

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
 Data File : BF143206.D
 Acq On : 22 Jul 2025 23:43
 Operator : RC/JU
 Sample : Q2649-17
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-5

Quant Time: Jul 23 04:55:54 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

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

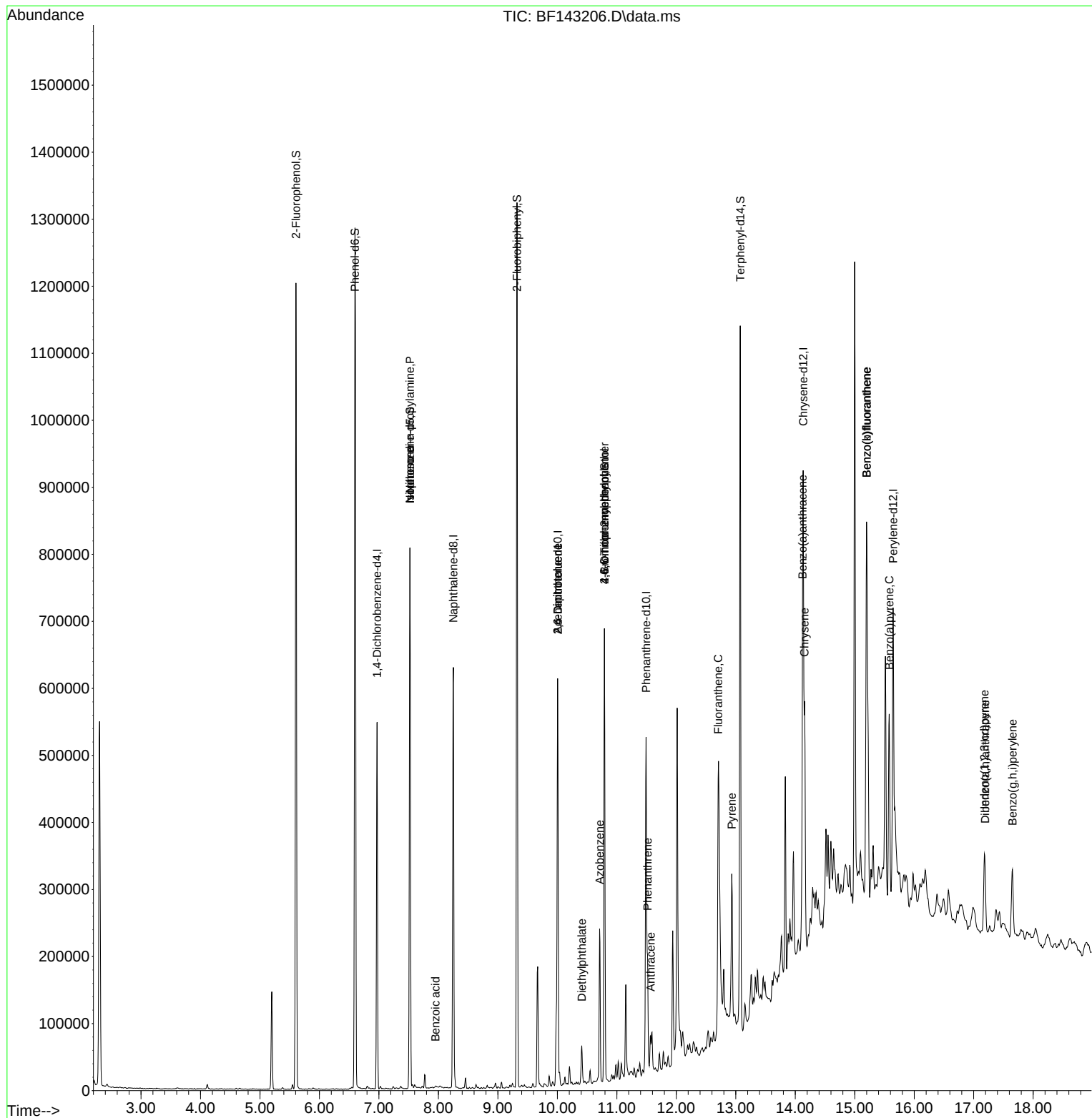
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	109247	20.000	ng	0.00
21) Naphthalene-d8	8.251	136	387784	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	173436	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	246723	20.000	ng	0.00
76) Chrysene-d12	14.133	240	263072	20.000	ng	0.01
86) Perylene-d12	15.645	264	241200	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.604	112	418973	60.689	ng	0.02
7) Phenol-d6	6.598	99	566257	65.166	ng	0.01
23) Nitrobenzene-d5	7.522	82	328441	42.219	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	105963	59.141	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	555137	43.775	ng	0.00
79) Terphenyl-d14	13.074	244	486651	27.528	ng	0.00
Target Compounds					Qvalue	
19) n-Nitroso-di-n-propyla...	7.522	70	45189	8.106	ng	# 81
25) Isophorone	7.522	82	324891	23.657	ng	# 66
32) Benzoic acid	7.951	122	466	5.293	ng	# 34
51) 2,6-Dinitrotoluene	10.004	165	22718	9.878	ng	# 22
57) 2,4-Dinitrotoluene	10.004	165	22719	7.874	ng	# 21
60) Diethylphthalate	10.410	149	32057	2.869	ng	98
63) Azobenzene	10.710	77	56363	4.840	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.792	198	60	5.454	ng	# 1
67) 4-Bromophenyl-phenylether	10.792	248	6805	2.314	ng	# 1
71) Phenanthrene	11.516	178	78996	6.030	ng	99
72) Anthracene	11.569	178	30036	2.248	ng	98
75) Fluoranthene	12.704	202	130314	10.838	ng	99
78) Pyrene	12.933	202	124721	5.555	ng	98
81) Benzo(a)anthracene	14.121	228	142938	8.116	ng	96
83) Chrysene	14.157	228	196779	12.426	ng	99
87) Indeno(1,2,3-cd)pyrene	17.180	276	88525	5.205	ng	96
88) Benzo(b)fluoranthene	15.198	252	506506	34.374	ng	97
89) Benzo(k)fluoranthene	15.198	252	506506	38.521	ng	98
90) Benzo(a)pyrene	15.580	252	183826	13.540	ng	98
91) Dibenzo(a,h)anthracene	17.192	278	28695	2.073	ng	95
92) Benzo(g,h,i)perylene	17.650	276	86032	6.425	ng	99

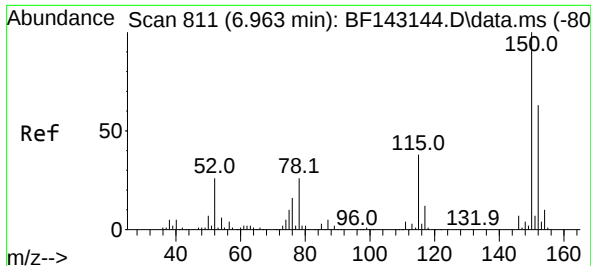
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
Data File : BF143206.D
Acq On : 22 Jul 2025 23:43
Operator : RC/JU
Sample : Q2649-17
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-5

Quant Time: Jul 23 04:55:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

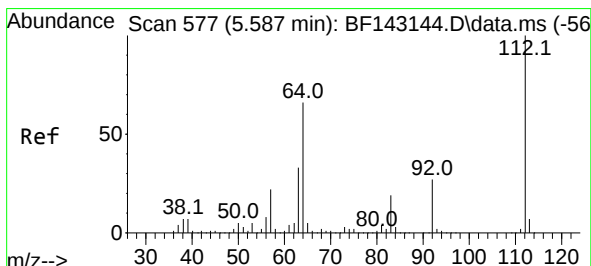
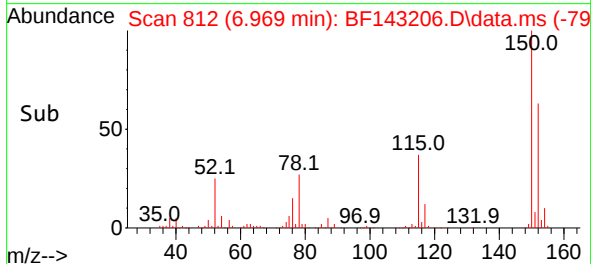
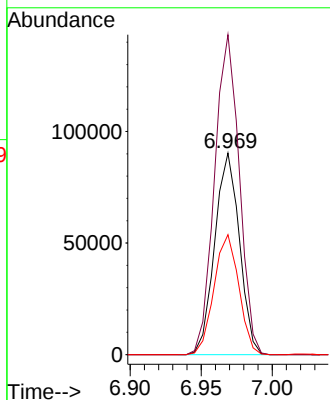
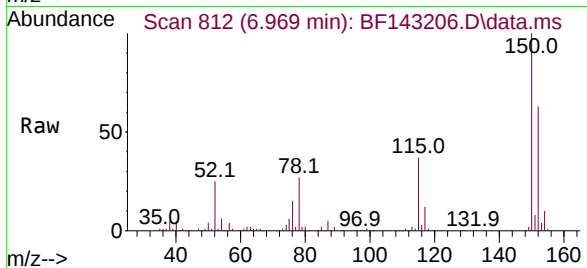




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 811
Delta R.T. 0.006 min
Lab File: BF143206.D
Acq: 22 Jul 2025 23:43

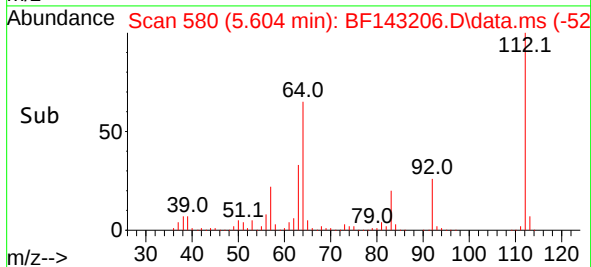
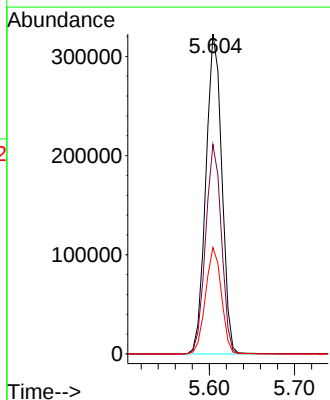
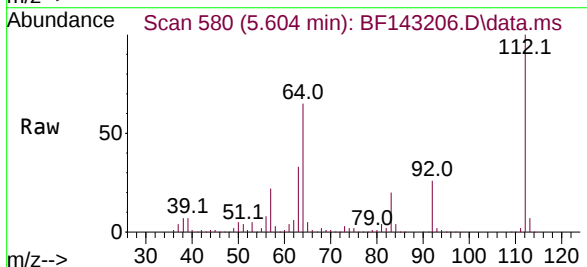
Instrument :
BNA_F
ClientSampleId :
WC-5

