

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032725\
 Data File : BF142144.D
 Acq On : 28 Mar 2025 00:38
 Operator : RC/JU
 Sample : Q1648-09 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-7

Quant Time: Mar 28 01:59:31 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)

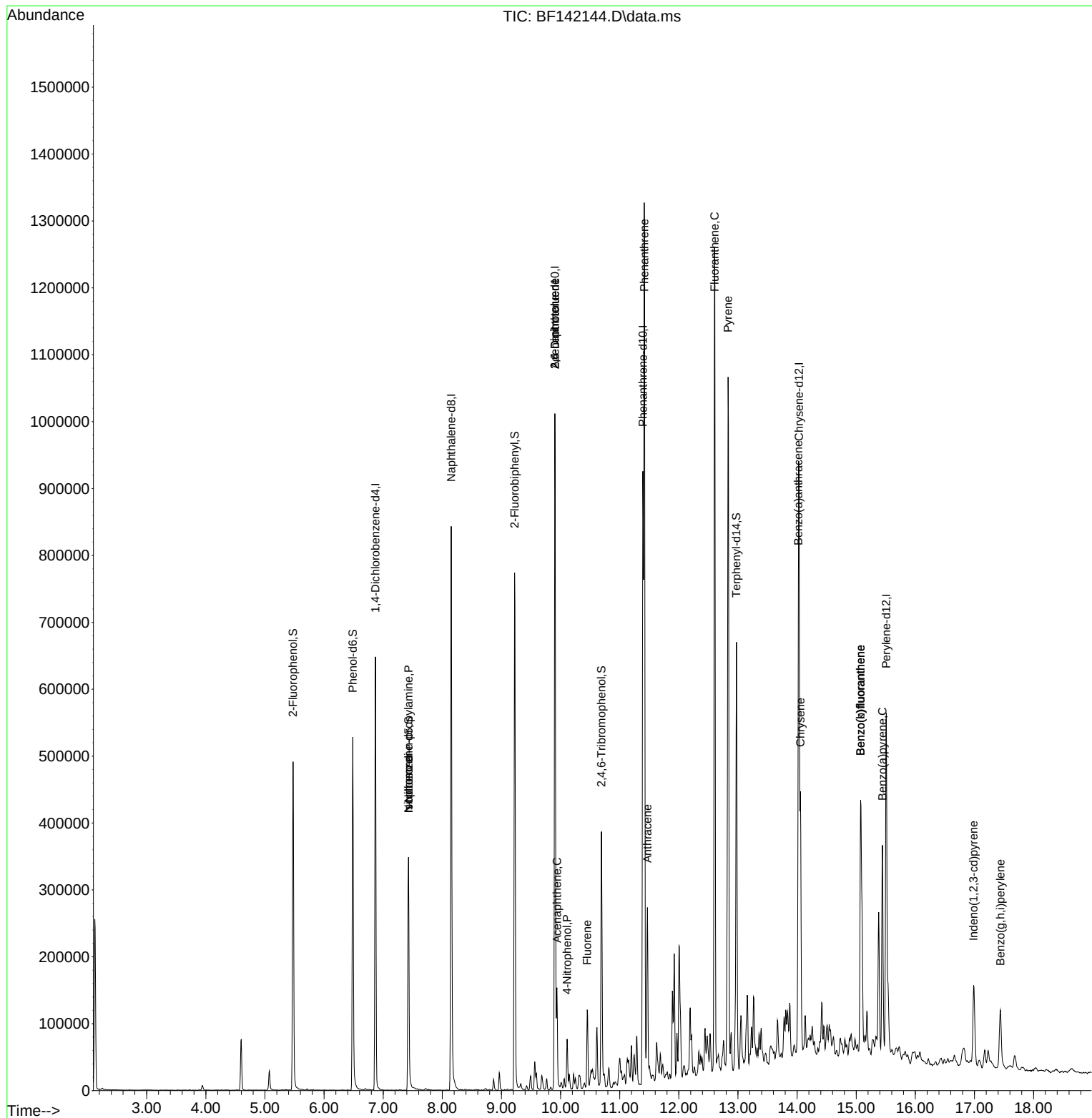
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	142225	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	566841	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	306944	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	466012	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	287886	20.000	ng	0.00
86) Perylene-d12	15.509	264	309269	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	200276	23.502	ng	-0.02
7) Phenol-d6	6.487	99	264151	24.345	ng	-0.02
23) Nitrobenzene-d5	7.428	82	175319	17.406	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	59660	15.321	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	361818	17.927	ng	-0.02
79) Terphenyl-d14	12.974	244	300024	15.408	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	23325	3.346	ng	# 78
25) Isophorone	7.428	82	167363	9.400	ng	# 64
51) 2,6-Dinitrotoluene	9.904	165	41059	9.174	ng	# 23
52) Acenaphthene	9.939	154	47675	2.630	ng	99
56) 4-Nitrophenol	10.110	139	15073	4.403	ng	# 6
57) 2,4-Dinitrotoluene	9.904	165	41060	7.024	ng	# 24
58) Fluorene	10.451	166	43286	2.167	ng	# 99
71) Phenanthrene	11.416	178	694285	27.583	ng	99
72) Anthracene	11.469	178	156317	6.190	ng	99
75) Fluoranthene	12.604	202	729925	27.338	ng	100
78) Pyrene	12.833	202	616962	24.775	ng	98
81) Benzo(a)anthracene	14.021	228	245319	12.986	ng	99
83) Chrysene	14.057	228	202945	11.851	ng	97
87) Indeno(1,2,3-cd)pyrene	16.986	276	94645	4.731	ng	94
88) Benzo(b)fluoranthene	15.074	252	349153	16.473	ng	99
89) Benzo(k)fluoranthene	15.074	252	349153	19.249	ng	99
90) Benzo(a)pyrene	15.445	252	198188	11.950	ng	98
92) Benzo(g,h,i)perylene	17.439	276	82702	5.070	ng	99

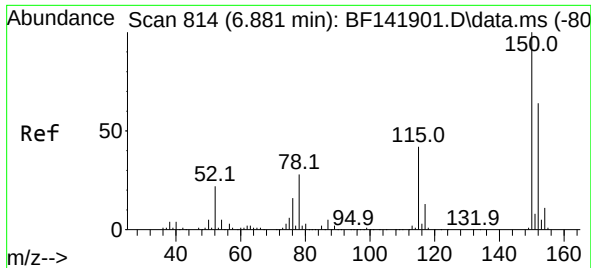
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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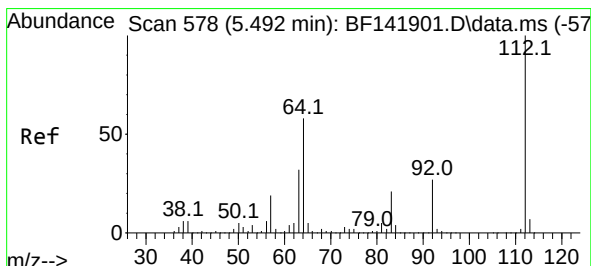
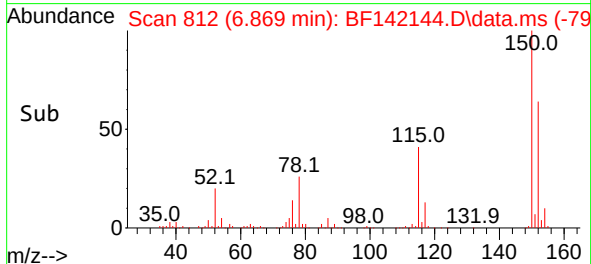
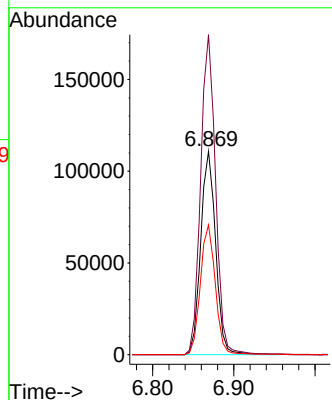
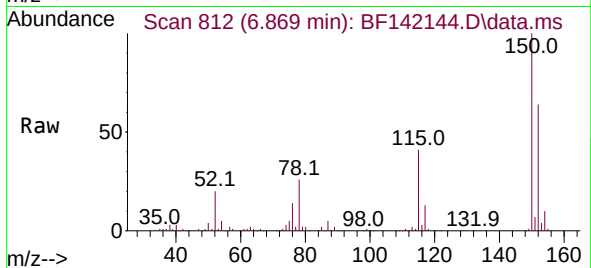




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 814
Delta R.T. -0.012 min
Lab File: BF142144.D
Acq: 28 Mar 2025 00:38

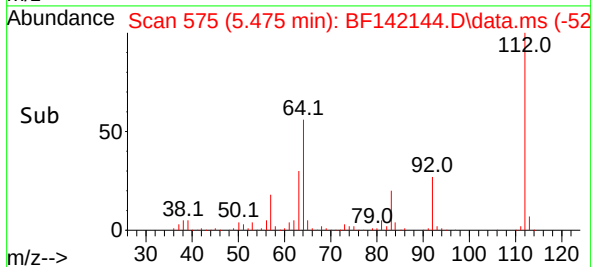
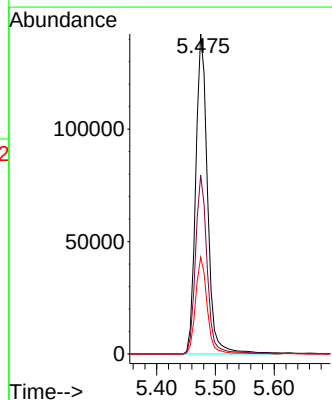
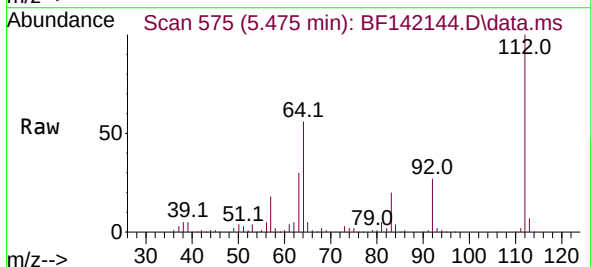
Instrument :
BNA_F
ClientSampleId :
TP-7

