

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032125\
 Data File : BF142030.D
 Acq On : 21 Mar 2025 15:22
 Operator : RC/JU
 Sample : Q1619-09
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Quant Time: Mar 21 15:44:43 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

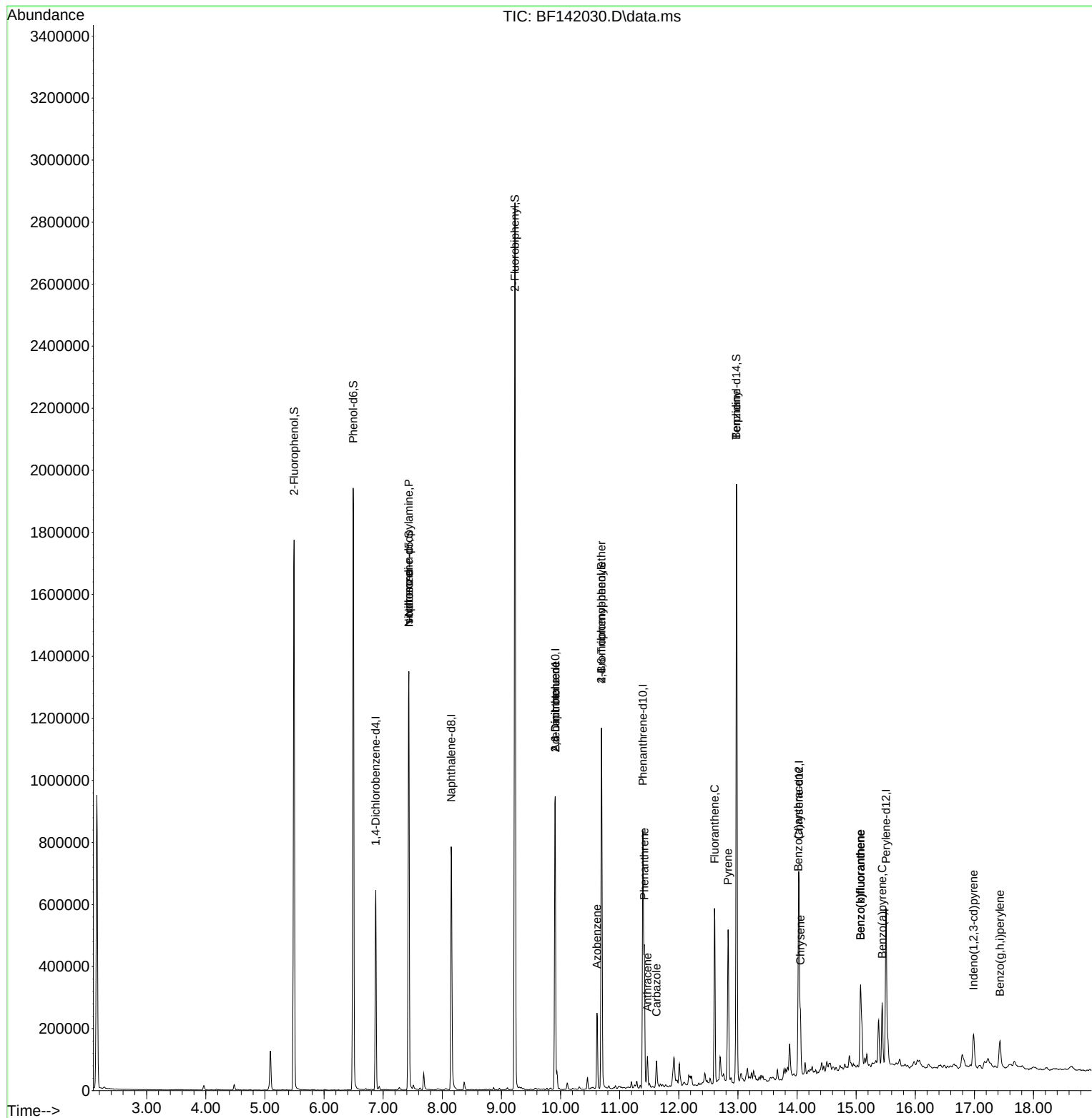
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	138754	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	524701	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	295153	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	424358	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	253313	20.000	ng	0.00
86) Perylene-d12	15.504	264	311167	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	697238	83.865	ng	0.00
7) Phenol-d6	6.493	99	952159	89.951	ng	-0.01
23) Nitrobenzene-d5	7.434	82	631094	67.687	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	210071	56.103	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	1257465	64.792	ng	-0.01
79) Terphenyl-d14	12.975	244	995216	58.085	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	85899	12.629	ng	# 77
25) Isophorone	7.434	82	623835	37.851	ng	# 64
51) 2,6-Dinitrotoluene	9.910	165	38078	8.848	ng	# 23
57) 2,4-Dinitrotoluene	9.910	165	38078	6.775	ng	# 24
63) Azobenzene	10.616	77	61174	3.193	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	13230	2.482	ng	# 1
71) Phenanthrene	11.416	178	233585	10.191	ng	98
72) Anthracene	11.469	178	59433	2.585	ng	98
73) Carbazole	11.622	167	42321	2.134	ng	99
75) Fluoranthene	12.604	202	335606	13.803	ng	99
77) Benzidine	12.975	184	13710	3.879	ng	# 90
78) Pyrene	12.833	202	288302	13.157	ng	98
81) Benzo(a)anthracene	14.022	228	128558	7.734	ng	99
83) Chrysene	14.057	228	107189	7.114	ng	96
87) Indeno(1,2,3-cd)pyrene	16.986	276	84731	4.209	ng	96
88) Benzo(b)fluoranthene	15.074	252	237216	11.123	ng	98
89) Benzo(k)fluoranthene	15.074	252	237216	12.998	ng	98
90) Benzo(a)pyrene	15.439	252	127601	7.647	ng	98
92) Benzo(g,h,i)perylene	17.433	276	85874	5.232	ng	99

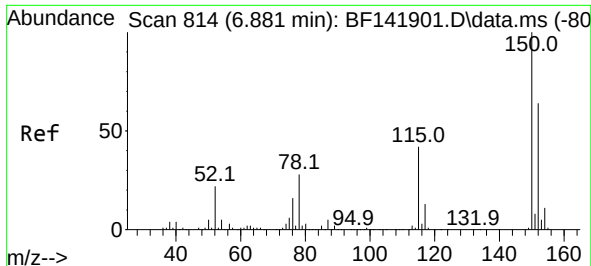
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032125\
Data File : BF142030.D
Acq On : 21 Mar 2025 15:22
Operator : RC/JU
Sample : Q1619-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3

Quant Time: Mar 21 15:44:43 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

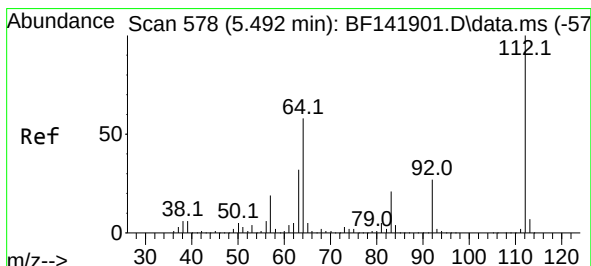
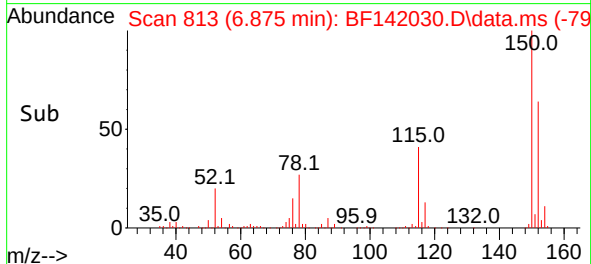
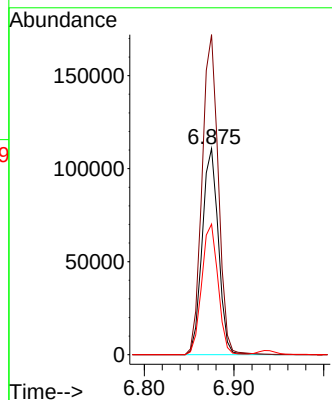
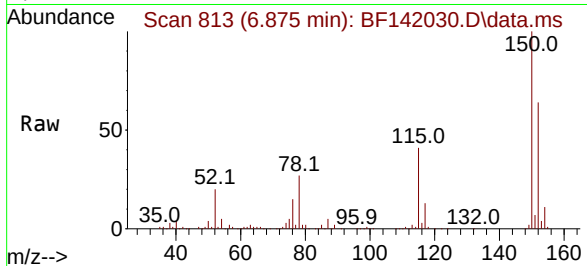




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF142030.D
Acq: 21 Mar 2025 15:22

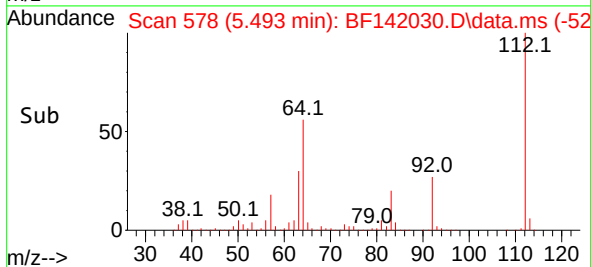
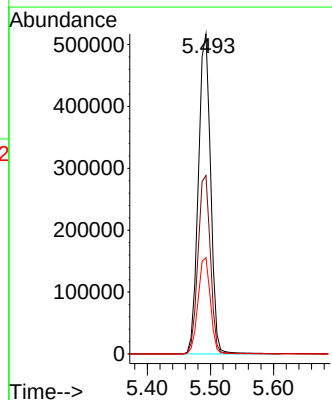
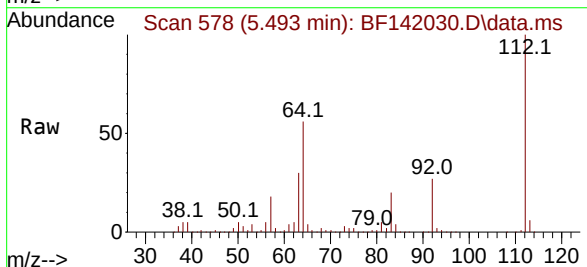
Instrument :
BNA_F
ClientSampleId :
TP-3

