

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
 Data File : BF144139.D
 Acq On : 29 Oct 2025 20:29
 Operator : RC/JU
 Sample : Q3472-06 20X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

Quant Time: Oct 30 02:22:27 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)

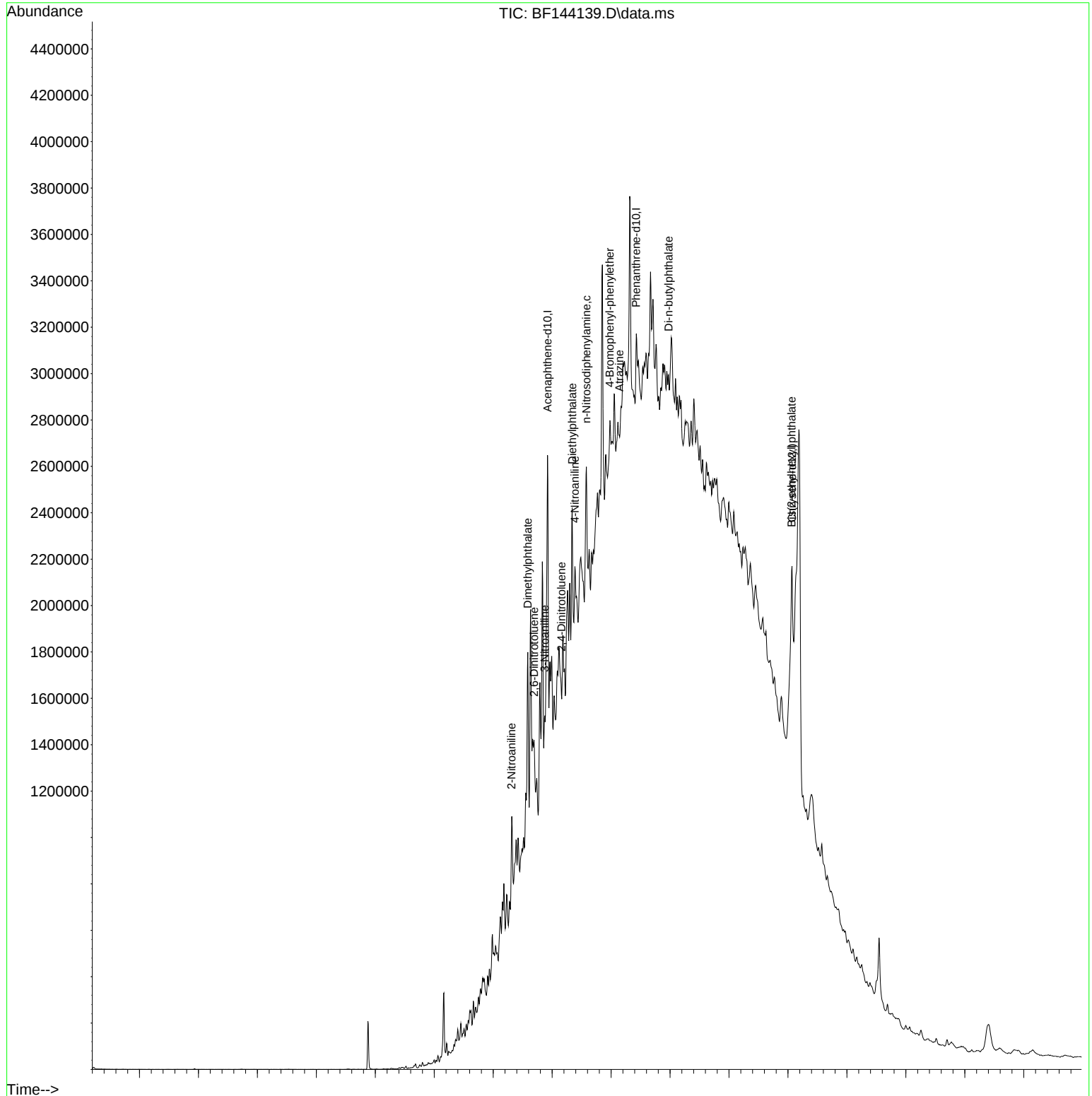
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	46200	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	170375	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	64452	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	94083	20.000	ng	# 0.01
76) Chrysene-d12	14.069	240	107672	20.000	ng	# 0.01
86) Perylene-d12	15.545	264	113777	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	786	0.269	ng	0.04
7) Phenol-d6	6.528	99	2168	0.672	ng	0.02
23) Nitrobenzene-d5	7.445	82	2895	0.931	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	1498	1.825	ng	0.02
45) 2-Fluorobiphenyl	9.234	172	11433	2.496	ng	0.00
79) Terphenyl-d14	13.010	244	10235	1.662	ng	0.01
Target Compounds						Qvalue
35) Caprolactam	8.581	113	1545	2.278	ng	# 1
46) 1,1'-Biphenyl	9.339	154	18361	3.980	ng	91
48) 2-Nitroaniline	9.310	65	2846	2.480	ng	86
50) Dimethylphthalate	9.587	163	55567	13.153	ng	# 81
51) 2,6-Dinitrotoluene	9.692	165	6444	7.716	ng	# 43
53) 3-Nitroaniline	9.875	138	6377	6.868	ng	# 34
57) 2,4-Dinitrotoluene	10.157	165	5245	4.653	ng	# 45
60) Diethylphthalate	10.339	149	11354	2.858	ng	# 35
62) 4-Nitroaniline	10.386	138	13334	15.155	ng	96
66) n-Nitrosodiphenylamine	10.581	169	9645	3.209	ng	# 78
67) 4-Bromophenyl-phenylether	10.975	248	2475	2.101	ng	# 1
69) Atrazine	11.139	200	7552	7.656	ng	# 1
74) Di-n-butylphthalate	11.975	149	14900	2.957	ng	# 32
84) Bis(2-ethylhexyl)phtha...	14.063	149	30876	7.723	ng	# 73

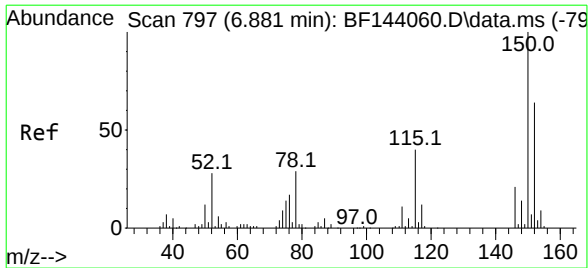
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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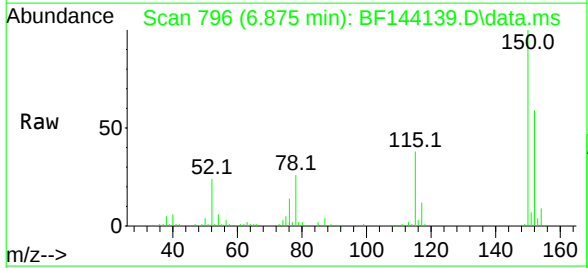
Quant Time: Oct 30 02:22:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
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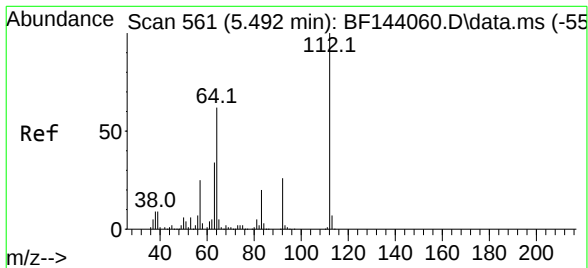
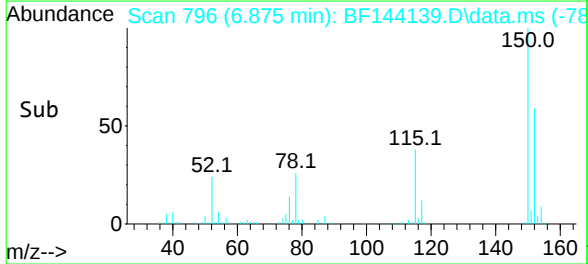
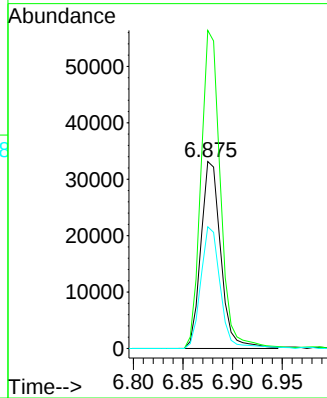


