

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032725\
 Data File : BF142146.D
 Acq On : 28 Mar 2025 01:37
 Operator : RC/JU
 Sample : Q1635-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Quant Time: Mar 28 03:57:12 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)

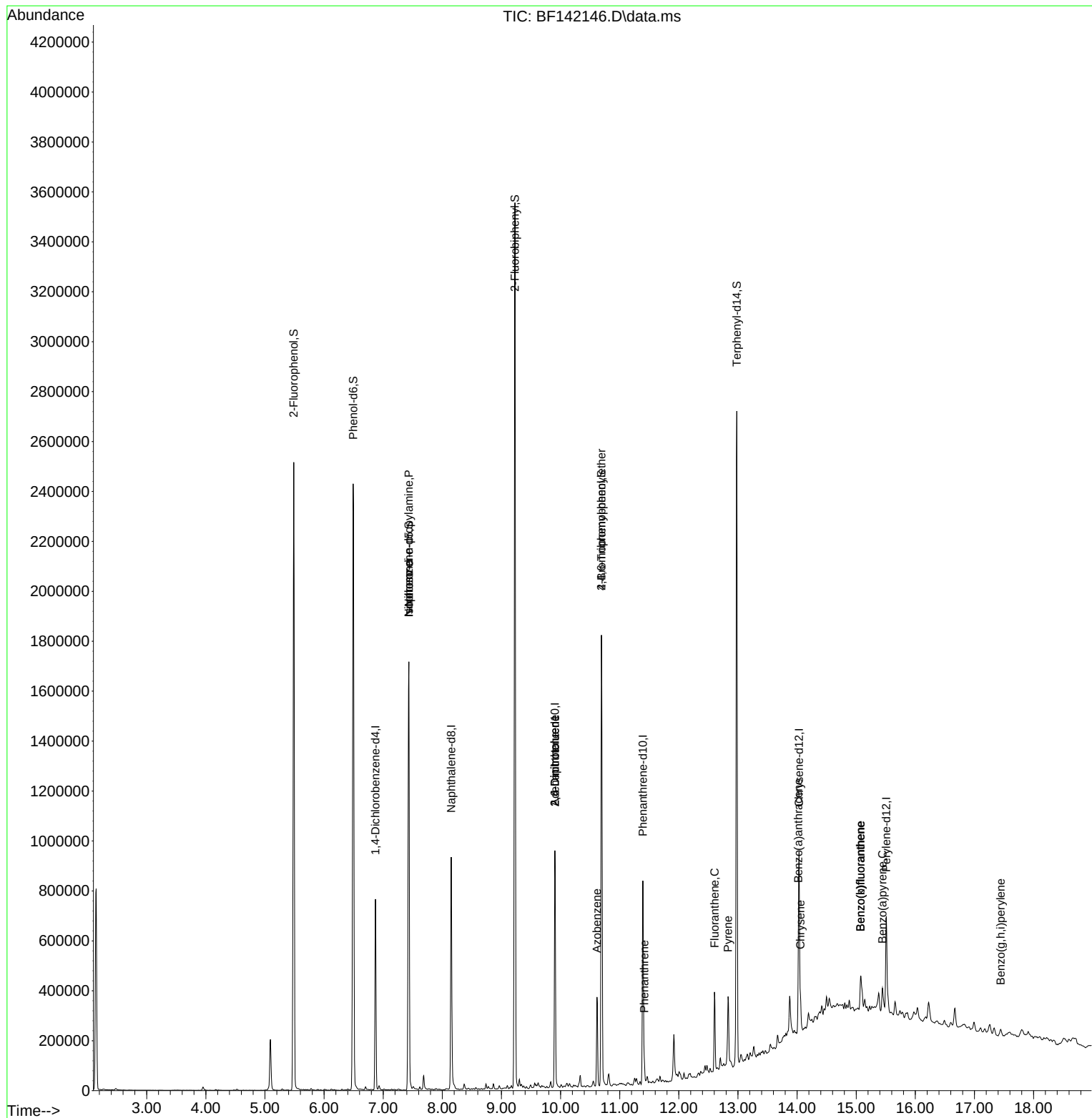
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	159607	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	603178	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	287222	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	412202	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	307308	20.000	ng	0.00
86) Perylene-d12	15.509	264	239466	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	1007107	105.310	ng	0.00
7) Phenol-d6	6.492	99	1269404	104.253	ng	-0.01
23) Nitrobenzene-d5	7.434	82	825941	77.059	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	344559	94.561	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	1563842	82.804	ng	-0.01
79) Terphenyl-d14	12.980	244	1301338	62.607	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	113588	14.518	ng	# 77
25) Isophorone	7.434	82	816369	43.089	ng	# 64
51) 2,6-Dinitrotoluene	9.904	165	37264	8.898	ng	# 23
57) 2,4-Dinitrotoluene	9.904	165	37445	6.846	ng	# 24
63) Azobenzene	10.616	77	89094	4.778	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	21383	4.131	ng	# 1
71) Phenanthrene	11.416	178	46568	2.092	ng	97
75) Fluoranthene	12.604	202	187662	7.946	ng	99
78) Pyrene	12.833	202	162201	6.102	ng	98
81) Benzo(a)anthracene	14.021	228	101994	5.058	ng	97
83) Chrysene	14.057	228	80970	4.430	ng	97
88) Benzo(b)fluoranthene	15.074	252	110940	6.760	ng	# 91
89) Benzo(k)fluoranthene	15.074	252	110940	7.899	ng	# 92
90) Benzo(a)pyrene	15.445	252	56300	4.384	ng	# 91
92) Benzo(g,h,i)perylene	17.445	276	26628	2.108	ng	# 92

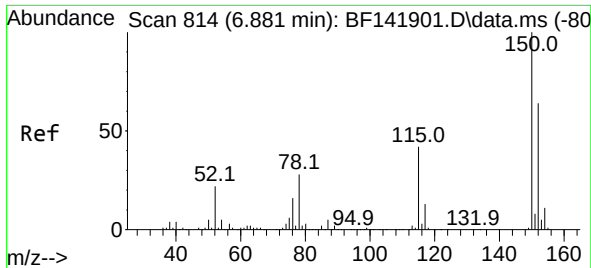
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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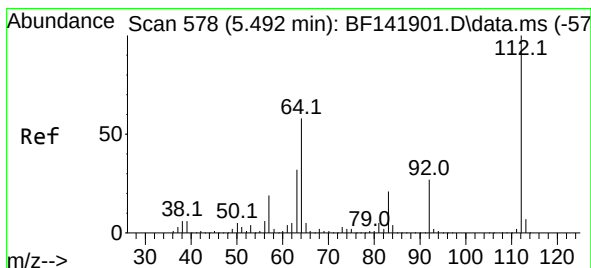
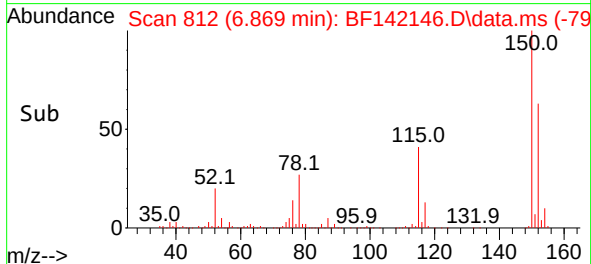
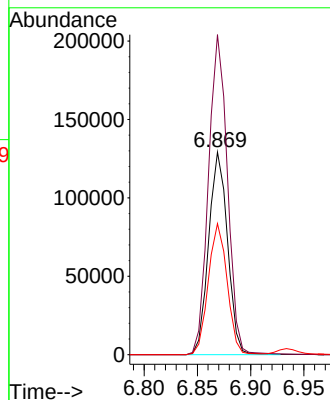
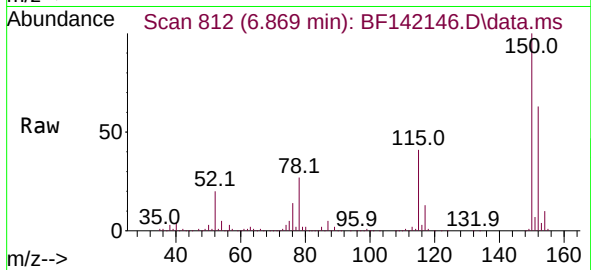




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 814
Delta R.T. -0.012 min
Lab File: BF142146.D
Acq: 28 Mar 2025 01:37

