

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
 Data File : BF141928.D
 Acq On : 11 Mar 2025 21:12
 Operator : RC/JU
 Sample : Q1535-01 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-03102025

Quant Time: Mar 12 01:17:47 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)

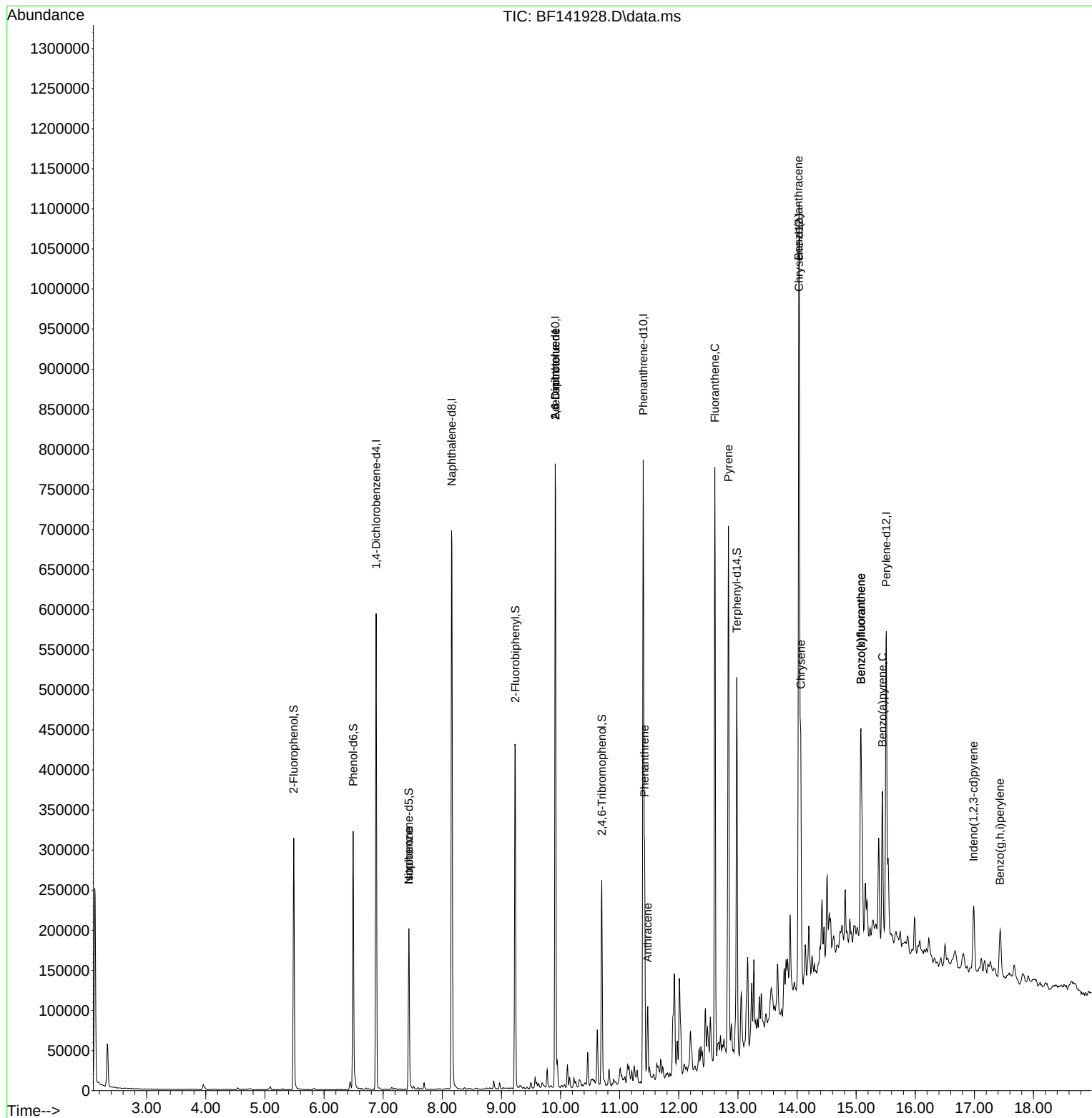
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	123023	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	457275	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	234125	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	381881	20.000	ng	0.00
76) Chrysene-d12	14.033	240	329644	20.000	ng	0.00
86) Perylene-d12	15.510	264	234413	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	119664	16.234	ng	0.00
7) Phenol-d6	6.493	99	149590	15.939	ng	-0.01
23) Nitrobenzene-d5	7.434	82	89814	11.053	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	40033	13.478	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	195080	12.672	ng	0.00
79) Terphenyl-d14	12.980	244	219509	9.845	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.434	82	87441	6.088	ng	# 64
51) 2,6-Dinitrotoluene	9.910	165	30904	9.053	ng	# 23
57) 2,4-Dinitrotoluene	9.910	165	30904	6.931	ng	# 24
71) Phenanthrene	11.422	178	151324	7.336	ng	98
72) Anthracene	11.475	178	54067	2.613	ng	100
75) Fluoranthene	12.610	202	404018	18.465	ng	100
78) Pyrene	12.839	202	374869	13.147	ng	99
81) Benzo(a)anthracene	14.027	228	228333	10.556	ng	94
83) Chrysene	14.063	228	159867	8.153	ng	97
87) Indeno(1,2,3-cd)pyrene	16.986	276	63097	4.161	ng	95
88) Benzo(b)fluoranthene	15.080	252	233949	14.562	ng	97
89) Benzo(k)fluoranthene	15.080	252	233949	17.016	ng	98
90) Benzo(a)pyrene	15.445	252	115552	9.192	ng	98
92) Benzo(g,h,i)perylene	17.433	276	57678	4.665	ng	98

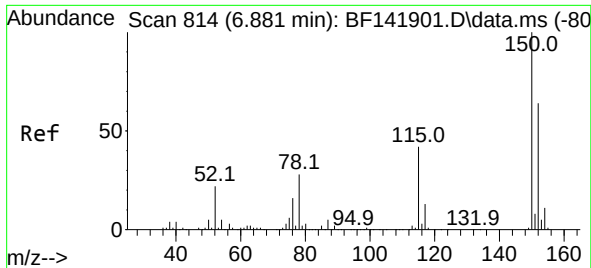
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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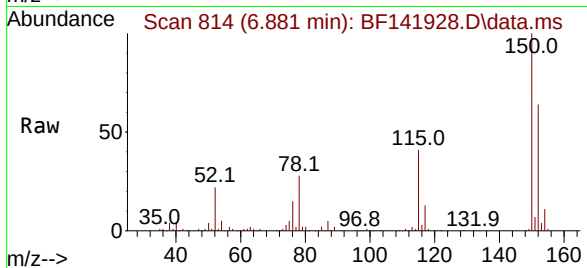
Quant Time: Mar 12 01:17:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
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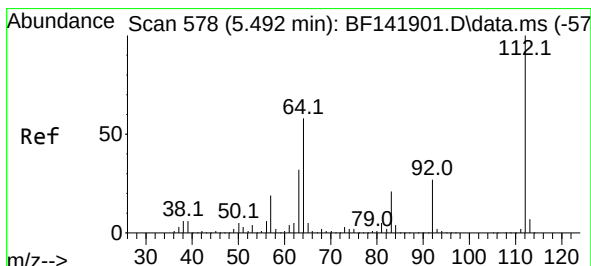
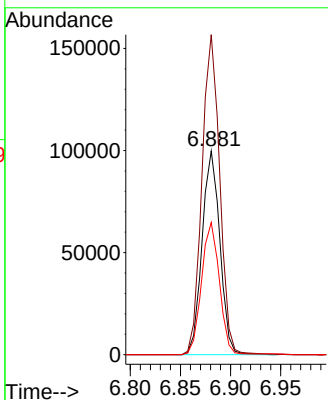
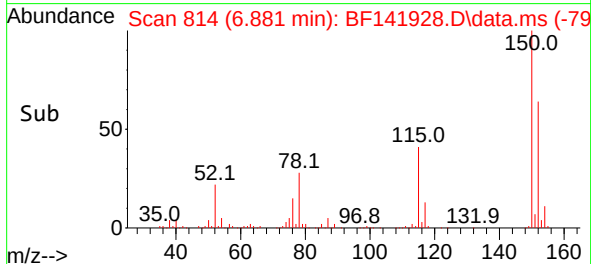