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 79
 Delta R.T. -0.006 min
 Lab File: BF144139.D
 Acq: 29 Oct 2025 20:29

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

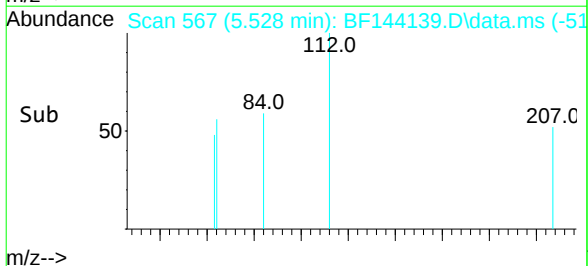
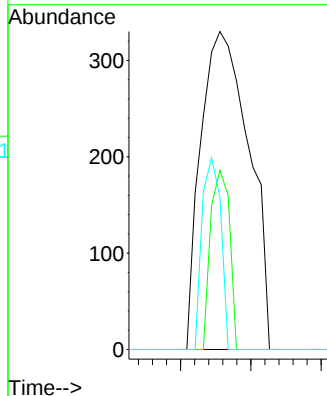
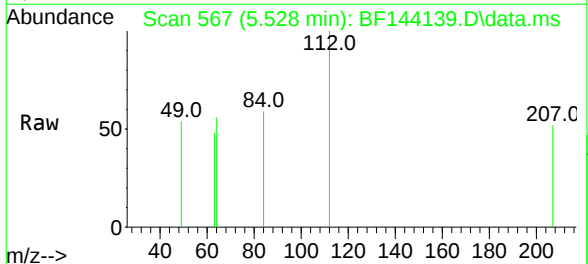


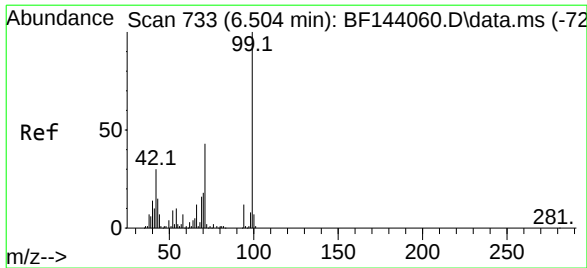
Tgt Ion:152 Resp: 46200
 Ion Ratio Lower Upper
 152 100
 150 170.1 124.4 186.6
 115 65.1 49.4 74.0



#5
 2-Fluorophenol
 Concen: 0.269 ng
 RT: 5.528 min Scan# 567
 Delta R.T. 0.035 min
 Lab File: BF144139.D
 Acq: 29 Oct 2025 20:29

Tgt Ion:112 Resp: 786
 Ion Ratio Lower Upper
 112 100
 64 56.4 49.8 74.8
 63 47.9 27.4 41.2#

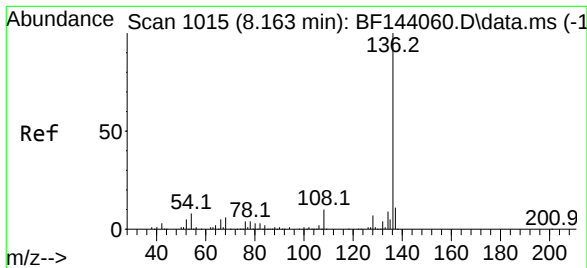
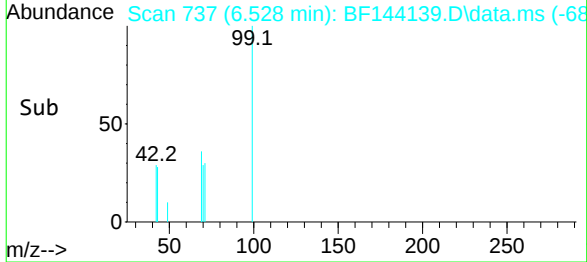
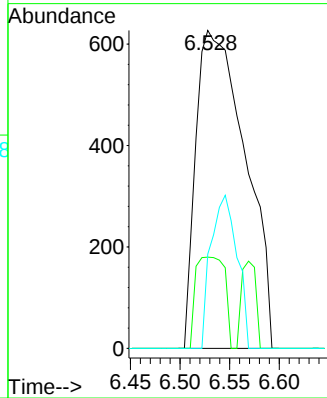
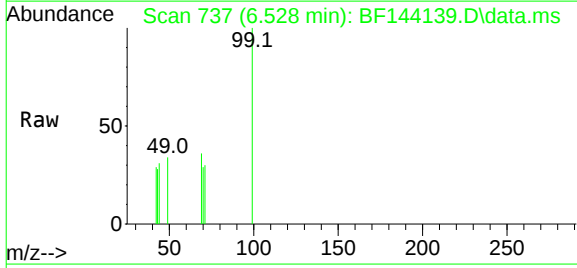




#7
Phenol-d6
Concen: 0.672 ng
RT: 6.528 min Scan# 733
Delta R.T. 0.024 min
Lab File: BF144139.D
Acq: 29 Oct 2025 20:29

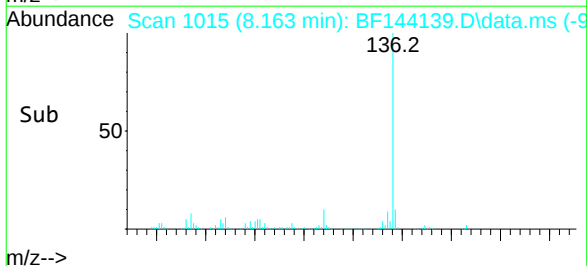
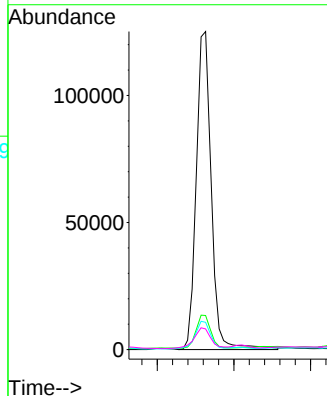
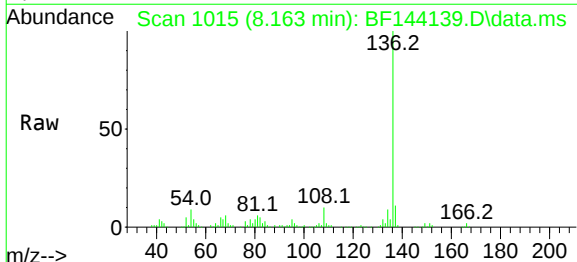
Instrument :
BNA_F
ClientSampleId :
COMP-2

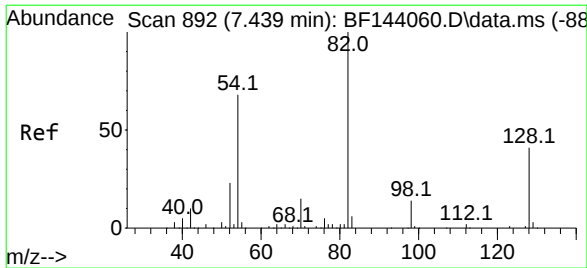
Tgt	Ion:	99	Resp:	2168
Ion	Ratio	Lower	Upper	
99	100			
42	28.7	23.9	35.9	
71	29.7	34.4	51.6	#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. 0.000 min
Lab File: BF144139.D
Acq: 29 Oct 2025 20:29

Tgt	Ion:	136	Resp:	170375
Ion	Ratio	Lower	Upper	
136	100			
137	10.7	8.6	13.0	
54	8.6	6.6	9.8	
68	6.5	4.6	6.8	