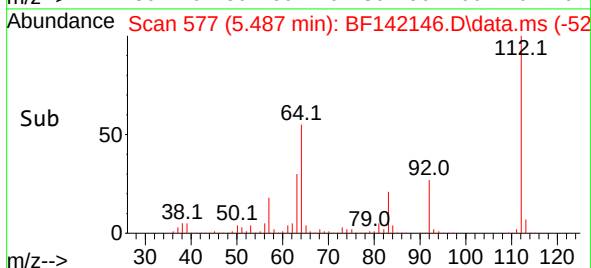
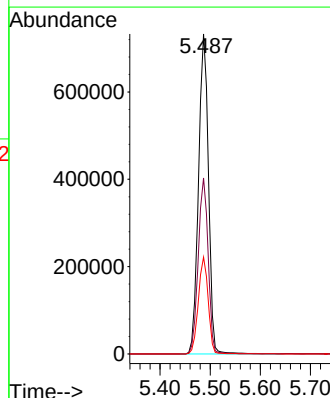
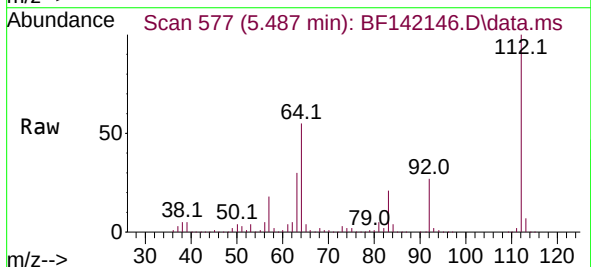
Instrument :
BNA_F
ClientSampleId :
TP-2

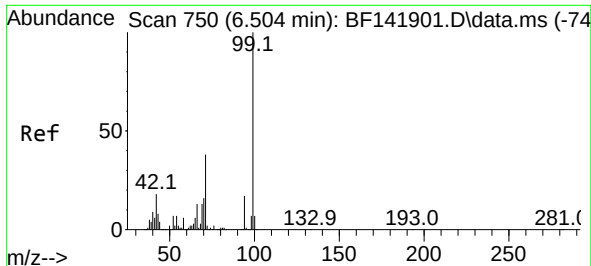
Tgt Ion:152 Resp: 159607
Ion Ratio Lower Upper
152 100
150 158.0 127.4 191.2
115 64.7 51.9 77.9



#5
2-Fluorophenol
Concen: 105.310 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF142146.D
Acq: 28 Mar 2025 01:37

Tgt Ion:112 Resp: 1007107
Ion Ratio Lower Upper
112 100
64 55.0 46.5 69.7
63 30.2 25.4 38.2



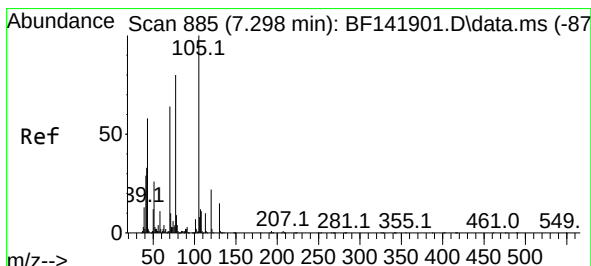
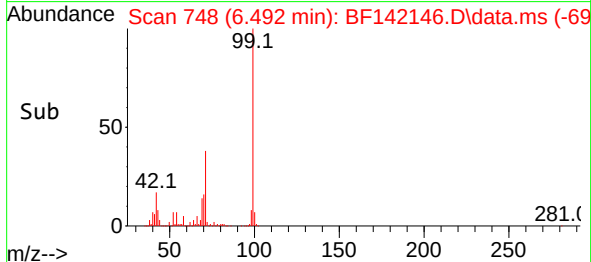
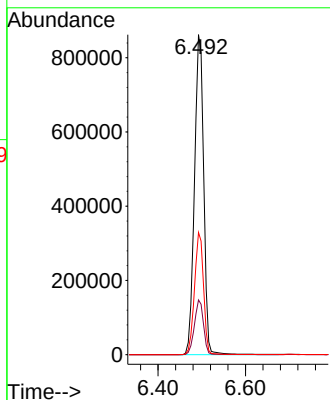
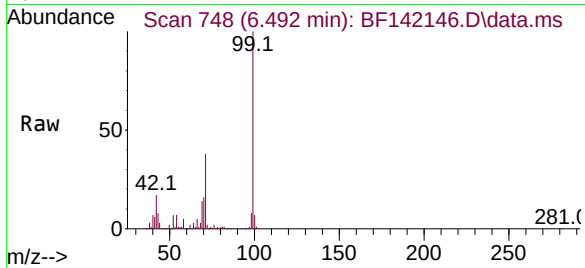


#7
Phenol-d6
Concen: 104.253 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF142146.D
Acq: 28 Mar 2025 01:37

Instrument :
BNA_F
ClientSampleId :
TP-2

Tgt Ion: 99 Resp: 1269404

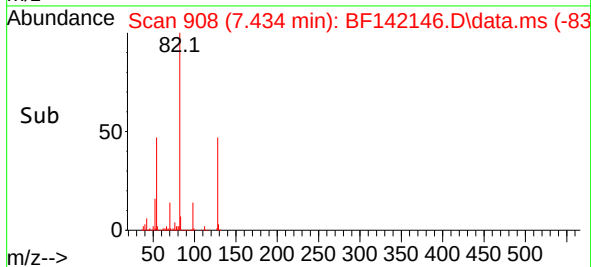
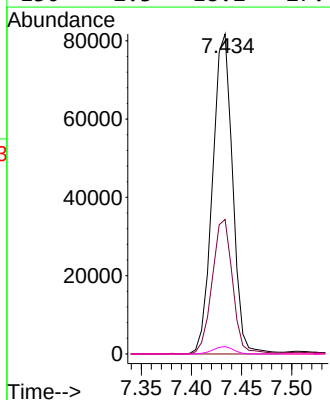
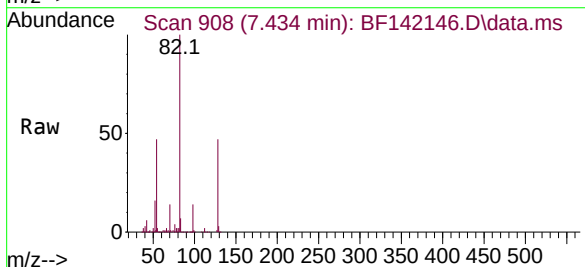
Ion	Ratio	Lower	Upper
99	100		
42	17.1	14.6	21.8
71	38.2	30.8	46.2

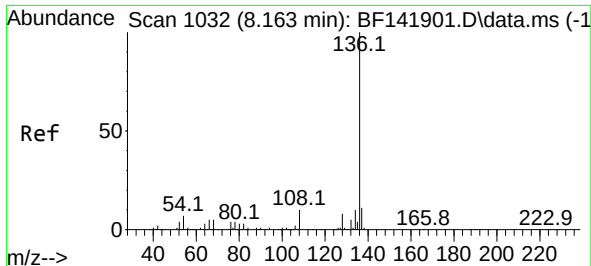


#19
n-Nitroso-di-n-propylamine
Concen: 14.518 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.135 min
Lab File: BF142146.D
Acq: 28 Mar 2025 01:37

Tgt Ion: 70 Resp: 113588

Ion	Ratio	Lower	Upper
70	100		
42	42.0	41.4	62.0
101	0.0	8.2	12.2#
130	2.3	18.2	27.4#

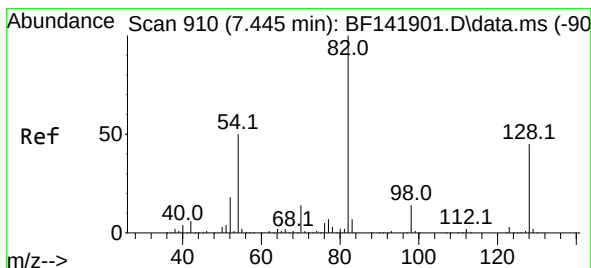
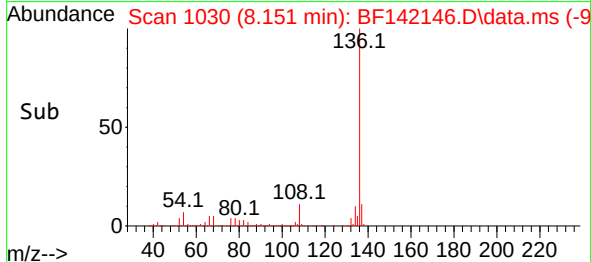
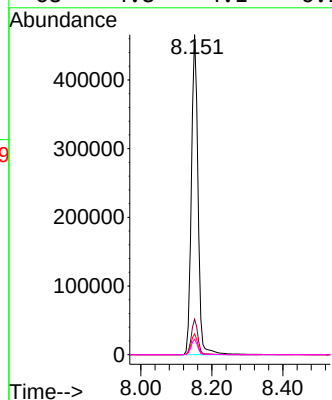
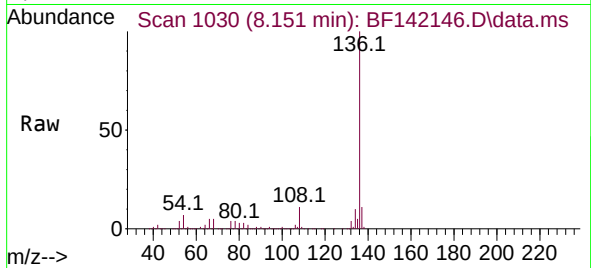