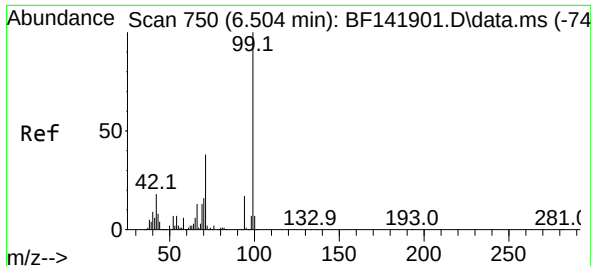
Tgt Ion:152 Resp: 142225
Ion Ratio Lower Upper
152 100
150 157.3 127.4 191.2
115 63.8 51.9 77.9



#5
2-Fluorophenol
Concen: 23.502 ng
RT: 5.475 min Scan# 575
Delta R.T. -0.018 min
Lab File: BF142144.D
Acq: 28 Mar 2025 00:38

Tgt Ion:112 Resp: 200276
Ion Ratio Lower Upper
112 100
64 55.9 46.5 69.7
63 30.2 25.4 38.2

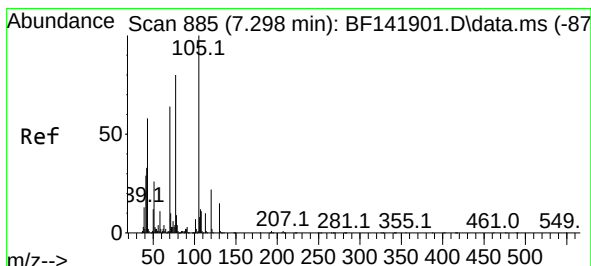
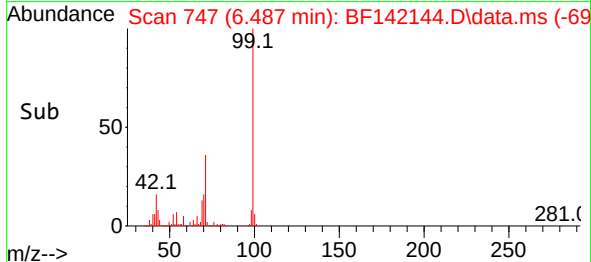
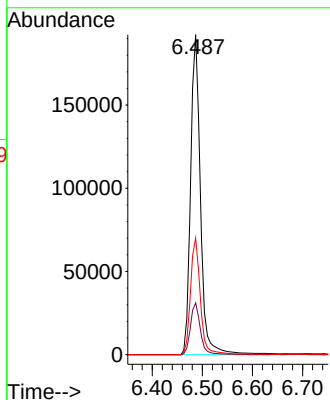
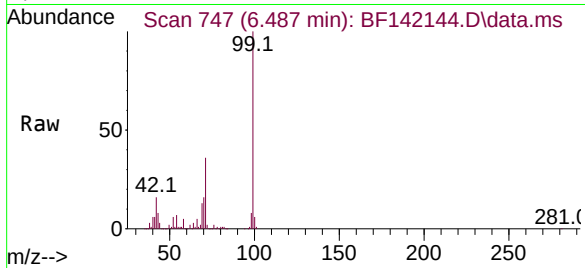




#7
Phenol-d6
Concen: 24.345 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF142144.D
Acq: 28 Mar 2025 00:38

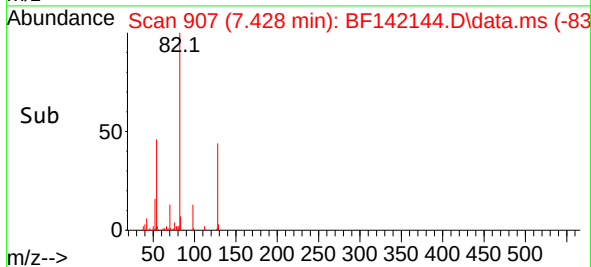
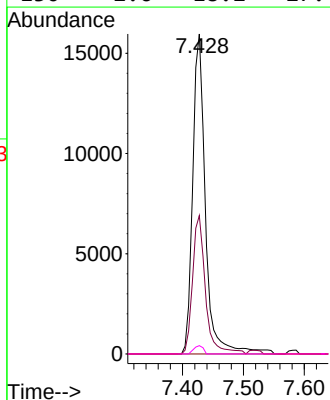
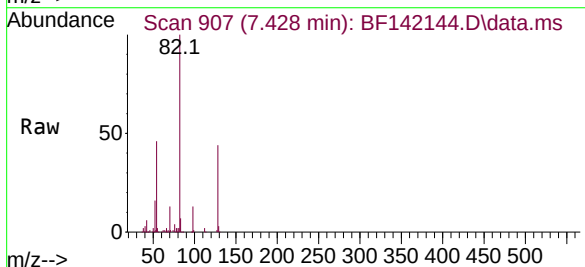
Instrument :
BNA_F
ClientSampleId :
TP-7

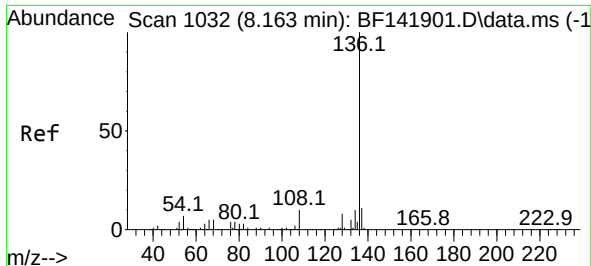
Tgt Ion: 99 Resp: 264151
Ion Ratio Lower Upper
99 100
42 16.2 14.6 21.8
71 36.4 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 3.346 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.129 min
Lab File: BF142144.D
Acq: 28 Mar 2025 00:38

Tgt Ion: 70 Resp: 23325
Ion Ratio Lower Upper
70 100
42 43.3 41.4 62.0
101 0.0 8.2 12.2#
130 2.6 18.2 27.4#



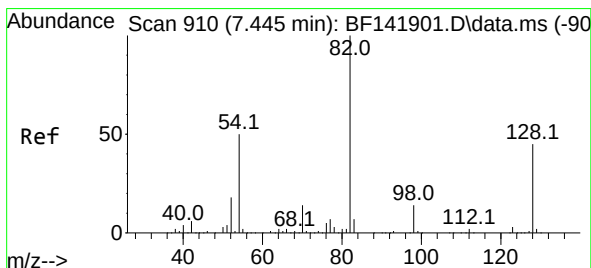
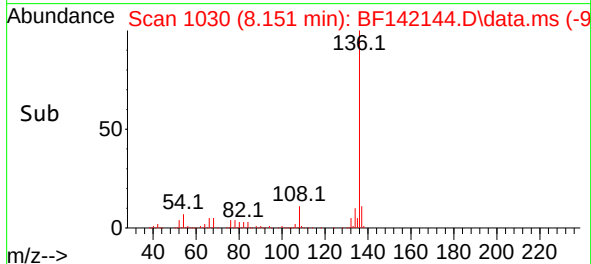
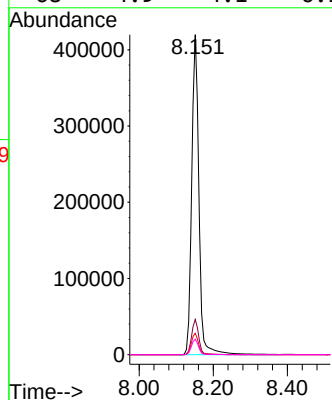
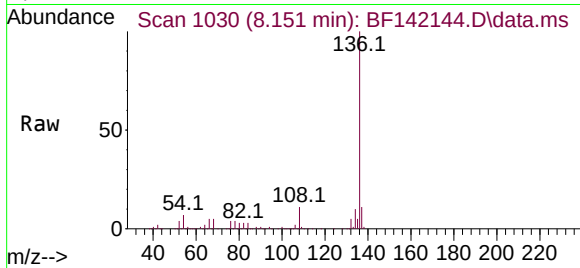


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF142144.D
Acq: 28 Mar 2025 00:38

Instrument :
BNA_F
ClientSampleId :
TP-7

Tgt Ion:136 Resp: 566841

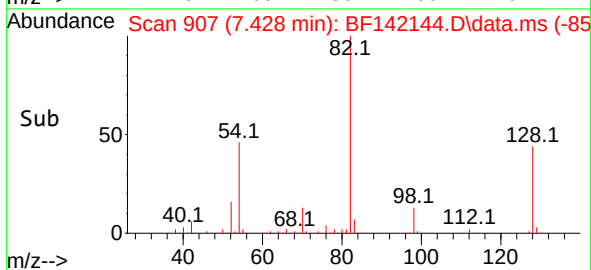
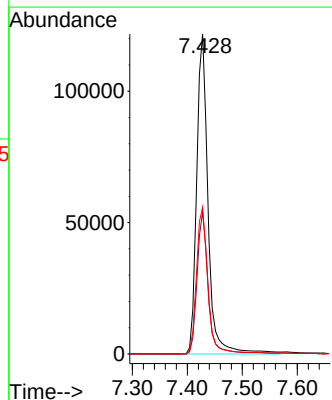
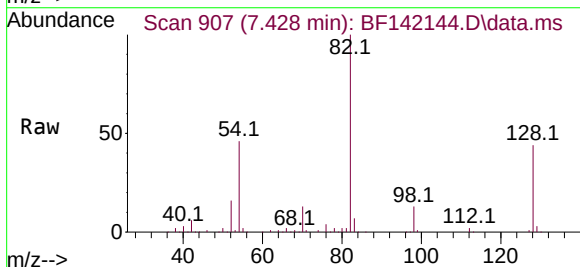
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	6.7	5.8	8.8
68	4.9	4.1	6.1