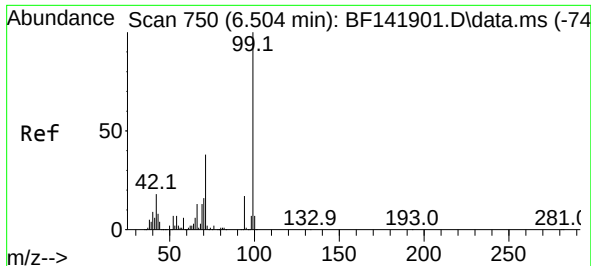
Tgt Ion:152 Resp: 138754
Ion Ratio Lower Upper
152 100
150 155.3 127.4 191.2
115 63.4 51.9 77.9



#5
2-Fluorophenol
Concen: 83.865 ng
RT: 5.493 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF142030.D
Acq: 21 Mar 2025 15:22

Tgt Ion:112 Resp: 697238
Ion Ratio Lower Upper
112 100
64 55.8 46.5 69.7
63 30.0 25.4 38.2

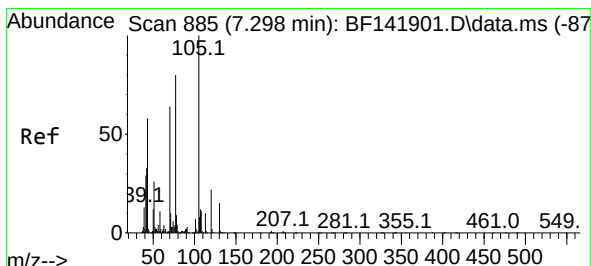
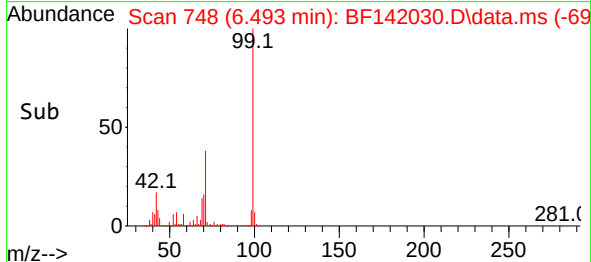
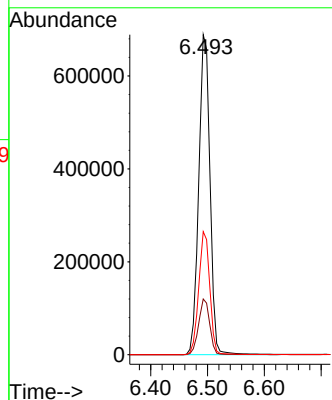
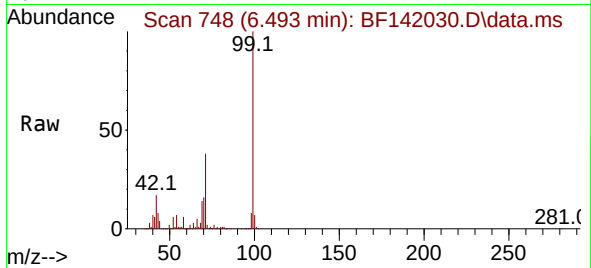




#7
Phenol-d6
Concen: 89.951 ng
RT: 6.493 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF142030.D
Acq: 21 Mar 2025 15:22

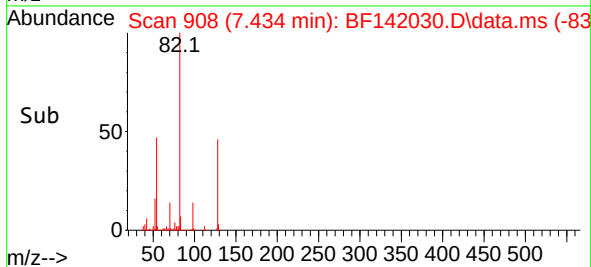
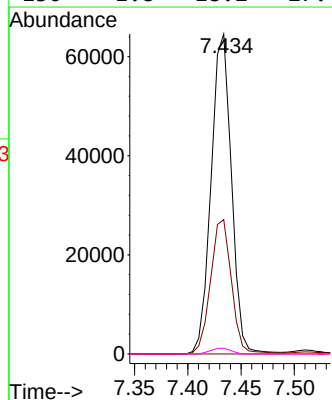
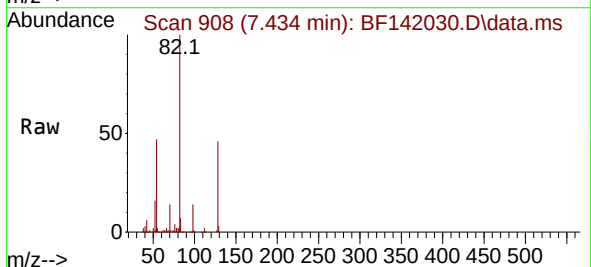
Instrument :
BNA_F
ClientSampleId :
TP-3

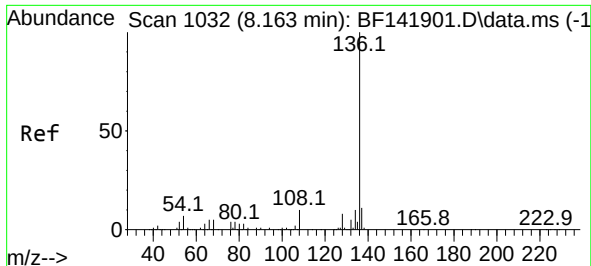
Tgt Ion: 99 Resp: 952159
Ion Ratio Lower Upper
99 100
42 17.4 14.6 21.8
71 38.4 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 12.629 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.136 min
Lab File: BF142030.D
Acq: 21 Mar 2025 15:22

Tgt Ion: 70 Resp: 85899
Ion Ratio Lower Upper
70 100
42 42.0 41.4 62.0
101 0.0 8.2 12.2#
130 1.8 18.2 27.4#



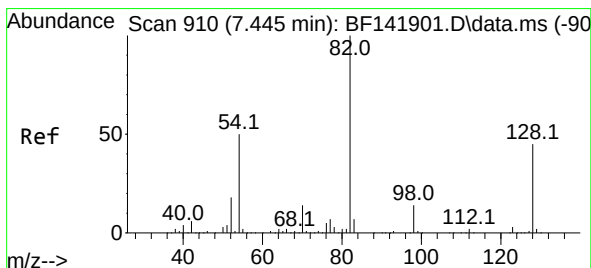
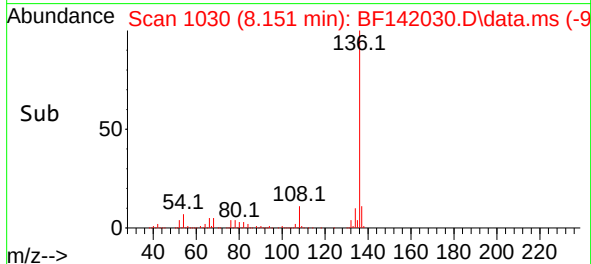
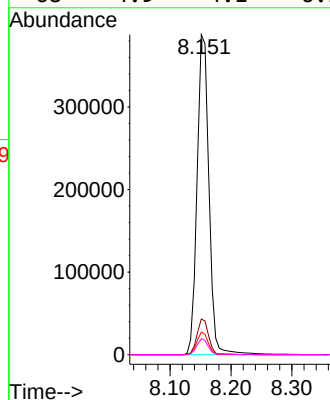
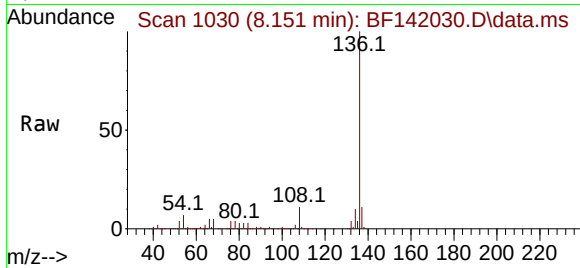


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF142030.D
Acq: 21 Mar 2025 15:22

Instrument :
BNA_F
ClientSampleId :
TP-3

Tgt Ion:136 Resp: 524701

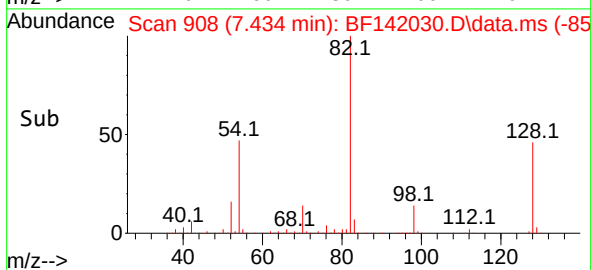
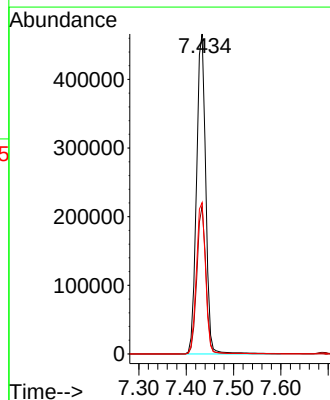
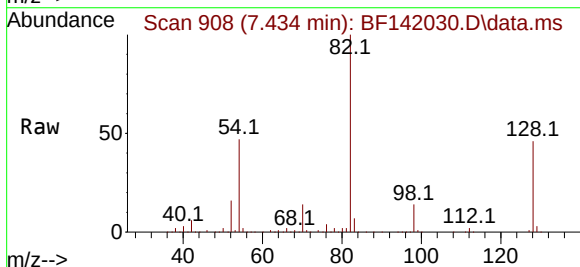
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	7.0	5.8	8.8
68	4.9	4.1	6.1