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF142146.D
Acq: 28 Mar 2025 01:37

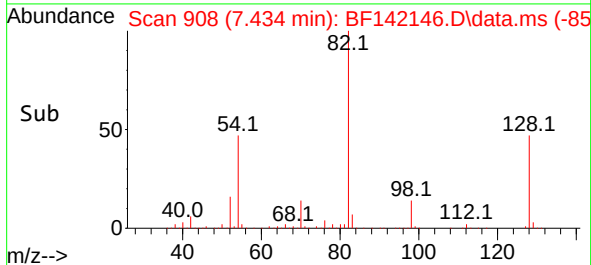
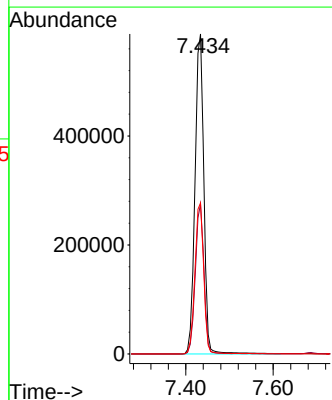
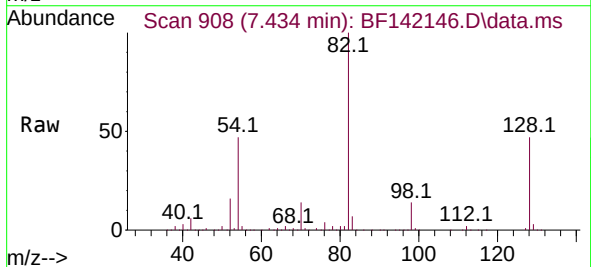
Instrument :
BNA_F
ClientSampleId :
TP-2

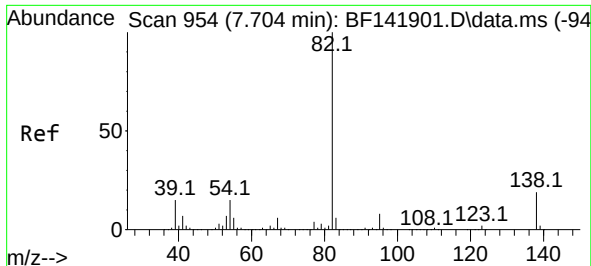
Tgt Ion:136 Resp: 603178
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 6.5 5.8 8.8
68 4.8 4.1 6.1



#23
Nitrobenzene-d5
Concen: 77.059 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF142146.D
Acq: 28 Mar 2025 01:37

Tgt Ion: 82 Resp: 825941
Ion Ratio Lower Upper
82 100
128 46.9 36.0 54.0
54 47.2 39.6 59.4

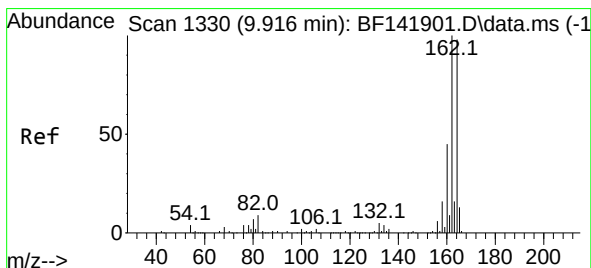
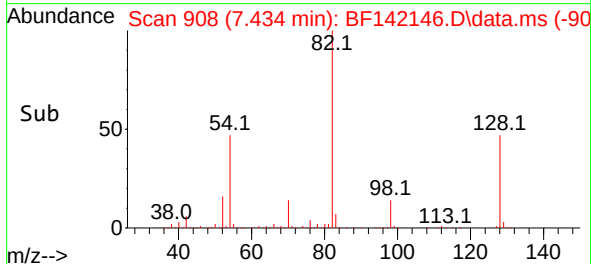
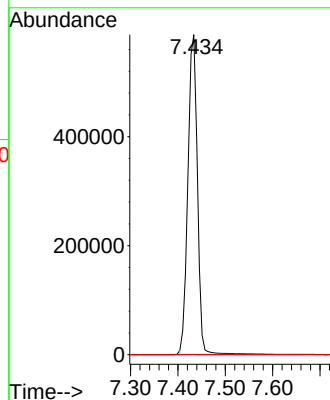
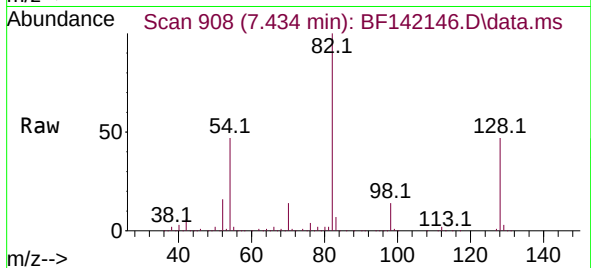




#25
Isophorone
Concen: 43.089 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF142146.D
Acq: 28 Mar 2025 01:37

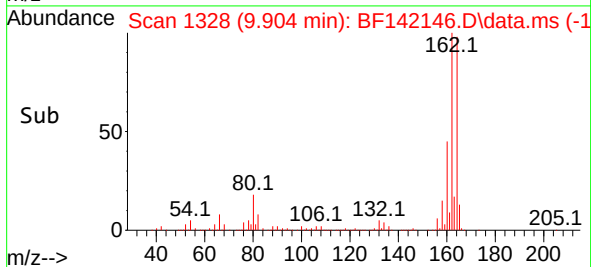
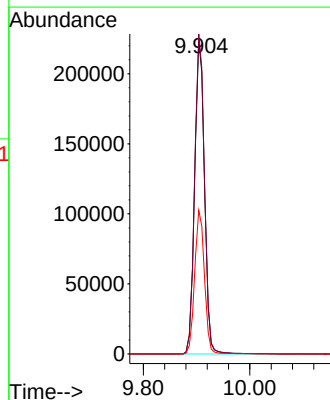
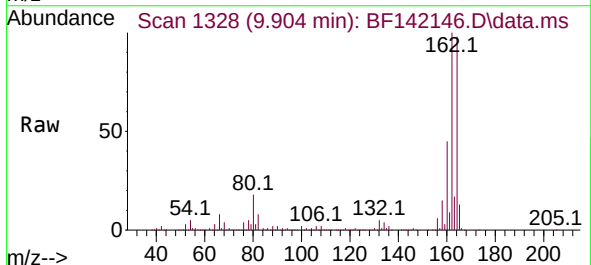
Instrument :
BNA_F
ClientSampleId :
TP-2

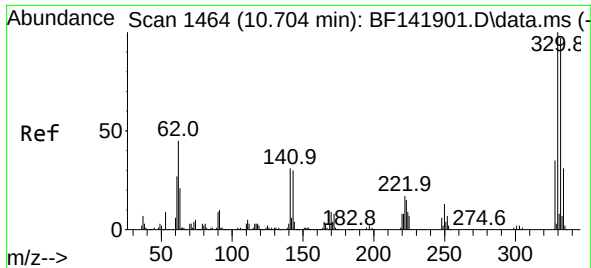
Tgt Ion: 82 Resp: 816369
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142146.D
Acq: 28 Mar 2025 01:37

Tgt Ion:164 Resp: 287222
Ion Ratio Lower Upper
164 100
162 102.0 81.8 122.6
160 45.8 36.7 55.1

