

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
 Data File : BF144140.D
 Acq On : 29 Oct 2025 20:59
 Operator : RC/JU
 Sample : Q3472-08 20X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-3

Quant Time: Oct 30 02:22:48 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)

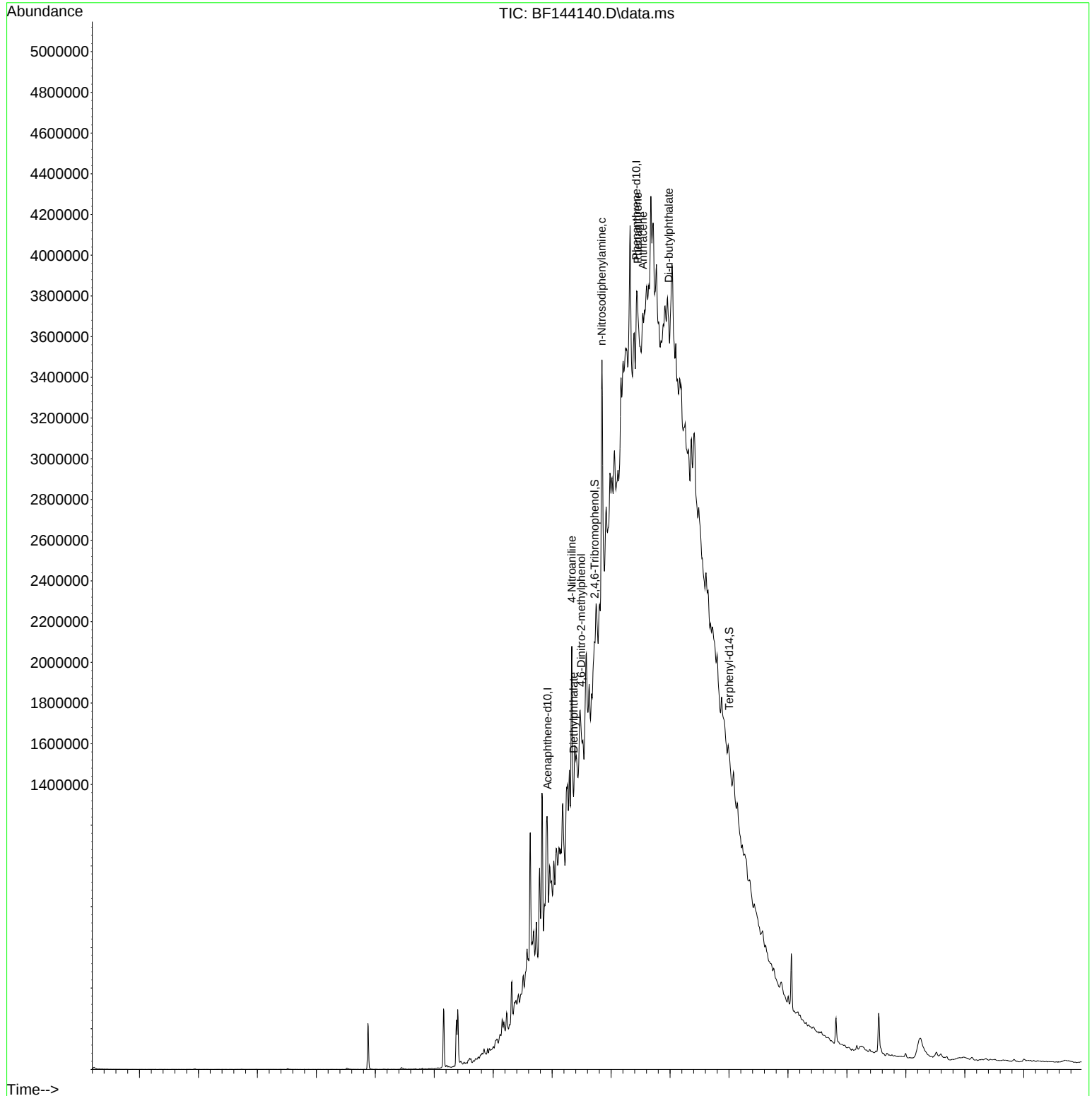
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	50533	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	193583	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	84507	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	95913	20.000	ng	# 0.02
76) Chrysene-d12	14.057	240	135679	20.000	ng	0.00
86) Perylene-d12	15.539	264	124938	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	2852	0.893	ng	0.02
7) Phenol-d6	6.522	99	5252	1.489	ng	0.02
23) Nitrobenzene-d5	7.445	82	5616	1.589	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	2519	2.340	ng	0.01
45) 2-Fluorobiphenyl	9.234	172	20986	3.495	ng	0.00
79) Terphenyl-d14	13.004	244	17817	2.296	ng	0.00
Target Compounds						
						Qvalue
51) 2,6-Dinitrotoluene	9.716	165	4538	4.144	ng	# 38
53) 3-Nitroaniline	9.869	138	6670	5.478	ng	# 21
54) 2,4-Dinitrophenol	10.139	184	1805	3.048	ng	# 1
56) 4-Nitrophenol	10.028	139	2796	3.391	ng	# 1
57) 2,4-Dinitrotoluene	10.122	165	3654	2.472	ng	# 57
60) Diethylphthalate	10.363	149	11472	2.202	ng	# 1
62) 4-Nitroaniline	10.333	138	8987	7.790	ng	85
65) 4,6-Dinitro-2-methylph...	10.492	198	1598	2.597	ng	# 1
66) n-Nitrosodiphenylamine	10.839	169	67093	21.894	ng	96
71) Phenanthrene	11.451	178	60516	12.701	ng	# 66
72) Anthracene	11.539	178	17562	3.568	ng	# 1
74) Di-n-butylphthalate	11.980	149	33248	6.473	ng	# 49

