

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031925\
 Data File : BF142003.D
 Acq On : 19 Mar 2025 13:44
 Operator : RC/JU
 Sample : Q1598-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11944

Quant Time: Mar 19 14:04:54 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)

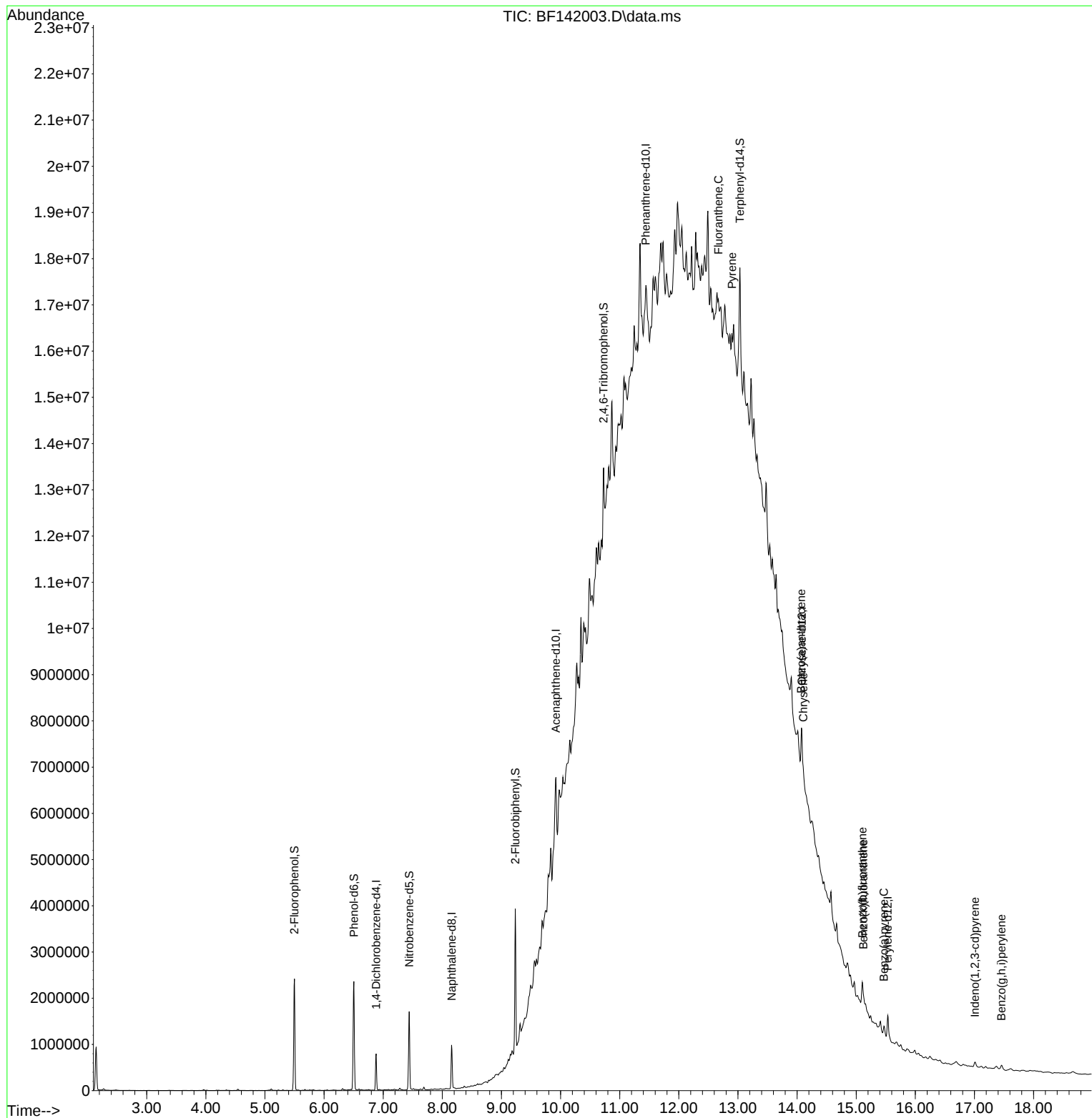
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	166795	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	603627	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	266141	20.000	ng	0.00
64) Phenanthrene-d10	11.439	188	392530	20.000	ng	# 0.04
76) Chrysene-d12	14.080	240	383666	20.000	ng	# 0.04
86) Perylene-d12	15.533	264	294033	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	951896	95.247	ng	0.00
7) Phenol-d6	6.504	99	1170653	92.000	ng	0.00
23) Nitrobenzene-d5	7.439	82	757078	70.582	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	405388	120.067	ng	0.02
45) 2-Fluorobiphenyl	9.233	172	1327846	75.877	ng	0.00
79) Terphenyl-d14	13.033	244	1413505	54.469	ng	0.05
Target Compounds						Qvalue
75) Fluoranthene	12.668	202	342602	15.233	ng	71
78) Pyrene	12.898	202	322803	9.727	ng	# 74
81) Benzo(a)anthracene	14.068	228	193490	7.685	ng	# 84
83) Chrysene	14.104	228	182468	7.995	ng	# 88
87) Indeno(1,2,3-cd)pyrene	17.009	276	88262	4.640	ng	# 92
88) Benzo(b)fluoranthene	15.104	252	233033m	11.564	ng	
89) Benzo(k)fluoranthene	15.121	252	78469m	4.550	ng	
90) Benzo(a)pyrene	15.468	252	134384	8.523	ng	# 87
92) Benzo(g,h,i)perylene	17.456	276	88119	5.682	ng	99

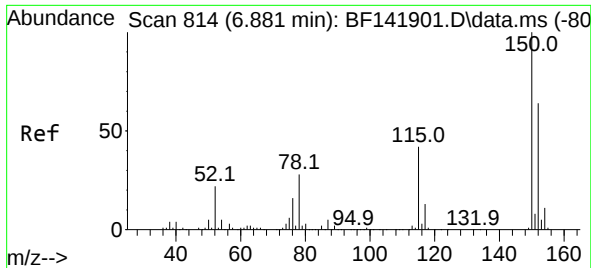
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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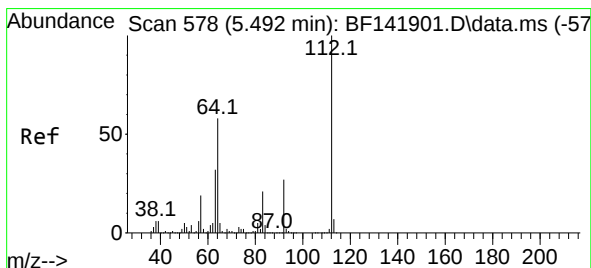
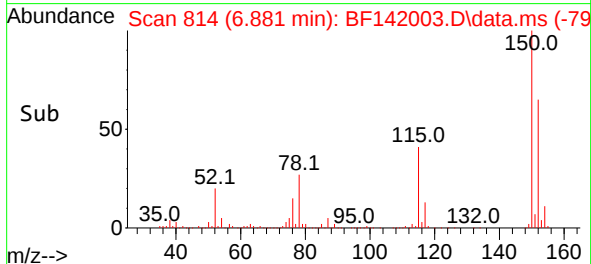
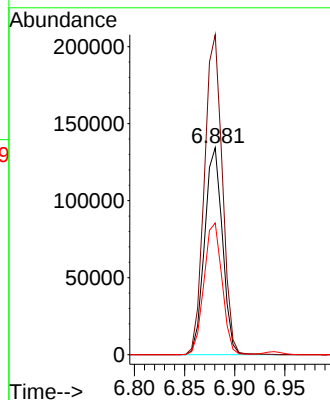
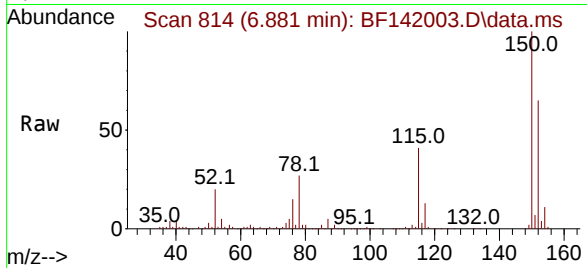




