

Data Path : T:\svoasrv\HPCHEM1\BNA_F\Data\BF032425\
 Data File : BF142064.D
 Acq On : 24 Mar 2025 19:53
 Operator : RC/JU
 Sample : Q1626-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 24 21:20:06 2025
 Quant Method : T:\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)

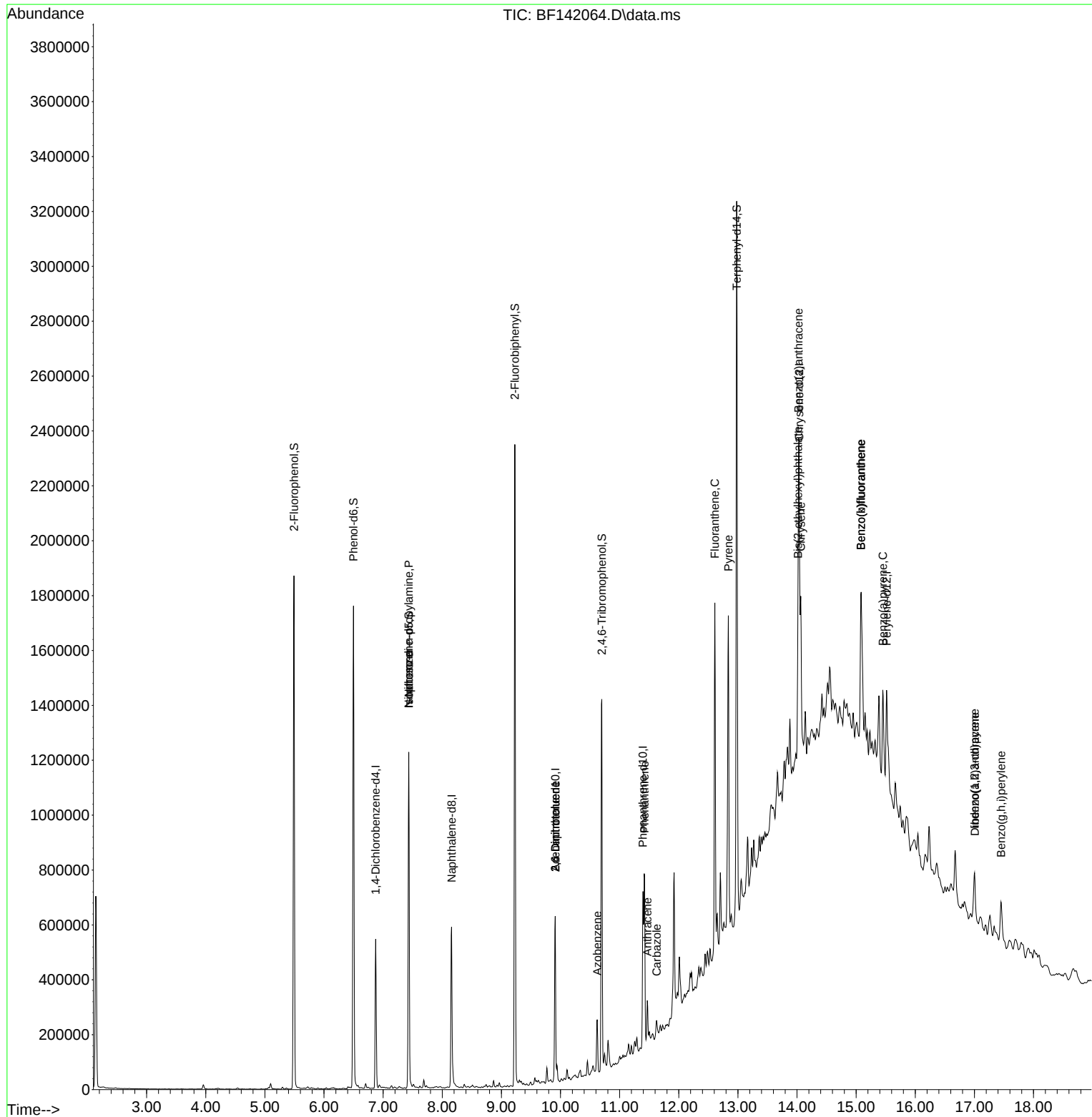
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	116014	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	398449	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	182155	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	306975	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	317887	20.000	ng	0.00
86) Perylene-d12	15.515	264	212254	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	727995	104.728	ng	0.00
7) Phenol-d6	6.498	99	837047	94.576	ng	0.00
23) Nitrobenzene-d5	7.434	82	556905	78.656	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	258384	111.812	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1021571	85.291	ng	-0.01
79) Terphenyl-d14	12.980	244	1319807	61.383	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	75323	13.245	ng	# 77
25) Isophorone	7.434	82	546131	43.636	ng	# 64
51) 2,6-Dinitrotoluene	9.910	165	25762	9.700	ng	# 23
57) 2,4-Dinitrotoluene	9.910	165	25832	7.447	ng	# 24
63) Azobenzene	10.622	77	46440	3.927	ng	# 1
71) Phenanthrene	11.422	178	342983	20.686	ng	99
72) Anthracene	11.469	178	94213	5.664	ng	99
73) Carbazole	11.627	167	28870	2.012	ng	94
75) Fluoranthene	12.610	202	717968	40.821	ng	99
78) Pyrene	12.839	202	661927	24.072	ng	98
81) Benzo(a)anthracene	14.027	228	394783	18.925	ng	95
83) Chrysene	14.063	228	311853	16.492	ng	96
84) Bis(2-ethylhexyl)phtha...	14.015	149	102882	6.933	ng	# 98
87) Indeno(1,2,3-cd)pyrene	17.004	276	136796	9.963	ng	# 92
88) Benzo(b)fluoranthene	15.080	252	443750	30.505	ng	# 93
89) Benzo(k)fluoranthene	15.080	252	443750	35.646	ng	# 94
90) Benzo(a)pyrene	15.451	252	215459	18.929	ng	# 92
91) Dibenzo(a,h)anthracene	17.009	278	33040	2.917	ng	# 76
92) Benzo(g,h,i)perylene	17.451	276	145375	12.986	ng	98

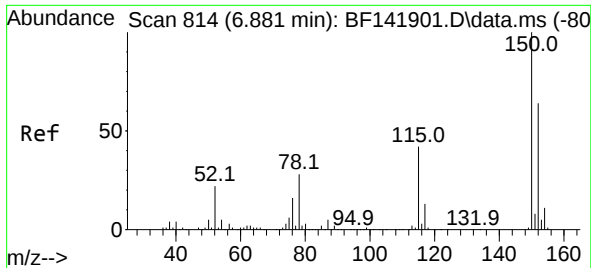
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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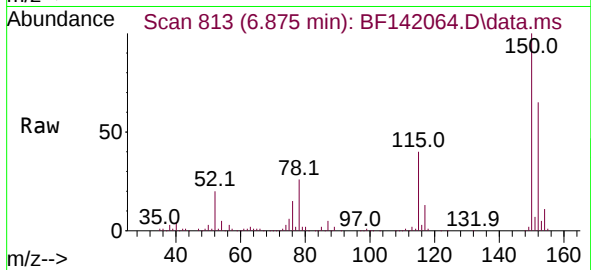
Quant Time: Mar 24 21:20:06 2025
Quant Method : T:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration



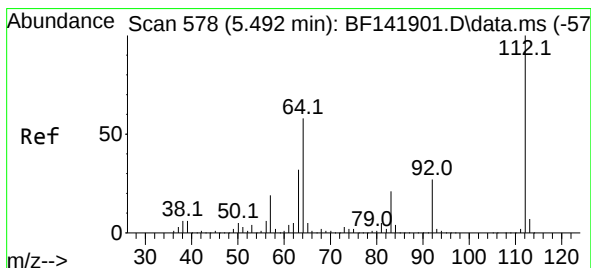
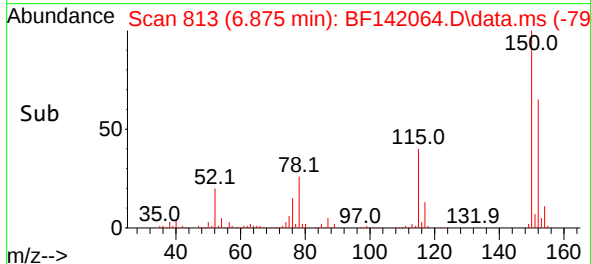
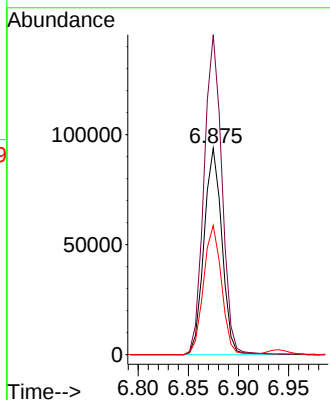


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF142064.D
Acq: 24 Mar 2025 19:53

Instrument :
BNA_F
ClientSampleId :

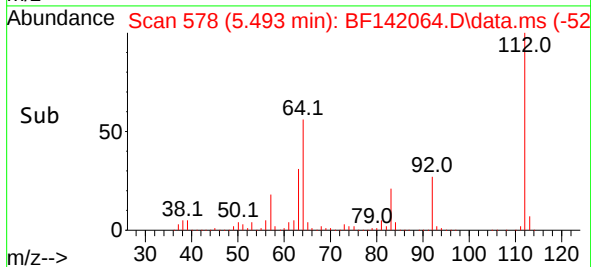
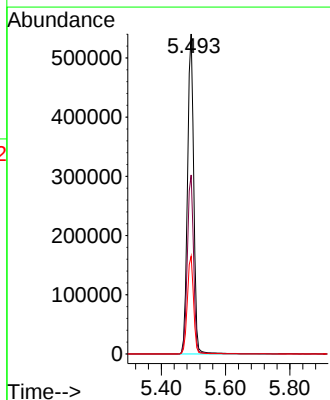
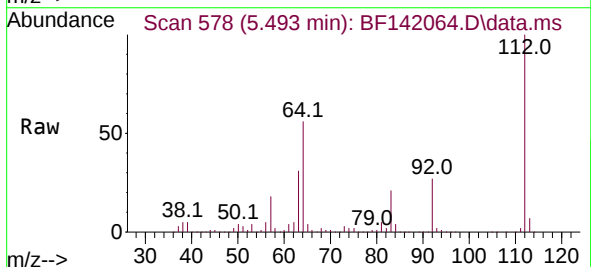