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF141928.D
Acq: 11 Mar 2025 21:12

Instrument :
BNA_F
ClientSampleId :
SU-03-03102025

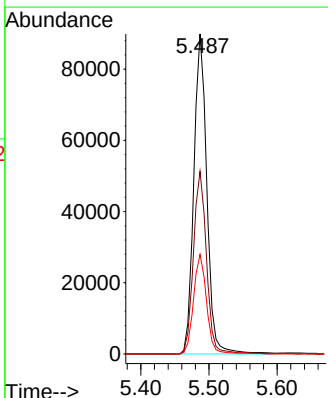
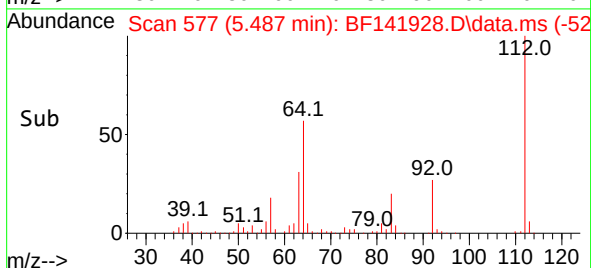
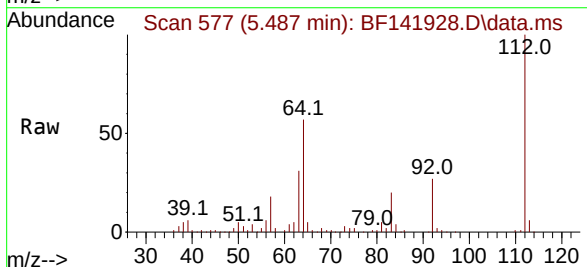


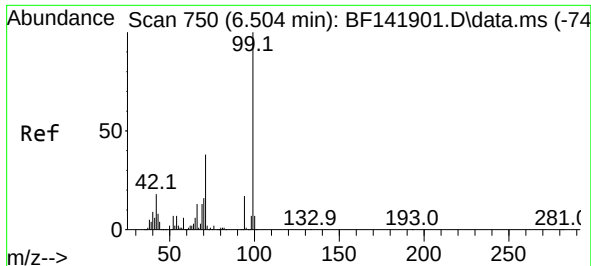
Tgt Ion:152 Resp: 123023
Ion Ratio Lower Upper
152 100
150 157.2 127.4 191.2
115 64.9 51.9 77.9



#5
2-Fluorophenol
Concen: 16.234 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF141928.D
Acq: 11 Mar 2025 21:12

Tgt Ion:112 Resp: 119664
Ion Ratio Lower Upper
112 100
64 57.1 46.5 69.7
63 31.1 25.4 38.2

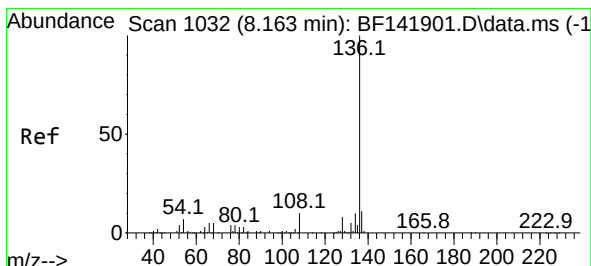
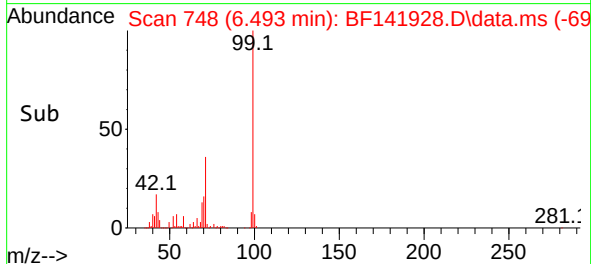
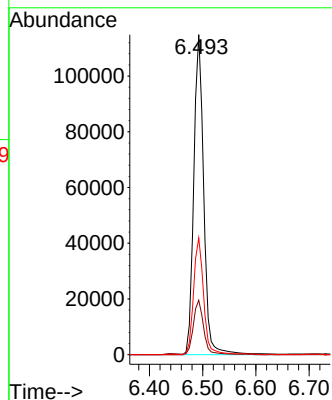
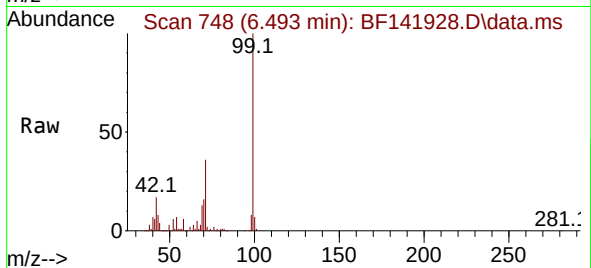




#7
Phenol-d6
Concen: 15.939 ng
RT: 6.493 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF141928.D
Acq: 11 Mar 2025 21:12

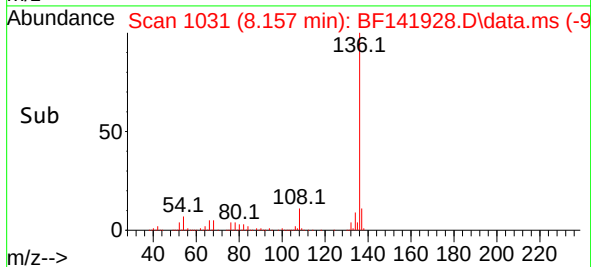
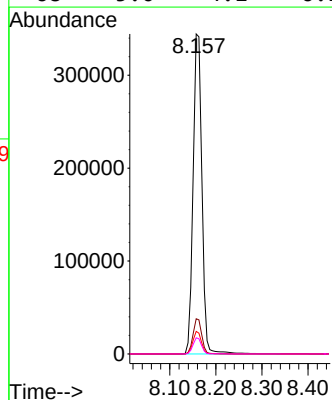
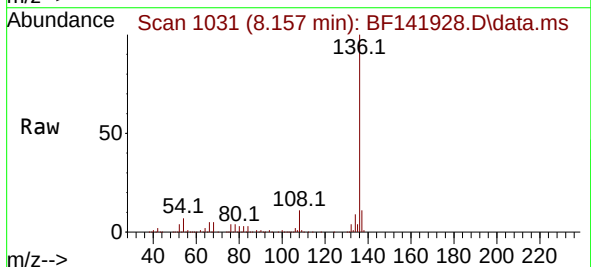
Instrument :
BNA_F
ClientSampleId :
SU-03-03102025

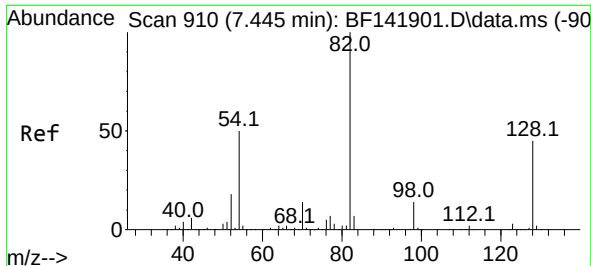
Tgt Ion: 99 Resp: 149590
Ion Ratio Lower Upper
99 100
42 17.0 14.6 21.8
71 36.5 30.8 46.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF141928.D
Acq: 11 Mar 2025 21:12

Tgt Ion: 136 Resp: 457275
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 7.1 5.8 8.8
68 5.0 4.1 6.1