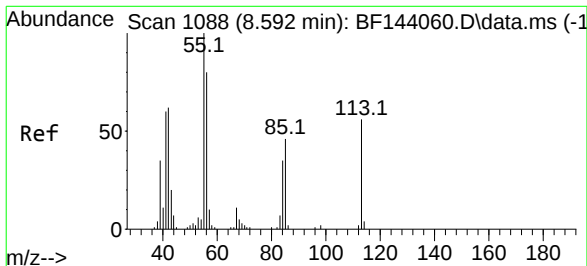
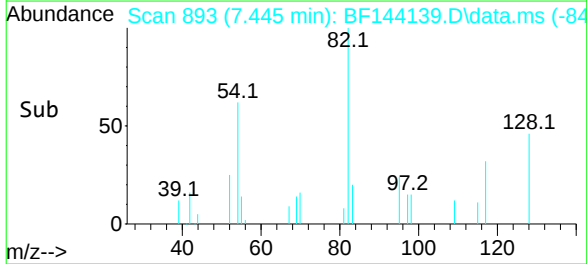
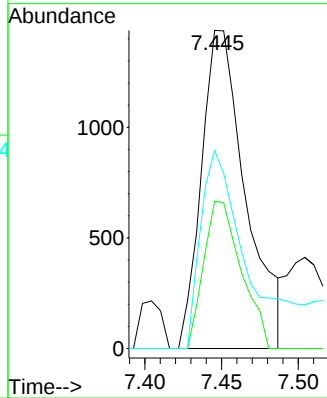
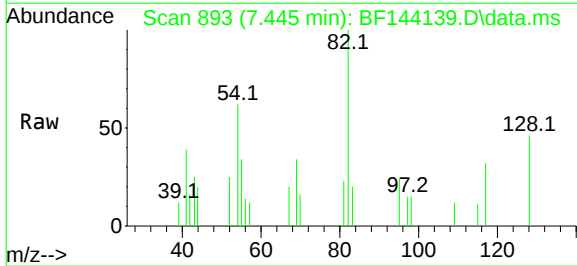




#23
Nitrobenzene-d5
Concen: 0.931 ng
RT: 7.445 min Scan# 89
Delta R.T. 0.006 min
Lab File: BF144139.D
Acq: 29 Oct 2025 20:29

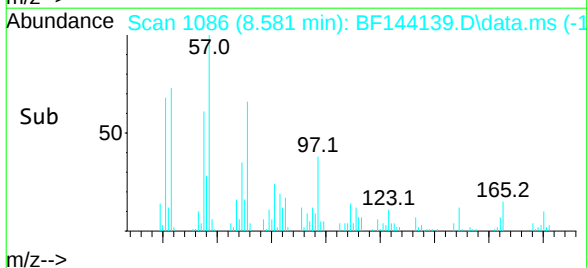
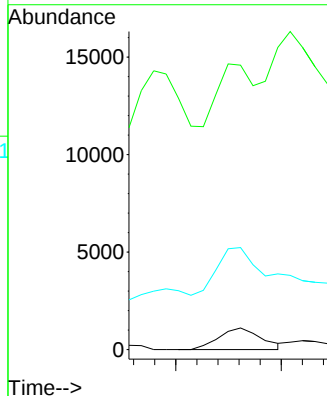
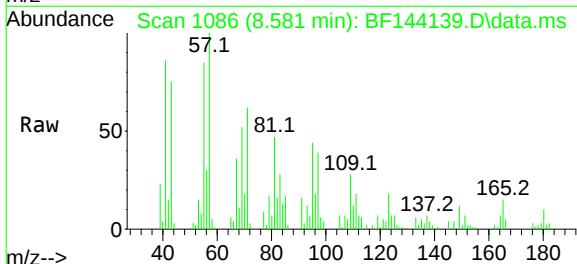
Instrument :
BNA_F
ClientSampleId :
COMP-2

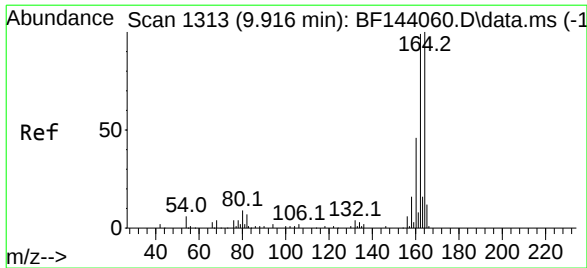
Tgt Ion: 82	Resp: 2895
Ion Ratio	Lower Upper
82 100	
128 46.3	32.4 48.6
54 62.2	54.0 81.0



#35
Caprolactam
Concen: 2.278 ng
RT: 8.581 min Scan# 1086
Delta R.T. -0.012 min
Lab File: BF144139.D
Acq: 29 Oct 2025 20:29

Tgt Ion: 113	Resp: 1545
Ion Ratio	Lower Upper
113 100	
55 1316.3	160.1 200.1#
56 472.2	124.9 164.9#

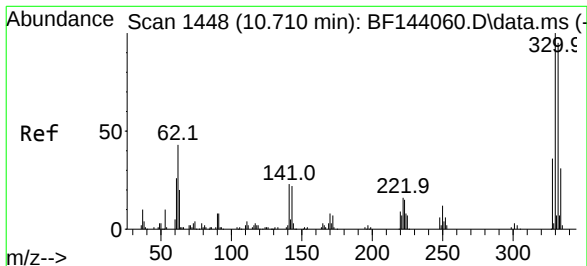
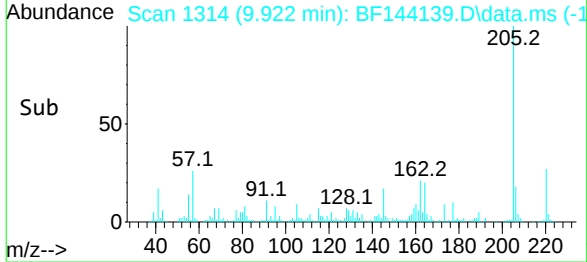
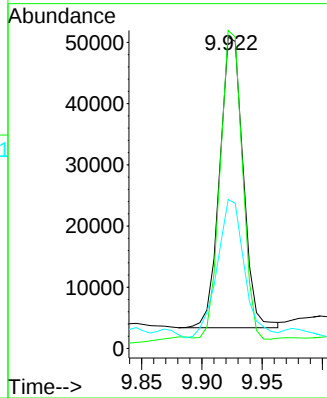
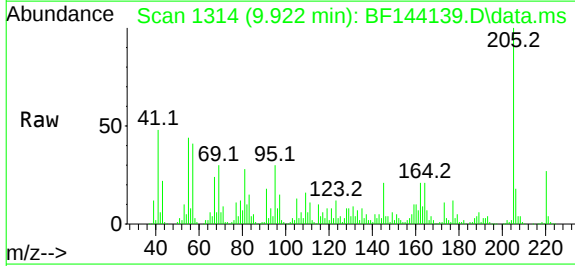




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1313
Delta R.T. 0.006 min
Lab File: BF144139.D
Acq: 29 Oct 2025 20:29

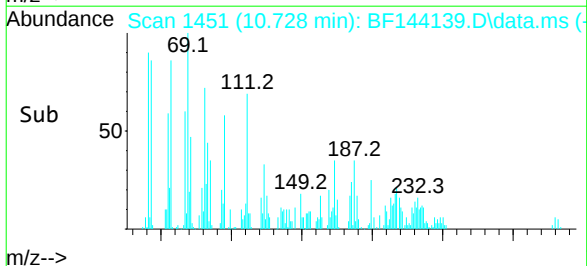
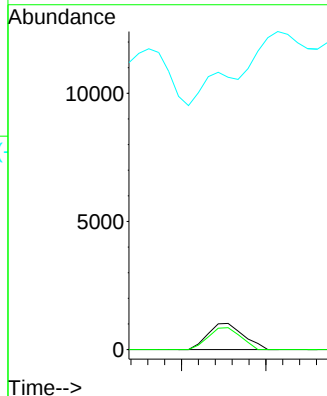
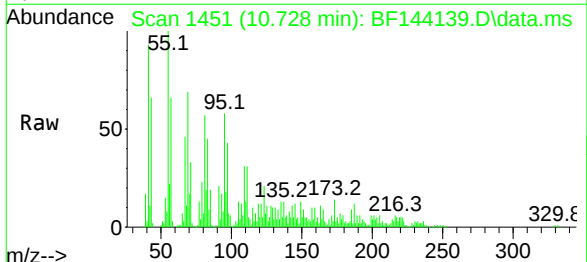
Instrument :
BNA_F
ClientSampleId :
COMP-2

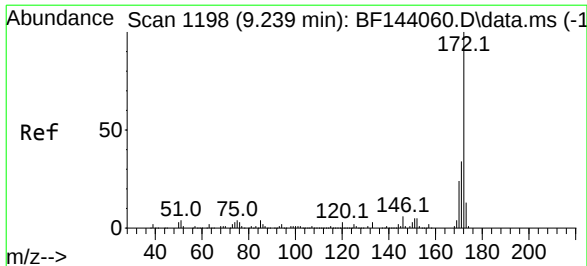
Tgt Ion:164 Resp: 64452
Ion Ratio Lower Upper
164 100
162 102.2 79.4 119.2
160 47.8 36.7 55.1