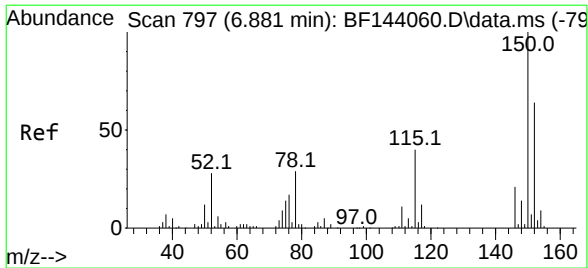
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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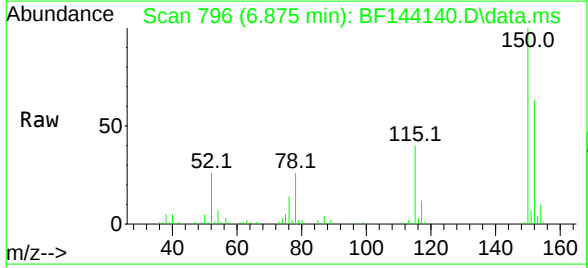
Quant Time: Oct 30 02:22:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
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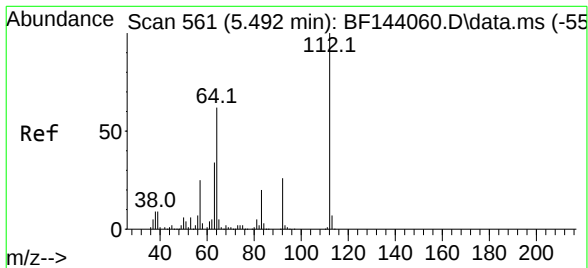
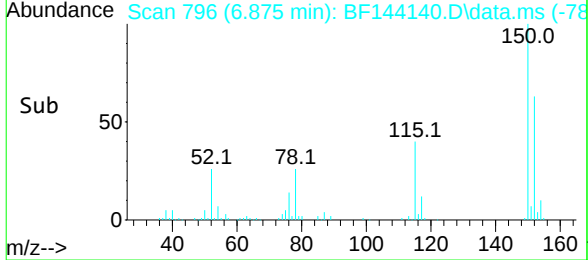
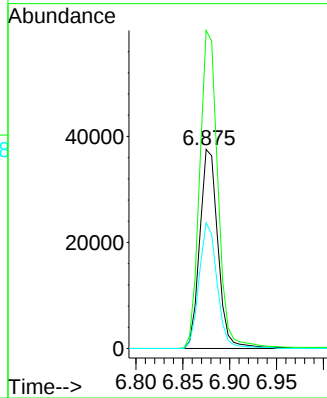


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF144140.D
Acq: 29 Oct 2025 20:59