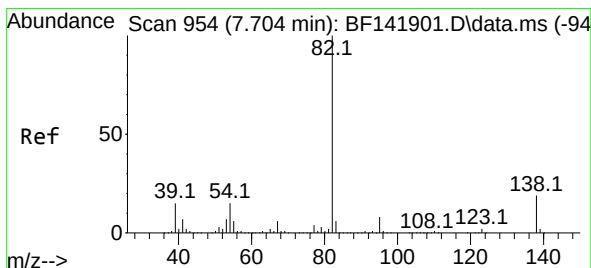
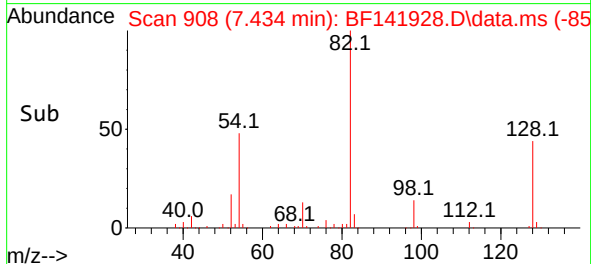
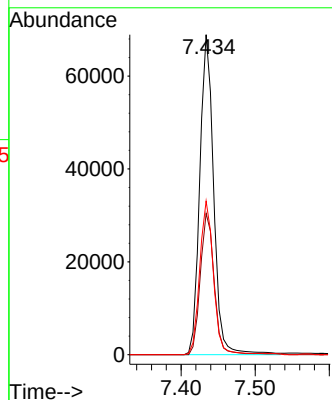
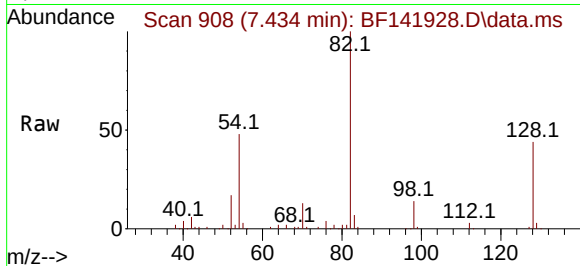




#23
Nitrobenzene-d5
Concen: 11.053 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF141928.D
Acq: 11 Mar 2025 21:12

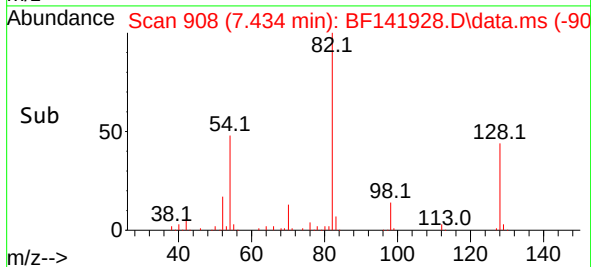
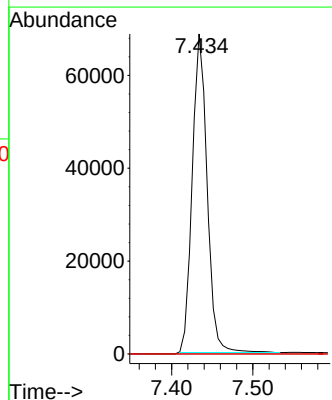
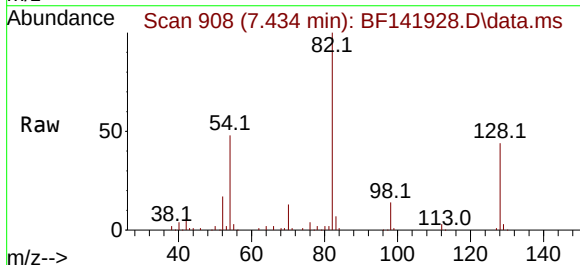
Instrument :
BNA_F
ClientSampleId :
SU-03-03102025

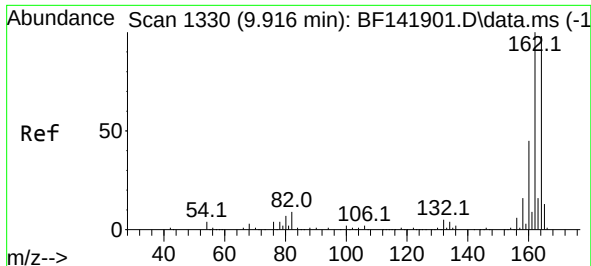
Tgt Ion: 82 Resp: 89814
Ion Ratio Lower Upper
82 100
128 44.1 36.0 54.0
54 48.0 39.6 59.4



#25
Isophorone
Concen: 6.088 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.270 min
Lab File: BF141928.D
Acq: 11 Mar 2025 21:12

Tgt Ion: 82 Resp: 87441
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# 11

Delta R.T. -0.006 min

Lab File: BF141928.D

Acq: 11 Mar 2025 21:12

Instrument :

BNA_F

ClientSampleId :

SU-03-03102025

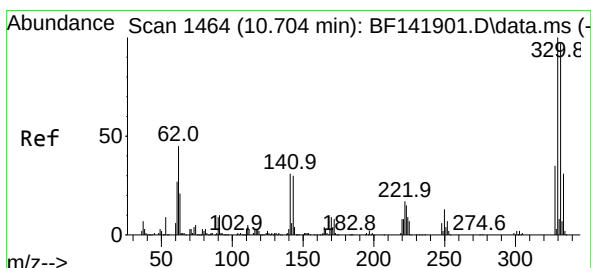
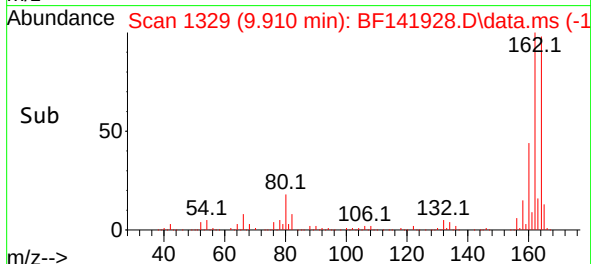
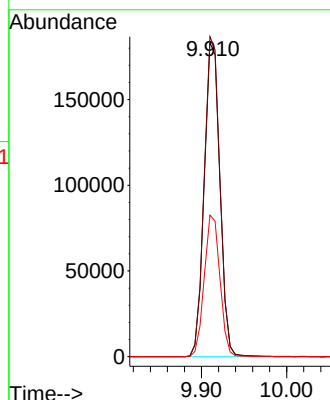
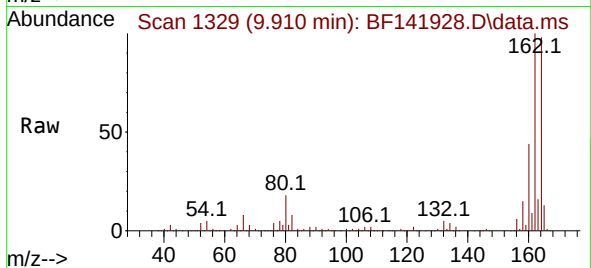
Tgt Ion:164 Resp: 234125

Ion Ratio Lower Upper

164 100

162 101.9 81.8 122.6

160 45.1 36.7 55.1



#42

2,4,6-Tribromophenol

Concen: 13.478 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF141928.D

Acq: 11 Mar 2025 21:12

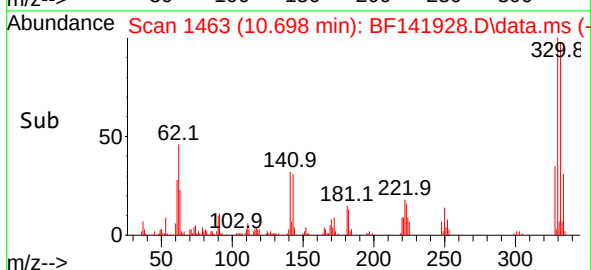
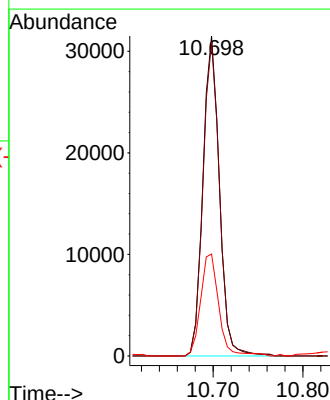
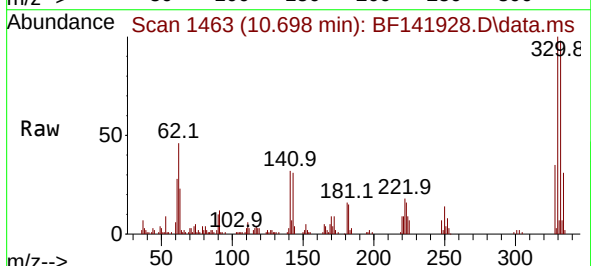
Tgt Ion:330 Resp: 40033