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 814
 Delta R.T. -0.000 min
 Lab File: BF142003.D
 Acq: 19 Mar 2025 13:44

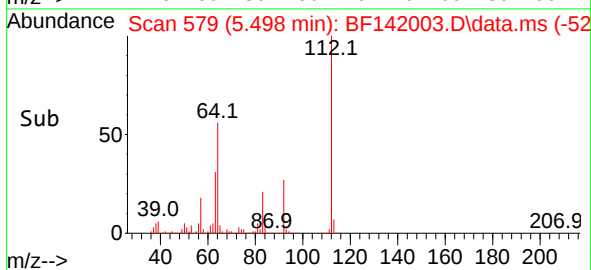
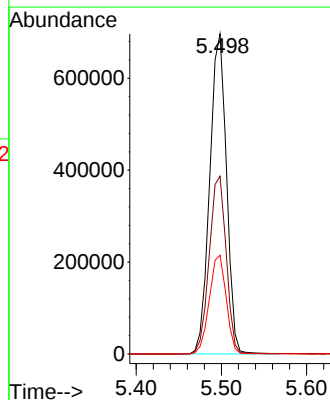
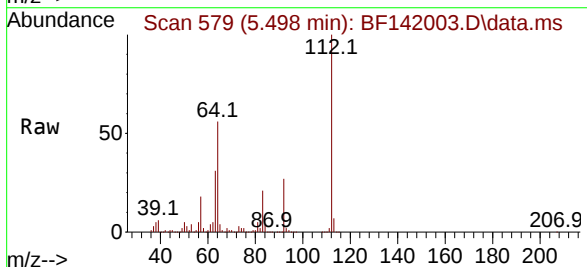
Instrument :
 BNA_F
 ClientSampleId :
 72-11944

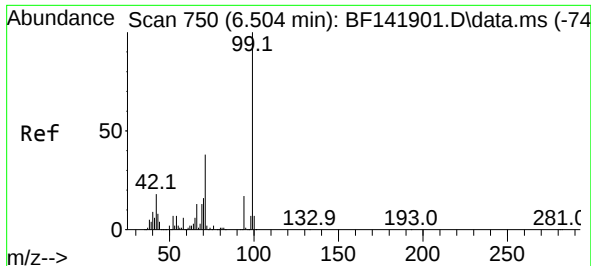
Tgt Ion:152 Resp: 166795
 Ion Ratio Lower Upper
 152 100
 150 154.6 127.4 191.2
 115 63.6 51.9 77.9



#5
 2-Fluorophenol
 Concen: 95.247 ng
 RT: 5.498 min Scan# 579
 Delta R.T. 0.006 min
 Lab File: BF142003.D
 Acq: 19 Mar 2025 13:44

Tgt Ion:112 Resp: 951896
 Ion Ratio Lower Upper
 112 100
 64 55.6 46.5 69.7
 63 30.8 25.4 38.2



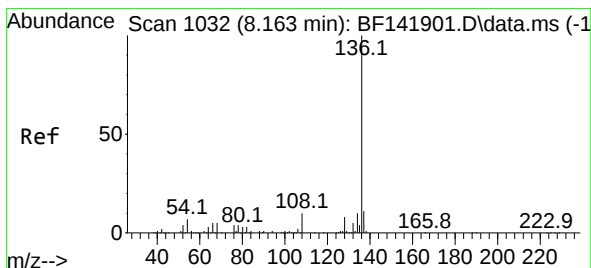
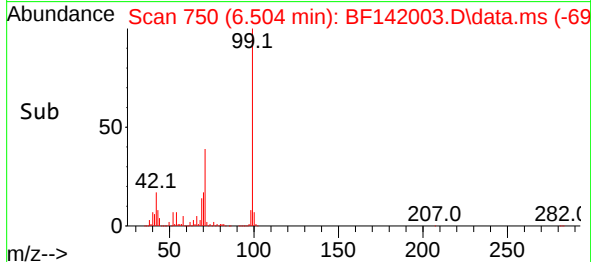
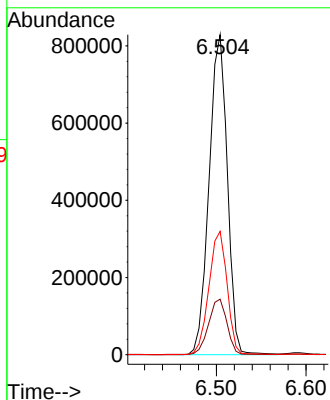
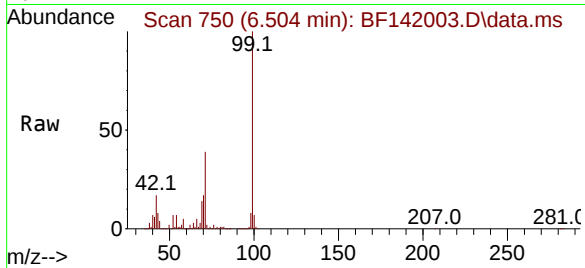


#7
Phenol-d6
Concen: 92.000 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF142003.D
Acq: 19 Mar 2025 13:44

