:38

Tgt Ion: 82 Resp: 530215
Ion Ratio Lower Upper
82 100
128 44.8 36.0 54.0
54 48.4 39.6 59.4

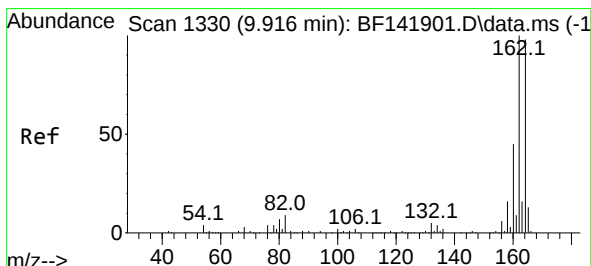
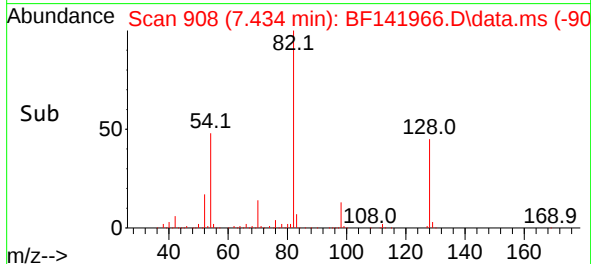
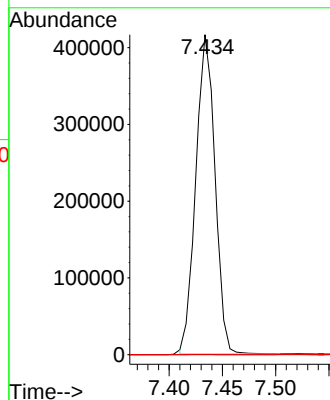
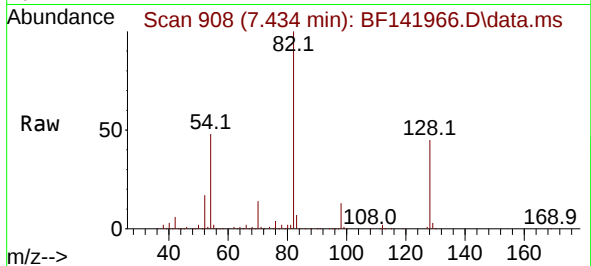




#25
Isophorone
Concen: 36.744 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.270 min
Lab File: BF141966.D
Acq: 14 Mar 2025 15:38

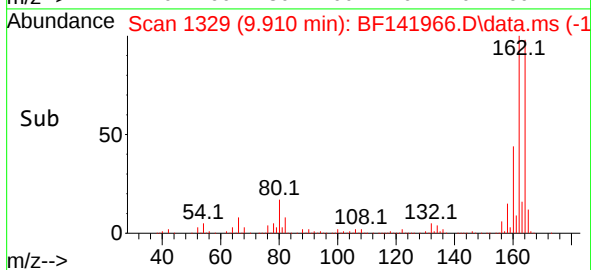
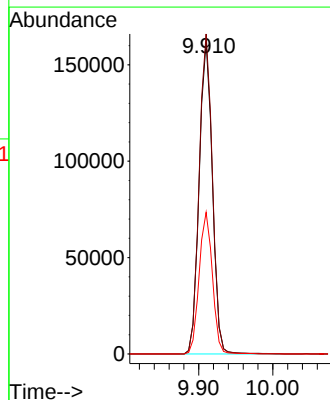
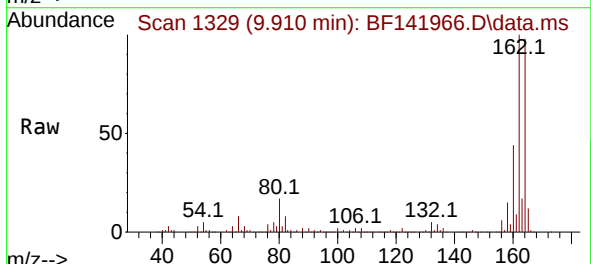
Instrument :
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ClientSampleId :
BU-02-031125

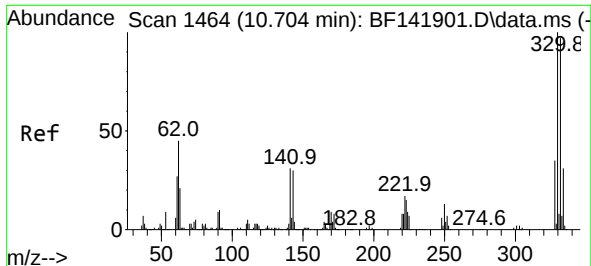
Tgt Ion: 82 Resp: 521537
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF141966.D
Acq: 14 Mar 2025 15:38

Tgt Ion:164 Resp: 200214
Ion Ratio Lower Upper
164 100
162 102.4 81.8 122.6
160 45.4 36.7 55.1

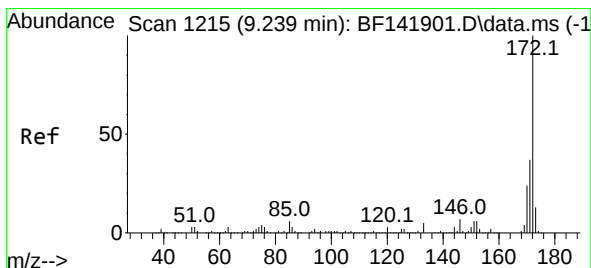
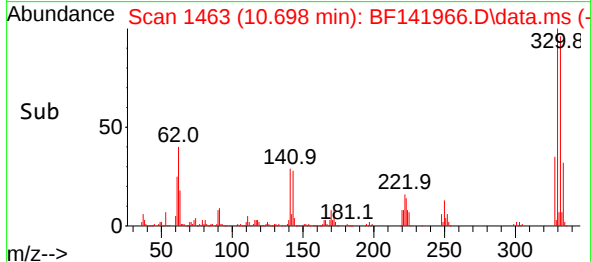
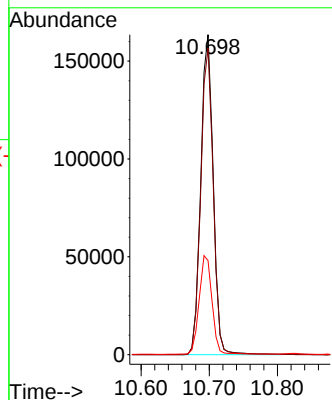
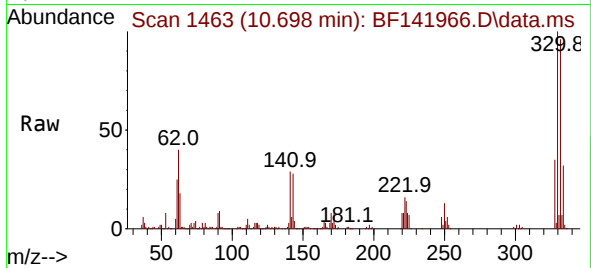




#42
 2,4,6-Tribromophenol
 Concen: 81.688 ng
 RT: 10.698 min Scan# 1463
 Delta R.T. -0.006 min
 Lab File: BF141966.D
 Acq: 14 Mar 2025 15:38

