

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
 Data File : BF144035.D
 Acq On : 22 Oct 2025 11:57
 Operator : RC/JU
 Sample : Q3393-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PR132-S08-000013-20251017

Quant Time: Oct 22 12:34:18 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 15:29:47 2025
 Response via : Initial Calibration

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

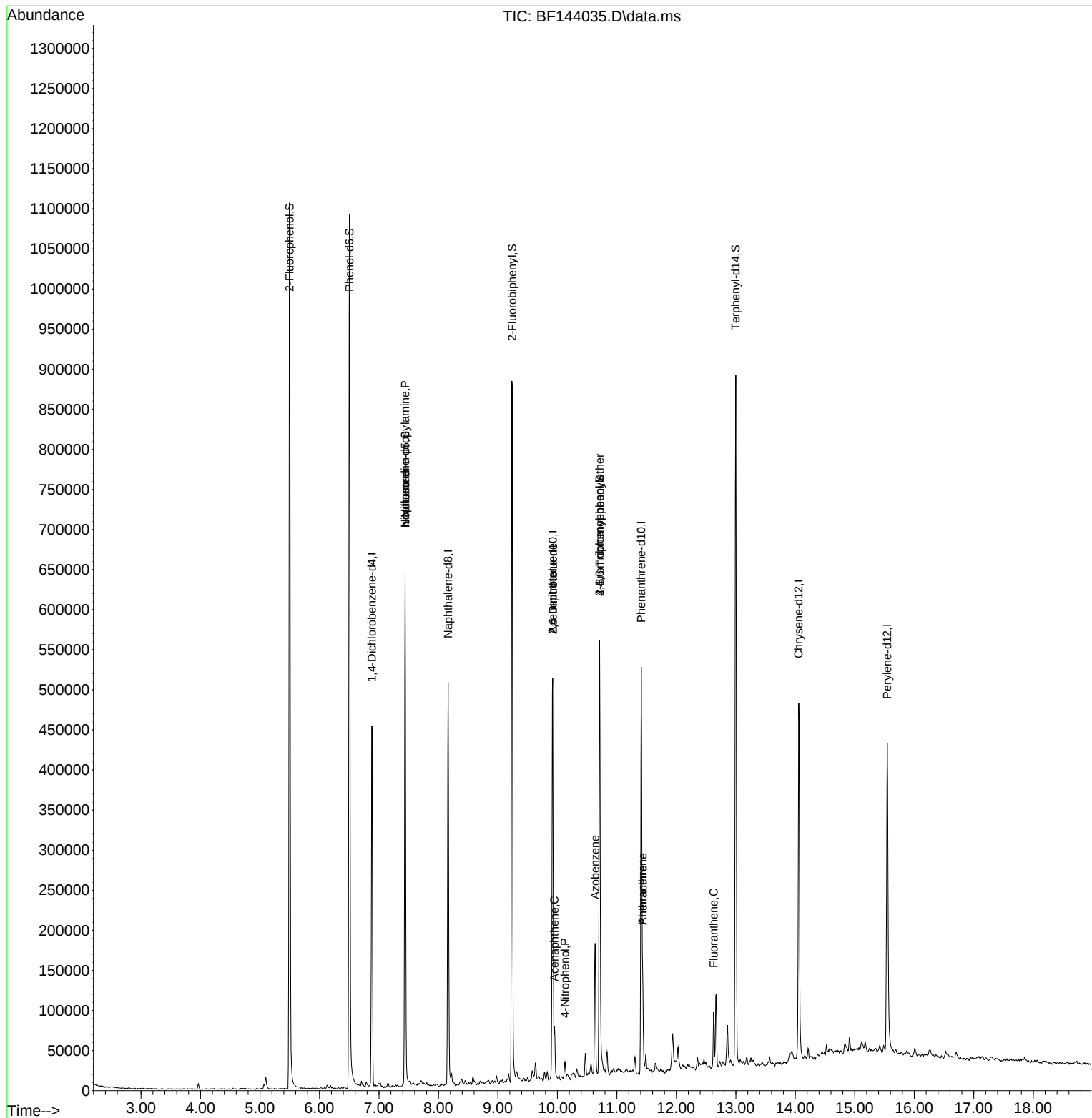
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	88270	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	318764	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	158279	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	268616	20.000	ng	0.00
76) Chrysene-d12	14.057	240	224762	20.000	ng	-0.01
86) Perylene-d12	15.545	264	269273	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	430202	77.394	ng	0.00
7) Phenol-d6	6.504	99	497196	75.041	ng	-0.01
23) Nitrobenzene-d5	7.439	82	269327	51.332	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	101163	64.170	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	440518	44.162	ng	-0.01
79) Terphenyl-d14	12.998	244	439602	33.427	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	39748	8.764	ng	# 76
25) Isophorone	7.439	82	228851	20.686	ng	# 68
51) 2,6-Dinitrotoluene	9.922	165	20597	11.051	ng	# 26
52) Acenaphthene	9.951	154	17575	2.184	ng	# 96
56) 4-Nitrophenol	10.127	139	4166	2.411	ng	# 22
57) 2,4-Dinitrotoluene	9.922	165	20598	8.122	ng	# 27
63) Azobenzene	10.633	77	43458	4.453	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	6662	2.244	ng	# 1
71) Phenanthrene	11.433	178	59586	4.576	ng	98
72) Anthracene	11.433	178	59586	4.529	ng	99
75) Fluoranthene	12.627	202	38970	2.897	ng	95

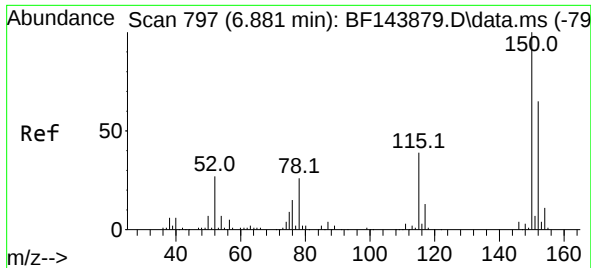
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
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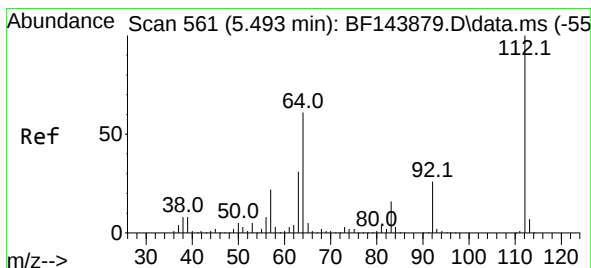
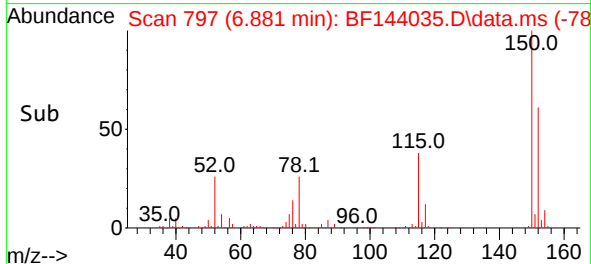
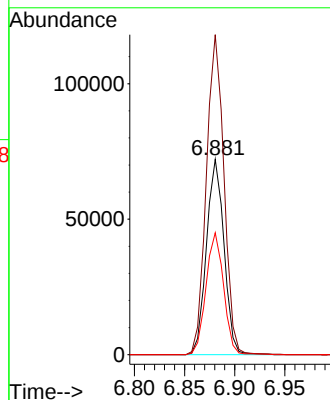
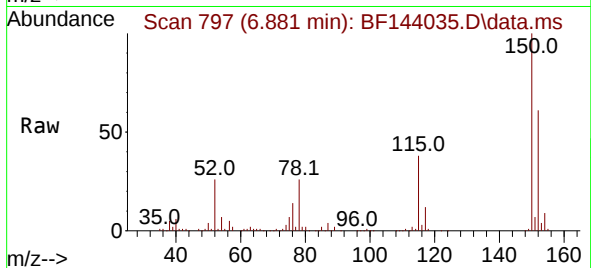