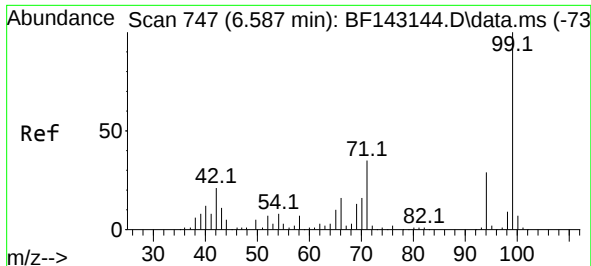
Tgt Ion:152 Resp: 109247
Ion Ratio Lower Upper
152 100
150 158.8 128.2 192.4
115 59.5 47.9 71.9



#5
2-Fluorophenol
Concen: 60.689 ng
RT: 5.604 min Scan# 580
Delta R.T. 0.018 min
Lab File: BF143206.D
Acq: 22 Jul 2025 23:43

Tgt Ion:112 Resp: 418973
Ion Ratio Lower Upper
112 100
64 65.5 53.1 79.7
63 33.2 26.6 40.0

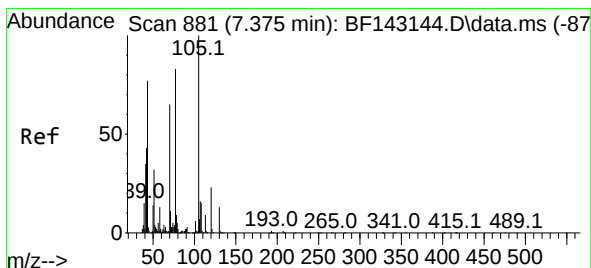
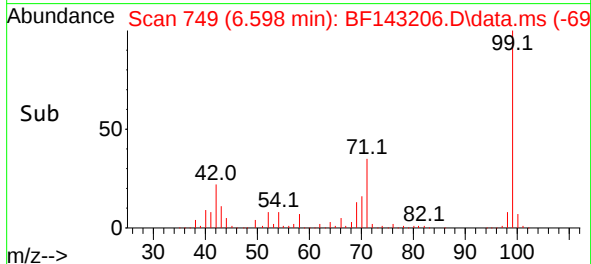
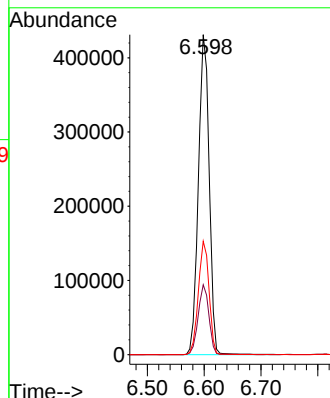
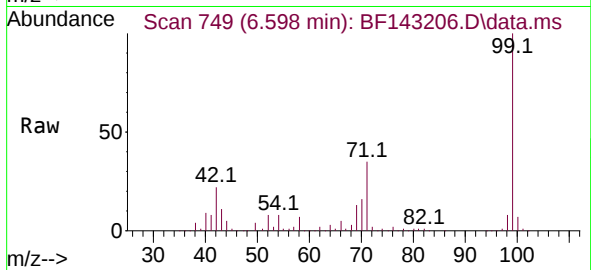




#7
Phenol-d6
Concen: 65.166 ng
RT: 6.598 min Scan# 74
Delta R.T. 0.012 min
Lab File: BF143206.D
Acq: 22 Jul 2025 23:43

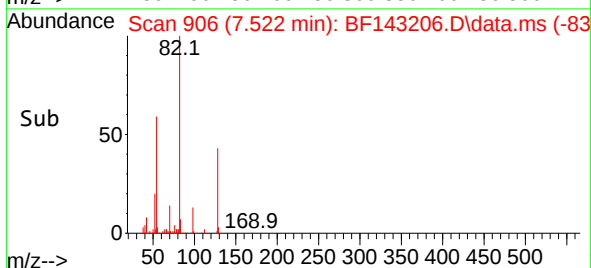
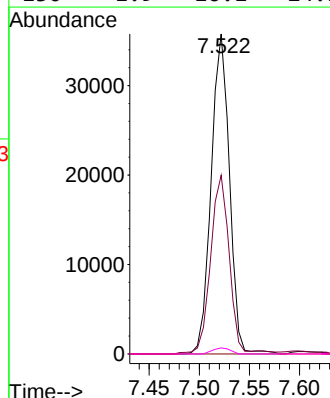
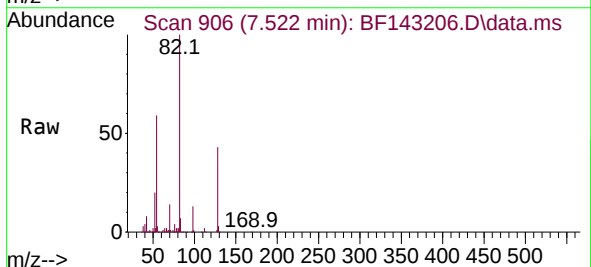
Instrument :
BNA_F
ClientSampleId :
WC-5

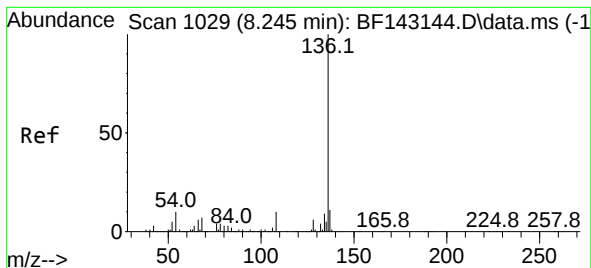
Tgt Ion: 99 Resp: 566257
Ion Ratio Lower Upper
99 100
42 21.8 17.0 25.6
71 35.4 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 8.106 ng
RT: 7.522 min Scan# 906
Delta R.T. 0.147 min
Lab File: BF143206.D
Acq: 22 Jul 2025 23:43

Tgt Ion: 70 Resp: 45189
Ion Ratio Lower Upper
70 100
42 55.8 52.5 78.7
101 0.0 7.6 11.4#
130 1.9 16.1 24.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.251 min Scan# 1029

Delta R.T. 0.006 min

Lab File: BF143206.D

Acq: 22 Jul 2025 23:43

Instrument :

BNA_F

ClientSampleId :

WC-5

Tgt Ion:136 Resp: 387784

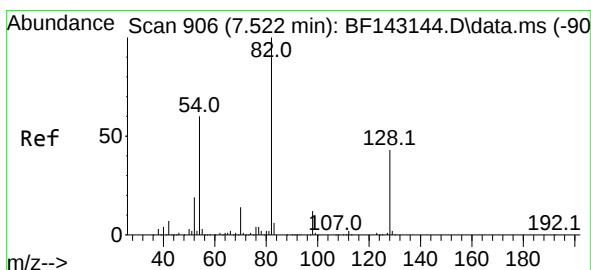
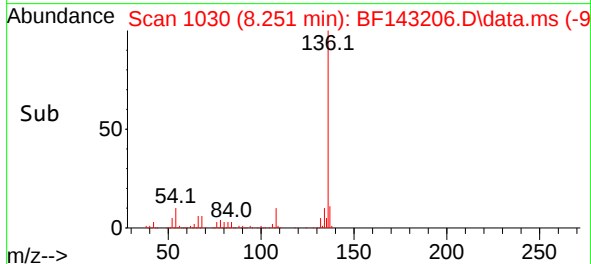
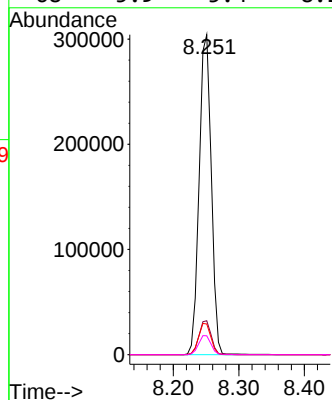
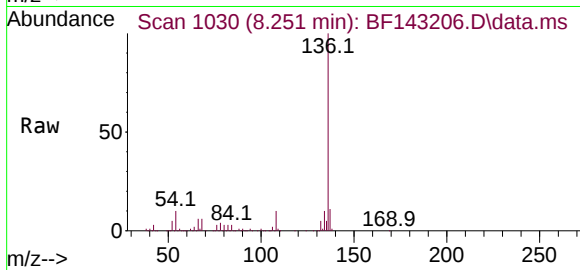
Ion Ratio Lower Upper

136 100

137 10.6 8.6 13.0

54 9.6 8.2 12.2

68 5.9 5.4 8.2



#23

Nitrobenzene-d5

Concen: 42.219 ng

RT: 7.522 min Scan# 906

Delta R.T. -0.000 min

Lab File: BF143206.D

Acq: 22 Jul 2025 23:43

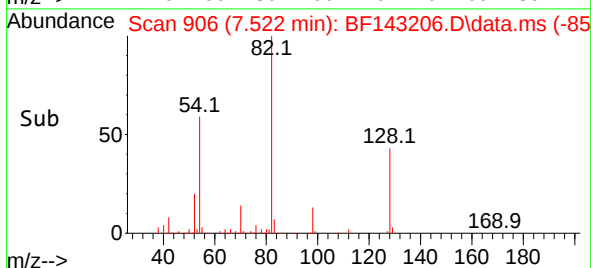
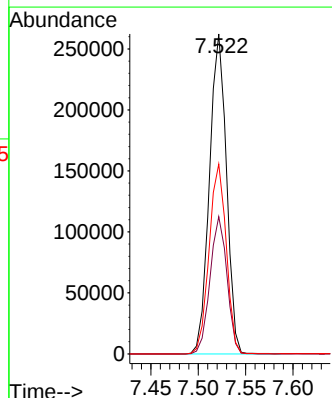
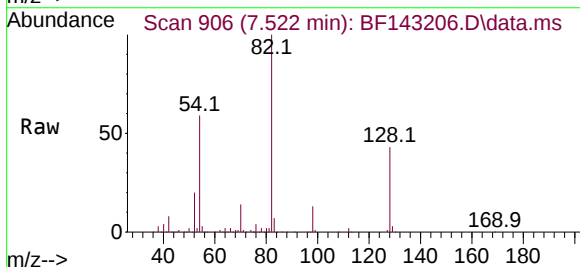
Tgt Ion: 82 Resp: 328441

