

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092525\
 Data File : BF143813.D
 Acq On : 25 Sep 2025 19:51
 Operator : RC/JU
 Sample : Q3176-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EME-TS12-01

Quant Time: Sep 25 23:24:51 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 24 05:00:00 2025
 Response via : Initial Calibration

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

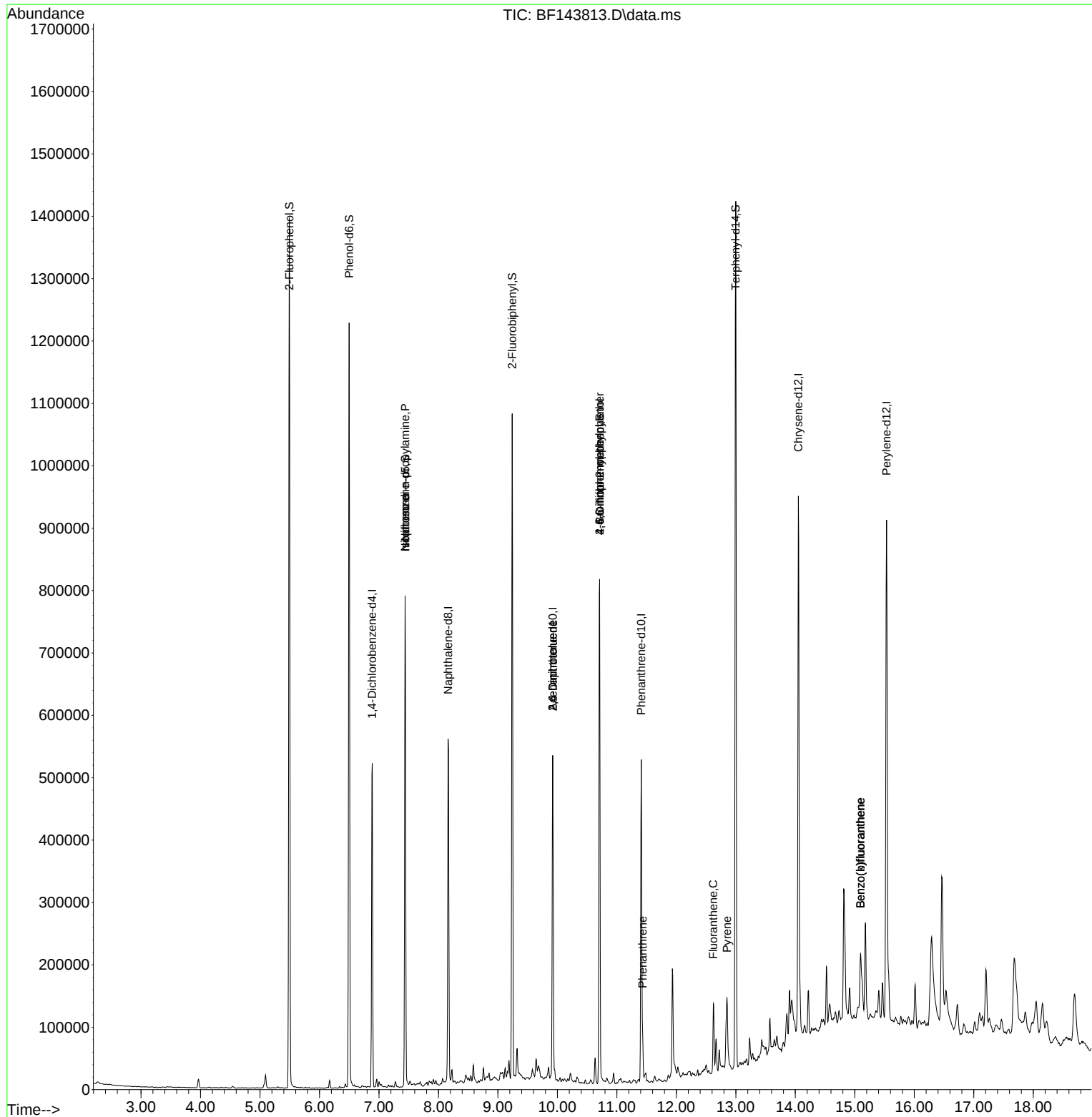
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	105437	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	336549	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	146974	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	254896	20.000	ng	0.00
76) Chrysene-d12	14.051	240	449534	20.000	ng	-0.01
86) Perylene-d12	15.533	264	549396	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	461399	71.098	ng	0.00
7) Phenol-d6	6.498	99	507991	67.747	ng	-0.01
23) Nitrobenzene-d5	7.440	82	294229	53.514	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	181837	83.558	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	454910	48.300	ng	0.00
79) Terphenyl-d14	12.998	244	764459	34.585	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	42401	8.794	ng	# 75
25) Isophorone	7.440	82	291071	27.167	ng	# 66
51) 2,6-Dinitrotoluene	9.922	165	19509	13.255	ng	# 17
57) 2,4-Dinitrotoluene	9.922	165	19509	11.307	ng	# 19
65) 4,6-Dinitro-2-methylph...	10.710	198	108	4.294	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	10268	2.364	ng	# 1
71) Phenanthrene	11.433	178	37472	2.863	ng	100
75) Fluoranthene	12.622	202	63166	4.799	ng	98
78) Pyrene	12.851	202	58765	2.659	ng	96
88) Benzo(b)fluoranthene	15.098	252	87838	3.140	ng	# 97
89) Benzo(k)fluoranthene	15.098	252	87838	3.125	ng	# 97

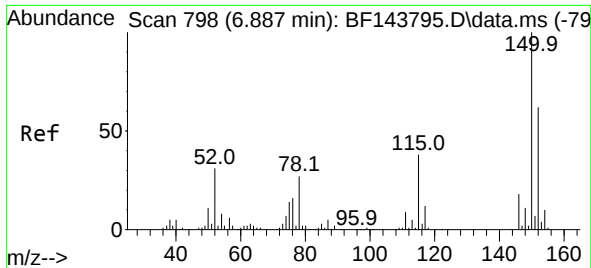
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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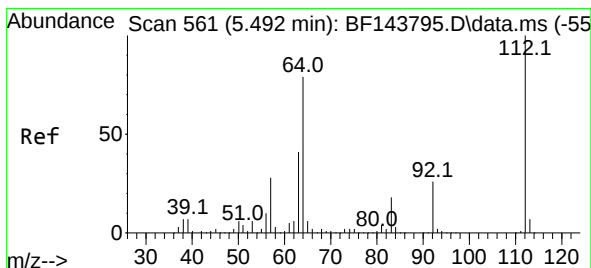
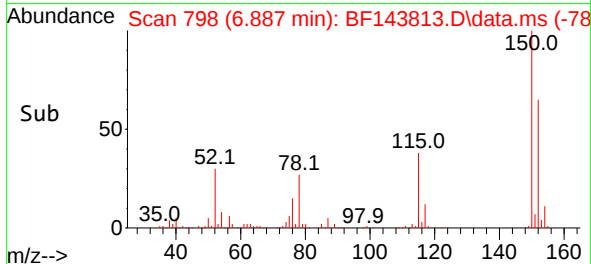
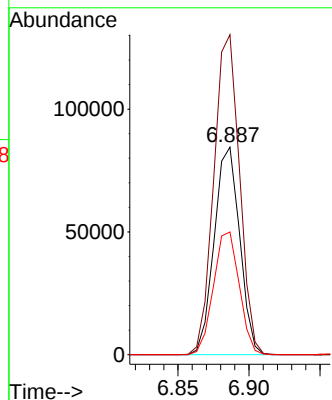
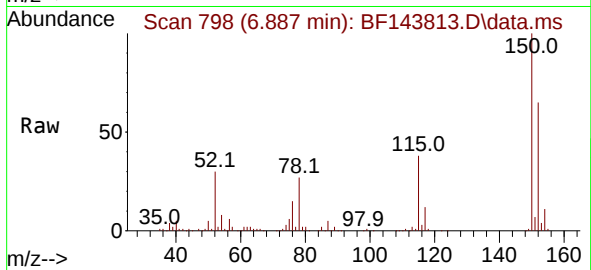




