

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
 Data File : BF144086.D
 Acq On : 27 Oct 2025 16:33
 Operator : RC/JU
 Sample : Q3395-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PR132-S07-000102-22510170

Quant Time: Oct 27 17:06:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 17:30:25 2025
 Response via : Initial Calibration

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

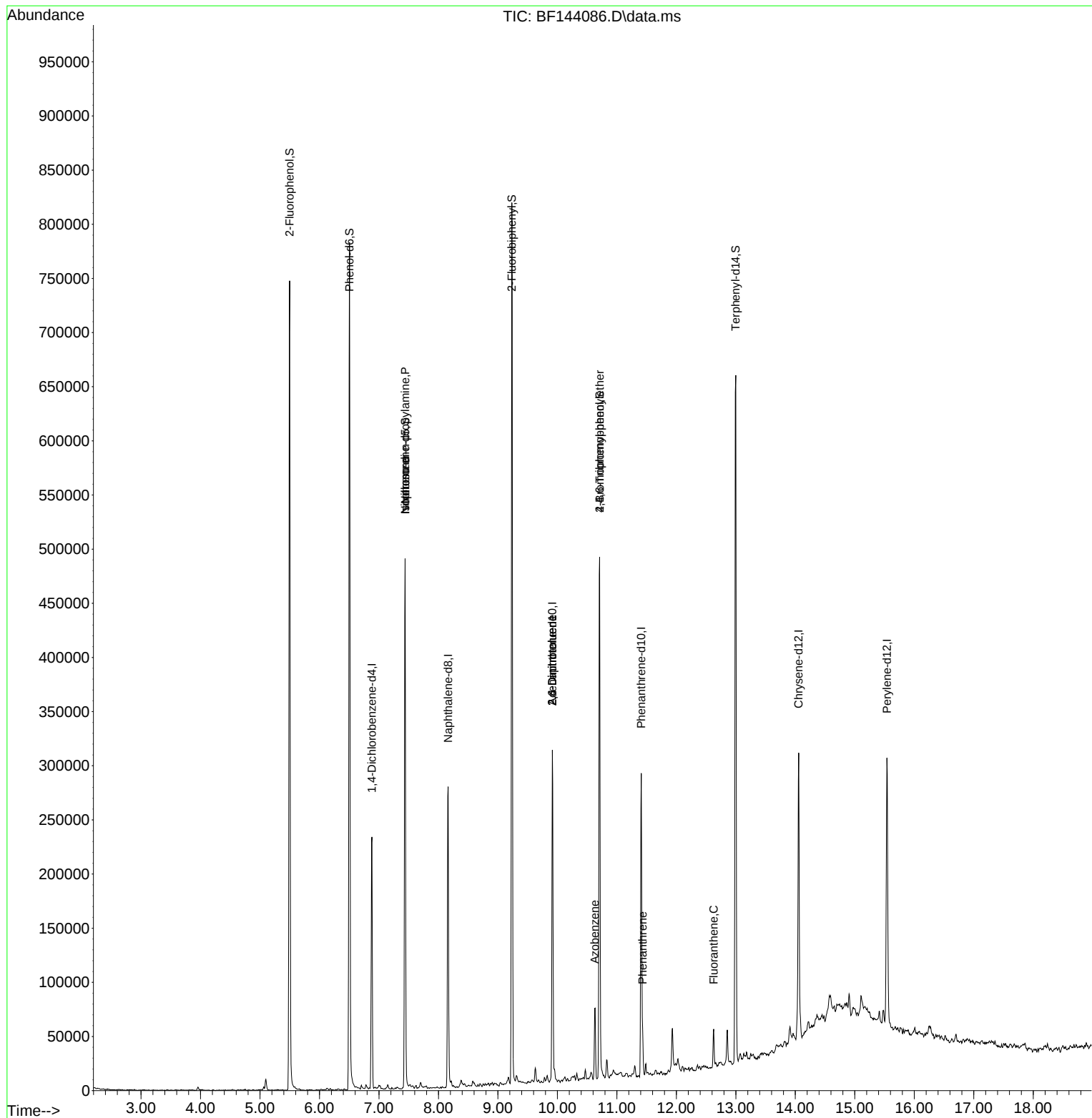
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	49197	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	182564	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	93912	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	147369	20.000	ng	0.00
76) Chrysene-d12	14.057	240	132745	20.000	ng	0.00
86) Perylene-d12	15.539	264	166960	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	284104	91.364	ng	0.00
7) Phenol-d6	6.504	99	322671	93.958	ng	0.00
23) Nitrobenzene-d5	7.439	82	204522	61.377	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	98872	82.651	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	371566	55.677	ng	0.00
79) Terphenyl-d14	12.998	244	341415	44.964	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	30620	13.788	ng	# 73
25) Isophorone	7.439	82	201317	34.556	ng	# 66
51) 2,6-Dinitrotoluene	9.916	165	12293	10.102	ng	# 22
57) 2,4-Dinitrotoluene	9.916	165	12293	7.485	ng	# 25
63) Azobenzene	10.627	77	17717	3.234	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	5262	2.852	ng	# 1
71) Phenanthrene	11.433	178	20215	2.761	ng	96
75) Fluoranthene	12.627	202	21112	2.610	ng	99

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

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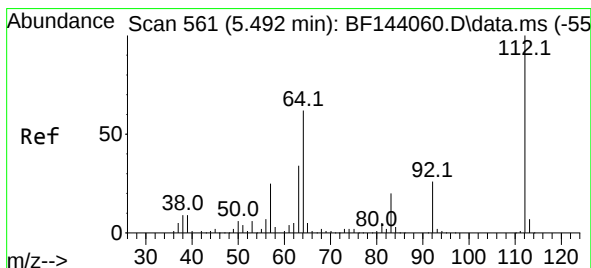
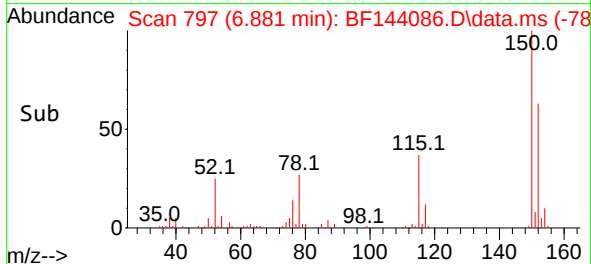
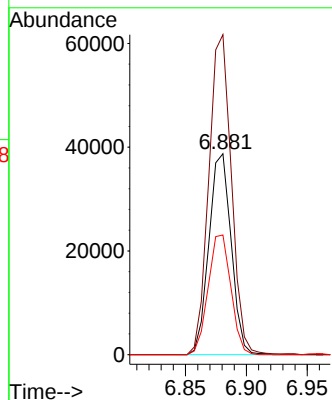
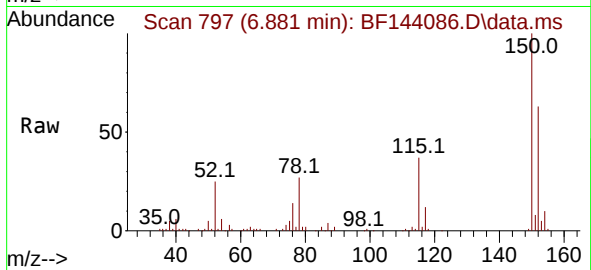