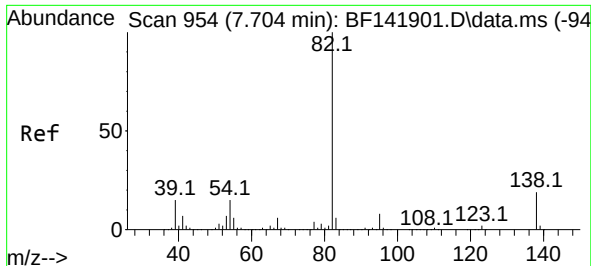


#23
Nitrobenzene-d5
Concen: 67.687 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF142030.D
Acq: 21 Mar 2025 15:22

Tgt Ion: 82 Resp: 631094

Ion	Ratio	Lower	Upper
82	100		
128	46.1	36.0	54.0
54	47.3	39.6	59.4

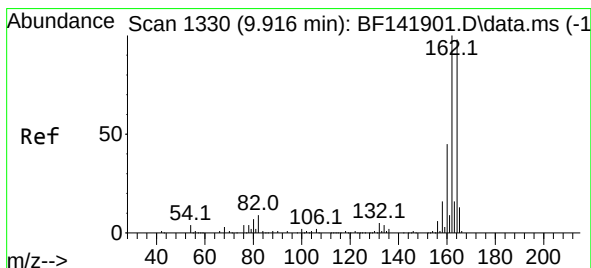
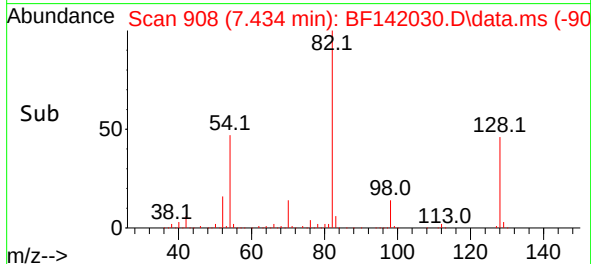
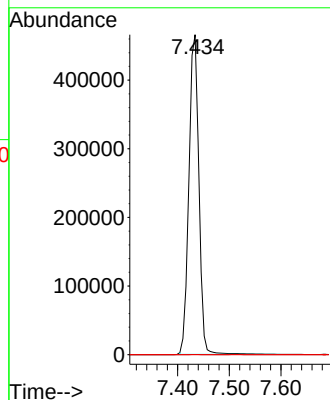
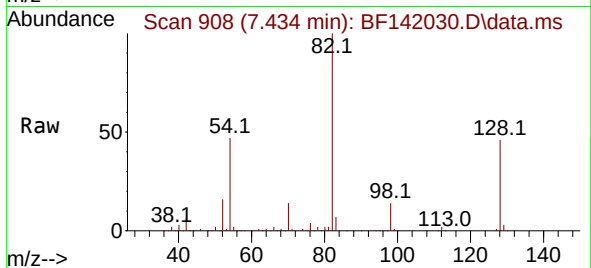




#25
Isophorone
Concen: 37.851 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.270 min
Lab File: BF142030.D
Acq: 21 Mar 2025 15:22

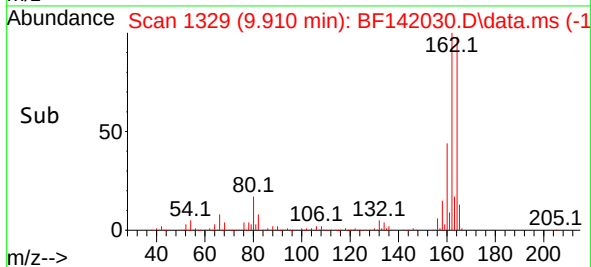
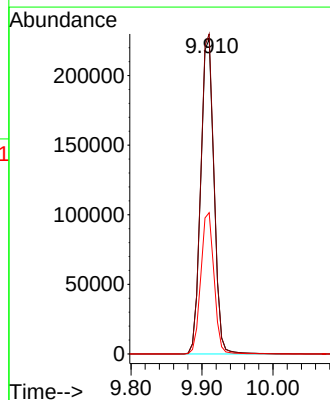
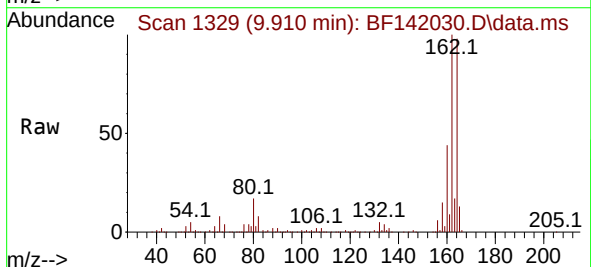
Instrument :
BNA_F
ClientSampleId :
TP-3

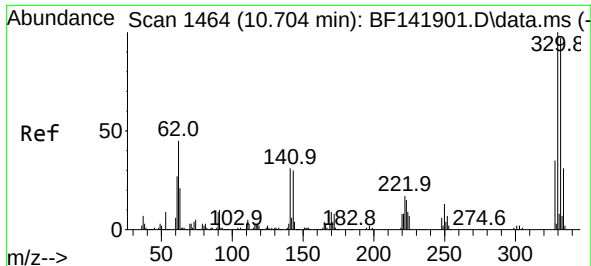
Tgt Ion: 82 Resp: 623835
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF142030.D
Acq: 21 Mar 2025 15:22

Tgt Ion:164 Resp: 295153
Ion Ratio Lower Upper
164 100
162 101.6 81.8 122.6
160 44.8 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 56.103 ng

RT: 10.692 min Scan# 1462

Delta R.T. -0.012 min

Lab File: BF142030.D

Acq: 21 Mar 2025 15:22

Instrument :

BNA_F

ClientSampleId :

TP-3

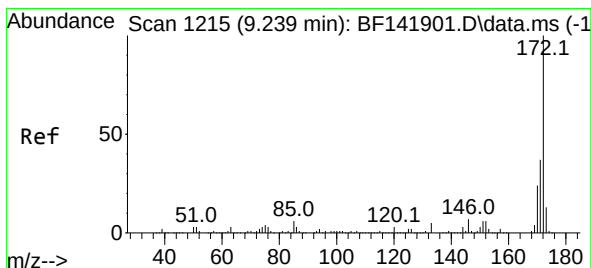
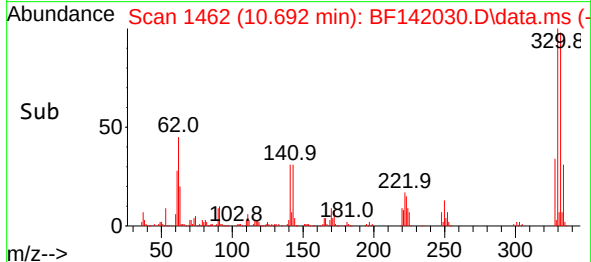
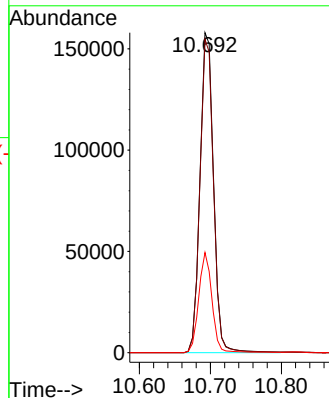
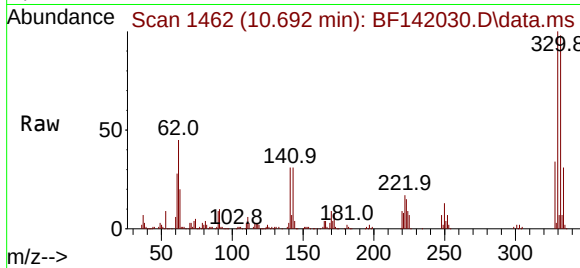
Tgt Ion:330 Resp: 210071

Ion Ratio Lower Upper

330 100

332 98.1 77.6 116.4

141 30.7 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 64.792 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.012 min

Lab File: BF142030.D

Acq: 21 Mar 2025 15:22

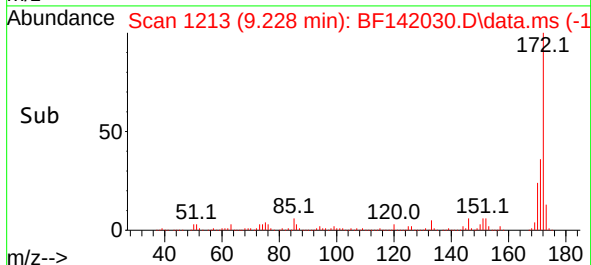
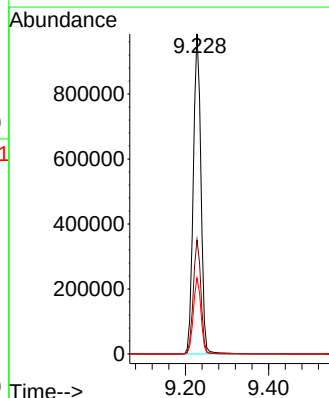
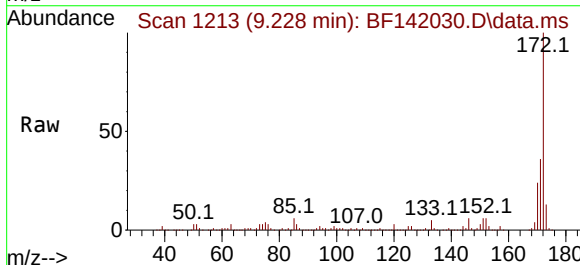
Tgt Ion:172 Resp: 1257465