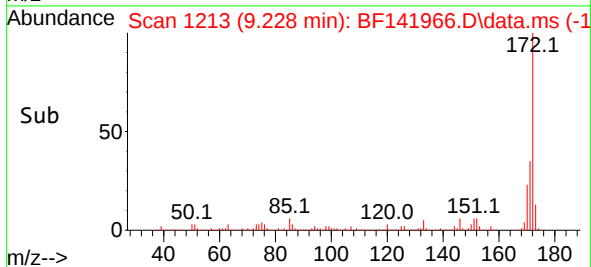
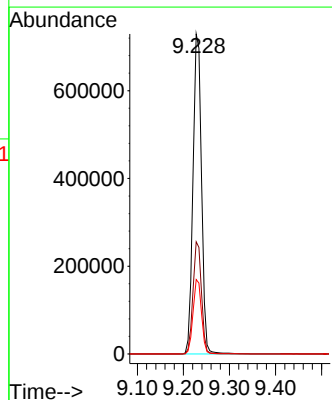
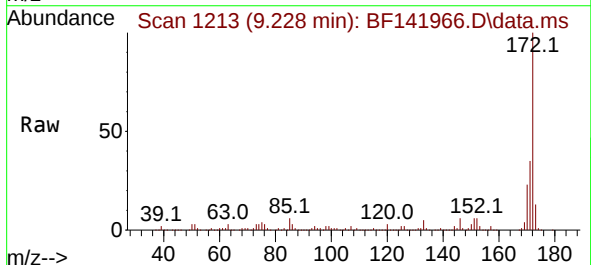
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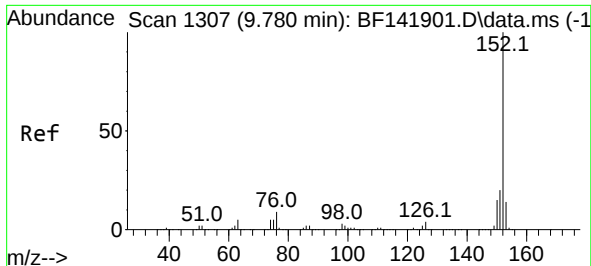
Tgt Ion:330 Resp: 207485
 Ion Ratio Lower Upper
 330 100
 332 96.0 77.6 116.4
 141 31.8 24.7 37.1



#45
 2-Fluorobiphenyl
 Concen: 70.963 ng
 RT: 9.228 min Scan# 1213
 Delta R.T. -0.012 min
 Lab File: BF141966.D
 Acq: 14 Mar 2025 15:38

Tgt Ion:172 Resp: 934220
 Ion Ratio Lower Upper
 172 100
 171 35.1 29.3 43.9
 170 23.3 19.4 29.0





#49

Acenaphthylene

Concen: 4.692 ng

RT: 9.769 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141966.D

Acq: 14 Mar 2025 15:38

Instrument :

BNA_F

ClientSampleId :

BU-02-031125

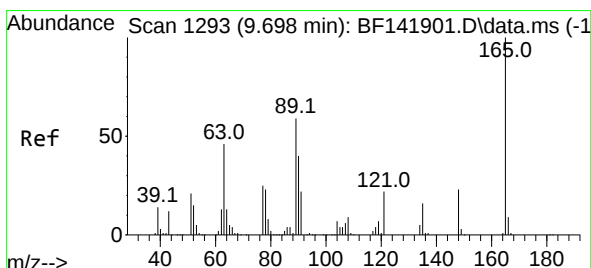
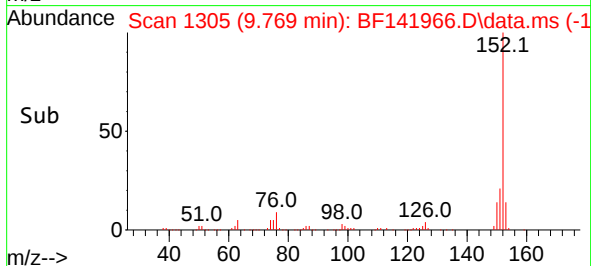
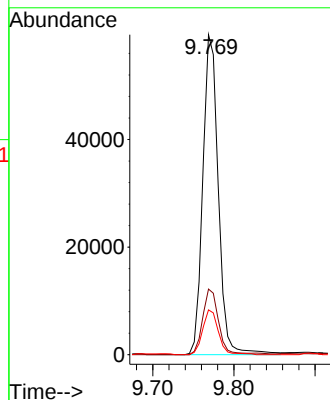
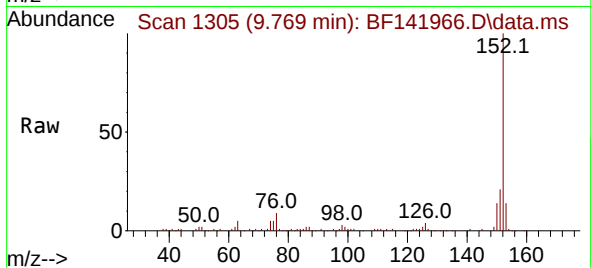
Tgt Ion:152 Resp: 78947

Ion Ratio Lower Upper

152 100

151 20.5 16.3 24.5

153 14.0 11.1 16.7



#51

2,6-Dinitrotoluene

Concen: 8.849 ng

RT: 9.910 min Scan# 1329

Delta R.T. 0.212 min

Lab File: BF141966.D

Acq: 14 Mar 2025 15:38

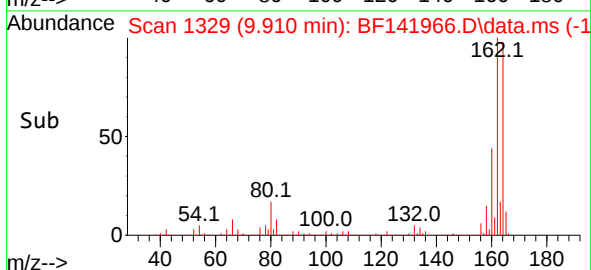
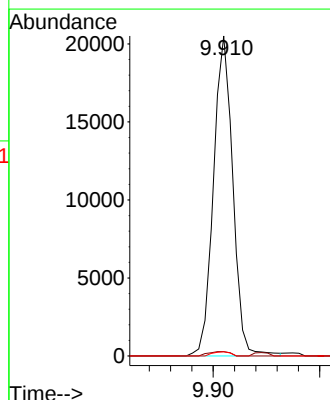
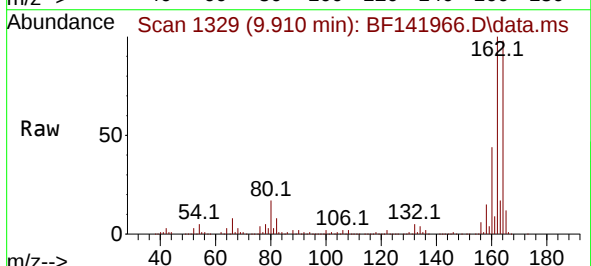
Tgt Ion:165 Resp: 25833