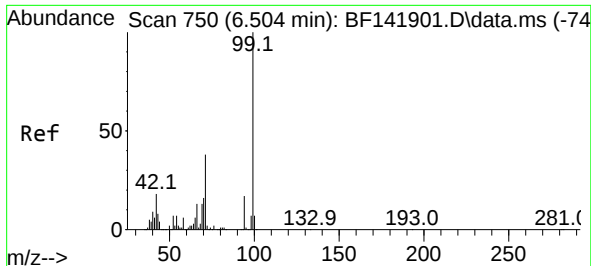
Tgt Ion:152 Resp: 116014
Ion Ratio Lower Upper
152 100
150 155.0 127.4 191.2
115 62.6 51.9 77.9



#5
2-Fluorophenol
Concen: 104.728 ng
RT: 5.493 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF142064.D
Acq: 24 Mar 2025 19:53

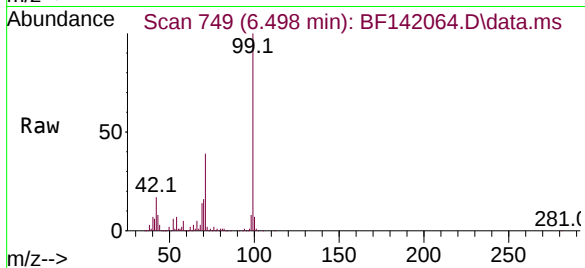
Tgt Ion:112 Resp: 727995
Ion Ratio Lower Upper
112 100
64 55.9 46.5 69.7
63 30.5 25.4 38.2



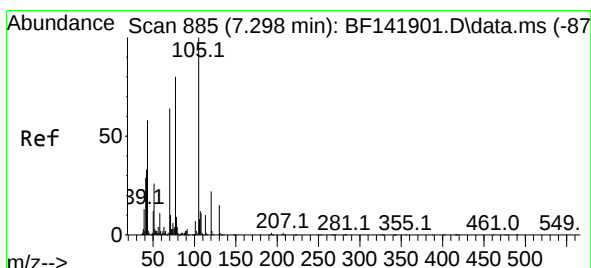
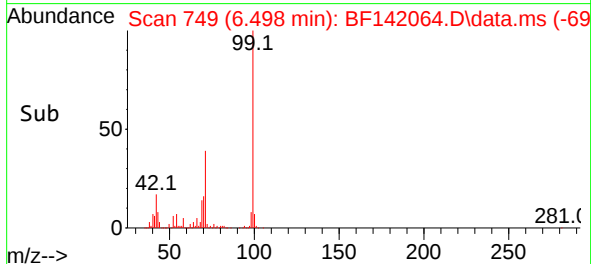
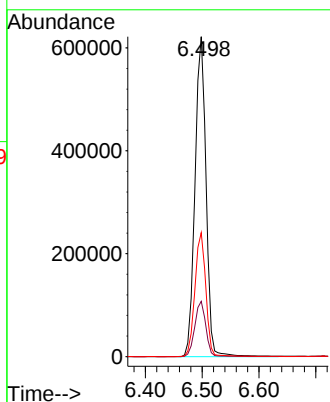


#7
Phenol-d6
Concen: 94.576 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF142064.D
Acq: 24 Mar 2025 19:53

Instrument :
BNA_F
ClientSampleId :

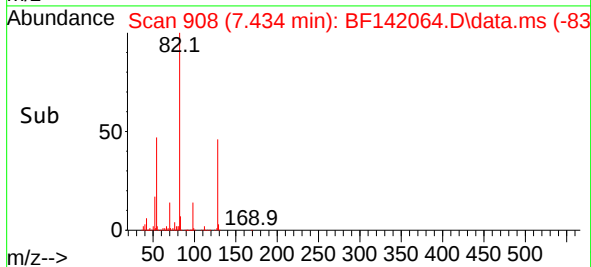
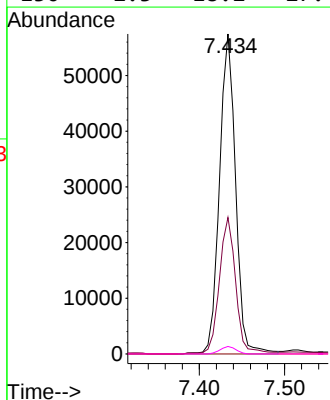
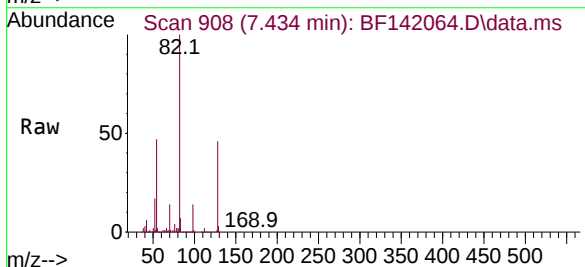


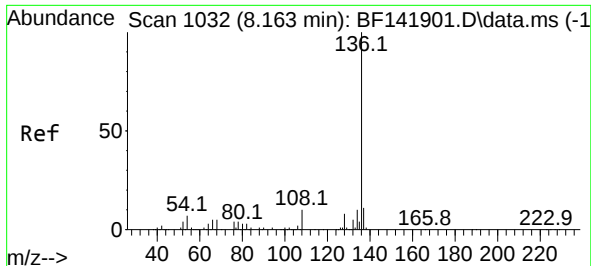
Tgt Ion	Ratio	Lower	Upper
99	100		
42	17.3	14.6	21.8
71	38.7	30.8	46.2



#19
n-Nitroso-di-n-propylamine
Concen: 13.245 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.135 min
Lab File: BF142064.D
Acq: 24 Mar 2025 19:53

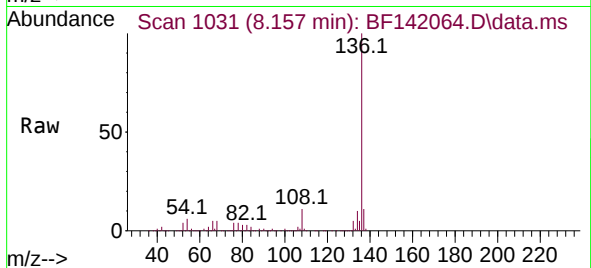
Tgt Ion	Ratio	Lower	Upper
70	100		
42	42.6	41.4	62.0
101	0.0	8.2	12.2#
130	2.3	18.2	27.4#



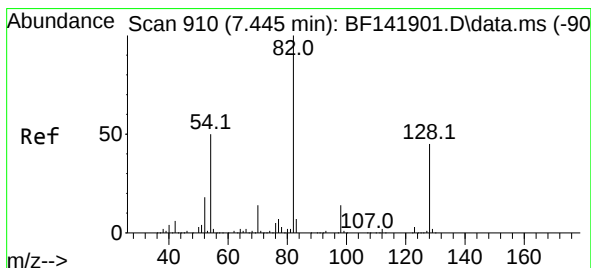
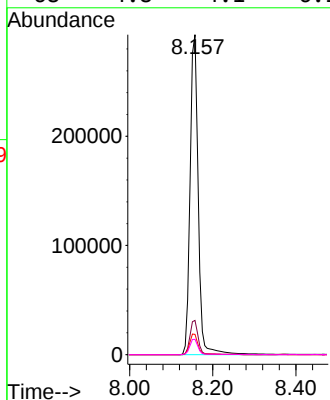
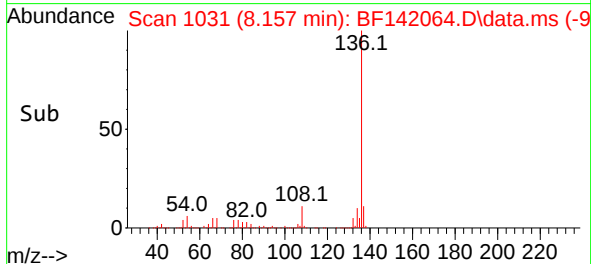


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF142064.D
Acq: 24 Mar 2025 19:53

Instrument :
BNA_F
ClientSampleId :

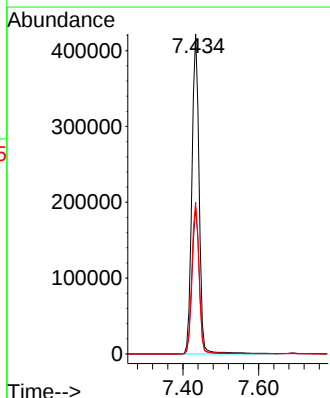
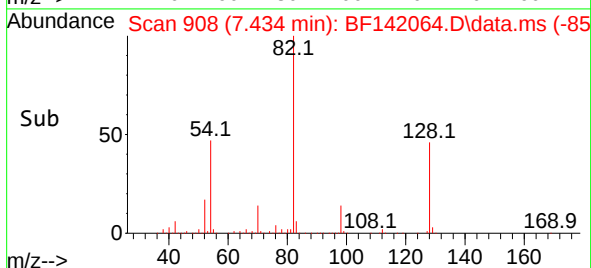
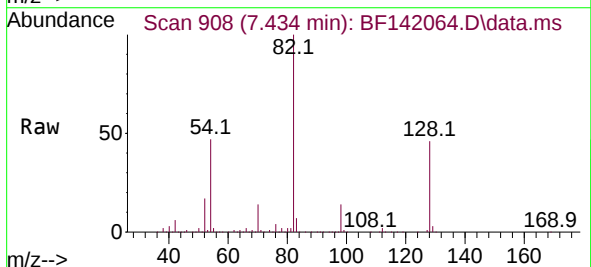


