

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112025\
 Data File : BF144302.D
 Acq On : 20 Nov 2025 18:56
 Operator : RC/JU
 Sample : Q3662-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B3-0.0-1.0-20251117

Quant Time: Nov 20 23:59:16 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

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

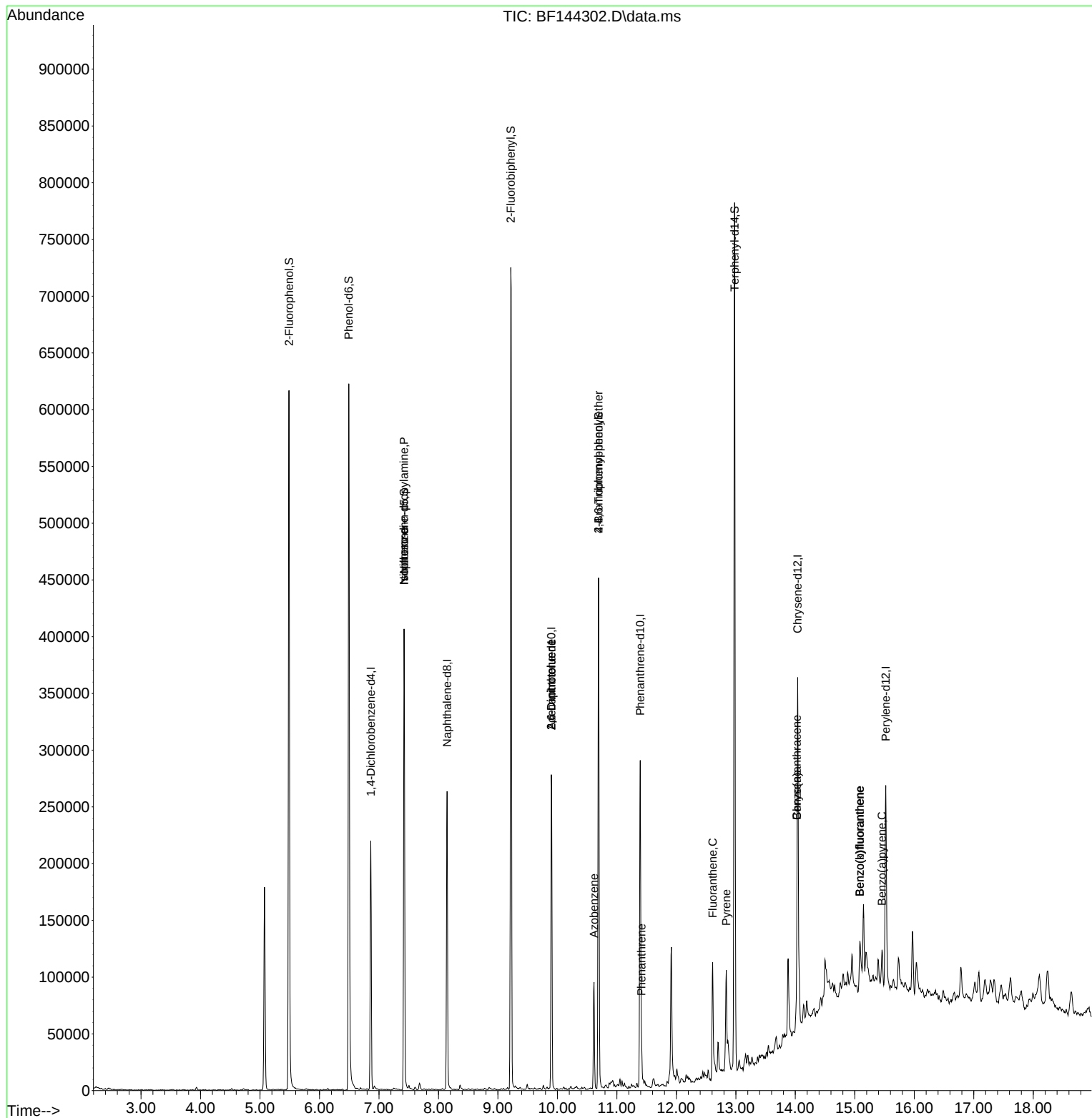
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	46510	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	165994	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	89354	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	158933	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	137554	20.000	ng	-0.01
86) Perylene-d12	15.521	264	110506	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	249067	83.801	ng	0.00
7) Phenol-d6	6.492	99	279004	82.848	ng	0.00
23) Nitrobenzene-d5	7.422	82	169804	59.081	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	89450	79.774	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	351619	58.119	ng	-0.01
79) Terphenyl-d14	12.980	244	411215	47.485	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	23358	10.536	ng	# 82
25) Isophorone	7.422	82	169803	31.234	ng	# 66
51) 2,6-Dinitrotoluene	9.898	165	11027	9.202	ng	# 27
57) 2,4-Dinitrotoluene	9.898	165	11027	6.874	ng	# 27
63) Azobenzene	10.616	77	23839	4.694	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	4656	2.295	ng	# 1
71) Phenanthrene	11.416	178	19069	2.410	ng	97
75) Fluoranthene	12.610	202	55313	6.767	ng	98
78) Pyrene	12.839	202	53335	4.809	ng	97
81) Benzo(a)anthracene	14.027	228	28902	3.032	ng	97
83) Chrysene	14.027	228	28902	3.284	ng	97
88) Benzo(b)fluoranthene	15.086	252	35902	5.715	ng	# 86
89) Benzo(k)fluoranthene	15.086	252	35902	6.105	ng	# 88
90) Benzo(a)pyrene	15.457	252	18966	3.272	ng	# 93

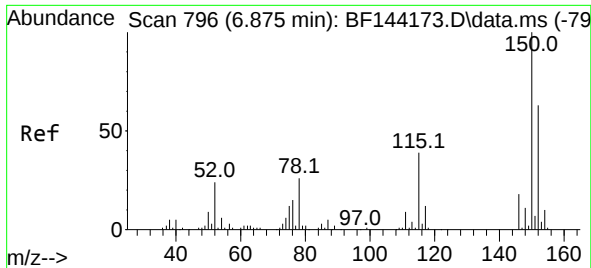
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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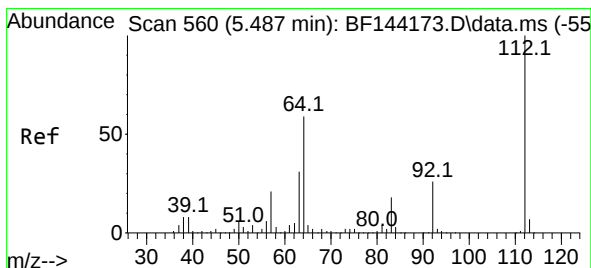
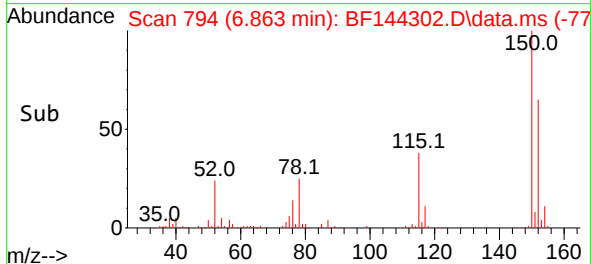
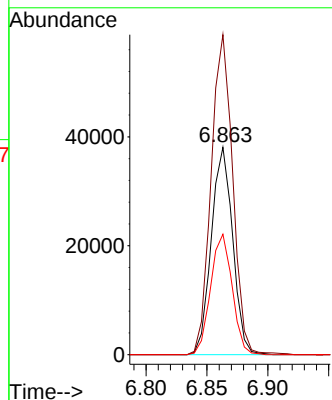
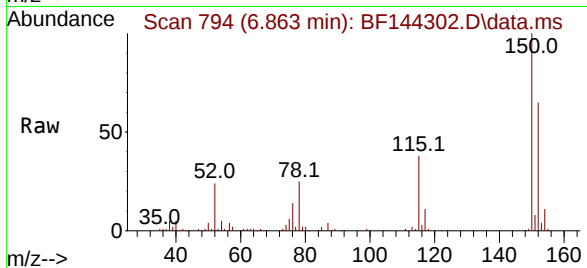




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 794
Delta R.T. -0.012 min
Lab File: BF144302.D
Acq: 20 Nov 2025 18:56