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.000 min
Lab File: BF144086.D
Acq: 27 Oct 2025 16:33

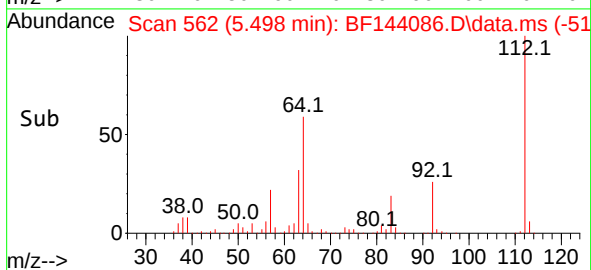
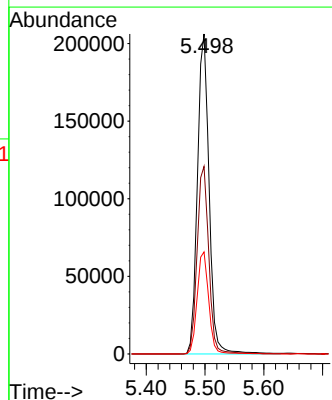
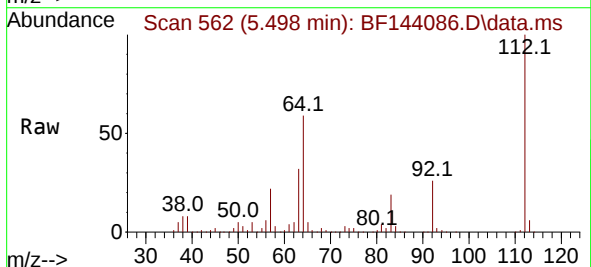
Instrument :
BNA_F
ClientSampleId :
PR132-S07-000102-22510170

Tgt Ion:152 Resp: 49197
Ion Ratio Lower Upper
152 100
150 159.3 124.4 186.6
115 59.6 49.4 74.0



#5
2-Fluorophenol
Concen: 91.364 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF144086.D
Acq: 27 Oct 2025 16:33

Tgt Ion:112 Resp: 284104
Ion Ratio Lower Upper
112 100
64 58.6 49.8 74.8
63 31.9 27.4 41.2

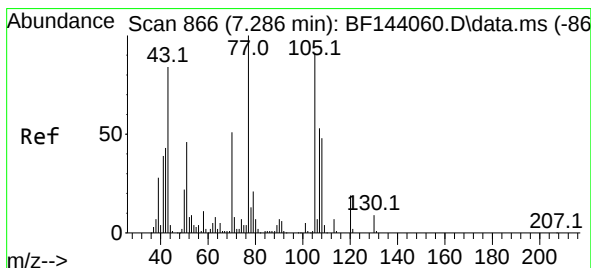
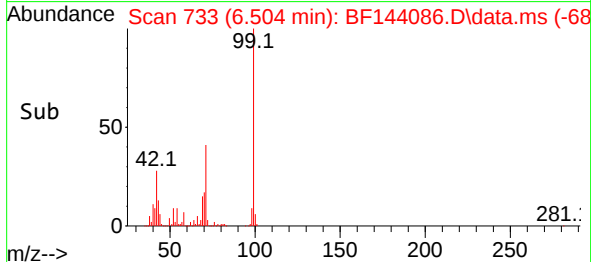
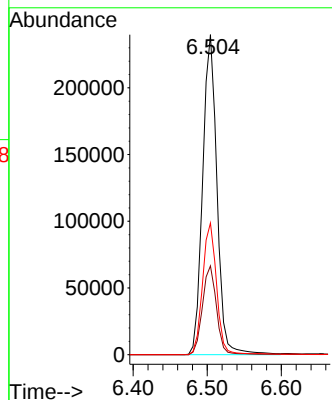
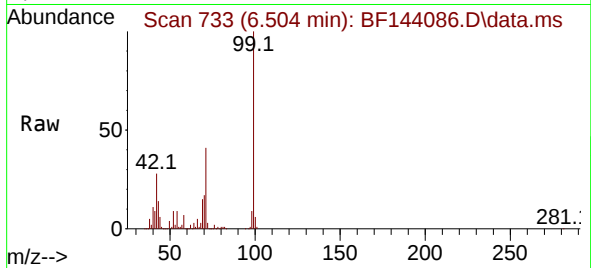




#7
Phenol-d6
Concen: 93.958 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF144086.D
Acq: 27 Oct 2025 16:33

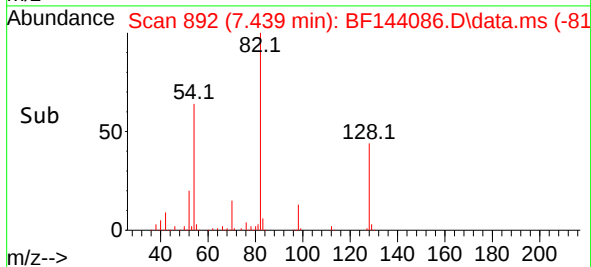
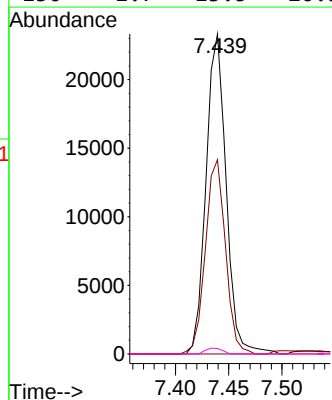
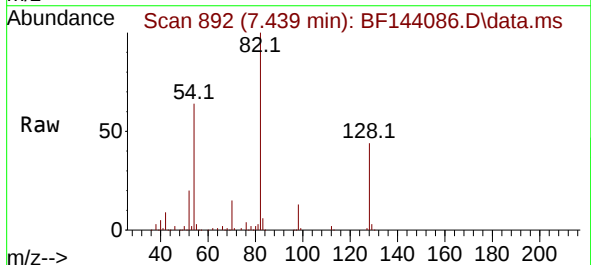
Instrument :
BNA_F
ClientSampleId :
PR132-S07-000102-22510170