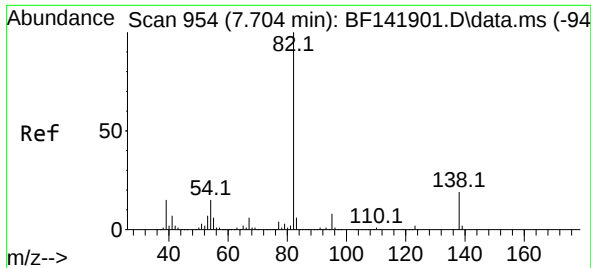
Tgt Ion:	136	Resp:	398449
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	6.3	5.8	8.8
68	4.8	4.1	6.1



#23
Nitrobenzene-d5
Concen: 78.656 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF142064.D
Acq: 24 Mar 2025 19:53

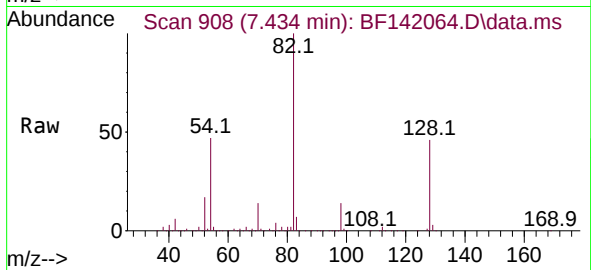
Tgt Ion:	82	Resp:	556905
Ion	Ratio	Lower	Upper
82	100		
128	45.6	36.0	54.0
54	47.4	39.6	59.4



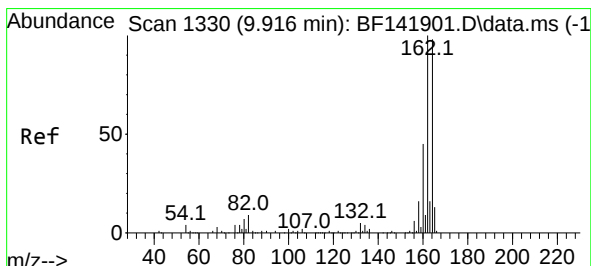
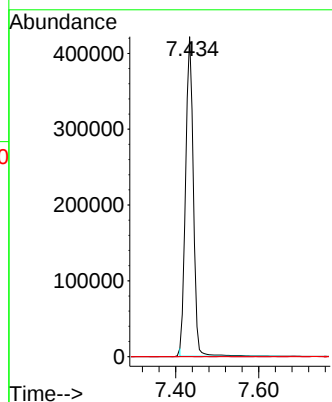
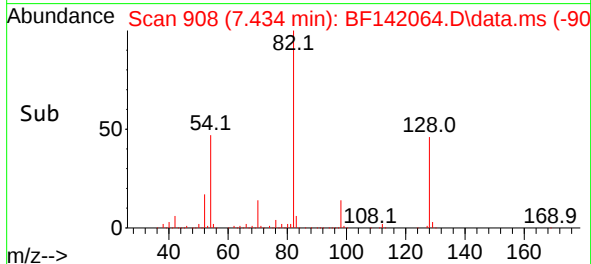


#25
Isophorone
Concen: 43.636 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF142064.D
Acq: 24 Mar 2025 19:53

Instrument :
BNA_F
ClientSampleId :

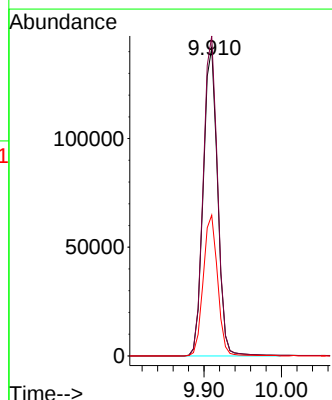
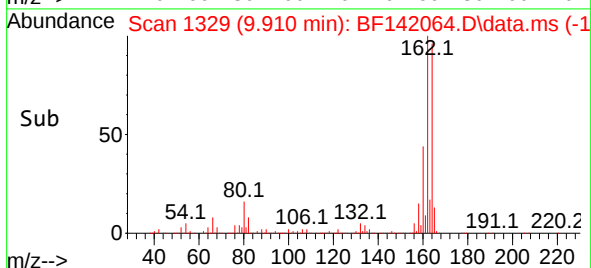
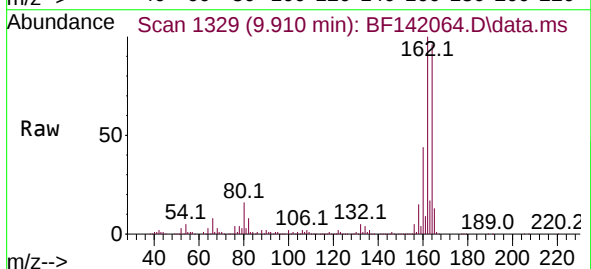


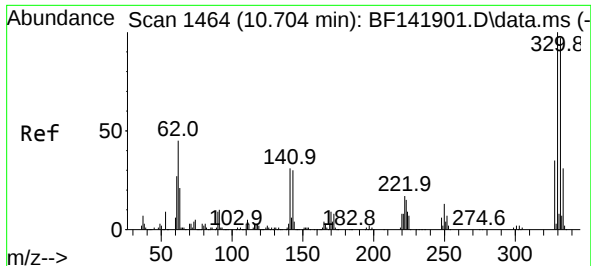
Tgt Ion: 82 Resp: 546131
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF142064.D
Acq: 24 Mar 2025 19:53

Tgt Ion: 164 Resp: 182155
Ion Ratio Lower Upper
164 100
162 103.8 81.8 122.6
160 45.7 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 111.812 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

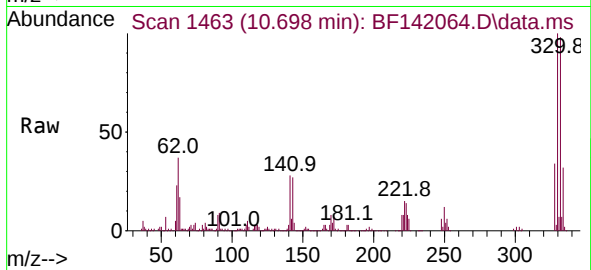
Lab File: BF142064.D

Acq: 24 Mar 2025 19:53

Instrument :

BNA_F

ClientSampleId :



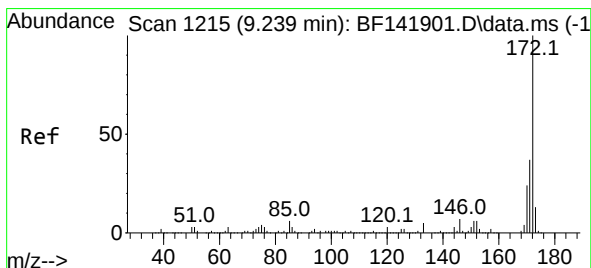
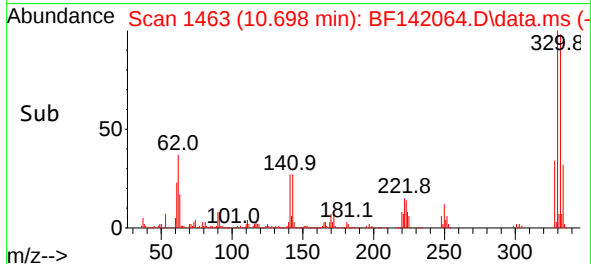
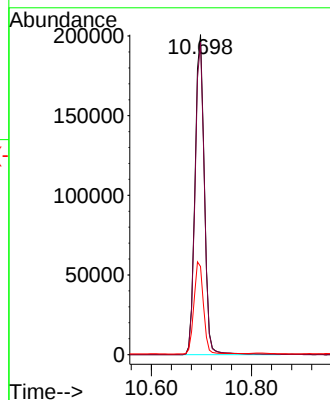
Tgt Ion:330 Resp: 258384

Ion Ratio Lower Upper

330 100

332 96.9 77.6 116.4

141 29.6 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 85.291 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.012 min

Lab File: BF142064.D

Acq: 24 Mar 2025 19:53

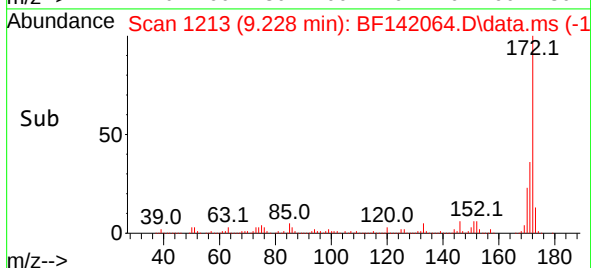
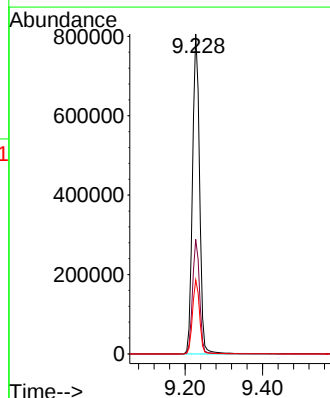
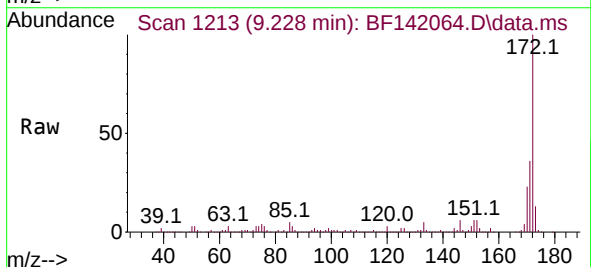
Tgt Ion:172 Resp: 1021571