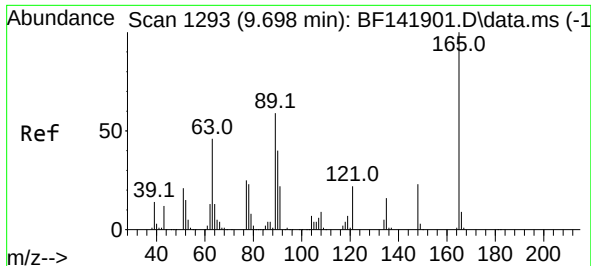
Ion Ratio Lower Upper

172 100

171 35.6 29.3 43.9

170 23.8 19.4 29.0

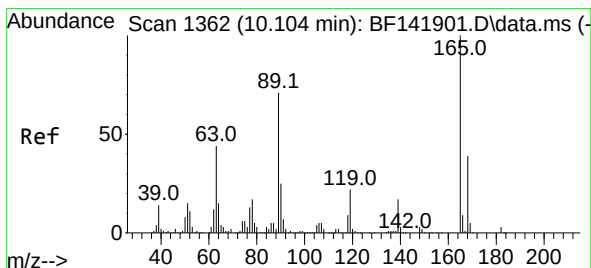
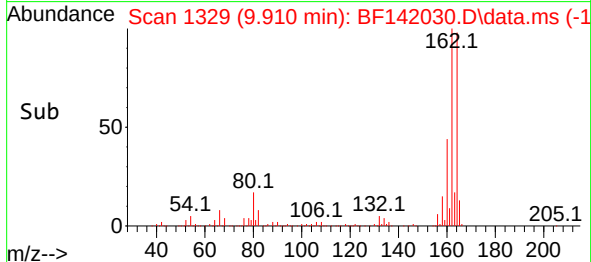
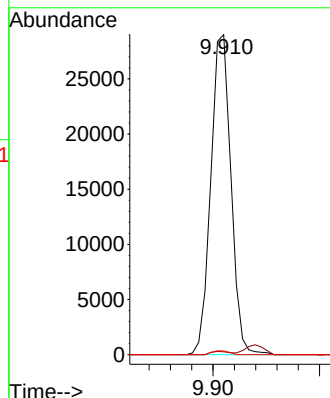
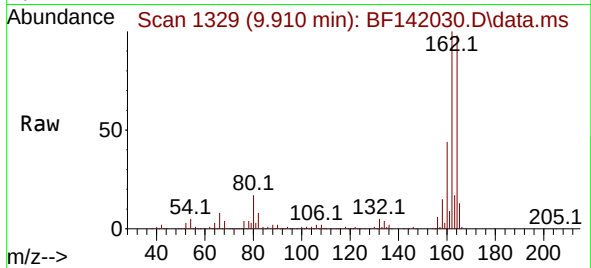




#51
2,6-Dinitrotoluene
Concen: 8.848 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF142030.D
Acq: 21 Mar 2025 15:22

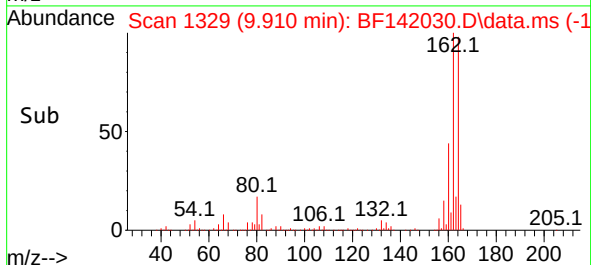
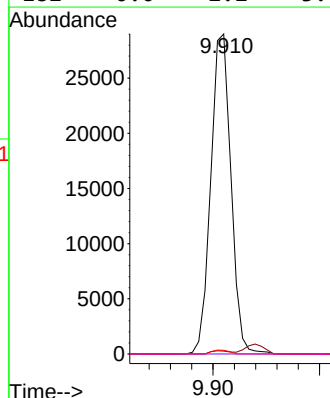
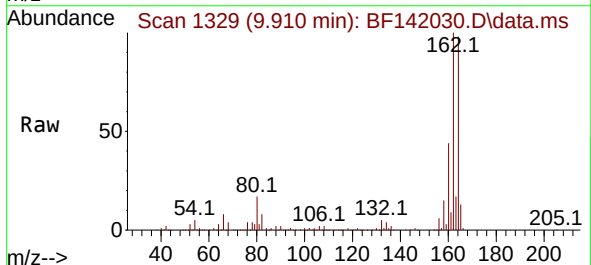
Instrument :
BNA_F
ClientSampleId :
TP-3

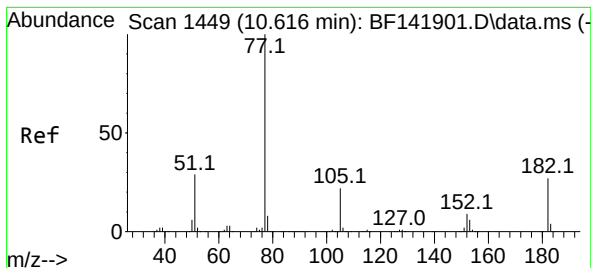
Tgt Ion:165 Resp: 38078
Ion Ratio Lower Upper
165 100
63 0.9 47.0 70.4#
89 1.2 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 6.775 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.194 min
Lab File: BF142030.D
Acq: 21 Mar 2025 15:22

Tgt Ion:165 Resp: 38078
Ion Ratio Lower Upper
165 100
63 0.9 35.4 53.2#
89 1.2 56.6 84.8#
182 0.0 2.2 3.4#





#63

Azobenzene

Concen: 3.193 ng

RT: 10.616 min Scan# 1449

Delta R.T. 0.000 min

Lab File: BF142030.D

Acq: 21 Mar 2025 15:22

Instrument :

BNA_F

ClientSampleId :

TP-3

Tgt Ion: 77 Resp: 61174

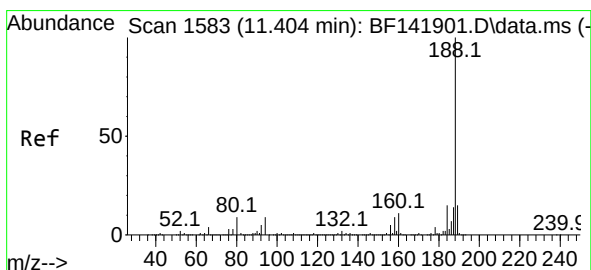
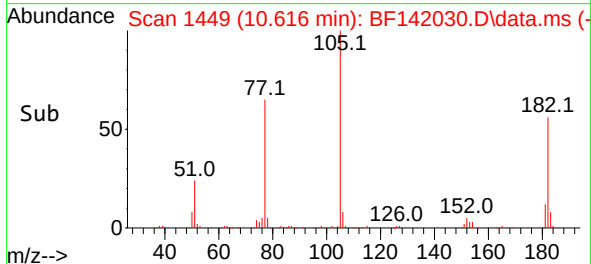
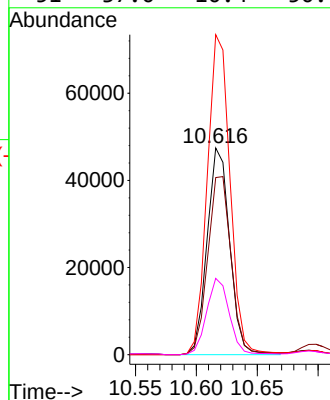
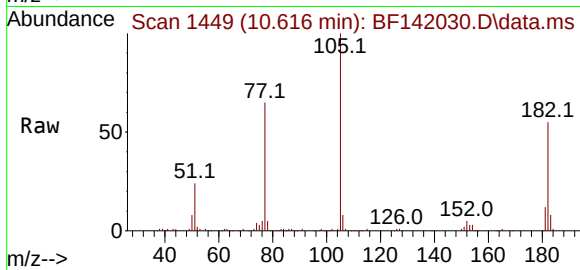
Ion Ratio Lower Upper

77 100

182 85.7 6.6 46.6#

105 154.8 1.3 41.3#

51 37.0 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: BF142030.D

Acq: 21 Mar 2025 15:22

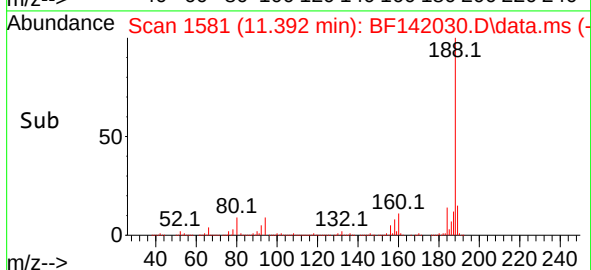
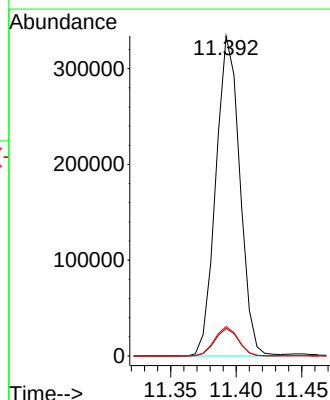
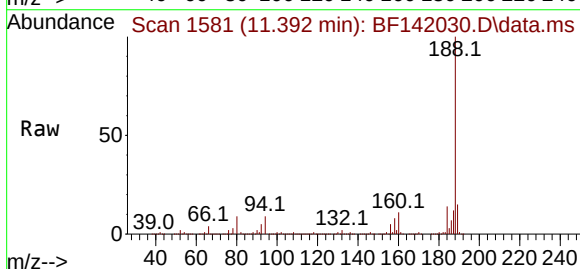
Tgt Ion:188 Resp: 424358