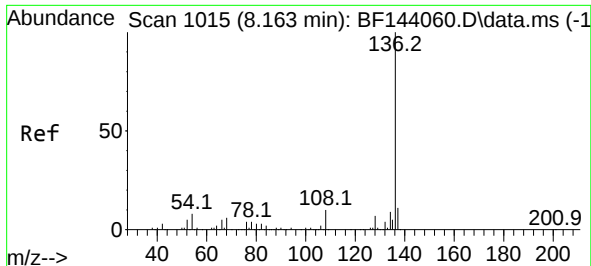
Tgt Ion: 99 Resp: 322671
Ion Ratio Lower Upper
99 100
42 27.7 23.9 35.9
71 41.2 34.4 51.6



#19
n-Nitroso-di-n-propylamine
Concen: 13.788 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.153 min
Lab File: BF144086.D
Acq: 27 Oct 2025 16:33

Tgt Ion: 70 Resp: 30620
Ion Ratio Lower Upper
70 100
42 60.7 67.4 101.0#
101 0.0 7.1 10.7#
130 1.7 13.5 20.3#

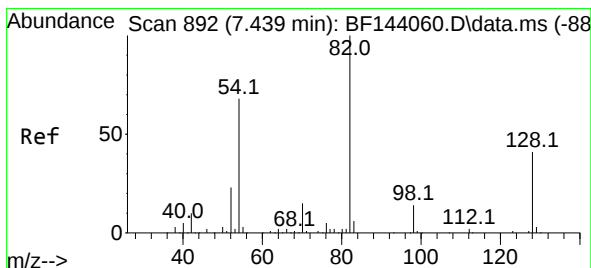
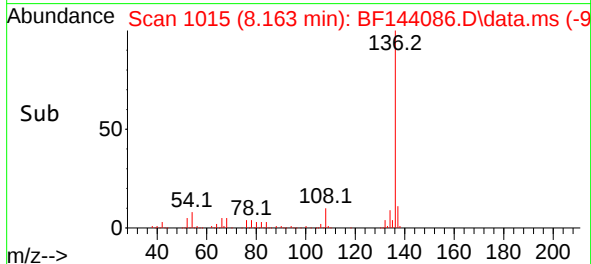
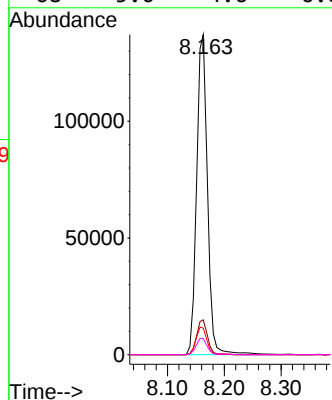
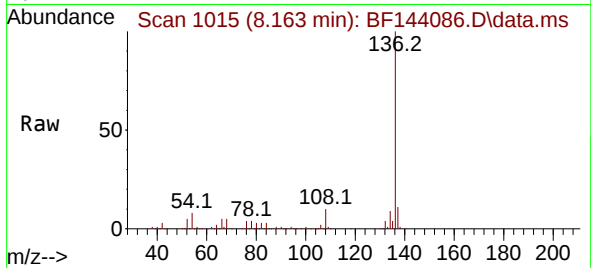




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. 0.000 min
Lab File: BF144086.D
Acq: 27 Oct 2025 16:33

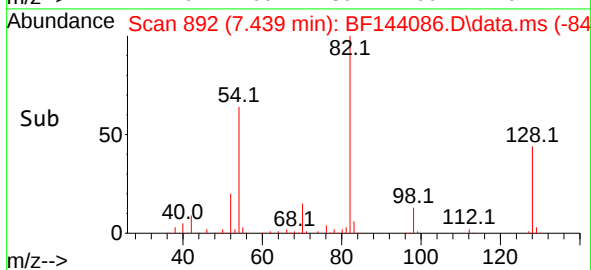
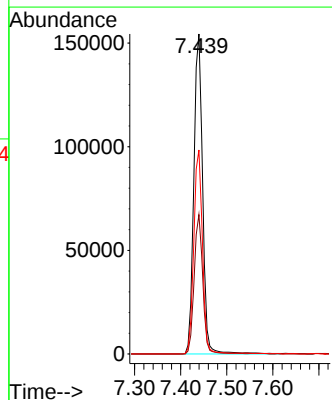
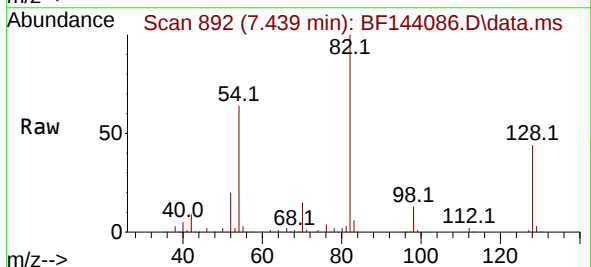
Instrument :
BNA_F
ClientSampleId :
PR132-S07-000102-22510170

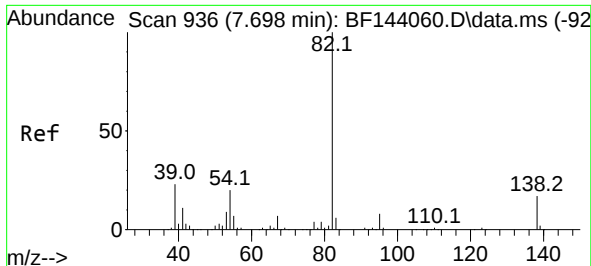
Tgt Ion:	136	Resp:	182564
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.3	6.6	9.8
68	5.0	4.6	6.8



#23
Nitrobenzene-d5
Concen: 61.377 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.000 min
Lab File: BF144086.D
Acq: 27 Oct 2025 16:33