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF144035.D
Acq: 22 Oct 2025 11:57

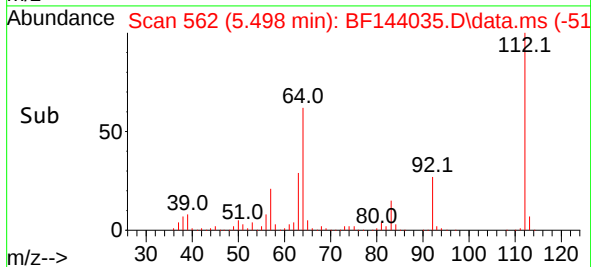
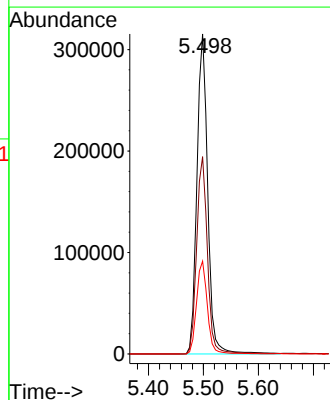
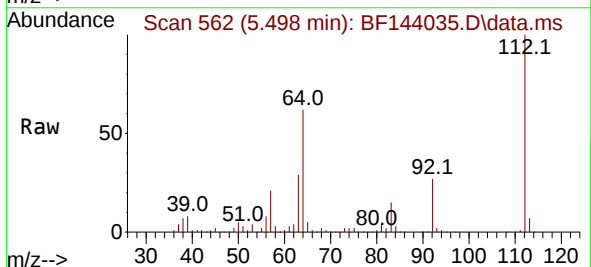
Instrument :
BNA_F
ClientSampleId :
PR132-S08-000013-20251017

Tgt Ion:152 Resp: 88270
Ion Ratio Lower Upper
152 100
150 163.9 124.4 186.6
115 62.4 48.1 72.1



#5
2-Fluorophenol
Concen: 77.394 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.000 min
Lab File: BF144035.D
Acq: 22 Oct 2025 11:57

Tgt Ion:112 Resp: 430202
Ion Ratio Lower Upper
112 100
64 61.6 49.1 73.7
63 29.0 24.5 36.7

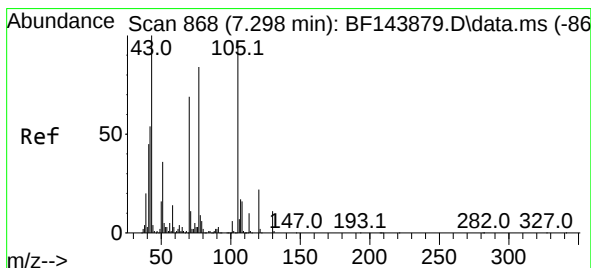
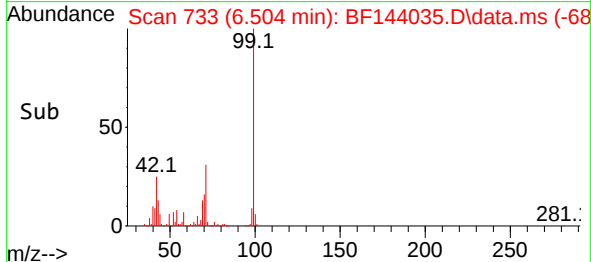
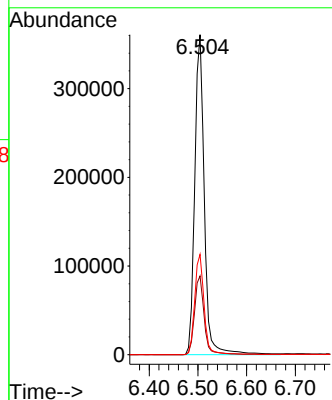
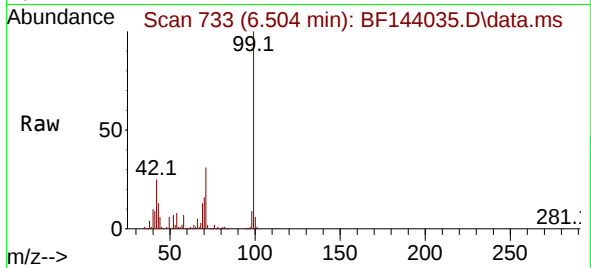




#7
Phenol-d6
Concen: 75.041 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF144035.D
Acq: 22 Oct 2025 11:57

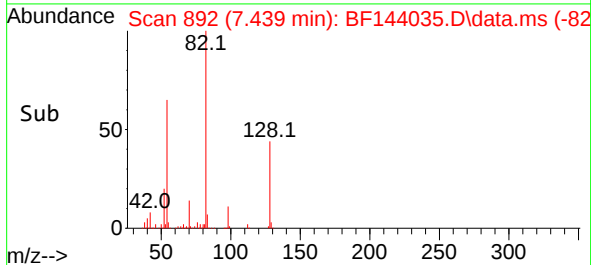
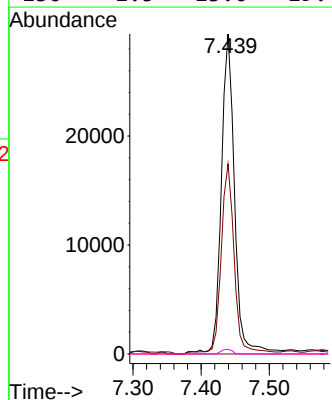
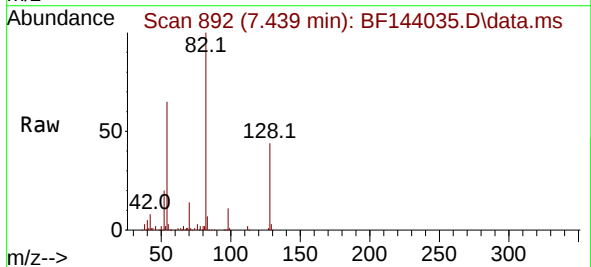
Instrument :
BNA_F
ClientSampleId :
PR132-S08-000013-20251017

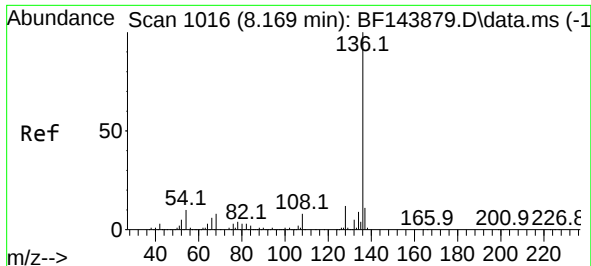
Tgt Ion: 99 Resp: 497196
Ion Ratio Lower Upper
99 100
42 24.6 21.0 31.4
71 31.4 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 8.764 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.124 min
Lab File: BF144035.D
Acq: 22 Oct 2025 11:57