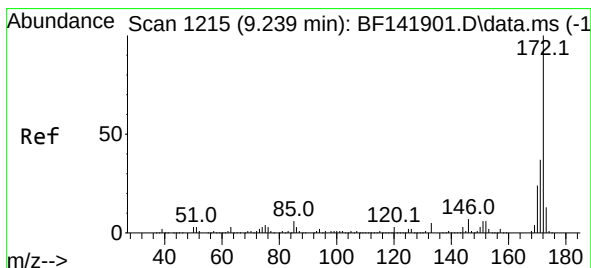
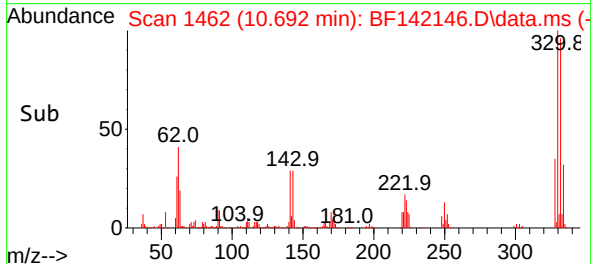
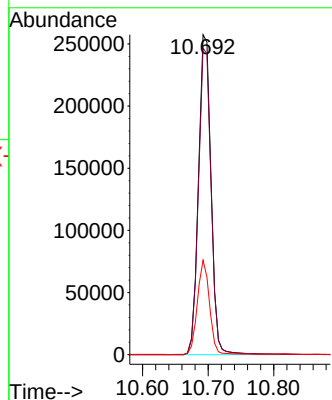
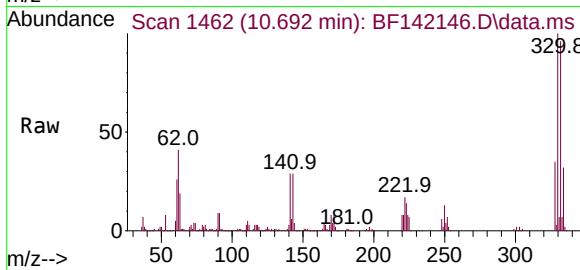




#42
2,4,6-Tribromophenol
Concen: 94.561 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF142146.D
Acq: 28 Mar 2025 01:37

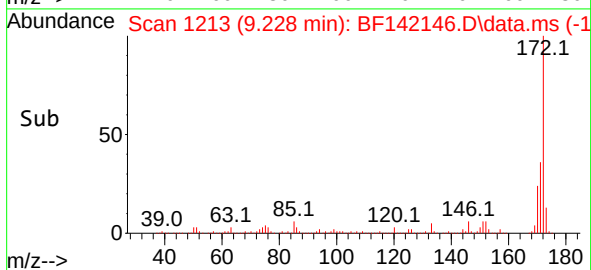
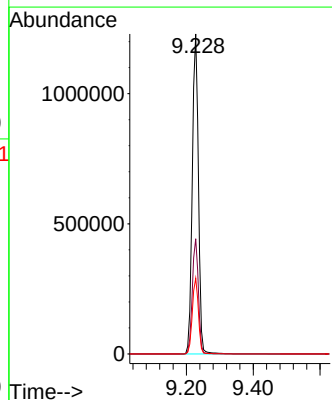
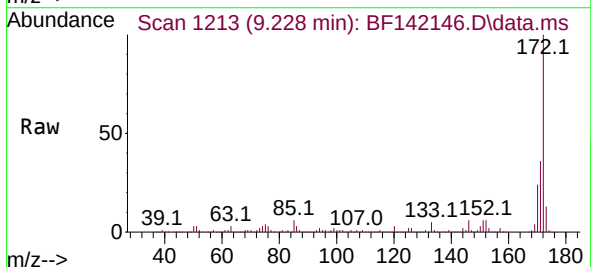
Instrument :
BNA_F
ClientSampleId :
TP-2

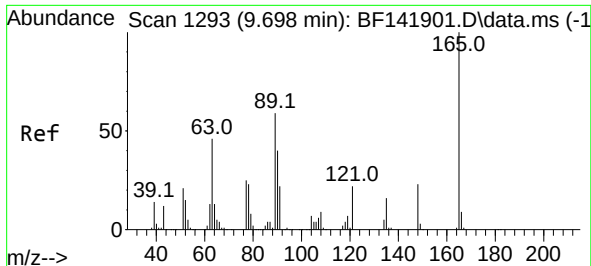
Tgt Ion:330 Resp: 344559
Ion Ratio Lower Upper
330 100
332 96.8 77.6 116.4
141 28.3 24.7 37.1



#45
2-Fluorobiphenyl
Concen: 82.804 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.012 min
Lab File: BF142146.D
Acq: 28 Mar 2025 01:37

Tgt Ion:172 Resp: 1563842
Ion Ratio Lower Upper
172 100
171 36.0 29.3 43.9
170 23.6 19.4 29.0

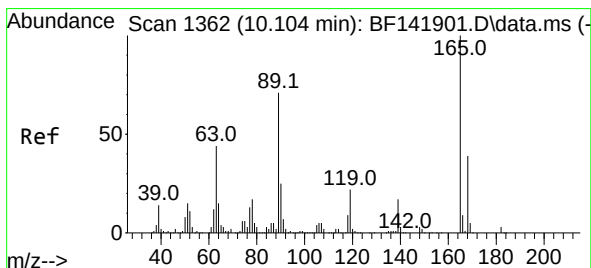
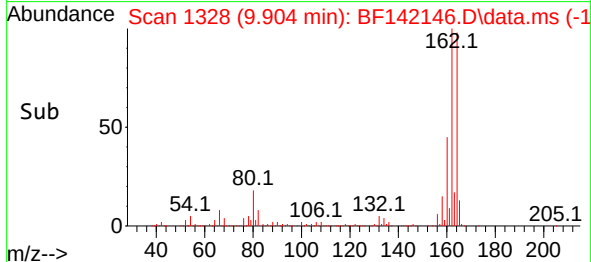
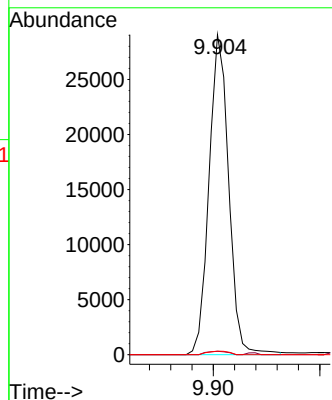
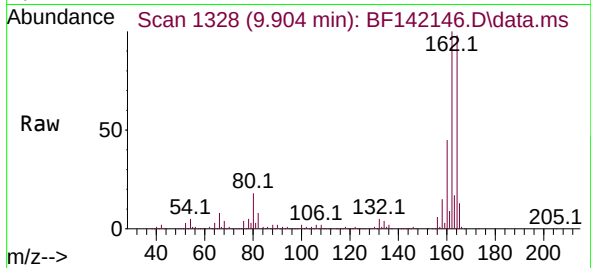




#51
2,6-Dinitrotoluene
Concen: 8.898 ng
RT: 9.904 min Scan# 1328
Delta R.T. 0.206 min
Lab File: BF142146.D
Acq: 28 Mar 2025 01:37

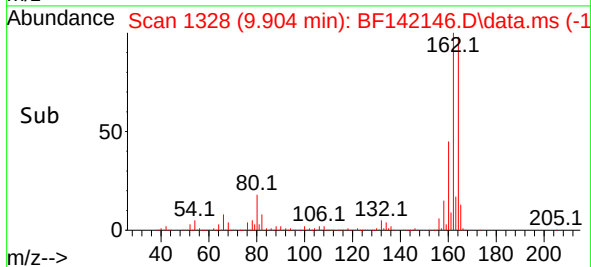
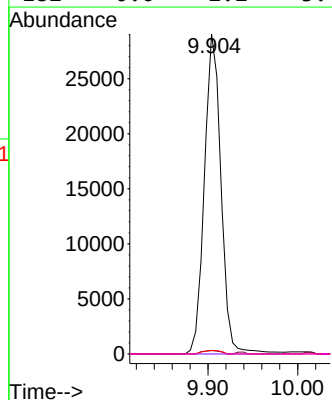
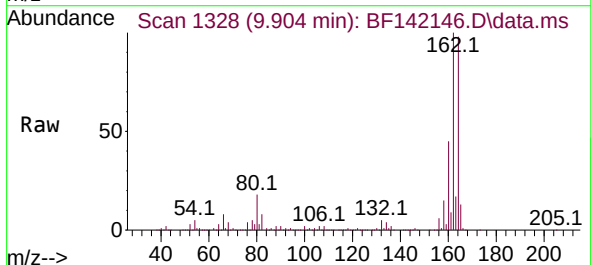
Instrument :
BNA_F
ClientSampleId :
TP-2

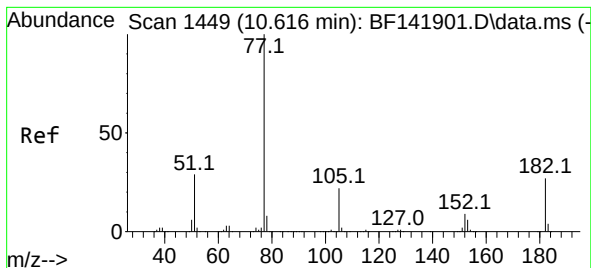
Tgt Ion:165 Resp: 37264
Ion Ratio Lower Upper
165 100
63 1.0 47.0 70.4#
89 1.1 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 6.846 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.200 min
Lab File: BF142146.D
Acq: 28 Mar 2025 01:37