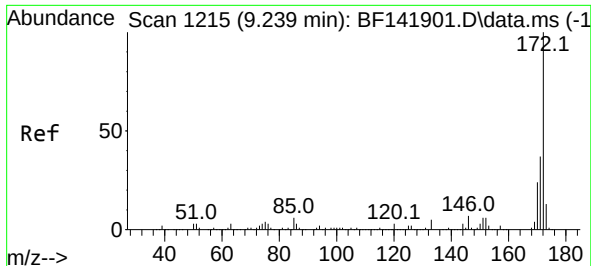
Ion Ratio Lower Upper

330 100

332 98.7 77.6 116.4

141 35.0 24.7 37.1





#45

2-Fluorobiphenyl

Concen: 12.672 ng

RT: 9.234 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141928.D

Acq: 11 Mar 2025 21:12

Instrument :

BNA_F

ClientSampleId :

SU-03-03102025

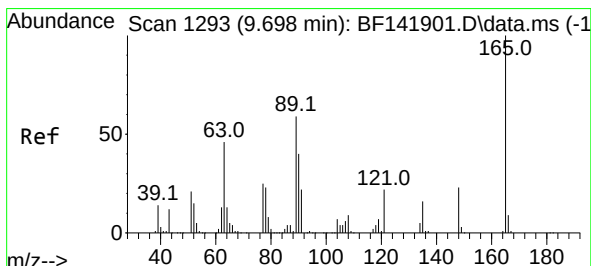
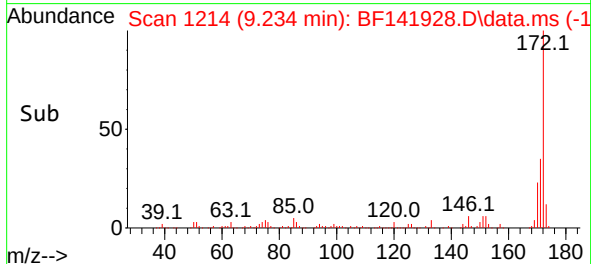
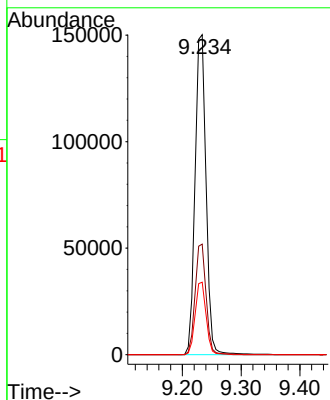
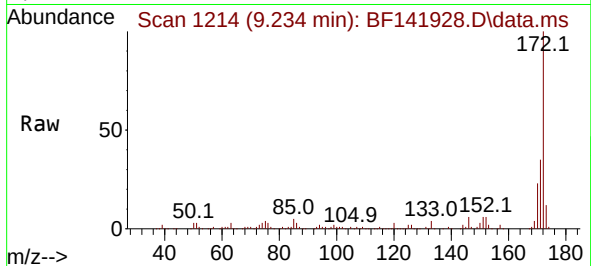
Tgt Ion:172 Resp: 195080

Ion Ratio Lower Upper

172 100

171 34.5 29.3 43.9

170 22.7 19.4 29.0



#51

2,6-Dinitrotoluene

Concen: 9.053 ng

RT: 9.910 min Scan# 1329

Delta R.T. 0.212 min

Lab File: BF141928.D

Acq: 11 Mar 2025 21:12

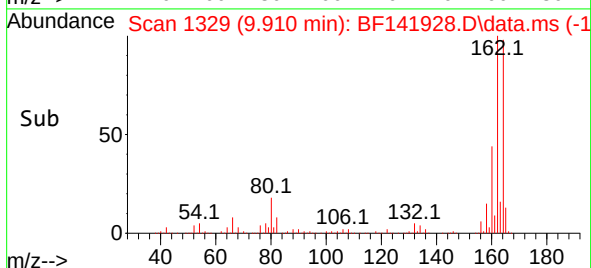
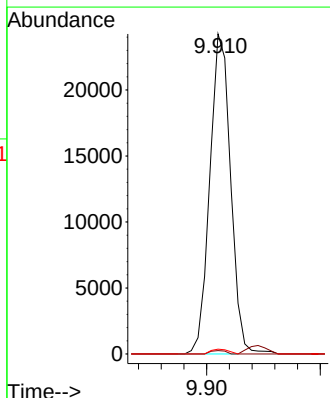
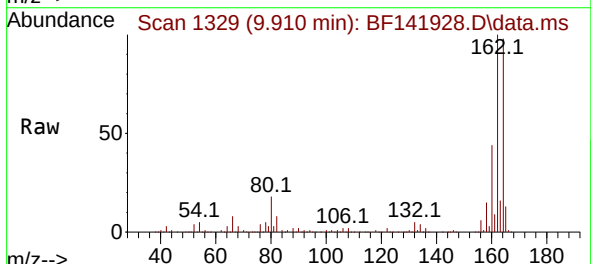
Tgt Ion:165 Resp: 30904

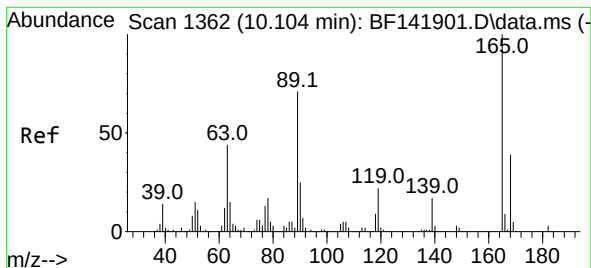
Ion Ratio Lower Upper

165 100

63 1.0 47.0 70.4#

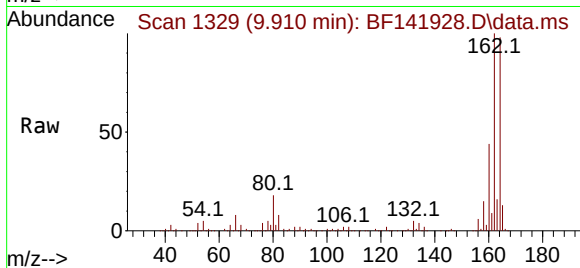
89 1.5 47.4 71.2#



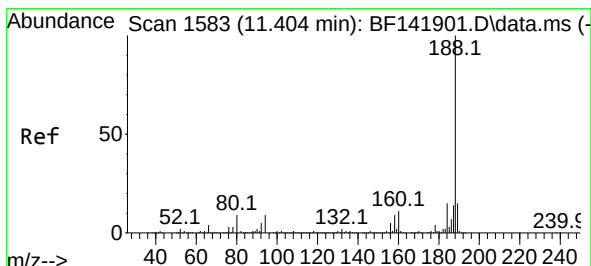
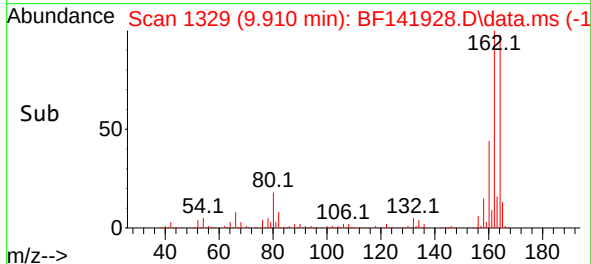
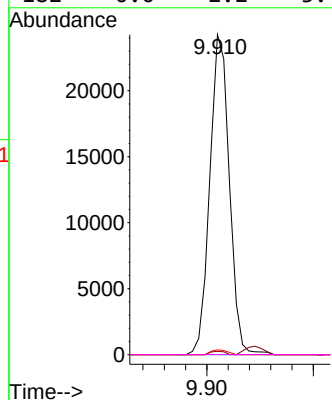


#57
2,4-Dinitrotoluene
Concen: 6.931 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF141928.D
Acq: 11 Mar 2025 21:12

Instrument :
BNA_F
ClientSampleId :
SU-03-03102025

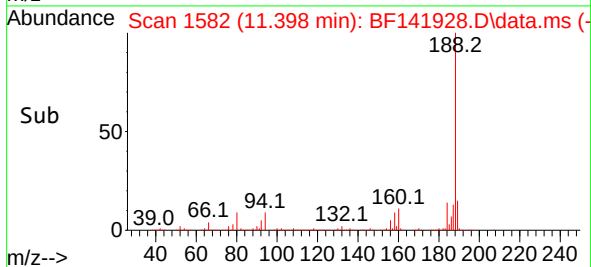
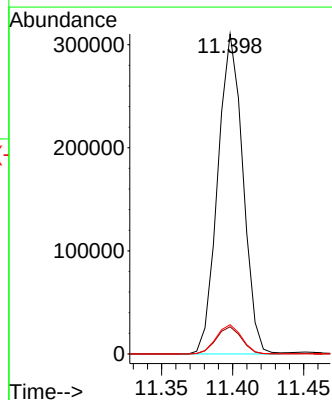
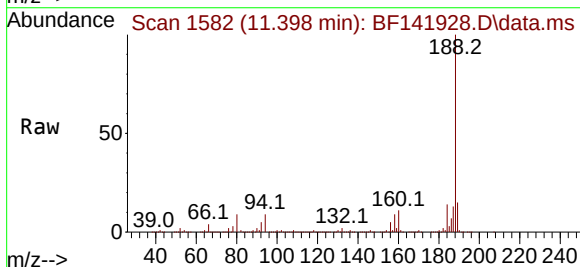