#42
2,4,6-Tribromophenol
Concen: 1.825 ng
RT: 10.728 min Scan# 1451
Delta R.T. 0.018 min
Lab File: BF144139.D
Acq: 29 Oct 2025 20:29

Tgt Ion:330 Resp: 1498
Ion Ratio Lower Upper
330 100
332 76.0 77.0 115.6#
141 119.0 19.4 29.0#





#45

2-Fluorobiphenyl

Concen: 2.496 ng

RT: 9.234 min Scan# 1197

Delta R.T. -0.006 min

Lab File: BF144139.D

Acq: 29 Oct 2025 20:29

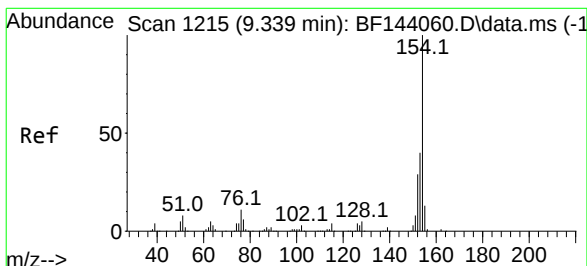
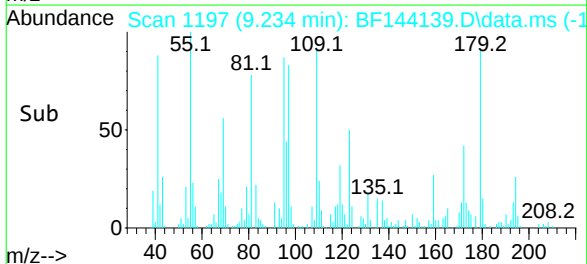
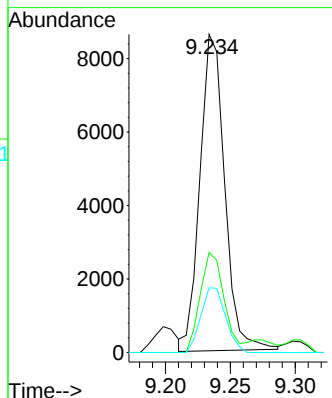
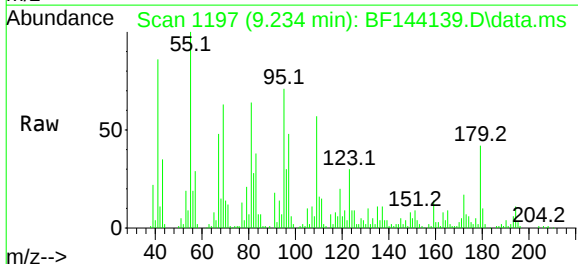
Instrument :

BNA_F

ClientSampleId :

COMP-2

Tgt Ion:	172	Resp:	11433
Ion Ratio	Lower	Upper	
172	100		
171	31.5	27.5	41.3
170	20.3	19.0	28.6



#46

1,1'-Biphenyl

Concen: 3.980 ng

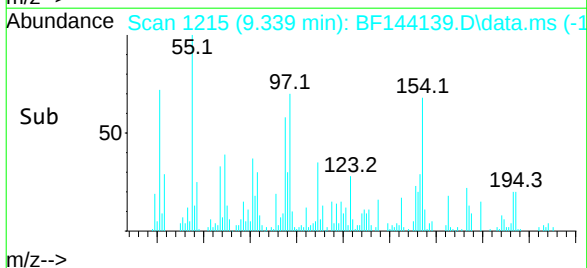
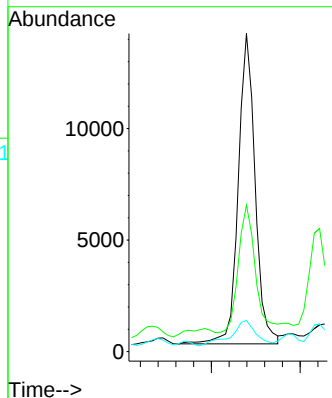
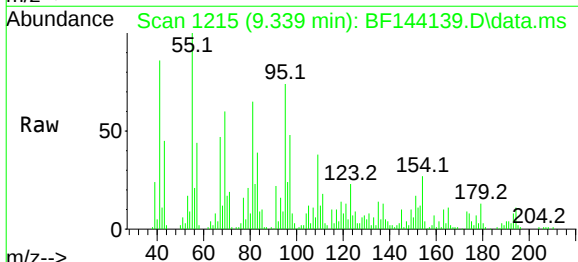
RT: 9.339 min Scan# 1215

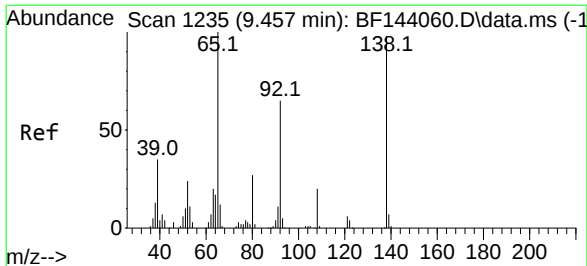
Delta R.T. 0.000 min

Lab File: BF144139.D

Acq: 29 Oct 2025 20:29

Tgt Ion:	154	Resp:	18361
Ion Ratio	Lower	Upper	
154	100		
153	46.0	19.7	59.7
76	9.8	0.0	31.1

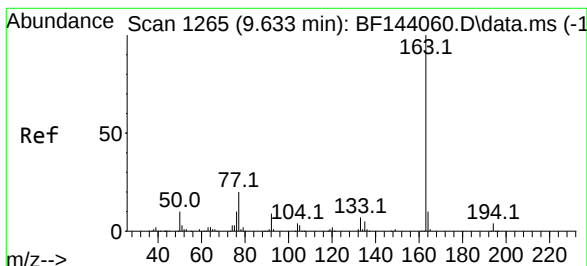
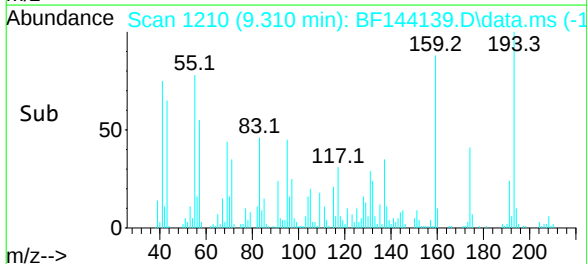
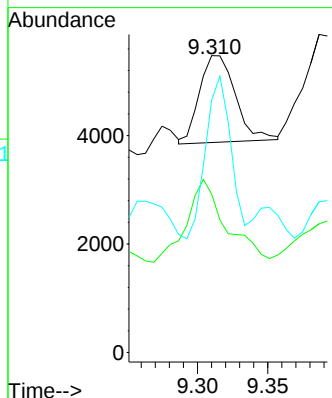
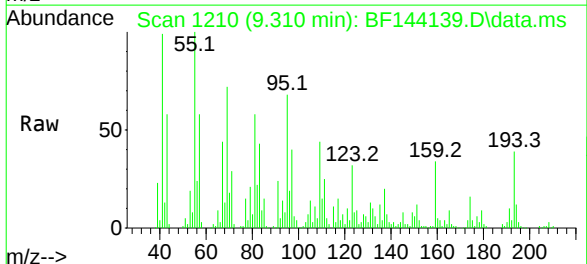




#48
2-Nitroaniline
Concen: 2.480 ng
RT: 9.310 min Scan# 12
Delta R.T. -0.147 min
Lab File: BF144139.D
Acq: 29 Oct 2025 20:29

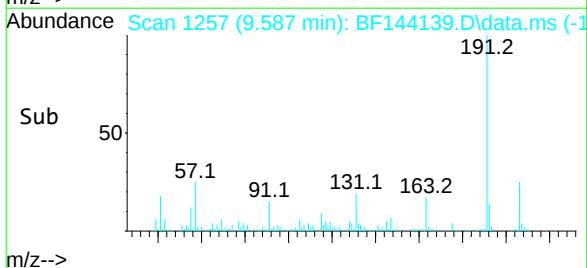
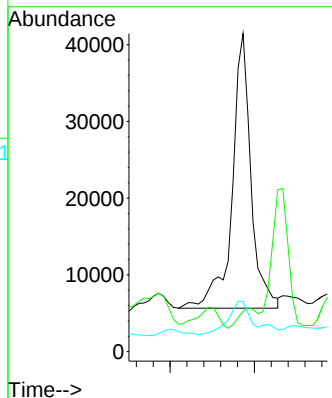
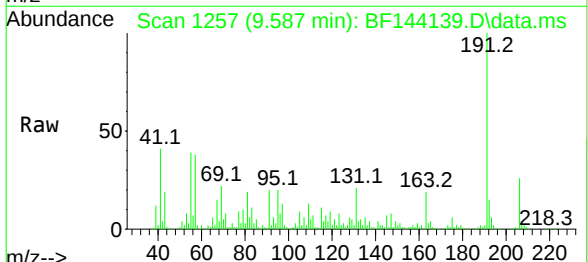
Instrument :
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ClientSampleId :
COMP-2