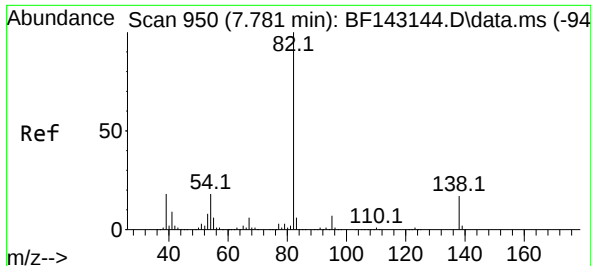
Ion Ratio Lower Upper

82 100

128 42.9 33.6 50.4

54 59.3 47.1 70.7

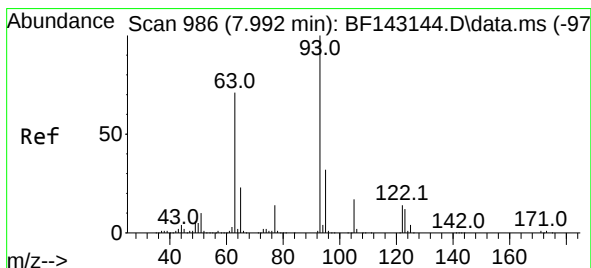
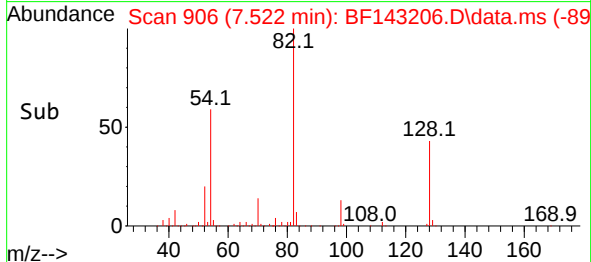
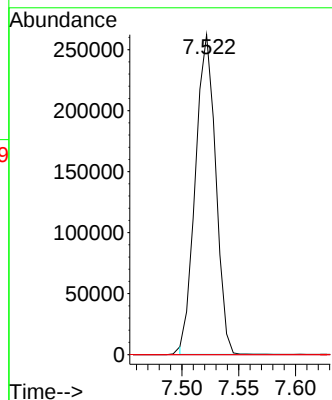
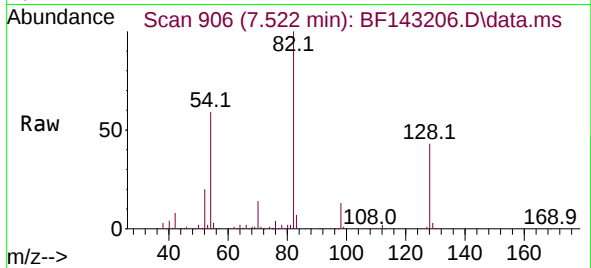




#25
Isophorone
Concen: 23.657 ng
RT: 7.522 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF143206.D
Acq: 22 Jul 2025 23:43

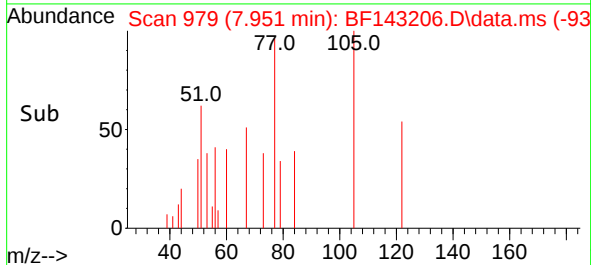
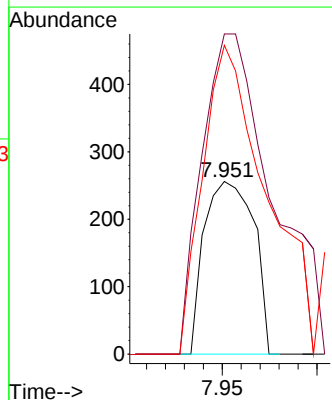
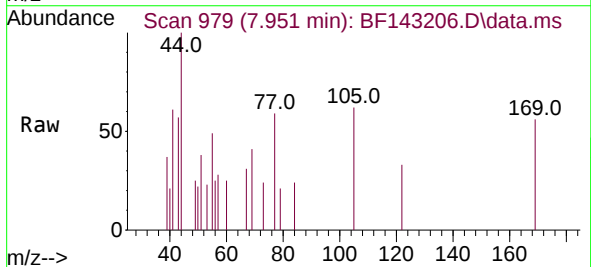
Instrument :
BNA_F
ClientSampleId :
WC-5

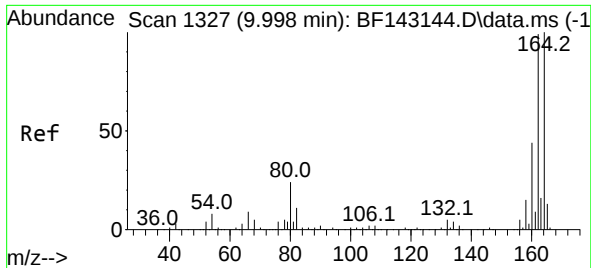
Tgt Ion: 82 Resp: 324891
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.8 20.8#



#32
Benzoic acid
Concen: 5.293 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.041 min
Lab File: BF143206.D
Acq: 22 Jul 2025 23:43

Tgt Ion:122 Resp: 466
Ion Ratio Lower Upper
122 100
105 185.5 104.8 144.8#
77 178.9 77.6 117.6#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.004 min Scan# 1327

Delta R.T. 0.006 min

Lab File: BF143206.D

Acq: 22 Jul 2025 23:43

Instrument :

BNA_F

ClientSampleId :

WC-5

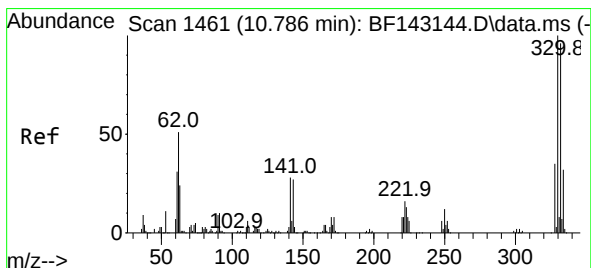
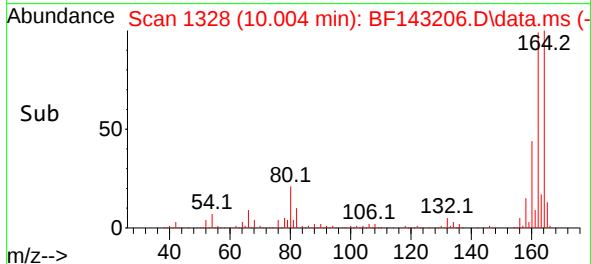
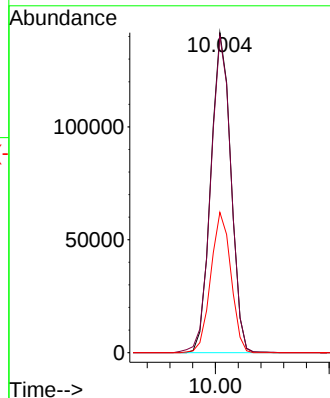
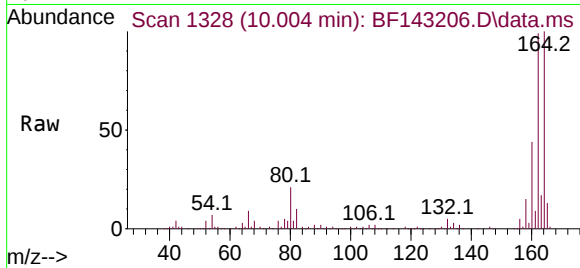
Tgt Ion:164 Resp: 173436

Ion Ratio Lower Upper

164 100

162 98.9 79.0 118.6

160 43.8 35.1 52.7



#42

2,4,6-Tribromophenol

Concen: 59.141 ng

RT: 10.792 min Scan# 1462

Delta R.T. 0.006 min

Lab File: BF143206.D

Acq: 22 Jul 2025 23:43

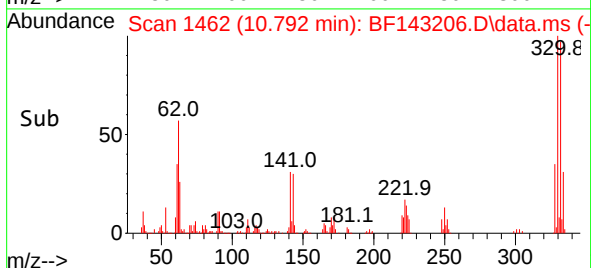
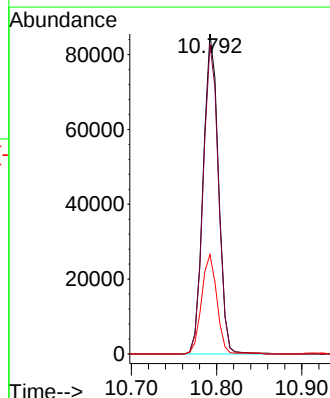
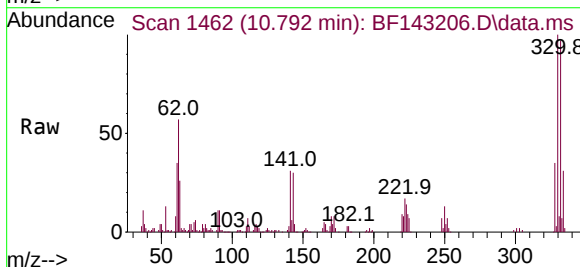
Tgt Ion:330 Resp: 105963

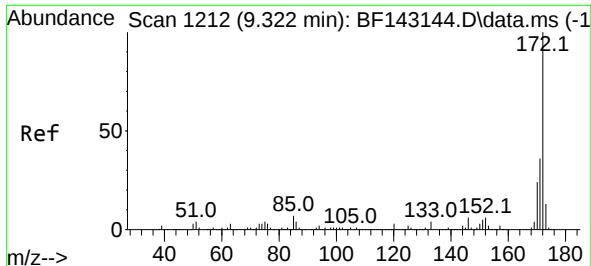
Ion Ratio Lower Upper

330 100

332 96.6 76.7 115.1

141 31.0 23.3 34.9

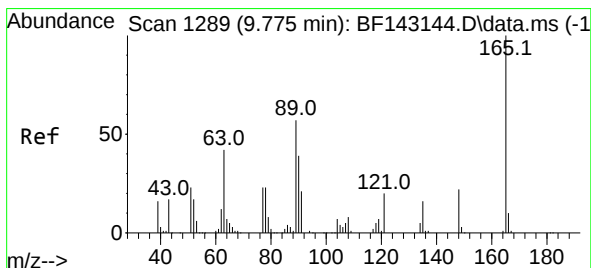
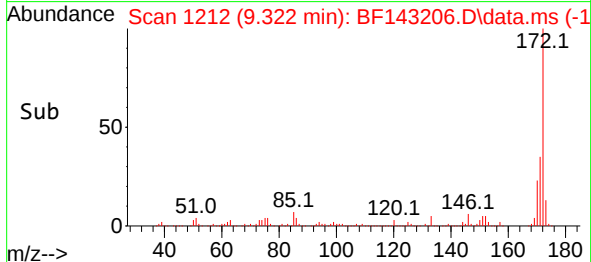
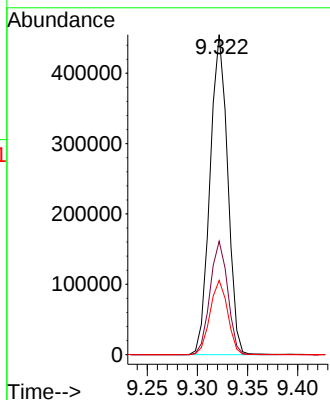
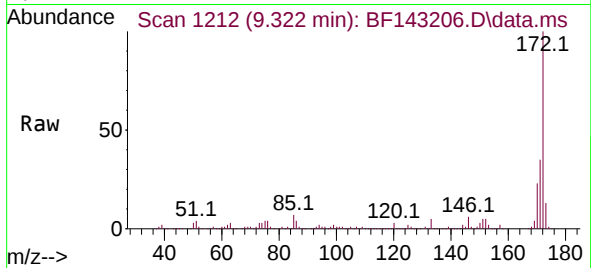