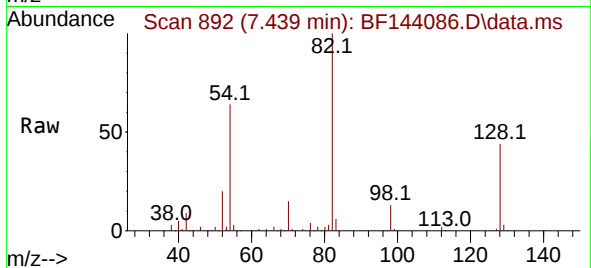
Tgt Ion:	82	Resp:	204522
Ion	Ratio	Lower	Upper
82	100		
128	43.5	32.4	48.6
54	63.8	54.0	81.0



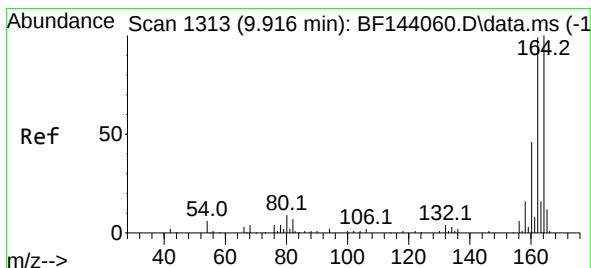
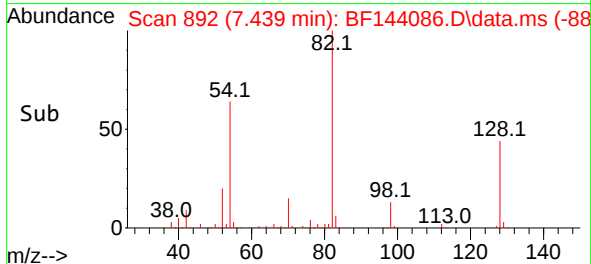
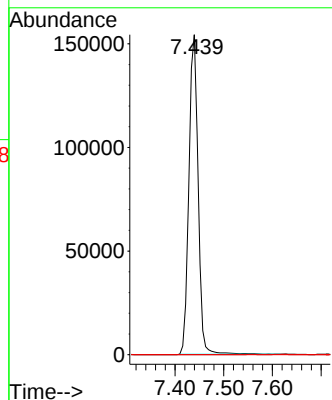


#25
Isophorone
Concen: 34.556 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.259 min
Lab File: BF144086.D
Acq: 27 Oct 2025 16:33

Instrument :
BNA_F
ClientSampleId :
PR132-S07-000102-22510170

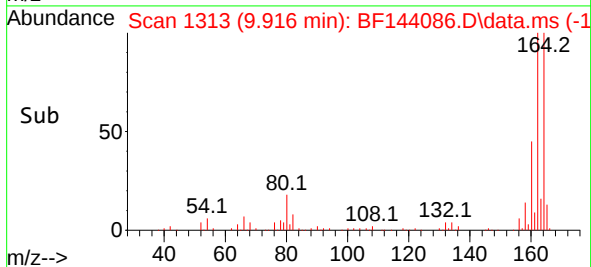
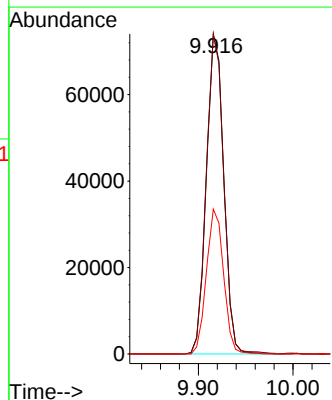
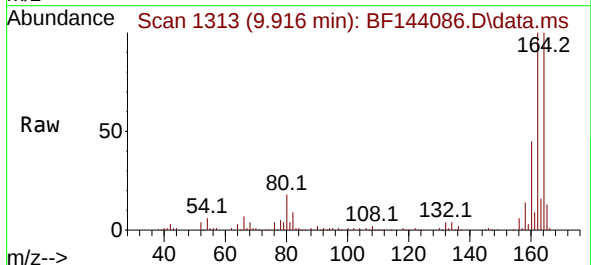


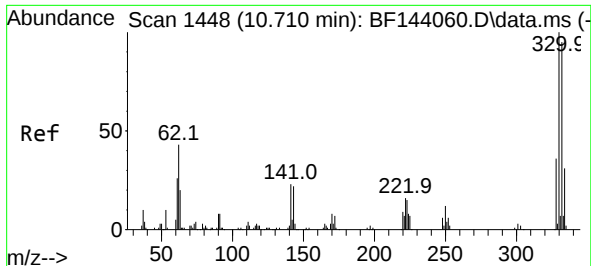
Tgt Ion: 82 Resp: 201317
Ion Ratio Lower Upper
82 100
95 0.0 6.6 9.8#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BF144086.D
Acq: 27 Oct 2025 16:33

Tgt Ion:164 Resp: 93912
Ion Ratio Lower Upper
164 100
162 100.1 79.4 119.2
160 45.3 36.7 55.1

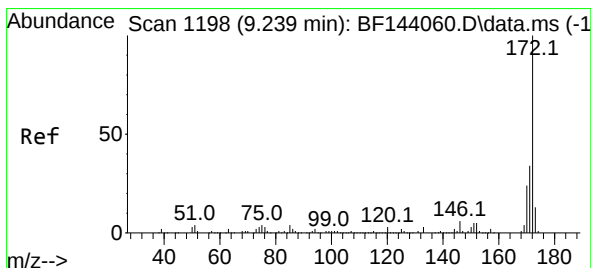
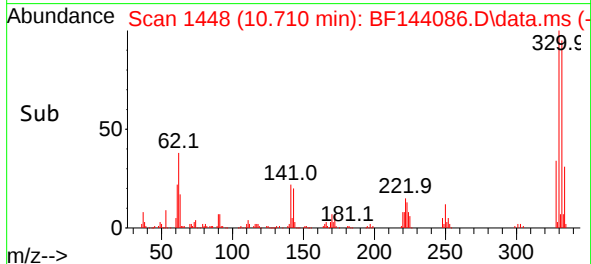
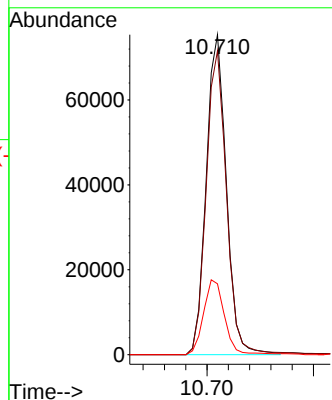
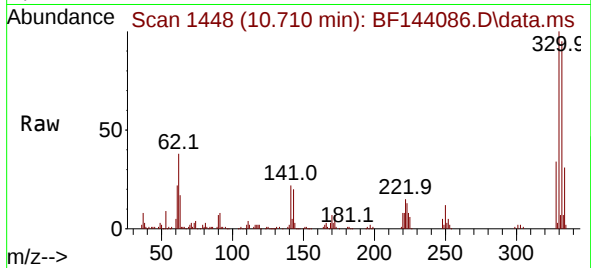