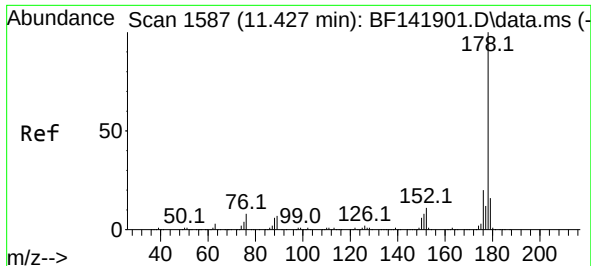
Tgt Ion:165 Resp: 30904
Ion Ratio Lower Upper
165 100
63 1.0 35.4 53.2#
89 1.5 56.6 84.8#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141928.D
Acq: 11 Mar 2025 21:12

Tgt Ion:188 Resp: 381881
Ion Ratio Lower Upper
188 100
94 8.5 6.8 10.2
80 9.1 7.6 11.4

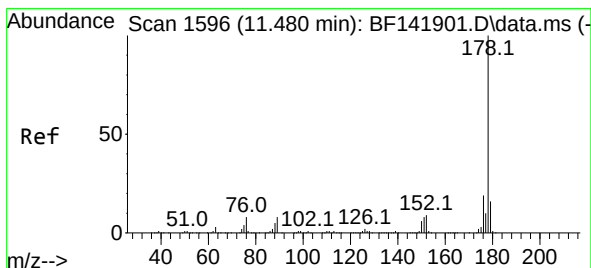
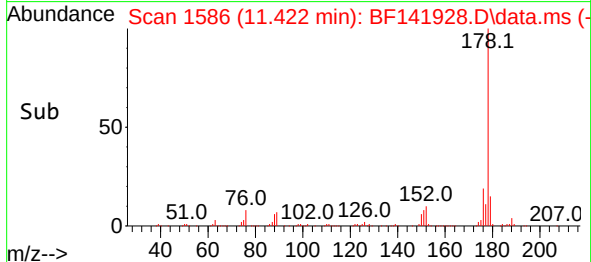
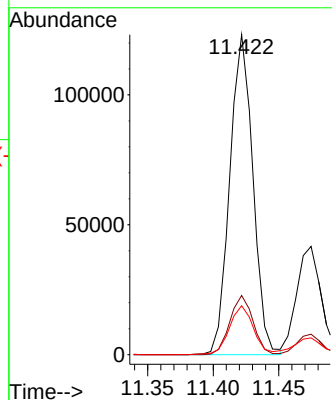
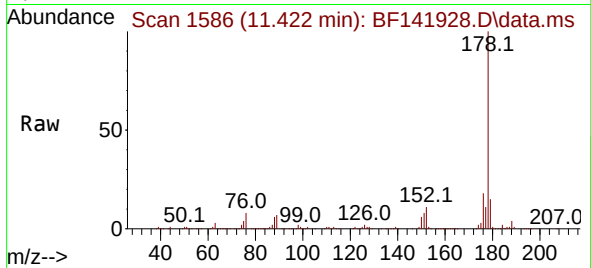




#71
Phenanthrene
Concen: 7.336 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF141928.D
Acq: 11 Mar 2025 21:12

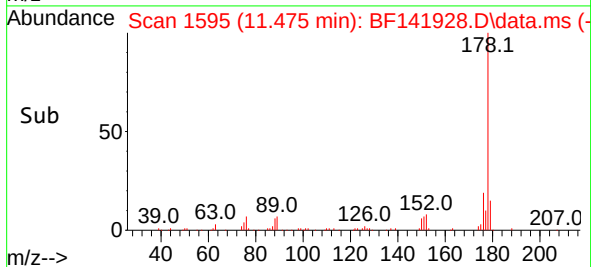
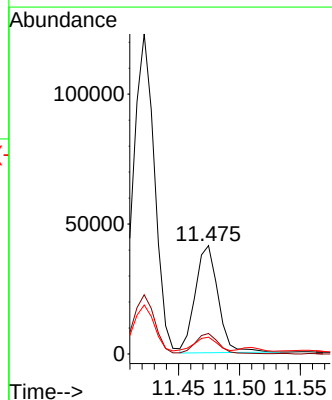
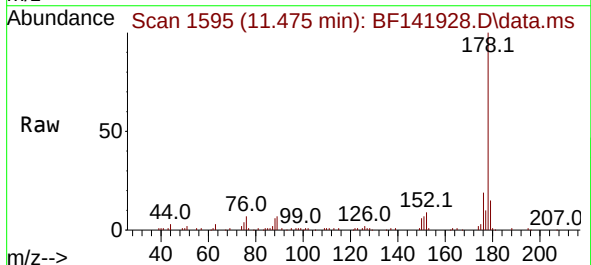
Instrument :
BNA_F
ClientSampleId :
SU-03-03102025

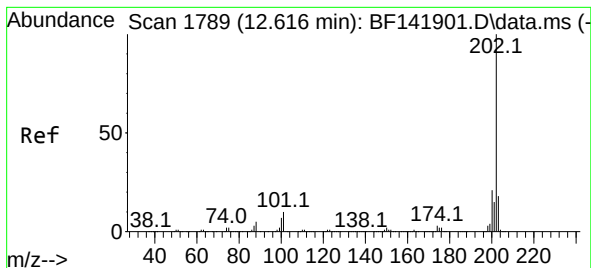
Tgt Ion:178 Resp: 151324
Ion Ratio Lower Upper
178 100
176 18.5 15.8 23.8
179 15.3 12.6 19.0



#72
Anthracene
Concen: 2.613 ng
RT: 11.475 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF141928.D
Acq: 11 Mar 2025 21:12

Tgt Ion:178 Resp: 54067
Ion Ratio Lower Upper
178 100
176 18.9 15.1 22.7
179 15.4 12.6 19.0





#75

Fluoranthene

Concen: 18.465 ng

RT: 12.610 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141928.D

Acq: 11 Mar 2025 21:12

Instrument :

BNA_F

ClientSampleId :

SU-03-03102025

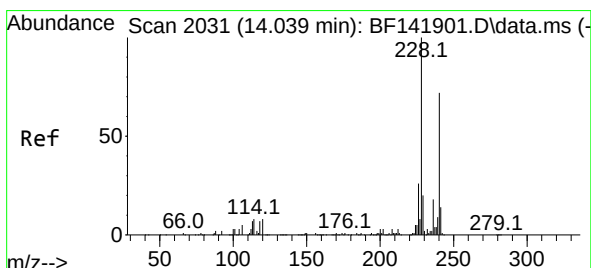
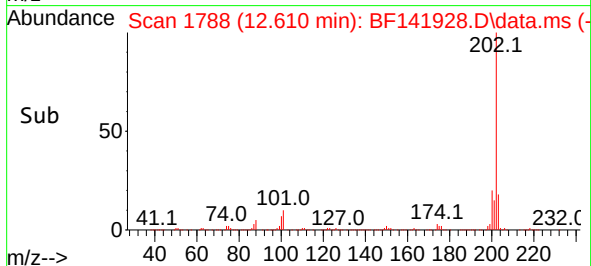
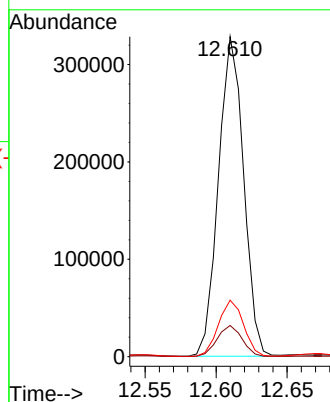
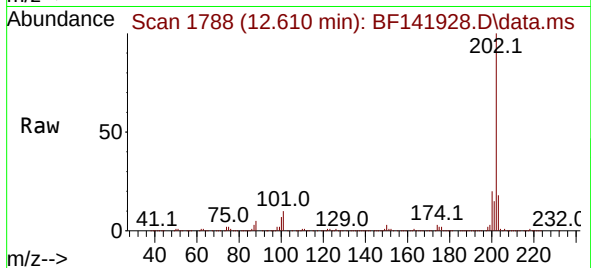
Tgt Ion:202 Resp: 404018