Tgt Ion: 70 Resp: 39748
Ion Ratio Lower Upper
70 100
42 59.4 62.8 94.2#
101 0.0 6.7 10.1#
130 1.5 13.0 19.4#



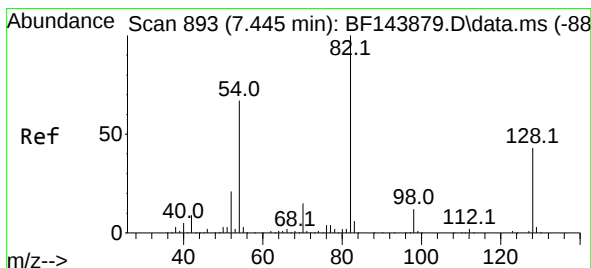
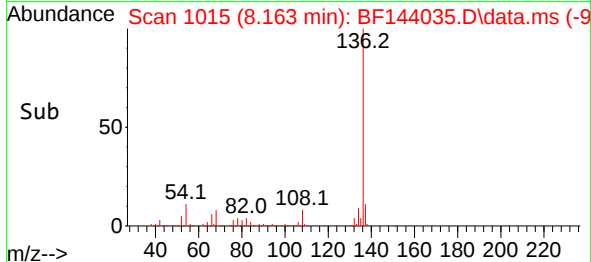
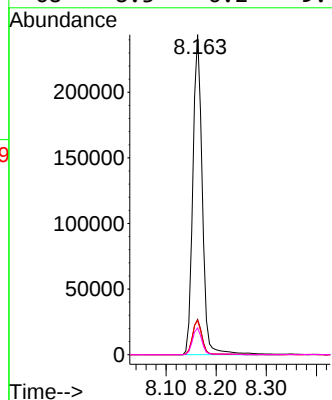
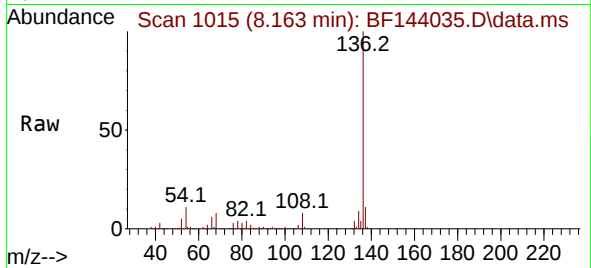


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF144035.D
Acq: 22 Oct 2025 11:57

Instrument :
BNA_F
ClientSampleId :
PR132-S08-000013-20251017

Tgt Ion:136 Resp: 318764

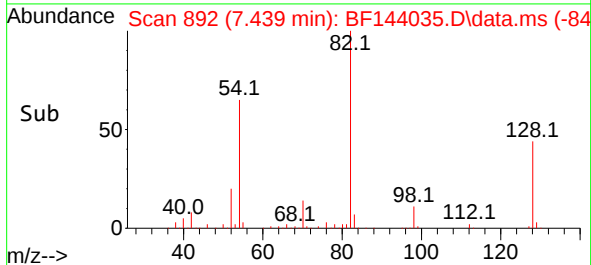
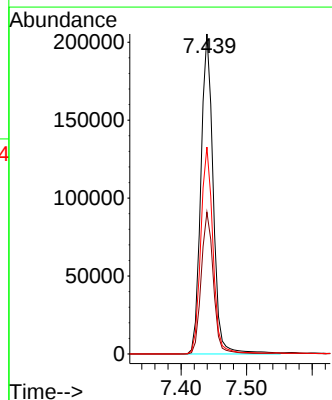
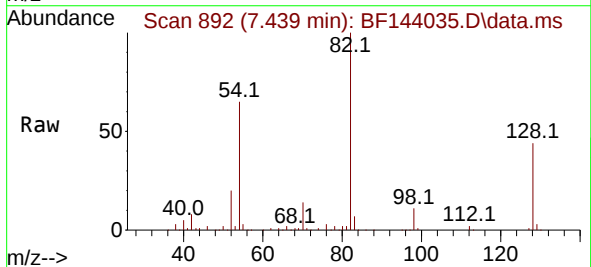
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	10.6	8.2	12.4
68	8.3	6.2	9.4

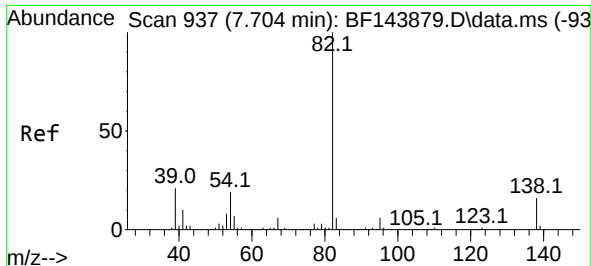


#23
Nitrobenzene-d5
Concen: 51.332 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.018 min
Lab File: BF144035.D
Acq: 22 Oct 2025 11:57

Tgt Ion: 82 Resp: 269327

Ion	Ratio	Lower	Upper
82	100		
128	44.3	34.0	51.0
54	64.7	53.2	79.8

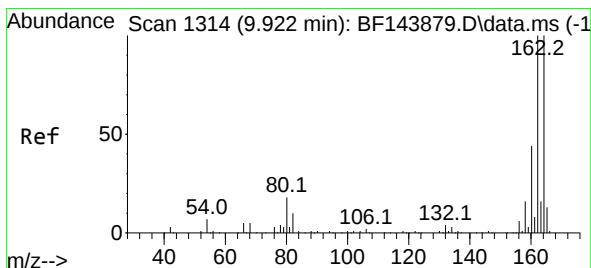
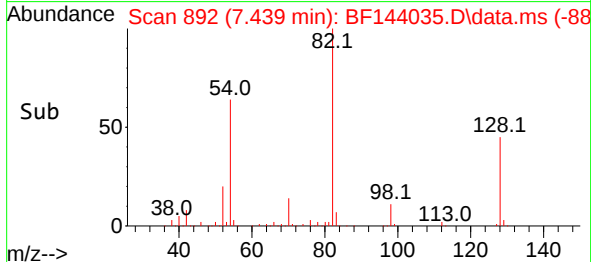
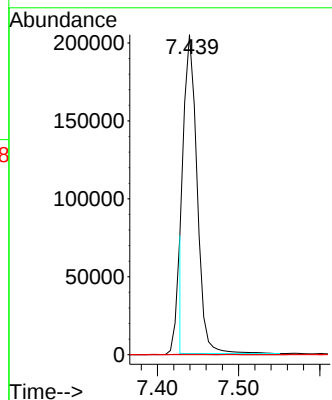
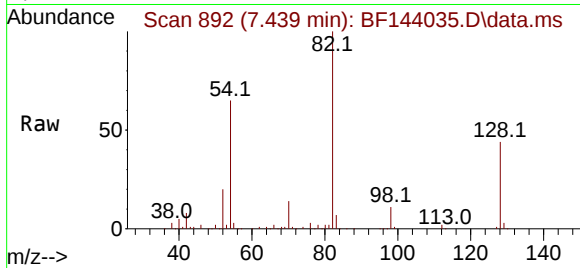




#25
Isophorone
Concen: 20.686 ng
RT: 7.439 min Scan# 89
Delta R.T. -0.282 min
Lab File: BF144035.D
Acq: 22 Oct 2025 11:57