#42
 2,4,6-Tribromophenol
 Concen: 82.651 ng
 RT: 10.710 min Scan# 1448
 Delta R.T. 0.000 min
 Lab File: BF144086.D
 Acq: 27 Oct 2025 16:33

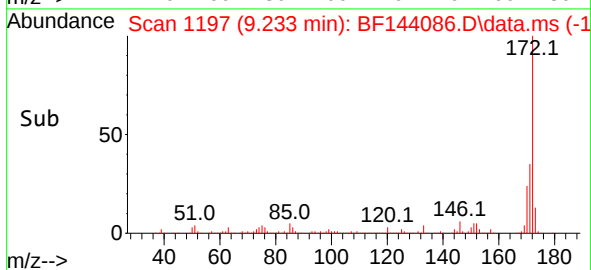
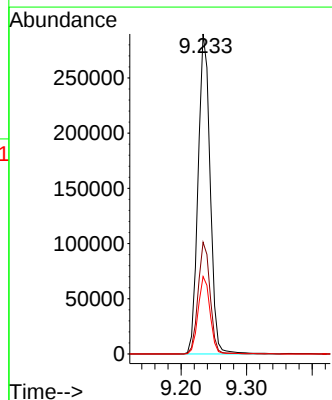
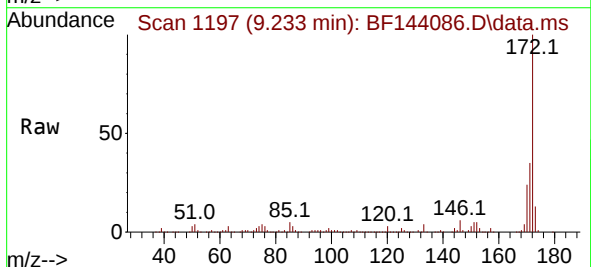
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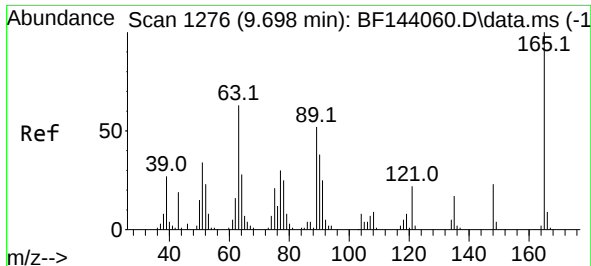
Tgt Ion:330 Resp: 98872
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.0 115.6
 141 24.6 19.4 29.0



#45
 2-Fluorobiphenyl
 Concen: 55.677 ng
 RT: 9.233 min Scan# 1197
 Delta R.T. -0.006 min
 Lab File: BF144086.D
 Acq: 27 Oct 2025 16:33

Tgt Ion:172 Resp: 371566
 Ion Ratio Lower Upper
 172 100
 171 34.9 27.5 41.3
 170 24.2 19.0 28.6

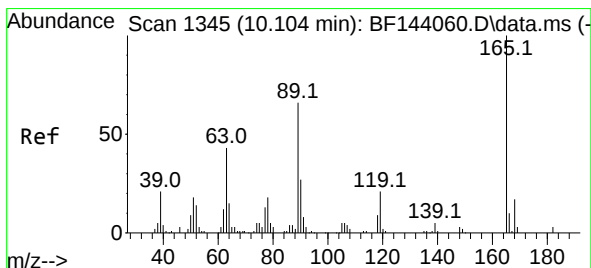
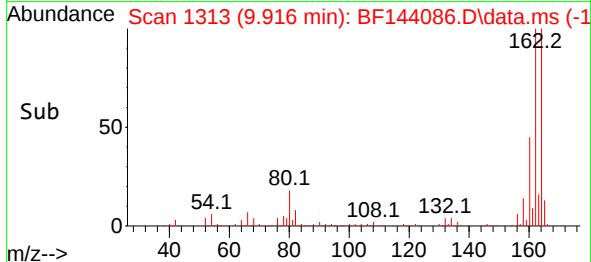
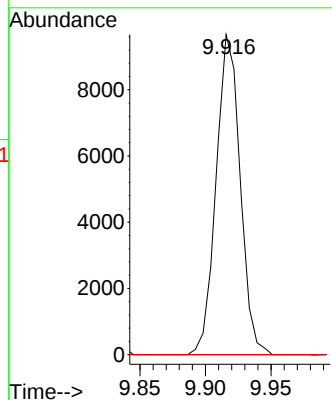
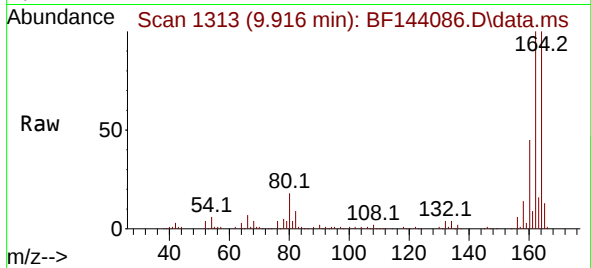




#51
2,6-Dinitrotoluene
Concen: 10.102 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF144086.D
Acq: 27 Oct 2025 16:33