Instrument :
BNA_F
ClientSampleId :
72-11944

Tgt Ion: 99 Resp: 1170653

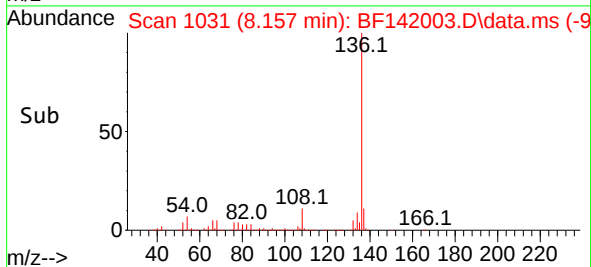
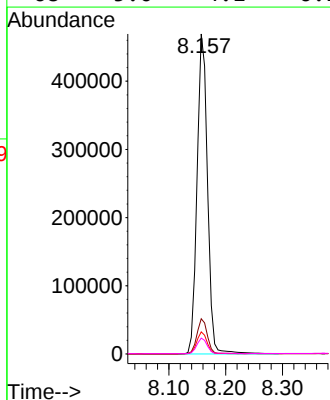
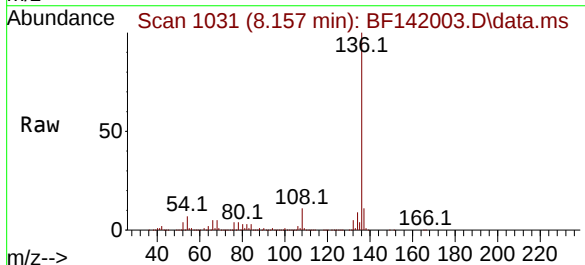
Ion	Ratio	Lower	Upper
99	100		
42	17.3	14.6	21.8
71	38.5	30.8	46.2

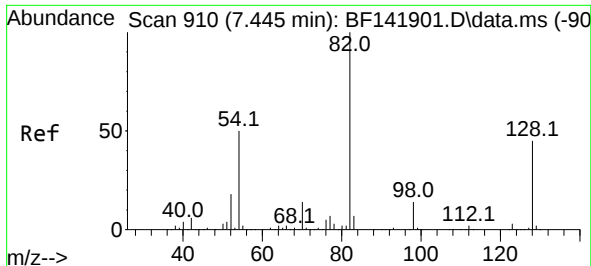


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF142003.D
Acq: 19 Mar 2025 13:44

Tgt Ion:136 Resp: 603627

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	6.9	5.8	8.8
68	5.0	4.1	6.1

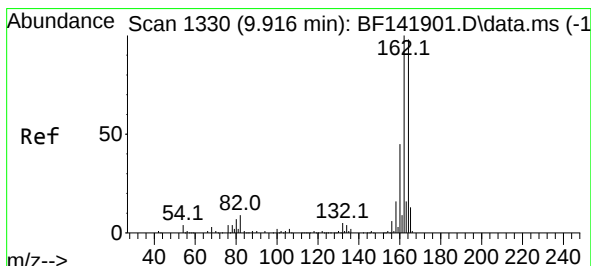
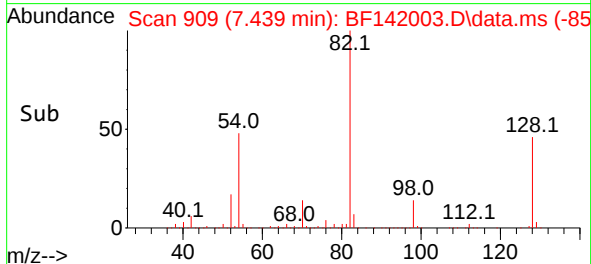
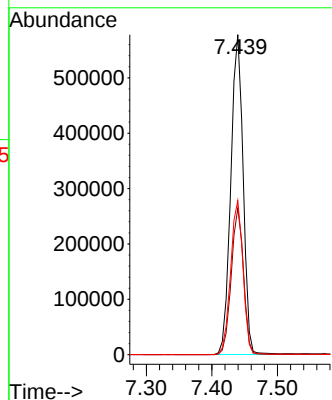
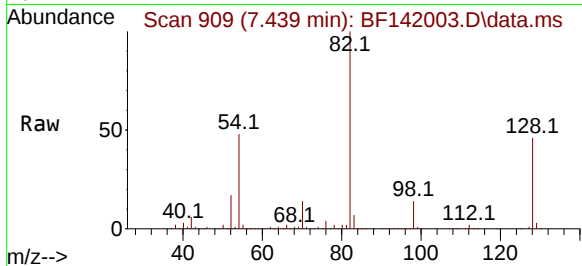




#23
Nitrobenzene-d5
Concen: 70.582 ng
RT: 7.439 min Scan# 90
Delta R.T. -0.006 min
Lab File: BF142003.D
Acq: 19 Mar 2025 13:44

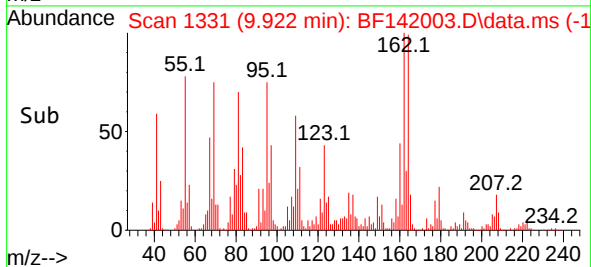
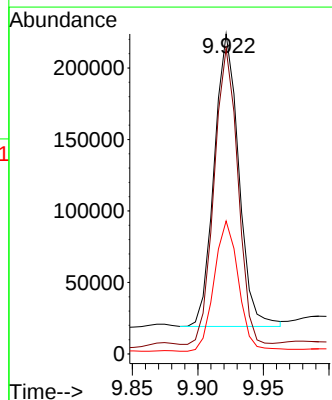
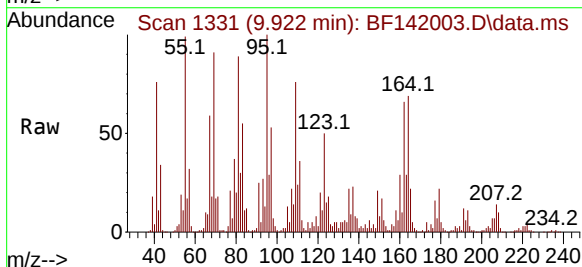
Instrument :
BNA_F
ClientSampleId :
72-11944

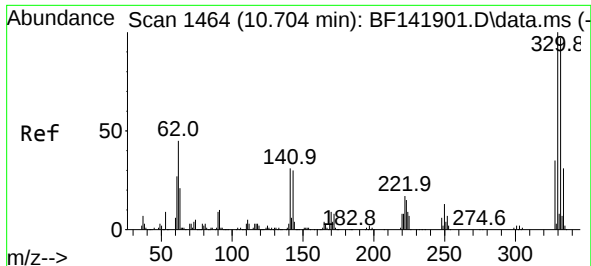
Tgt Ion: 82 Resp: 757078
Ion Ratio Lower Upper
82 100
128 45.8 36.0 54.0
54 48.2 39.6 59.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.006 min
Lab File: BF142003.D
Acq: 19 Mar 2025 13:44

Tgt Ion:164 Resp: 266141
Ion Ratio Lower Upper
164 100
162 95.5 81.8 122.6
160 41.6 36.7 55.1