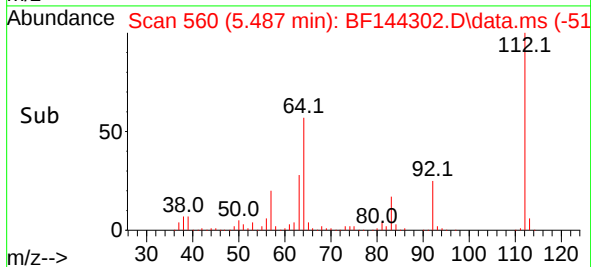
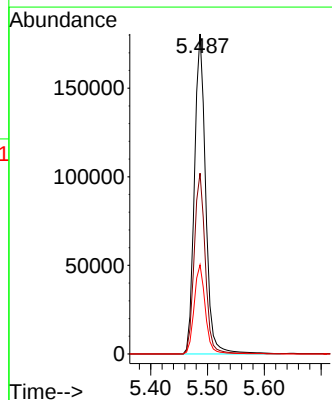
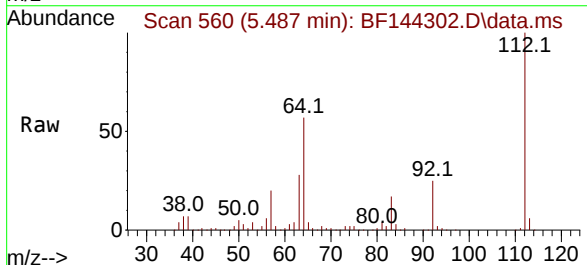
Instrument :
BNA_F
ClientSampleId :
B3-0.0-1.0-20251117

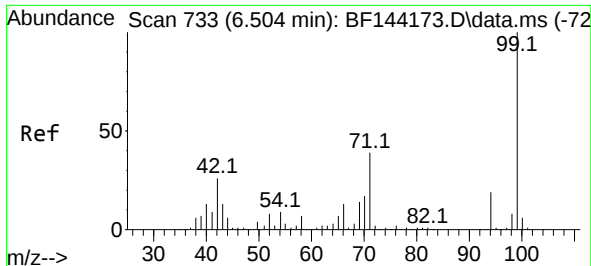
Tgt Ion:152 Resp: 46510
Ion Ratio Lower Upper
152 100
150 154.3 127.4 191.0
115 58.1 49.5 74.3



#5
2-Fluorophenol
Concen: 83.801 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144302.D
Acq: 20 Nov 2025 18:56

Tgt Ion:112 Resp: 249067
Ion Ratio Lower Upper
112 100
64 56.5 47.2 70.8
63 27.8 24.4 36.6

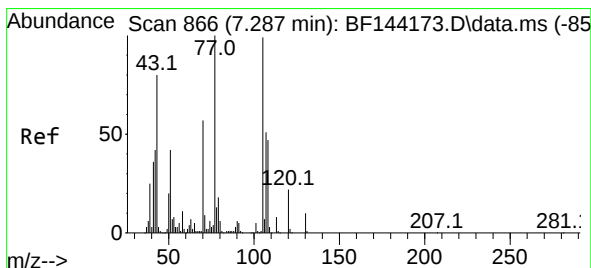
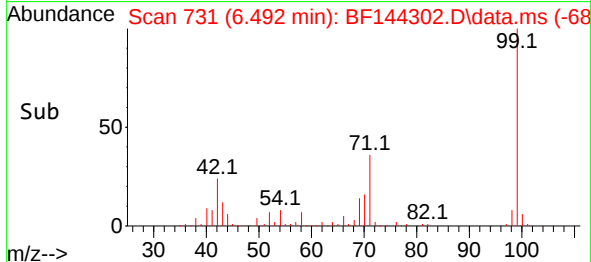
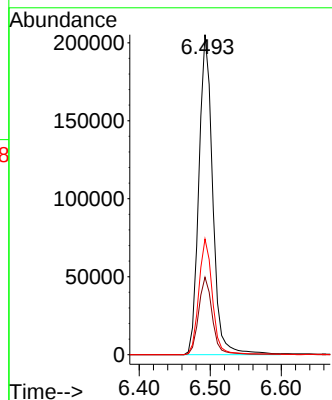
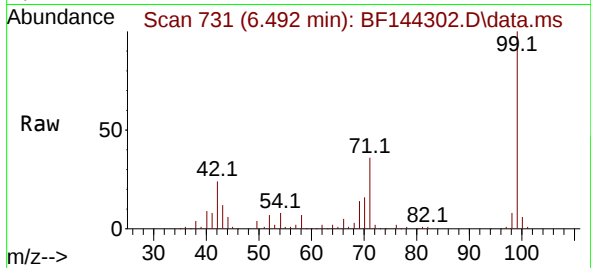




#7
Phenol-d6
Concen: 82.848 ng
RT: 6.492 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF144302.D
Acq: 20 Nov 2025 18:56

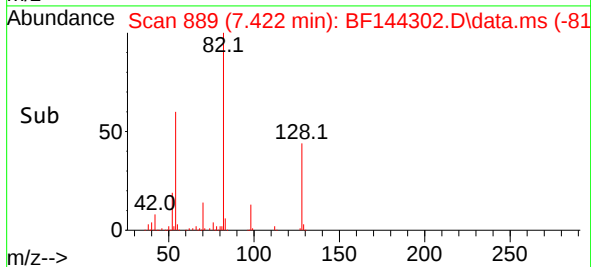
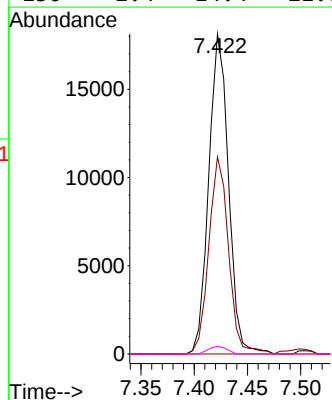
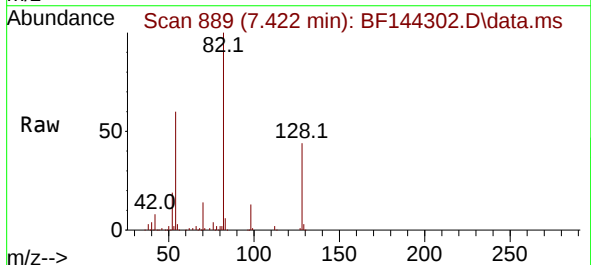
Instrument :
BNA_F
ClientSampleId :
B3-0.0-1.0-20251117

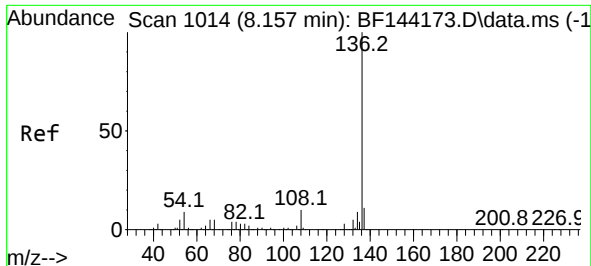
Tgt Ion: 99 Resp: 279004
Ion Ratio Lower Upper
99 100
42 24.2 20.9 31.3
71 36.1 31.4 47.2



#19
n-Nitroso-di-n-propylamine
Concen: 10.536 ng
RT: 7.422 min Scan# 889
Delta R.T. 0.147 min
Lab File: BF144302.D
Acq: 20 Nov 2025 18:56

Tgt Ion: 70 Resp: 23358
Ion Ratio Lower Upper
70 100
42 61.6 58.3 87.5
101 0.0 7.0 10.6#
130 2.4 14.4 21.6#