Ion Ratio Lower Upper

202 100

101 9.8 0.0 29.7

203 17.7 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: BF141928.D

Acq: 11 Mar 2025 21:12

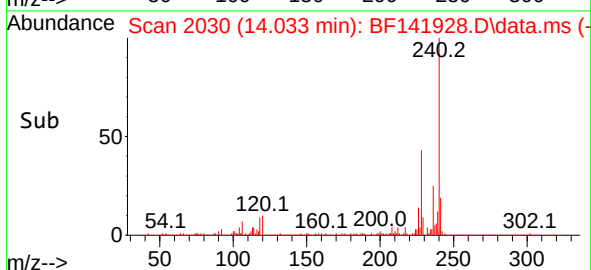
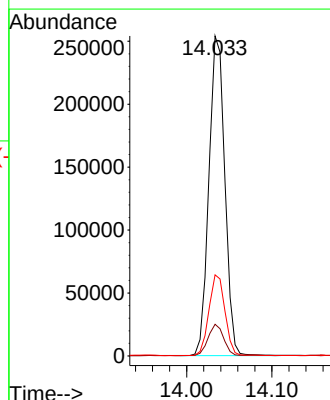
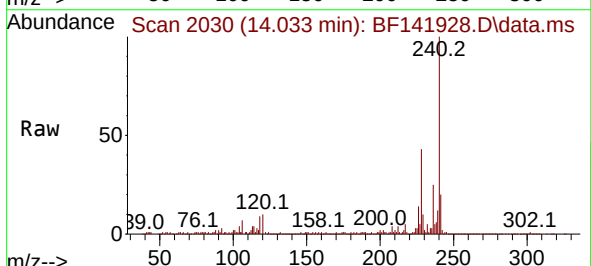
Tgt Ion:240 Resp: 329644

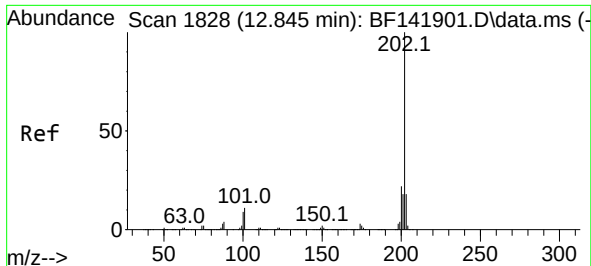
Ion Ratio Lower Upper

240 100

120 9.9 8.4 12.6

236 25.4 20.5 30.7

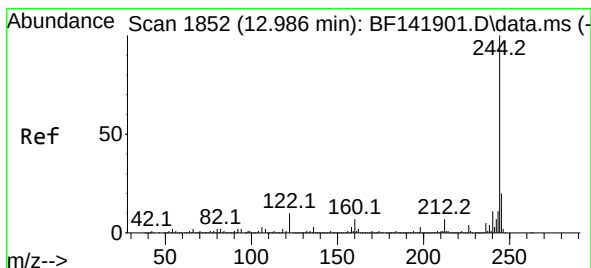
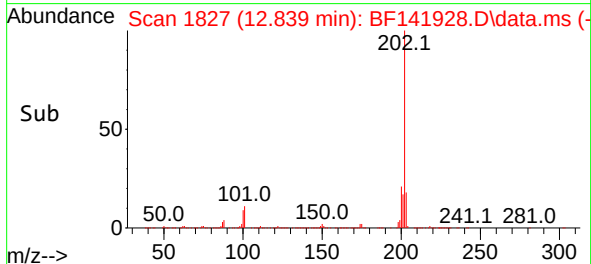
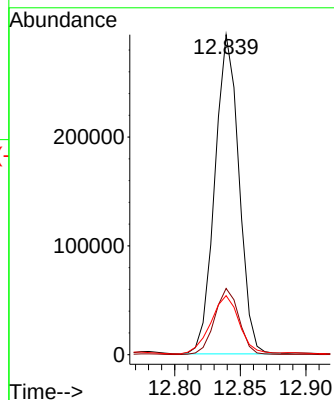
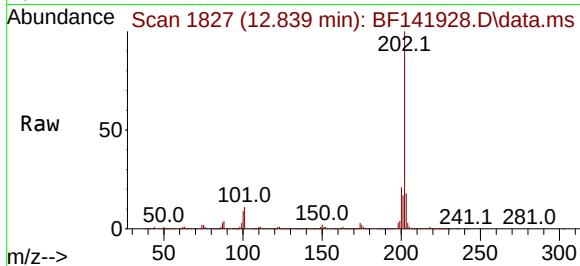




#78
Pyrene
Concen: 13.147 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF141928.D
Acq: 11 Mar 2025 21:12

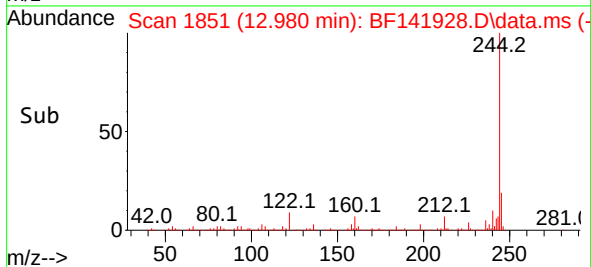
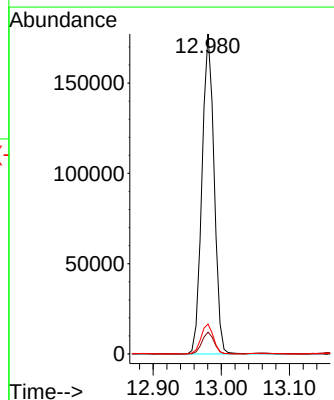
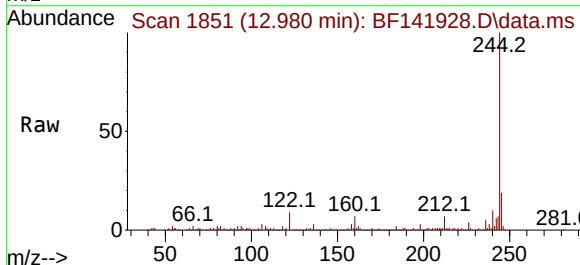
Instrument :
BNA_F
ClientSampleId :
SU-03-03102025

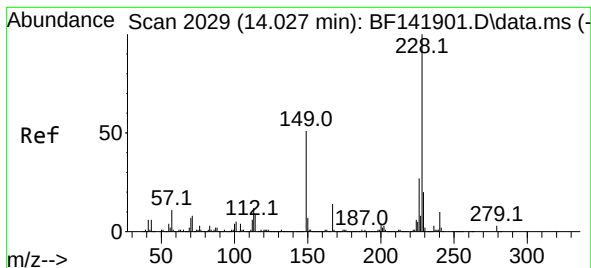
Tgt Ion:202 Resp: 374869
Ion Ratio Lower Upper
202 100
200 20.7 17.3 25.9
203 18.4 14.4 21.6



#79
Terphenyl-d14
Concen: 9.845 ng
RT: 12.980 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BF141928.D
Acq: 11 Mar 2025 21:12

Tgt Ion:244 Resp: 219509
Ion Ratio Lower Upper
244 100
212 6.8 6.0 9.0
122 9.4 7.7 11.5





#81

Benzo(a)anthracene

Concen: 10.556 ng

RT: 14.027 min Scan# 2029

Delta R.T. 0.000 min

Lab File: BF141928.D

Acq: 11 Mar 2025 21:12

Instrument :

BNA_F

ClientSampleId :