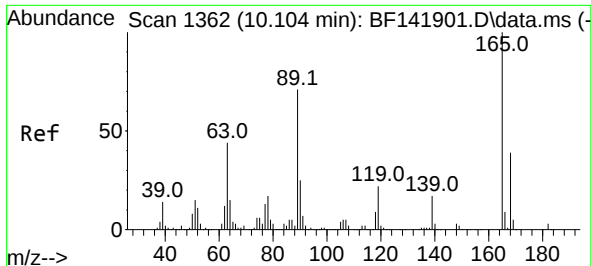
Ion Ratio Lower Upper

165 100

63 1.4 47.0 70.4#

89 1.3 47.4 71.2#

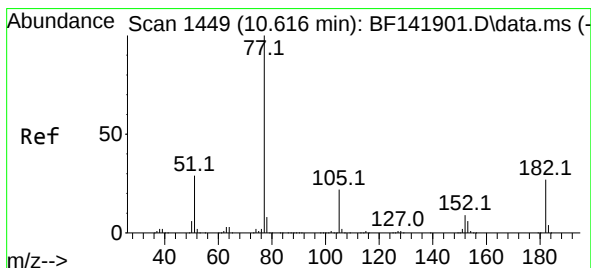
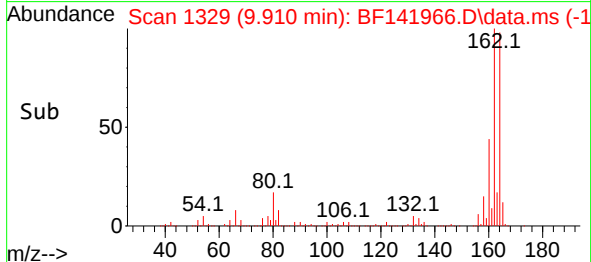
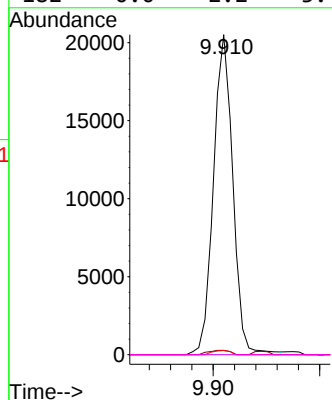
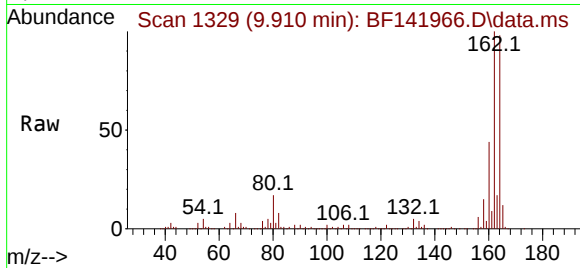




#57
2,4-Dinitrotoluene
Concen: 6.775 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF141966.D
Acq: 14 Mar 2025 15:38

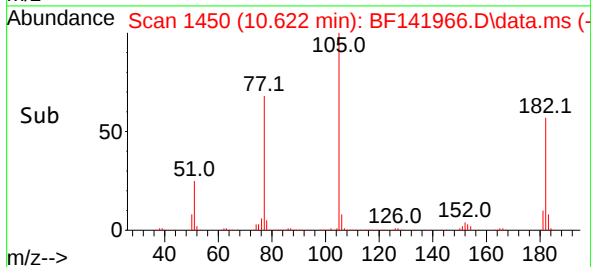
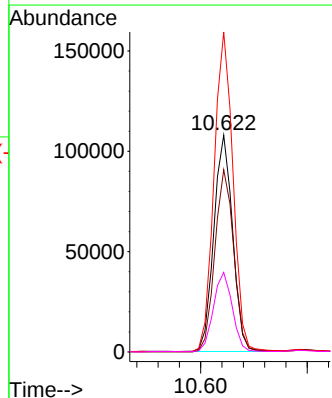
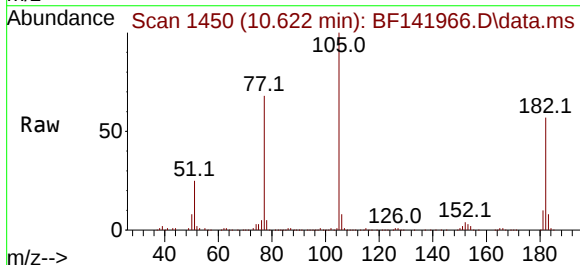
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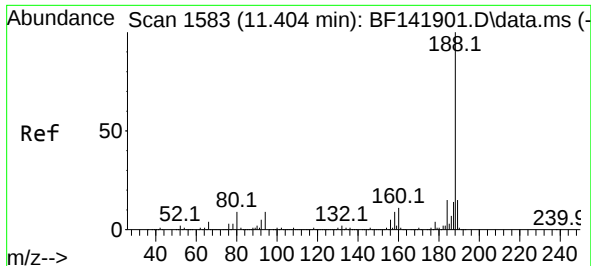
Tgt Ion:165 Resp: 25833
Ion Ratio Lower Upper
165 100
63 1.4 35.4 53.2#
89 1.3 56.6 84.8#
182 0.0 2.2 3.4#



#63
Azobenzene
Concen: 10.149 ng
RT: 10.622 min Scan# 1450
Delta R.T. 0.006 min
Lab File: BF141966.D
Acq: 14 Mar 2025 15:38

Tgt Ion: 77 Resp: 131919
Ion Ratio Lower Upper
77 100
182 84.0 6.6 46.6#
105 147.6 1.3 41.3#
51 36.7 10.4 50.4

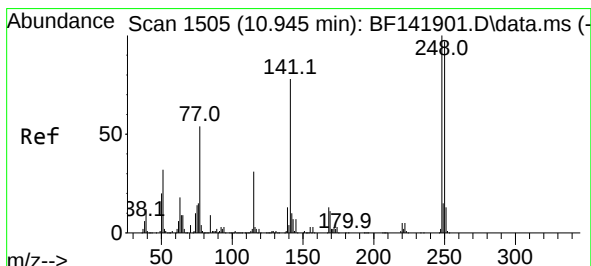
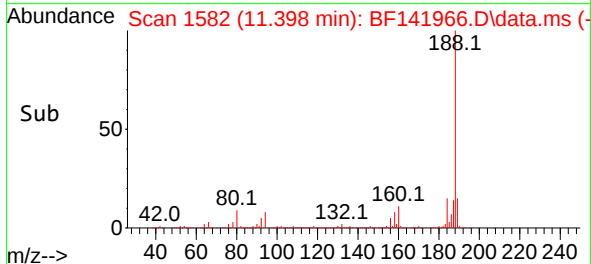
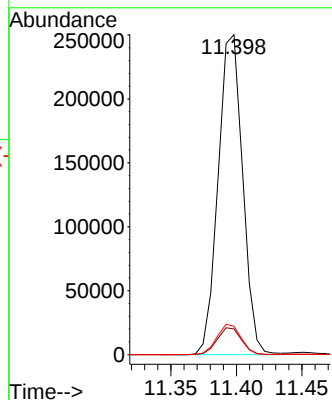
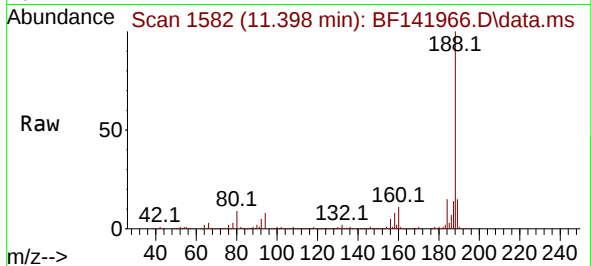