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.887 min Scan# 798
 Delta R.T. -0.000 min
 Lab File: BF143813.D
 Acq: 25 Sep 2025 19:51

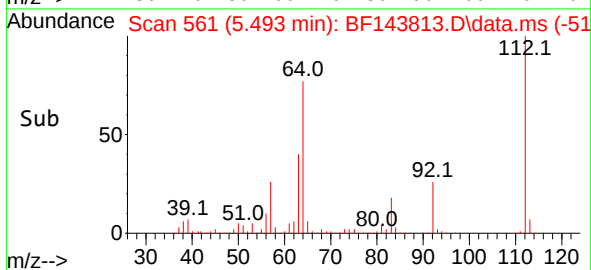
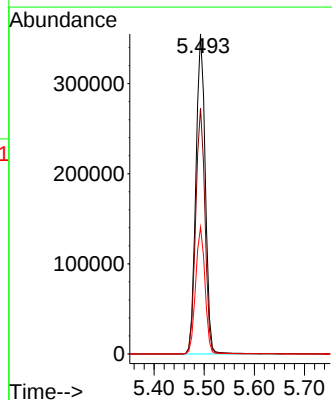
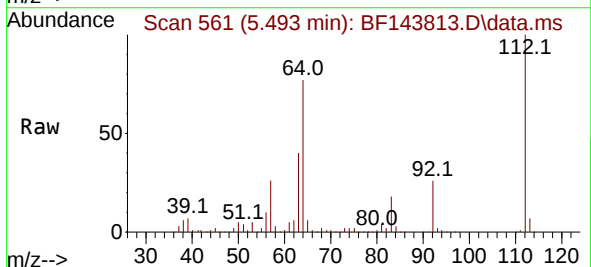
Instrument :
 BNA_F
 ClientSampleId :
 EME-TS12-01

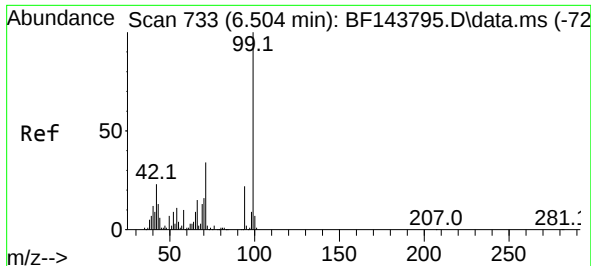
Tgt Ion:152 Resp: 105437
 Ion Ratio Lower Upper
 152 100
 150 154.2 129.6 194.4
 115 59.2 49.0 73.4



#5
 2-Fluorophenol
 Concen: 71.098 ng
 RT: 5.493 min Scan# 561
 Delta R.T. -0.005 min
 Lab File: BF143813.D
 Acq: 25 Sep 2025 19:51

Tgt Ion:112 Resp: 461399
 Ion Ratio Lower Upper
 112 100
 64 76.8 63.0 94.4
 63 39.7 32.6 49.0

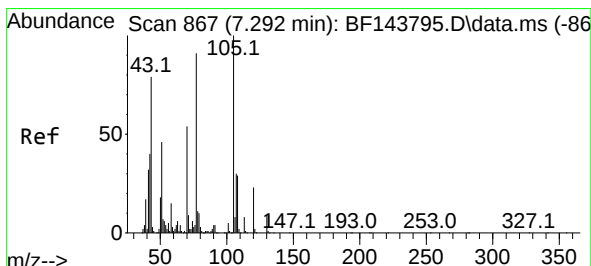
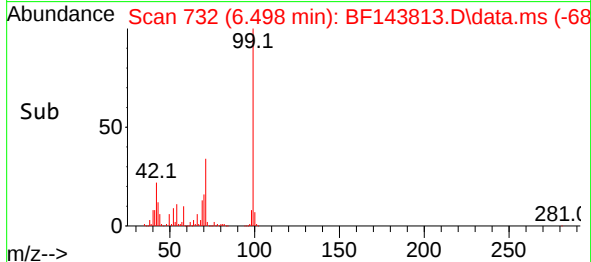
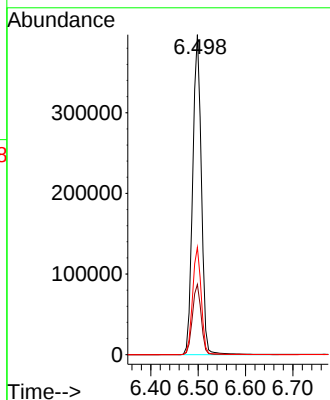
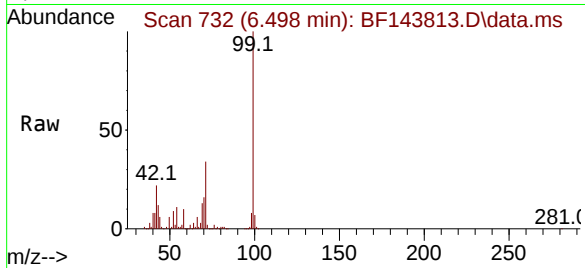




#7
Phenol-d6
Concen: 67.747 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF143813.D
Acq: 25 Sep 2025 19:51

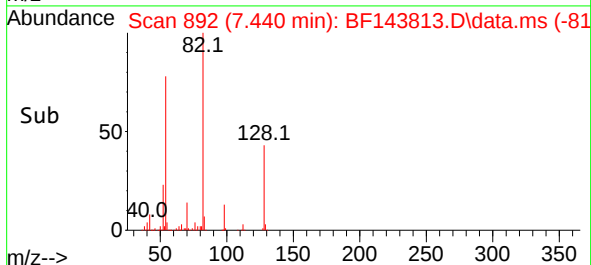
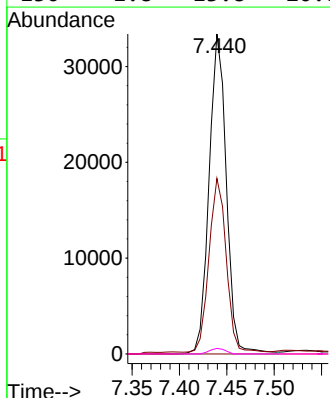
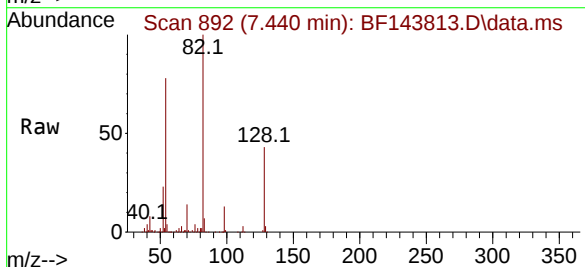
Instrument :
BNA_F
ClientSampleId :
EME-TS12-01