SU-03-03102025

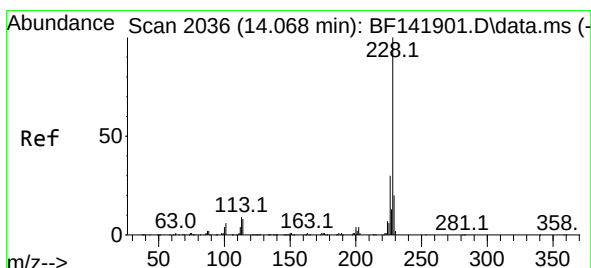
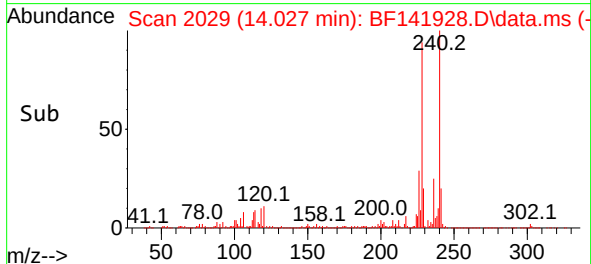
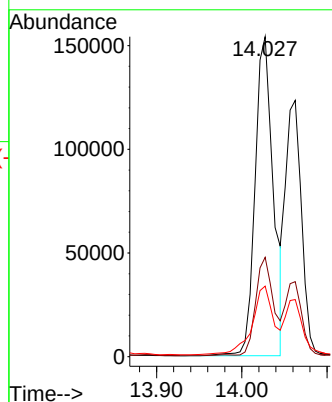
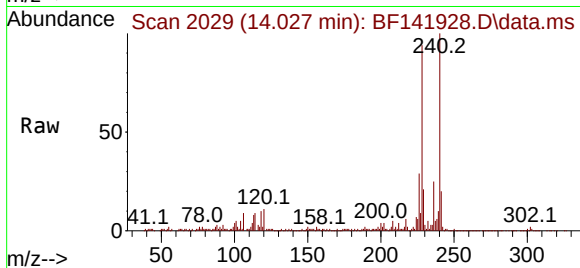
Tgt Ion:228 Resp: 228333

Ion Ratio Lower Upper

228 100

226 31.0 21.8 32.8

229 22.0 16.0 24.0



#83

Chrysene

Concen: 8.153 ng

RT: 14.063 min Scan# 2035

Delta R.T. -0.006 min

Lab File: BF141928.D

Acq: 11 Mar 2025 21:12

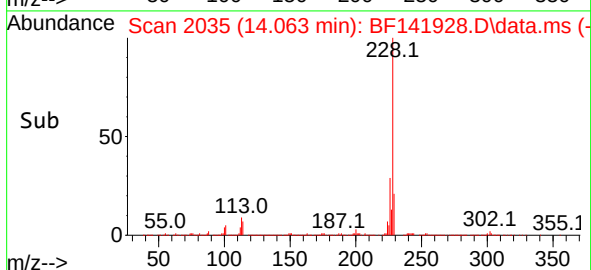
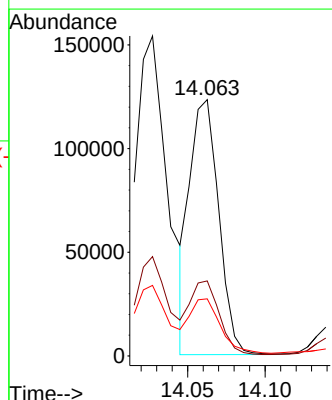
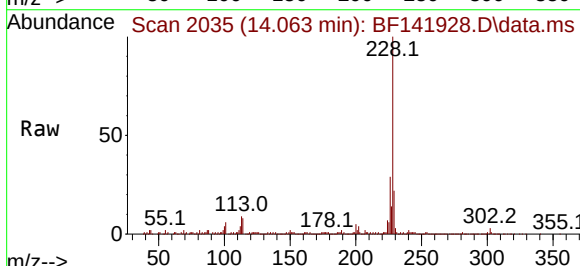
Tgt Ion:228 Resp: 159867

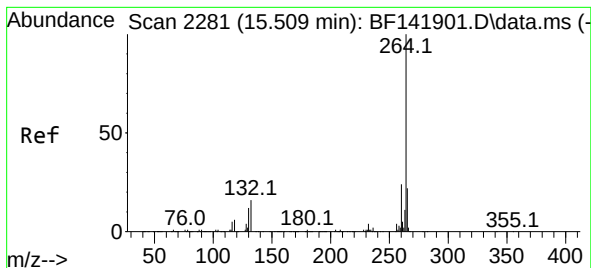
Ion Ratio Lower Upper

228 100

226 29.3 24.1 36.1

229 22.3 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.510 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF141928.D

Acq: 11 Mar 2025 21:12

Instrument :

BNA_F

ClientSampleId :

SU-03-03102025

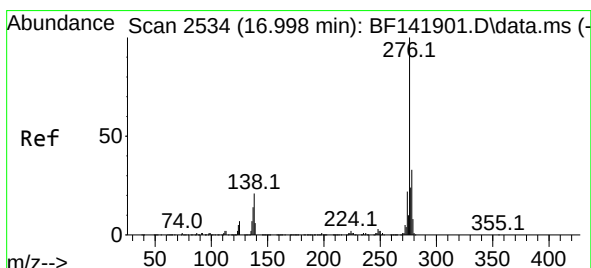
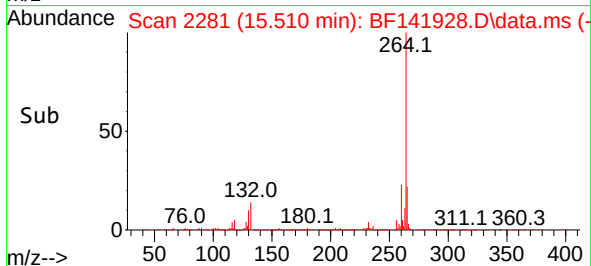
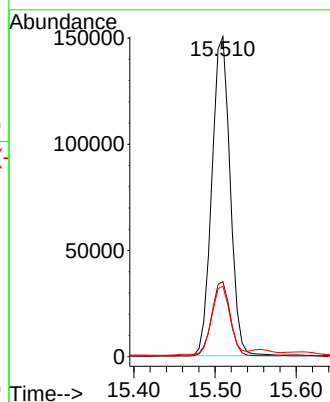
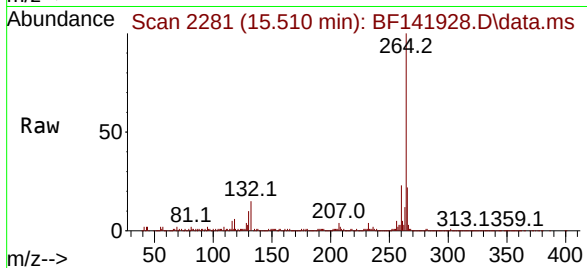
Tgt Ion:264 Resp: 234413

Ion Ratio Lower Upper

264 100

260 23.4 19.1 28.7

265 22.0 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.161 ng

RT: 16.986 min Scan# 2532

Delta R.T. -0.012 min

Lab File: BF141928.D

Acq: 11 Mar 2025 21:12

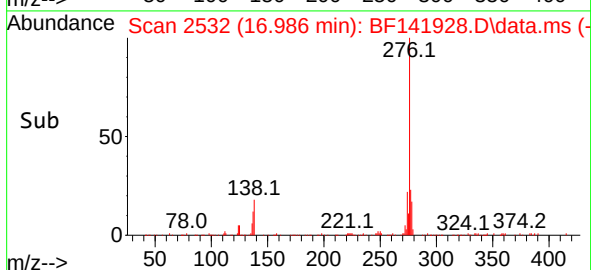
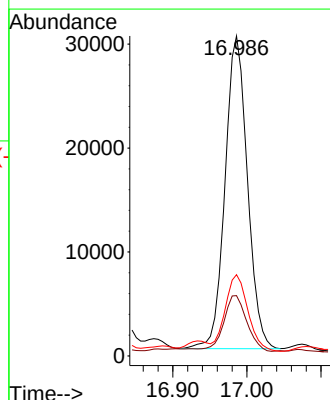
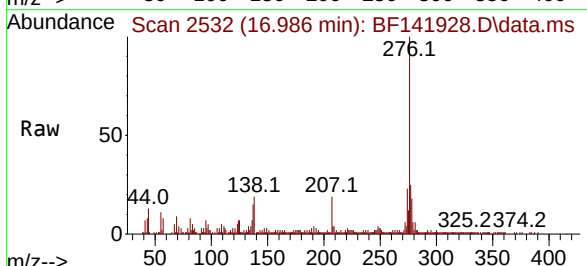
Tgt Ion:276 Resp: 63097