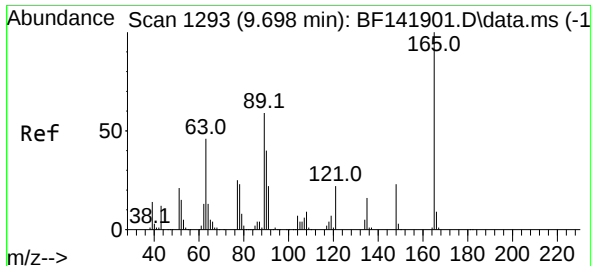
Ion Ratio Lower Upper

172 100

171 35.8 29.3 43.9

170 23.1 19.4 29.0

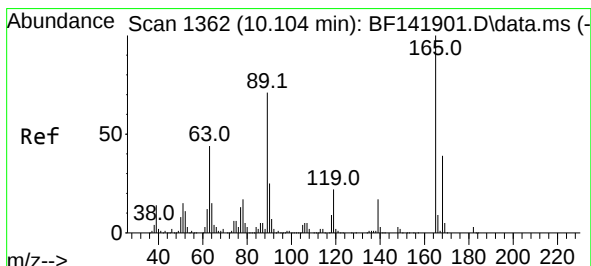
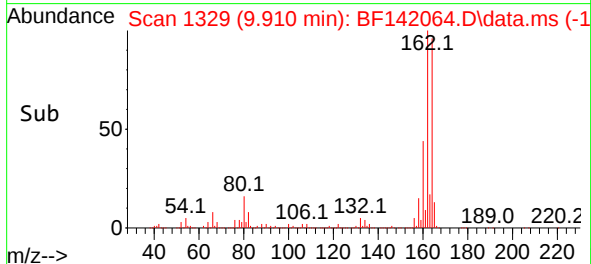
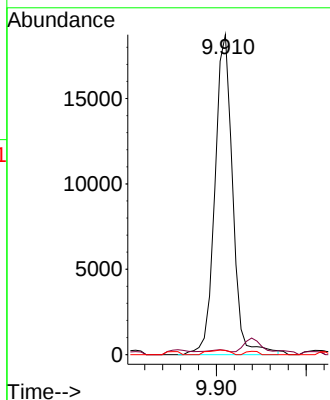
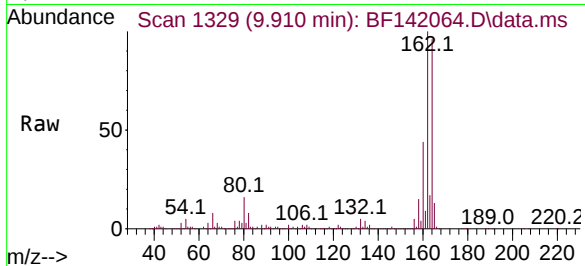




#51
2,6-Dinitrotoluene
Concen: 9.700 ng
RT: 9.910 min Scan# 1329
Delta R.T. 0.212 min
Lab File: BF142064.D
Acq: 24 Mar 2025 19:53

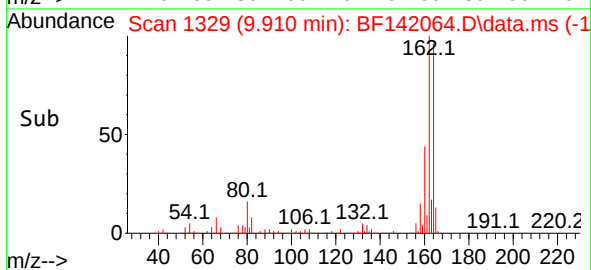
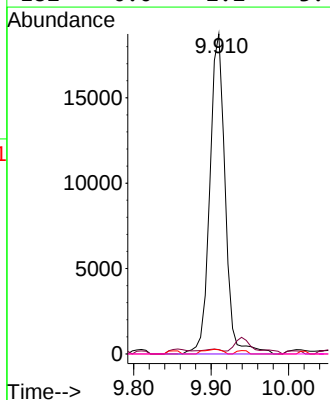
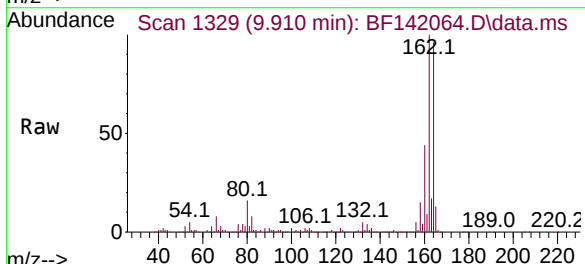
Instrument :
BNA_F
ClientSampleId :

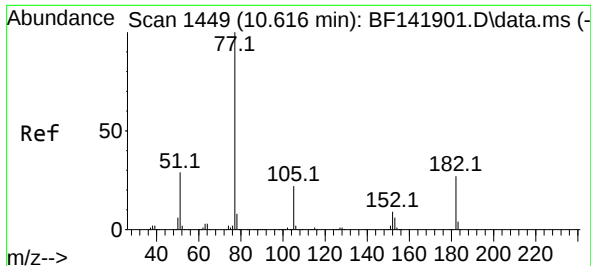
Tgt Ion:165 Resp: 25762
Ion Ratio Lower Upper
165 100
63 1.3 47.0 70.4#
89 1.3 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 7.447 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.194 min
Lab File: BF142064.D
Acq: 24 Mar 2025 19:53

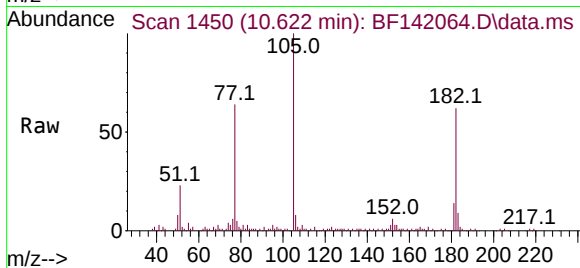
Tgt Ion:165 Resp: 25832
Ion Ratio Lower Upper
165 100
63 1.3 35.4 53.2#
89 1.3 56.6 84.8#
182 0.0 2.2 3.4#



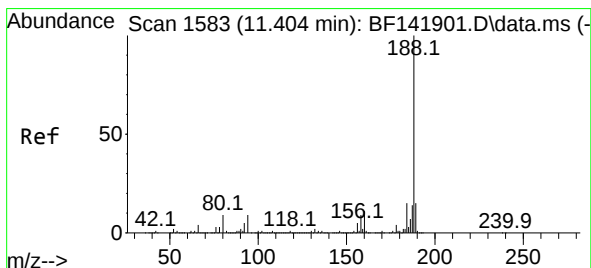
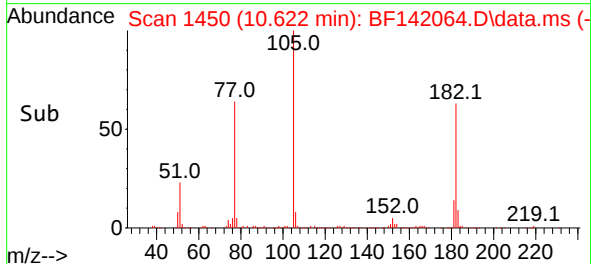
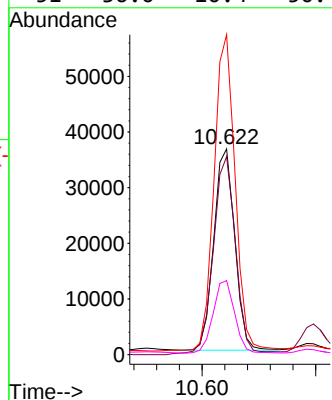


#63
Azobenzene
Concen: 3.927 ng
RT: 10.622 min Scan# 1449
Delta R.T. 0.006 min
Lab File: BF142064.D
Acq: 24 Mar 2025 19:53

Instrument :
BNA_F
ClientSampleId :

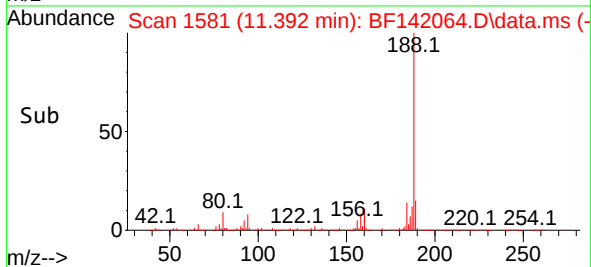
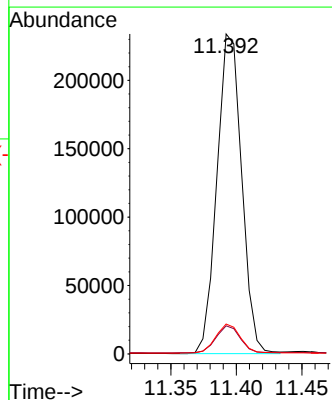
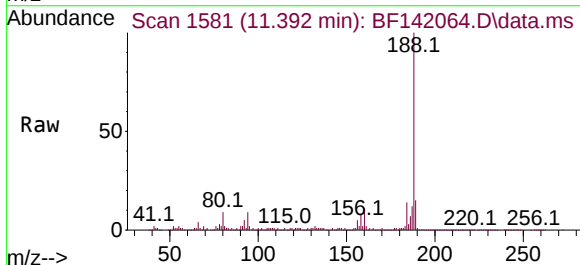


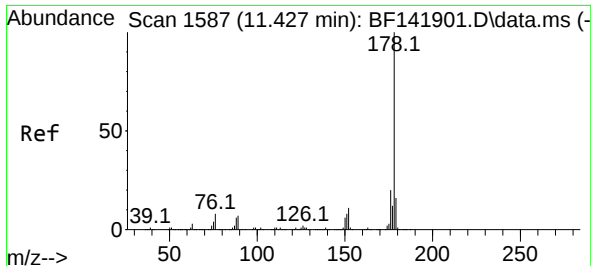
Tgt Ion: 77 Resp: 46440
Ion Ratio Lower Upper
77 100
182 96.3 6.6 46.6#
105 155.6 1.3 41.3#
51 36.0 10.4 50.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF142064.D
Acq: 24 Mar 2025 19:53