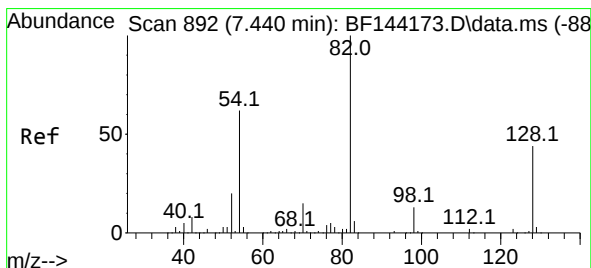
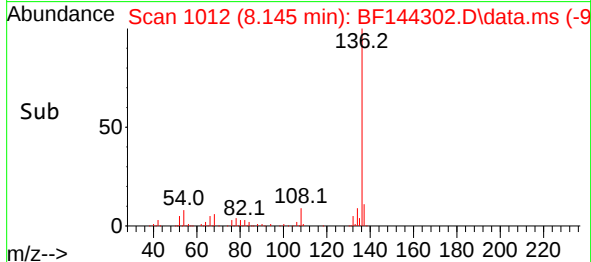
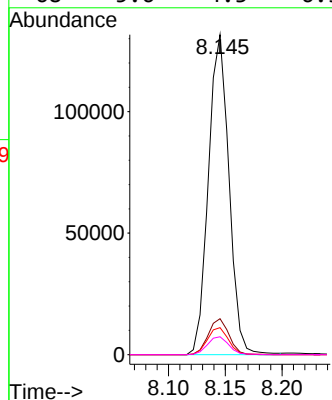
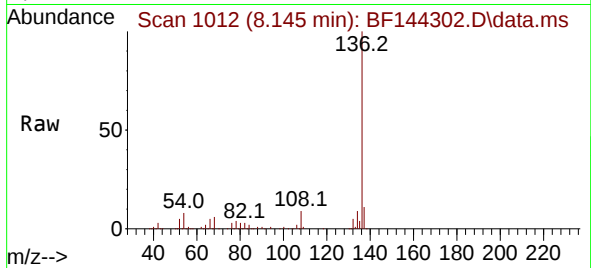




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF144302.D
Acq: 20 Nov 2025 18:56

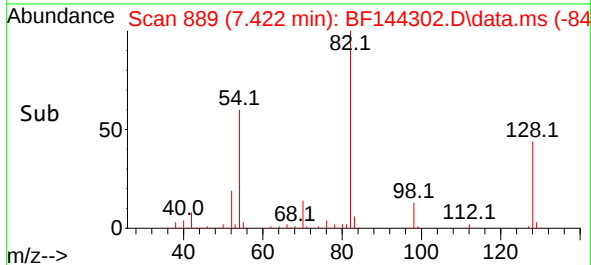
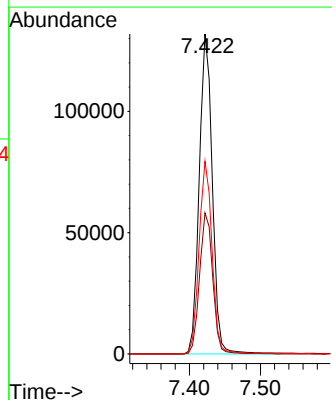
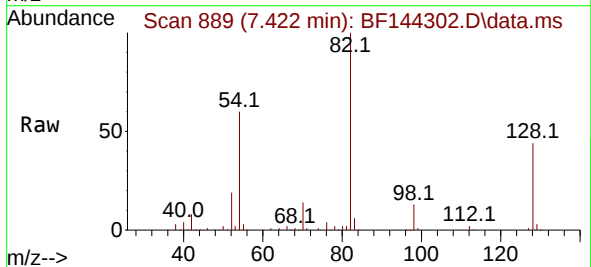
Instrument :
BNA_F
ClientSampleId :
B3-0.0-1.0-20251117

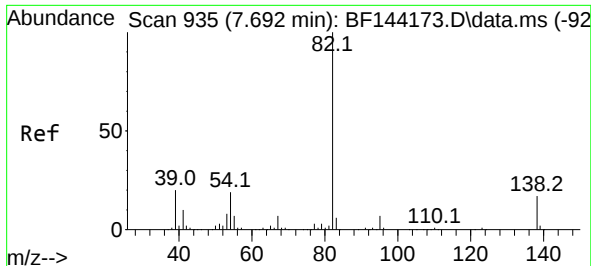
Tgt Ion:136	Resp: 165994
Ion Ratio	Lower Upper
136 100	
137 11.3	8.6 13.0
54 8.5	7.0 10.6
68 5.6	4.3 6.5



#23
Nitrobenzene-d5
Concen: 59.081 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF144302.D
Acq: 20 Nov 2025 18:56

Tgt Ion: 82	Resp: 169804
Ion Ratio	Lower Upper
82 100	
128 44.1	34.7 52.1
54 60.2	49.5 74.3

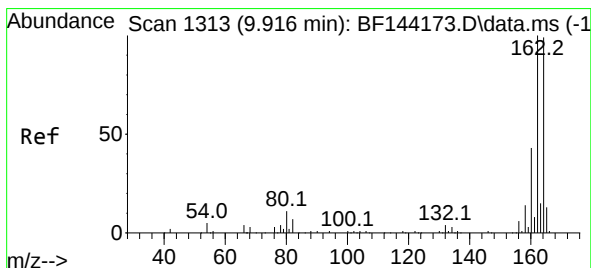
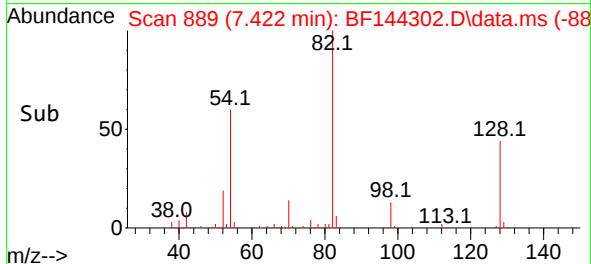
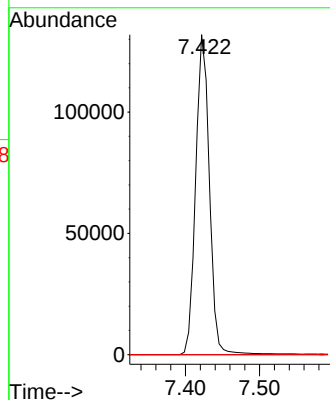
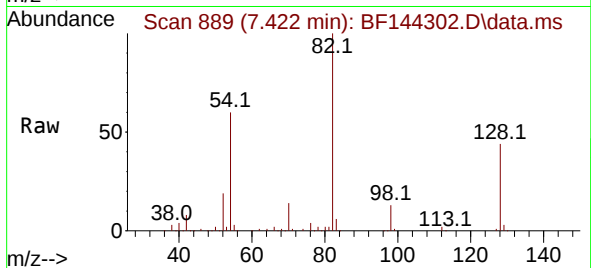




#25
Isophorone
Concen: 31.234 ng
RT: 7.422 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF144302.D
Acq: 20 Nov 2025 18:56

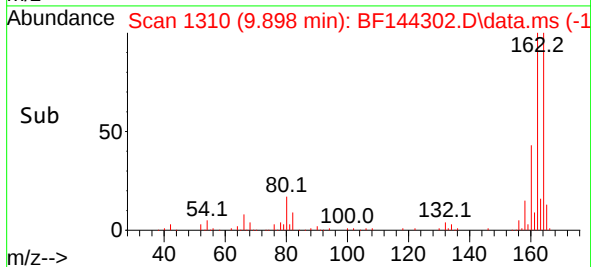
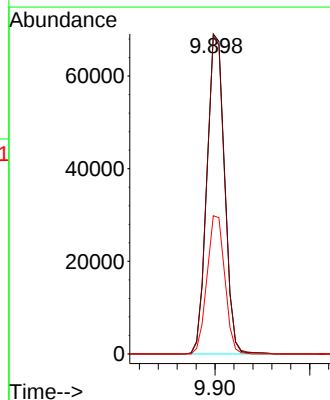
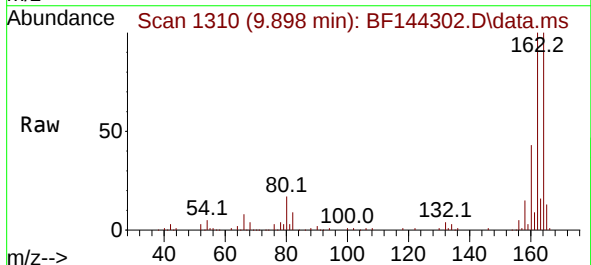
Instrument :
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ClientSampleId :
B3-0.0-1.0-20251117

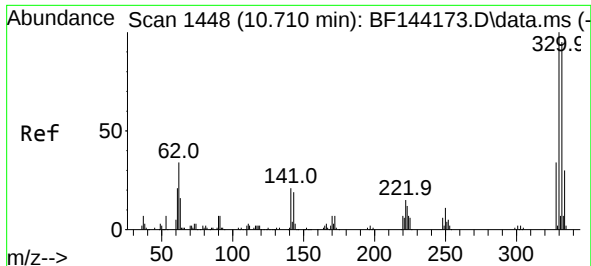
Tgt Ion: 82 Resp: 169803
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.018 min
Lab File: BF144302.D
Acq: 20 Nov 2025 18:56

Tgt Ion: 164 Resp: 89354
Ion Ratio Lower Upper
164 100
162 99.7 81.1 121.7
160 43.2 34.5 51.7