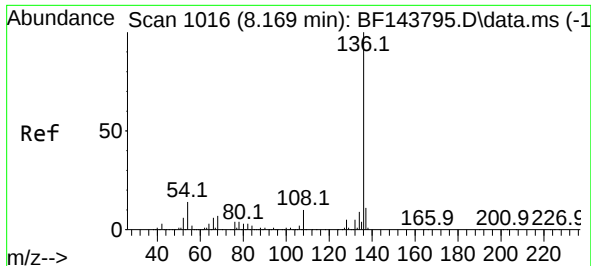
Tgt Ion: 99 Resp: 507991
Ion Ratio Lower Upper
99 100
42 21.9 18.6 28.0
71 33.5 27.0 40.4



#19
n-Nitroso-di-n-propylamine
Concen: 8.794 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.135 min
Lab File: BF143813.D
Acq: 25 Sep 2025 19:51

Tgt Ion: 70 Resp: 42401
Ion Ratio Lower Upper
70 100
42 54.9 59.4 89.0#
101 0.0 7.1 10.7#
130 1.8 13.8 20.8#



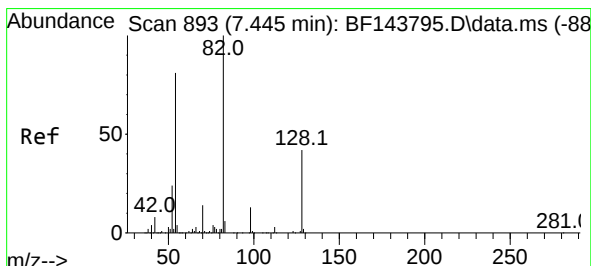
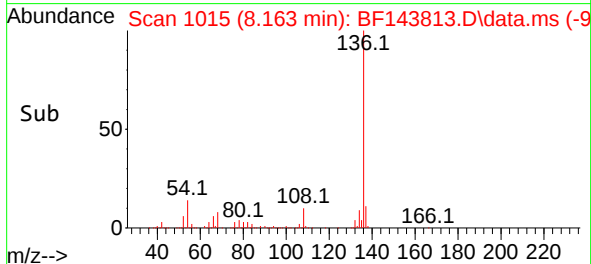
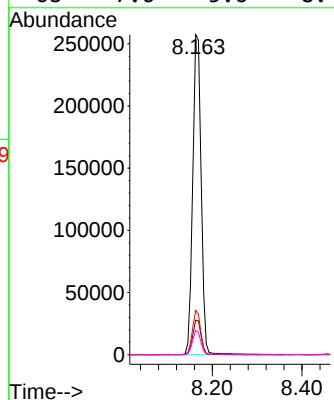
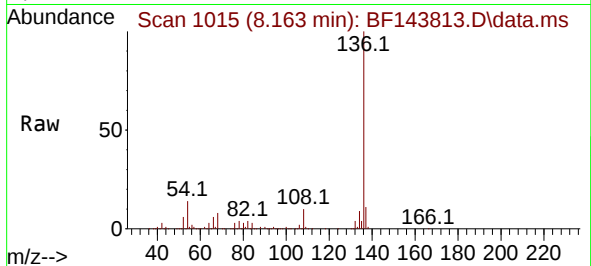


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF143813.D
Acq: 25 Sep 2025 19:51

Instrument :
BNA_F
ClientSampleId :
EME-TS12-01

Tgt Ion:136 Resp: 336549

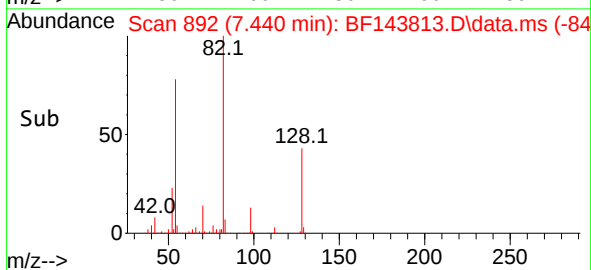
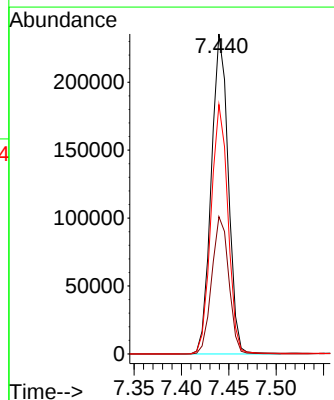
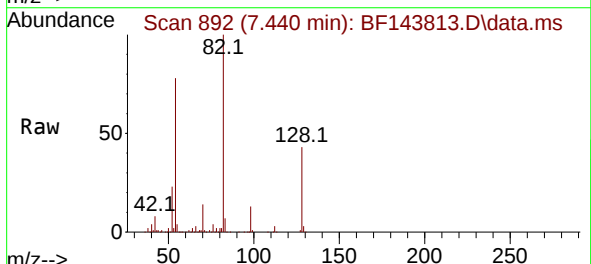
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.4
54	13.8	11.2	16.8
68	7.6	5.6	8.4

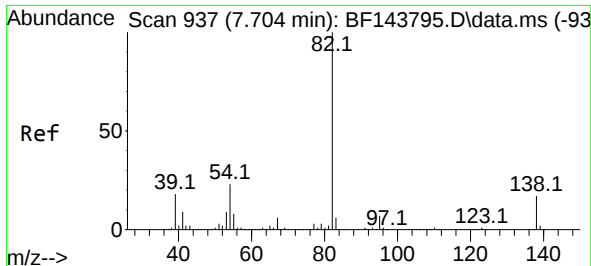


#23
Nitrobenzene-d5
Concen: 53.514 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.011 min
Lab File: BF143813.D
Acq: 25 Sep 2025 19:51

Tgt Ion: 82 Resp: 294229

Ion	Ratio	Lower	Upper
82	100		
128	42.9	33.3	49.9
54	77.9	64.2	96.4

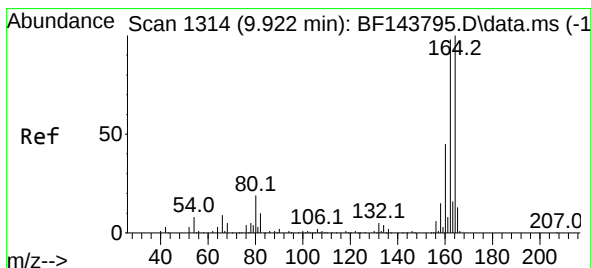
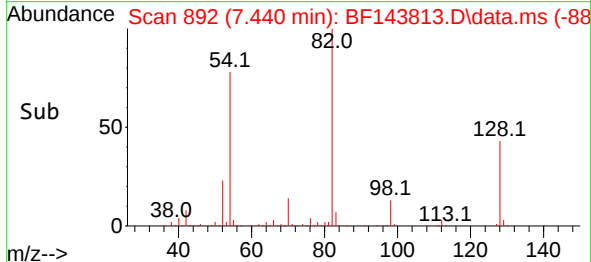
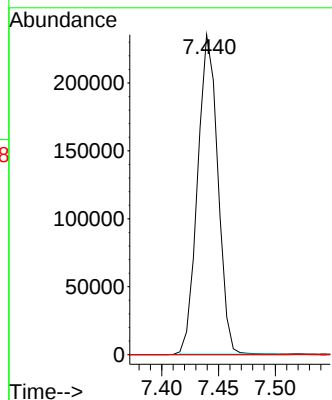
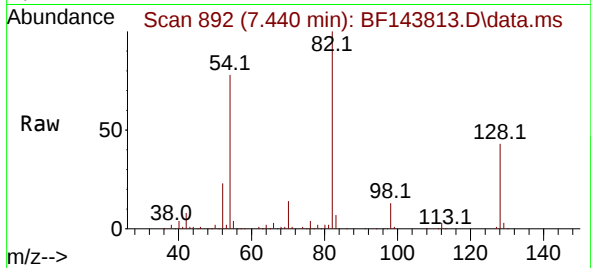