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141966.D
Acq: 14 Mar 2025 15:38

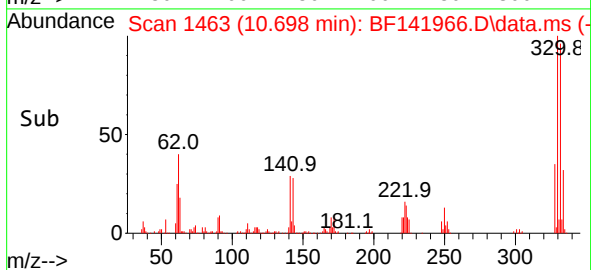
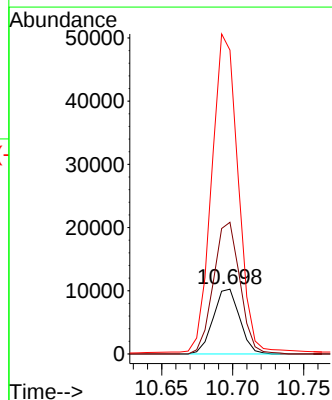
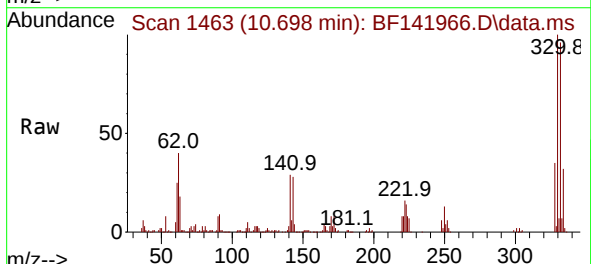
Instrument :
BNA_F
ClientSampleId :
BU-02-031125

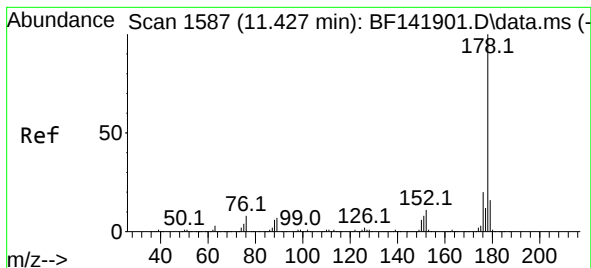
Tgt Ion:188 Resp: 325126
Ion Ratio Lower Upper
188 100
94 8.0 6.8 10.2
80 8.9 7.6 11.4



#67
4-Bromophenyl-phenylether
Concen: 3.241 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF141966.D
Acq: 14 Mar 2025 15:38

Tgt Ion:248 Resp: 13234
Ion Ratio Lower Upper
248 100
250 203.4 77.8 116.8#
141 469.2 62.6 93.8#





#71

Phenanthrene

Concen: 2.382 ng

RT: 11.416 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141966.D

Acq: 14 Mar 2025 15:38

Instrument :

BNA_F

ClientSampleId :

BU-02-031125

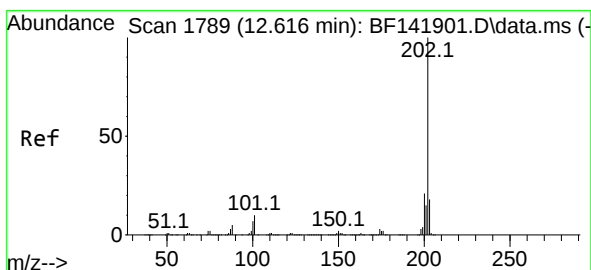
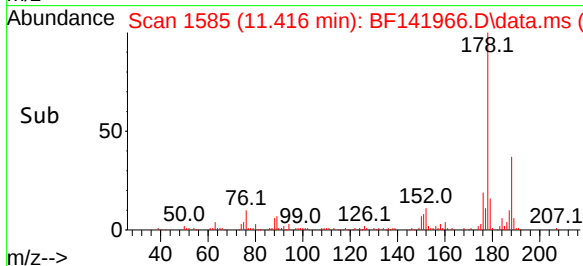
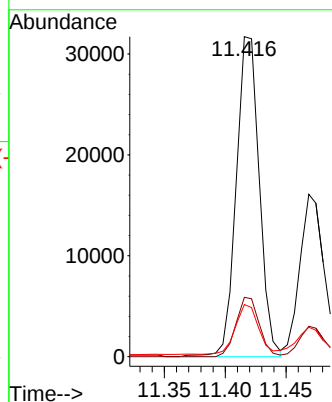
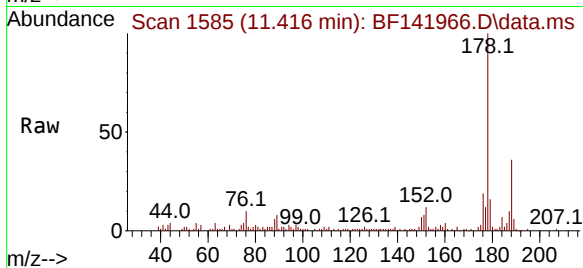
Tgt Ion:178 Resp: 41826

Ion Ratio Lower Upper

178 100

176 18.5 15.8 23.8

179 16.3 12.6 19.0



#75

Fluoranthene

Concen: 12.275 ng

RT: 12.610 min Scan# 1788

Delta R.T. -0.006 min

Lab File: BF141966.D

Acq: 14 Mar 2025 15:38

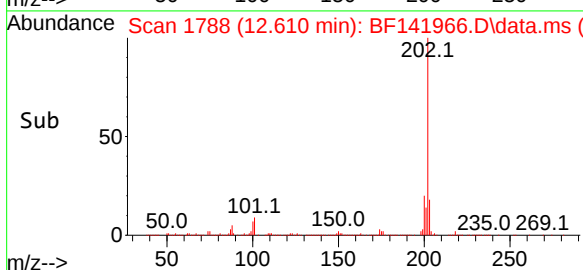
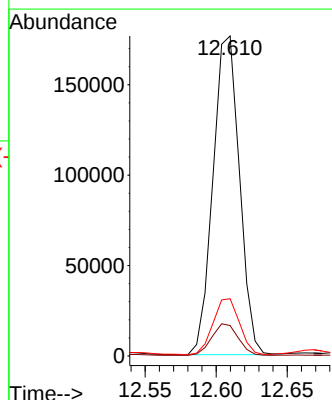
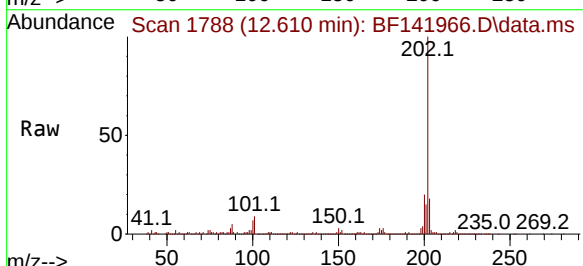
Tgt Ion:202 Resp: 228660