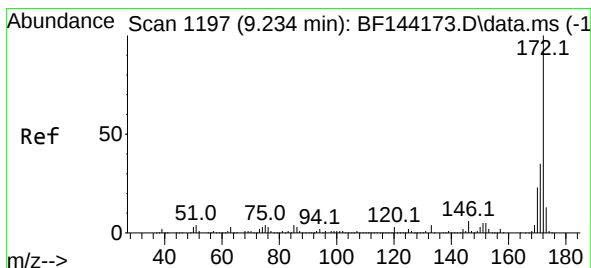
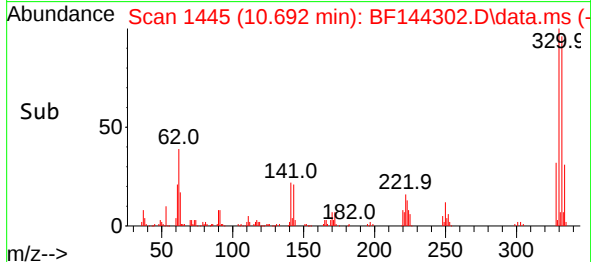
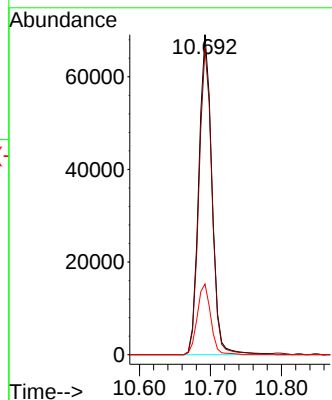
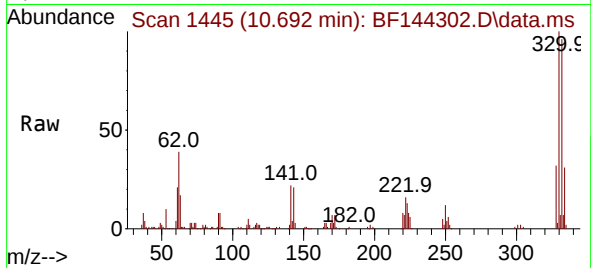




#42
2,4,6-Tribromophenol
Concen: 79.774 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144302.D
Acq: 20 Nov 2025 18:56

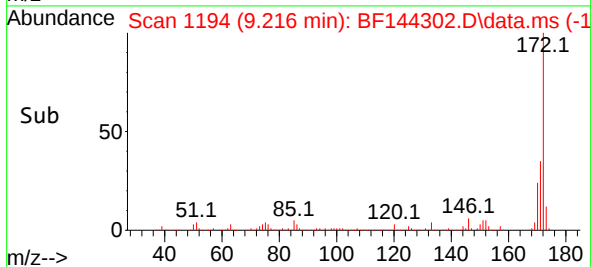
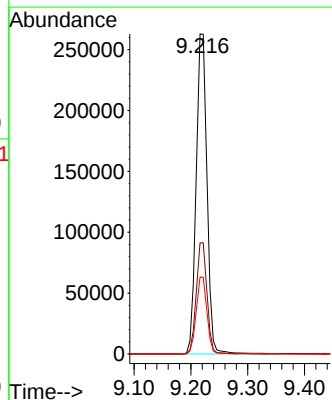
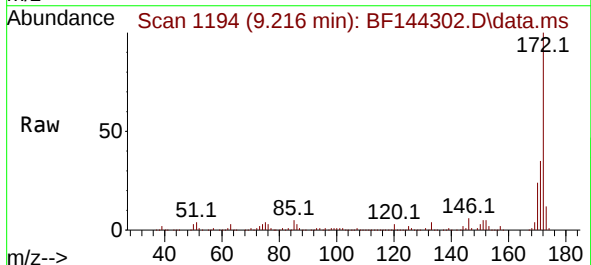
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ClientSampleId :
B3-0.0-1.0-20251117

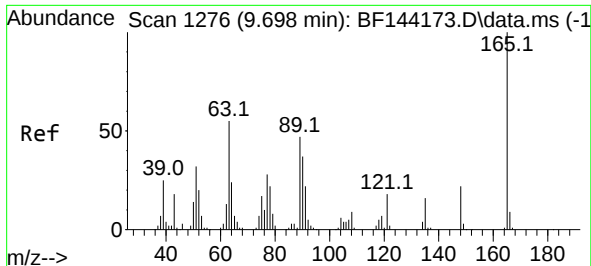
Tgt Ion: 330 Resp: 89450
Ion Ratio Lower Upper
330 100
332 94.7 76.7 115.1
141 22.4 17.8 26.8



#45
2-Fluorobiphenyl
Concen: 58.119 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144302.D
Acq: 20 Nov 2025 18:56

Tgt Ion: 172 Resp: 351619
Ion Ratio Lower Upper
172 100
171 34.7 28.1 42.1
170 24.0 18.6 28.0





#51

2,6-Dinitrotoluene

Concen: 9.202 ng

RT: 9.898 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF144302.D

Acq: 20 Nov 2025 18:56

Instrument :

BNA_F

ClientSampleId :

B3-0.0-1.0-20251117

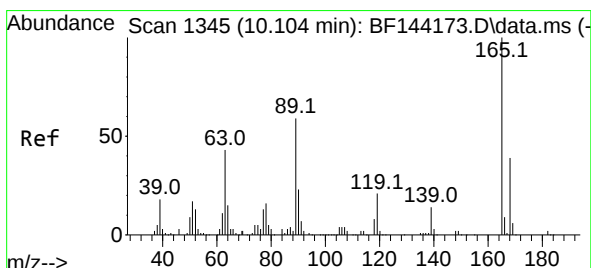
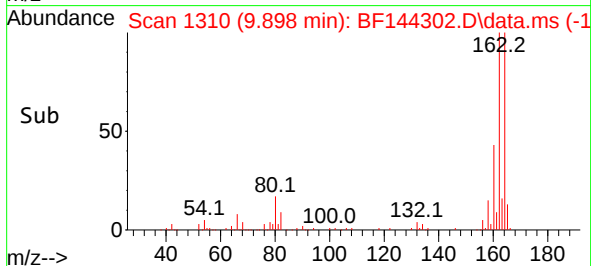
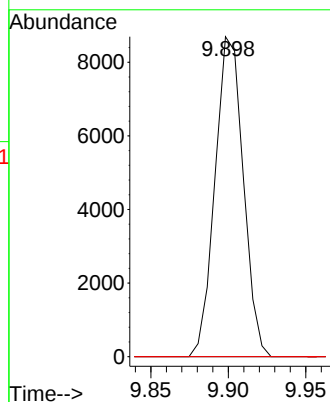
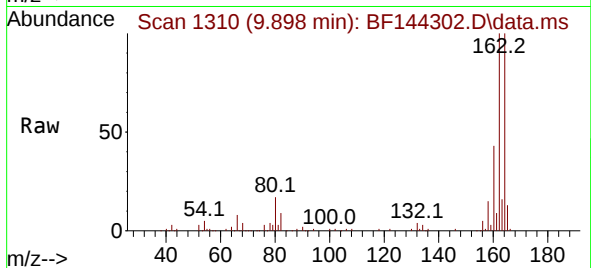
Tgt Ion:165 Resp: 11027

Ion Ratio Lower Upper

165 100

63 0.0 43.8 65.8#

89 0.0 37.5 56.3#



#57

2,4-Dinitrotoluene

Concen: 6.874 ng

RT: 9.898 min Scan# 1310

Delta R.T. -0.200 min

Lab File: BF144302.D

Acq: 20 Nov 2025 18:56

Tgt Ion:165 Resp: 11027

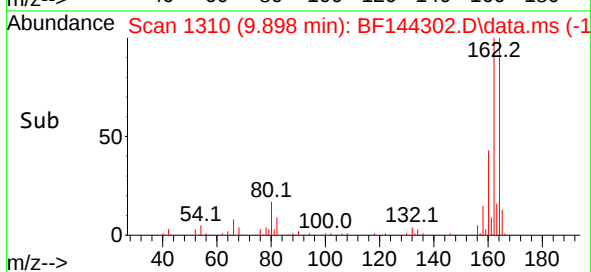
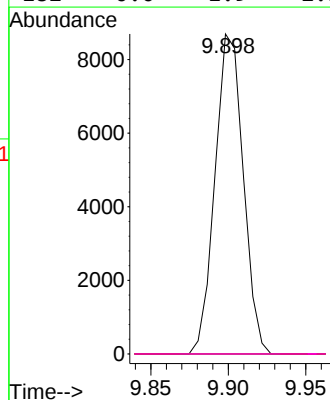
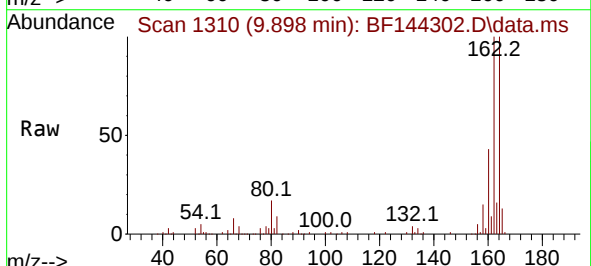
Ion Ratio Lower Upper