Instrument :
BNA_F
ClientSampleId :
COMP-3

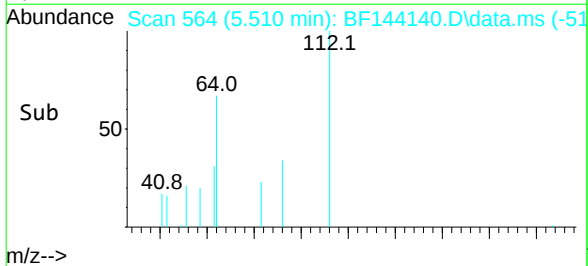
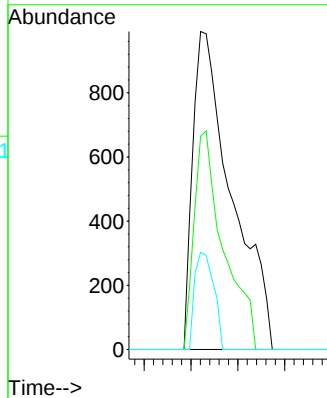
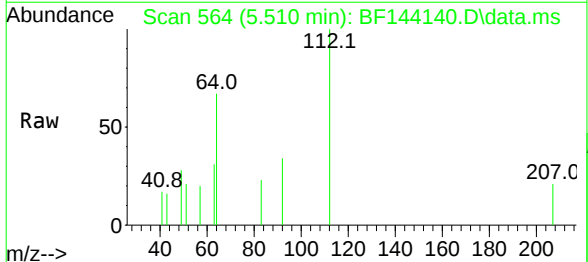


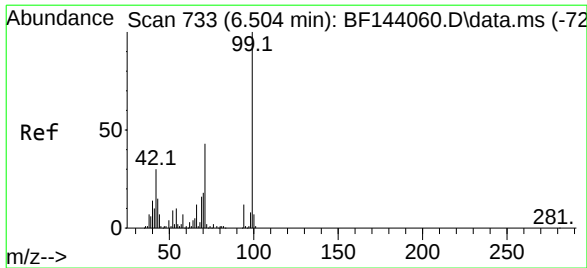
Tgt Ion:152 Resp: 50533
Ion Ratio Lower Upper
152 100
150 159.8 124.4 186.6
115 63.2 49.4 74.0



#5
2-Fluorophenol
Concen: 0.893 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.018 min
Lab File: BF144140.D
Acq: 29 Oct 2025 20:59

Tgt Ion:112 Resp: 2852
Ion Ratio Lower Upper
112 100
64 67.1 49.8 74.8
63 30.6 27.4 41.2

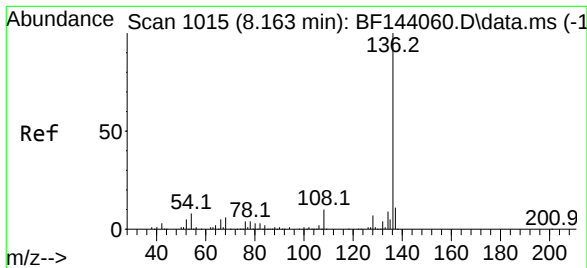
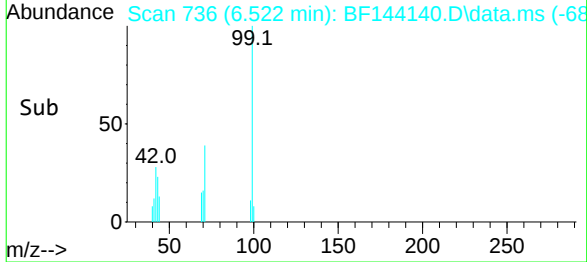
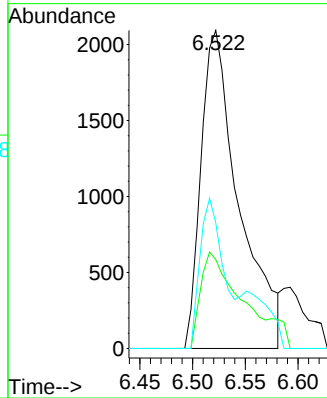
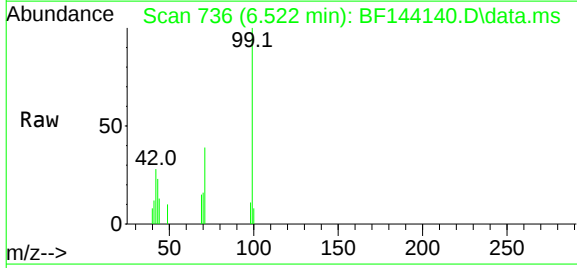