#25
Isophorone
Concen: 27.167 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.270 min
Lab File: BF143813.D
Acq: 25 Sep 2025 19:51

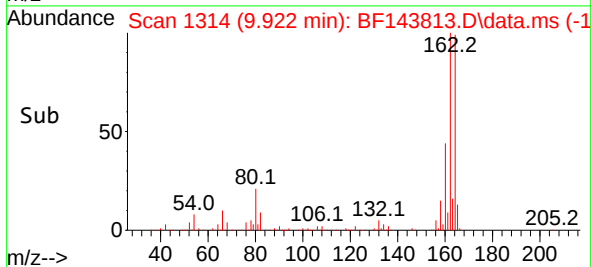
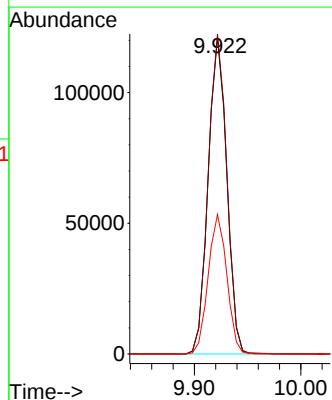
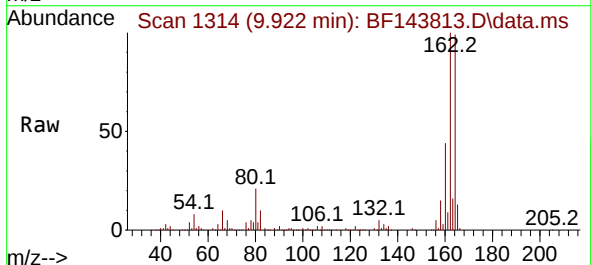
Instrument :
BNA_F
ClientSampleId :
EME-TS12-01

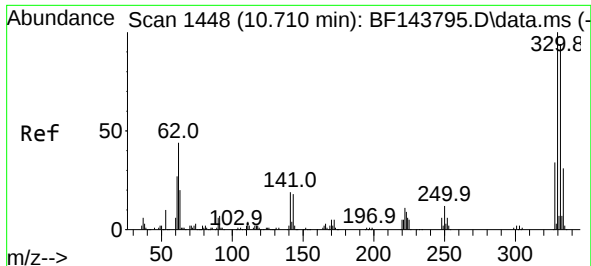
Tgt Ion: 82 Resp: 291071
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.006 min
Lab File: BF143813.D
Acq: 25 Sep 2025 19:51

Tgt Ion:164 Resp: 146974
Ion Ratio Lower Upper
164 100
162 101.0 78.8 118.2
160 44.0 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 83.558 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.006 min

Lab File: BF143813.D

Acq: 25 Sep 2025 19:51

Instrument :

BNA_F

ClientSampleId :

EME-TS12-01

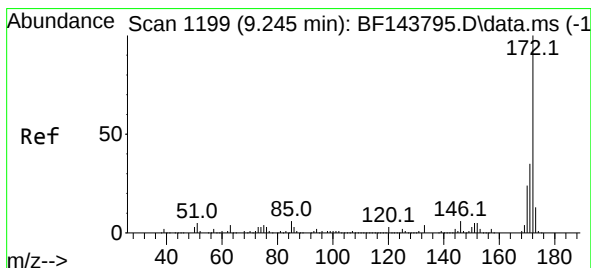
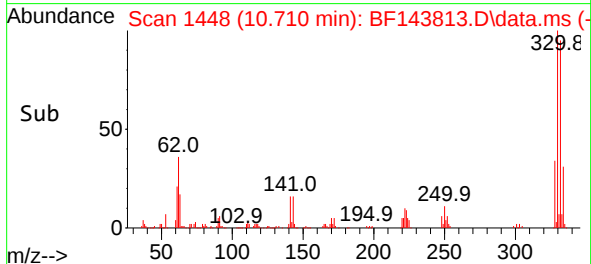
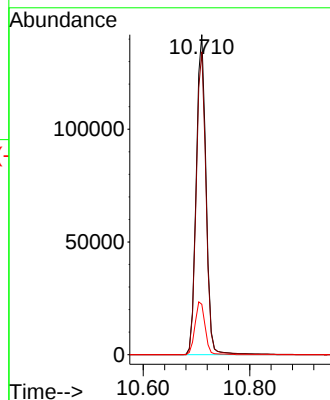
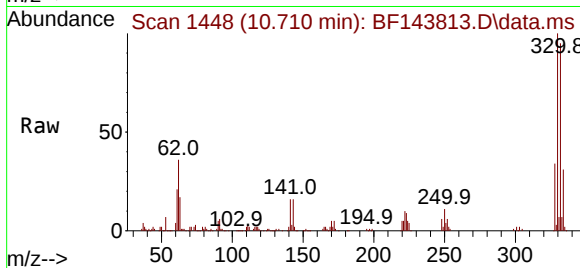
Tgt Ion:330 Resp: 181837

Ion Ratio Lower Upper

330 100

332 94.7 74.7 112.1

141 17.0 14.3 21.5



#45

2-Fluorobiphenyl

Concen: 48.300 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF143813.D

Acq: 25 Sep 2025 19:51

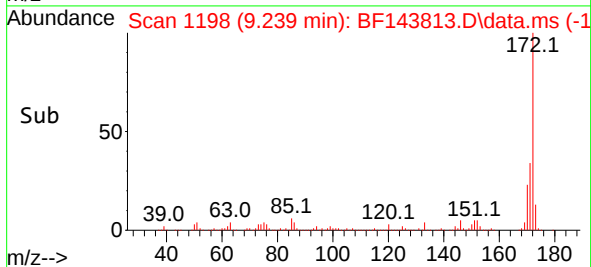
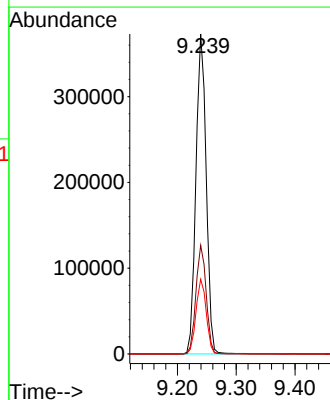
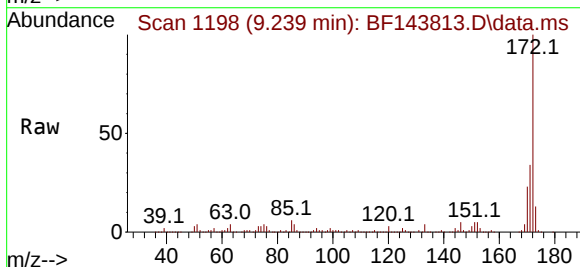
Tgt Ion:172 Resp: 454910