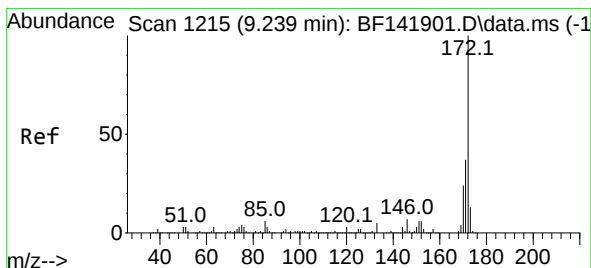
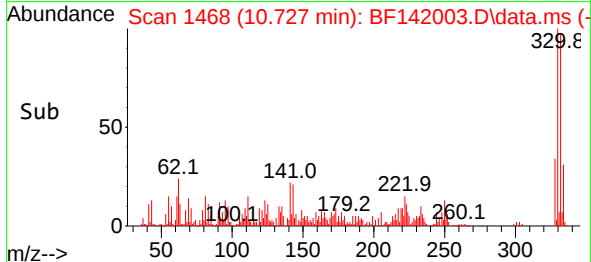
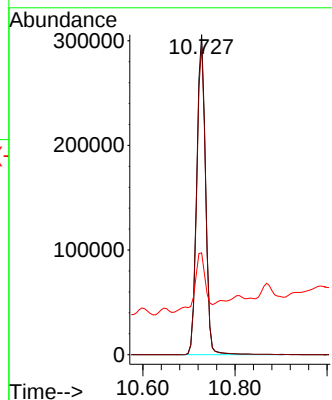
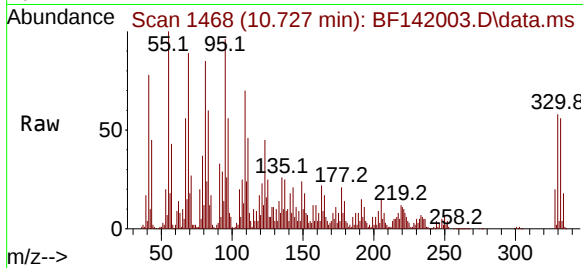




#42
2,4,6-Tribromophenol
Concen: 120.067 ng
RT: 10.727 min Scan# 1468
Delta R.T. 0.024 min
Lab File: BF142003.D
Acq: 19 Mar 2025 13:44

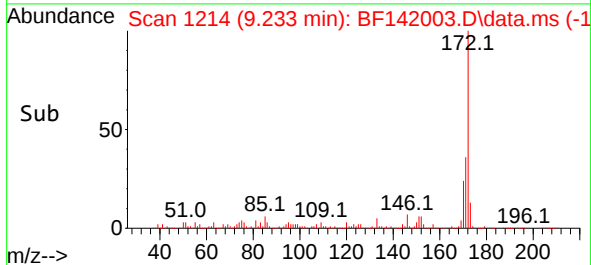
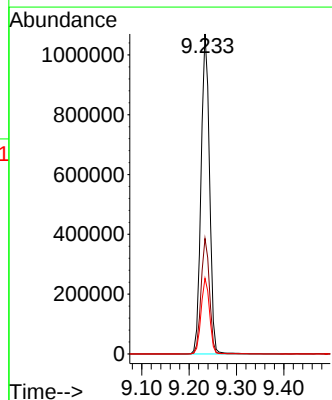
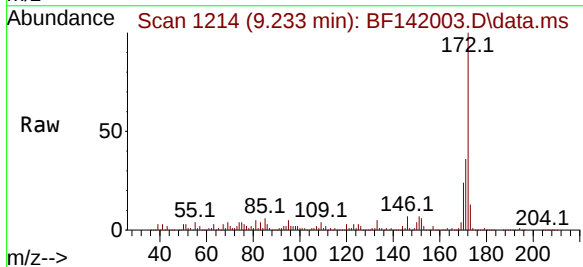
Instrument :
BNA_F
ClientSampleId :
72-11944

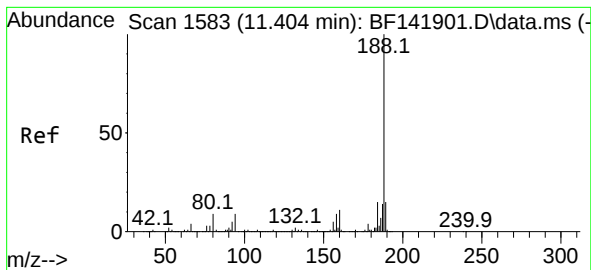
Tgt Ion:330 Resp: 405388
Ion Ratio Lower Upper
330 100
332 96.8 77.6 116.4
141 22.3 24.7 37.1#



#45
2-Fluorobiphenyl
Concen: 75.877 ng
RT: 9.233 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF142003.D
Acq: 19 Mar 2025 13:44

Tgt Ion:172 Resp: 1327846
Ion Ratio Lower Upper
172 100
171 36.1 29.3 43.9
170 23.6 19.4 29.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.439 min Scan# 1

Delta R.T. 0.035 min

Lab File: BF142003.D

Acq: 19 Mar 2025 13:44

Instrument :

BNA_F

ClientSampleId :

72-11944

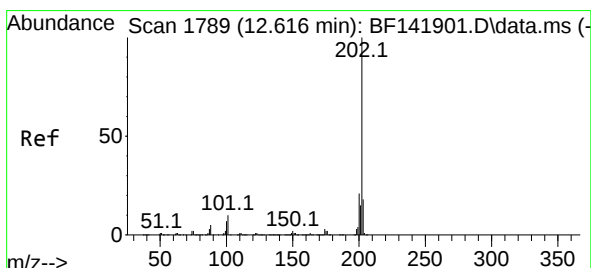
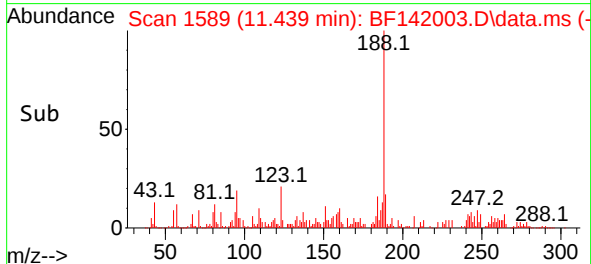
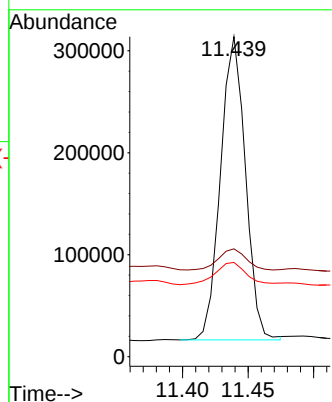
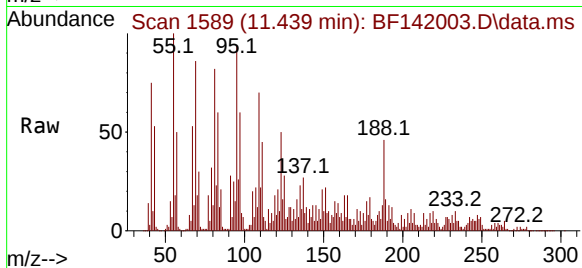
Tgt Ion:188 Resp: 392530