Tgt Ion: 188 Resp: 306975
Ion Ratio Lower Upper
188 100
94 8.8 6.8 10.2
80 9.3 7.6 11.4

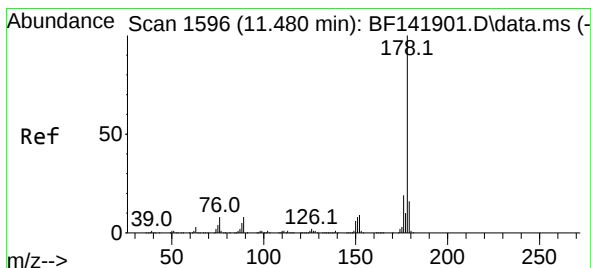
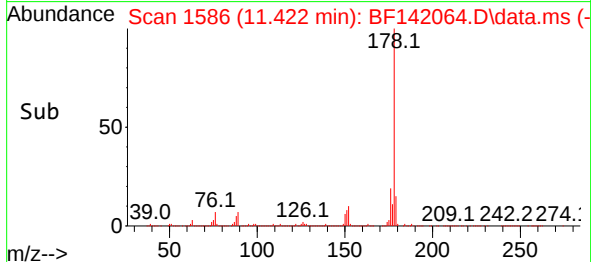
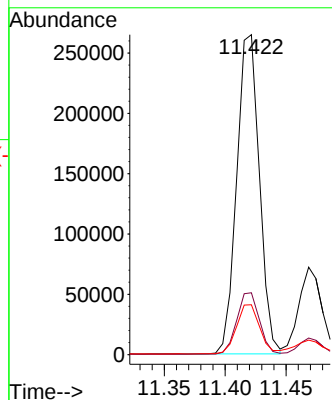
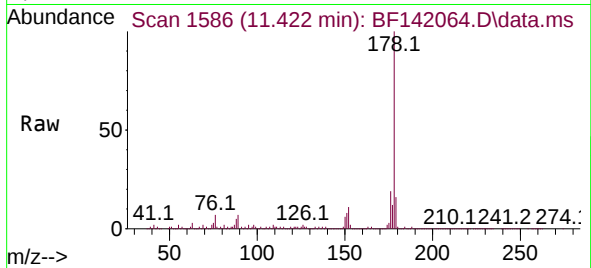




#71
Phenanthrene
Concen: 20.686 ng
RT: 11.422 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF142064.D
Acq: 24 Mar 2025 19:53

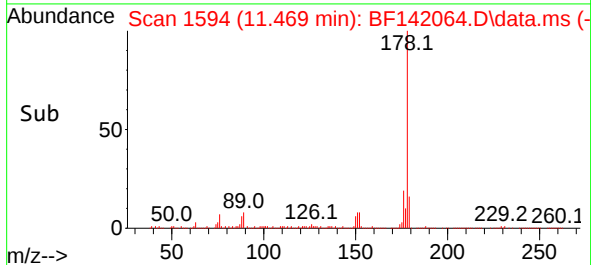
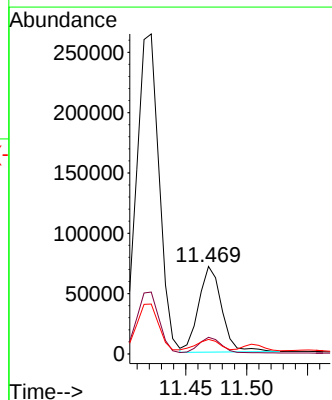
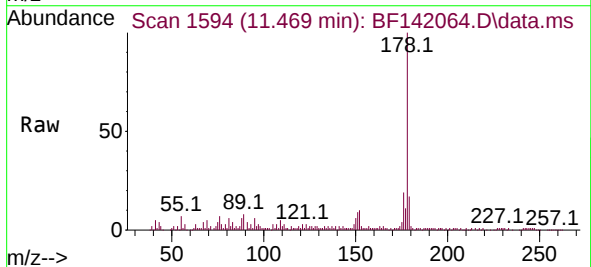
Instrument :
BNA_F
ClientSampleId :

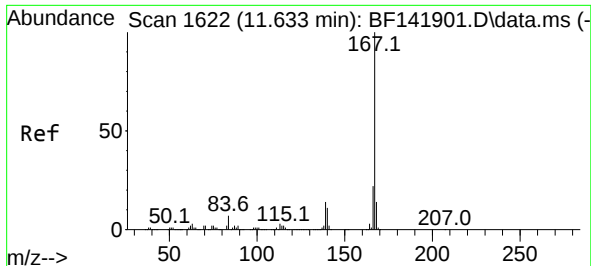
Tgt Ion	178	176	179
Resp:	342983		
Ion Ratio	100	19.3	15.6
Lower		15.8	12.6
Upper		23.8	19.0



#72
Anthracene
Concen: 5.664 ng
RT: 11.469 min Scan# 1594
Delta R.T. -0.012 min
Lab File: BF142064.D
Acq: 24 Mar 2025 19:53

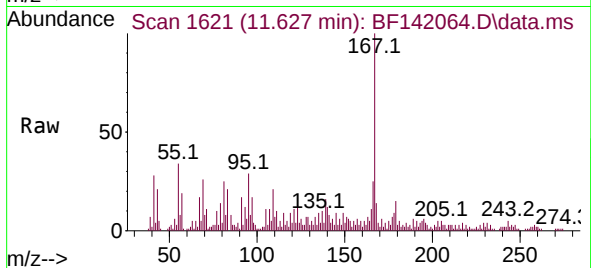
Tgt Ion	178	176	179
Resp:	94213		
Ion Ratio	100	19.0	16.6
Lower		15.1	12.6
Upper		22.7	19.0



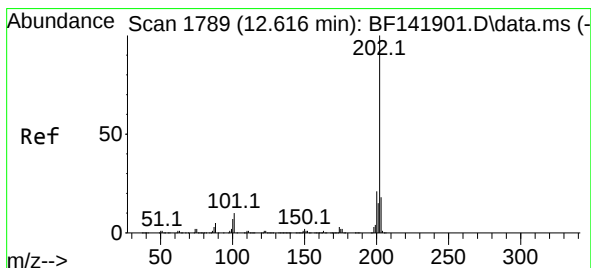
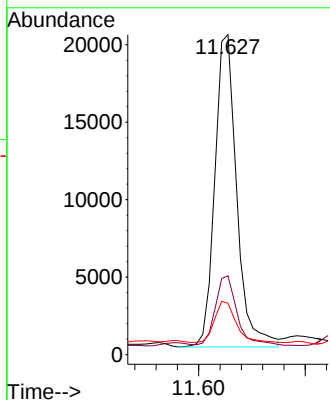
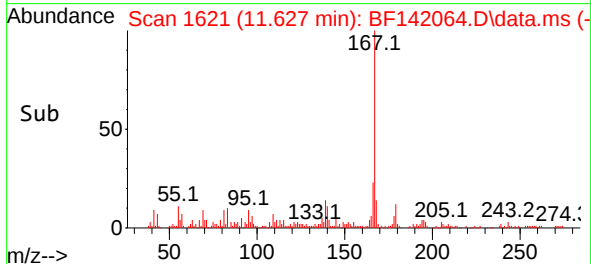


#73
 Carbazole
 Concen: 2.012 ng
 RT: 11.627 min Scan# 1621
 Delta R.T. -0.006 min
 Lab File: BF142064.D
 Acq: 24 Mar 2025 19:53

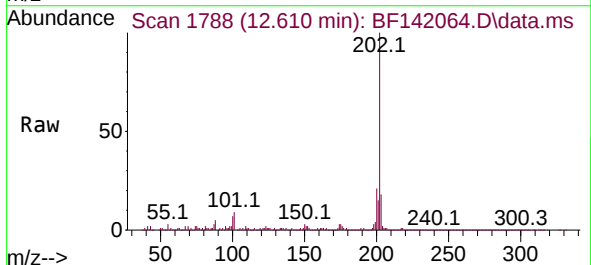
Instrument :
 BNA_F
 ClientSampleId :



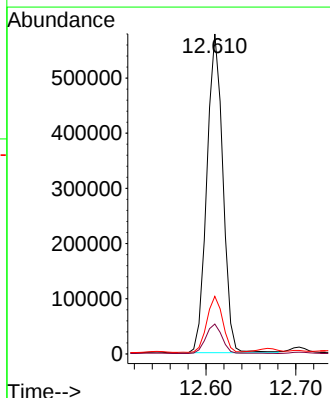
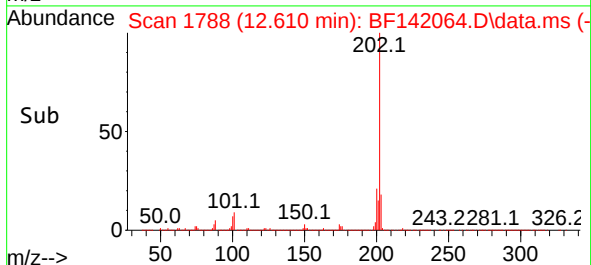
Tgt Ion:167 Resp: 28870
 Ion Ratio Lower Upper
 167 100
 166 24.6 17.4 26.2
 139 16.1 11.0 16.6

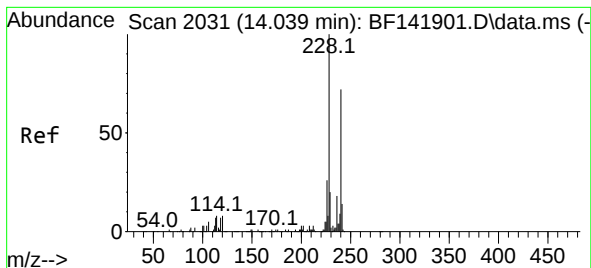


#75
 Fluoranthene
 Concen: 40.821 ng
 RT: 12.610 min Scan# 1788
 Delta R.T. -0.006 min
 Lab File: BF142064.D
 Acq: 24 Mar 2025 19:53



Tgt Ion:202 Resp: 717968
 Ion Ratio Lower Upper
 202 100
 101 9.3 0.0 29.7
 203 18.0 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2031