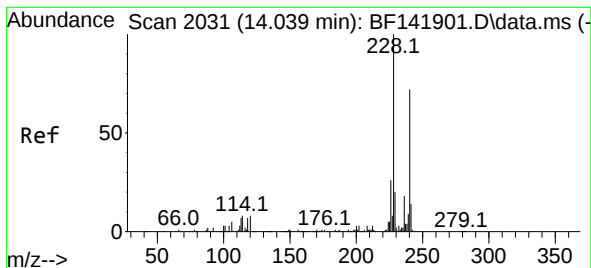
Ion Ratio Lower Upper

202 100

101 9.5 0.0 29.7

203 17.9 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF141966.D

Acq: 14 Mar 2025 15:38

Instrument :

BNA_F

ClientSampleId :

BU-02-031125

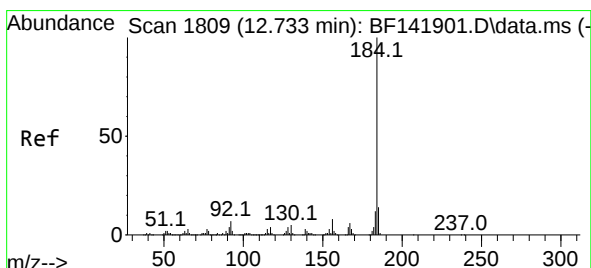
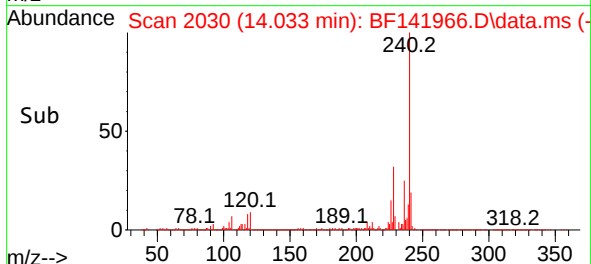
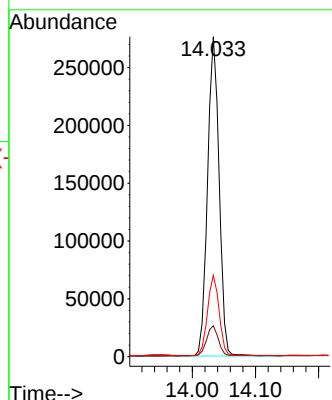
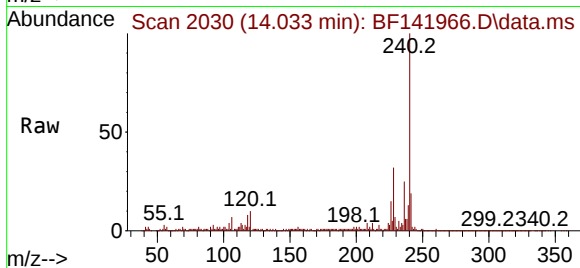
Tgt Ion:240 Resp: 350423

Ion Ratio Lower Upper

240 100

120 9.6 8.4 12.6

236 25.4 20.5 30.7



#77

Benzidine

Concen: 3.150 ng

RT: 12.980 min Scan# 1851

Delta R.T. 0.247 min

Lab File: BF141966.D

Acq: 14 Mar 2025 15:38

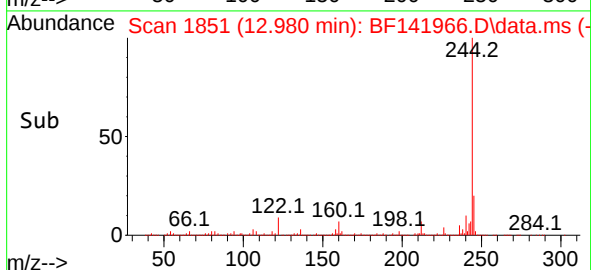
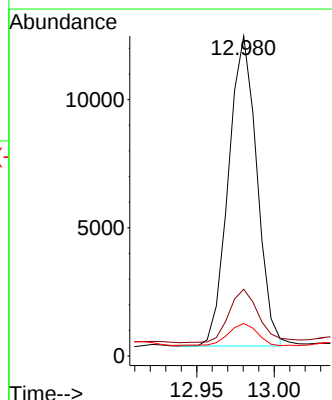
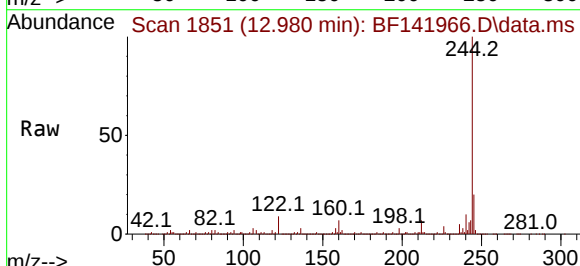
Tgt Ion:184 Resp: 15401

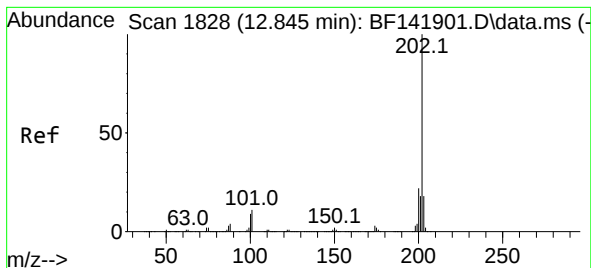
Ion Ratio Lower Upper

184 100

185 20.8 11.5 17.3#

183 10.2 9.7 14.5





#78

Pyrene

Concen: 9.471 ng

RT: 12.839 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF141966.D

Acq: 14 Mar 2025 15:38

Instrument :

BNA_F

ClientSampleId :