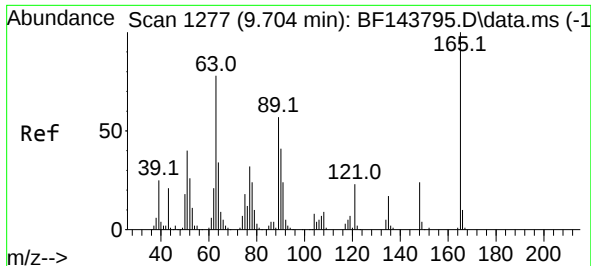
Ion Ratio Lower Upper

172 100

171 34.0 27.9 41.9

170 23.3 19.1 28.7

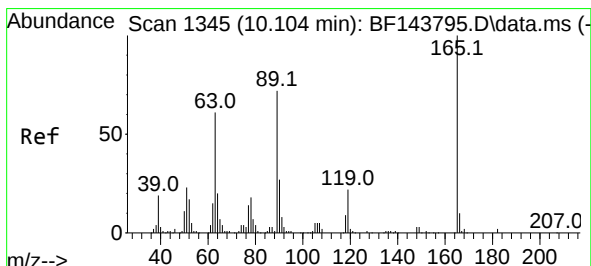
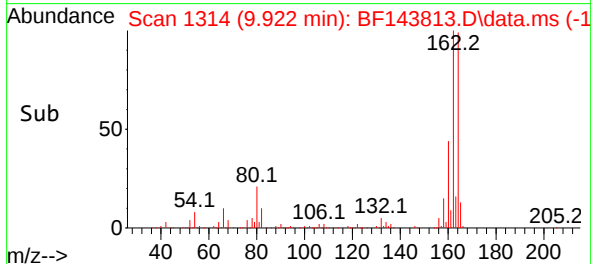
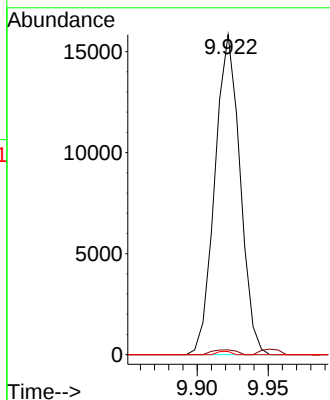
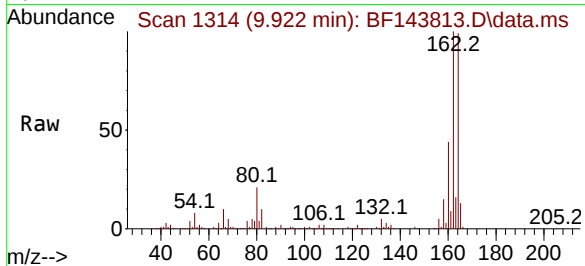




#51
2,6-Dinitrotoluene
Concen: 13.255 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF143813.D
Acq: 25 Sep 2025 19:51

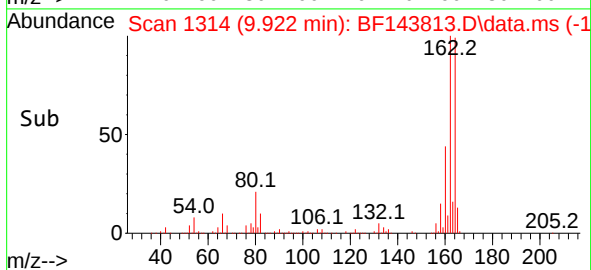
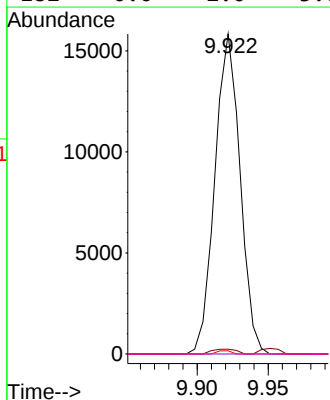
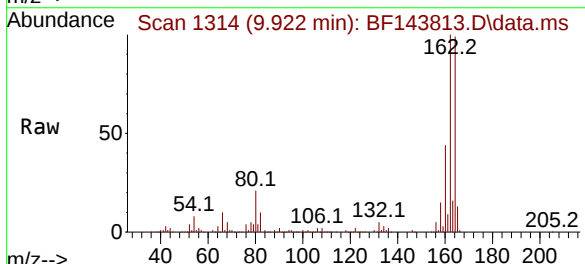
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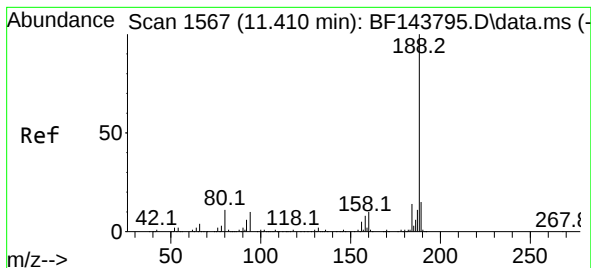
Tgt Ion:165 Resp: 19509
Ion Ratio Lower Upper
165 100
63 1.5 62.6 94.0#
89 1.0 45.2 67.8#



#57
2,4-Dinitrotoluene
Concen: 11.307 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.188 min
Lab File: BF143813.D
Acq: 25 Sep 2025 19:51

Tgt Ion:165 Resp: 19509
Ion Ratio Lower Upper
165 100
63 1.5 48.9 73.3#
89 1.0 57.5 86.3#
182 0.0 2.0 3.0#

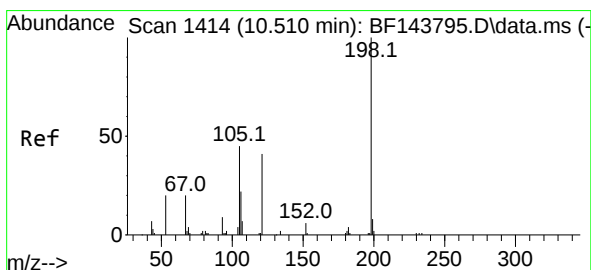
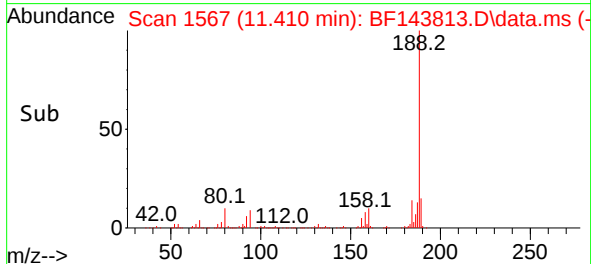
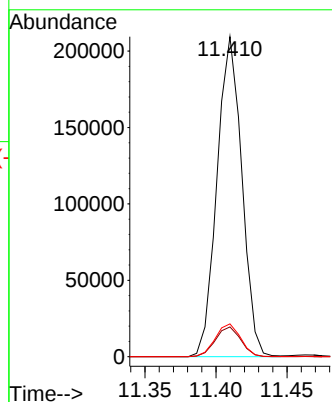
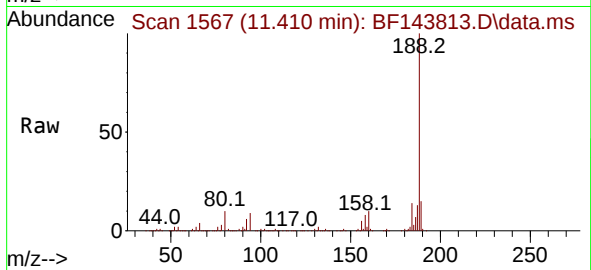




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143813.D
Acq: 25 Sep 2025 19:51