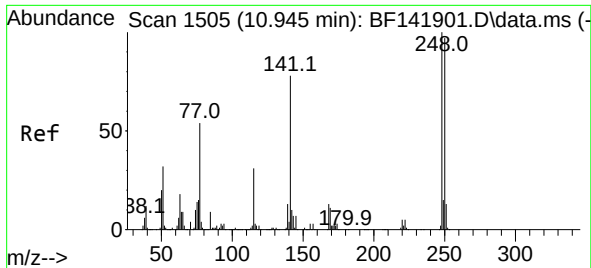
Ion Ratio Lower Upper

188 100

94 8.6 6.8 10.2

80 9.2 7.6 11.4

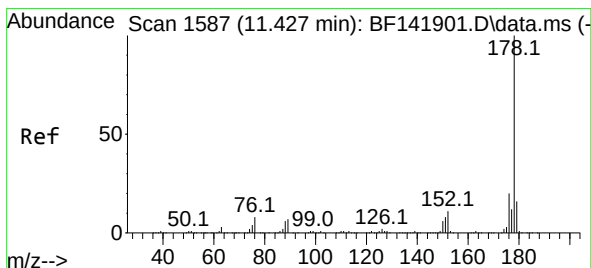
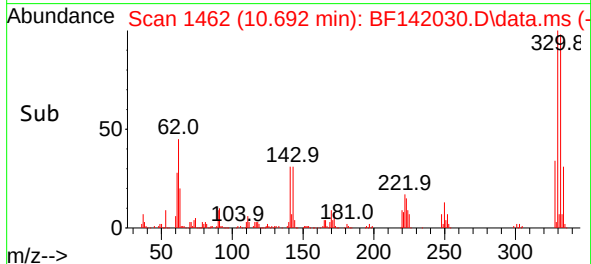
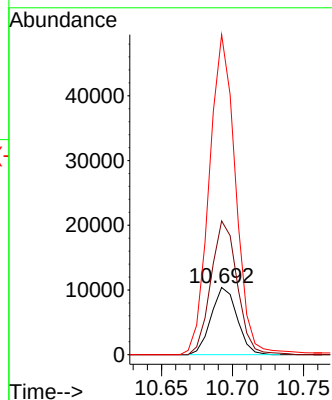
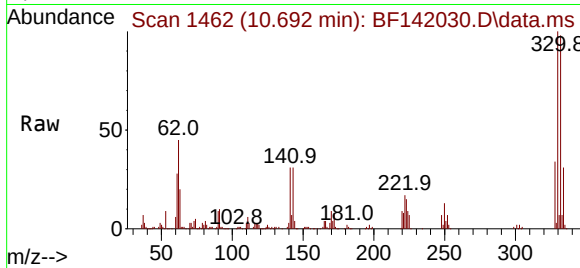




#67
4-Bromophenyl-phenylether
Concen: 2.482 ng
RT: 10.692 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF142030.D
Acq: 21 Mar 2025 15:22

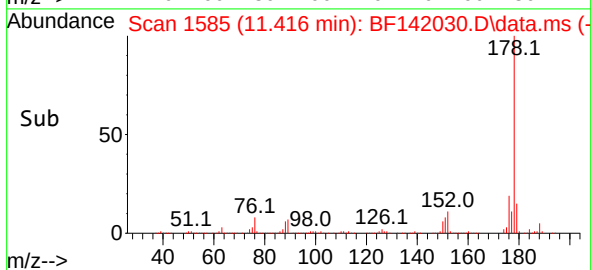
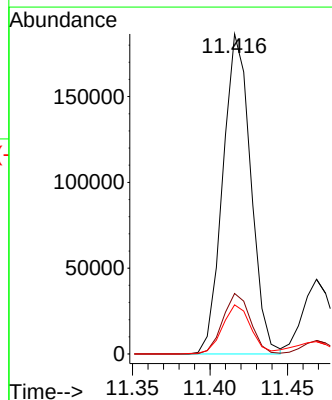
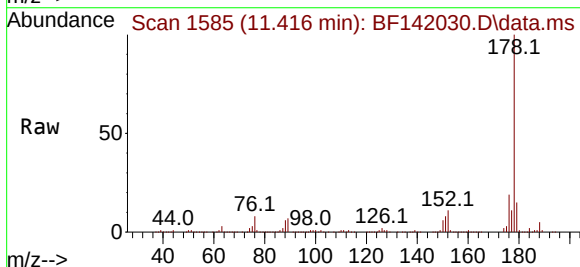
Instrument :
BNA_F
ClientSampleId :
TP-3

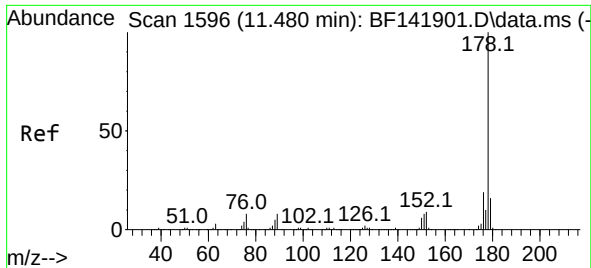
Tgt Ion:248 Resp: 13230
Ion Ratio Lower Upper
248 100
250 199.0 77.8 116.8#
141 476.1 62.6 93.8#



#71
Phenanthrene
Concen: 10.191 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.012 min
Lab File: BF142030.D
Acq: 21 Mar 2025 15:22

Tgt Ion:178 Resp: 233585
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.8
179 15.4 12.6 19.0

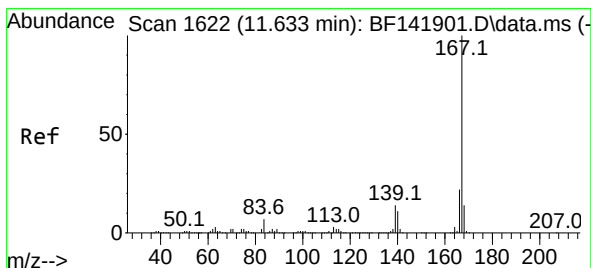
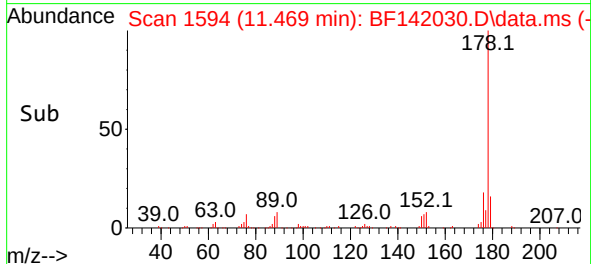
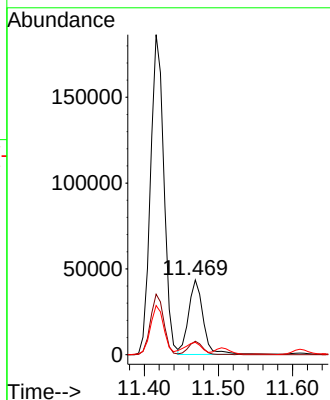
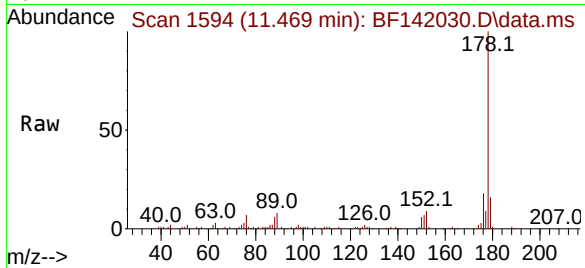




#72
 Anthracene
 Concen: 2.585 ng
 RT: 11.469 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF142030.D
 Acq: 21 Mar 2025 15:22

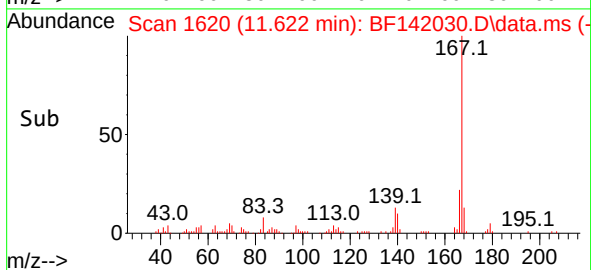
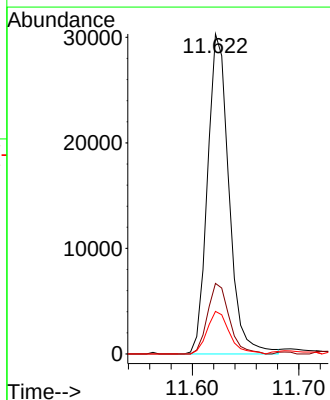
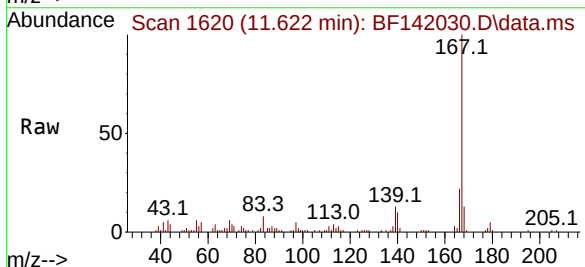
Instrument :
 BNA_F
 ClientSampleId :
 TP-3

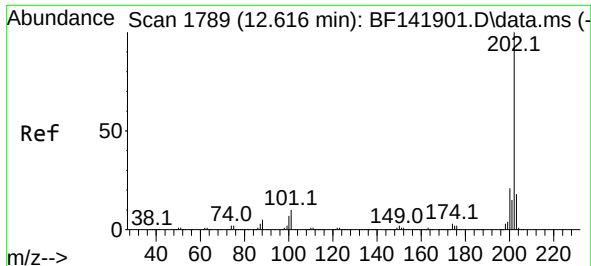
Tgt Ion:178 Resp: 59433
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.1 22.7
 179 16.4 12.6 19.0



#73
 Carbazole
 Concen: 2.134 ng
 RT: 11.622 min Scan# 1620
 Delta R.T. -0.012 min
 Lab File: BF142030.D
 Acq: 21 Mar 2025 15:22