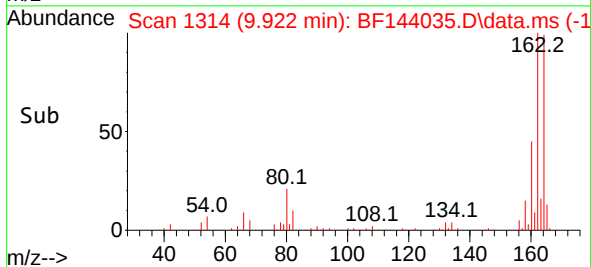
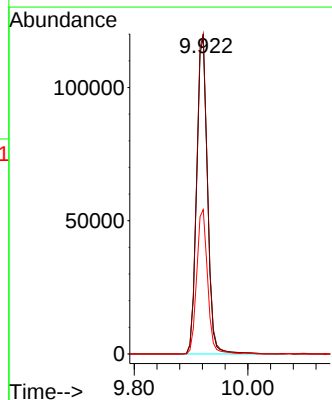
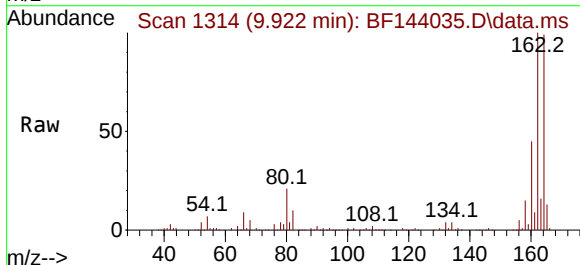
Instrument :
BNA_F
ClientSampleId :
PR132-S08-000013-20251017

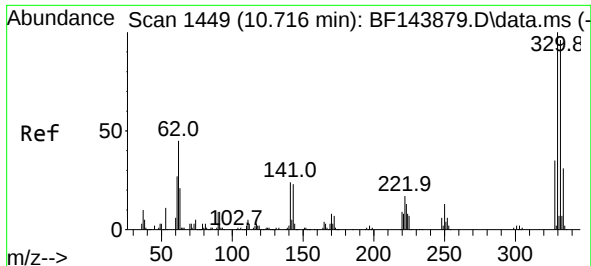
Tgt Ion: 82 Resp: 228851
Ion Ratio Lower Upper
82 100
95 0.1 5.1 7.7#
138 0.0 12.9 19.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF144035.D
Acq: 22 Oct 2025 11:57

Tgt Ion:164 Resp: 158279
Ion Ratio Lower Upper
164 100
162 101.1 80.2 120.2
160 45.6 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 64.170 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF144035.D

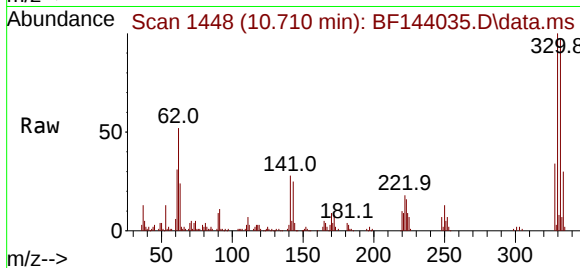
Acq: 22 Oct 2025 11:57

Instrument :

BNA_F

ClientSampleId :

PR132-S08-000013-20251017



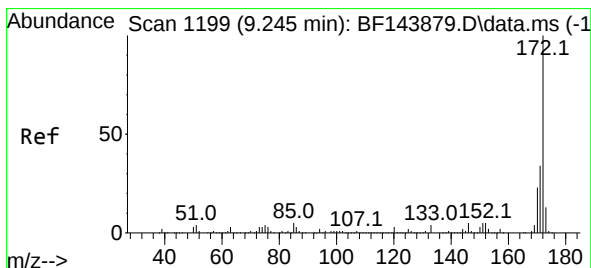
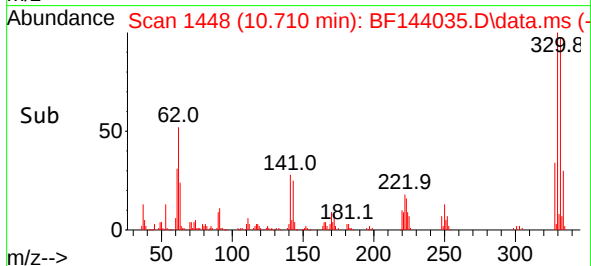
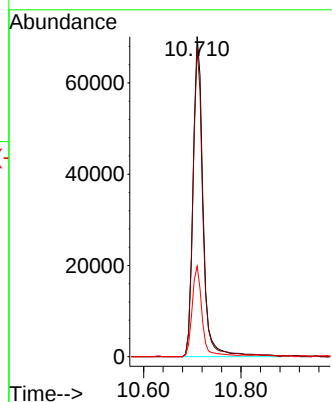
Tgt Ion:330 Resp: 101163

Ion Ratio Lower Upper

330 100

332 94.1 76.9 115.3

141 28.0 20.2 30.4



#45

2-Fluorobiphenyl

Concen: 44.162 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.012 min

Lab File: BF144035.D

Acq: 22 Oct 2025 11:57

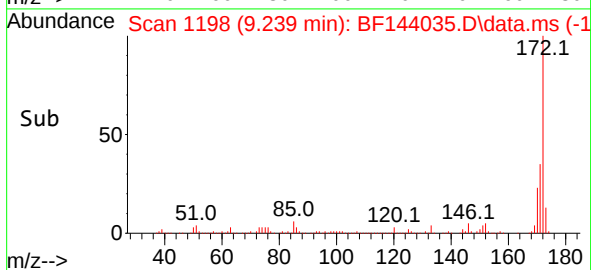
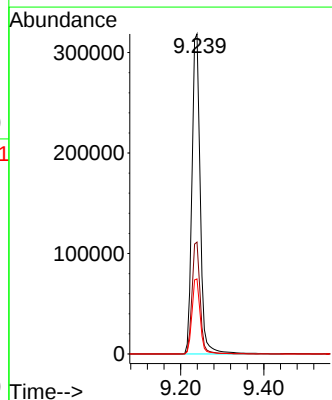
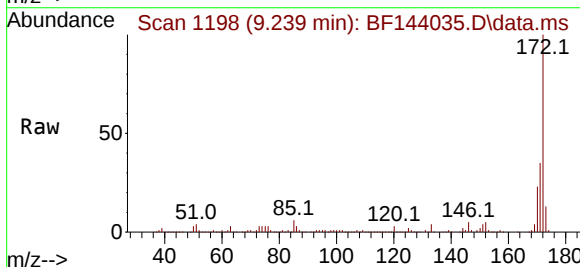
Tgt Ion:172 Resp: 440518