Ion Ratio Lower Upper

188 100

94 33.7 6.8 10.2#

80 29.4 7.6 11.4#



#75

Fluoranthene

Concen: 15.233 ng

RT: 12.668 min Scan# 1798

Delta R.T. 0.053 min

Lab File: BF142003.D

Acq: 19 Mar 2025 13:44

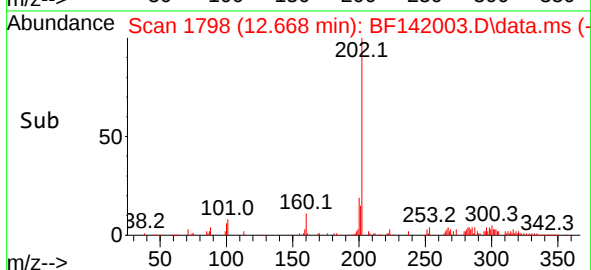
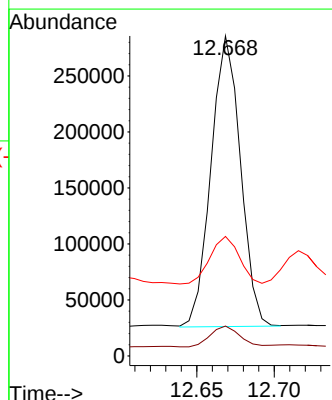
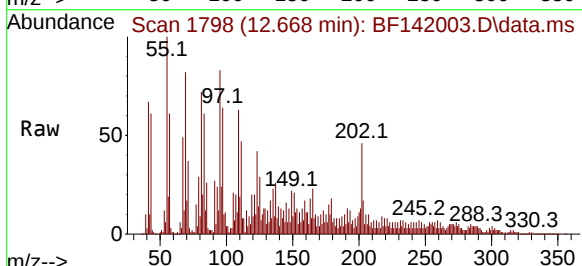
Tgt Ion:202 Resp: 342602

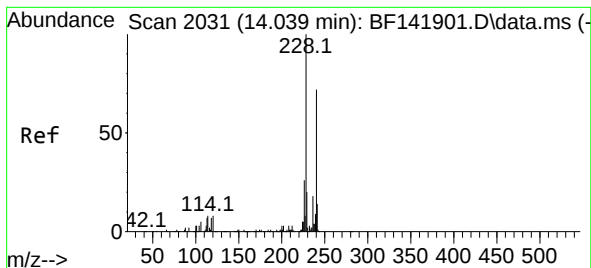
Ion Ratio Lower Upper

202 100

101 9.3 0.0 29.7

203 37.3 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.080 min Scan# 2031

Delta R.T. 0.041 min

Lab File: BF142003.D

Acq: 19 Mar 2025 13:44

Instrument :

BNA_F

ClientSampleId :

72-11944

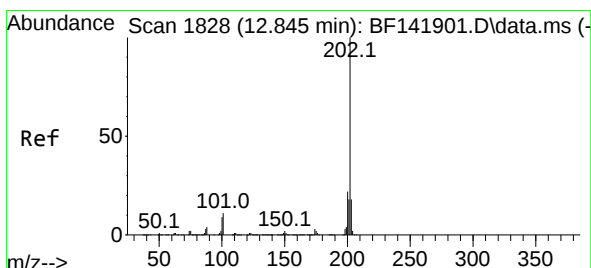
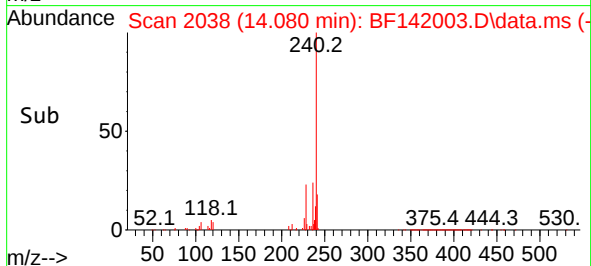
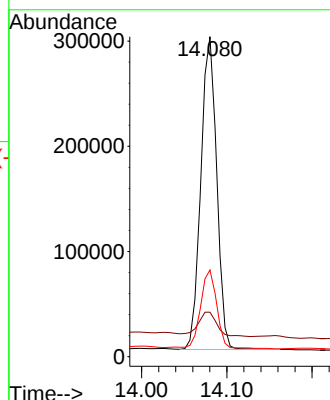
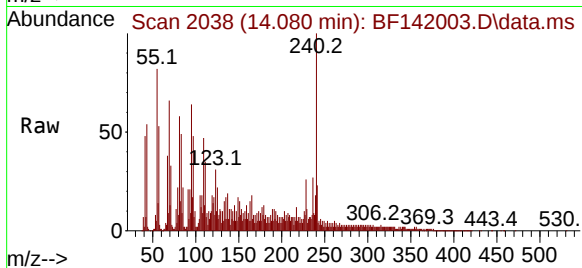
Tgt Ion:240 Resp: 383666

Ion Ratio Lower Upper

240 100

120 13.9 8.4 12.6#

236 27.1 20.5 30.7



#78

Pyrene

Concen: 9.727 ng

RT: 12.898 min Scan# 1837

Delta R.T. 0.053 min

Lab File: BF142003.D

Acq: 19 Mar 2025 13:44

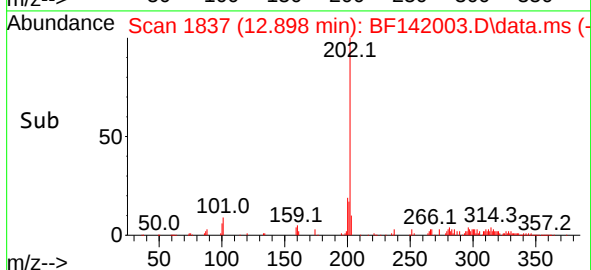
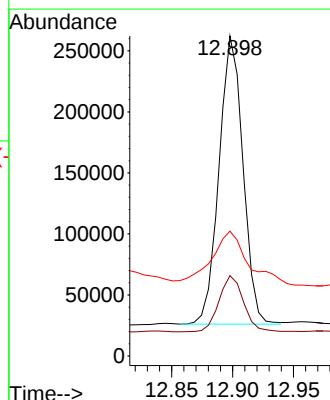
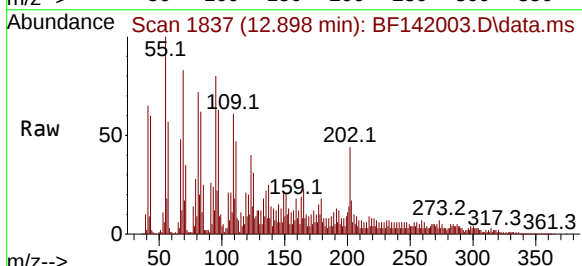
Tgt Ion:202 Resp: 322803