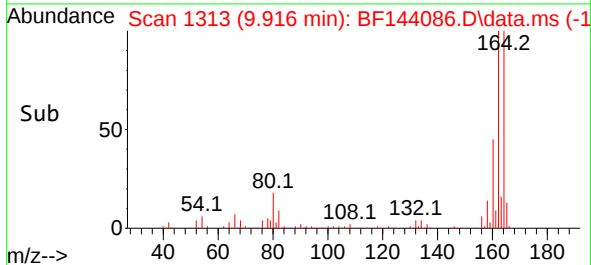
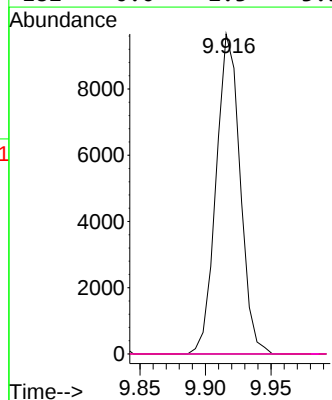
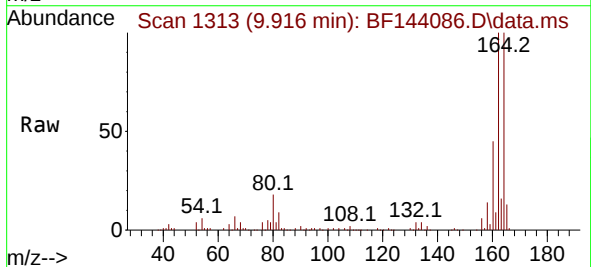
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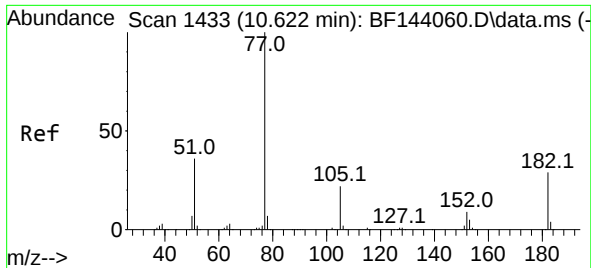
Tgt Ion:165 Resp: 12293
Ion Ratio Lower Upper
165 100
63 0.0 50.4 75.6#
89 0.0 41.4 62.2#



#57
2,4-Dinitrotoluene
Concen: 7.485 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.188 min
Lab File: BF144086.D
Acq: 27 Oct 2025 16:33

Tgt Ion:165 Resp: 12293
Ion Ratio Lower Upper
165 100
63 0.0 35.4 53.2#
89 0.0 52.7 79.1#
182 0.0 2.3 3.5#

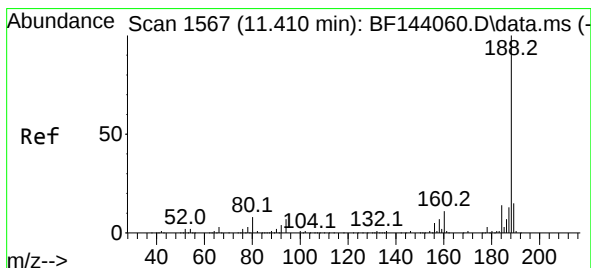
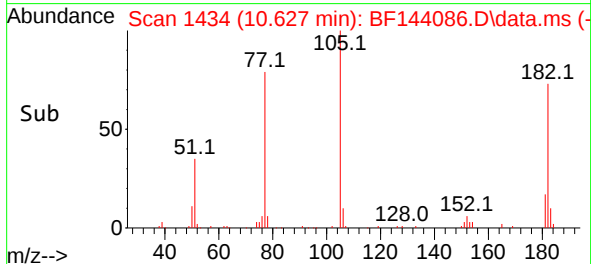
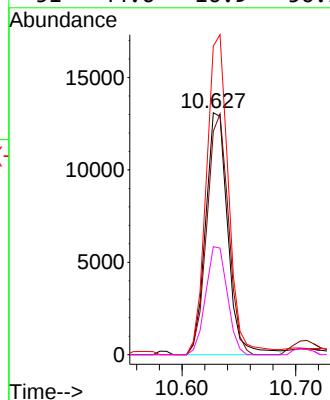
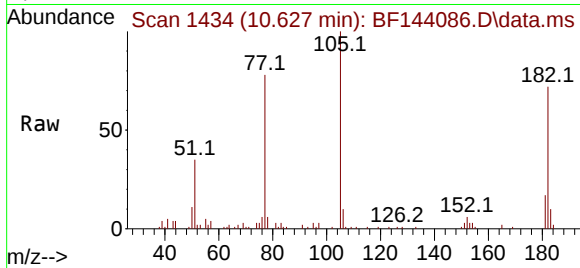




#63
Azobenzene
Concen: 3.234 ng
RT: 10.627 min Scan# 1433
Delta R.T. 0.006 min
Lab File: BF144086.D
Acq: 27 Oct 2025 16:33

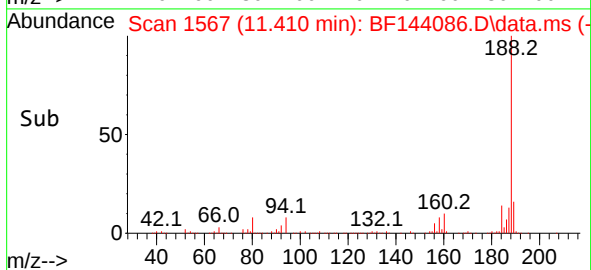
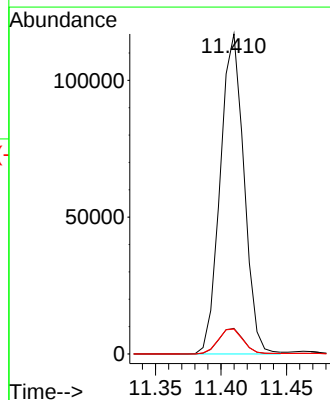
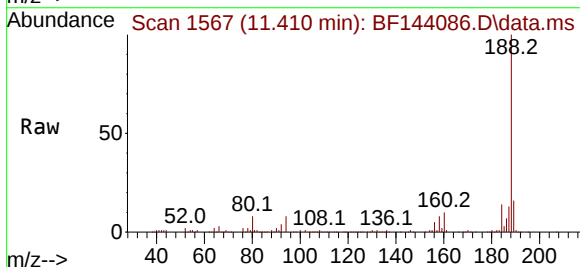
Instrument :
BNA_F
ClientSampleId :
PR132-S07-000102-22510170

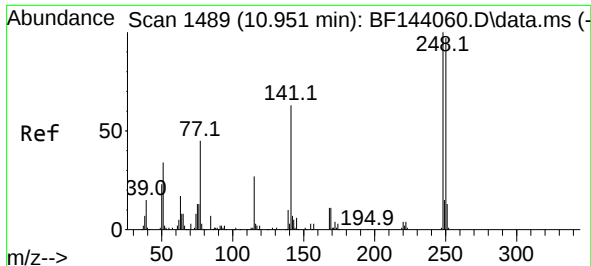
Tgt Ion: 77	Resp: 17717
Ion Ratio	Lower Upper
77 100	
182 92.4	9.0 49.0#
105 127.6	1.4 41.4#
51 44.6	16.9 56.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF144086.D
Acq: 27 Oct 2025 16:33