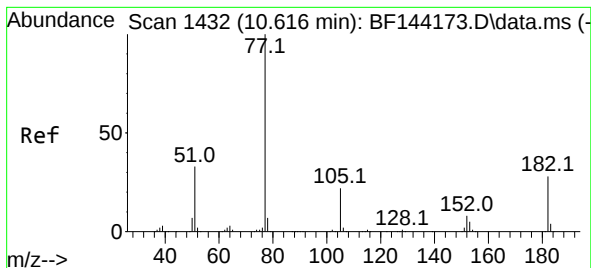
165 100

63 0.0 35.5 53.3#

89 0.0 47.4 71.2#

182 0.0 1.9 2.9#





#63

Azobenzene

Concen: 4.694 ng

RT: 10.616 min Scan# 14

Delta R.T. -0.000 min

Lab File: BF144302.D

Acq: 20 Nov 2025 18:56

Instrument :

BNA_F

ClientSampleId :

B3-0.0-1.0-20251117

Tgt Ion: 77 Resp: 23839

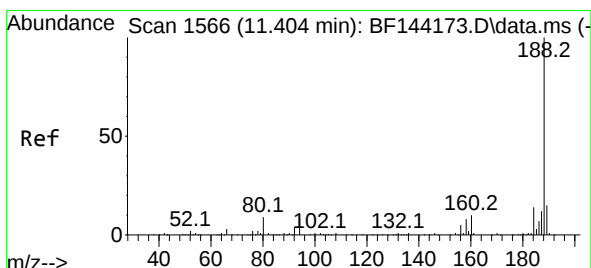
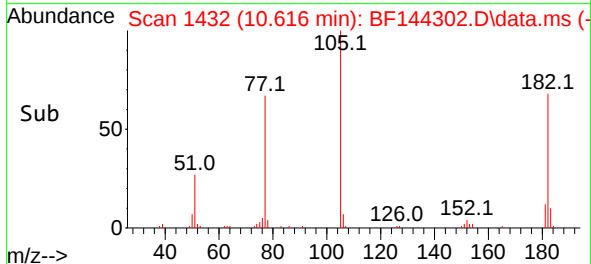
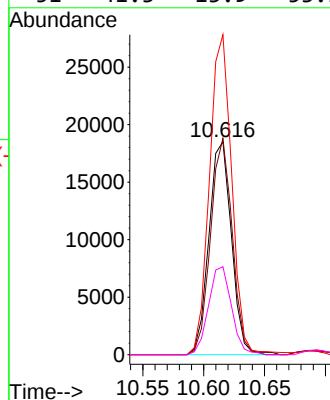
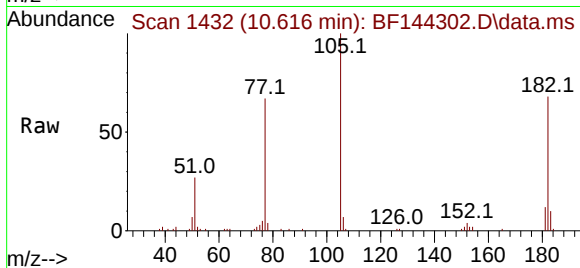
Ion Ratio Lower Upper

77 100

182 101.6 8.1 48.1#

105 150.3 2.0 42.0#

51 41.3 13.9 53.9



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1564

Delta R.T. -0.012 min

Lab File: BF144302.D

Acq: 20 Nov 2025 18:56

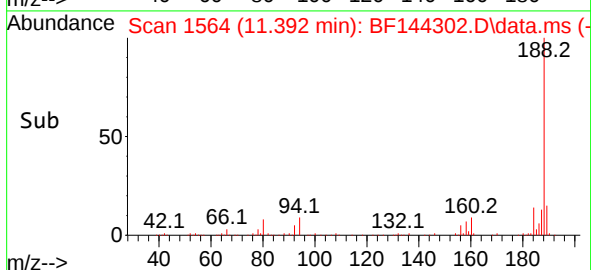
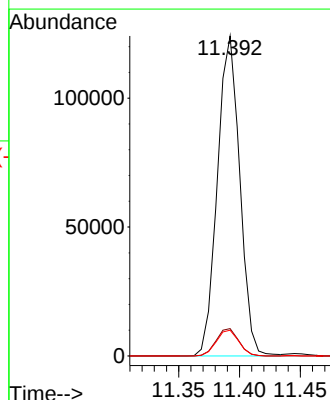
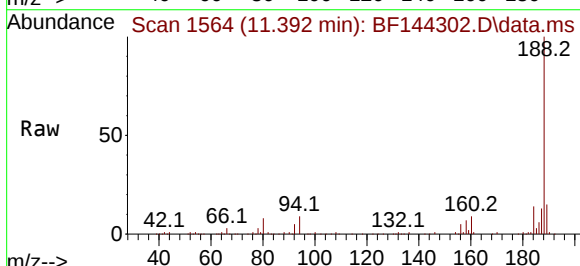
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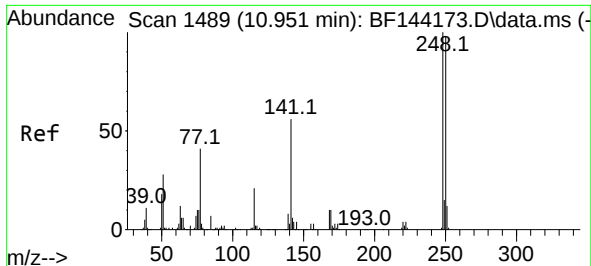
Ion Ratio Lower Upper

188 100

94 8.5 6.2 9.2

80 8.1 6.9 10.3

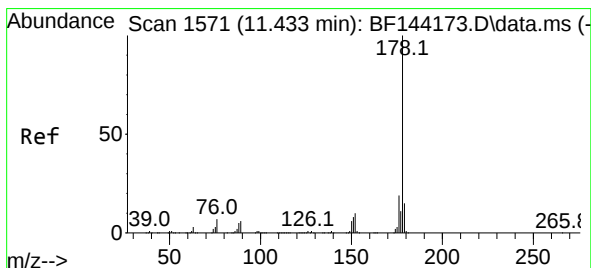
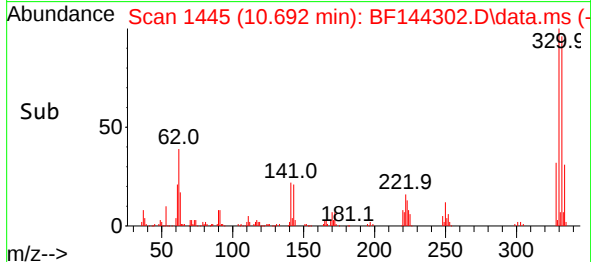
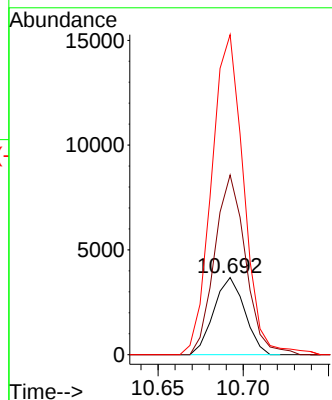
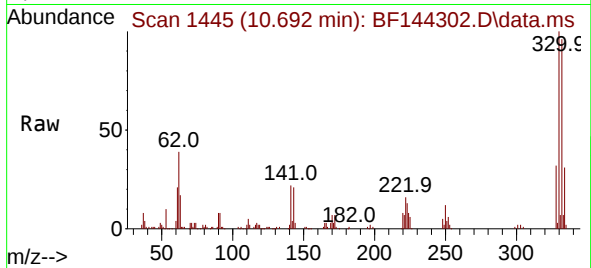