BU-02-031125

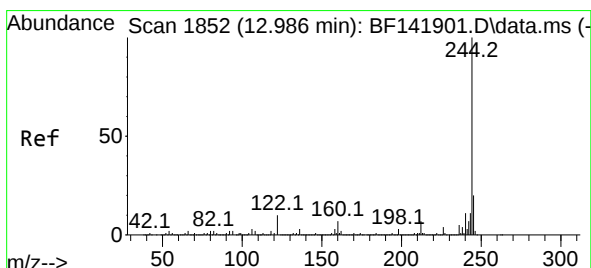
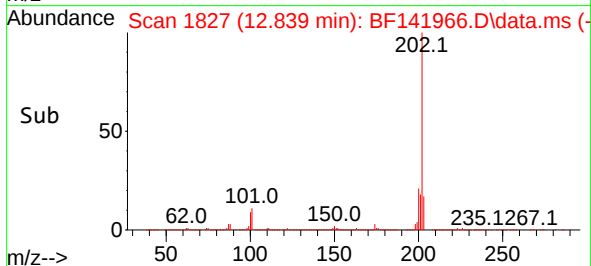
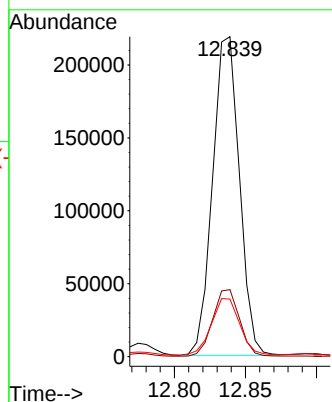
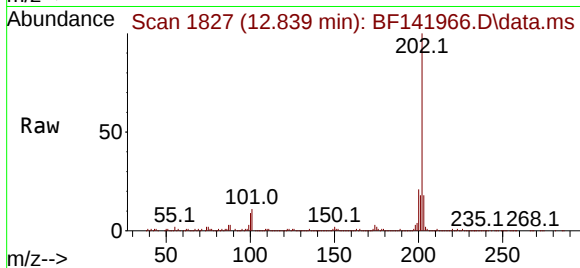
Tgt Ion:202 Resp: 287084

Ion Ratio Lower Upper

202 100

200 20.9 17.3 25.9

203 18.0 14.4 21.6



#79

Terphenyl-d14

Concen: 46.942 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF141966.D

Acq: 14 Mar 2025 15:38

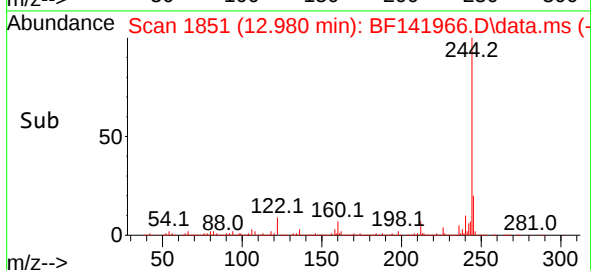
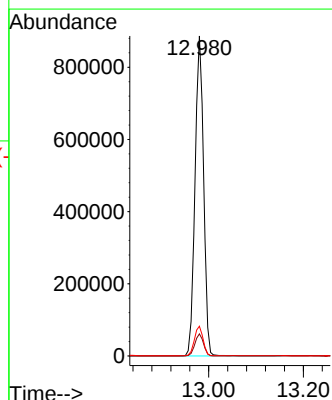
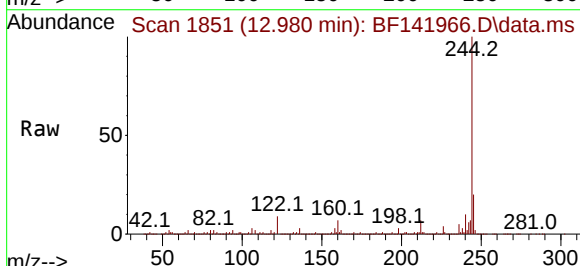
Tgt Ion:244 Resp: 1112617

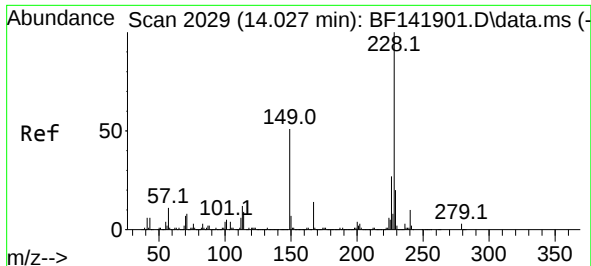
Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

122 9.3 7.7 11.5

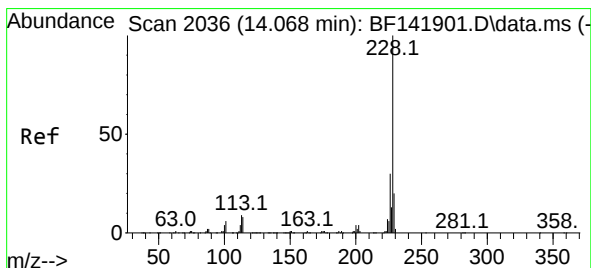
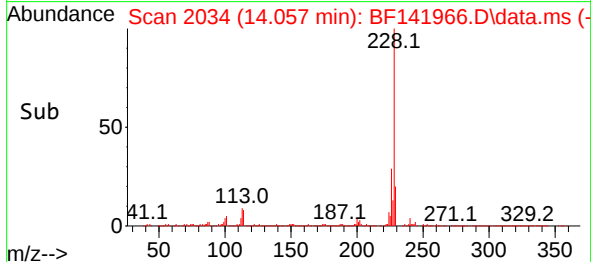
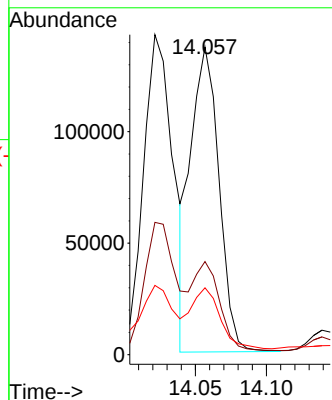
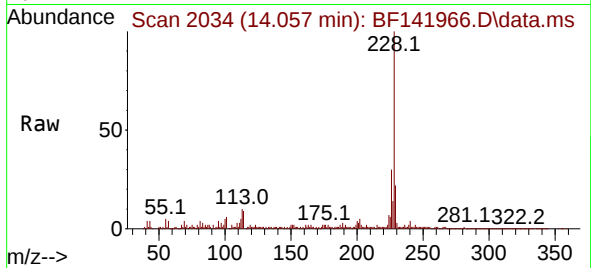




#81
Benzo(a)anthracene
Concen: 8.222 ng
RT: 14.057 min Scan# 2034
Delta R.T. 0.030 min
Lab File: BF141966.D
Acq: 14 Mar 2025 15:38

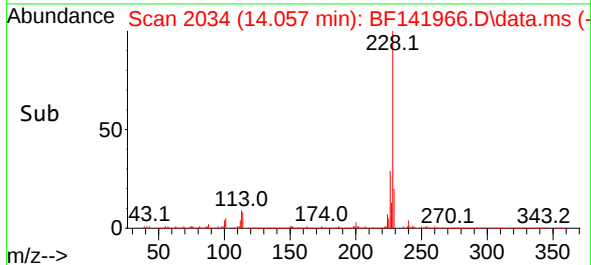
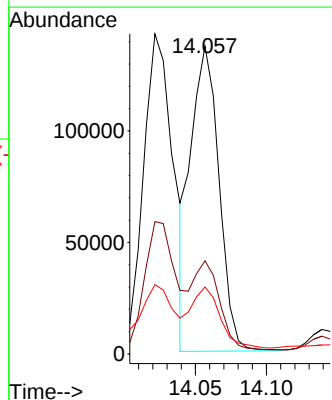
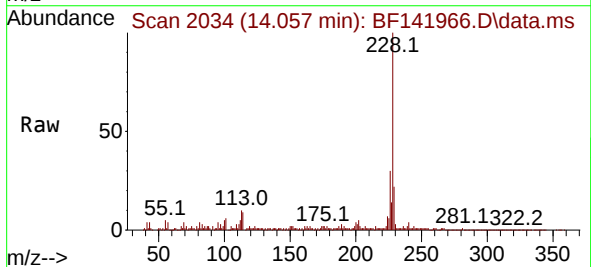
Instrument :
BNA_F
ClientSampleId :
BU-02-031125