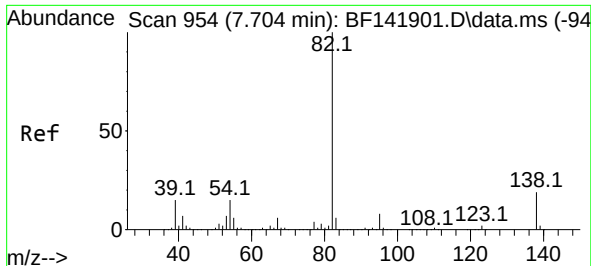


#23
Nitrobenzene-d5
Concen: 17.406 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.018 min
Lab File: BF142144.D
Acq: 28 Mar 2025 00:38

Tgt Ion: 82 Resp: 175319

Ion	Ratio	Lower	Upper
82	100		
128	44.3	36.0	54.0
54	45.9	39.6	59.4

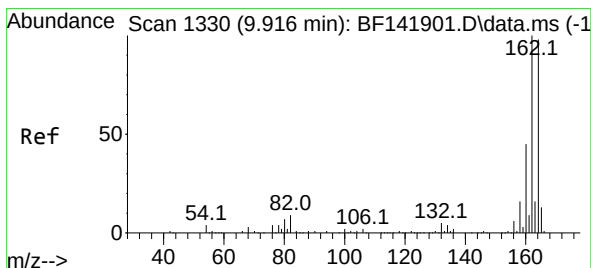
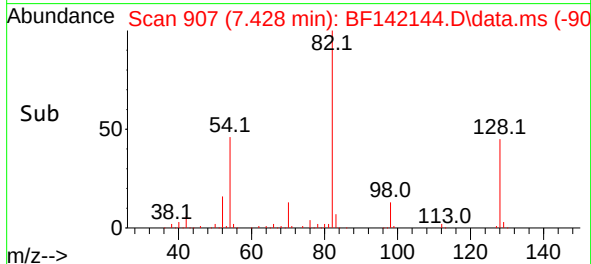
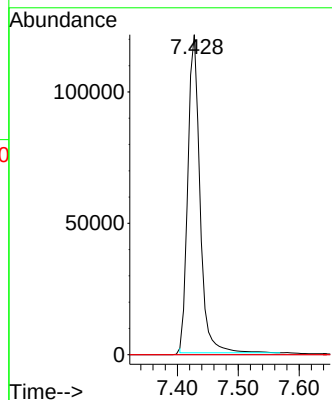
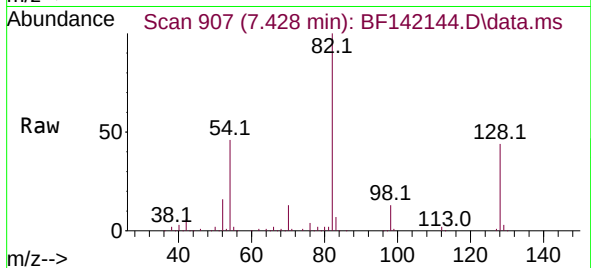




#25
Isophorone
Concen: 9.400 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.276 min
Lab File: BF142144.D
Acq: 28 Mar 2025 00:38

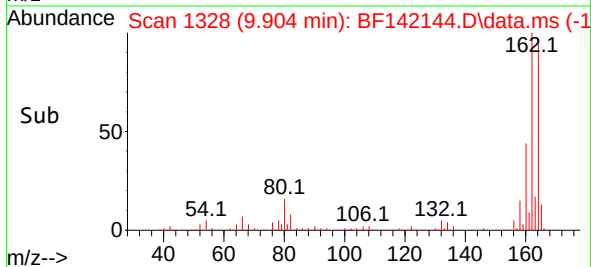
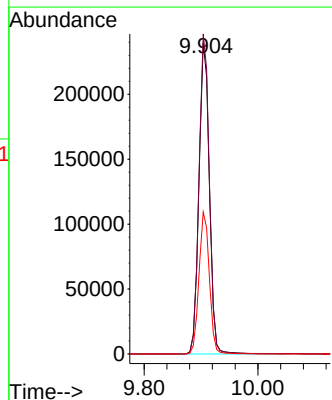
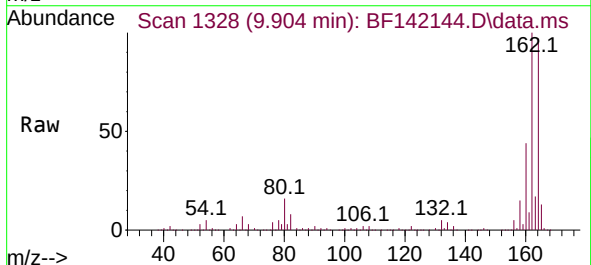
Instrument :
BNA_F
ClientSampleId :
TP-7

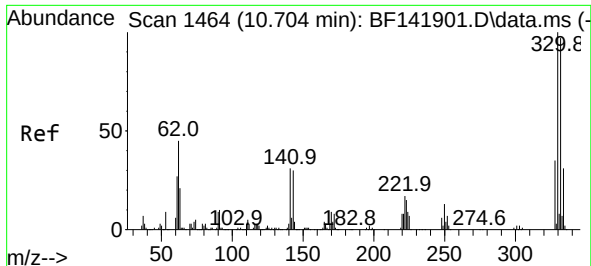
Tgt Ion: 82 Resp: 167363
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142144.D
Acq: 28 Mar 2025 00:38

Tgt Ion:164 Resp: 306944
Ion Ratio Lower Upper
164 100
162 102.8 81.8 122.6
160 45.6 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 15.321 ng

RT: 10.692 min Scan# 1462

Delta R.T. -0.012 min

Lab File: BF142144.D

Acq: 28 Mar 2025 00:38

Instrument :

BNA_F

ClientSampleId :

TP-7

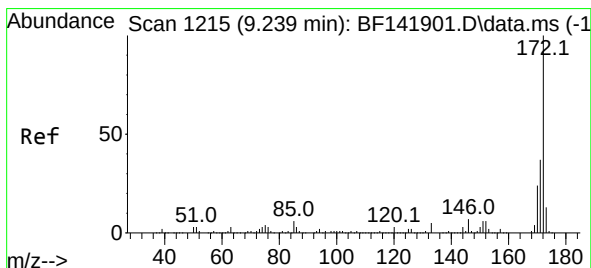
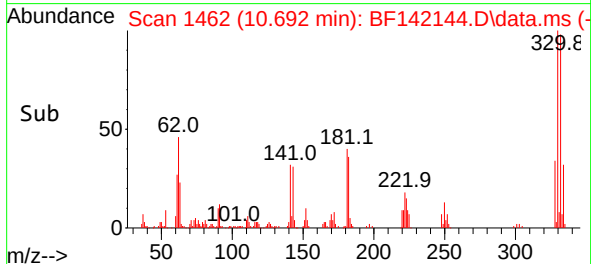
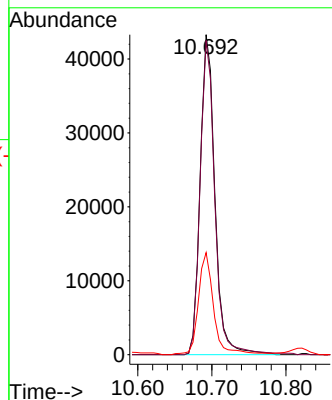
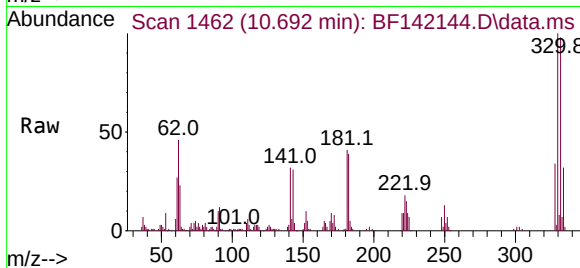
Tgt Ion:330 Resp: 59660