#67
4-Bromophenyl-phenylether
Concen: 2.295 ng
RT: 10.692 min Scan# 1489
Delta R.T. -0.253 min
Lab File: BF144302.D
Acq: 20 Nov 2025 18:56

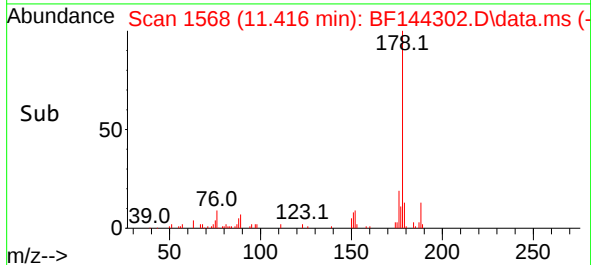
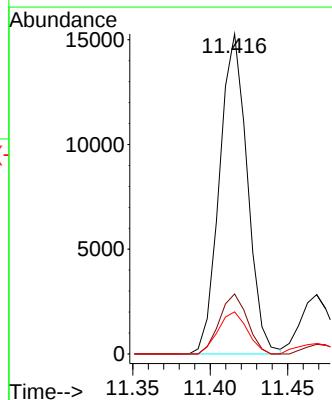
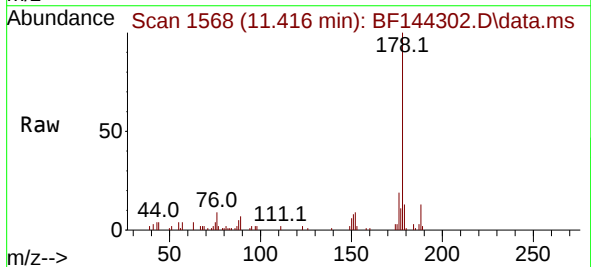
Instrument :
BNA_F
ClientSampleId :
B3-0.0-1.0-20251117

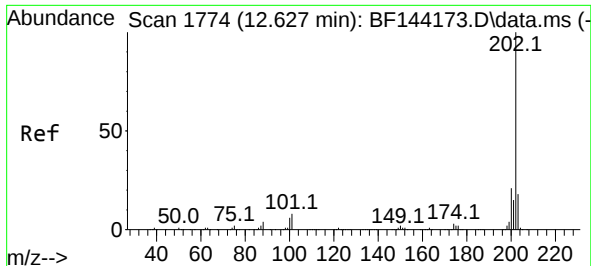
Tgt Ion:248 Resp: 4656
Ion Ratio Lower Upper
248 100
250 233.3 78.4 117.6#
141 415.3 45.1 67.7#



#71
Phenanthrene
Concen: 2.410 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF144302.D
Acq: 20 Nov 2025 18:56

Tgt Ion:178 Resp: 19069
Ion Ratio Lower Upper
178 100
176 18.8 15.5 23.3
179 13.2 12.2 18.4

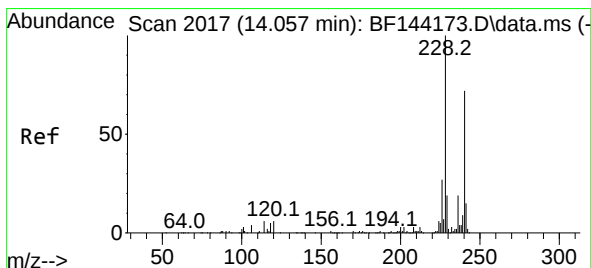
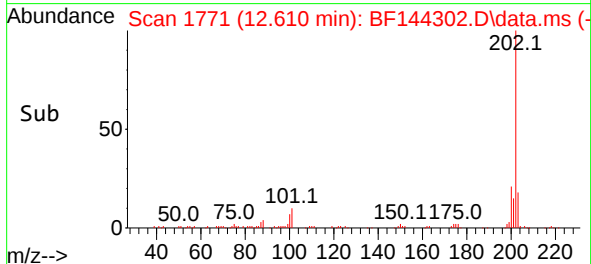
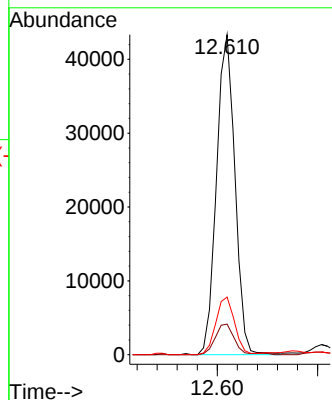
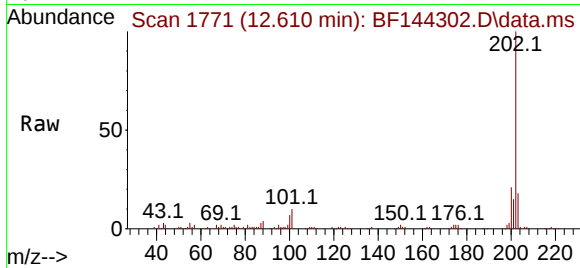




#75
Fluoranthene
Concen: 6.767 ng
RT: 12.610 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144302.D
Acq: 20 Nov 2025 18:56

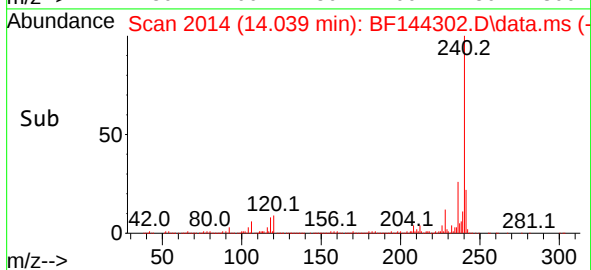
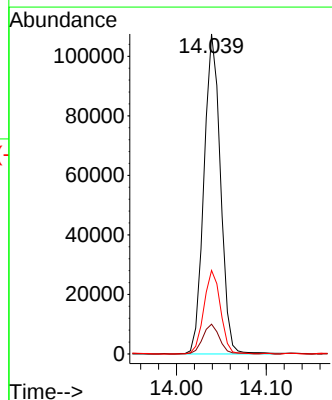
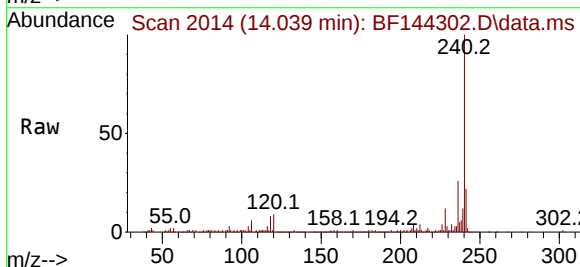
Instrument :
BNA_F
ClientSampleId :
B3-0.0-1.0-20251117

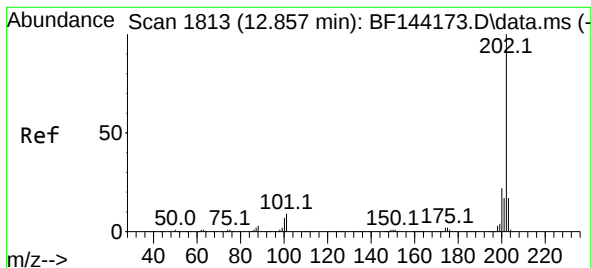
Tgt Ion:202 Resp: 55313
Ion Ratio Lower Upper
202 100
101 9.5 0.0 27.9
203 18.0 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF144302.D
Acq: 20 Nov 2025 18:56

Tgt Ion:240 Resp: 137554
Ion Ratio Lower Upper
240 100
120 9.3 6.6 10.0
236 26.1 21.4 32.2





#78

Pyrene

Concen: 4.809 ng

RT: 12.839 min Scan# 1810

Delta R.T. -0.012 min

Lab File: BF144302.D

Acq: 20 Nov 2025 18:56

Instrument :

BNA_F

ClientSampleId :