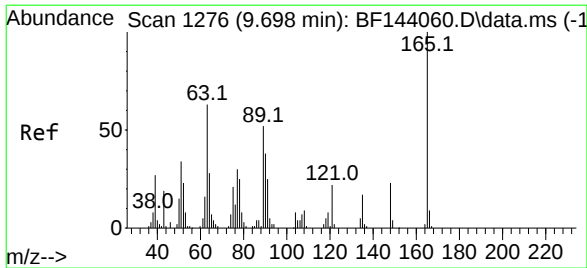
Tgt Ion: 65 Resp: 2846
Ion Ratio Lower Upper
65 100
92 53.4 52.3 78.5
138 85.1 78.3 117.5



#50
Dimethylphthalate
Concen: 13.153 ng
RT: 9.587 min Scan# 1257
Delta R.T. -0.047 min
Lab File: BF144139.D
Acq: 29 Oct 2025 20:29

Tgt Ion: 163 Resp: 55567
Ion Ratio Lower Upper
163 100
194 12.7 3.4 5.0#
164 15.7 7.8 11.8#

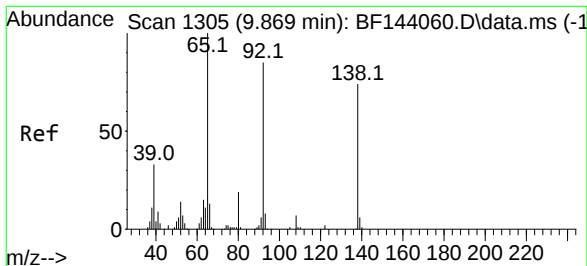
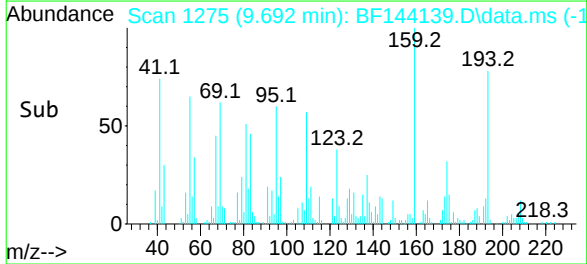
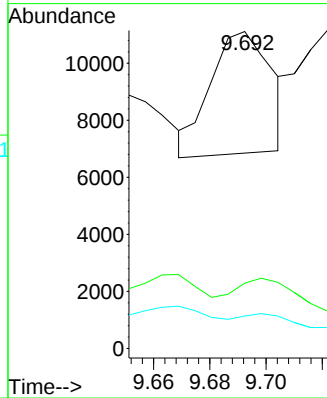
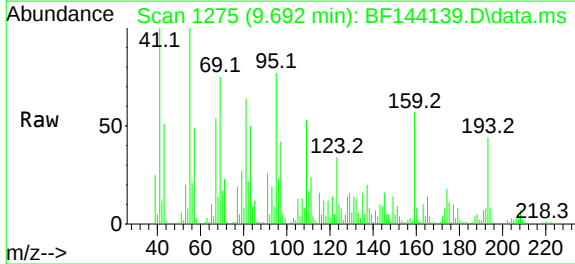




#51
2,6-Dinitrotoluene
Concen: 7.716 ng
RT: 9.692 min Scan# 1275
Delta R.T. -0.006 min
Lab File: BF144139.D
Acq: 29 Oct 2025 20:29

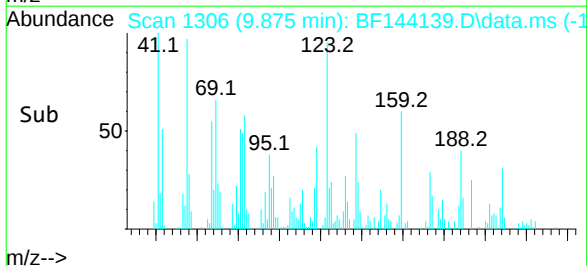
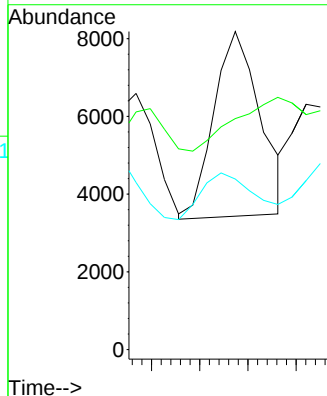
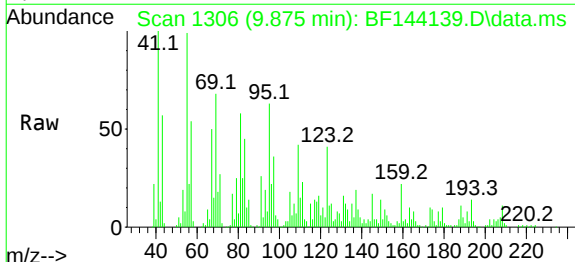
Instrument :
BNA_F
ClientSampleId :
COMP-2

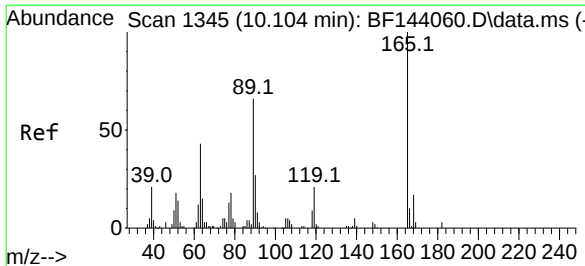
Tgt Ion:165 Resp: 6444
Ion Ratio Lower Upper
165 100
63 20.6 50.4 75.6#
89 10.2 41.4 62.2#



#53
3-Nitroaniline
Concen: 6.868 ng
RT: 9.875 min Scan# 1306
Delta R.T. 0.006 min
Lab File: BF144139.D
Acq: 29 Oct 2025 20:29

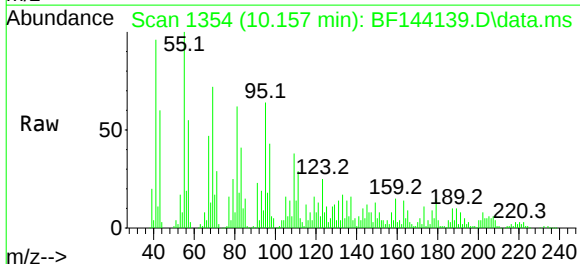
Tgt Ion:138 Resp: 6377
Ion Ratio Lower Upper
138 100
108 72.6 7.9 11.9#
92 53.6 92.0 138.0#



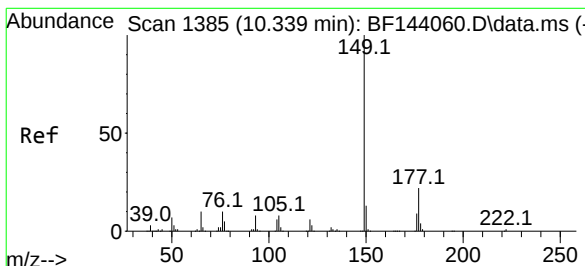
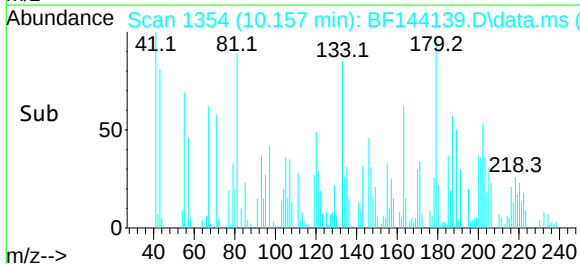
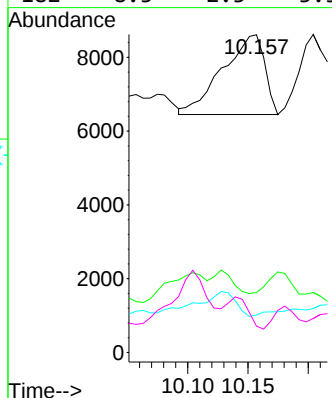