Ion Ratio Lower Upper

330 100

332 98.1 77.6 116.4

141 33.2 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 17.927 ng

RT: 9.222 min Scan# 1212

Delta R.T. -0.018 min

Lab File: BF142144.D

Acq: 28 Mar 2025 00:38

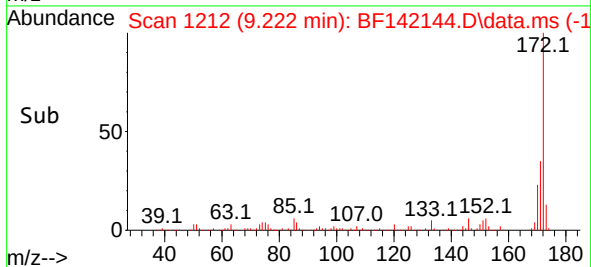
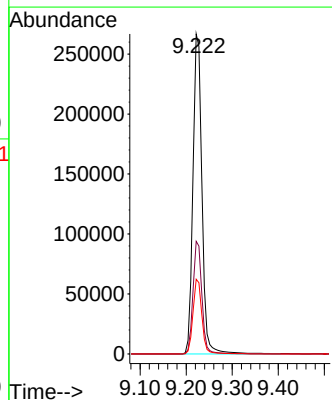
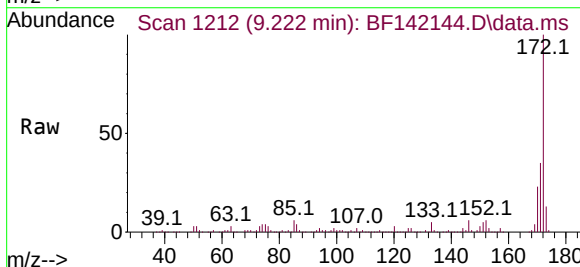
Tgt Ion:172 Resp: 361818

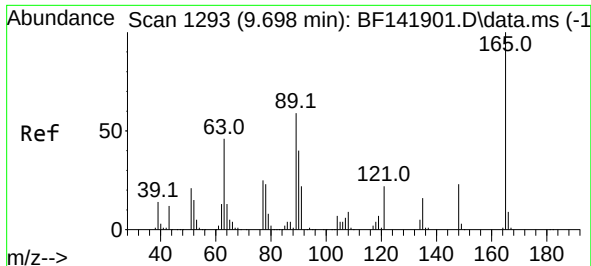
Ion Ratio Lower Upper

172 100

171 35.2 29.3 43.9

170 23.4 19.4 29.0

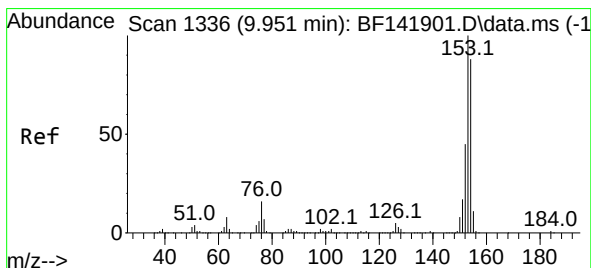
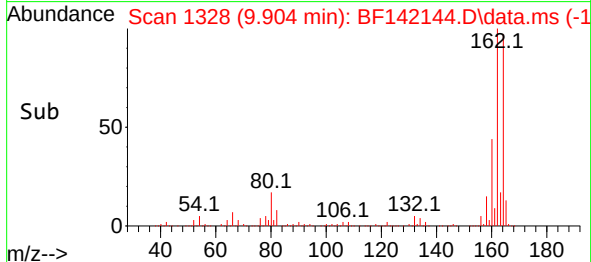
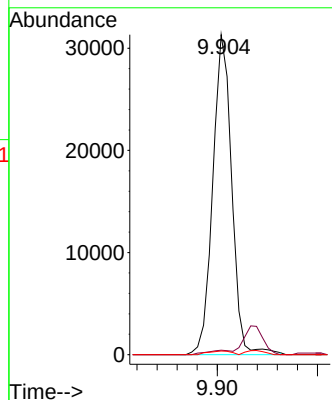
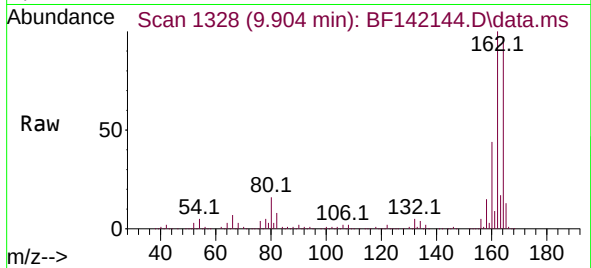




#51
2,6-Dinitrotoluene
Concen: 9.174 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142144.D
Acq: 28 Mar 2025 00:38

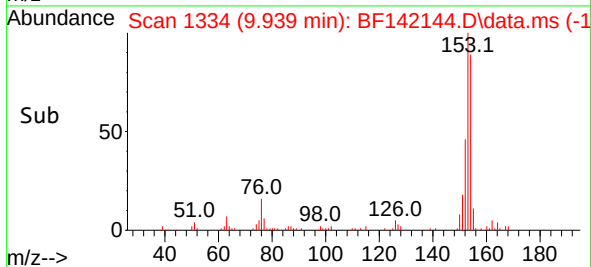
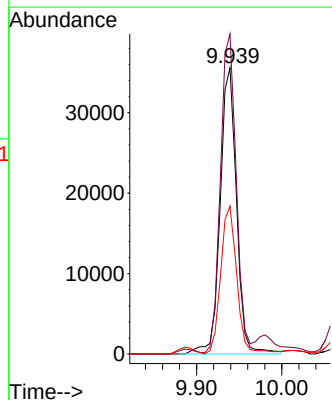
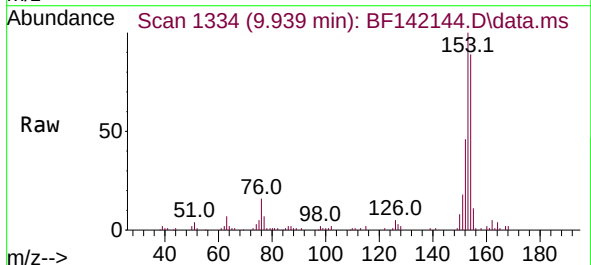
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TP-7

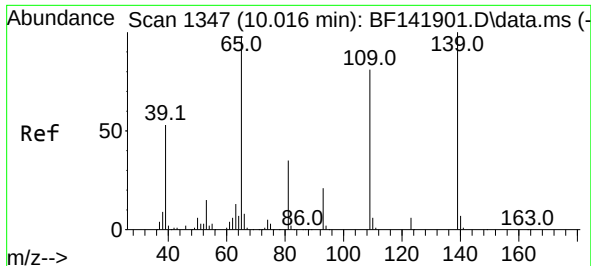
Tgt Ion:165 Resp: 41059
Ion Ratio Lower Upper
165 100
63 1.4 47.0 70.4#
89 1.2 47.4 71.2#



#52
Acenaphthene
Concen: 2.630 ng
RT: 9.939 min Scan# 1334
Delta R.T. -0.012 min
Lab File: BF142144.D
Acq: 28 Mar 2025 00:38

Tgt Ion:154 Resp: 47675
Ion Ratio Lower Upper
154 100
153 111.8 90.7 136.1
152 51.6 41.1 61.7

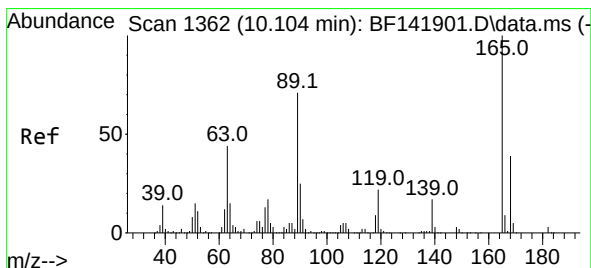
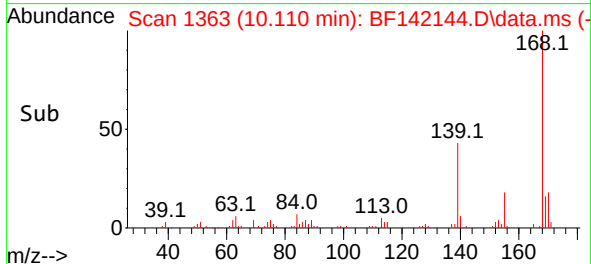
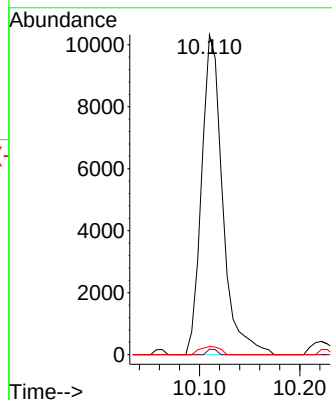
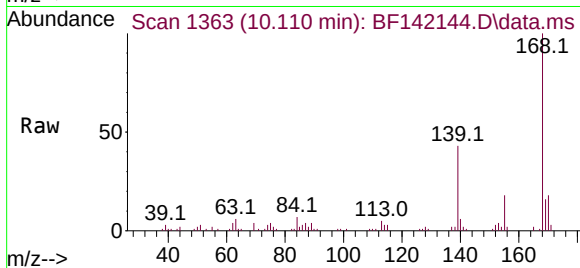




#56
4-Nitrophenol
Concen: 4.403 ng
RT: 10.110 min Scan# 1347
Delta R.T. 0.094 min
Lab File: BF142144.D
Acq: 28 Mar 2025 00:38