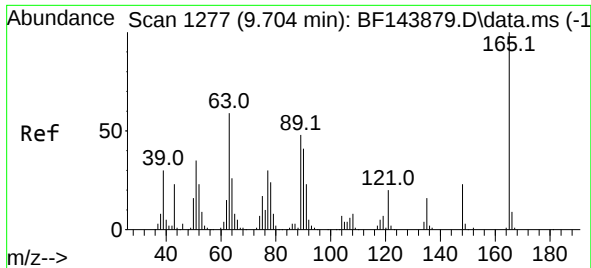
Ion Ratio Lower Upper

172 100

171 35.0 27.4 41.0

170 23.5 18.6 28.0

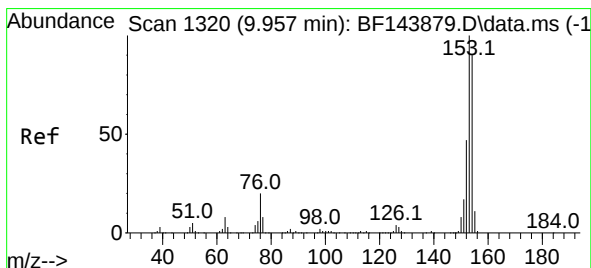
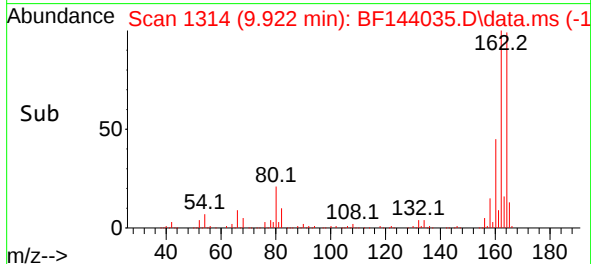
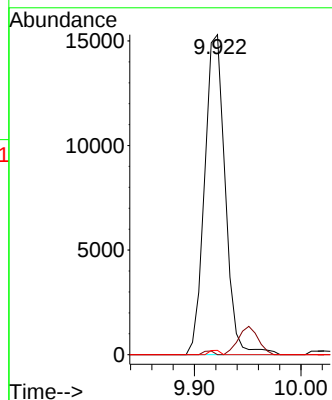
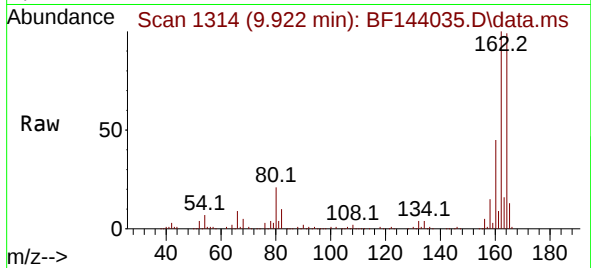




#51
2,6-Dinitrotoluene
Concen: 11.051 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF144035.D
Acq: 22 Oct 2025 11:57

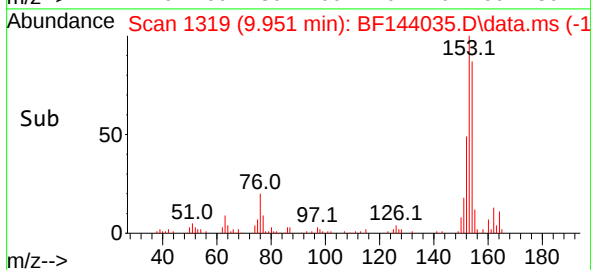
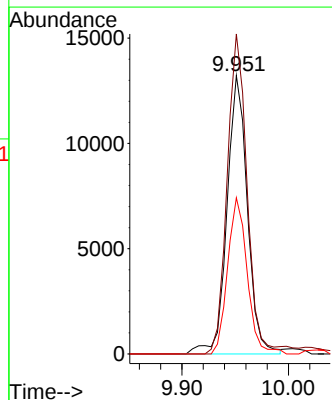
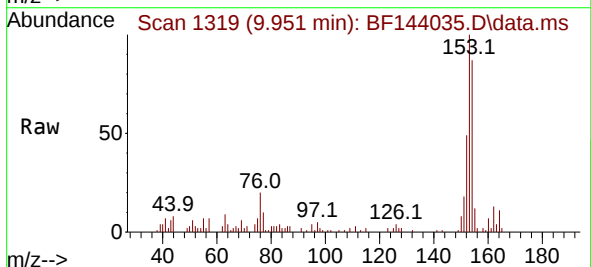
Instrument :
BNA_F
ClientSampleId :
PR132-S08-000013-20251017

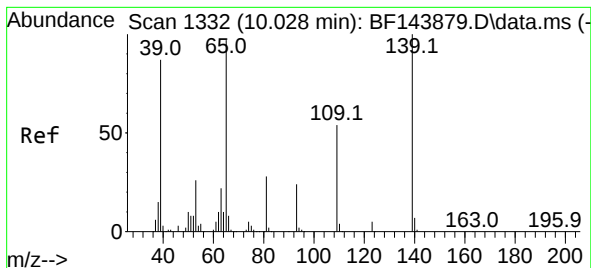
Tgt Ion:165 Resp: 20597
Ion Ratio Lower Upper
165 100
63 0.0 47.3 70.9#
89 1.3 38.2 57.4#



#52
Acenaphthene
Concen: 2.184 ng
RT: 9.951 min Scan# 1319
Delta R.T. -0.012 min
Lab File: BF144035.D
Acq: 22 Oct 2025 11:57

Tgt Ion:154 Resp: 17575
Ion Ratio Lower Upper
154 100
153 114.9 89.3 133.9
152 56.1 42.2 63.2

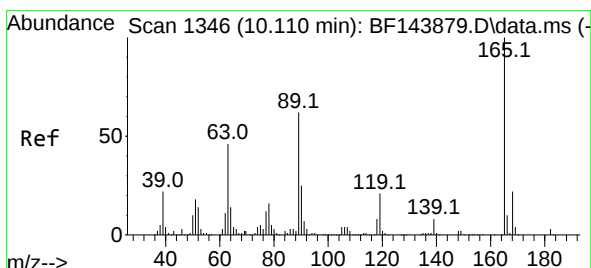
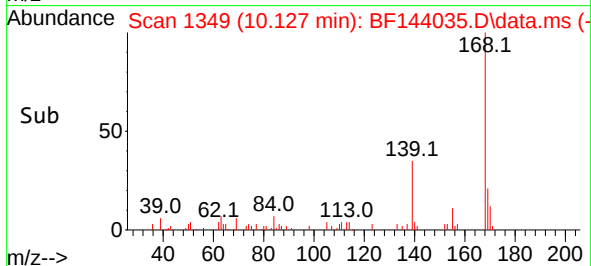
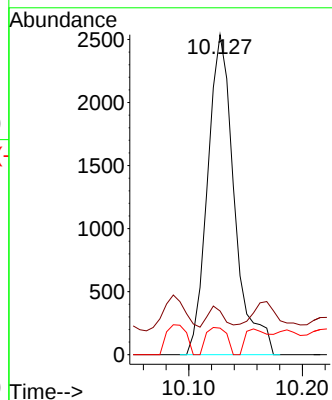
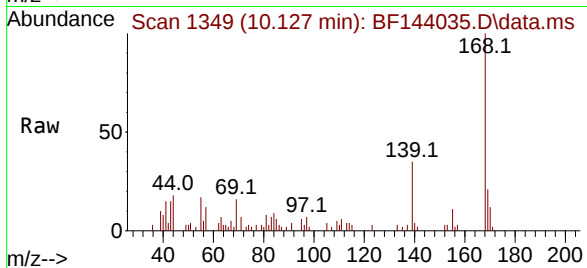




#56
4-Nitrophenol
Concen: 2.411 ng
RT: 10.127 min Scan# 11
Delta R.T. 0.088 min
Lab File: BF144035.D
Acq: 22 Oct 2025 11:57