Tgt Ion:165 Resp: 37445
Ion Ratio Lower Upper
165 100
63 1.0 35.4 53.2#
89 1.1 56.6 84.8#
182 0.0 2.2 3.4#





#63

Azobenzene

Concen: 4.778 ng

RT: 10.616 min Scan# 1449

Delta R.T. 0.000 min

Lab File: BF142146.D

Acq: 28 Mar 2025 01:37

Instrument :

BNA_F

ClientSampleId :

TP-2

Tgt Ion: 77 Resp: 89094

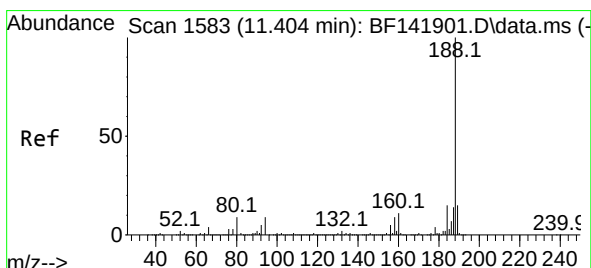
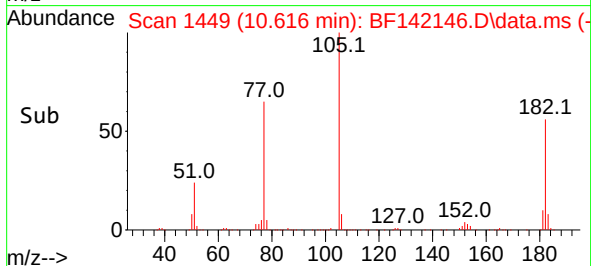
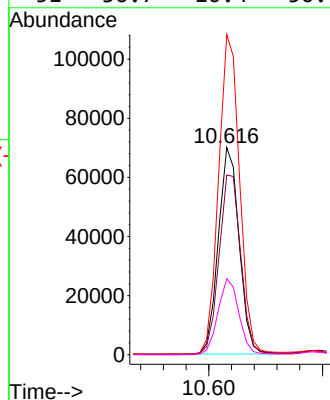
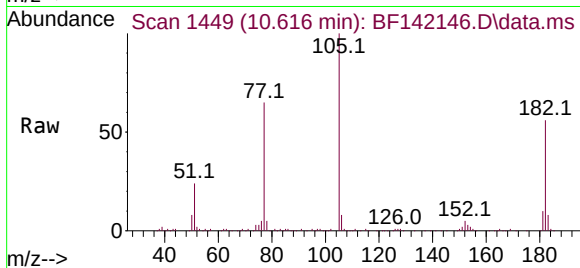
Ion Ratio Lower Upper

77 100

182 86.7 6.6 46.6#

105 154.4 1.3 41.3#

51 36.7 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: BF142146.D

Acq: 28 Mar 2025 01:37

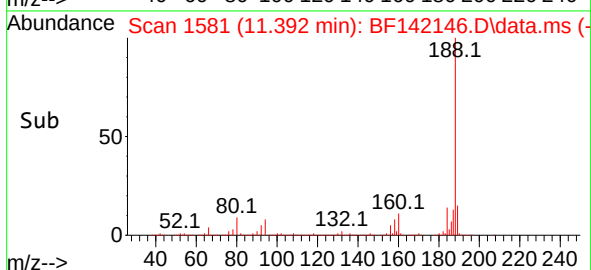
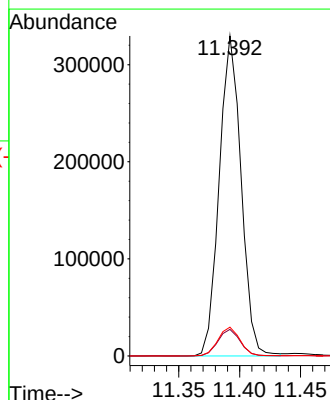
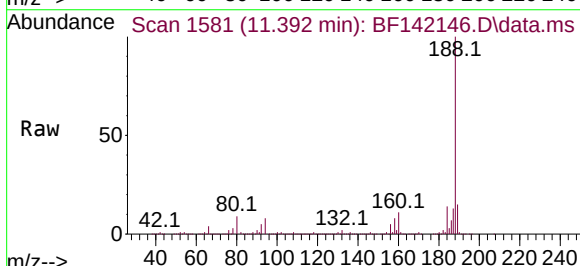
Tgt Ion: 188 Resp: 412202

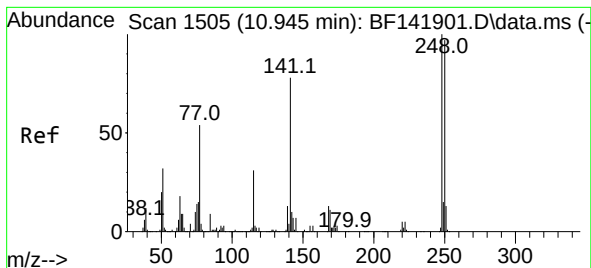
Ion Ratio Lower Upper

188 100

94 8.3 6.8 10.2

80 9.0 7.6 11.4

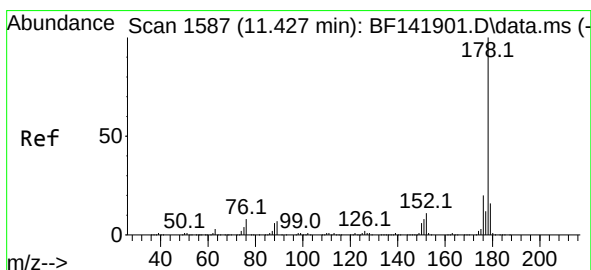
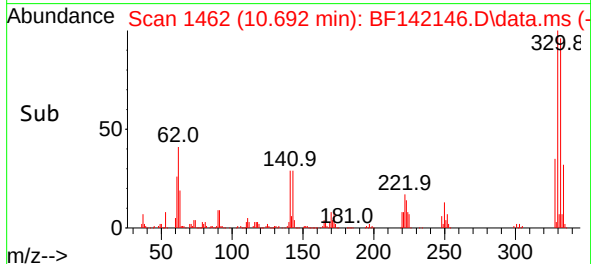
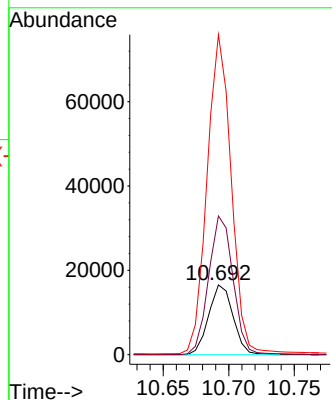
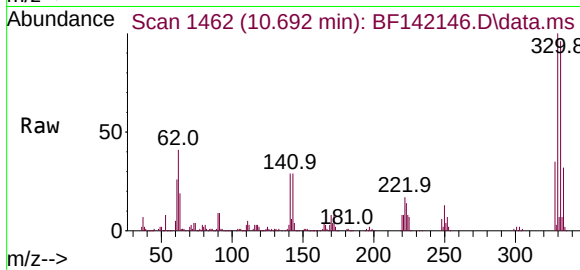




#67
4-Bromophenyl-phenylether
Concen: 4.131 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.253 min
Lab File: BF142146.D
Acq: 28 Mar 2025 01:37

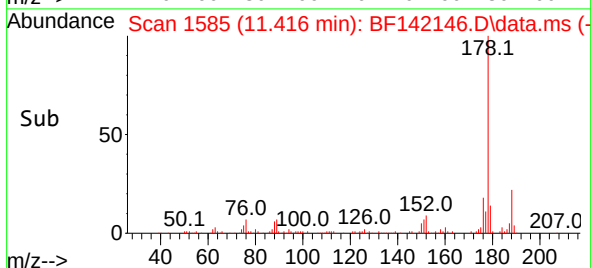
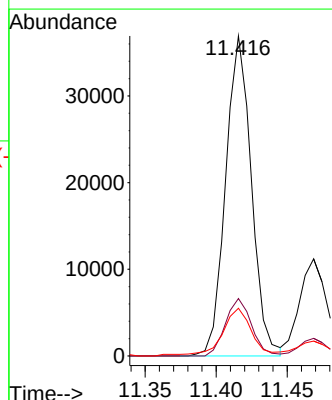
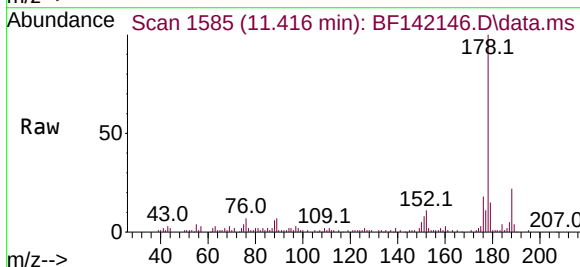
Instrument :
BNA_F
ClientSampleId :
TP-2