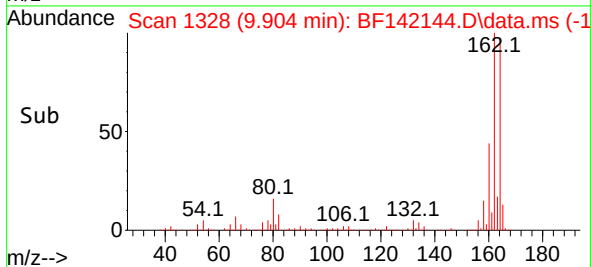
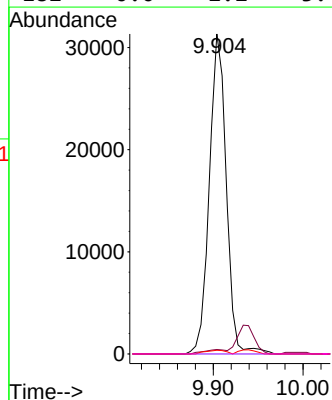
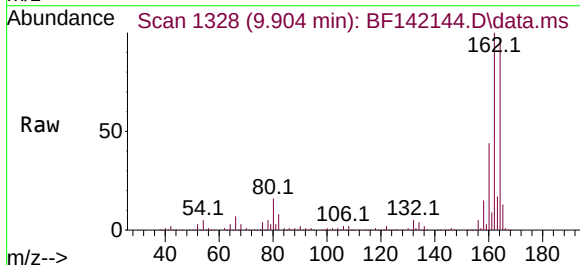
Instrument :
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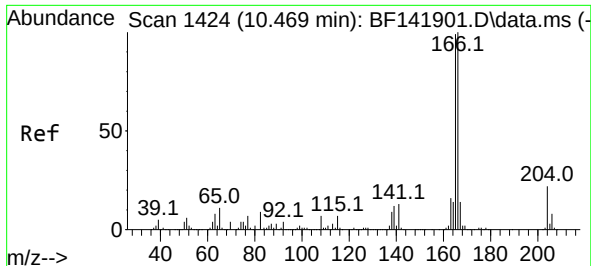
Tgt Ion:139 Resp: 15073
Ion Ratio Lower Upper
139 100
109 1.7 61.6 101.6#
65 2.5 79.4 119.4#



#57
2,4-Dinitrotoluene
Concen: 7.024 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.200 min
Lab File: BF142144.D
Acq: 28 Mar 2025 00:38

Tgt Ion:165 Resp: 41060
Ion Ratio Lower Upper
165 100
63 1.4 35.4 53.2#
89 1.2 56.6 84.8#
182 0.0 2.2 3.4#

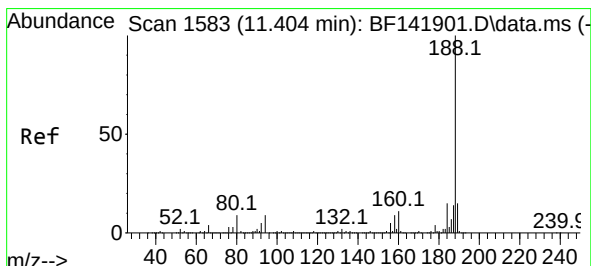
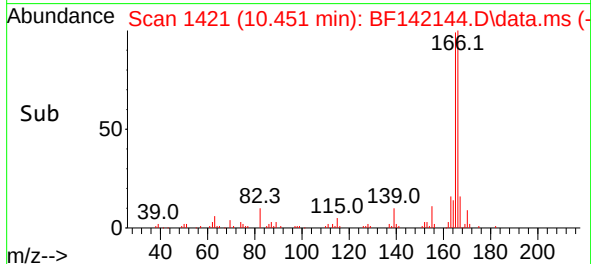
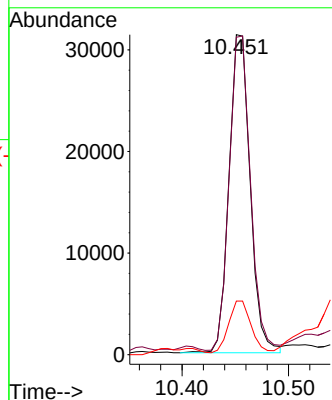
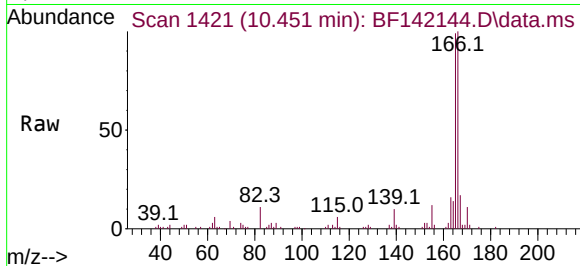




#58
Fluorene
Concen: 2.167 ng
RT: 10.451 min Scan# 1421
Delta R.T. -0.018 min
Lab File: BF142144.D
Acq: 28 Mar 2025 00:38

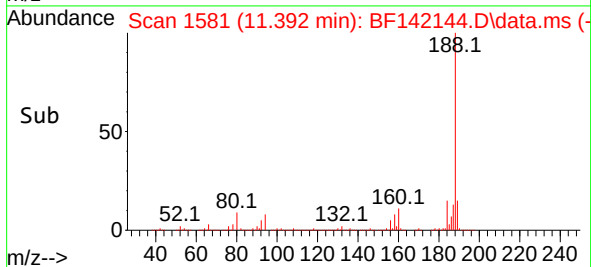
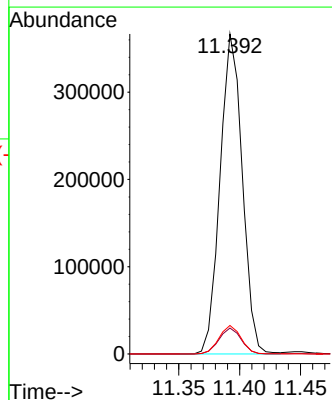
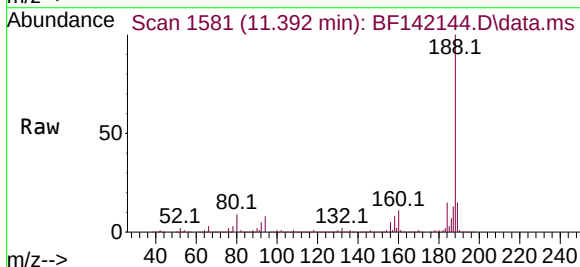
Instrument :
BNA_F
ClientSampleId :
TP-7

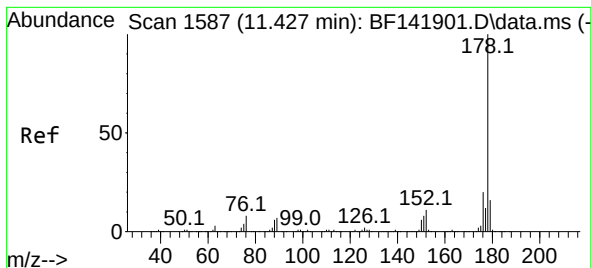
Tgt Ion:166 Resp: 43286
Ion Ratio Lower Upper
166 100
165 99.2 79.0 118.4
167 16.8 11.0 16.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF142144.D
Acq: 28 Mar 2025 00:38

Tgt Ion:188 Resp: 466012
Ion Ratio Lower Upper
188 100
94 8.1 6.8 10.2
80 8.9 7.6 11.4

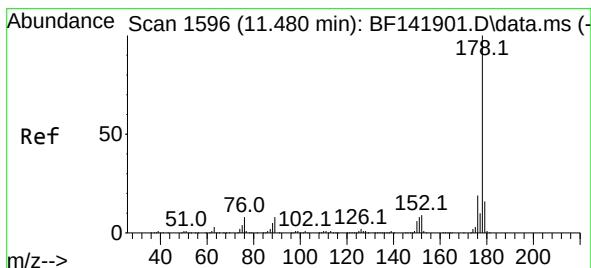
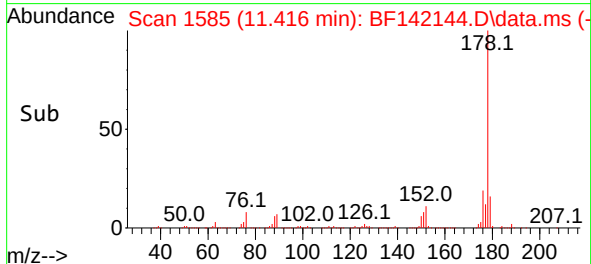
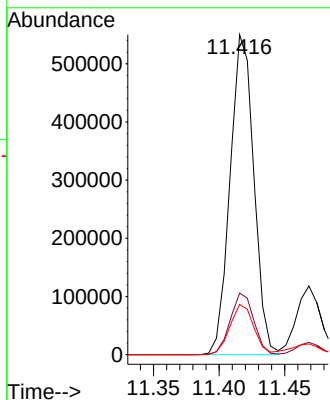
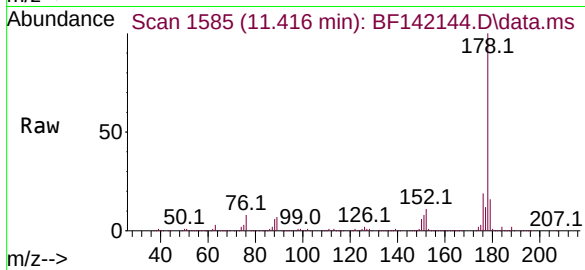




#71
Phenanthrene
Concen: 27.583 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.012 min
Lab File: BF142144.D
Acq: 28 Mar 2025 00:38