Tgt Ion:167 Resp: 42321
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.4 26.2
 139 13.3 11.0 16.6

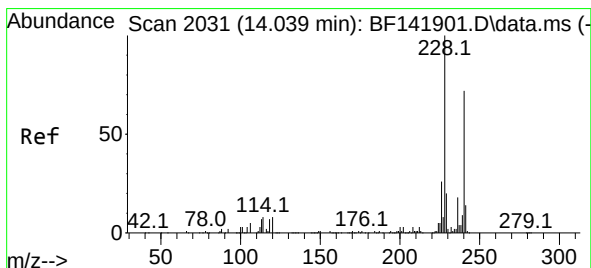
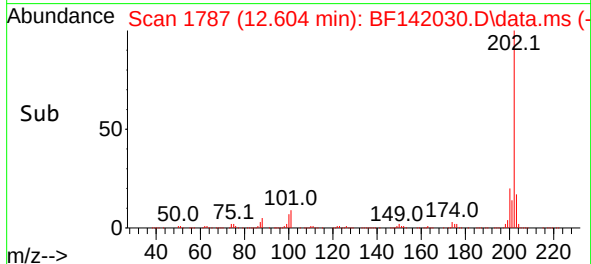
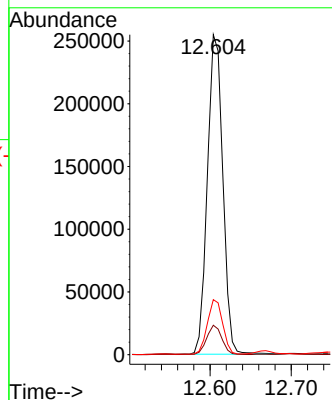
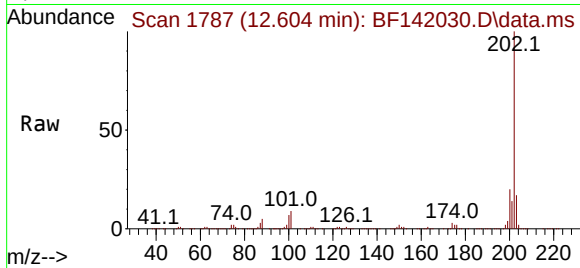




#75
Fluoranthene
Concen: 13.803 ng
RT: 12.604 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142030.D
Acq: 21 Mar 2025 15:22

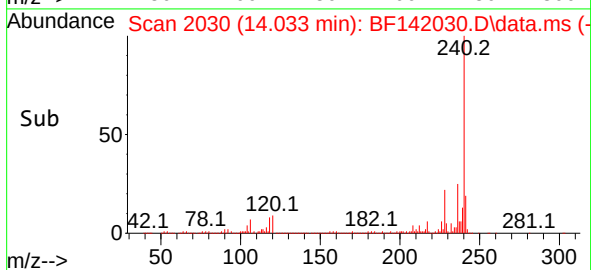
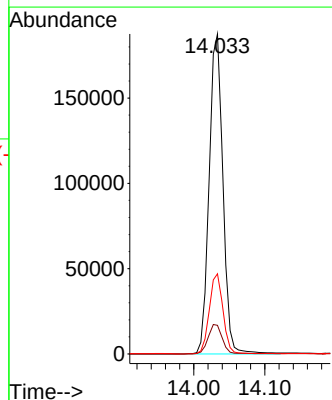
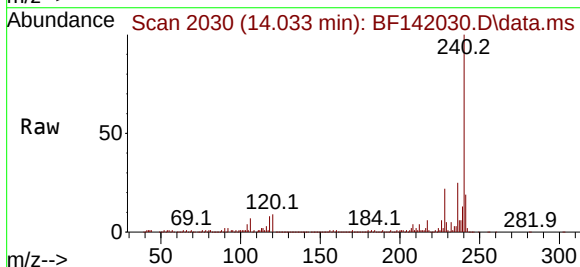
Instrument :
BNA_F
ClientSampleId :
TP-3

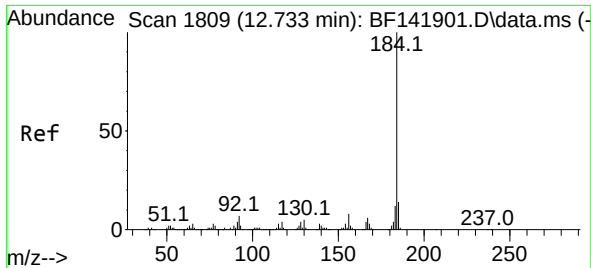
Tgt Ion:202 Resp: 335606
Ion Ratio Lower Upper
202 100
101 9.2 0.0 29.7
203 17.2 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF142030.D
Acq: 21 Mar 2025 15:22

Tgt Ion:240 Resp: 253313
Ion Ratio Lower Upper
240 100
120 9.0 8.4 12.6
236 25.1 20.5 30.7

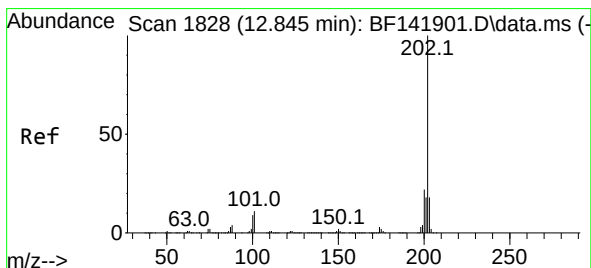
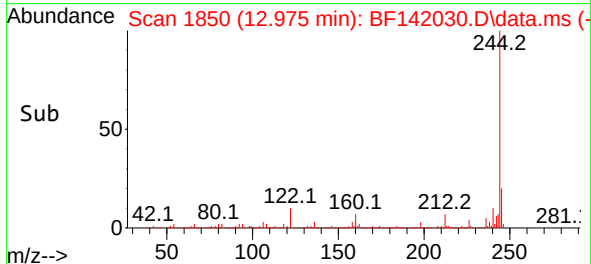
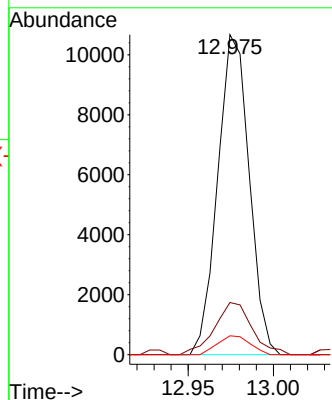
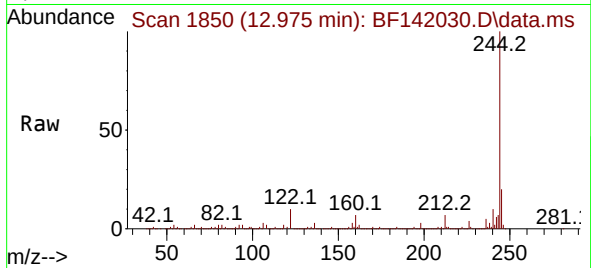




#77
Benzidine
Concen: 3.879 ng
RT: 12.975 min Scan# 1850
Delta R.T. 0.241 min
Lab File: BF142030.D
Acq: 21 Mar 2025 15:22

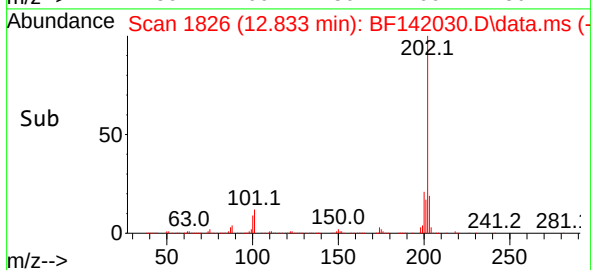
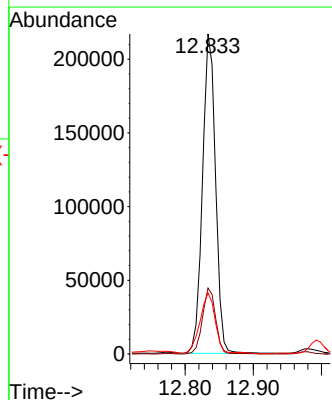
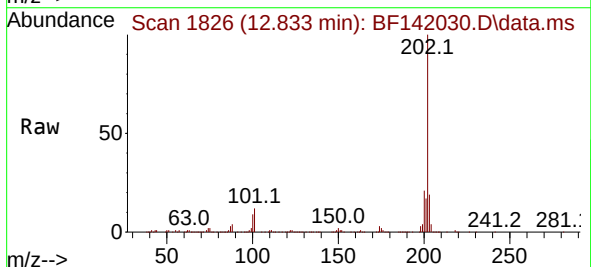
Instrument :
BNA_F
ClientSampleId :
TP-3

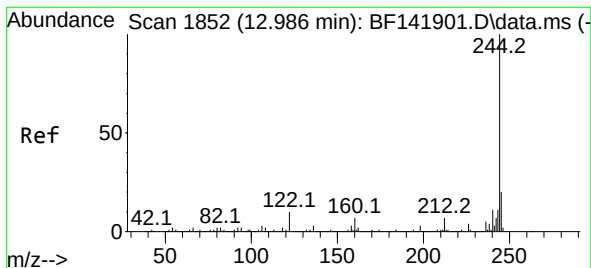
Tgt Ion:184 Resp: 13710
Ion Ratio Lower Upper
184 100
185 16.3 11.5 17.3
183 5.9 9.7 14.5#



#78
Pyrene
Concen: 13.157 ng
RT: 12.833 min Scan# 1826
Delta R.T. -0.012 min
Lab File: BF142030.D
Acq: 21 Mar 2025 15:22

Tgt Ion:202 Resp: 288302
Ion Ratio Lower Upper
202 100
200 20.6 17.3 25.9
203 19.0 14.4 21.6