Delta R.T. 0.000 min

Lab File: BF142064.D

Acq: 24 Mar 2025 19:53

Instrument :

BNA_F

ClientSampleId :

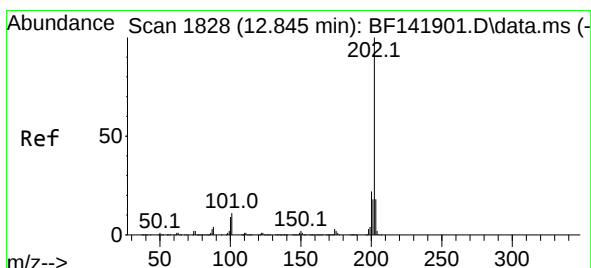
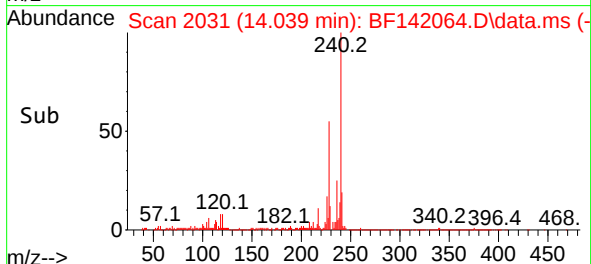
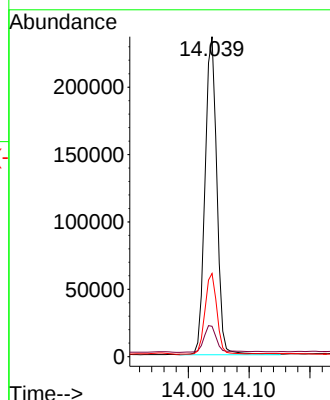
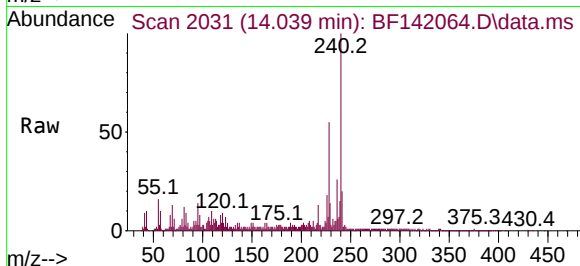
Tgt Ion:240 Resp: 317887

Ion Ratio Lower Upper

240 100

120 9.5 8.4 12.6

236 26.0 20.5 30.7



#78

Pyrene

Concen: 24.072 ng

RT: 12.839 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF142064.D

Acq: 24 Mar 2025 19:53

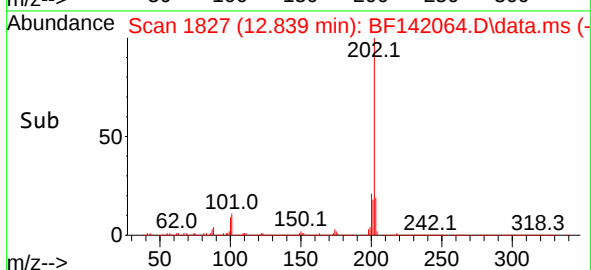
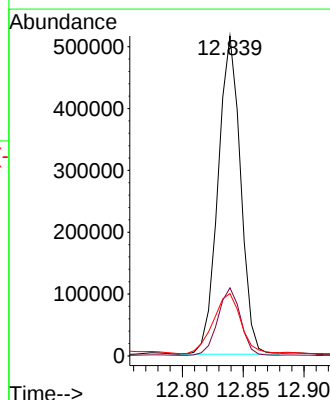
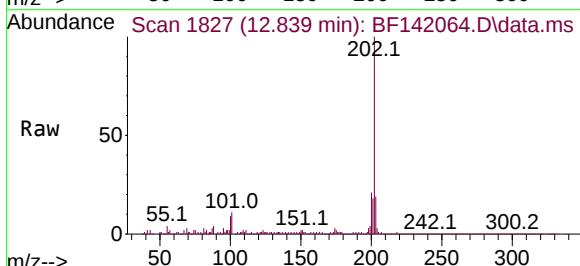
Tgt Ion:202 Resp: 661927

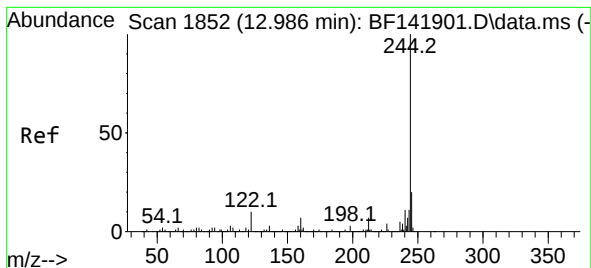
Ion Ratio Lower Upper

202 100

200 21.3 17.3 25.9

203 19.5 14.4 21.6





#79

Terphenyl-d14

Concen: 61.383 ng

RT: 12.980 min Scan# 1852

Delta R.T. -0.006 min

Lab File: BF142064.D

Acq: 24 Mar 2025 19:53

Instrument :

BNA_F

ClientSampleId :

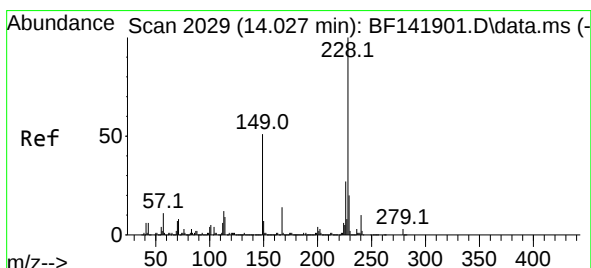
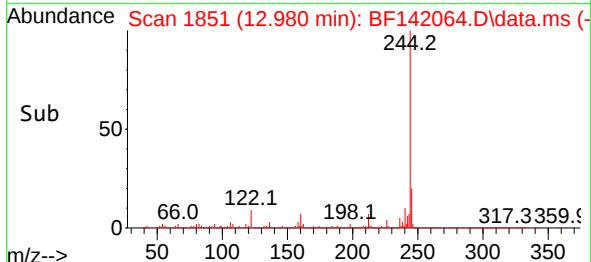
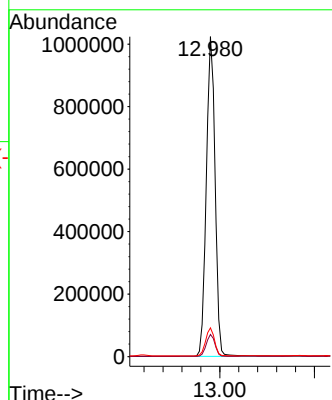
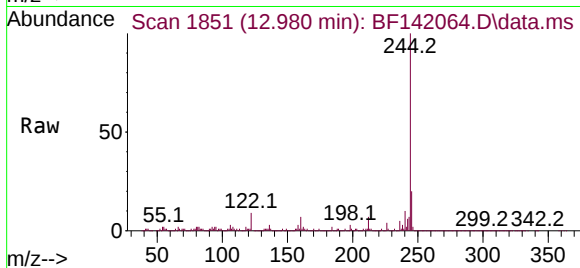
Tgt Ion:244 Resp: 1319807

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

122 9.0 7.7 11.5



#81

Benzo(a)anthracene

Concen: 18.925 ng

RT: 14.027 min Scan# 2029

Delta R.T. 0.000 min

Lab File: BF142064.D

Acq: 24 Mar 2025 19:53

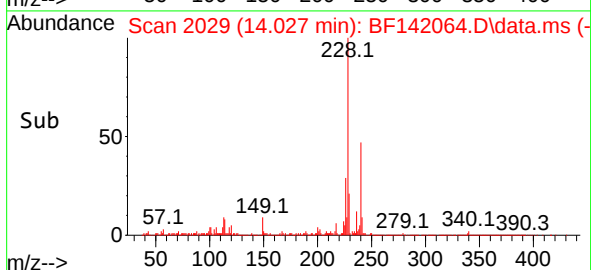
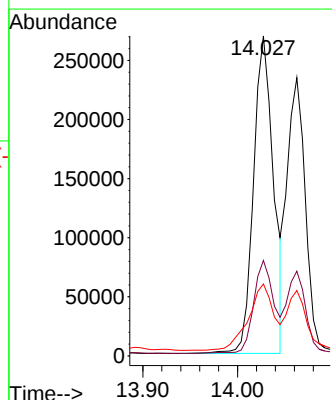
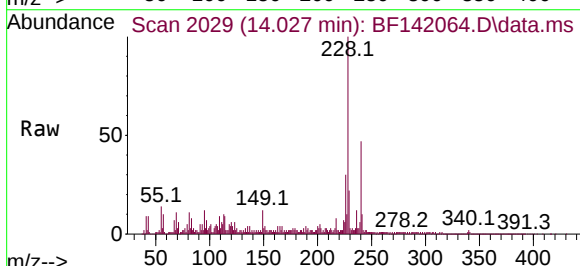
Tgt Ion:228 Resp: 394783