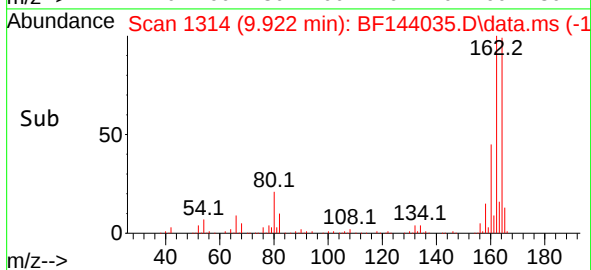
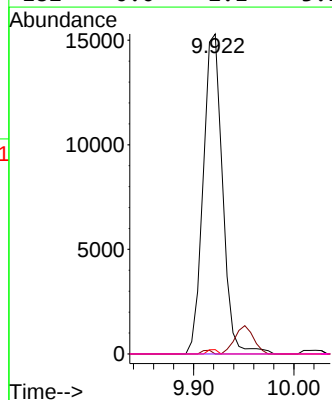
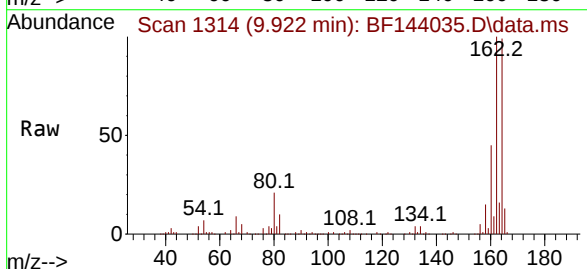
Instrument :
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PR132-S08-000013-20251017

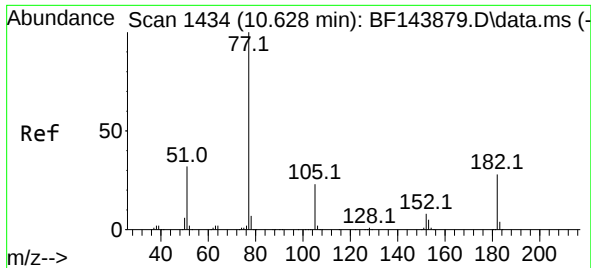
Tgt Ion:139 Resp: 4166
Ion Ratio Lower Upper
139 100
109 13.6 34.5 74.5#
65 8.3 77.6 117.6#



#57
2,4-Dinitrotoluene
Concen: 8.122 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.194 min
Lab File: BF144035.D
Acq: 22 Oct 2025 11:57

Tgt Ion:165 Resp: 20598
Ion Ratio Lower Upper
165 100
63 0.0 37.2 55.8#
89 1.3 49.4 74.2#
182 0.0 2.1 3.1#

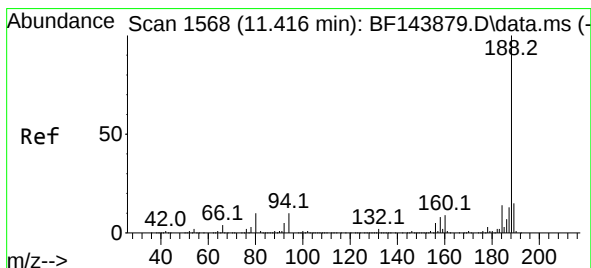
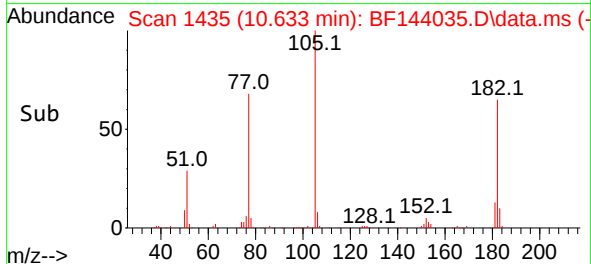
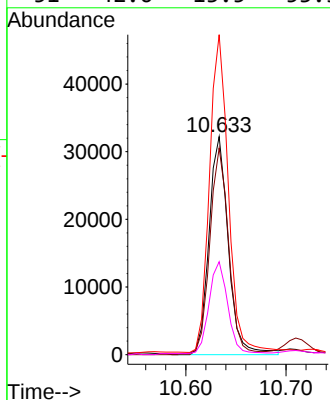
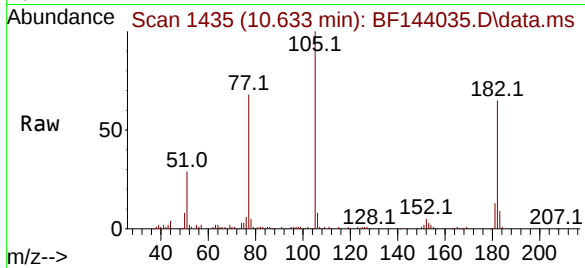




#63
Azobenzene
Concen: 4.453 ng
RT: 10.633 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144035.D
Acq: 22 Oct 2025 11:57

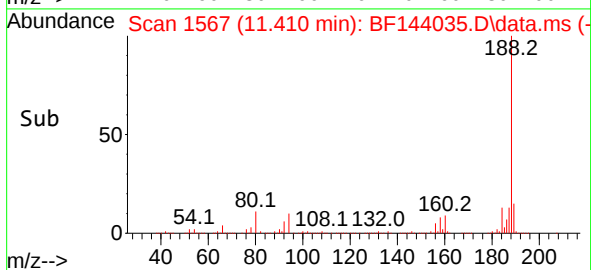
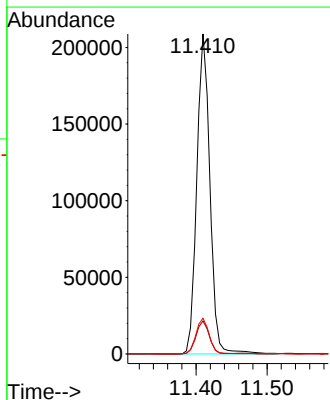
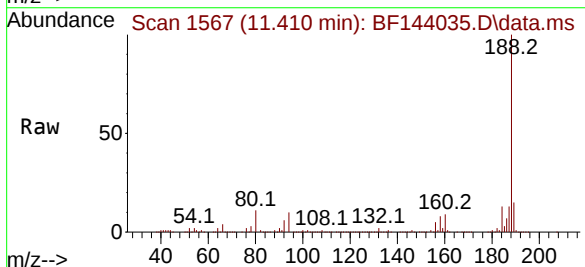
Instrument :
BNA_F
ClientSampleId :
PR132-S08-000013-20251017

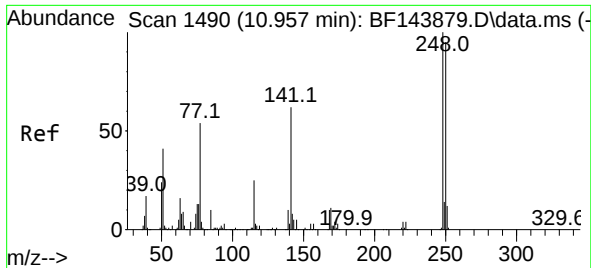
Tgt Ion:	77	Resp:	43458
Ion Ratio	Lower	Upper	
77	100		
182	94.7	7.3	47.3#
105	146.7	3.0	43.0#
51	42.6	13.5	53.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF144035.D
Acq: 22 Oct 2025 11:57

Tgt Ion:	188	Resp:	268616
Ion Ratio	Lower	Upper	
188	100		
94	10.3	7.8	11.6
80	11.2	7.9	11.9