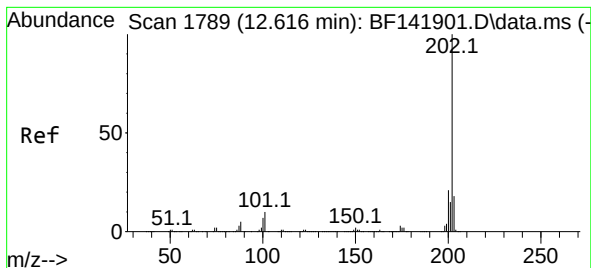
Tgt Ion:248 Resp: 21383
Ion Ratio Lower Upper
248 100
250 198.9 77.8 116.8#
141 458.8 62.6 93.8#



#71
Phenanthrene
Concen: 2.092 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.012 min
Lab File: BF142146.D
Acq: 28 Mar 2025 01:37

Tgt Ion:178 Resp: 46568
Ion Ratio Lower Upper
178 100
176 18.0 15.8 23.8
179 14.9 12.6 19.0





#75

Fluoranthene

Concen: 7.946 ng

RT: 12.604 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF142146.D

Acq: 28 Mar 2025 01:37

Instrument :

BNA_F

ClientSampleId :

TP-2

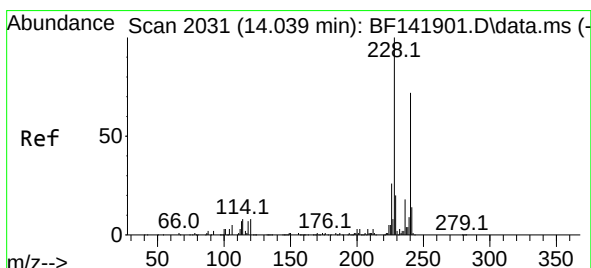
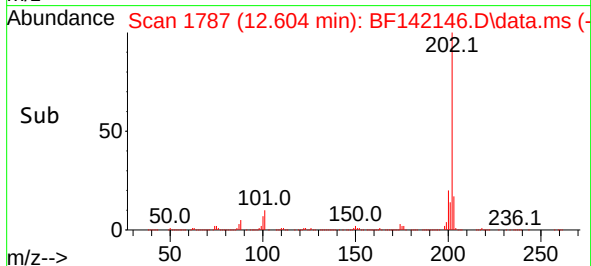
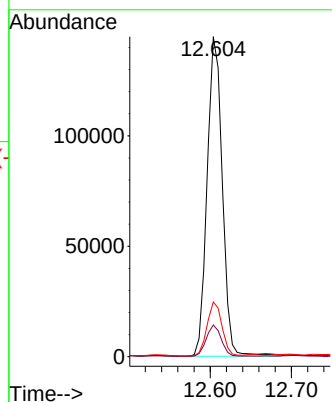
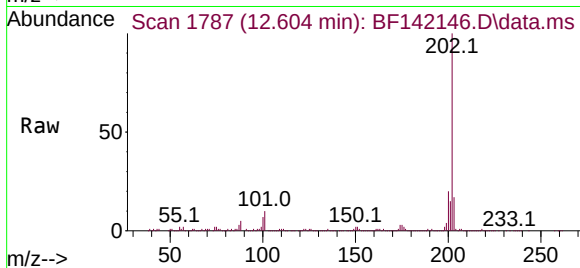
Tgt Ion:202 Resp: 187662

Ion Ratio Lower Upper

202 100

101 9.9 0.0 29.7

203 17.1 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: BF142146.D

Acq: 28 Mar 2025 01:37

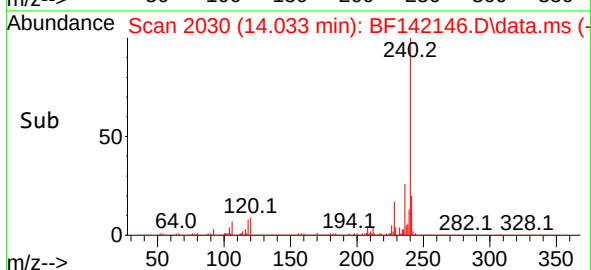
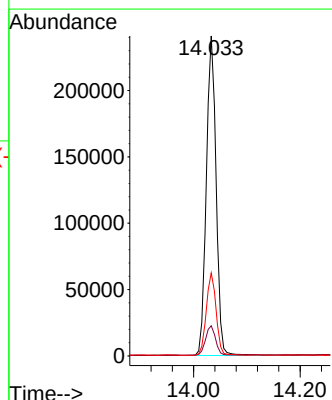
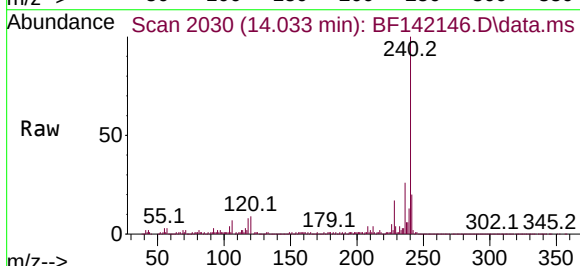
Tgt Ion:240 Resp: 307308

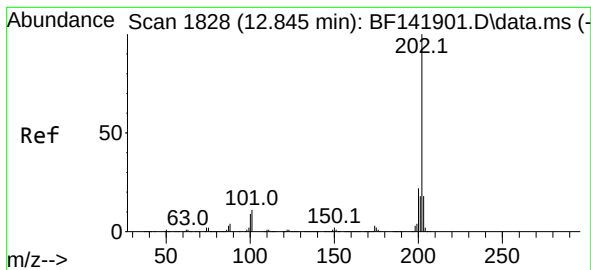
Ion Ratio Lower Upper

240 100

120 9.5 8.4 12.6

236 26.0 20.5 30.7





#78

Pyrene

Concen: 6.102 ng

RT: 12.833 min Scan# 1826

Delta R.T. -0.012 min

Lab File: BF142146.D

Acq: 28 Mar 2025 01:37

Instrument :

BNA_F

ClientSampleId :

TP-2

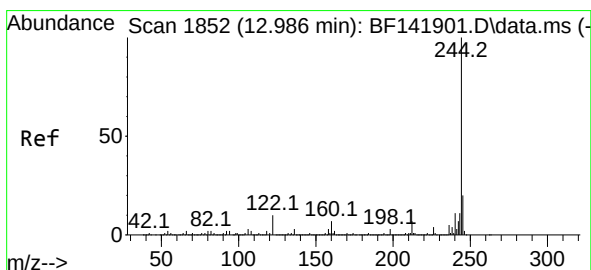
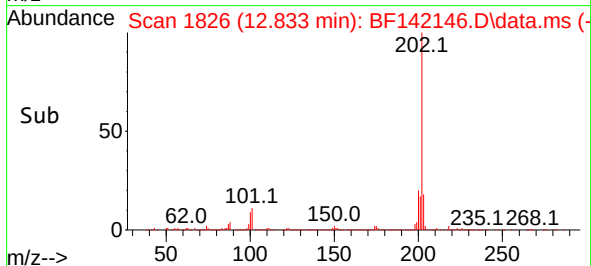
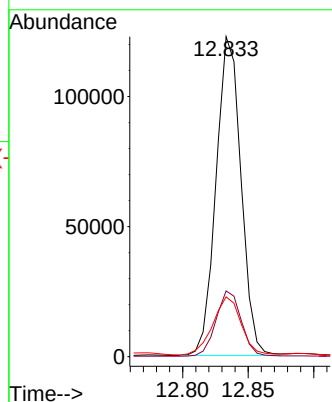
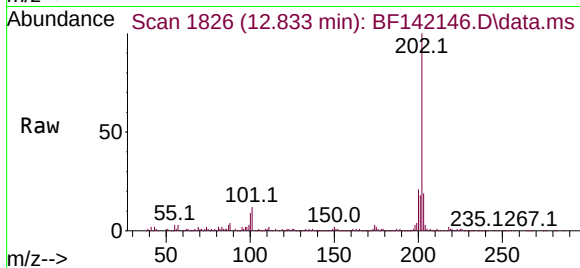
Tgt Ion:202 Resp: 162201