#45
2-Fluorobiphenyl
Concen: 43.775 ng
RT: 9.322 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143206.D
Acq: 22 Jul 2025 23:43

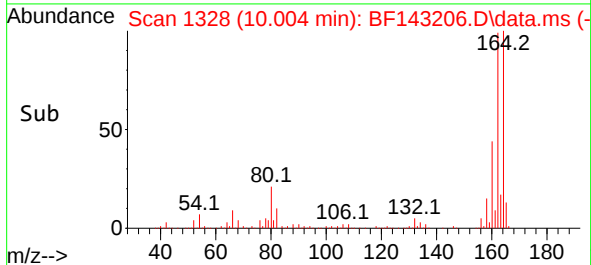
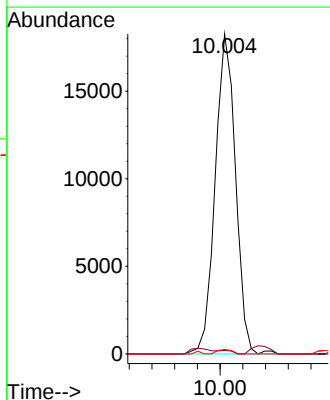
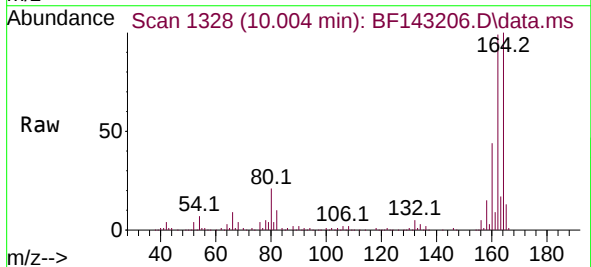
Instrument :
BNA_F
ClientSampleId :
WC-5

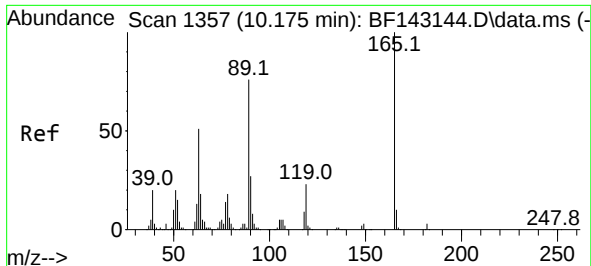
Tgt Ion:172 Resp: 555137
Ion Ratio Lower Upper
172 100
171 35.4 28.6 42.8
170 23.2 18.8 28.2



#51
2,6-Dinitrotoluene
Concen: 9.878 ng
RT: 10.004 min Scan# 1328
Delta R.T. 0.229 min
Lab File: BF143206.D
Acq: 22 Jul 2025 23:43

Tgt Ion:165 Resp: 22718
Ion Ratio Lower Upper
165 100
63 1.1 49.4 74.2#
89 1.4 46.2 69.2#

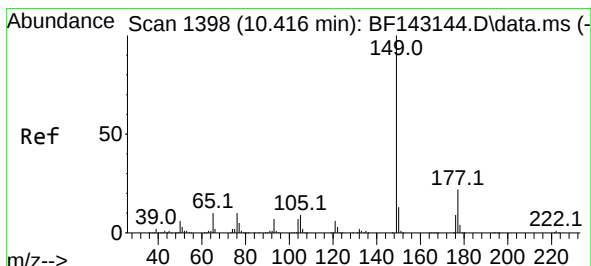
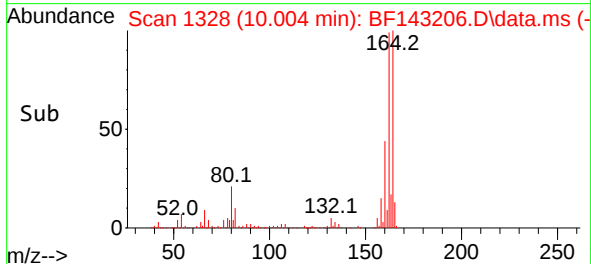
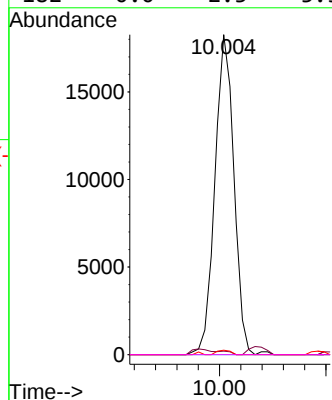
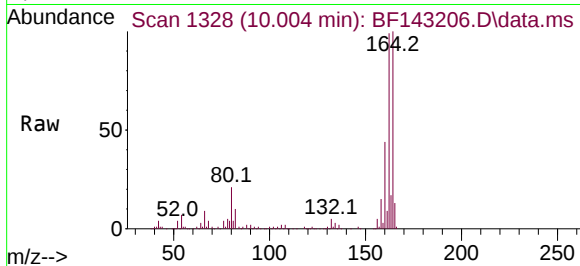




#57
2,4-Dinitrotoluene
Concen: 7.874 ng
RT: 10.004 min Scan# 1357
Delta R.T. -0.171 min
Lab File: BF143206.D
Acq: 22 Jul 2025 23:43

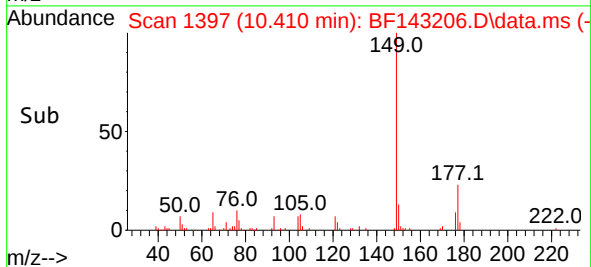
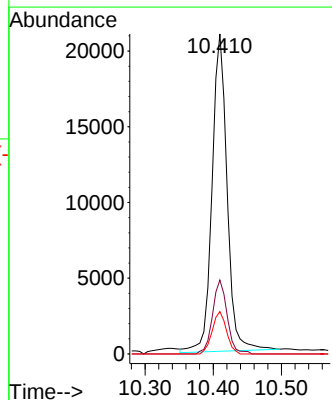
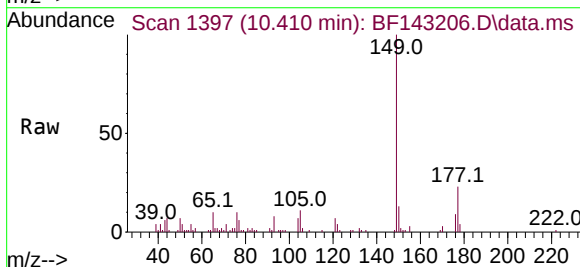
Instrument :
BNA_F
ClientSampleId :
WC-5

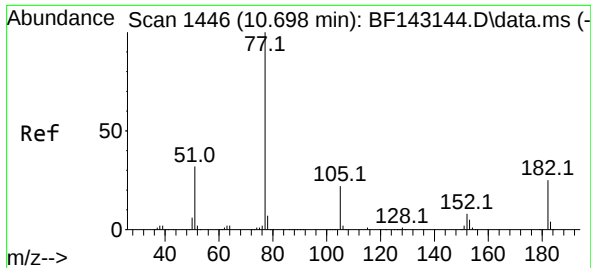
Tgt Ion:165	Resp:	22719
Ion Ratio	Lower	Upper
165	100	
63	1.1	41.0 61.4#
89	1.4	61.1 91.7#
182	0.0	2.3 3.5#



#60
Diethylphthalate
Concen: 2.869 ng
RT: 10.410 min Scan# 1397
Delta R.T. -0.006 min
Lab File: BF143206.D
Acq: 22 Jul 2025 23:43

Tgt Ion:149	Resp:	32057
Ion Ratio	Lower	Upper
149	100	
177	23.1	17.5 26.3
150	13.2	10.2 15.2

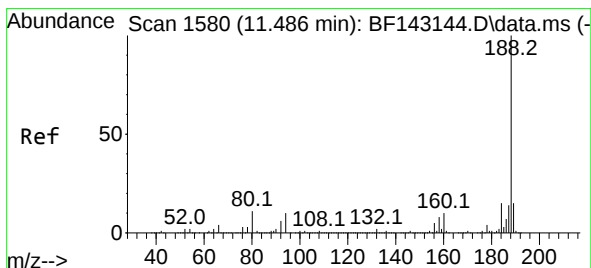
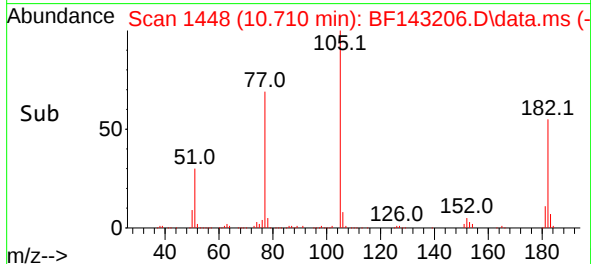
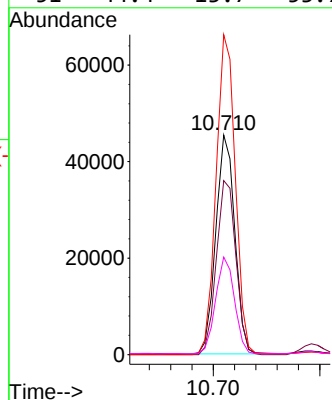
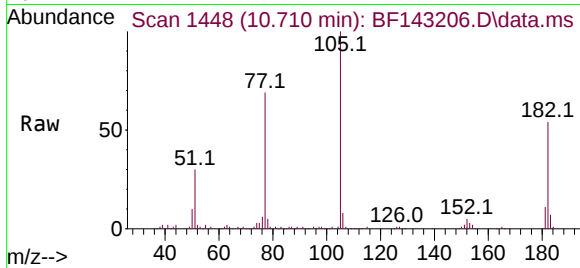