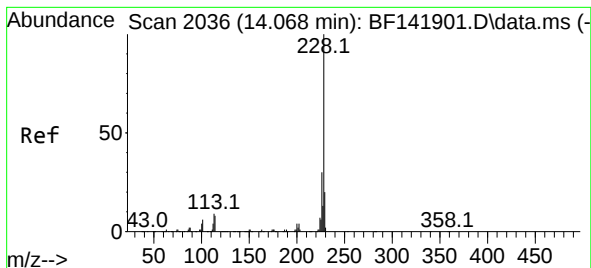
Ion Ratio Lower Upper

228 100

226 29.8 21.8 32.8

229 22.5 16.0 24.0





#83

Chrysene

Concen: 16.492 ng

RT: 14.063 min Scan# 2036

Delta R.T. -0.006 min

Lab File: BF142064.D

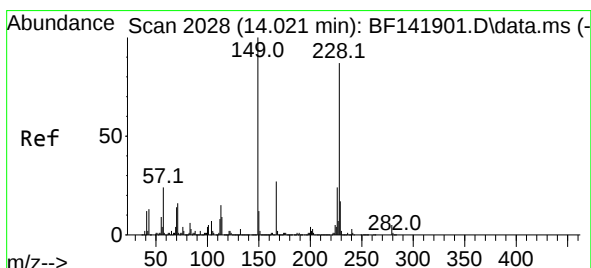
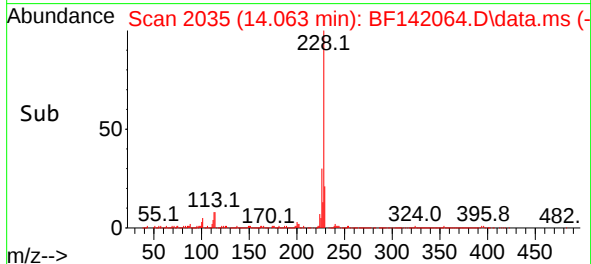
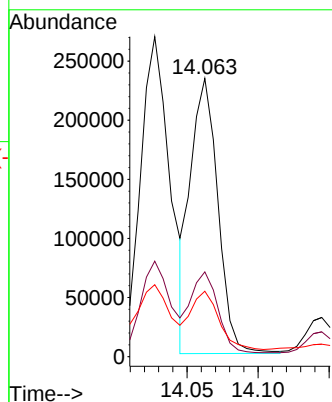
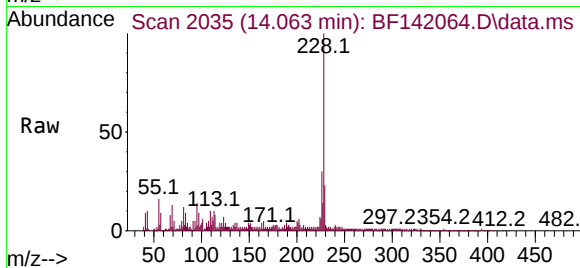
Acq: 24 Mar 2025 19:53

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:228	Resp: 311853
Ion Ratio	Lower Upper
228 100	
226 30.4	24.1 36.1
229 23.5	15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.933 ng

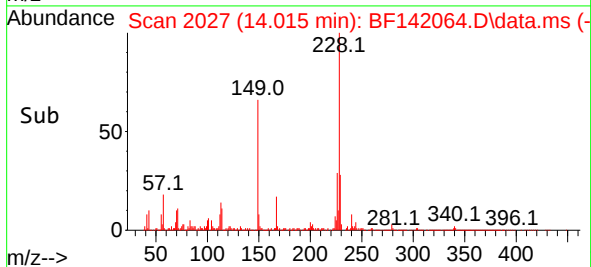
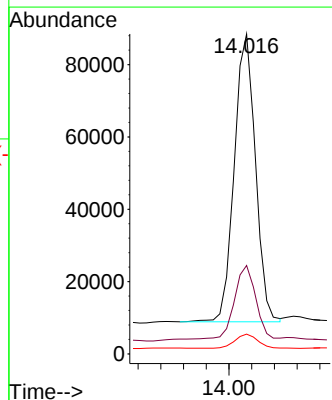
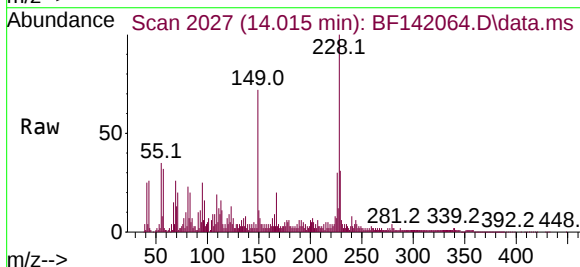
RT: 14.015 min Scan# 2027

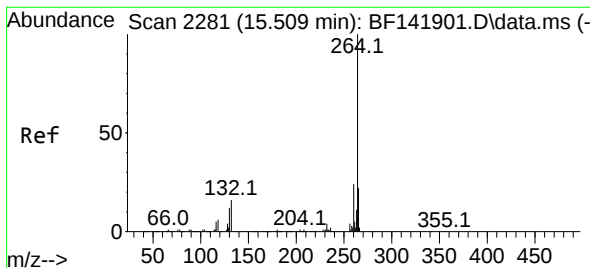
Delta R.T. -0.006 min

Lab File: BF142064.D

Acq: 24 Mar 2025 19:53

Tgt Ion:149	Resp: 102882
Ion Ratio	Lower Upper
149 100	
167 27.6	21.4 32.0
279 6.2	3.8 5.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.515 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF142064.D

Acq: 24 Mar 2025 19:53

Instrument :

BNA_F

ClientSampleId :

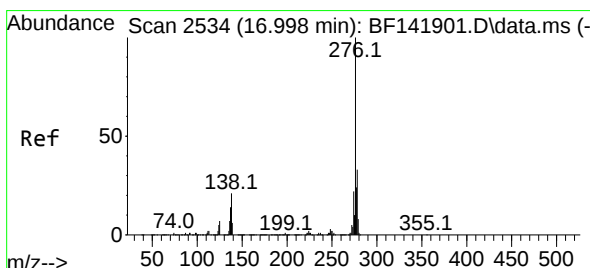
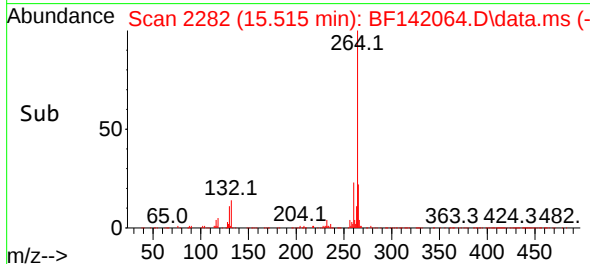
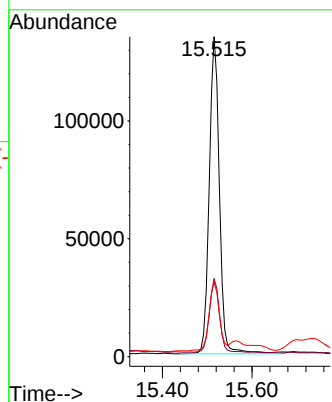
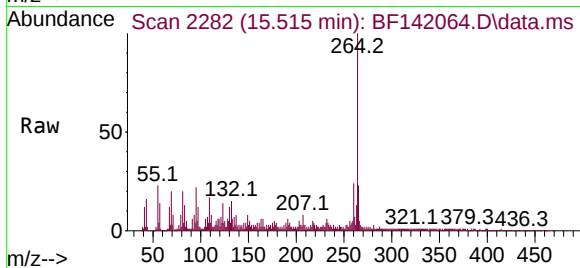
Tgt Ion:264 Resp: 212254

Ion Ratio Lower Upper

264 100

260 24.3 19.1 28.7

265 23.2 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 9.963 ng

RT: 17.004 min Scan# 2535

Delta R.T. 0.006 min

Lab File: BF142064.D

Acq: 24 Mar 2025 19:53

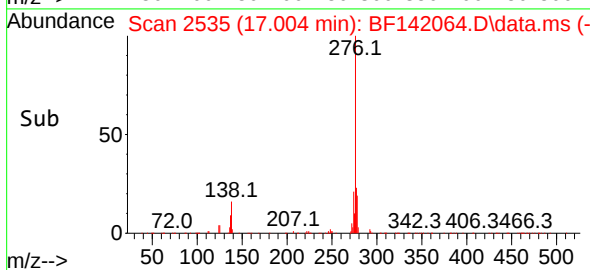
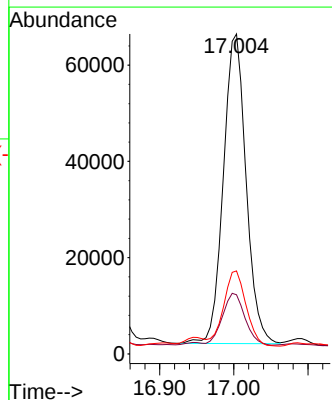
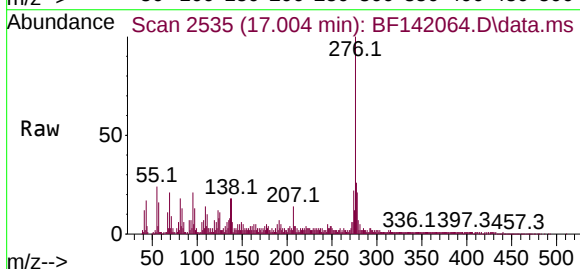
Tgt Ion:276 Resp: 136796

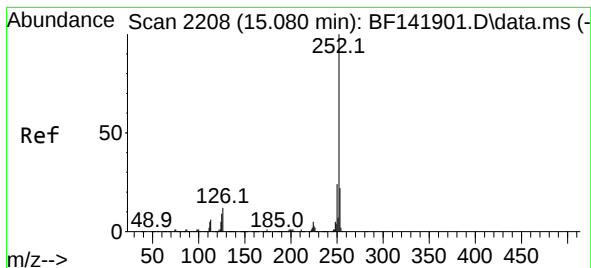
Ion Ratio Lower Upper

276 100

138 16.6 18.4 27.6#

277 24.0 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 30.505 ng

RT: 15.080 min Scan# 2208

Delta R.T. 0.000 min

Lab File: BF142064.D

Acq: 24 Mar 2025 19:53

Instrument :

BNA_F

ClientSampleId :