#57
2,4-Dinitrotoluene
Concen: 4.653 ng
RT: 10.157 min Scan# 1345
Delta R.T. 0.053 min
Lab File: BF144139.D
Acq: 29 Oct 2025 20:29

Instrument :
BNA_F
ClientSampleId :
COMP-2

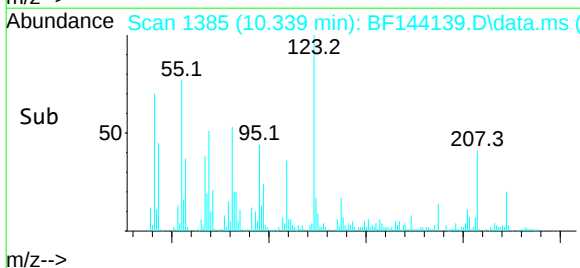
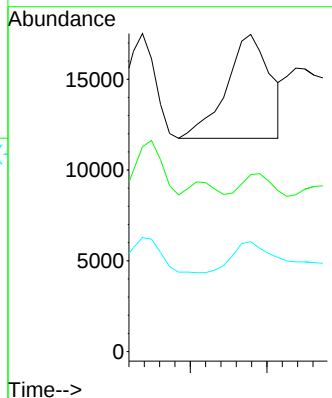
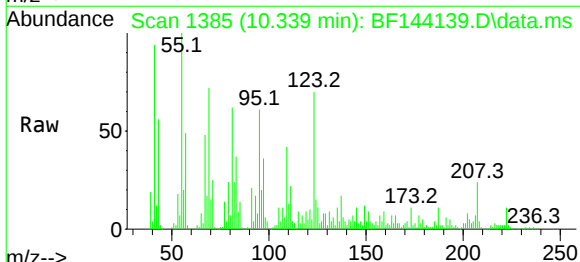


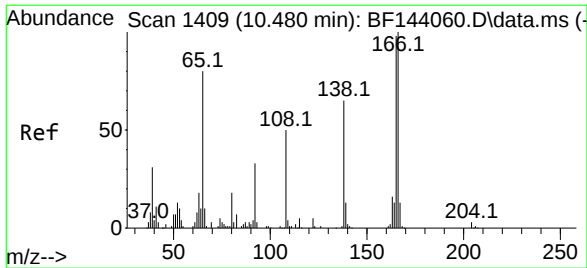
Tgt Ion:	165	Resp:	5245
Ion	Ratio	Lower	Upper
165	100		
63	18.9	35.4	53.2#
89	11.8	52.7	79.1#
182	8.3	2.3	3.5#



#60
Diethylphthalate
Concen: 2.858 ng
RT: 10.339 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BF144139.D
Acq: 29 Oct 2025 20:29

Tgt Ion:	149	Resp:	11354
Ion	Ratio	Lower	Upper
149	100		
177	55.8	17.8	26.6#
150	34.6	10.1	15.1#

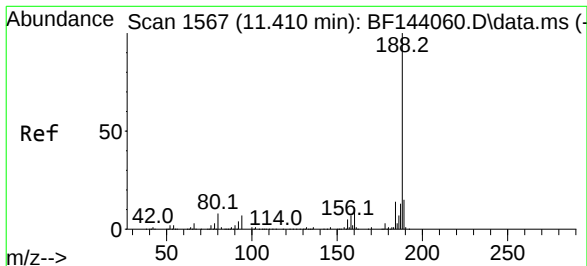
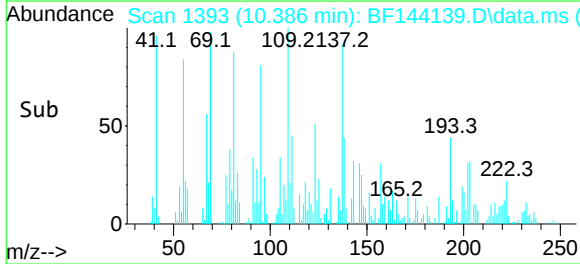
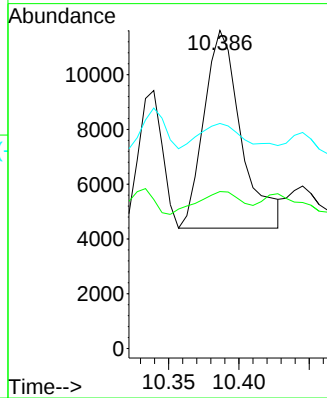
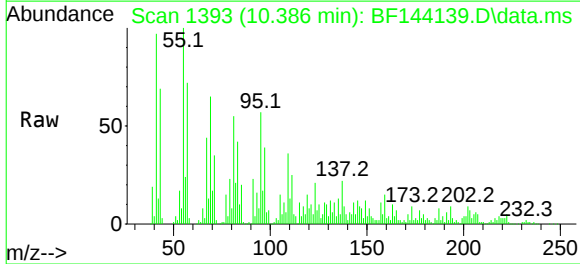




#62
4-Nitroaniline
Concen: 15.155 ng
RT: 10.386 min Scan# 13
Delta R.T. -0.094 min
Lab File: BF144139.D
Acq: 29 Oct 2025 20:29

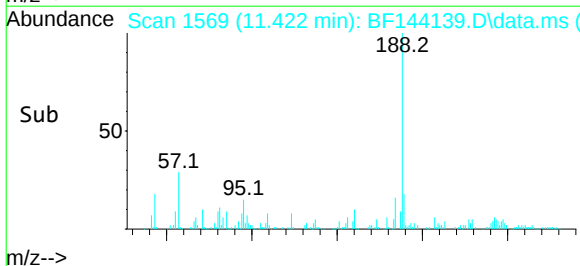
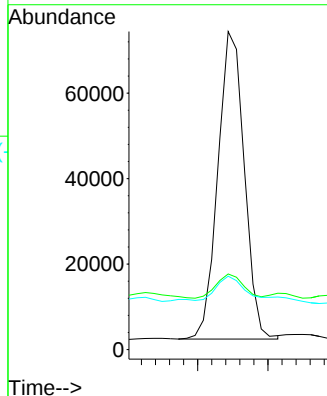
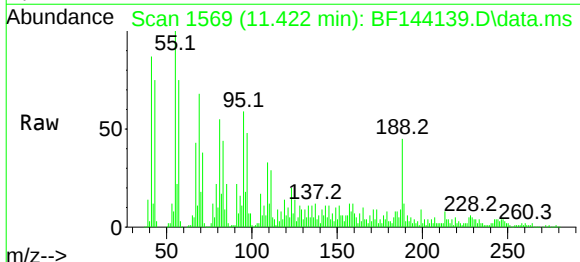
Instrument :
BNA_F
ClientSampleId :
COMP-2

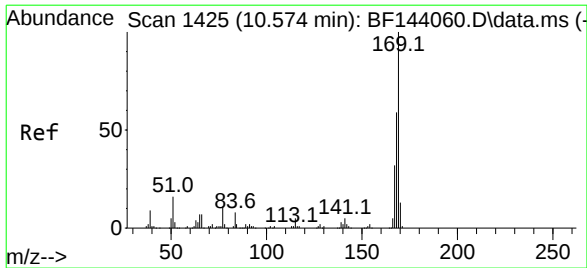
Tgt Ion:138 Resp: 13334
Ion Ratio Lower Upper
138 100
92 49.3 30.5 70.5
108 70.7 56.2 96.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. 0.012 min
Lab File: BF144139.D
Acq: 29 Oct 2025 20:29

Tgt Ion:188 Resp: 94083
Ion Ratio Lower Upper
188 100
94 23.8 5.4 8.0#
80 23.1 6.0 9.0#





#66

n-Nitrosodiphenylamine

Concen: 3.209 ng

RT: 10.581 min Scan# 1425

Delta R.T. 0.006 min

Lab File: BF144139.D

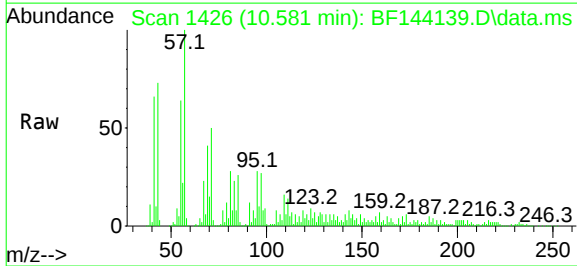
Acq: 29 Oct 2025 20:29

Instrument :