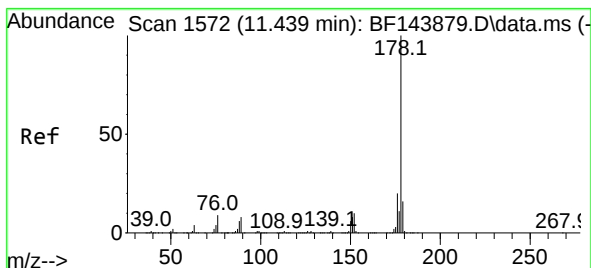
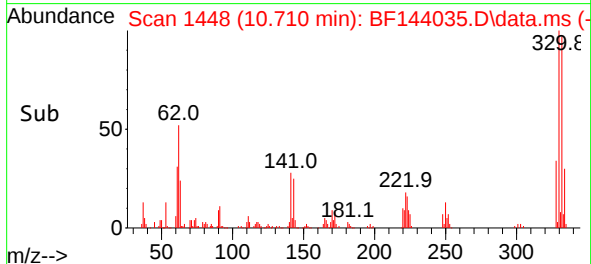
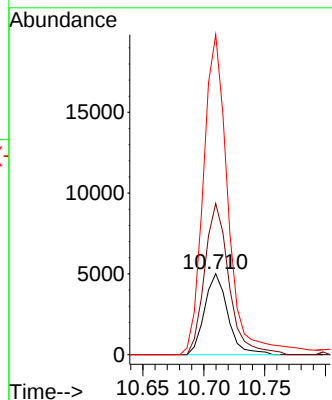
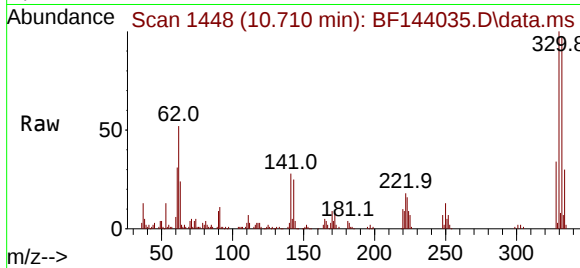




#67
4-Bromophenyl-phenylether
Concen: 2.244 ng
RT: 10.710 min Scan# 1490
Delta R.T. -0.253 min
Lab File: BF144035.D
Acq: 22 Oct 2025 11:57

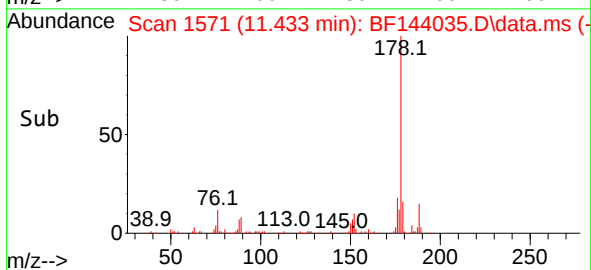
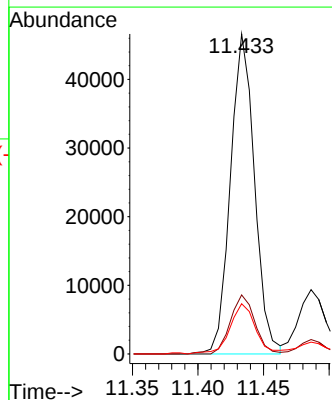
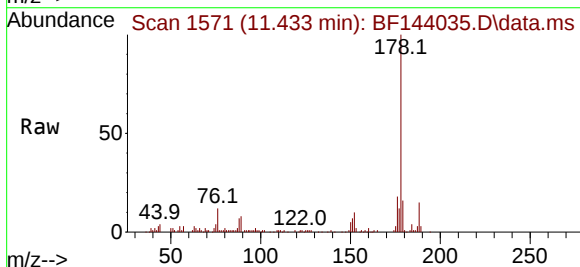
Instrument :
BNA_F
ClientSampleId :
PR132-S08-000013-20251017

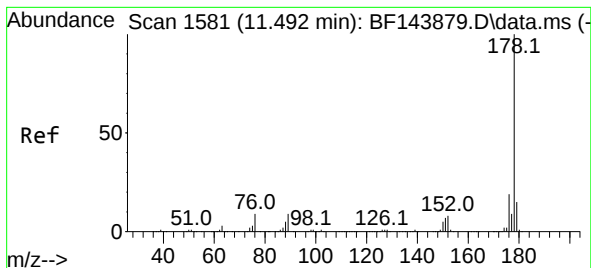
Tgt Ion:248 Resp: 6662
Ion Ratio Lower Upper
248 100
250 186.6 76.3 114.5#
141 395.0 49.7 74.5#



#71
Phenanthrene
Concen: 4.576 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF144035.D
Acq: 22 Oct 2025 11:57

Tgt Ion:178 Resp: 59586
Ion Ratio Lower Upper
178 100
176 18.4 15.9 23.9
179 15.7 12.4 18.6





#72

Anthracene

Concen: 4.529 ng

RT: 11.433 min Scan# 11

Delta R.T. -0.065 min

Lab File: BF144035.D

Acq: 22 Oct 2025 11:57

Instrument :

BNA_F

ClientSampleId :

PR132-S08-000013-20251017

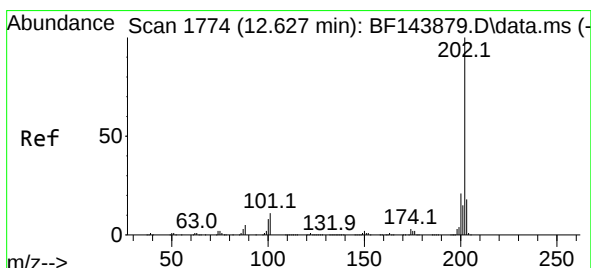
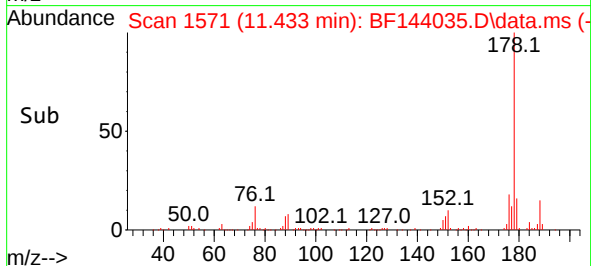
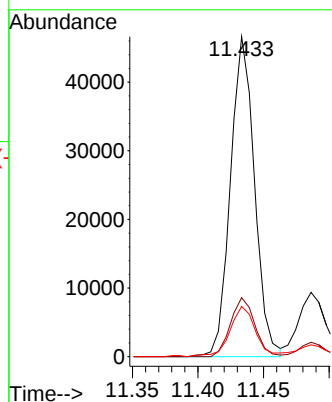
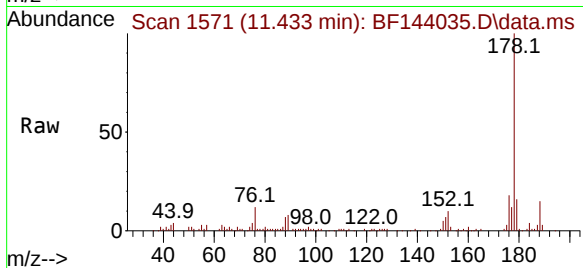
Tgt Ion:178 Resp: 59586