#79

Terphenyl-d14

Concen: 58.085 ng

RT: 12.975 min Scan# 1850

Delta R.T. -0.012 min

Lab File: BF142030.D

Acq: 21 Mar 2025 15:22

Instrument :

BNA_F

ClientSampleId :

TP-3

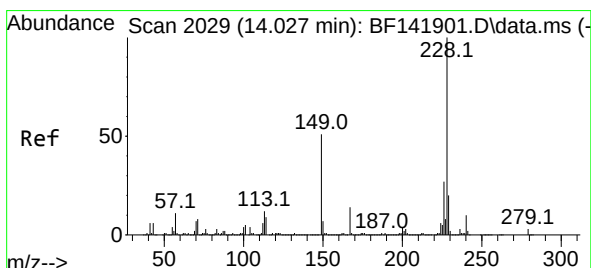
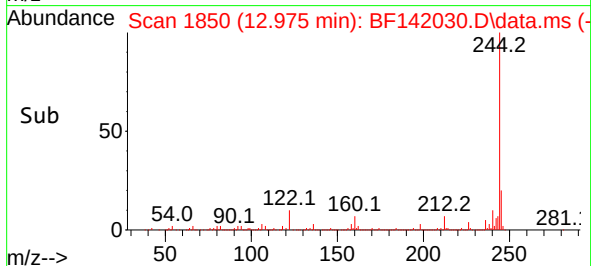
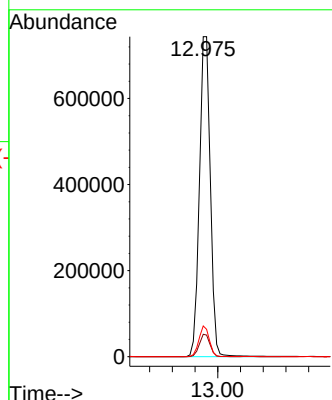
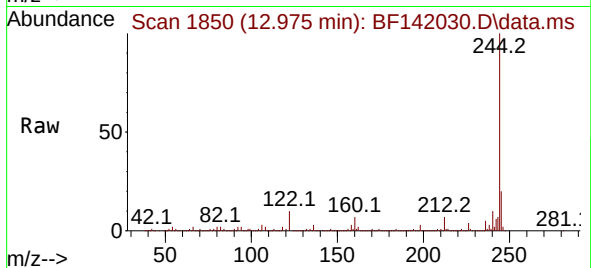
Tgt Ion:244 Resp: 995216

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

122 9.6 7.7 11.5



#81

Benzo(a)anthracene

Concen: 7.734 ng

RT: 14.022 min Scan# 2028

Delta R.T. -0.006 min

Lab File: BF142030.D

Acq: 21 Mar 2025 15:22

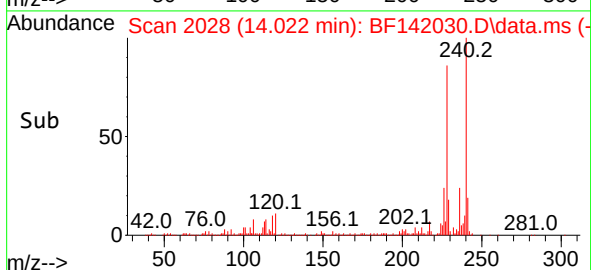
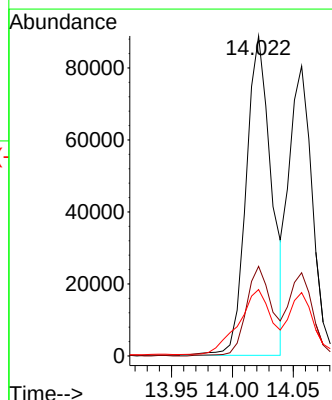
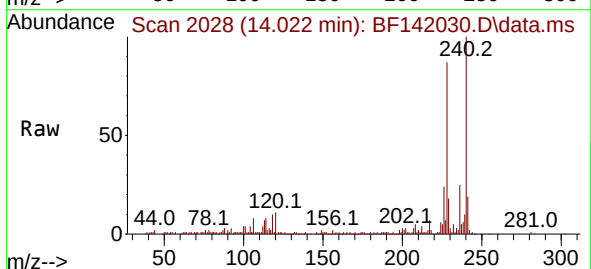
Tgt Ion:228 Resp: 128558

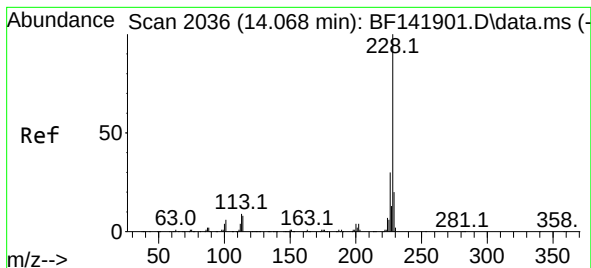
Ion Ratio Lower Upper

228 100

226 28.0 21.8 32.8

229 20.8 16.0 24.0





#83

Chrysene

Concen: 7.114 ng

RT: 14.057 min Scan# 2036

Delta R.T. -0.012 min

Lab File: BF142030.D

Acq: 21 Mar 2025 15:22

Instrument :

BNA_F

ClientSampleId :

TP-3

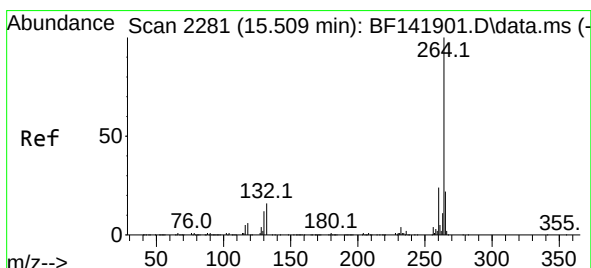
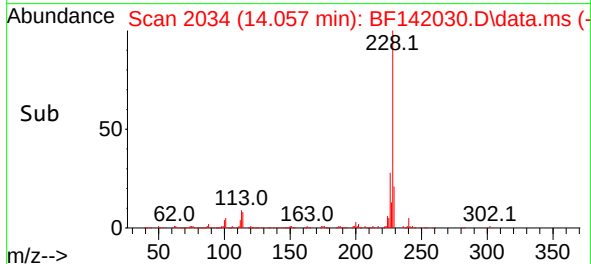
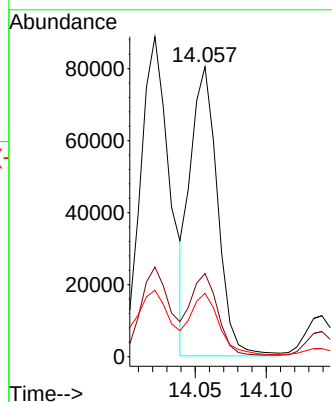
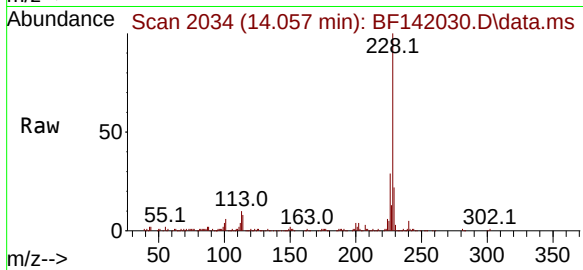
Tgt Ion:228 Resp: 107189

Ion Ratio Lower Upper

228 100

226 28.7 24.1 36.1

229 21.9 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 2280

Delta R.T. -0.006 min

Lab File: BF142030.D

Acq: 21 Mar 2025 15:22

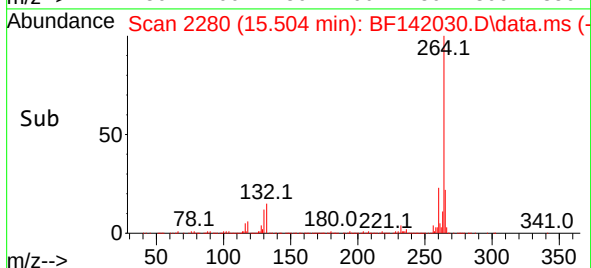
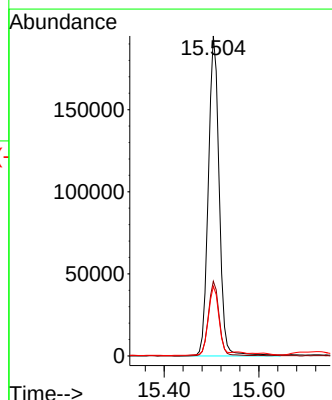
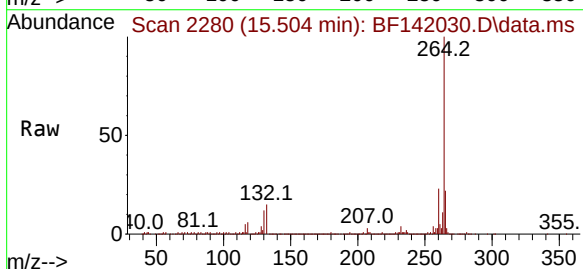
Tgt Ion:264 Resp: 311167

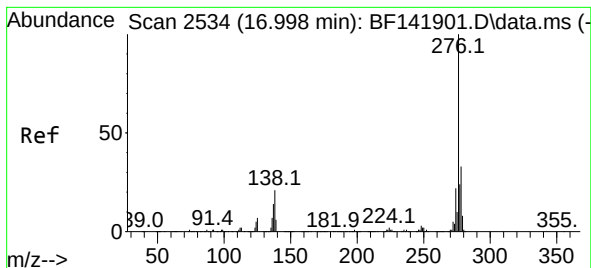
Ion Ratio Lower Upper

264 100

260 23.3 19.1 28.7

265 21.7 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.209 ng

RT: 16.986 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF142030.D

Acq: 21 Mar 2025 15:22

Instrument :