Tgt Ion: 188	Resp: 147369
Ion Ratio	Lower Upper
188 100	
94 8.0	5.4 8.0
80 7.8	6.0 9.0

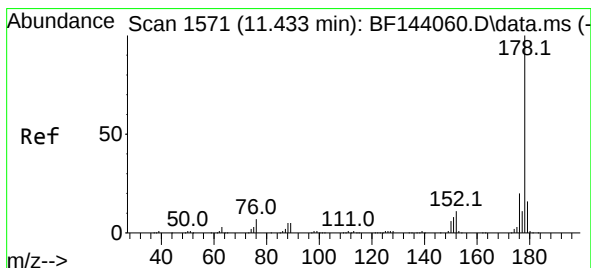
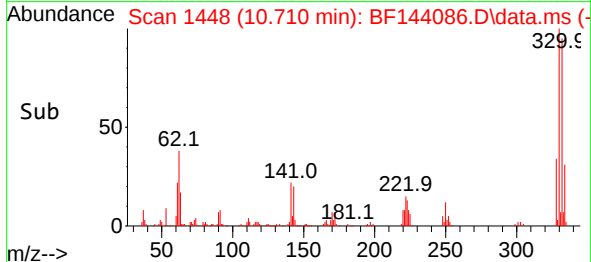
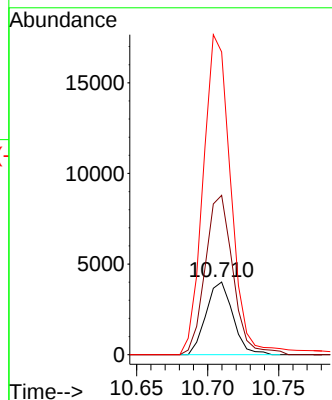
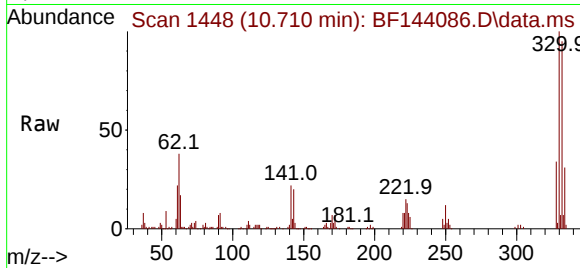




#67
4-Bromophenyl-phenylether
Concen: 2.852 ng
RT: 10.710 min Scan# 1489
Delta R.T. -0.241 min
Lab File: BF144086.D
Acq: 27 Oct 2025 16:33

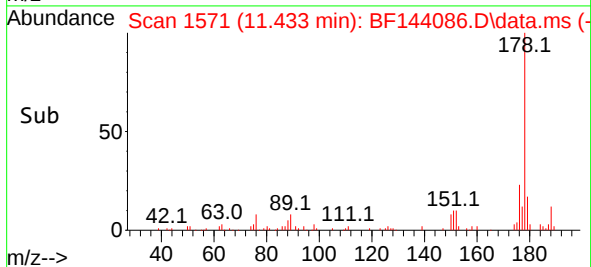
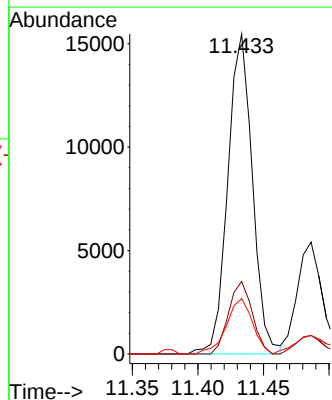
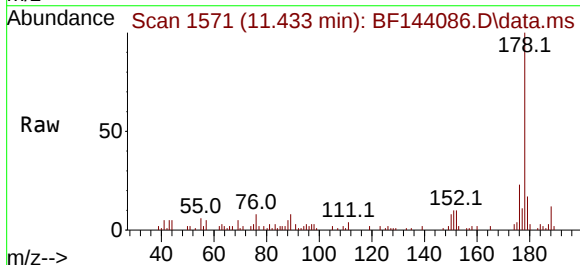
Instrument :
BNA_F
ClientSampleId :
PR132-S07-000102-22510170

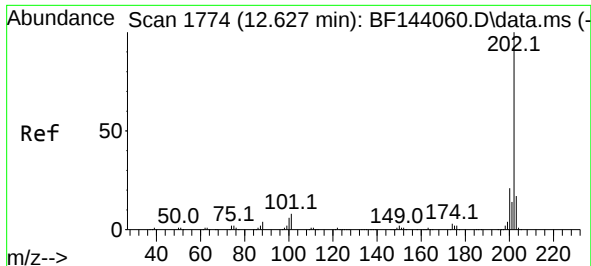
Tgt Ion:248 Resp: 5262
Ion Ratio Lower Upper
248 100
250 219.3 77.8 116.6#
141 416.5 50.5 75.7#



#71
Phenanthrene
Concen: 2.761 ng
RT: 11.433 min Scan# 1571
Delta R.T. 0.000 min
Lab File: BF144086.D
Acq: 27 Oct 2025 16:33

Tgt Ion:178 Resp: 20215
Ion Ratio Lower Upper
178 100
176 22.6 16.3 24.5
179 17.3 12.6 18.8

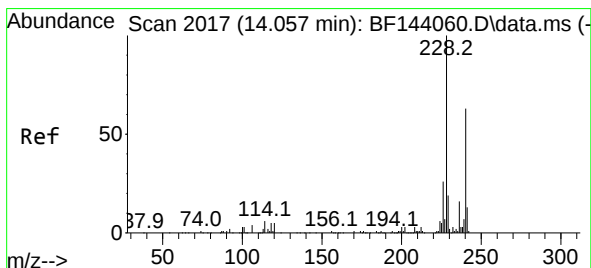
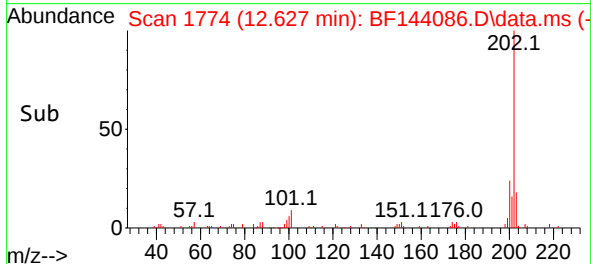
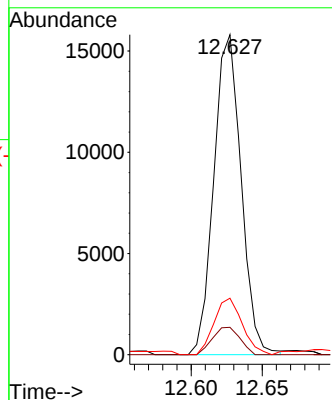
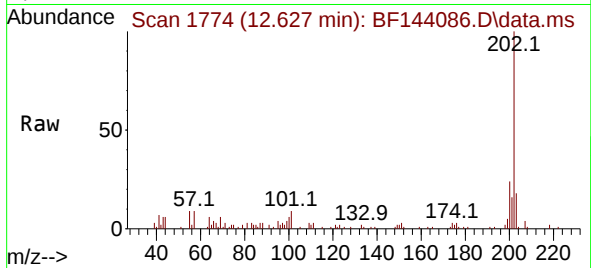