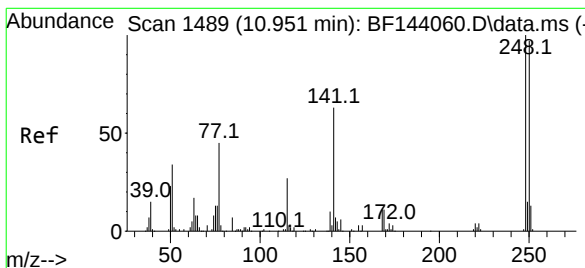
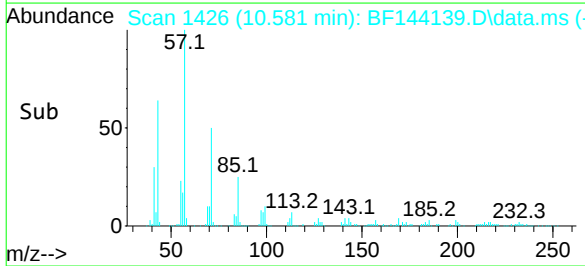
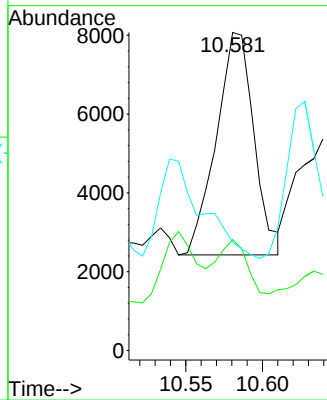
BNA_F

ClientSampleId :

COMP-2



Tgt Ion:	169	Resp:	9645
Ion	Ratio	Lower	Upper
169	100		
168	34.9	47.4	71.2#
167	34.0	25.5	38.3



#67

4-Bromophenyl-phenylether

Concen: 2.101 ng

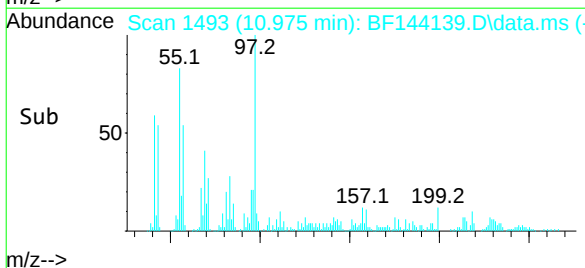
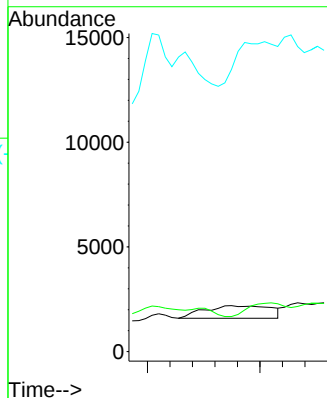
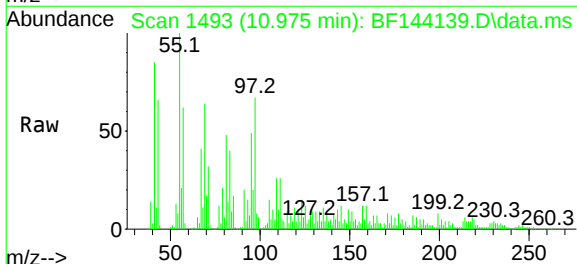
RT: 10.975 min Scan# 1493

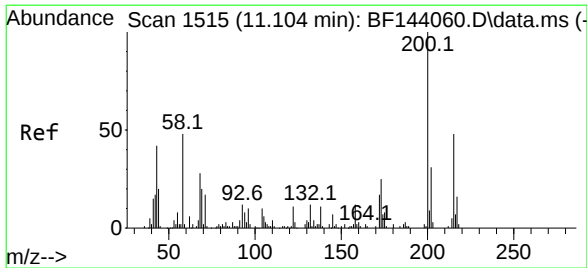
Delta R.T. 0.024 min

Lab File: BF144139.D

Acq: 29 Oct 2025 20:29

Tgt Ion:	248	Resp:	2475
Ion	Ratio	Lower	Upper
248	100		
250	76.3	77.8	116.6#
141	614.3	50.5	75.7#





#69

Atrazine

Concen: 7.656 ng

RT: 11.139 min Scan# 1515

Delta R.T. 0.036 min

Lab File: BF144139.D

Acq: 29 Oct 2025 20:29

Instrument :

BNA_F

ClientSampleId :

COMP-2

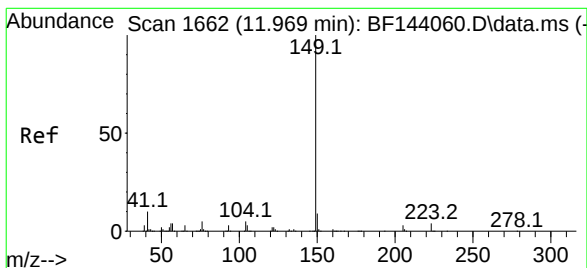
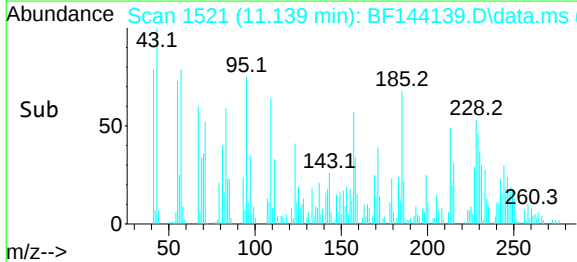
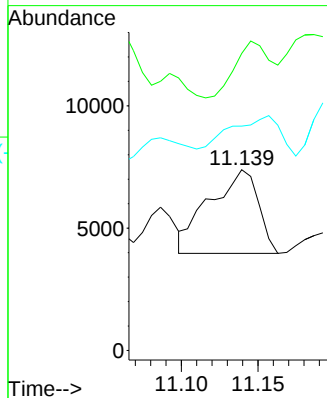
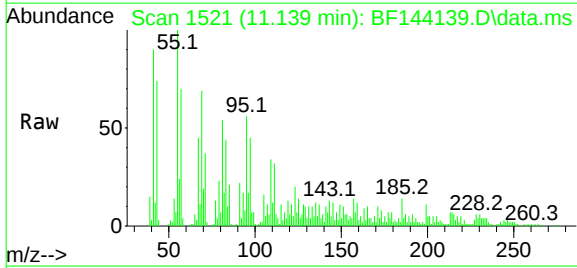
Tgt Ion:200 Resp: 7552

Ion	Ratio	Lower	Upper
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200	100		
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173	164.3	4.9	44.9#
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215	124.1	28.2	68.2#
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#74

Di-n-butylphthalate

Concen: 2.957 ng

RT: 11.975 min Scan# 1663

Delta R.T. 0.006 min

Lab File: BF144139.D

Acq: 29 Oct 2025 20:29

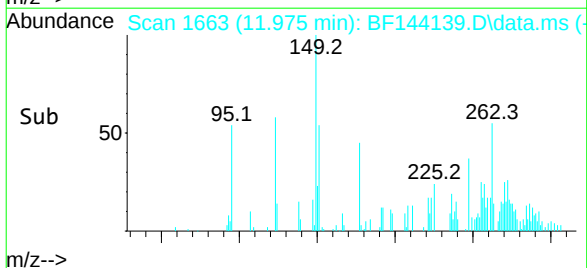
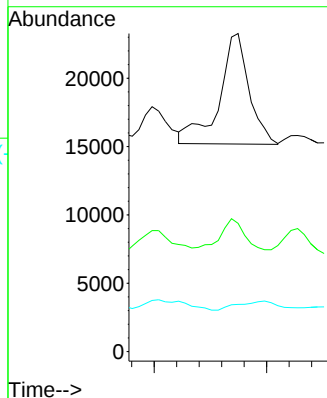
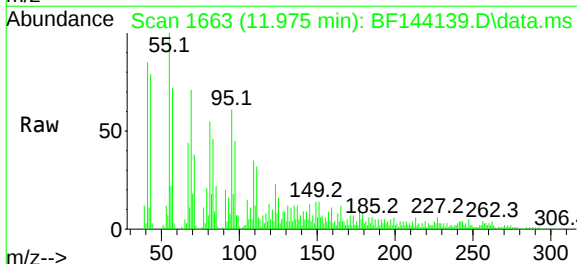
Tgt Ion:149 Resp: 14900