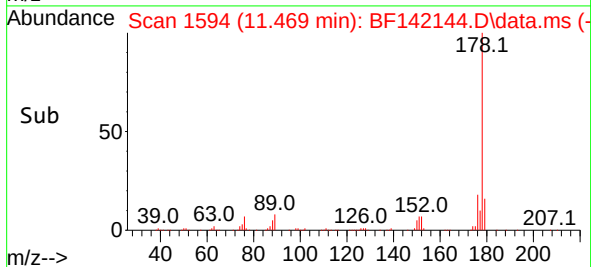
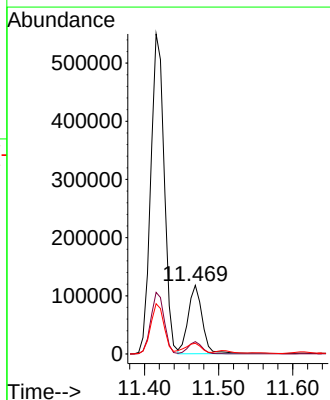
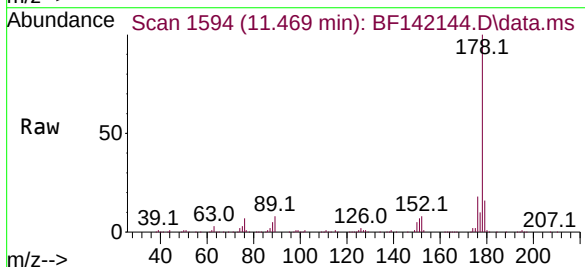
Instrument :
BNA_F
ClientSampleId :
TP-7

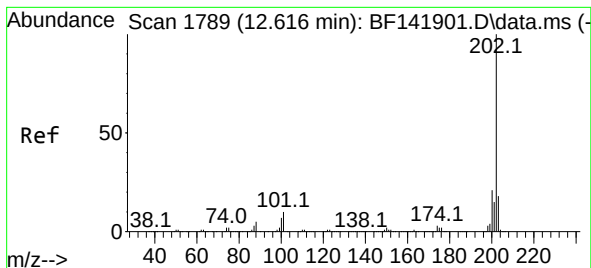
Tgt Ion:178 Resp: 694285
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.8
179 15.7 12.6 19.0



#72
Anthracene
Concen: 6.190 ng
RT: 11.469 min Scan# 1594
Delta R.T. -0.012 min
Lab File: BF142144.D
Acq: 28 Mar 2025 00:38

Tgt Ion:178 Resp: 156317
Ion Ratio Lower Upper
178 100
176 18.0 15.1 22.7
179 15.7 12.6 19.0





#75

Fluoranthene

Concen: 27.338 ng

RT: 12.604 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142144.D

Acq: 28 Mar 2025 00:38

Instrument :

BNA_F

ClientSampleId :

TP-7

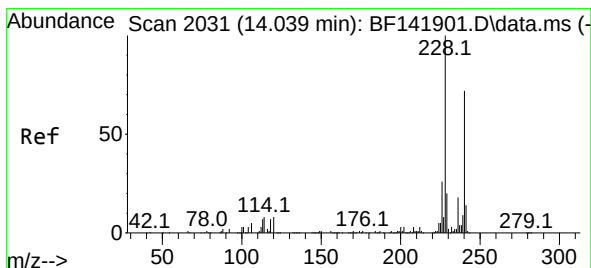
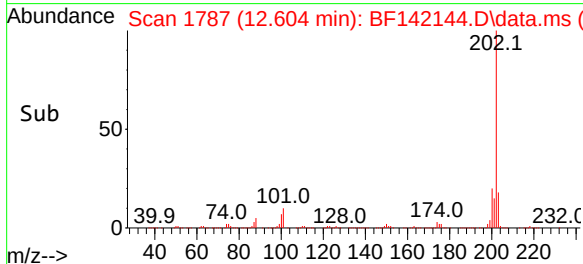
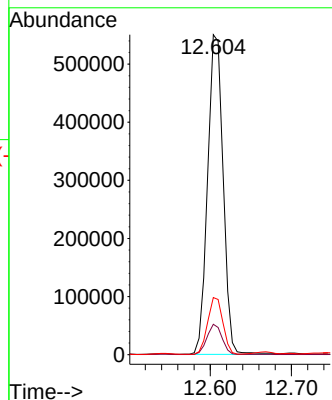
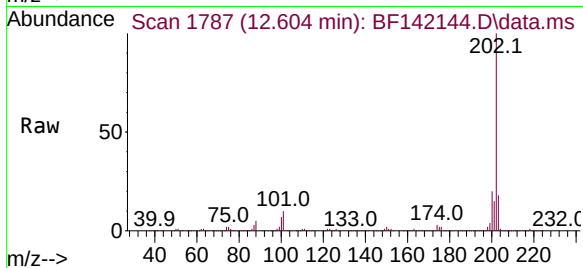
Tgt Ion:202 Resp: 729925

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# 2030

Delta R.T. -0.006 min

Lab File: BF142144.D

Acq: 28 Mar 2025 00:38

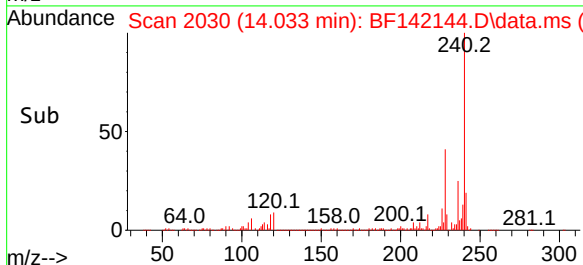
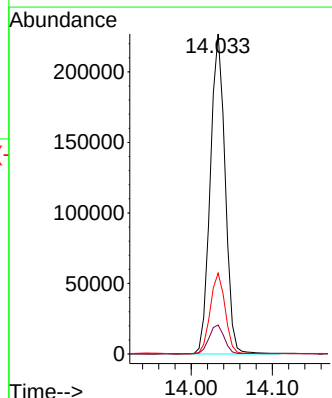
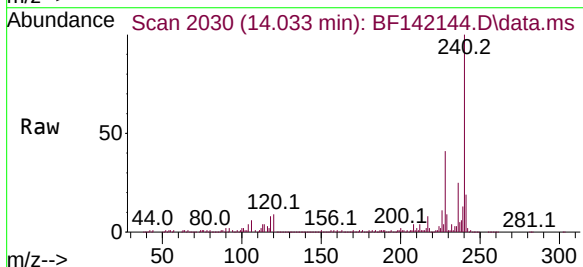
Tgt Ion:240 Resp: 287886

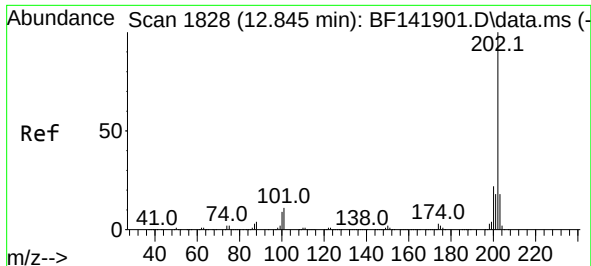
Ion Ratio Lower Upper

240 100

120 9.0 8.4 12.6

236 25.2 20.5 30.7

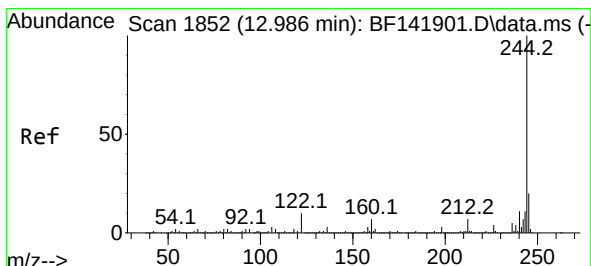
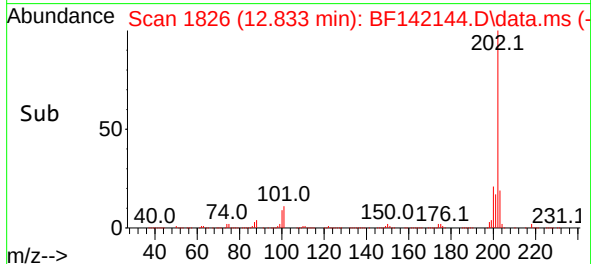
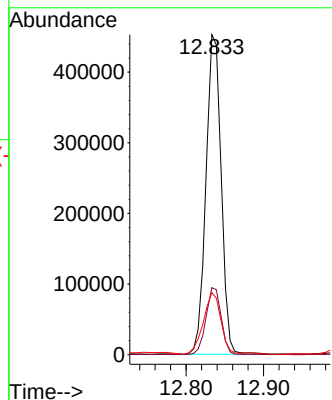
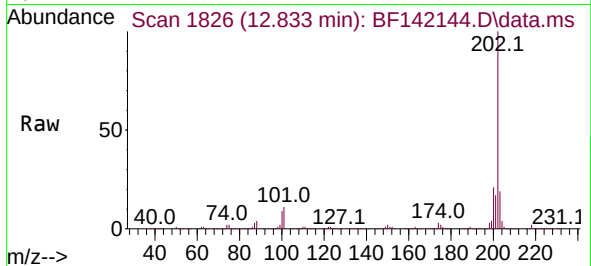




#78
Pyrene
Concen: 24.775 ng
RT: 12.833 min Scan# 1826
Delta R.T. -0.012 min
Lab File: BF142144.D
Acq: 28 Mar 2025 00:38