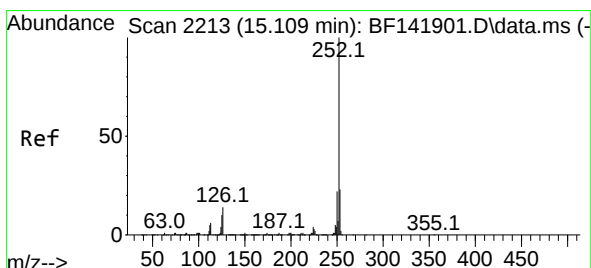
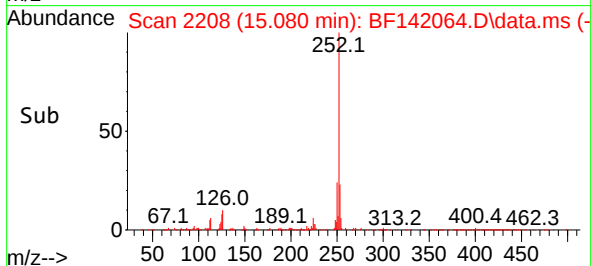
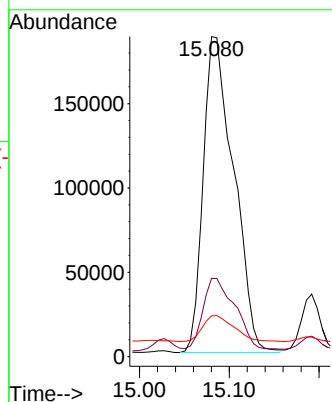
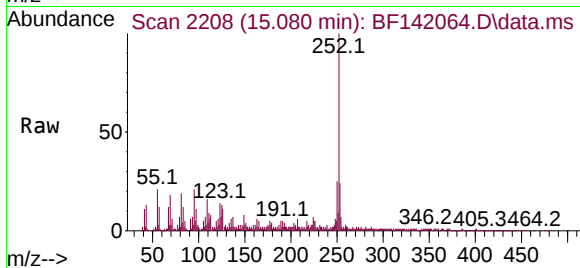
Tgt Ion:252 Resp: 443750

Ion Ratio Lower Upper

252 100

253 24.4 17.5 26.3

125 12.7 7.0 10.4#



#89

Benzo(k)fluoranthene

Concen: 35.646 ng

RT: 15.080 min Scan# 2208

Delta R.T. -0.029 min

Lab File: BF142064.D

Acq: 24 Mar 2025 19:53

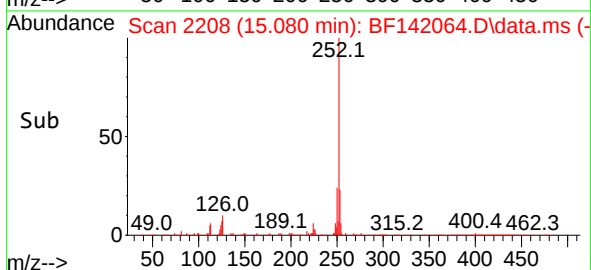
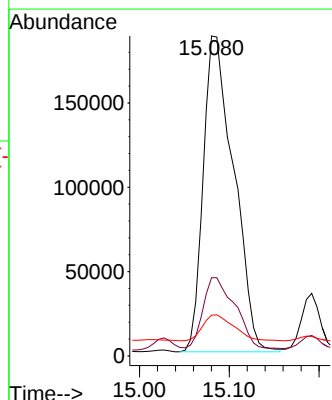
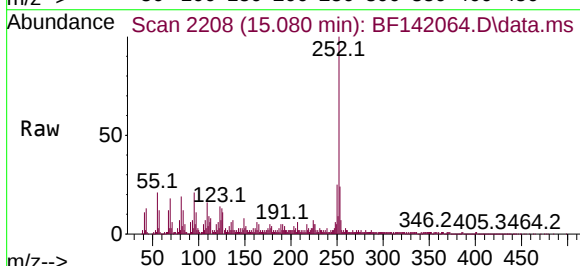
Tgt Ion:252 Resp: 443750

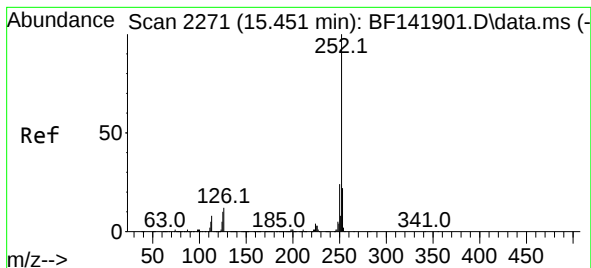
Ion Ratio Lower Upper

252 100

253 24.4 17.7 26.5

125 12.7 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 18.929 ng

RT: 15.451 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF142064.D

Acq: 24 Mar 2025 19:53

Instrument :

BNA_F

ClientSampleId :

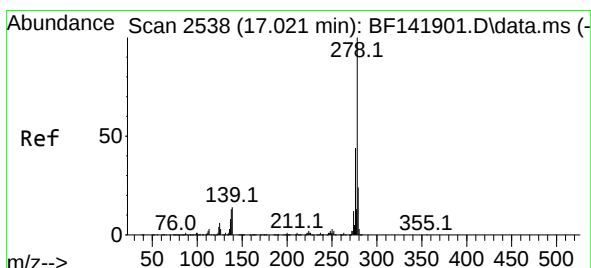
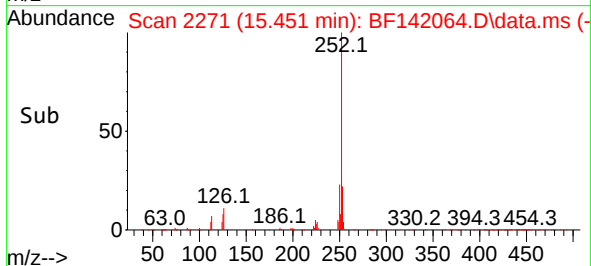
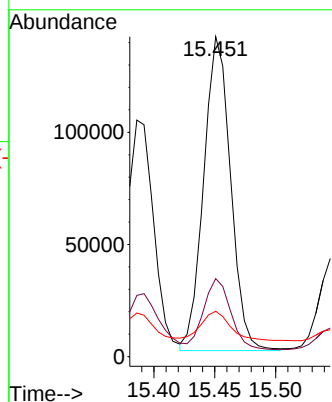
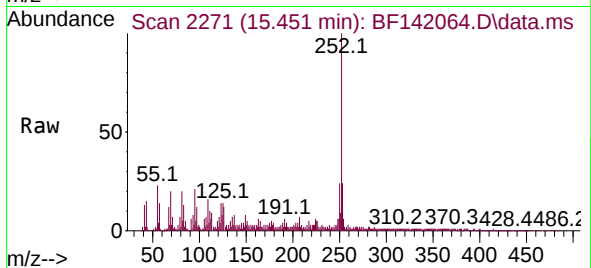
Tgt Ion:252 Resp: 215459

Ion Ratio Lower Upper

252 100

253 24.4 17.4 26.0

125 14.2 7.8 11.8#



#91

Dibenzo(a,h)anthracene

Concen: 2.917 ng

RT: 17.009 min Scan# 2536

Delta R.T. -0.012 min

Lab File: BF142064.D

Acq: 24 Mar 2025 19:53

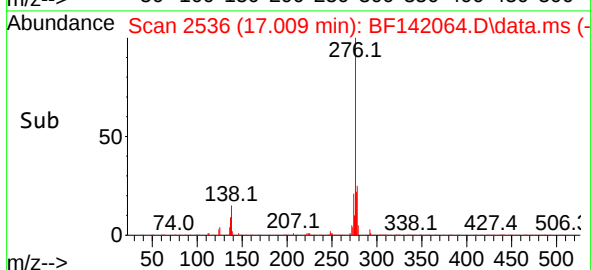
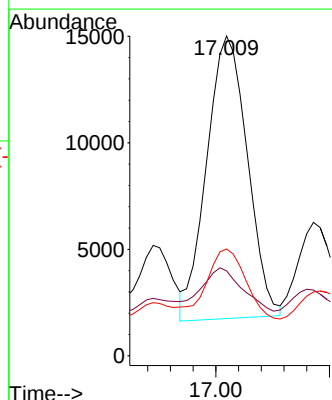
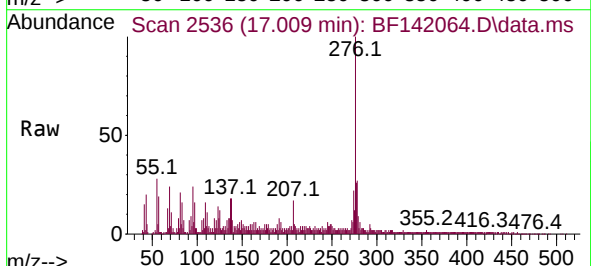
Tgt Ion:278 Resp: 33040

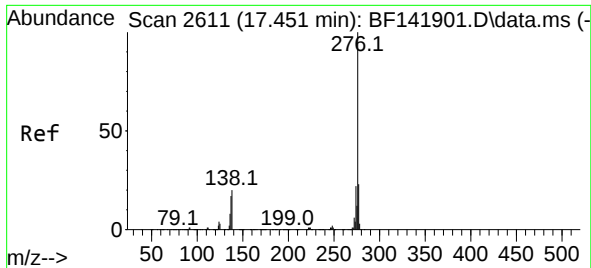
Ion Ratio Lower Upper

278 100

139 26.6 11.4 17.2#

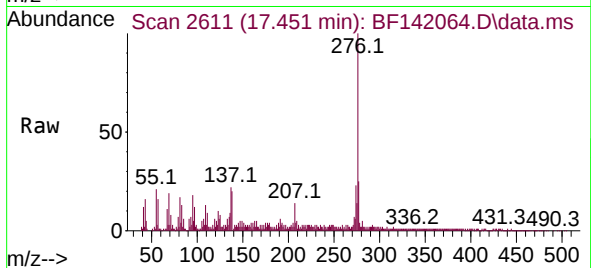
279 33.4 18.8 28.2#





#92
 Benzo(g,h,i)perylene
 Concen: 12.986 ng
 RT: 17.451 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: BF142064.D
 Acq: 24 Mar 2025 19:53

Instrument :
 BNA_F
 ClientSampleId :



Tgt Ion:	276	Resp:	145375
Ion Ratio	Lower	Upper	
276	100		
277	25.4	18.7	28.1
138	19.8	15.8	23.8