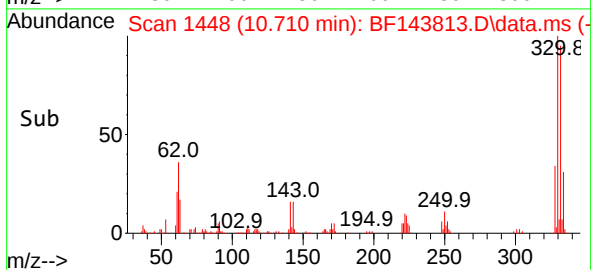
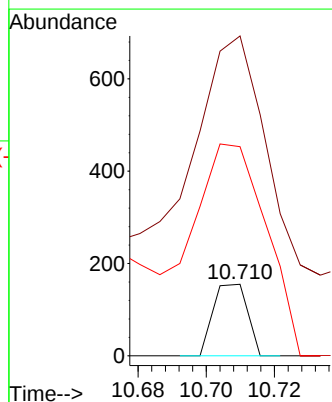
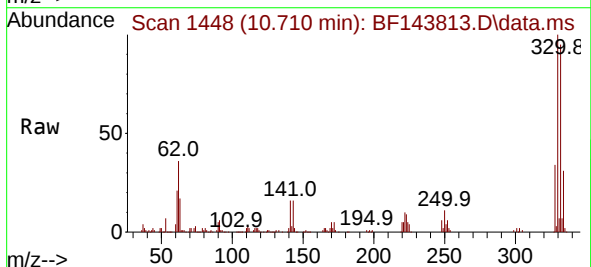
Instrument :
BNA_F
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EME-TS12-01

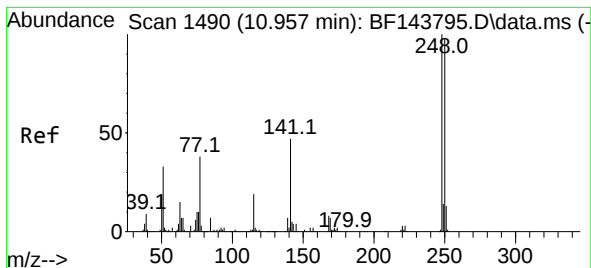
Tgt Ion:188 Resp: 254896
Ion Ratio Lower Upper
188 100
94 9.3 8.2 12.2
80 10.3 8.6 12.8



#65
4,6-Dinitro-2-methylphenol
Concen: 4.294 ng
RT: 10.710 min Scan# 1448
Delta R.T. 0.194 min
Lab File: BF143813.D
Acq: 25 Sep 2025 19:51

Tgt Ion:198 Resp: 108
Ion Ratio Lower Upper
198 100
51 447.1 52.0 92.0#
105 292.3 27.5 67.5#

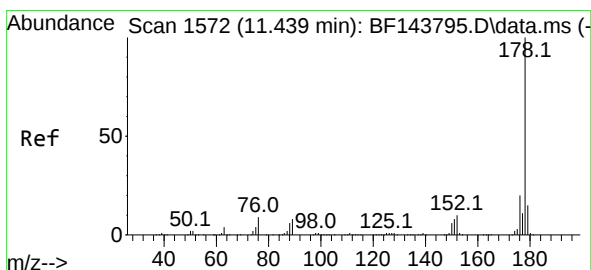
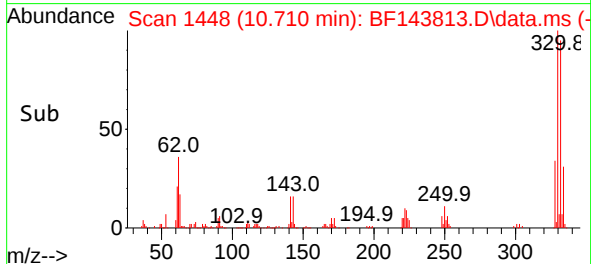
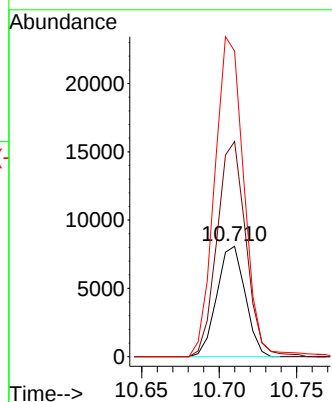
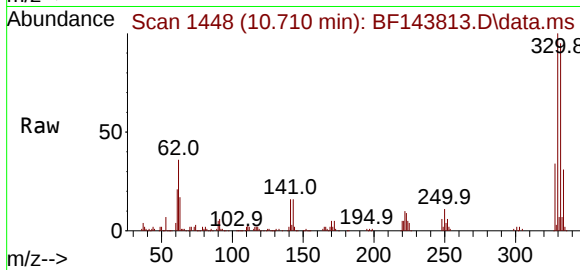




#67
4-Bromophenyl-phenylether
Concen: 2.364 ng
RT: 10.710 min Scan# 1490
Delta R.T. -0.247 min
Lab File: BF143813.D
Acq: 25 Sep 2025 19:51

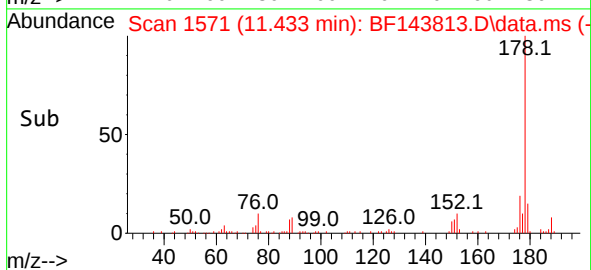
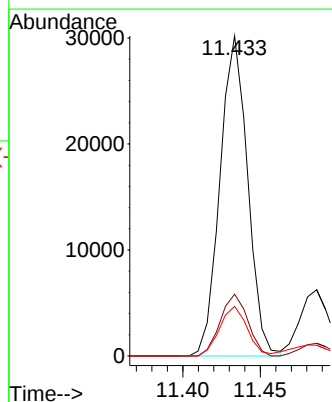
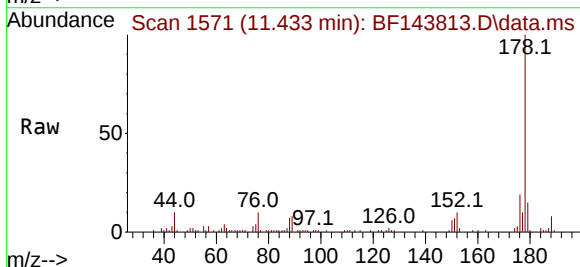
Instrument :
BNA_F
ClientSampleId :
EME-TS12-01

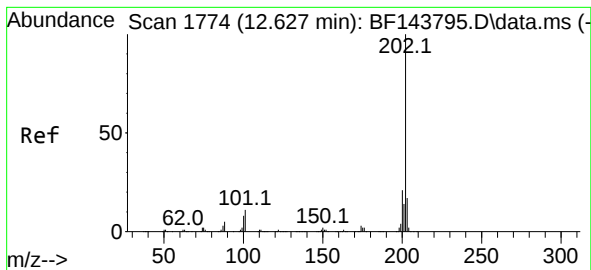
Tgt Ion:248 Resp: 10268
Ion Ratio Lower Upper
248 100
250 194.8 78.7 118.1#
141 276.7 37.9 56.9#



#71
Phenanthrene
Concen: 2.863 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF143813.D
Acq: 25 Sep 2025 19:51

Tgt Ion:178 Resp: 37472
Ion Ratio Lower Upper
178 100
176 19.3 15.6 23.4
179 15.5 12.2 18.4





#75

Fluoranthene

Concen: 4.799 ng

RT: 12.622 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143813.D

Acq: 25 Sep 2025 19:51

Instrument :

BNA_F

ClientSampleId :