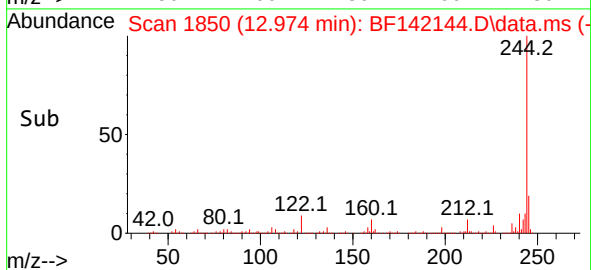
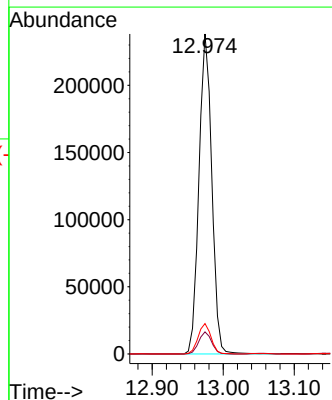
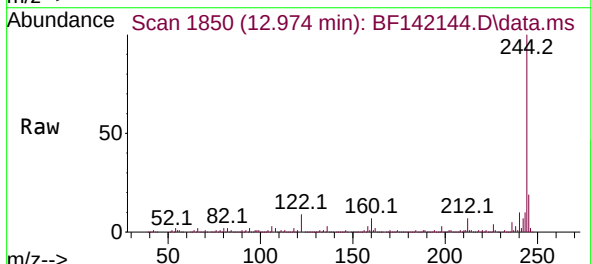
Instrument :
BNA_F
ClientSampleId :
TP-7

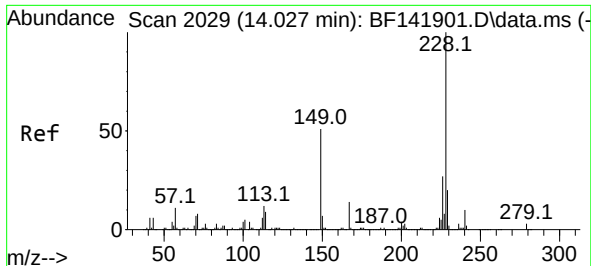
Tgt Ion:202 Resp: 616962
Ion Ratio Lower Upper
202 100
200 21.0 17.3 25.9
203 19.4 14.4 21.6



#79
Terphenyl-d14
Concen: 15.408 ng
RT: 12.974 min Scan# 1850
Delta R.T. -0.012 min
Lab File: BF142144.D
Acq: 28 Mar 2025 00:38

Tgt Ion:244 Resp: 300024
Ion Ratio Lower Upper
244 100
212 6.9 6.0 9.0
122 9.5 7.7 11.5

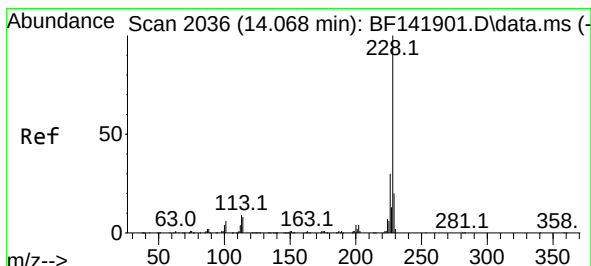
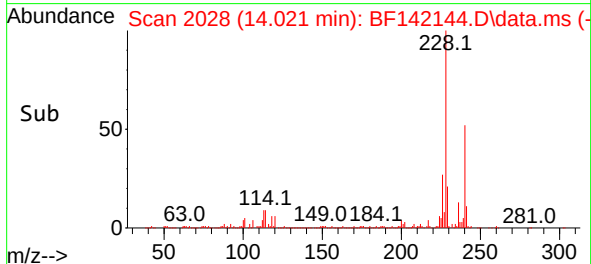
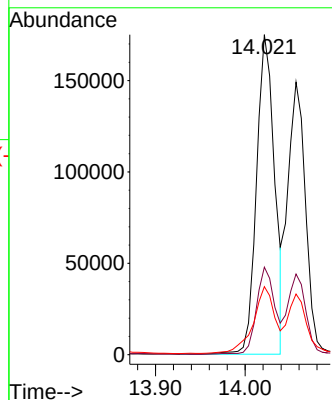
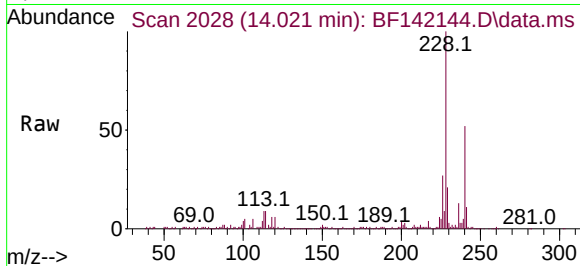




#81
Benzo(a)anthracene
Concen: 12.986 ng
RT: 14.021 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF142144.D
Acq: 28 Mar 2025 00:38

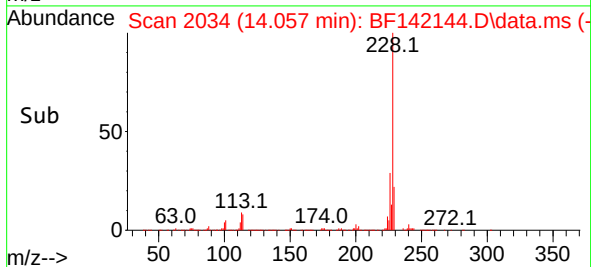
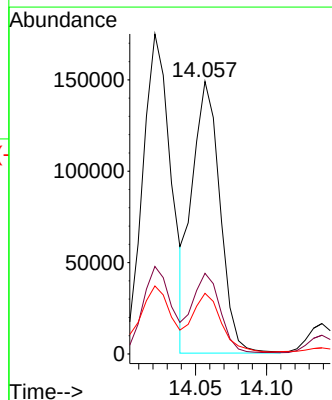
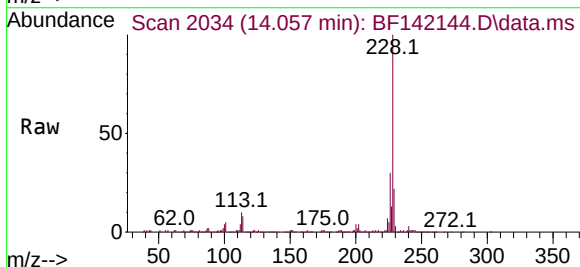
Instrument :
BNA_F
ClientSampleId :
TP-7

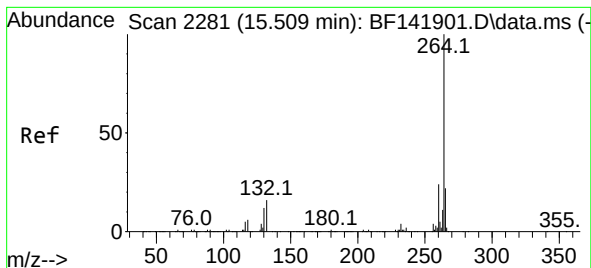
Tgt Ion:228 Resp: 245319
Ion Ratio Lower Upper
228 100
226 27.4 21.8 32.8
229 21.2 16.0 24.0



#83
Chrysene
Concen: 11.851 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.012 min
Lab File: BF142144.D
Acq: 28 Mar 2025 00:38

Tgt Ion:228 Resp: 202945
Ion Ratio Lower Upper
228 100
226 29.6 24.1 36.1
229 22.3 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.509 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF142144.D

Acq: 28 Mar 2025 00:38

Instrument :

BNA_F

ClientSampleId :

TP-7

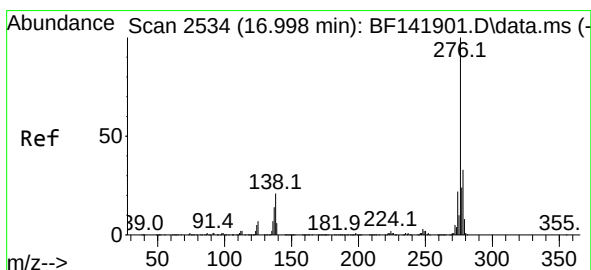
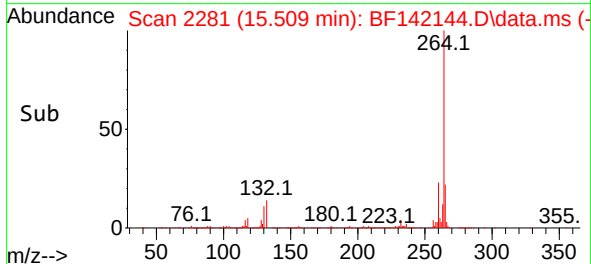
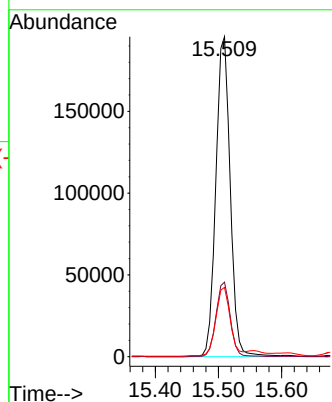
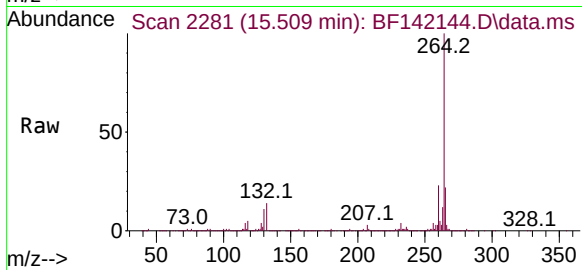
Tgt Ion:264 Resp: 309269