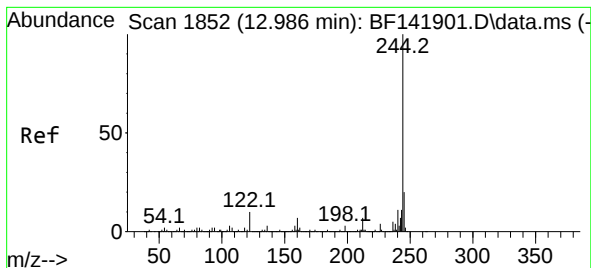
Ion Ratio Lower Upper

202 100

200 25.1 17.3 25.9

203 39.0 14.4 21.6#





#79

Terphenyl-d14

Concen: 54.469 ng

RT: 13.033 min Scan# 1

Delta R.T. 0.047 min

Lab File: BF142003.D

Acq: 19 Mar 2025 13:44

Instrument :

BNA_F

ClientSampleId :

72-11944

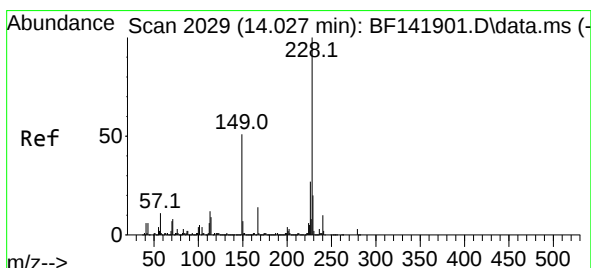
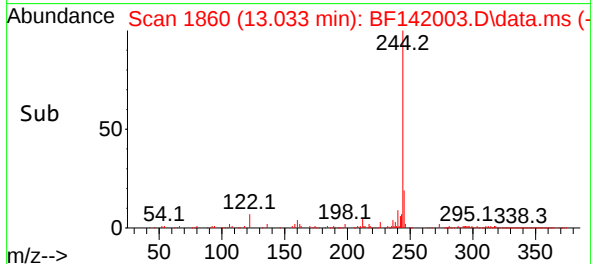
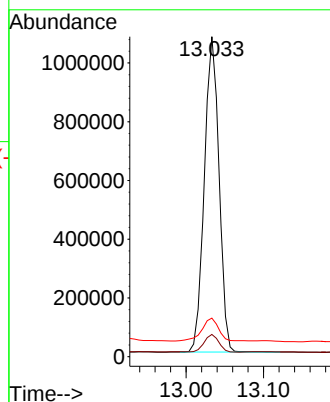
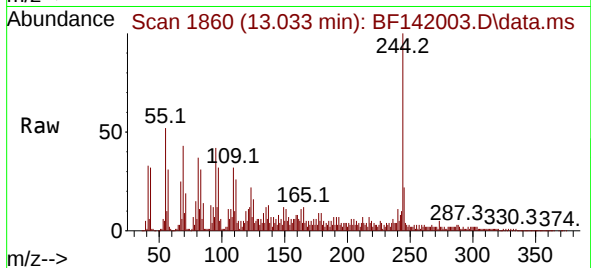
Tgt Ion:244 Resp: 1413505

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

122 12.1 7.7 11.5#



#81

Benzo(a)anthracene

Concen: 7.685 ng

RT: 14.068 min Scan# 2036

Delta R.T. 0.041 min

Lab File: BF142003.D

Acq: 19 Mar 2025 13:44

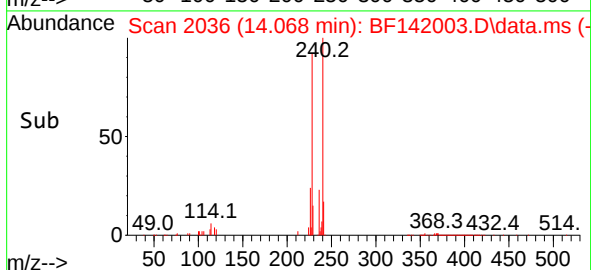
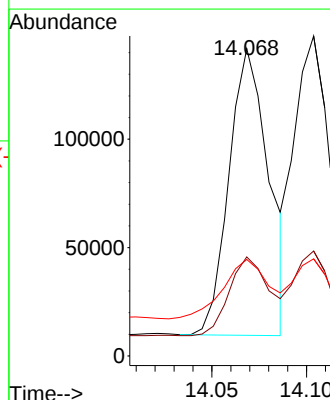
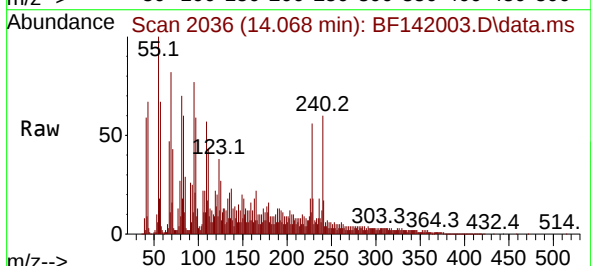
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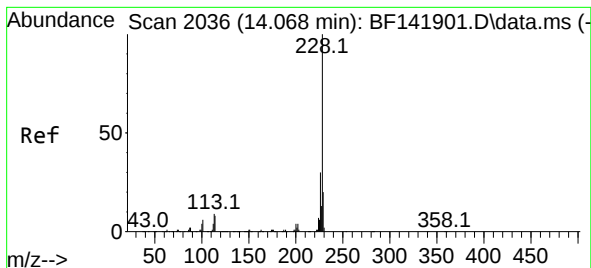
Ion Ratio Lower Upper

228 100

226 32.2 21.8 32.8

229 31.4 16.0 24.0#





#83

Chrysene

Concen: 7.995 ng

RT: 14.104 min Scan# 2042

Delta R.T. 0.035 min

Lab File: BF142003.D

Acq: 19 Mar 2025 13:44

Instrument :

BNA_F

ClientSampleId :

72-11944

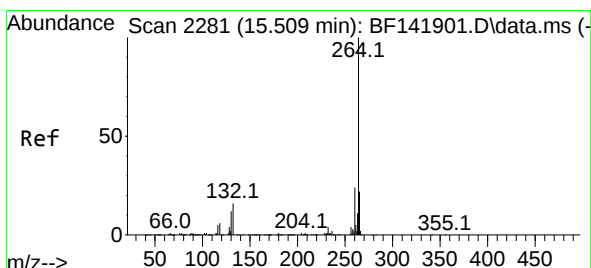
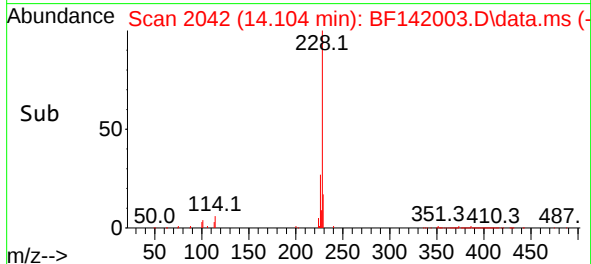
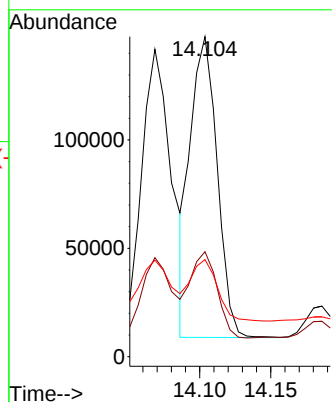
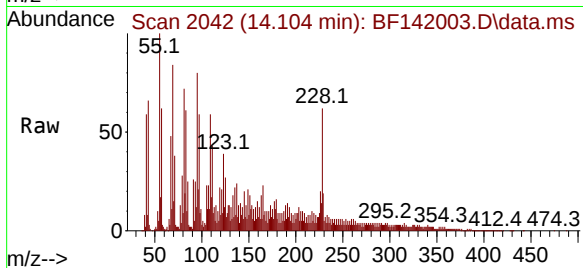
Tgt Ion:228 Resp: 182468