EME-TS12-01

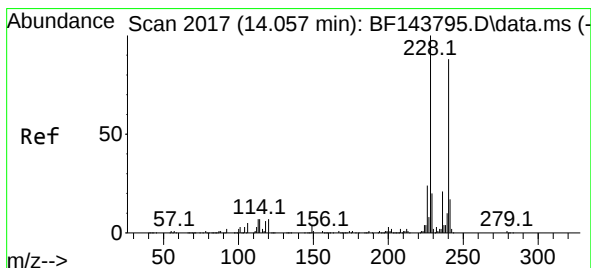
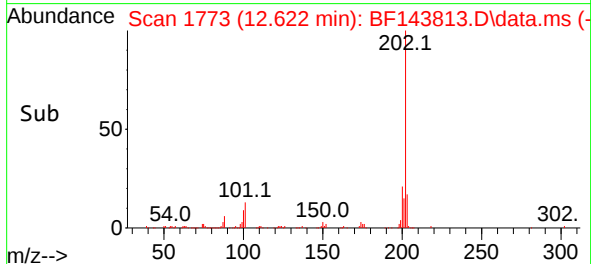
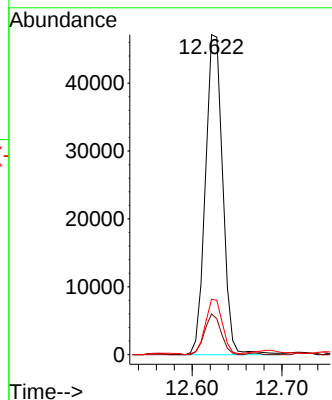
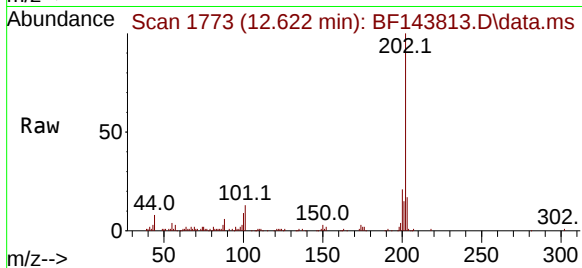
Tgt Ion:202 Resp: 63166

Ion Ratio Lower Upper

202 100

101 12.8 0.0 31.1

203 17.3 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2016

Delta R.T. -0.012 min

Lab File: BF143813.D

Acq: 25 Sep 2025 19:51

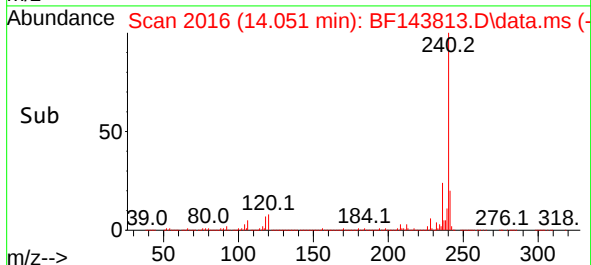
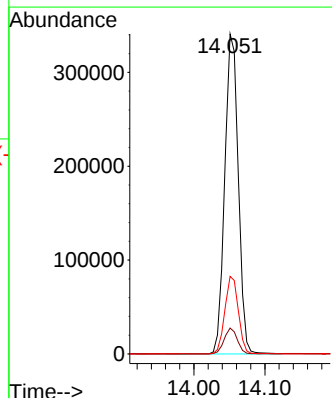
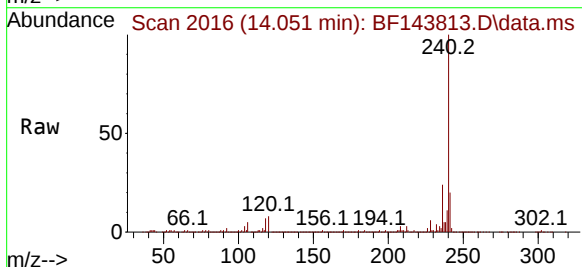
Tgt Ion:240 Resp: 449534

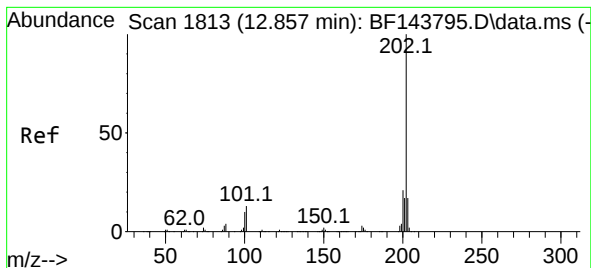
Ion Ratio Lower Upper

240 100

120 8.1 6.2 9.4

236 24.2 19.4 29.2





#78

Pyrene

Concen: 2.659 ng

RT: 12.851 min Scan# 1812

Delta R.T. -0.006 min

Lab File: BF143813.D

Acq: 25 Sep 2025 19:51

Instrument :

BNA_F

ClientSampleId :

EME-TS12-01

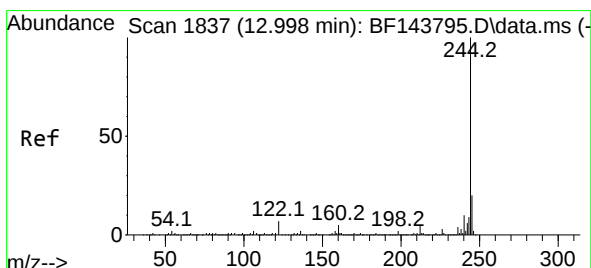
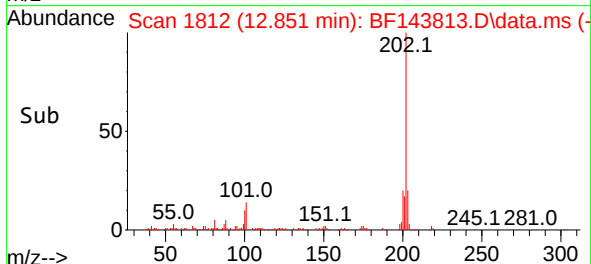
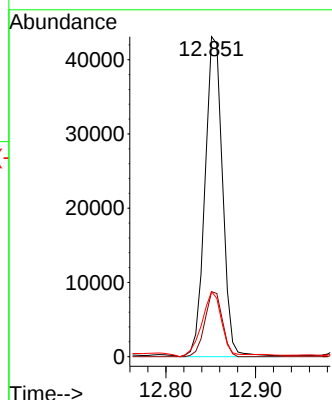
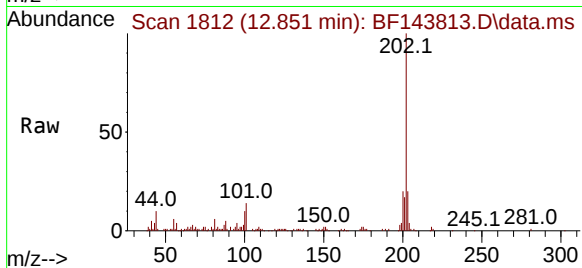
Tgt Ion:202 Resp: 58765