#63
Azobenzene
Concen: 4.840 ng
RT: 10.710 min Scan# 1448
Delta R.T. 0.012 min
Lab File: BF143206.D
Acq: 22 Jul 2025 23:43

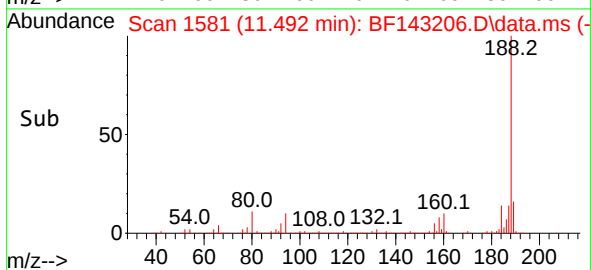
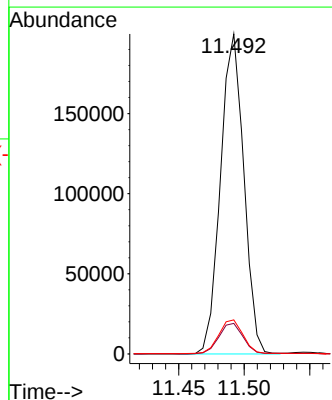
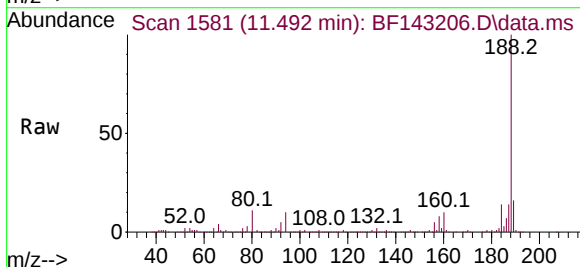
Instrument :
BNA_F
ClientSampleId :
WC-5

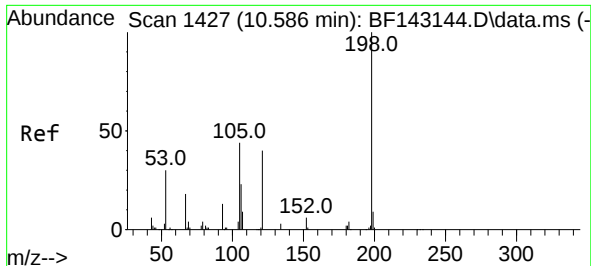
Tgt Ion: 77	Resp: 56363
Ion Ratio	Lower Upper
77 100	
182 79.3	4.6 44.6#
105 145.8	1.4 41.4#
51 44.4	13.7 53.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.006 min
Lab File: BF143206.D
Acq: 22 Jul 2025 23:43

Tgt Ion: 188	Resp: 246723
Ion Ratio	Lower Upper
188 100	
94 9.5	8.3 12.5
80 10.6	9.0 13.6

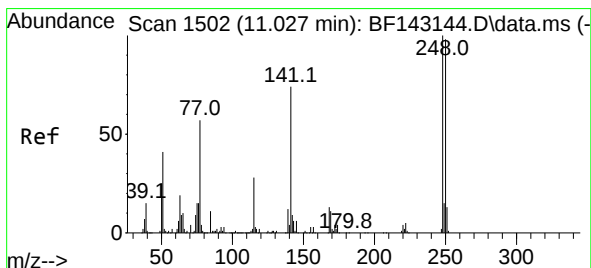
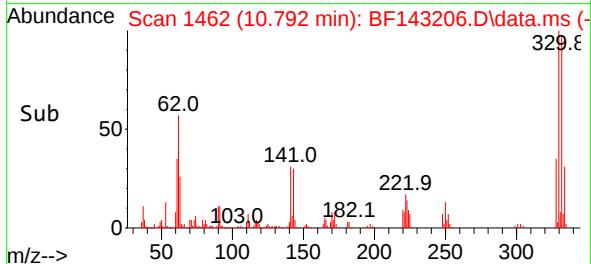
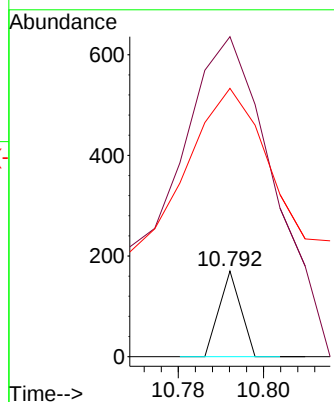
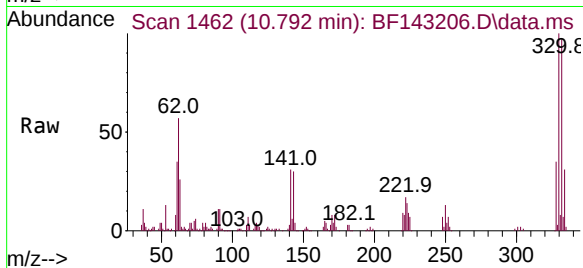




#65
4,6-Dinitro-2-methylphenol
Concen: 5.454 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.206 min
Lab File: BF143206.D
Acq: 22 Jul 2025 23:43

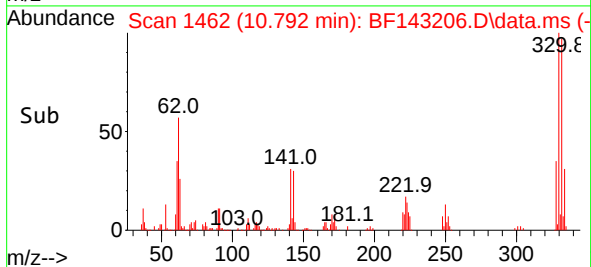
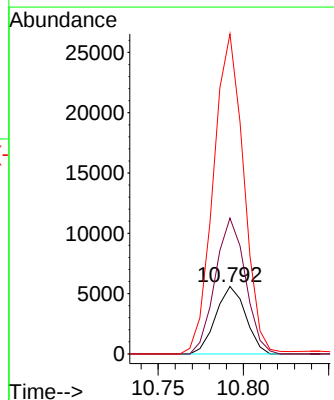
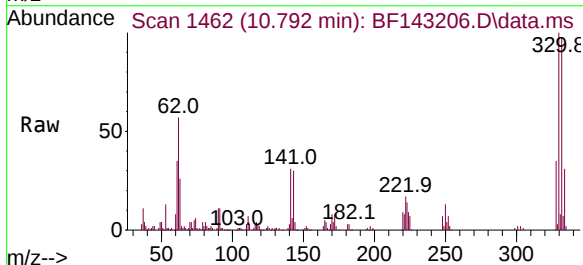
Instrument :
BNA_F
ClientSampleId :
WC-5

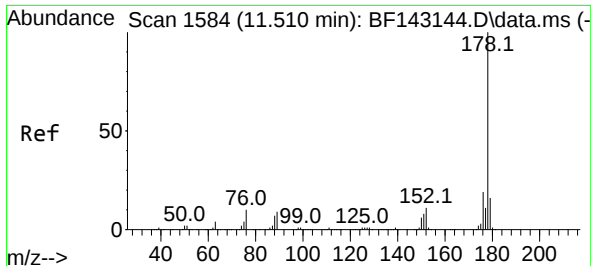
Tgt Ion:198 Resp: 60
Ion Ratio Lower Upper
198 100
51 374.1 37.2 77.2#
105 313.5 24.8 64.8#



#67
4-Bromophenyl-phenylether
Concen: 2.314 ng
RT: 10.792 min Scan# 1462
Delta R.T. -0.235 min
Lab File: BF143206.D
Acq: 22 Jul 2025 23:43

Tgt Ion:248 Resp: 6805
Ion Ratio Lower Upper
248 100
250 201.1 78.3 117.5#
141 473.9 59.2 88.8#

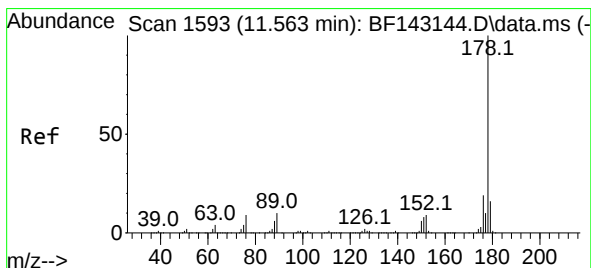
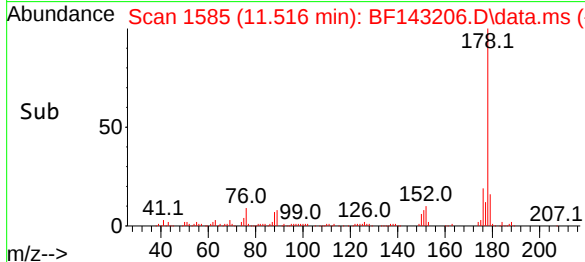
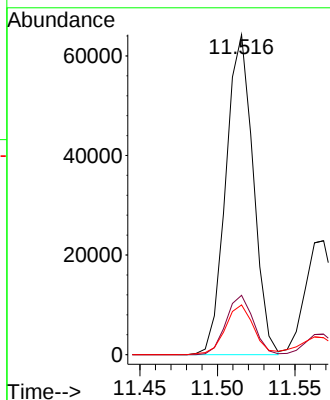
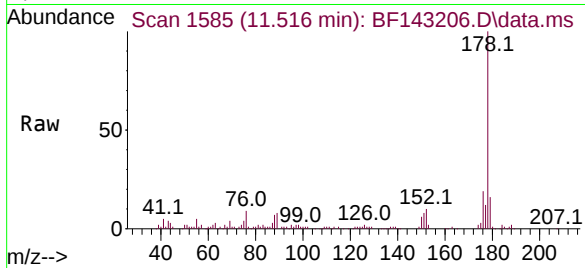




#71
Phenanthrene
Concen: 6.030 ng
RT: 11.516 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143206.D
Acq: 22 Jul 2025 23:43