B3-0.0-1.0-20251117

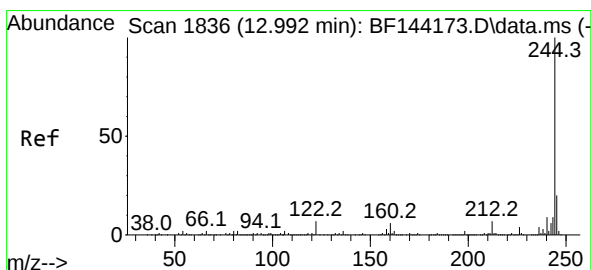
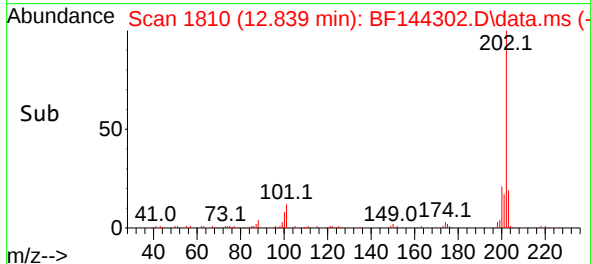
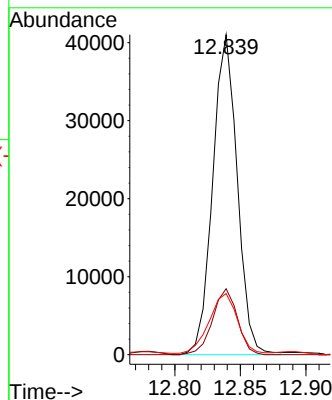
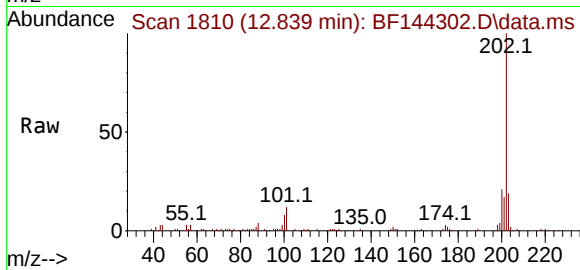
Tgt Ion:202 Resp: 53335

Ion Ratio Lower Upper

202 100

200 20.6 17.2 25.8

203 19.1 13.7 20.5



#79

Terphenyl-d14

Concen: 47.485 ng

RT: 12.980 min Scan# 1834

Delta R.T. -0.012 min

Lab File: BF144302.D

Acq: 20 Nov 2025 18:56

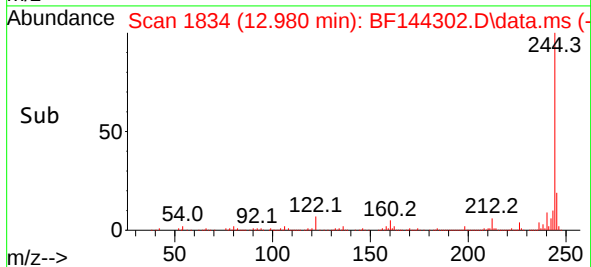
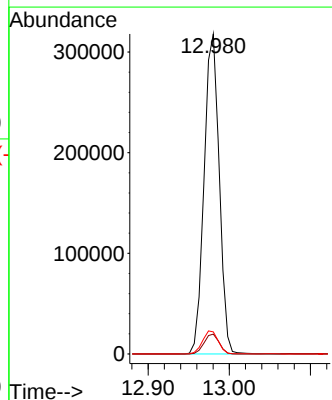
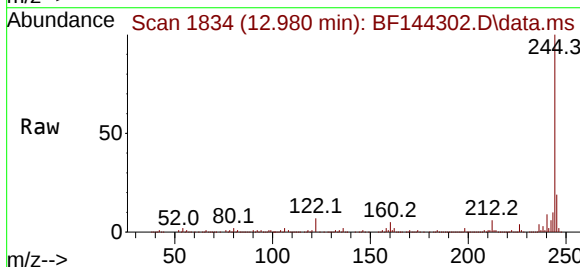
Tgt Ion:244 Resp: 411215

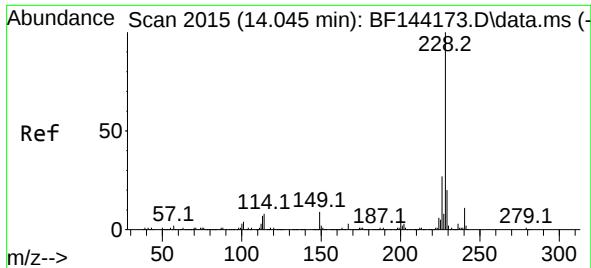
Ion Ratio Lower Upper

244 100

212 6.2 5.3 7.9

122 6.9 5.6 8.4

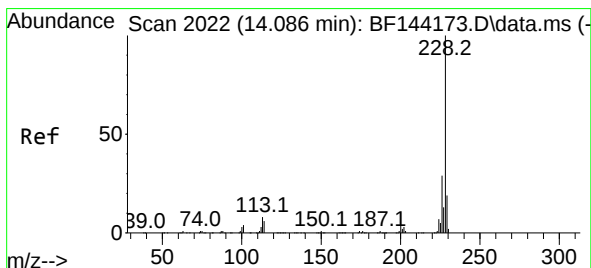
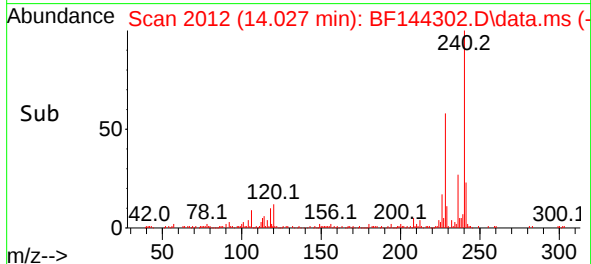
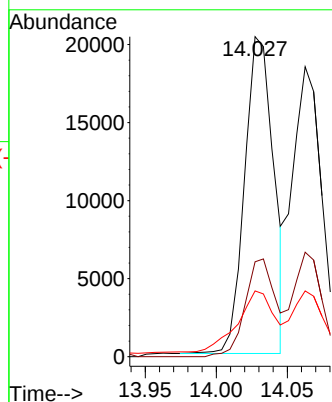
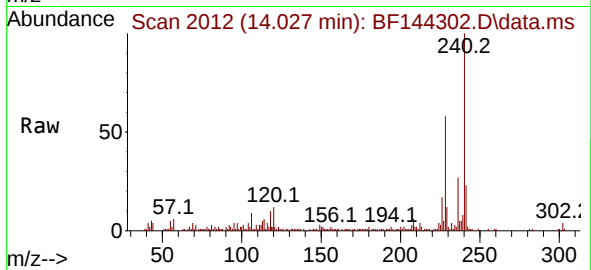




#81
Benzo(a)anthracene
Concen: 3.032 ng
RT: 14.027 min Scan# 2012
Delta R.T. -0.018 min
Lab File: BF144302.D
Acq: 20 Nov 2025 18:56

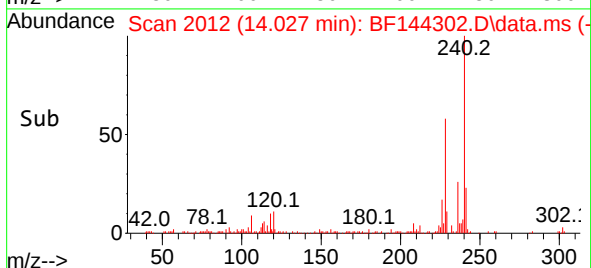
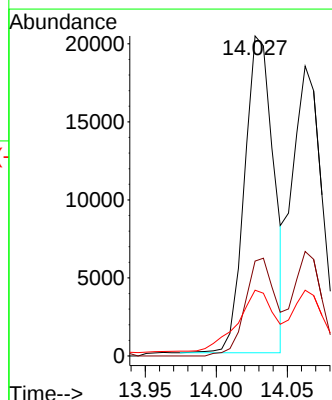
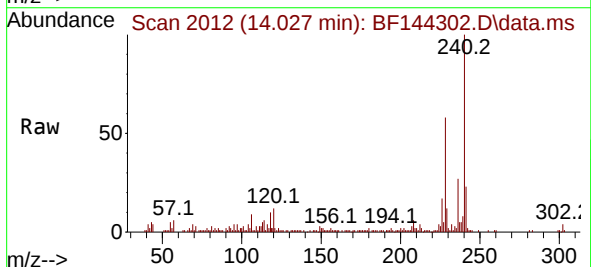
Instrument :
BNA_F
ClientSampleId :
B3-0.0-1.0-20251117

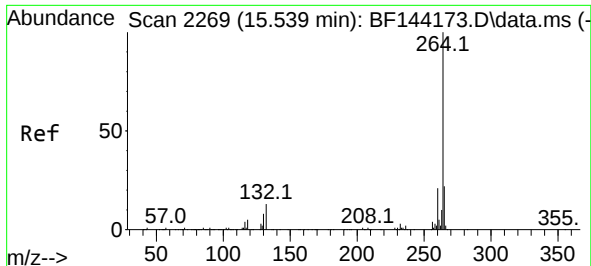
Tgt Ion:228 Resp: 28902
Ion Ratio Lower Upper
228 100
226 29.7 21.8 32.8
229 20.5 15.8 23.6