Ion Ratio Lower Upper

202 100

200 20.3 17.0 25.4

203 20.3 13.9 20.9



#79

Terphenyl-d14

Concen: 34.585 ng

RT: 12.998 min Scan# 1837

Delta R.T. -0.006 min

Lab File: BF143813.D

Acq: 25 Sep 2025 19:51

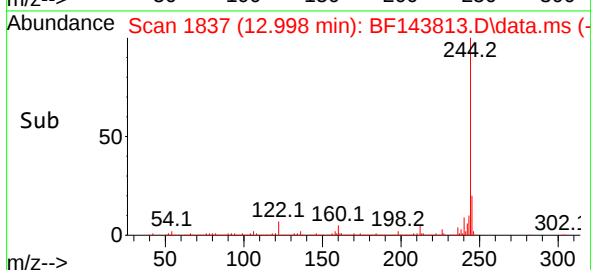
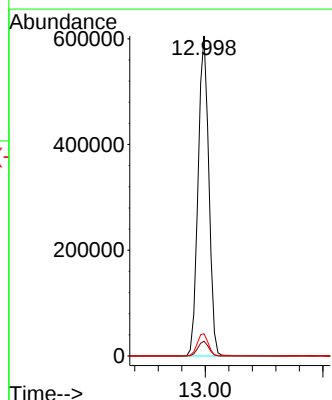
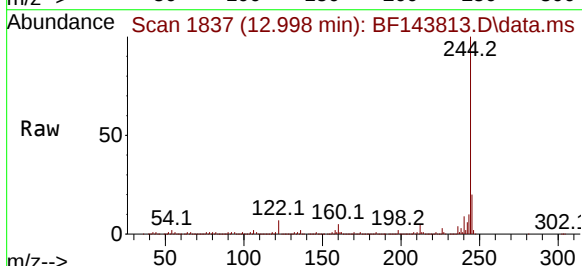
Tgt Ion:244 Resp: 764459

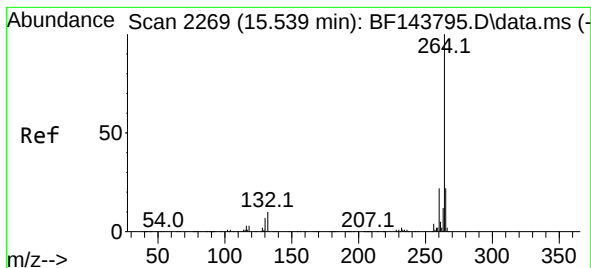
Ion Ratio Lower Upper

244 100

212 4.6 3.9 5.9

122 7.0 5.6 8.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 2194

Delta R.T. -0.006 min

Lab File: BF143813.D

Acq: 25 Sep 2025 19:51

Instrument :

BNA_F

ClientSampleId :

EME-TS12-01

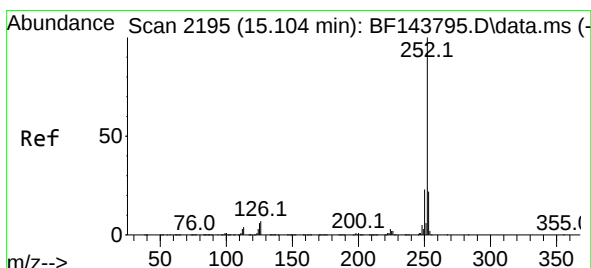
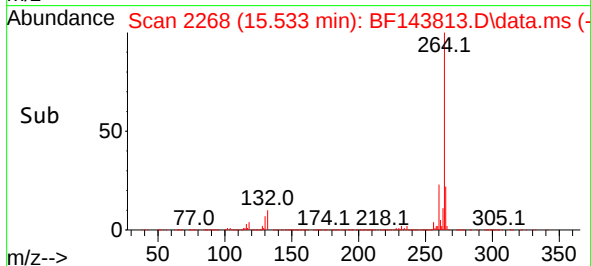
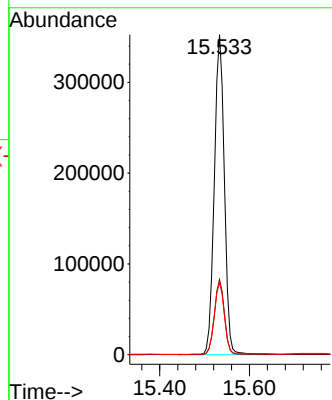
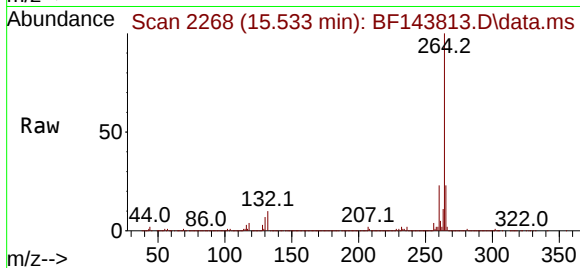
Tgt Ion:264 Resp: 549396

Ion Ratio Lower Upper

264 100

260 23.5 17.9 26.9

265 22.5 17.7 26.5



#88

Benzo(b)fluoranthene

Concen: 3.140 ng

RT: 15.098 min Scan# 2194

Delta R.T. -0.006 min

Lab File: BF143813.D

Acq: 25 Sep 2025 19:51

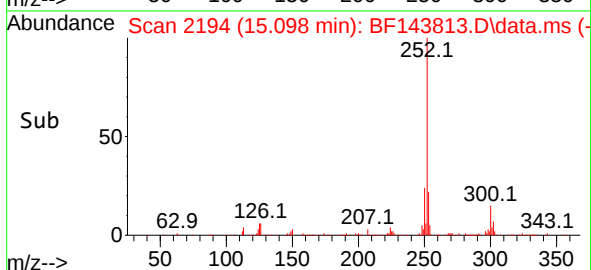
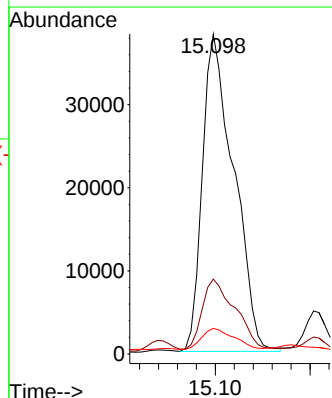
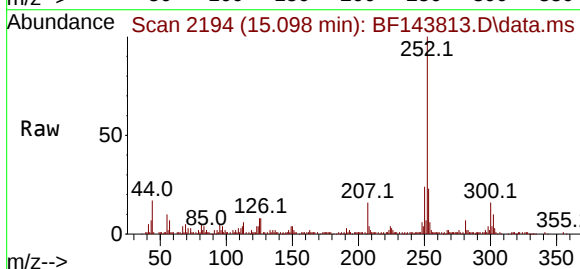
Tgt Ion:252 Resp: 87838

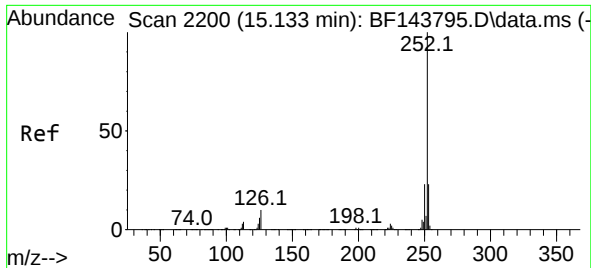
Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.8

125 8.0 4.4 6.6#





#89

Benzo(k)fluoranthene

Concen: 3.125 ng

RT: 15.098 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF143813.D

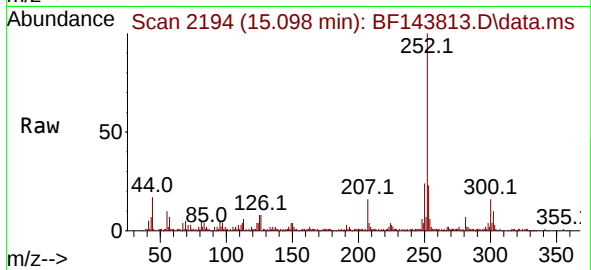
Acq: 25 Sep 2025 19:51

Instrument :

BNA_F

ClientSampleId :

EME-TS12-01



Tgt Ion:252 Resp: 87838

Ion Ratio Lower Upper

252 100

253 23.4 17.9 26.9

125 8.0 4.6 6.8#