Ion Ratio Lower Upper

228 100

226 32.8 24.1 36.1

229 30.4 15.7 23.5#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 2285

Delta R.T. 0.024 min

Lab File: BF142003.D

Acq: 19 Mar 2025 13:44

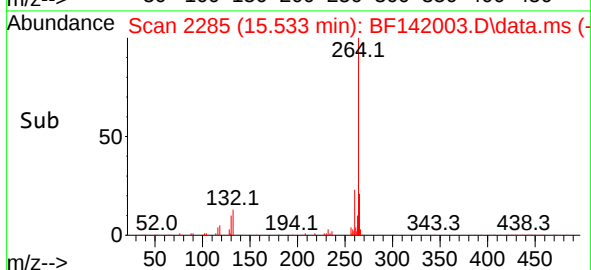
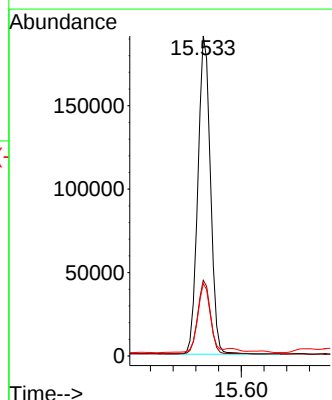
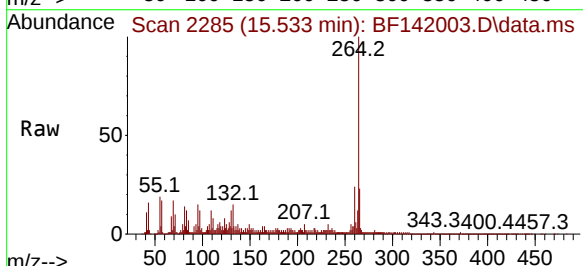
Tgt Ion:264 Resp: 294033

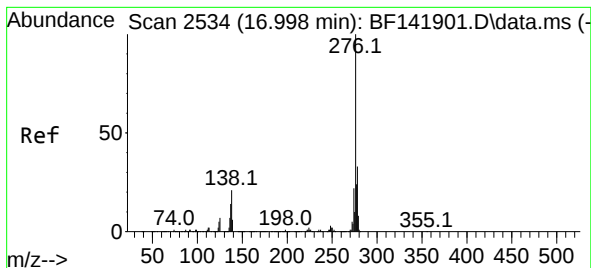
Ion Ratio Lower Upper

264 100

260 23.7 19.1 28.7

265 22.6 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.640 ng

RT: 17.009 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF142003.D

Acq: 19 Mar 2025 13:44

Instrument :

BNA_F

ClientSampleId :

72-11944

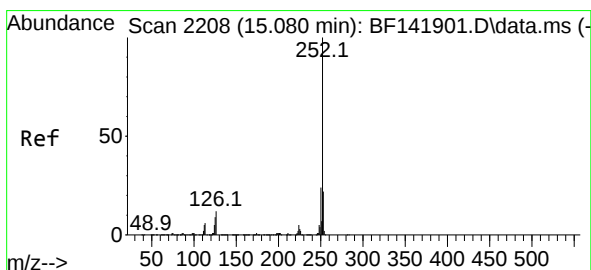
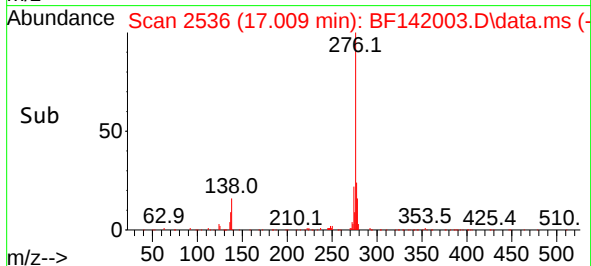
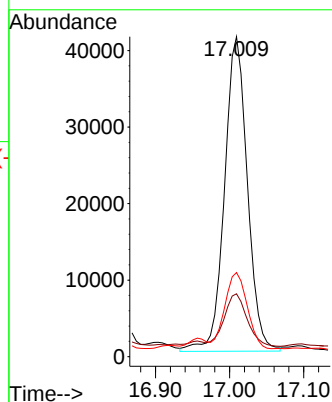
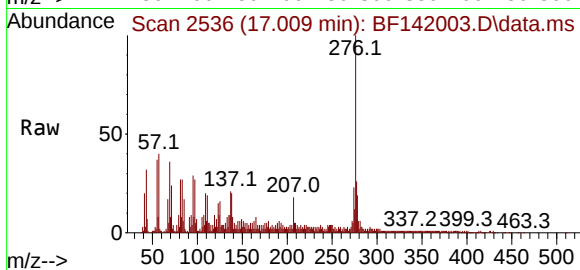
Tgt Ion:276 Resp: 88262

Ion Ratio Lower Upper

276 100

138 16.7 18.4 27.6#

277 23.6 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 11.564 ng m

RT: 15.104 min Scan# 2212

Delta R.T. 0.024 min

Lab File: BF142003.D

Acq: 19 Mar 2025 13:44

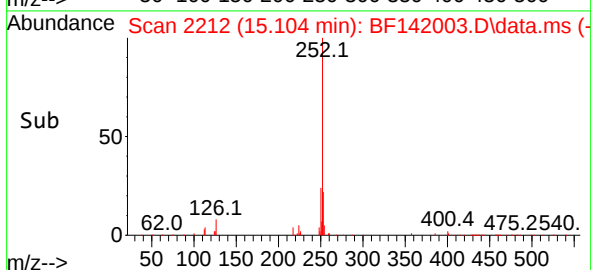
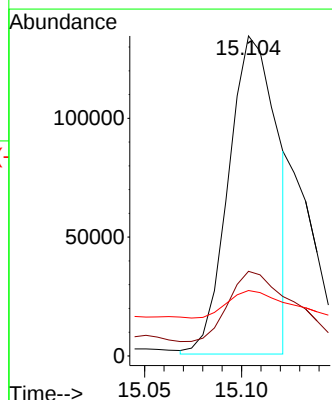
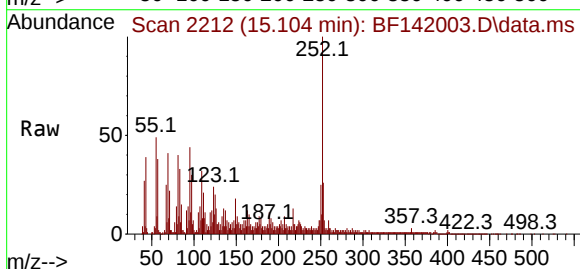
Tgt Ion:252 Resp: 233033