Ion Ratio Lower Upper

202 100

200 20.5 17.3 25.9

203 18.7 14.4 21.6



#79

Terphenyl-d14

Concen: 62.607 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF142146.D

Acq: 28 Mar 2025 01:37

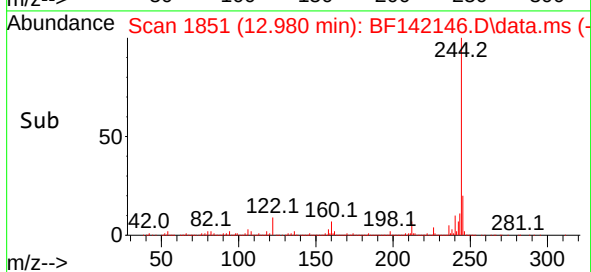
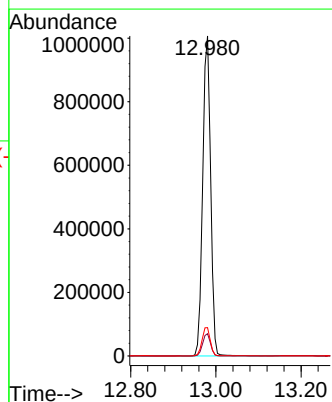
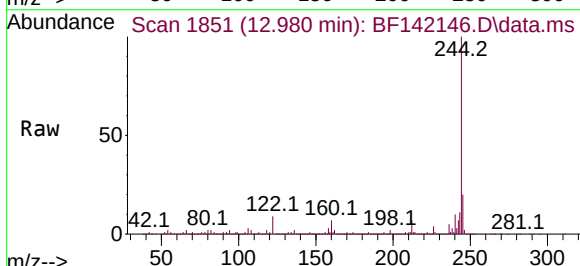
Tgt Ion:244 Resp: 1301338

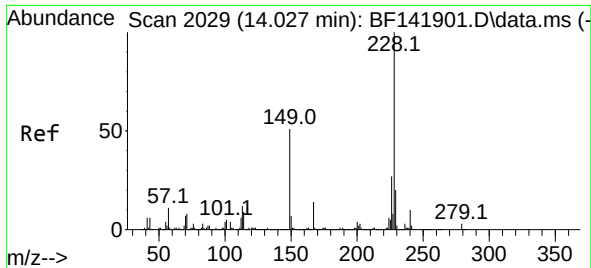
Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

122 8.8 7.7 11.5

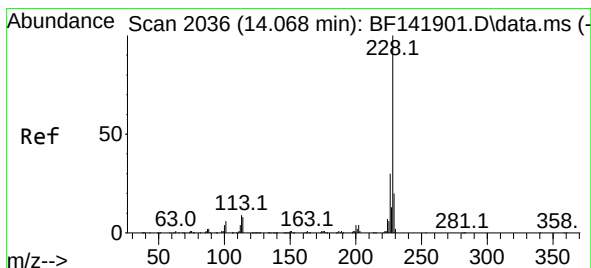
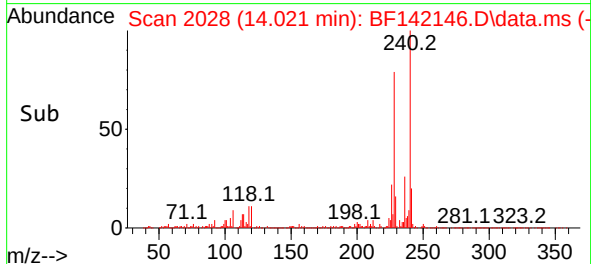
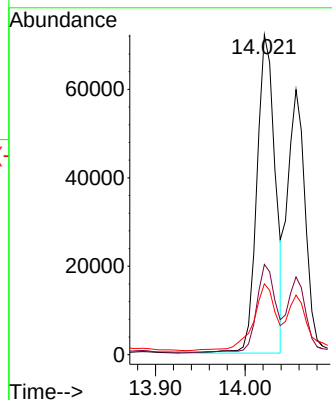
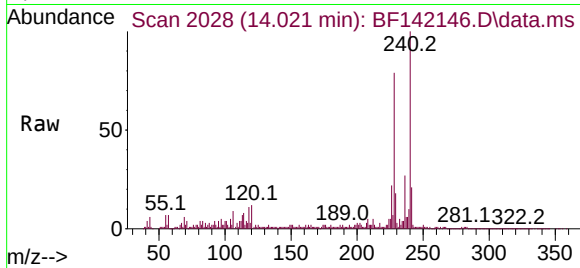




#81
Benzo(a)anthracene
Concen: 5.058 ng
RT: 14.021 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF142146.D
Acq: 28 Mar 2025 01:37

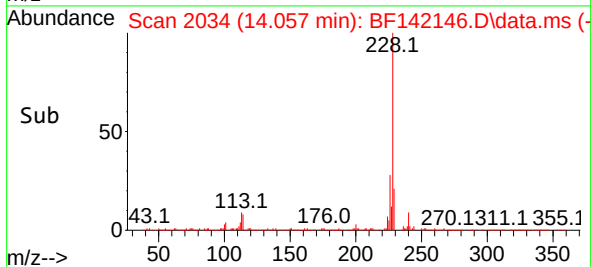
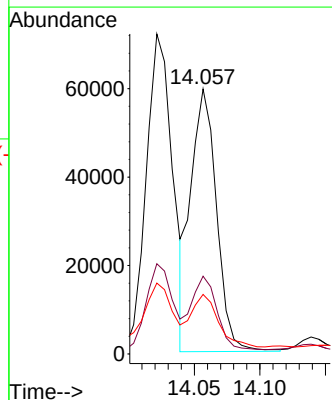
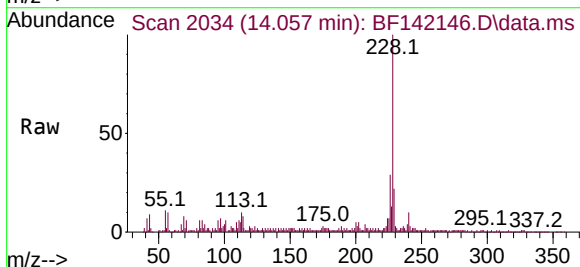
Instrument :
BNA_F
ClientSampleId :
TP-2

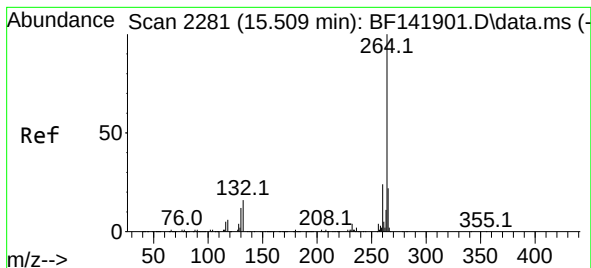
Tgt Ion:228 Resp: 101994
Ion Ratio Lower Upper
228 100
226 28.2 21.8 32.8
229 22.1 16.0 24.0



#83
Chrysene
Concen: 4.430 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.012 min
Lab File: BF142146.D
Acq: 28 Mar 2025 01:37

Tgt Ion:228 Resp: 80970
Ion Ratio Lower Upper
228 100
226 29.3 24.1 36.1
229 22.5 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.509 min Scan# 2281

Delta R.T. 0.000 min

Lab File: BF142146.D

Acq: 28 Mar 2025 01:37

Instrument :

BNA_F

ClientSampleId :

TP-2

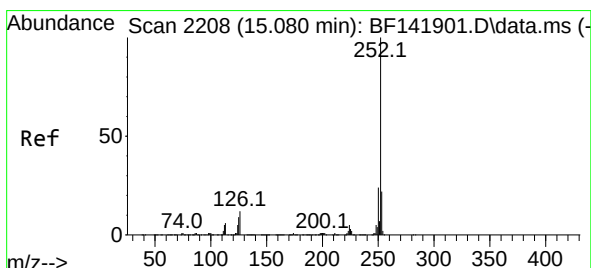
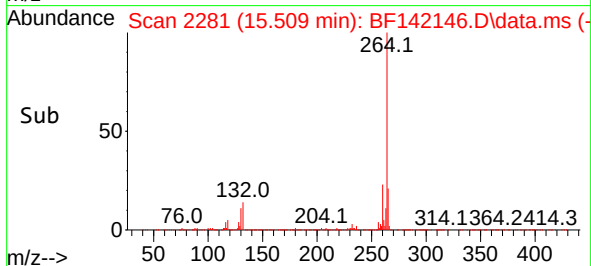
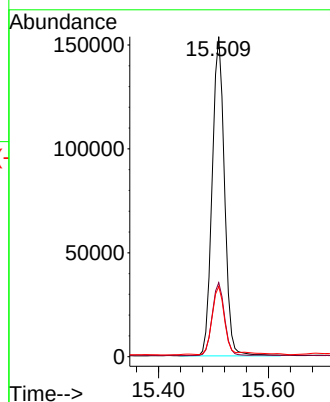
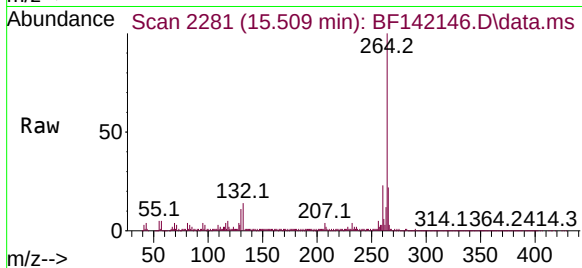
Tgt Ion:264 Resp: 239466