#75
Fluoranthene
Concen: 2.610 ng
RT: 12.627 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144086.D
Acq: 27 Oct 2025 16:33

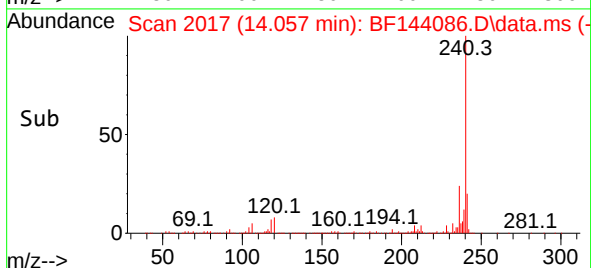
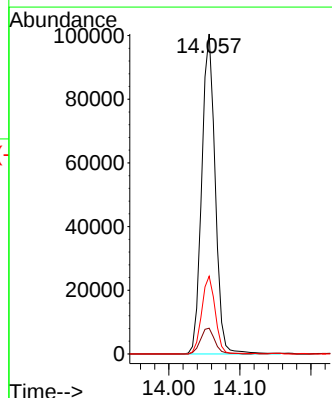
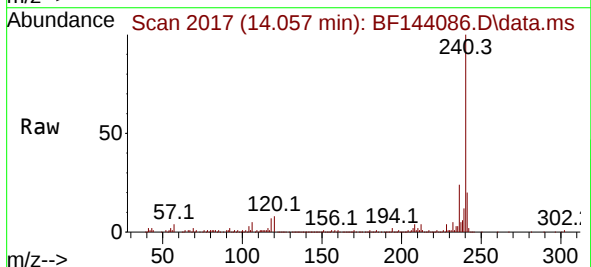
Instrument :
BNA_F
ClientSampleId :
PR132-S07-000102-22510170

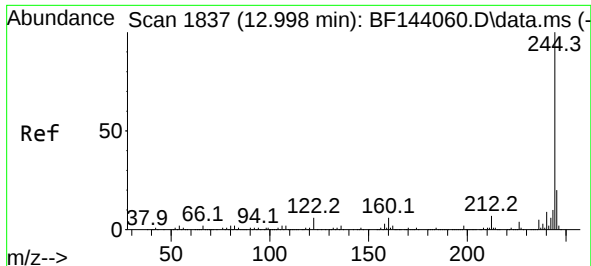
Tgt Ion:202 Resp: 21112
Ion Ratio Lower Upper
202 100
101 8.5 0.0 27.7
203 17.6 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF144086.D
Acq: 27 Oct 2025 16:33

Tgt Ion:240 Resp: 132745
Ion Ratio Lower Upper
240 100
120 8.1 6.5 9.7
236 24.3 20.1 30.1

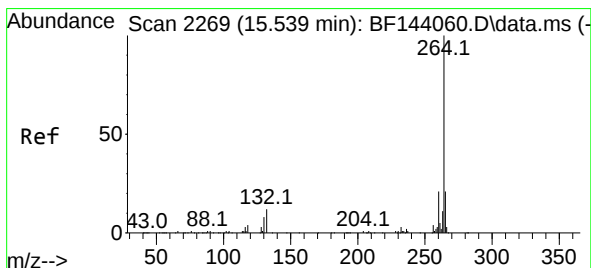
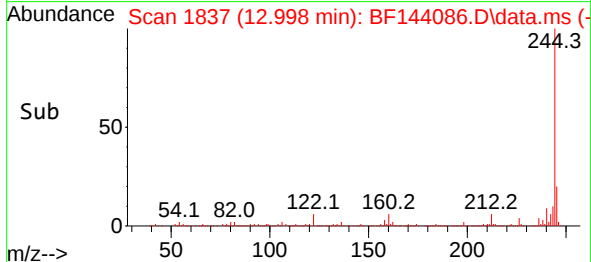
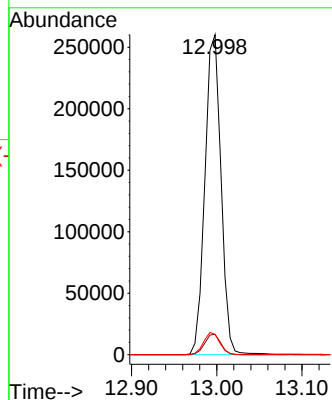
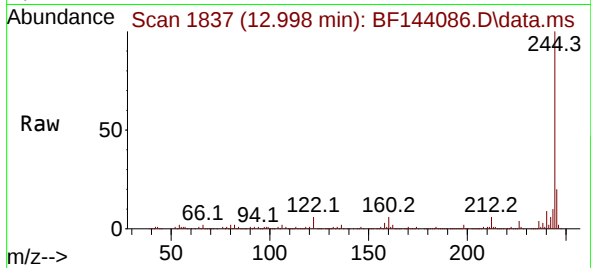




#79
 Terphenyl-d14
 Concen: 44.964 ng
 RT: 12.998 min Scan# 1837
 Delta R.T. 0.000 min
 Lab File: BF144086.D
 Acq: 27 Oct 2025 16:33

Instrument :
 BNA_F
 ClientSampleId :
 PR132-S07-000102-22510170

Tgt Ion:244 Resp: 341415
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.8 8.6
 122 6.3 4.9 7.3



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 2269
 Delta R.T. 0.000 min
 Lab File: BF144086.D
 Acq: 27 Oct 2025 16:33

Tgt Ion:264 Resp: 166960
 Ion Ratio Lower Upper
 264 100
 260 23.1 17.0 25.4
 265 22.2 16.6 24.8