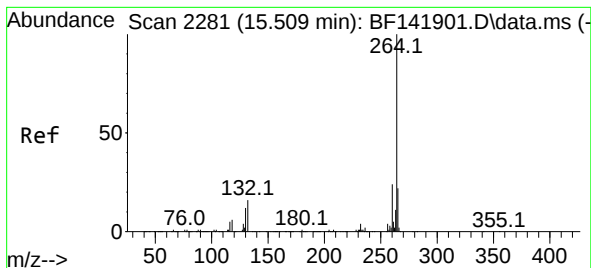
Tgt Ion:228 Resp: 189060
Ion Ratio Lower Upper
228 100
226 30.2 21.8 32.8
229 21.8 16.0 24.0



#83
Chrysene
Concen: 9.070 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.012 min
Lab File: BF141966.D
Acq: 14 Mar 2025 15:38

Tgt Ion:228 Resp: 189060
Ion Ratio Lower Upper
228 100
226 30.2 24.1 36.1
229 21.8 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.510 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF141966.D

Acq: 14 Mar 2025 15:38

Instrument :

BNA_F

ClientSampleId :

BU-02-031125

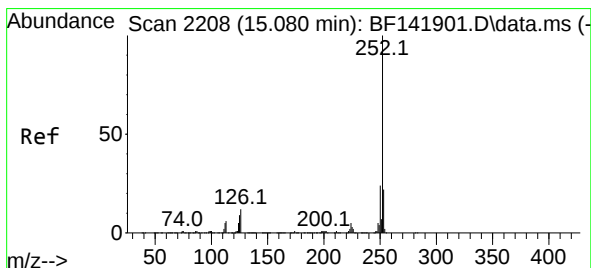
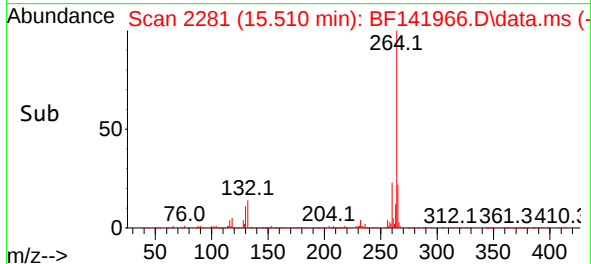
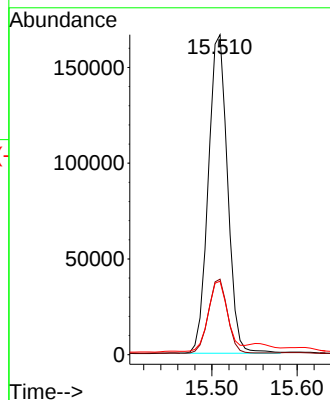
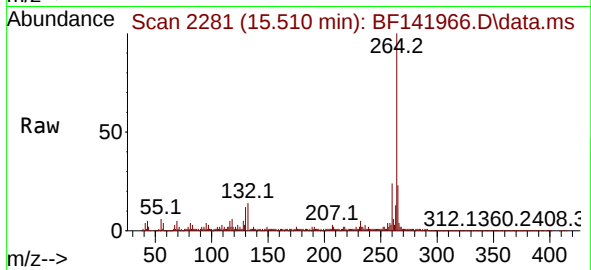
Tgt Ion:264 Resp: 260550

Ion Ratio Lower Upper

264 100

260 23.6 19.1 28.7

265 22.9 17.5 26.3



#88

Benzo(b)fluoranthene

Concen: 23.687 ng

RT: 15.074 min Scan# 2207

Delta R.T. -0.006 min

Lab File: BF141966.D

Acq: 14 Mar 2025 15:38

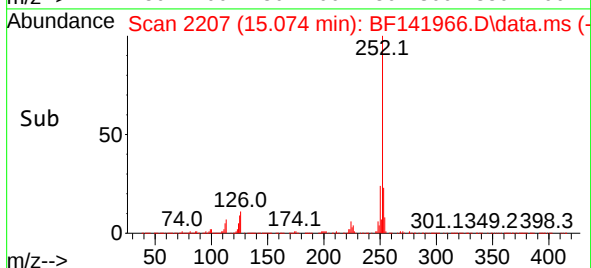
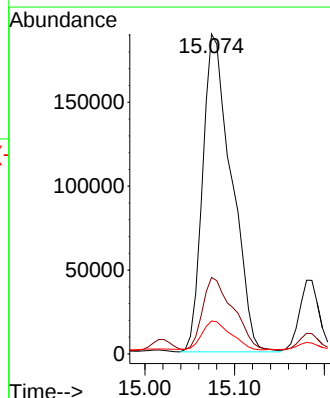
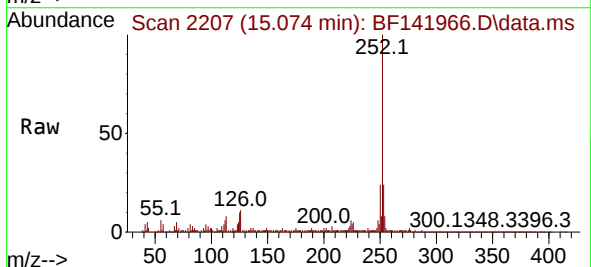
Tgt Ion:252 Resp: 422980

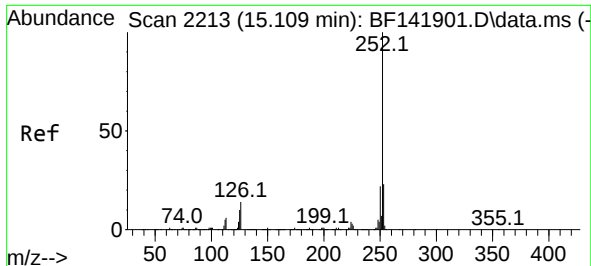
Ion Ratio Lower Upper

252 100

253 23.9 17.5 26.3

125 10.3 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 27.679 ng

RT: 15.074 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF141966.D

Acq: 14 Mar 2025 15:38

Instrument :

BNA_F

ClientSampleId :