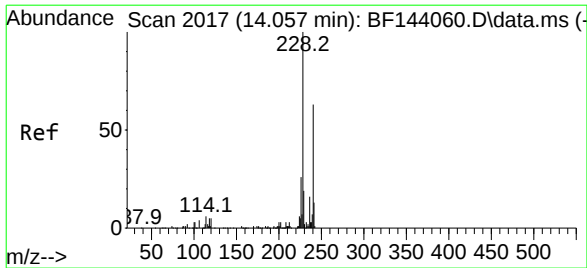
Ion	Ratio	Lower	Upper
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149	100		
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150	40.3	7.3	10.9#
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104	14.8	3.6	5.4#
-----	------	-----	------

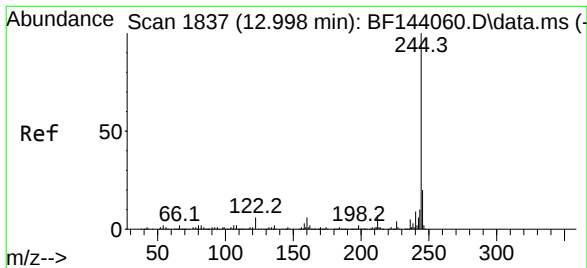
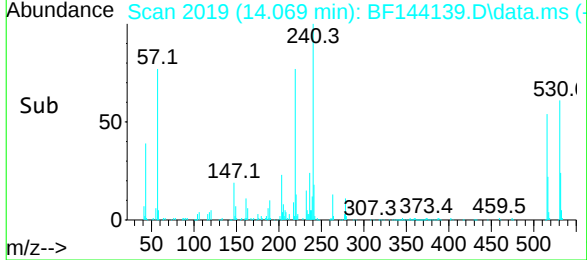
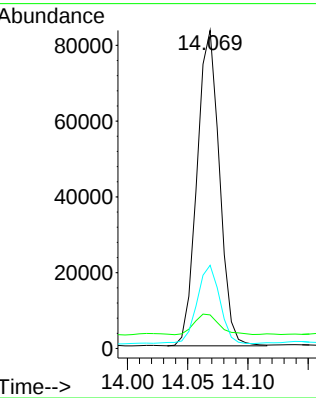
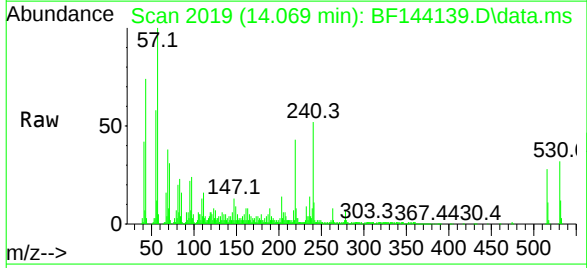




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2017
Delta R.T. 0.012 min
Lab File: BF144139.D
Acq: 29 Oct 2025 20:29

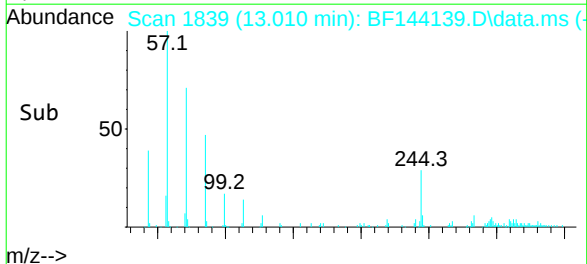
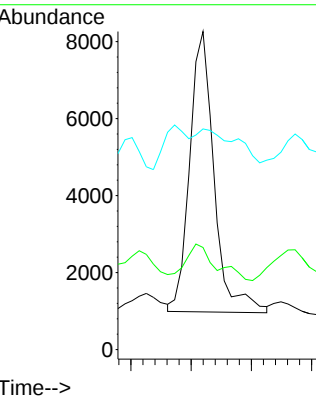
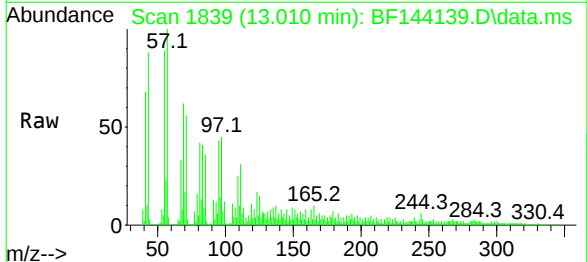
Instrument :
BNA_F
ClientSampleId :
COMP-2

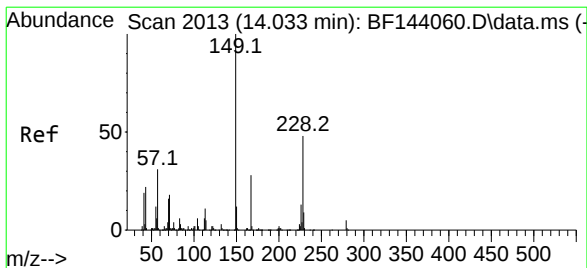
Tgt Ion:240 Resp: 107672
Ion Ratio Lower Upper
240 100
120 10.6 6.5 9.7#
236 26.2 20.1 30.1



#79
Terphenyl-d14
Concen: 1.662 ng
RT: 13.010 min Scan# 1839
Delta R.T. 0.012 min
Lab File: BF144139.D
Acq: 29 Oct 2025 20:29

Tgt Ion:244 Resp: 10235
Ion Ratio Lower Upper
244 100
212 32.1 5.8 8.6#
122 69.4 4.9 7.3#





#84

Bis(2-ethylhexyl)phthalate

Concen: 7.723 ng

RT: 14.063 min Scan# 20

Delta R.T. 0.030 min

Lab File: BF144139.D

Acq: 29 Oct 2025 20:29

Instrument :

BNA_F

ClientSampleId :

COMP-2

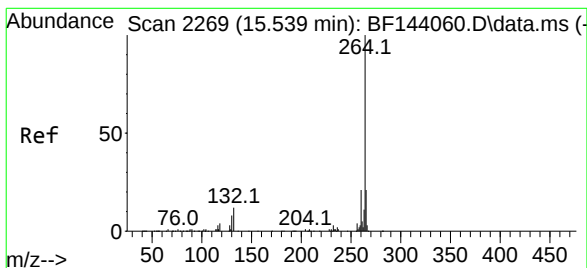
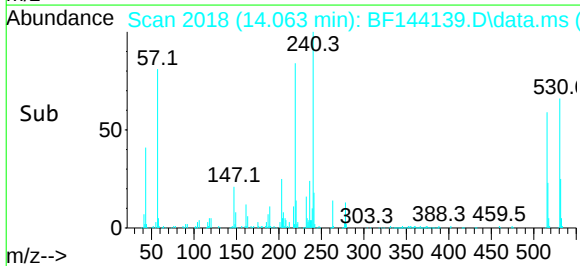
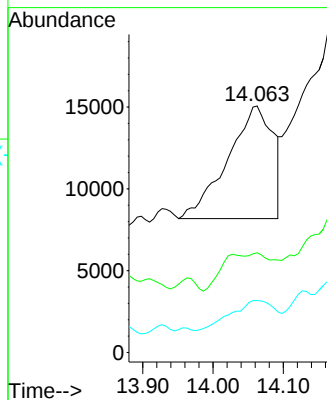
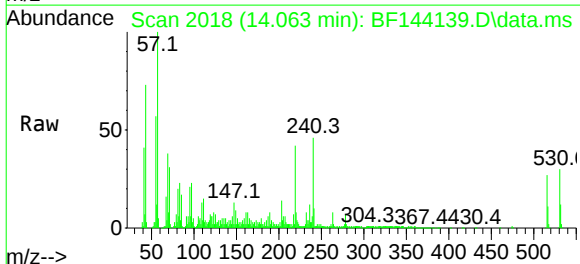
Tgt Ion:149 Resp: 30876

Ion Ratio Lower Upper

149 100

167 40.5 22.5 33.7#

279 21.1 3.6 5.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2270

Delta R.T. 0.006 min

Lab File: BF144139.D

Acq: 29 Oct 2025 20:29

Tgt Ion:264 Resp: 113777

Ion Ratio Lower Upper

264 100

260 21.8 17.0 25.4

265 21.8 16.6 24.8