Ion Ratio Lower Upper

178 100

176 18.4 14.9 22.3

179 15.7 12.2 18.2



#75

Fluoranthene

Concen: 2.897 ng

RT: 12.627 min Scan# 1774

Delta R.T. -0.006 min

Lab File: BF144035.D

Acq: 22 Oct 2025 11:57

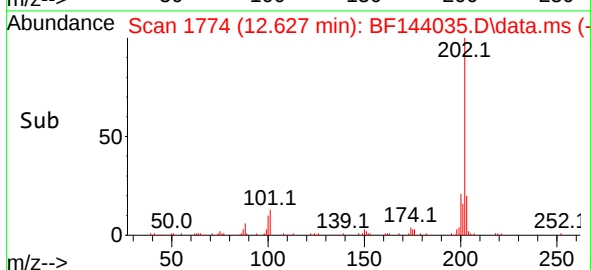
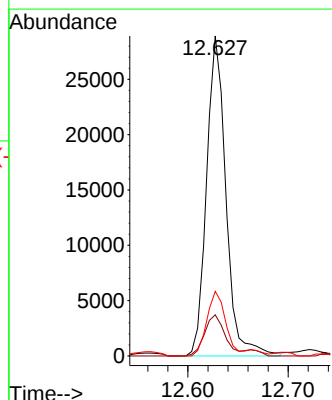
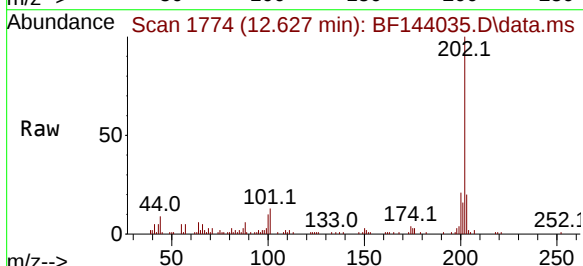
Tgt Ion:202 Resp: 38970

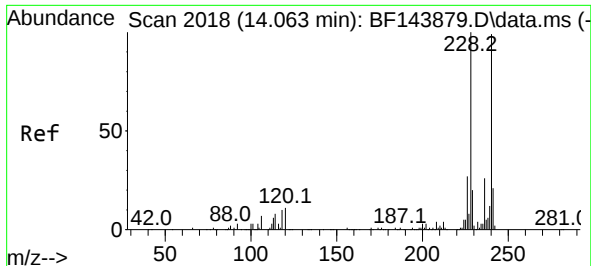
Ion Ratio Lower Upper

202 100

101 12.8 0.0 30.7

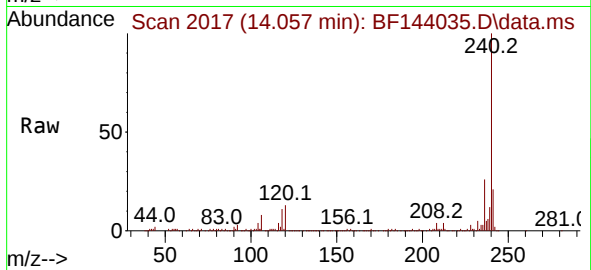
203 20.2 0.0 37.8



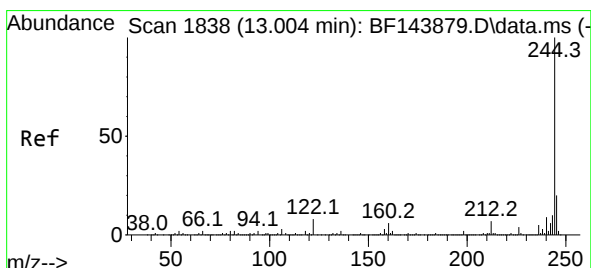
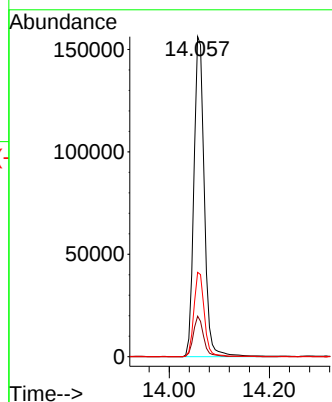
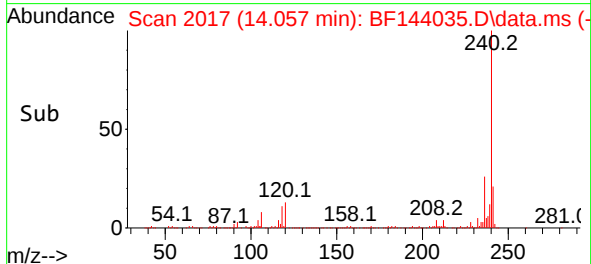


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 20
Delta R.T. -0.011 min
Lab File: BF144035.D
Acq: 22 Oct 2025 11:57

Instrument :
BNA_F
ClientSampleId :
PR132-S08-000013-20251017

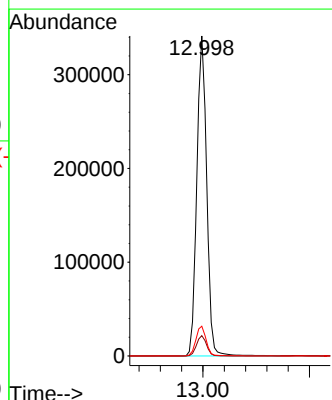
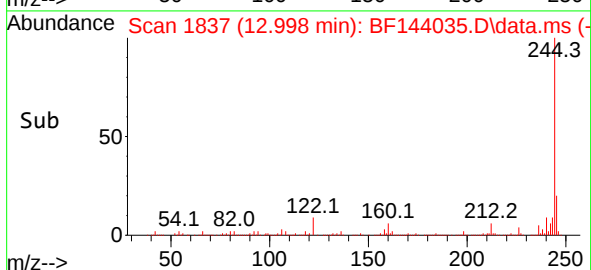
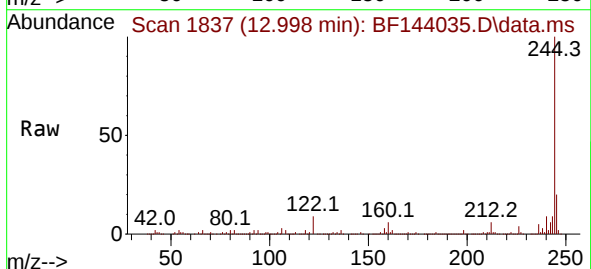


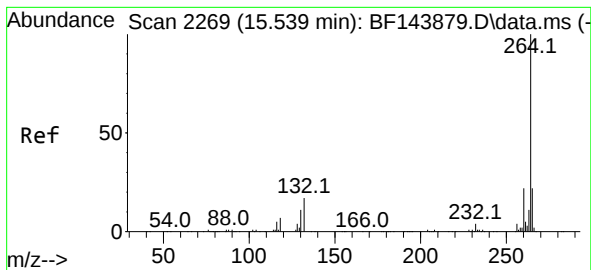
Tgt Ion:240 Resp: 224762
Ion Ratio Lower Upper
240 100
120 12.6 8.6 13.0
236 26.3 21.1 31.7



#79
Terphenyl-d14
Concen: 33.427 ng
RT: 12.998 min Scan# 1837
Delta R.T. -0.012 min
Lab File: BF144035.D
Acq: 22 Oct 2025 11:57

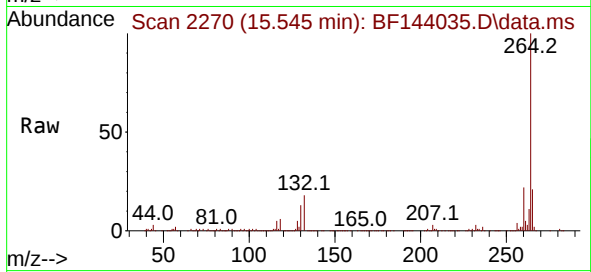
Tgt Ion:244 Resp: 439602
Ion Ratio Lower Upper
244 100
212 6.4 5.4 8.0
122 9.3 6.4 9.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.545 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF144035.D
 Acq: 22 Oct 2025 11:57

Instrument :
 BNA_F
 ClientSampleId :
 PR132-S08-000013-20251017



Tgt Ion:264 Resp: 269273
 Ion Ratio Lower Upper
 264 100
 260 21.9 17.8 26.8
 265 21.5 17.5 26.3