BU-02-031125

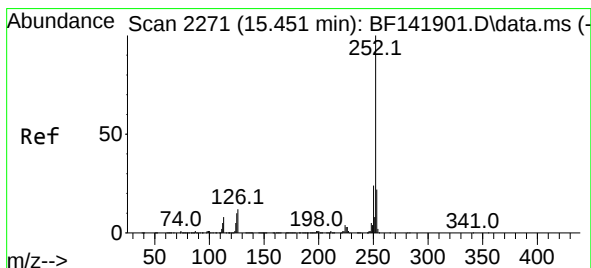
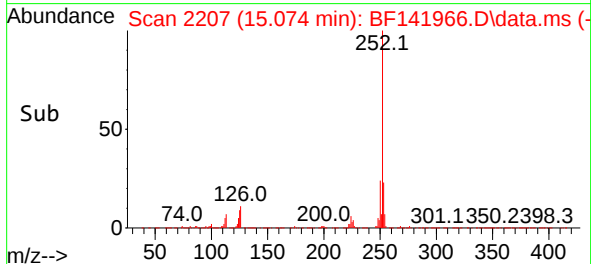
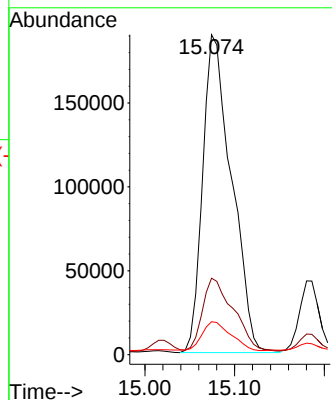
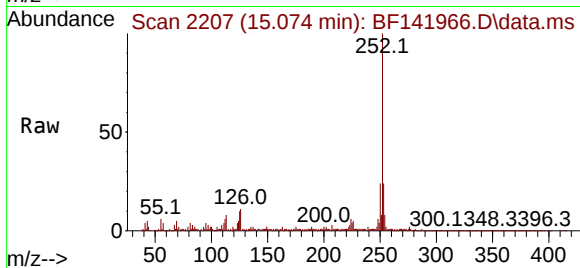
Tgt Ion:252 Resp: 422980

Ion Ratio Lower Upper

252 100

253 23.9 17.7 26.5

125 10.3 7.2 10.8



#90

Benzo(a)pyrene

Concen: 13.736 ng

RT: 15.445 min Scan# 2270

Delta R.T. -0.006 min

Lab File: BF141966.D

Acq: 14 Mar 2025 15:38

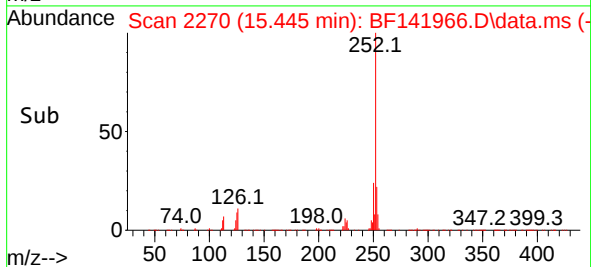
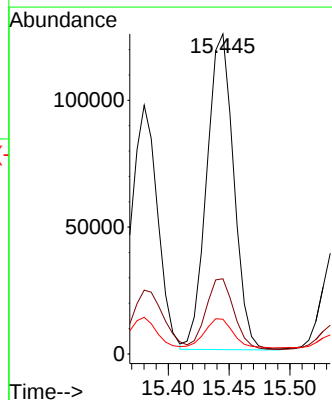
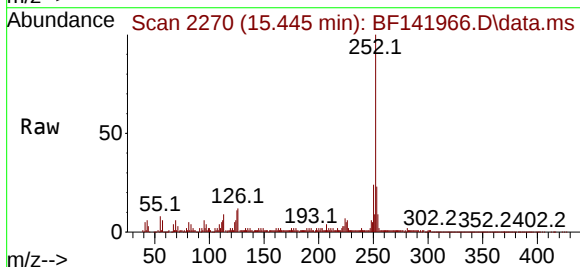
Tgt Ion:252 Resp: 191921

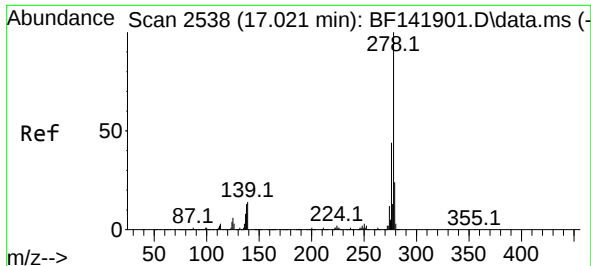
Ion Ratio Lower Upper

252 100

253 23.5 17.4 26.0

125 10.8 7.8 11.8

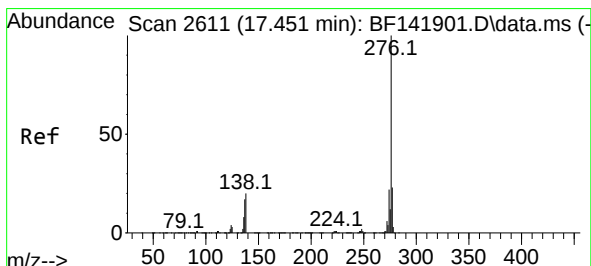
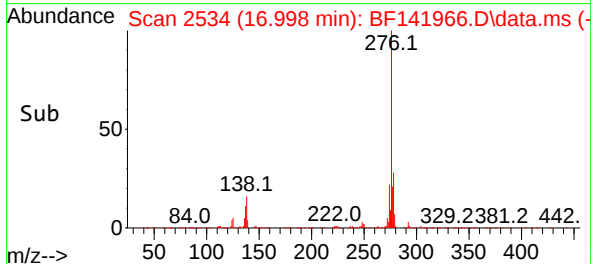
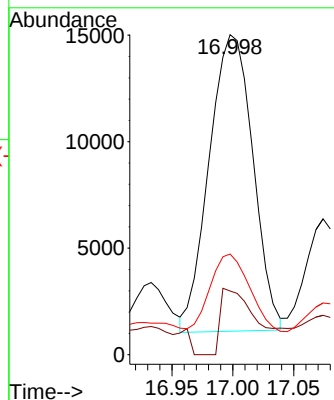
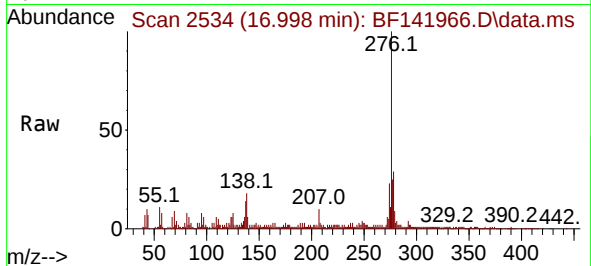




#91
 Dibenzo(a,h)anthracene
 Concen: 2.504 ng
 RT: 16.998 min Scan# 21
 Delta R.T. -0.023 min
 Lab File: BF141966.D
 Acq: 14 Mar 2025 15:38

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-031125

Tgt Ion:278 Resp: 34820
 Ion Ratio Lower Upper
 278 100
 139 19.9 11.4 17.2#
 279 31.5 18.8 28.2#



#92
 Benzo(g,h,i)perylene
 Concen: 10.121 ng
 RT: 17.433 min Scan# 2608
 Delta R.T. -0.018 min
 Lab File: BF141966.D
 Acq: 14 Mar 2025 15:38

Tgt Ion:276 Resp: 139082
 Ion Ratio Lower Upper
 276 100
 277 24.5 18.7 28.1
 138 18.3 15.8 23.8