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: 4.731 ng

RT: 16.986 min Scan# 2532

Delta R.T. -0.012 min

Lab File: BF142144.D

Acq: 28 Mar 2025 00:38

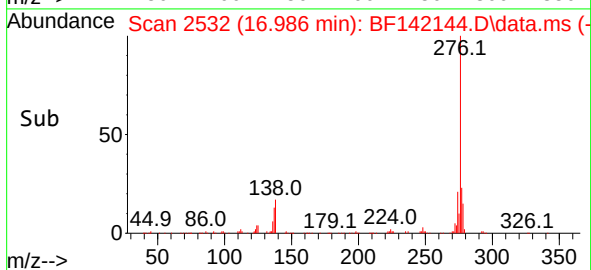
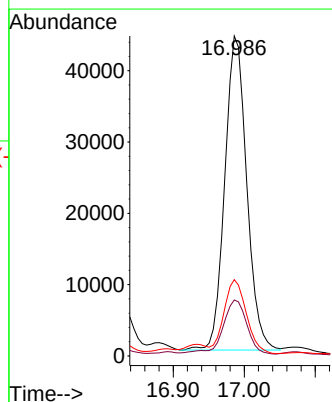
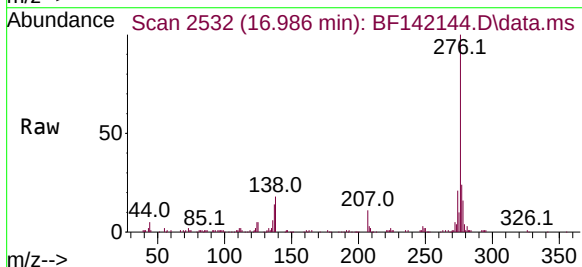
Tgt Ion:276 Resp: 94645

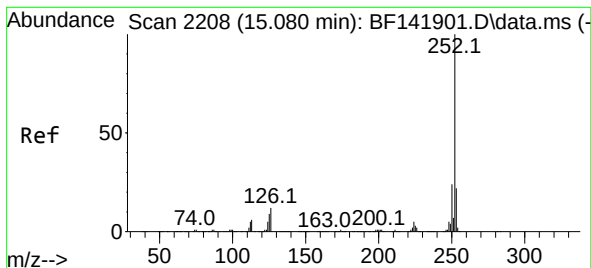
Ion Ratio Lower Upper

276 100

138 18.6 18.4 27.6

277 24.0 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 16.473 ng

RT: 15.074 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142144.D

Acq: 28 Mar 2025 00:38

Instrument :

BNA_F

ClientSampleId :

TP-7

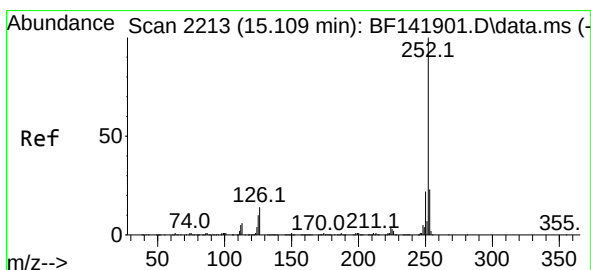
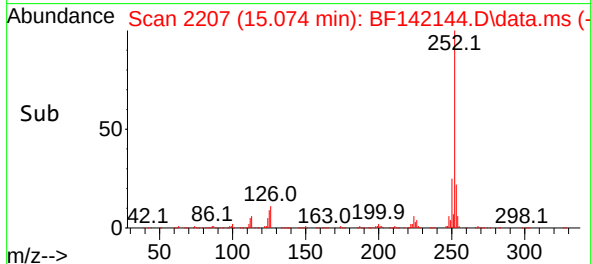
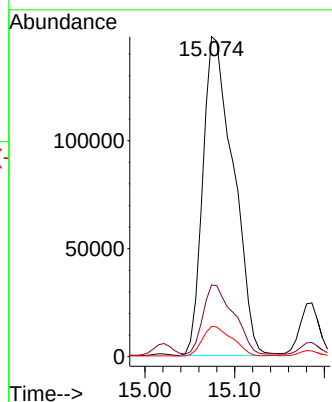
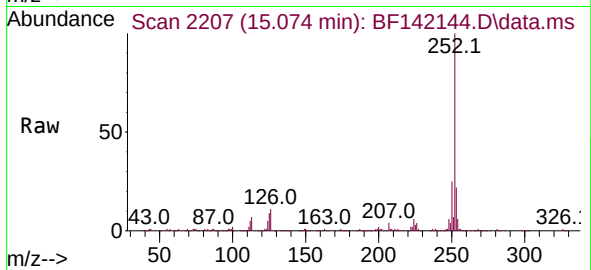
Tgt Ion:252 Resp: 349153

Ion Ratio Lower Upper

252 100

253 22.4 17.5 26.3

125 9.4 7.0 10.4



#89

Benzo(k)fluoranthene

Concen: 19.249 ng

RT: 15.074 min Scan# 2207

Delta R.T. -0.035 min

Lab File: BF142144.D

Acq: 28 Mar 2025 00:38

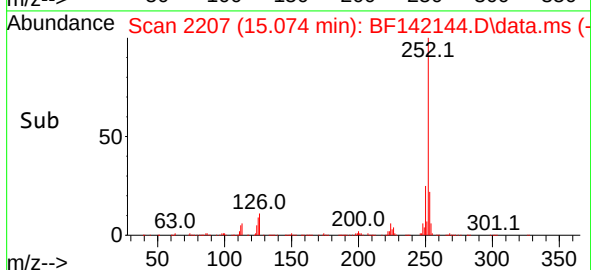
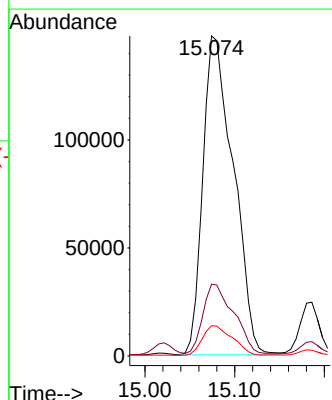
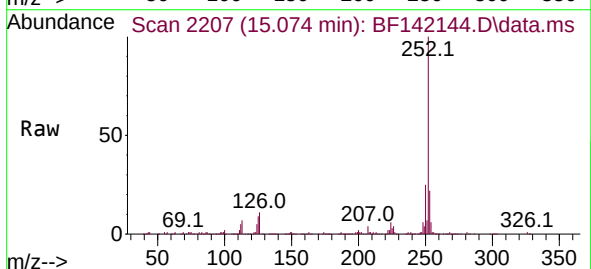
Tgt Ion:252 Resp: 349153

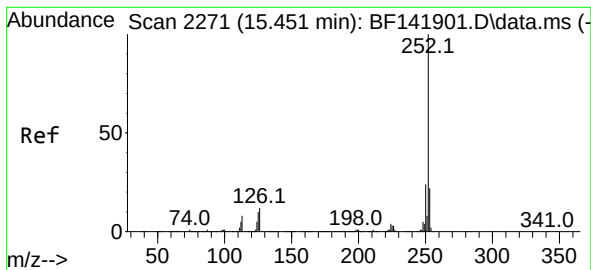
Ion Ratio Lower Upper

252 100

253 22.4 17.7 26.5

125 9.4 7.2 10.8





#90

Benzo(a)pyrene

Concen: 11.950 ng

RT: 15.445 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142144.D

Acq: 28 Mar 2025 00:38

Instrument :

BNA_F

ClientSampleId :

TP-7

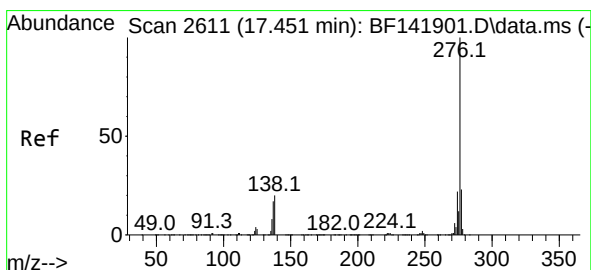
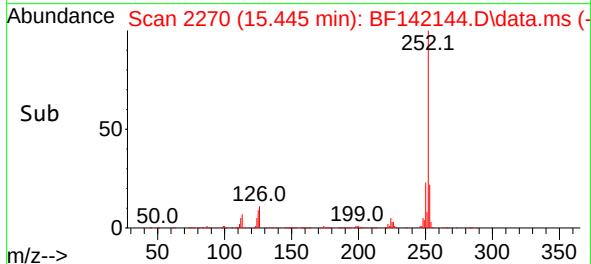
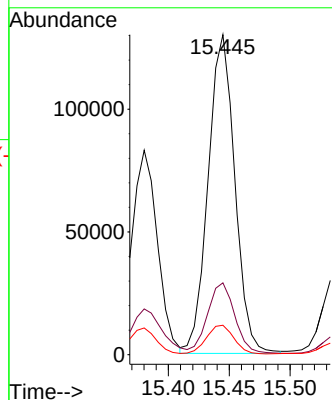
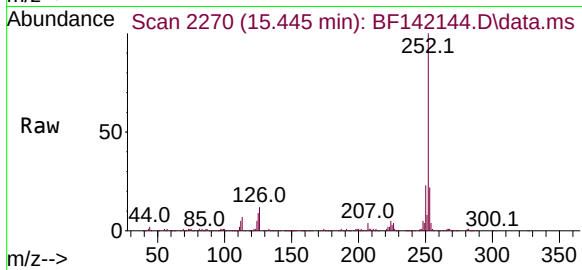
Tgt Ion:252 Resp: 198188

Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.0

125 9.2 7.8 11.8



#92

Benzo(g,h,i)perylene

Concen: 5.070 ng

RT: 17.439 min Scan# 2609

Delta R.T. -0.012 min

Lab File: BF142144.D

Acq: 28 Mar 2025 00:38

Tgt Ion:276 Resp: 82702

Ion Ratio Lower Upper

276 100

277 23.1 18.7 28.1

138 18.8 15.8 23.8