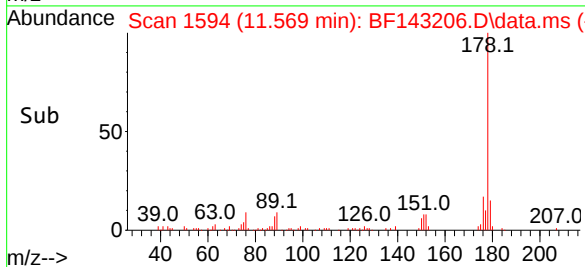
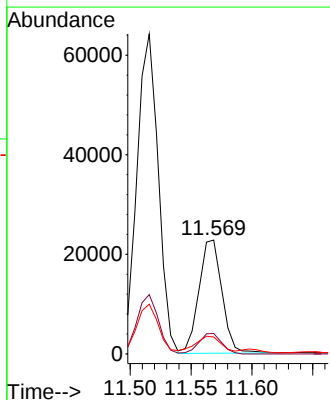
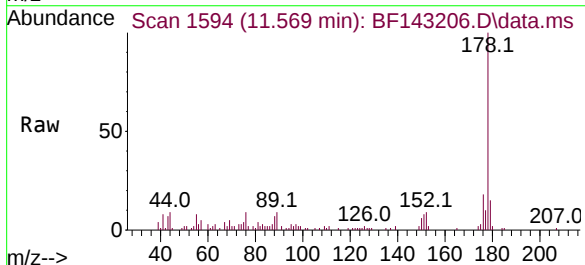
Instrument :
BNA_F
ClientSampleId :
WC-5

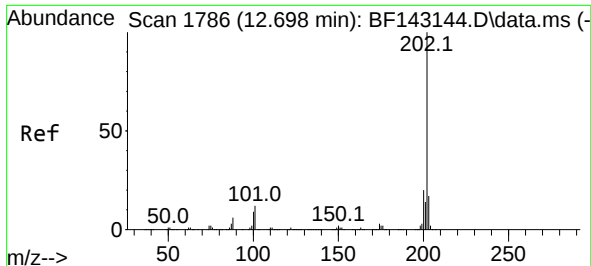
Tgt Ion:178 Resp: 78996
Ion Ratio Lower Upper
178 100
176 18.5 15.3 22.9
179 15.5 12.5 18.7



#72
Anthracene
Concen: 2.248 ng
RT: 11.569 min Scan# 1594
Delta R.T. 0.006 min
Lab File: BF143206.D
Acq: 22 Jul 2025 23:43

Tgt Ion:178 Resp: 30036
Ion Ratio Lower Upper
178 100
176 17.9 15.0 22.4
179 14.9 12.5 18.7

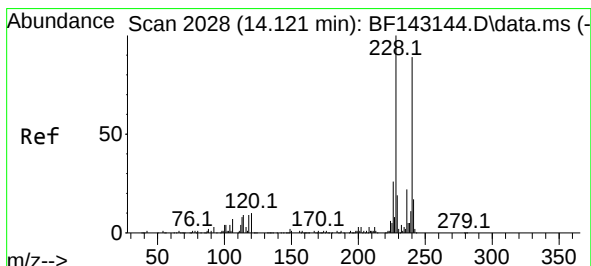
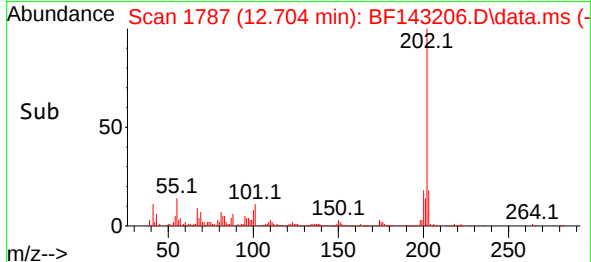
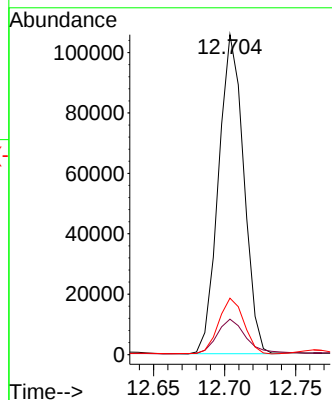
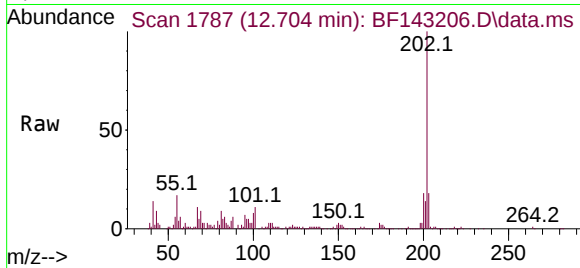




#75
Fluoranthene
Concen: 10.838 ng
RT: 12.704 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143206.D
Acq: 22 Jul 2025 23:43

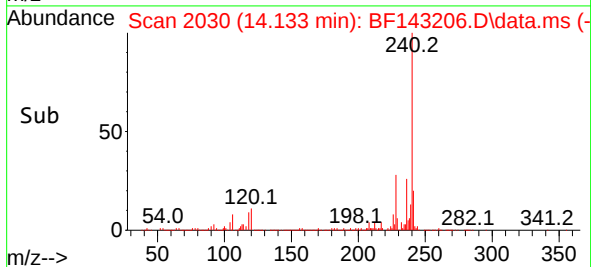
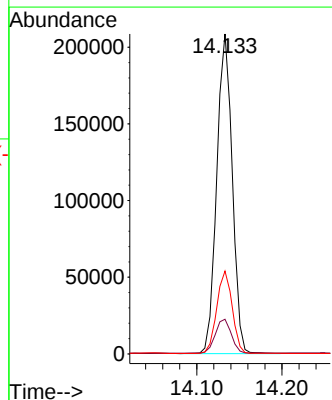
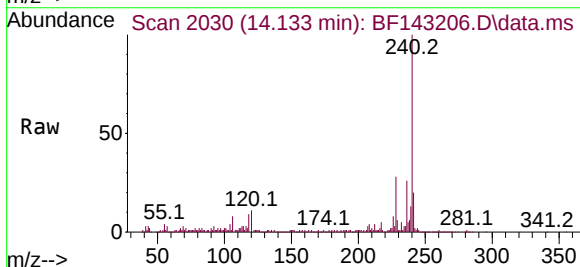
Instrument :
BNA_F
ClientSampleId :
WC-5

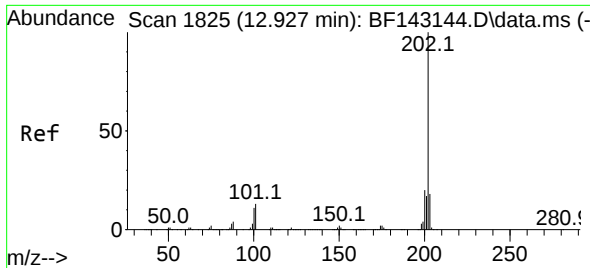
Tgt Ion:202 Resp: 130314
Ion Ratio Lower Upper
202 100
101 11.1 0.0 31.7
203 17.6 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.133 min Scan# 2030
Delta R.T. 0.012 min
Lab File: BF143206.D
Acq: 22 Jul 2025 23:43

Tgt Ion:240 Resp: 263072
Ion Ratio Lower Upper
240 100
120 10.9 9.4 14.2
236 25.9 20.2 30.4

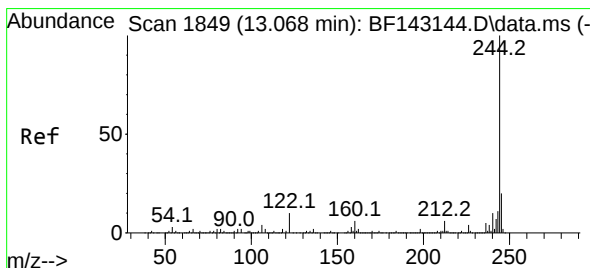
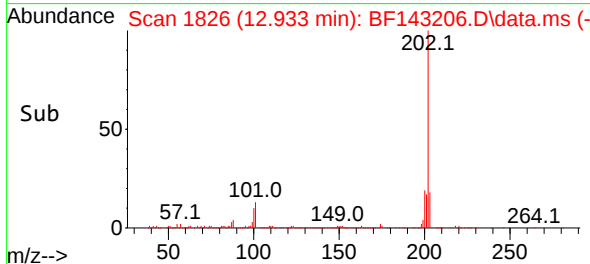
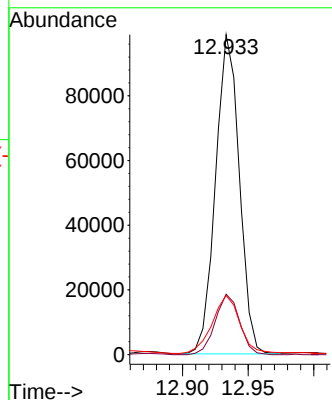
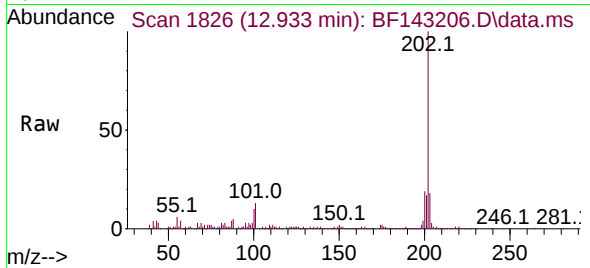




#78
Pyrene
Concen: 5.555 ng
RT: 12.933 min Scan# 1825
Delta R.T. 0.006 min
Lab File: BF143206.D
Acq: 22 Jul 2025 23:43

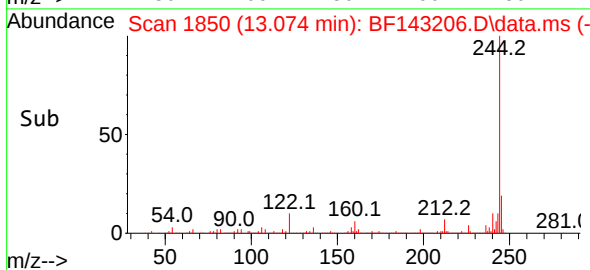
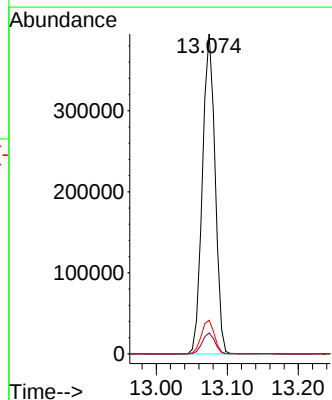
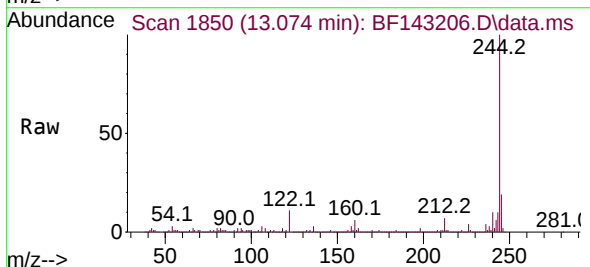
Instrument :
BNA_F
ClientSampleId :
WC-5