#83
Chrysene
Concen: 3.284 ng
RT: 14.027 min Scan# 2012
Delta R.T. -0.053 min
Lab File: BF144302.D
Acq: 20 Nov 2025 18:56

Tgt Ion:228 Resp: 28902
Ion Ratio Lower Upper
228 100
226 29.7 22.9 34.3
229 20.5 15.0 22.6

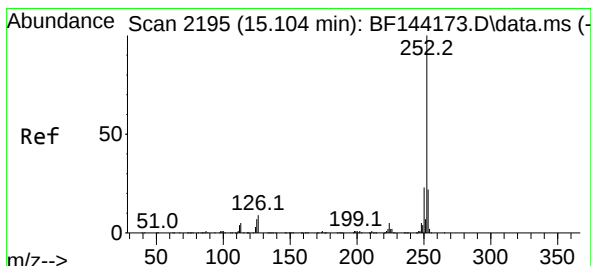
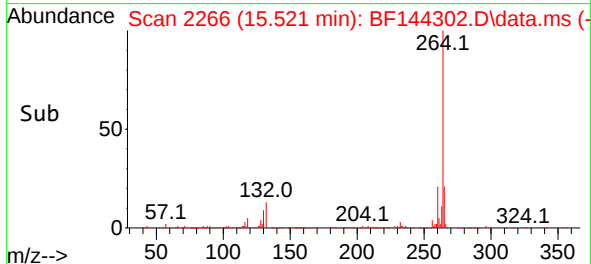
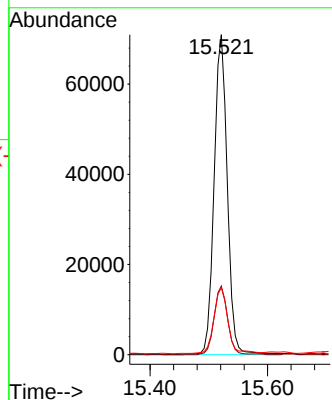
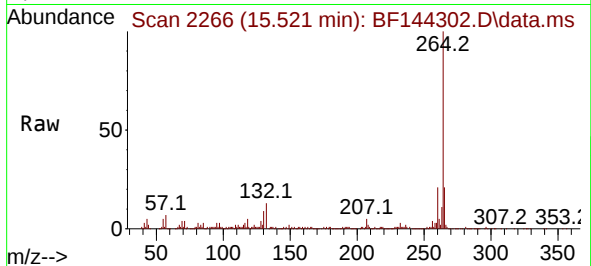




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2192
Delta R.T. -0.018 min
Lab File: BF144302.D
Acq: 20 Nov 2025 18:56

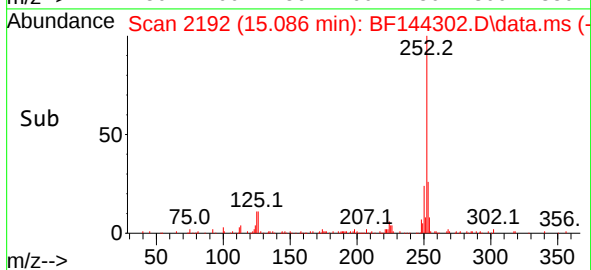
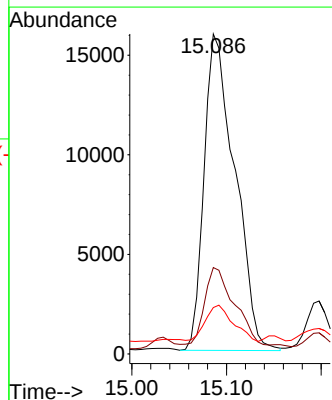
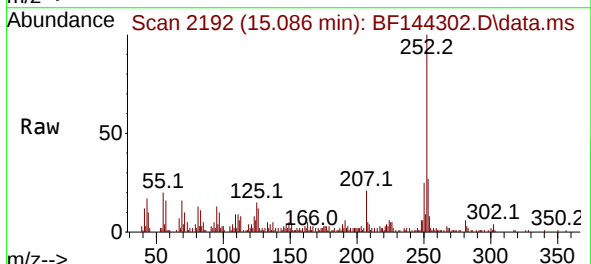
Instrument :
BNA_F
ClientSampleId :
B3-0.0-1.0-20251117

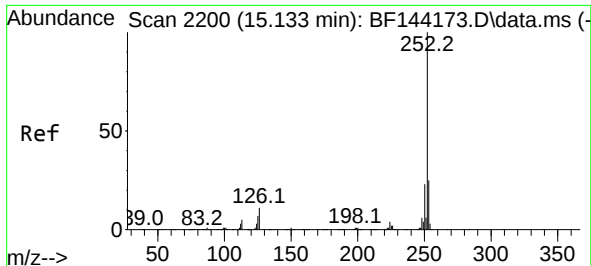
Tgt Ion:264 Resp: 110506
Ion Ratio Lower Upper
264 100
260 21.4 17.1 25.7
265 20.9 17.4 26.0



#88
Benzo(b)fluoranthene
Concen: 5.715 ng
RT: 15.086 min Scan# 2192
Delta R.T. -0.012 min
Lab File: BF144302.D
Acq: 20 Nov 2025 18:56

Tgt Ion:252 Resp: 35902
Ion Ratio Lower Upper
252 100
253 27.0 17.4 26.2#
125 14.5 5.3 7.9#





#89

Benzo(k)fluoranthene

Concen: 6.105 ng

RT: 15.086 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF144302.D

Acq: 20 Nov 2025 18:56

Instrument :

BNA_F

ClientSampleId :

B3-0.0-1.0-20251117

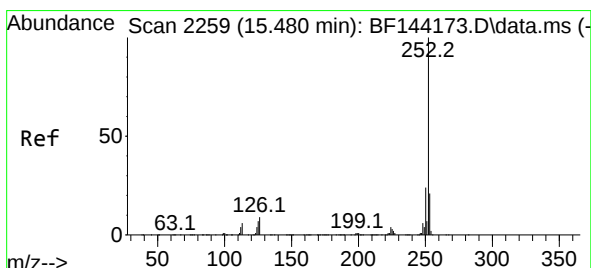
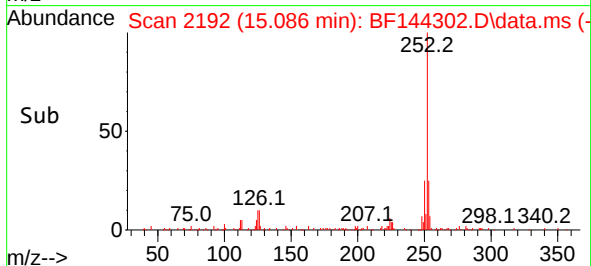
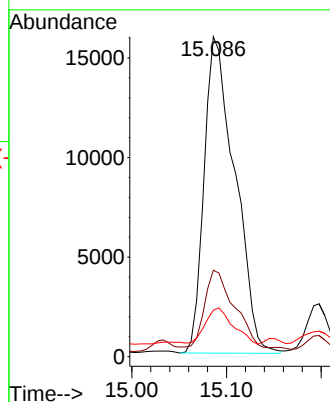
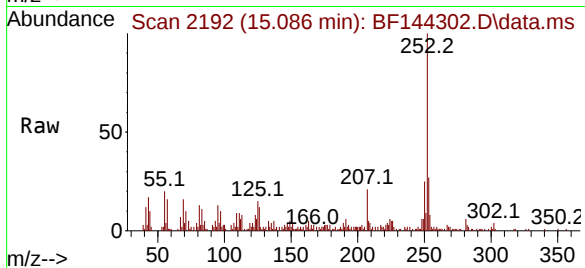
Tgt Ion:252 Resp: 35902

Ion Ratio Lower Upper

252 100

253 27.0 18.0 27.0#

125 14.5 5.4 8.2#



#90

Benzo(a)pyrene

Concen: 3.272 ng

RT: 15.457 min Scan# 2255

Delta R.T. -0.018 min

Lab File: BF144302.D

Acq: 20 Nov 2025 18:56

Tgt Ion:252 Resp: 18966

Ion Ratio Lower Upper

252 100

253 20.3 16.7 25.1

125 15.4 5.7 8.5#