Ion Ratio Lower Upper

264 100

260 23.2 19.1 28.7

265 22.0 17.5 26.3



#88

Benzo(b)fluoranthene

Concen: 6.760 ng

RT: 15.074 min Scan# 2207

Delta R.T. -0.006 min

Lab File: BF142146.D

Acq: 28 Mar 2025 01:37

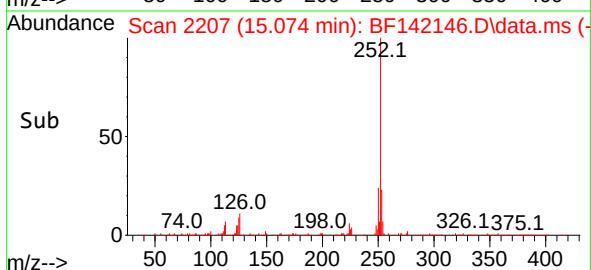
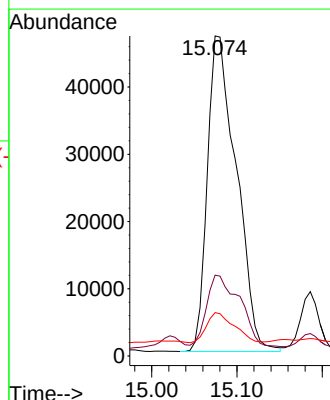
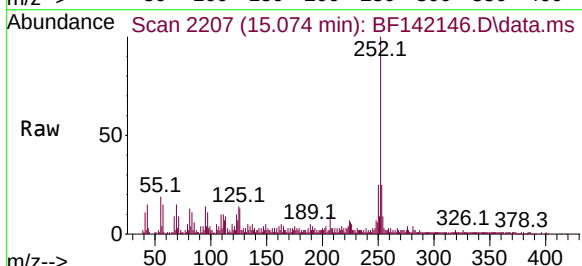
Tgt Ion:252 Resp: 110940

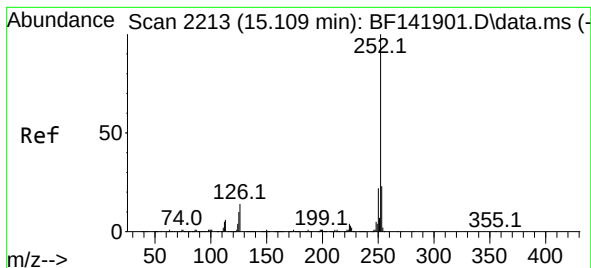
Ion Ratio Lower Upper

252 100

253 25.2 17.5 26.3

125 13.5 7.0 10.4#





#89

Benzo(k)fluoranthene

Concen: 7.899 ng

RT: 15.074 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF142146.D

Acq: 28 Mar 2025 01:37

Instrument :

BNA_F

ClientSampleId :

TP-2

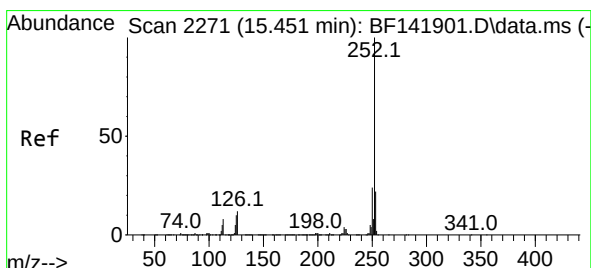
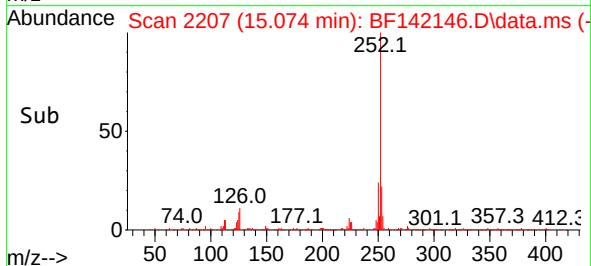
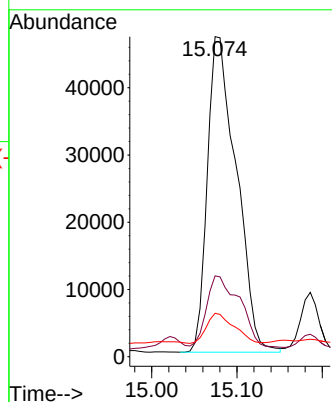
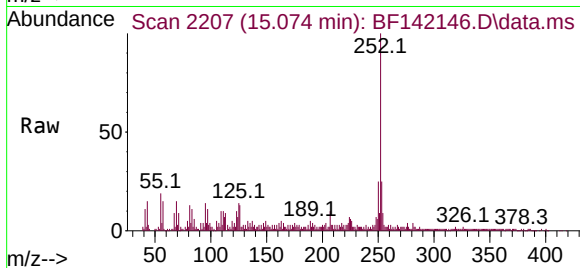
Tgt Ion:252 Resp: 110940

Ion Ratio Lower Upper

252 100

253 25.2 17.7 26.5

125 13.5 7.2 10.8#



#90

Benzo(a)pyrene

Concen: 4.384 ng

RT: 15.445 min Scan# 2270

Delta R.T. -0.006 min

Lab File: BF142146.D

Acq: 28 Mar 2025 01:37

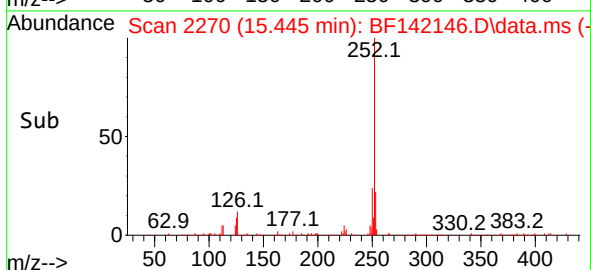
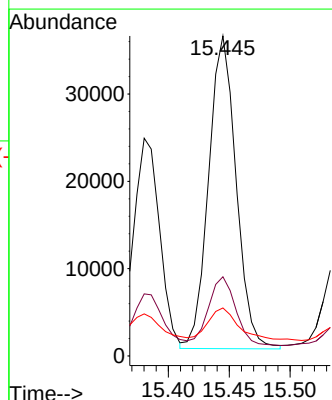
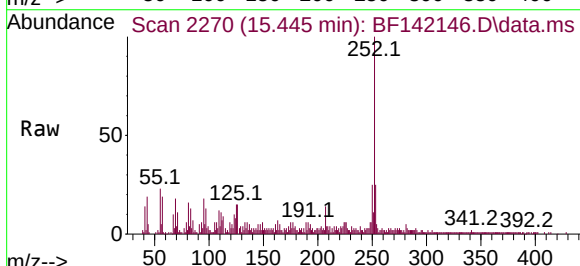
Tgt Ion:252 Resp: 56300

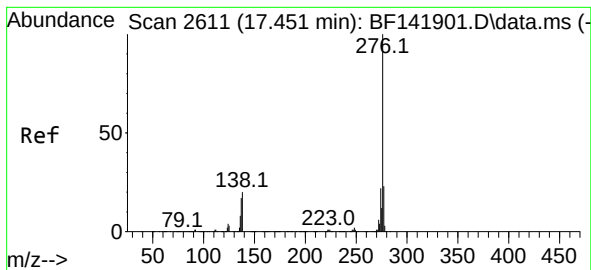
Ion Ratio Lower Upper

252 100

253 24.8 17.4 26.0

125 15.0 7.8 11.8#





#92

Benzo(g,h,i)perylene

Concen: 2.108 ng

RT: 17.445 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142146.D

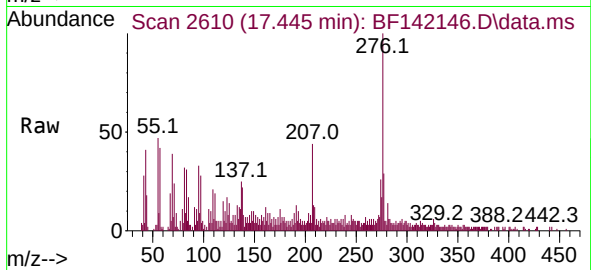
Acq: 28 Mar 2025 01:37

Instrument :

BNA_F

ClientSampleId :

TP-2



Tgt Ion:276 Resp: 26628

Ion Ratio Lower Upper

276 100

277 28.7 18.7 28.1#

138 22.3 15.8 23.8