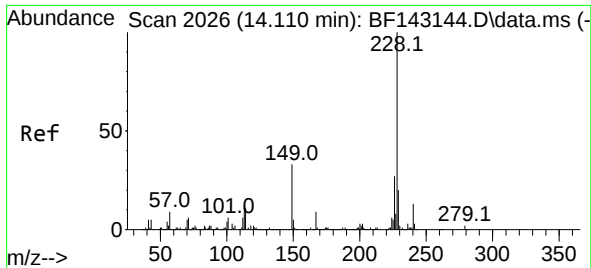
Tgt Ion:202 Resp: 124721
Ion Ratio Lower Upper
202 100
200 18.9 15.7 23.5
203 18.5 14.2 21.2



#79
Terphenyl-d14
Concen: 27.528 ng
RT: 13.074 min Scan# 1850
Delta R.T. 0.006 min
Lab File: BF143206.D
Acq: 22 Jul 2025 23:43

Tgt Ion:244 Resp: 486651
Ion Ratio Lower Upper
244 100
212 6.6 5.2 7.8
122 10.5 8.2 12.2

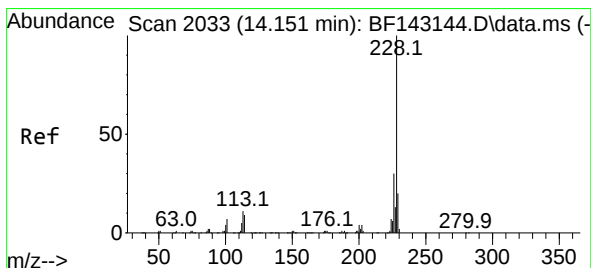
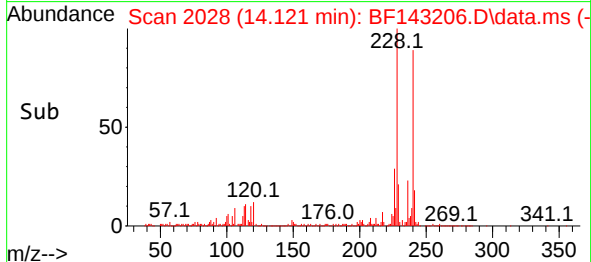
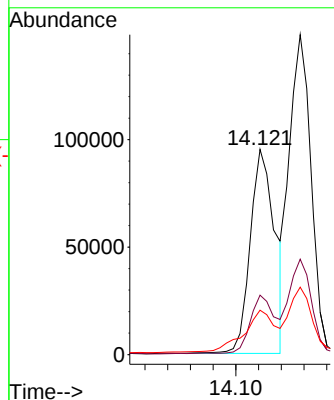
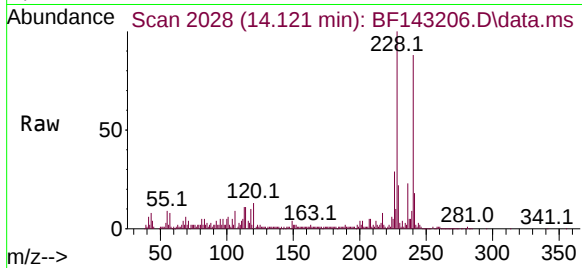




#81
Benzo(a)anthracene
Concen: 8.116 ng
RT: 14.121 min Scan# 20
Delta R.T. 0.012 min
Lab File: BF143206.D
Acq: 22 Jul 2025 23:43

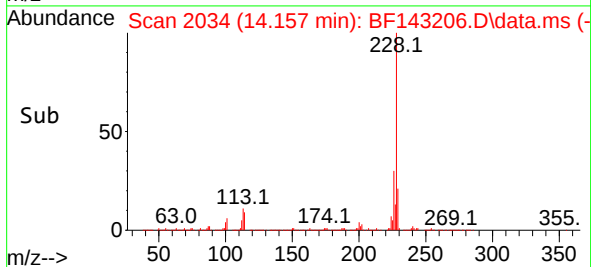
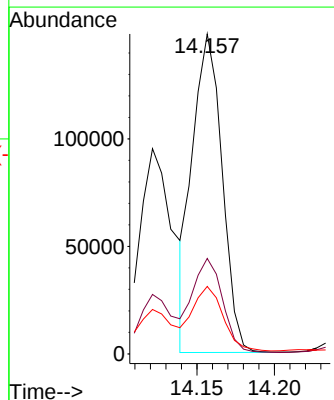
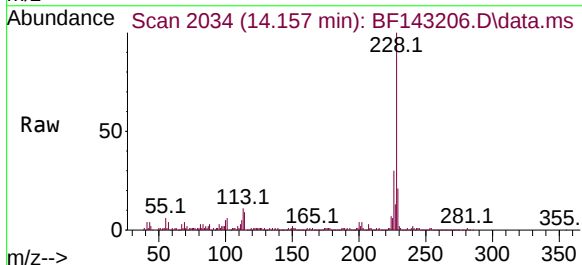
Instrument :
BNA_F
ClientSampleId :
WC-5

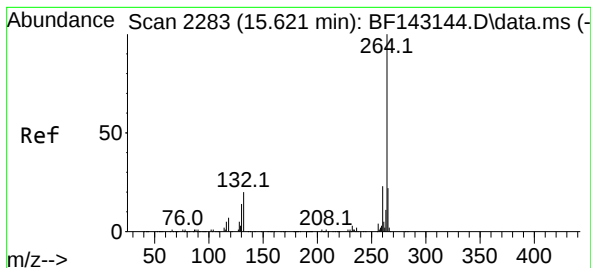
Tgt Ion:228 Resp: 142938
Ion Ratio Lower Upper
228 100
226 29.0 21.7 32.5
229 21.6 15.8 23.6



#83
Chrysene
Concen: 12.426 ng
RT: 14.157 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF143206.D
Acq: 22 Jul 2025 23:43

Tgt Ion:228 Resp: 196779
Ion Ratio Lower Upper
228 100
226 29.8 23.8 35.8
229 21.1 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.645 min Scan# 21

Delta R.T. 0.023 min

Lab File: BF143206.D

Acq: 22 Jul 2025 23:43

Instrument :

BNA_F

ClientSampleId :

WC-5

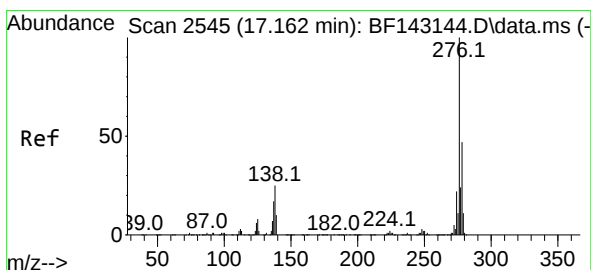
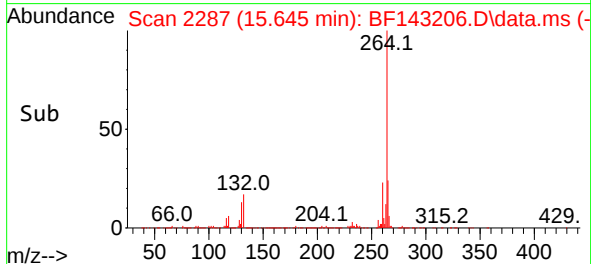
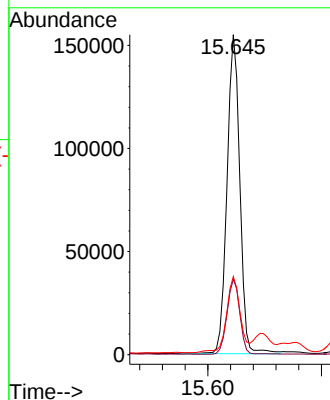
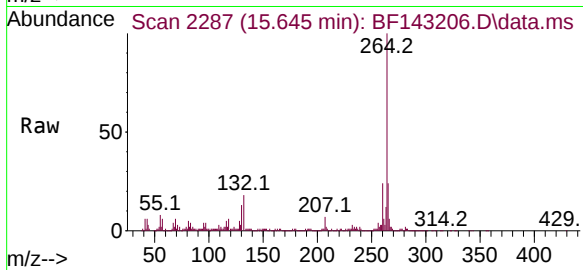
Tgt Ion:264 Resp: 241200

Ion Ratio Lower Upper

264 100

260 23.6 18.5 27.7

265 24.4 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.205 ng

RT: 17.180 min Scan# 2548

Delta R.T. 0.018 min

Lab File: BF143206.D

Acq: 22 Jul 2025 23:43

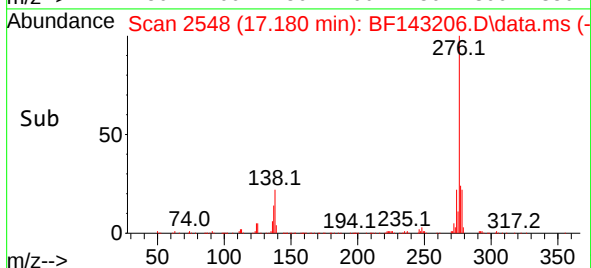
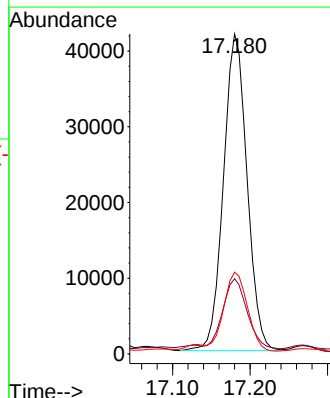
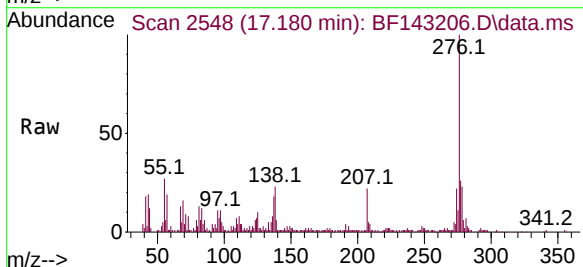
Tgt Ion:276 Resp: 88525

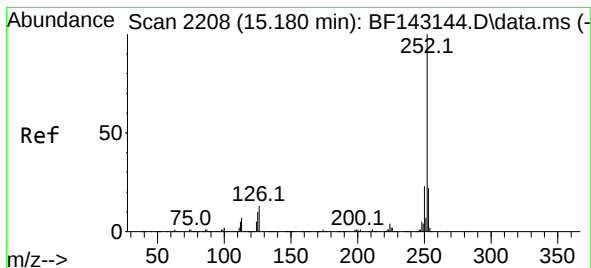
Ion Ratio Lower Upper

276 100

138 23.0 21.8 32.6

277 25.2 20.0 30.0





#88

Benzo(b)fluoranthene

Concen: 34.374 ng

RT: 15.198 min Scan# 2211

Delta R.T. 0.018 min

Lab File: BF143206.D

Acq: 22 Jul 2025 23:43

Instrument :