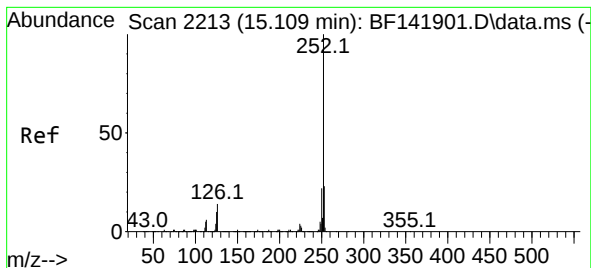
Ion Ratio Lower Upper

252 100

253 26.4 17.5 26.3#

125 20.4 7.0 10.4#





#89

Benzo(k)fluoranthene

Concen: 4.550 ng m

RT: 15.121 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF142003.D

Acq: 19 Mar 2025 13:44

Instrument :

BNA_F

ClientSampleId :

72-11944

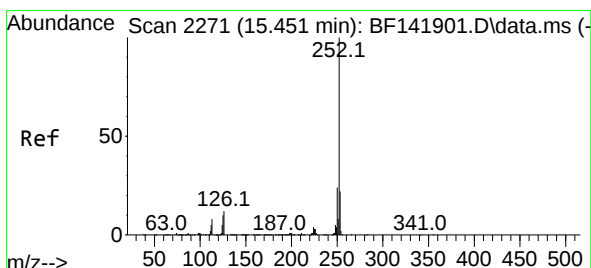
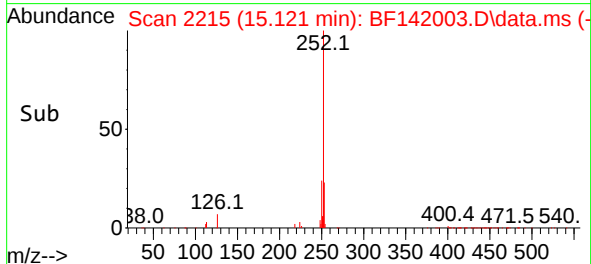
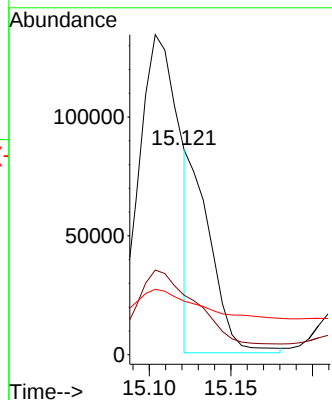
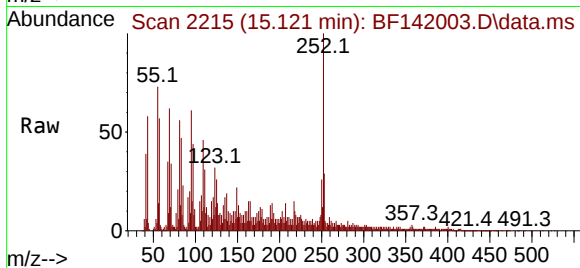
Tgt Ion:252 Resp: 78469

Ion Ratio Lower Upper

252 100

253 29.0 17.7 26.5#

125 26.1 7.2 10.8#



#90

Benzo(a)pyrene

Concen: 8.523 ng

RT: 15.468 min Scan# 2274

Delta R.T. 0.018 min

Lab File: BF142003.D

Acq: 19 Mar 2025 13:44

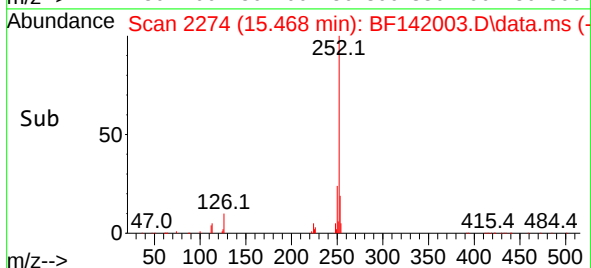
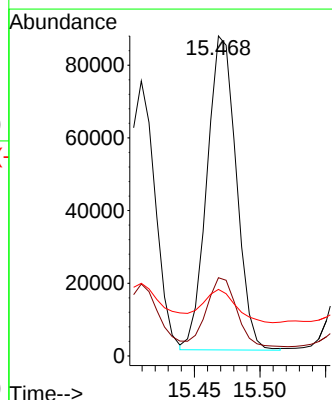
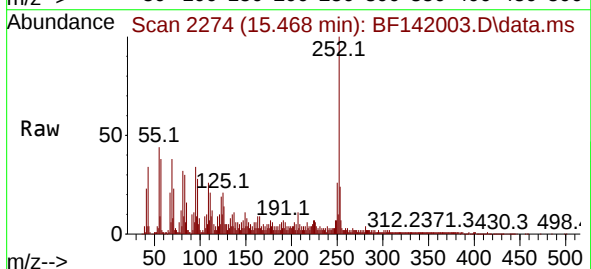
Tgt Ion:252 Resp: 134384

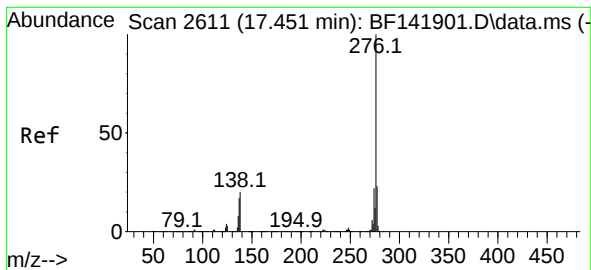
Ion Ratio Lower Upper

252 100

253 24.5 17.4 26.0

125 20.8 7.8 11.8#





#92

Benzo(g,h,i)perylene

Concen: 5.682 ng

RT: 17.456 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF142003.D

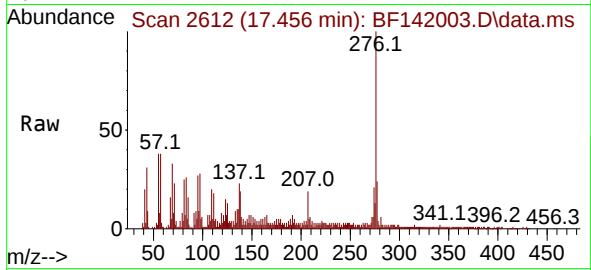
Acq: 19 Mar 2025 13:44

Instrument :

BNA_F

ClientSampleId :

72-11944



Tgt Ion:276 Resp: 88119

Ion Ratio Lower Upper

276 100

277 23.9 18.7 28.1

138 19.2 15.8 23.8