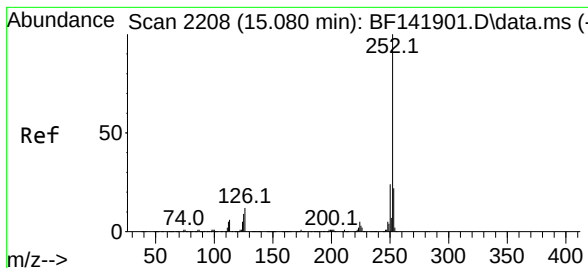
Ion Ratio Lower Upper

276 100

138 18.5 18.4 27.6

277 24.9 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 14.562 ng

RT: 15.080 min Scan# 2208

Delta R.T. 0.000 min

Lab File: BF141928.D

Acq: 11 Mar 2025 21:12

Instrument :

BNA_F

ClientSampleId :

SU-03-03102025

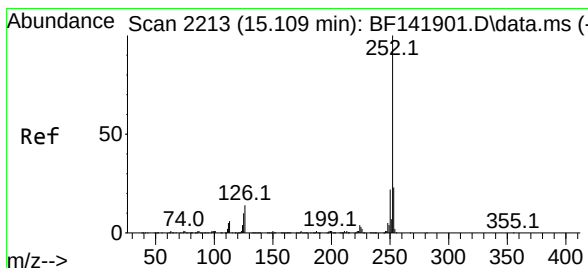
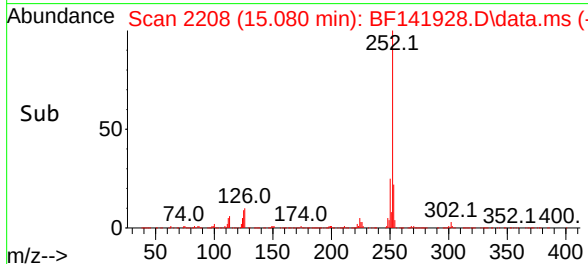
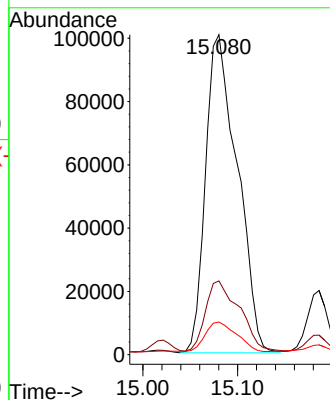
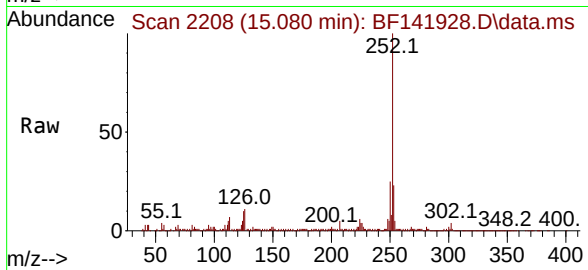
Tgt Ion:252 Resp: 233949

Ion Ratio Lower Upper

252 100

253 23.0 17.5 26.3

125 10.2 7.0 10.4



#89

Benzo(k)fluoranthene

Concen: 17.016 ng

RT: 15.080 min Scan# 2208

Delta R.T. -0.029 min

Lab File: BF141928.D

Acq: 11 Mar 2025 21:12

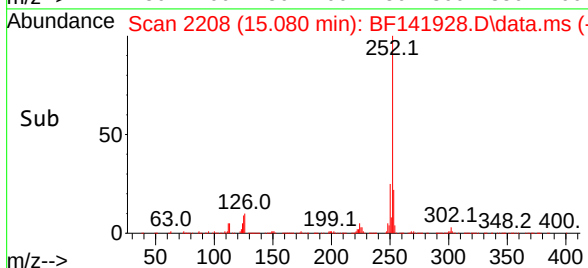
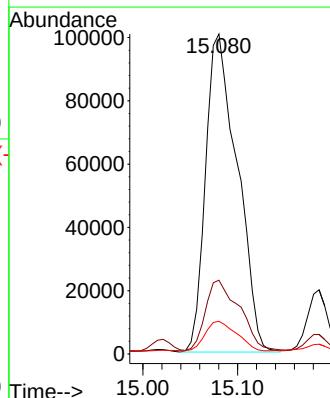
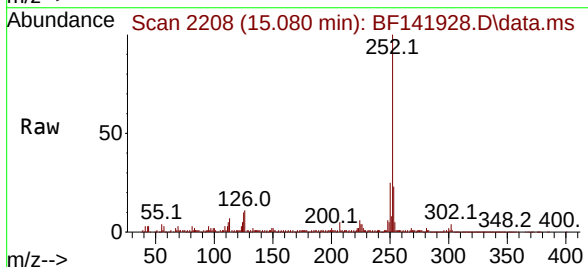
Tgt Ion:252 Resp: 233949

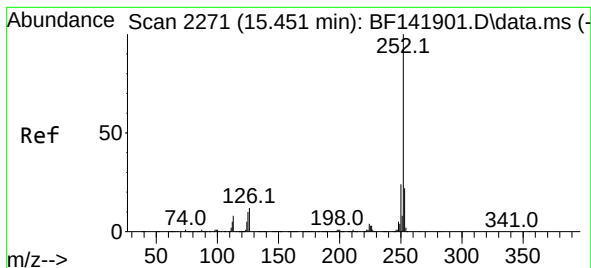
Ion Ratio Lower Upper

252 100

253 23.0 17.7 26.5

125 10.2 7.2 10.8





#90

Benzo(a)pyrene

Concen: 9.192 ng

RT: 15.445 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141928.D

Acq: 11 Mar 2025 21:12

Instrument :

BNA_F

ClientSampleId :

SU-03-03102025

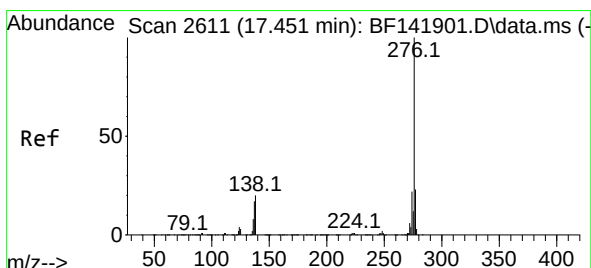
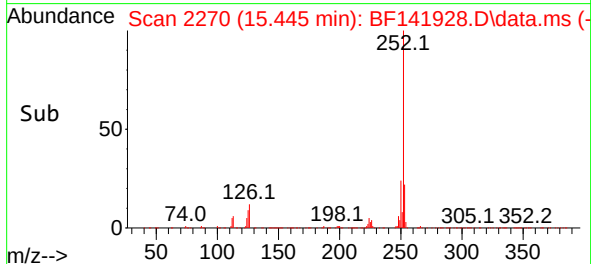
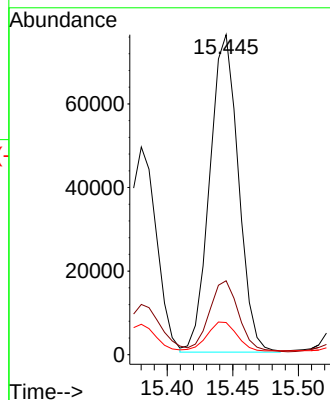
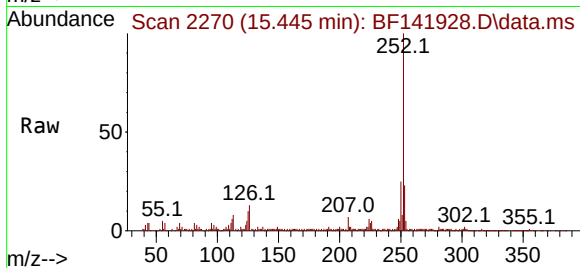
Tgt Ion:252 Resp: 115552

Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.0

125 10.0 7.8 11.8



#92

Benzo(g,h,i)perylene

Concen: 4.665 ng

RT: 17.433 min Scan# 2608

Delta R.T. -0.017 min

Lab File: BF141928.D

Acq: 11 Mar 2025 21:12

Tgt Ion:276 Resp: 57678

Ion Ratio Lower Upper

276 100

277 24.8 18.7 28.1

138 20.1 15.8 23.8