BNA_F

ClientSampleId :

WC-5

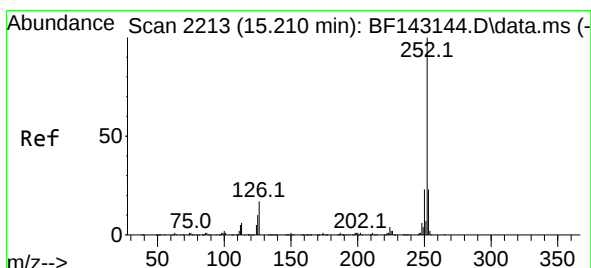
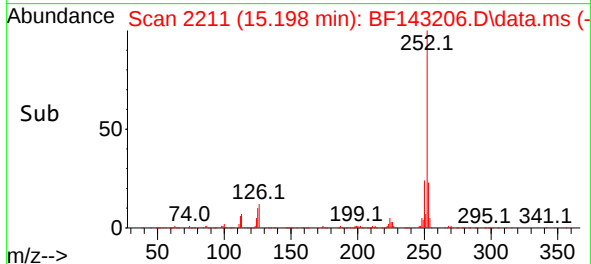
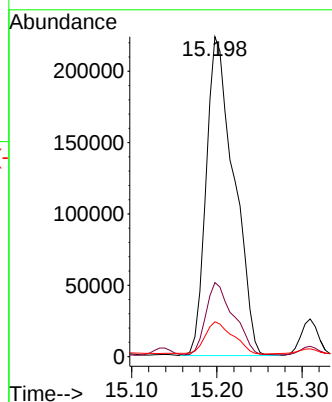
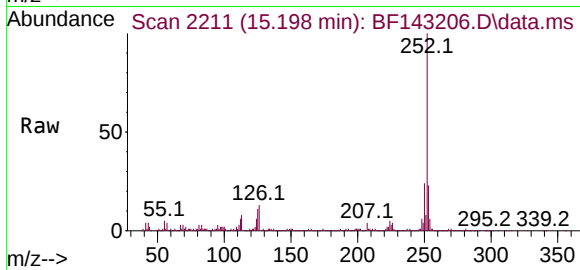
Tgt Ion:252 Resp: 506506

Ion Ratio Lower Upper

252 100

253 23.1 17.5 26.3

125 10.9 8.0 12.0



#89

Benzo(k)fluoranthene

Concen: 38.521 ng

RT: 15.198 min Scan# 2211

Delta R.T. -0.012 min

Lab File: BF143206.D

Acq: 22 Jul 2025 23:43

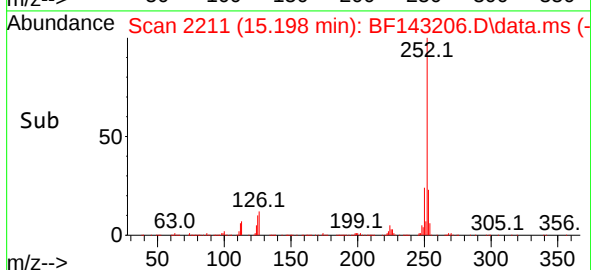
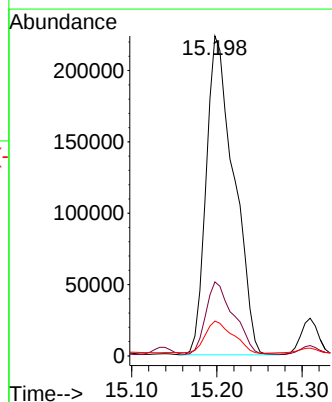
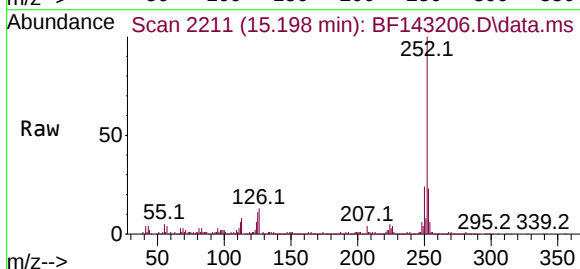
Tgt Ion:252 Resp: 506506

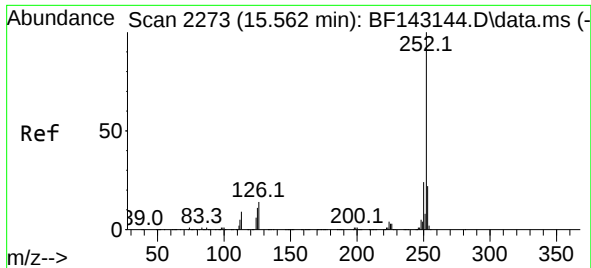
Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.6

125 10.9 8.1 12.1

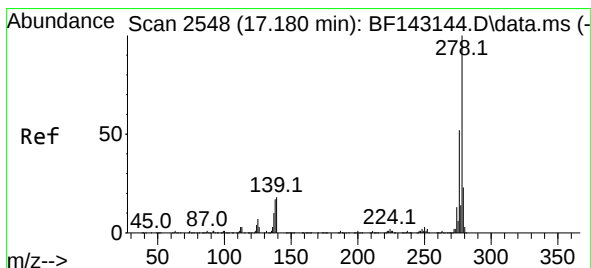
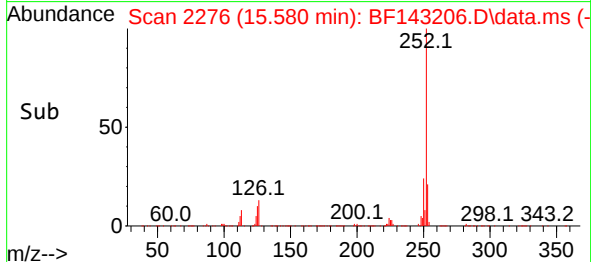
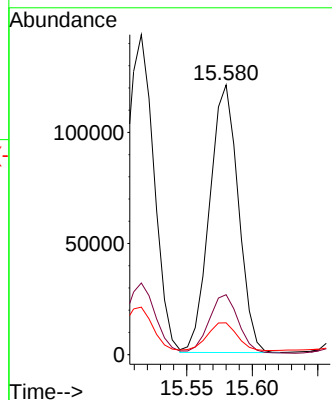
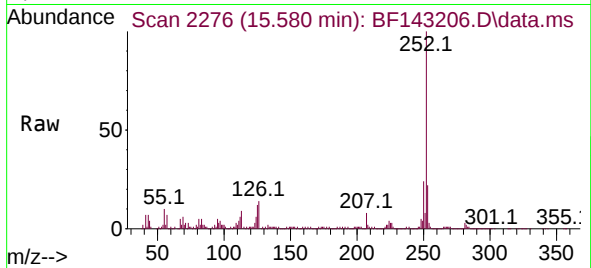




#90
Benzo(a)pyrene
Concen: 13.540 ng
RT: 15.580 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF143206.D
Acq: 22 Jul 2025 23:43

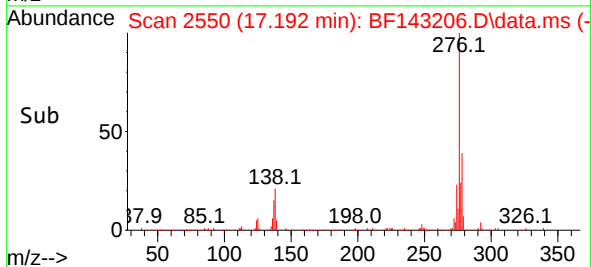
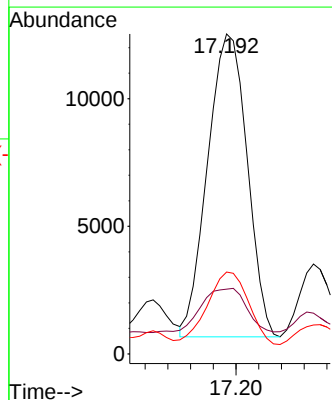
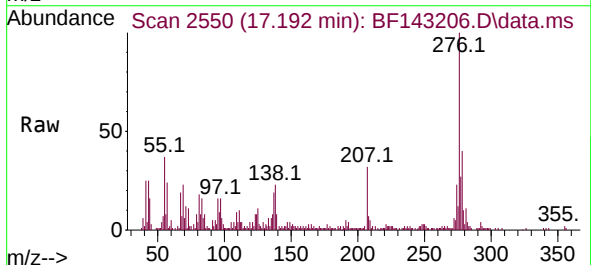
Instrument :
BNA_F
ClientSampleId :
WC-5

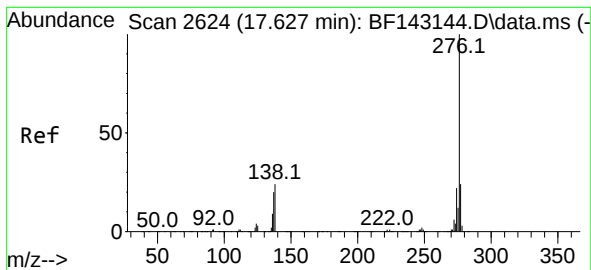
Tgt Ion:252 Resp: 183826
Ion Ratio Lower Upper
252 100
253 22.2 17.3 25.9
125 11.8 8.6 13.0



#91
Dibenzo(a,h)anthracene
Concen: 2.073 ng
RT: 17.192 min Scan# 2550
Delta R.T. 0.012 min
Lab File: BF143206.D
Acq: 22 Jul 2025 23:43

Tgt Ion:278 Resp: 28695
Ion Ratio Lower Upper
278 100
139 20.2 14.1 21.1
279 25.6 18.6 28.0





#92

Benzo(g,h,i)perylene

Concen: 6.425 ng

RT: 17.650 min Scan# 20

Delta R.T. 0.023 min

Lab File: BF143206.D

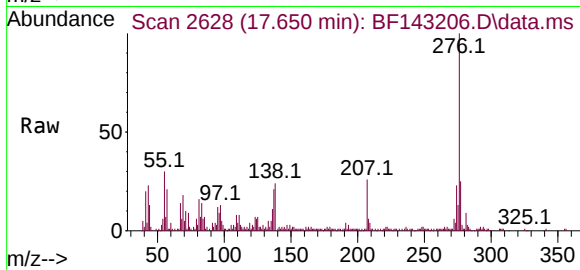
Acq: 22 Jul 2025 23:43

Instrument :

BNA_F

ClientSampleId :

WC-5



Tgt Ion:276 Resp: 86032

Ion Ratio Lower Upper

276 100

277 24.6 19.1 28.7

138 23.6 18.9 28.3