BNA_F

ClientSampleId :

TP-3

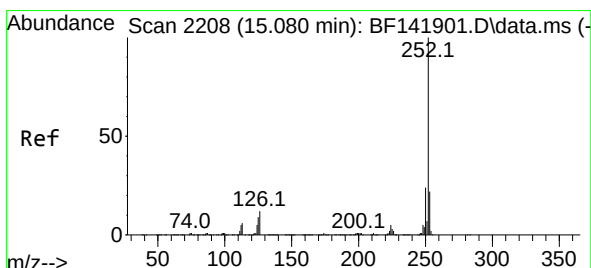
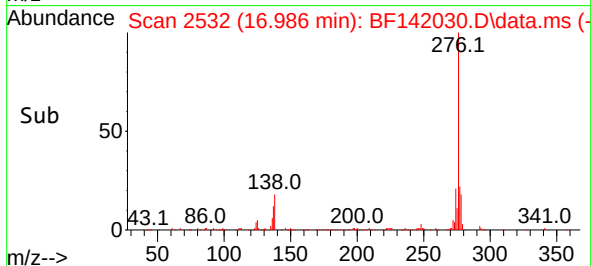
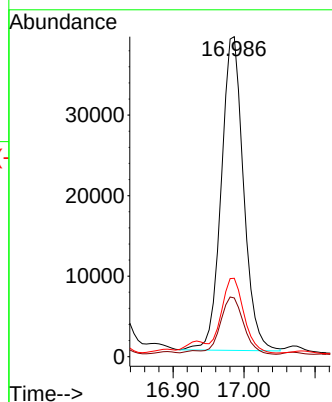
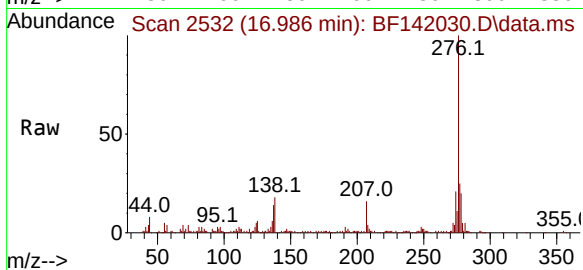
Tgt Ion:276 Resp: 84731

Ion Ratio Lower Upper

276 100

138 20.0 18.4 27.6

277 23.9 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 11.123 ng

RT: 15.074 min Scan# 2207

Delta R.T. -0.006 min

Lab File: BF142030.D

Acq: 21 Mar 2025 15:22

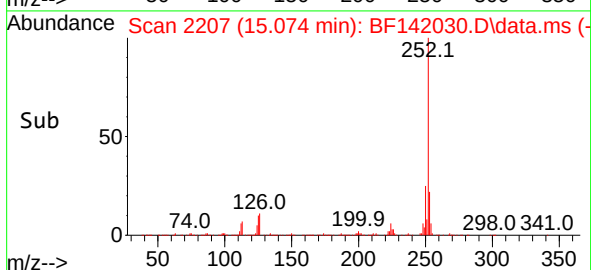
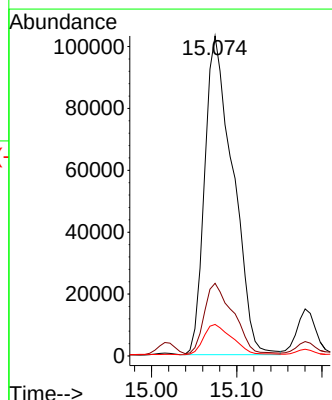
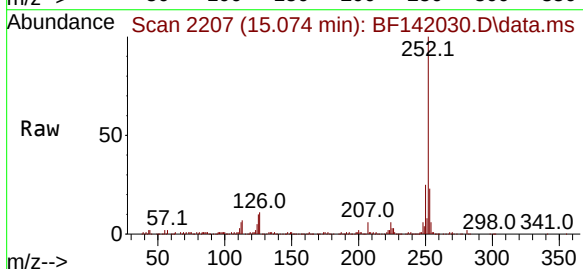
Tgt Ion:252 Resp: 237216

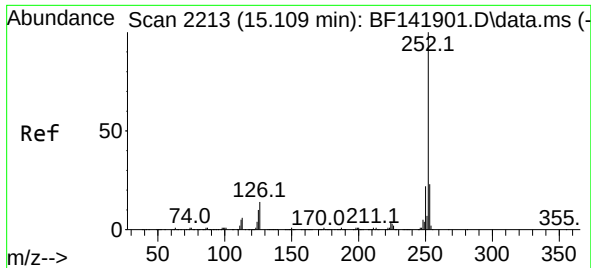
Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

125 9.9 7.0 10.4

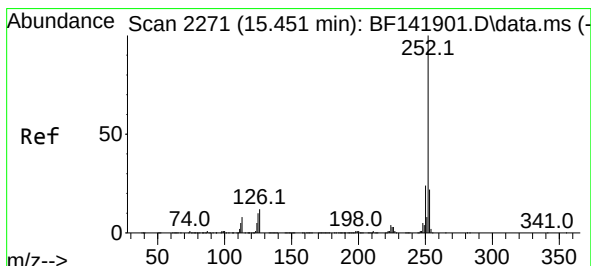
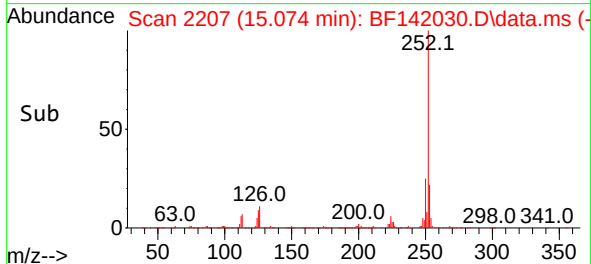
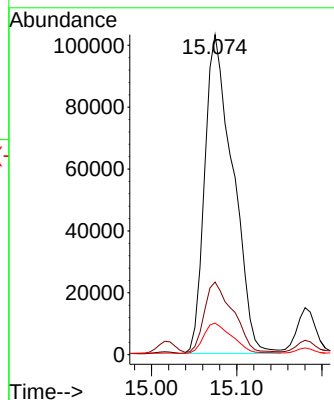
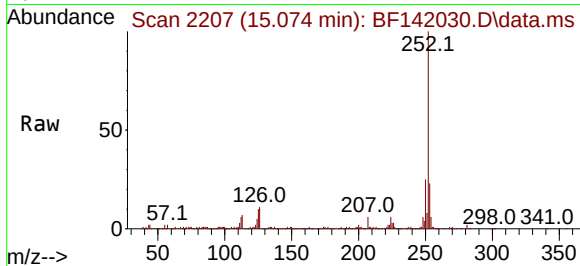




#89
Benzo(k)fluoranthene
Concen: 12.998 ng
RT: 15.074 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF142030.D
Acq: 21 Mar 2025 15:22

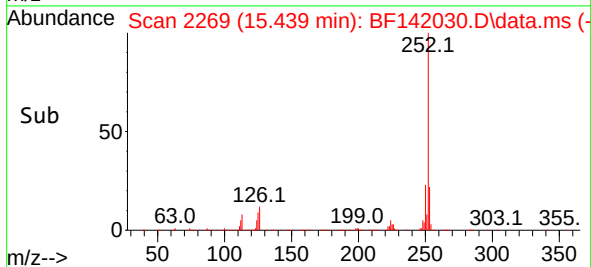
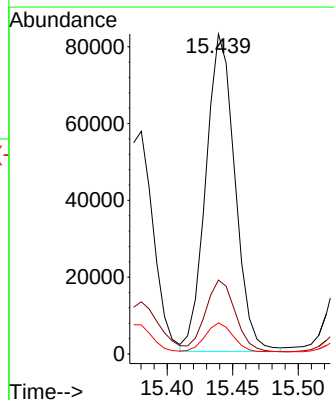
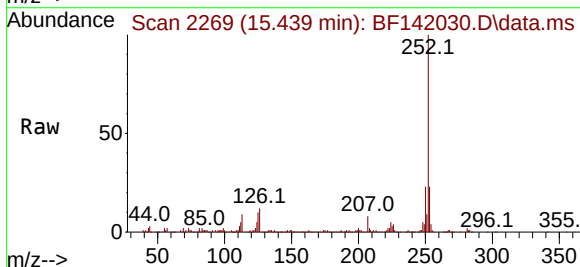
Instrument :
BNA_F
ClientSampleId :
TP-3

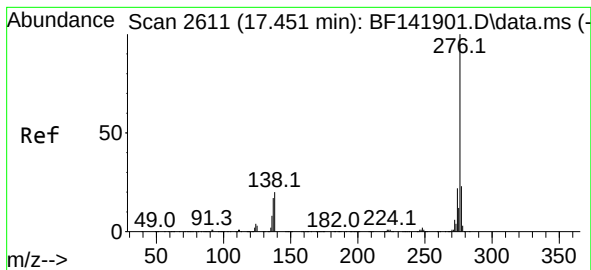
Tgt Ion:252 Resp: 237216
Ion Ratio Lower Upper
252 100
253 22.7 17.7 26.5
125 9.9 7.2 10.8



#90
Benzo(a)pyrene
Concen: 7.647 ng
RT: 15.439 min Scan# 2269
Delta R.T. -0.012 min
Lab File: BF142030.D
Acq: 21 Mar 2025 15:22

Tgt Ion:252 Resp: 127601
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.0
125 9.7 7.8 11.8





#92

Benzo(g,h,i)perylene

Concen: 5.232 ng

RT: 17.433 min Scan# 20

Delta R.T. -0.017 min

Lab File: BF142030.D

Acq: 21 Mar 2025 15:22

Instrument :

BNA_F

ClientSampleId :

TP-3

Tgt Ion:276 Resp: 85874

Ion Ratio Lower Upper

276 100

277 24.3 18.7 28.1

138 19.4 15.8 23.8