#7
Phenol-d6
Concen: 1.489 ng
RT: 6.522 min Scan# 73
Delta R.T. 0.018 min
Lab File: BF144140.D
Acq: 29 Oct 2025 20:59

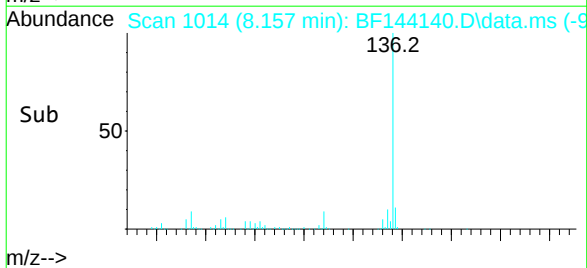
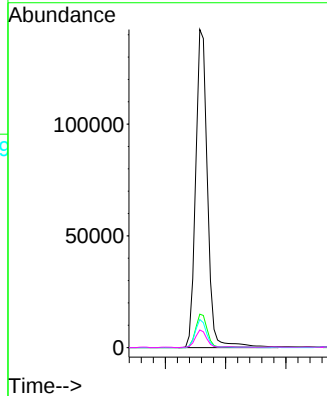
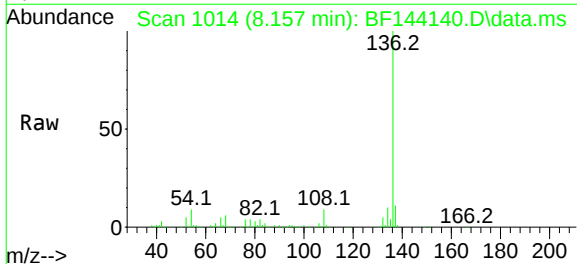
Instrument :
BNA_F
ClientSampleId :
COMP-3

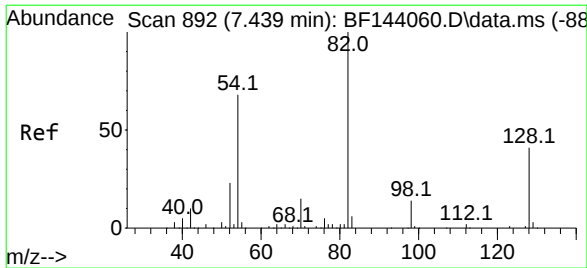
Tgt Ion: 99	Resp: 5252
Ion Ratio	Lower Upper
99 100	
42 28.0	23.9 35.9
71 39.5	34.4 51.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF144140.D
Acq: 29 Oct 2025 20:59

Tgt Ion: 136	Resp: 193583
Ion Ratio	Lower Upper
136 100	
137 10.5	8.6 13.0
54 8.8	6.6 9.8
68 5.5	4.6 6.8

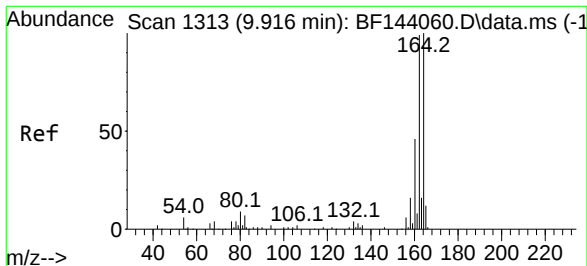
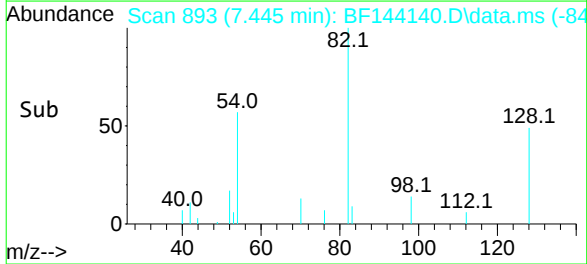
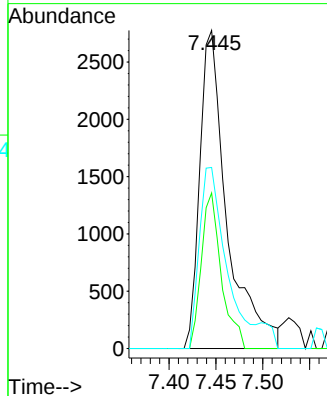
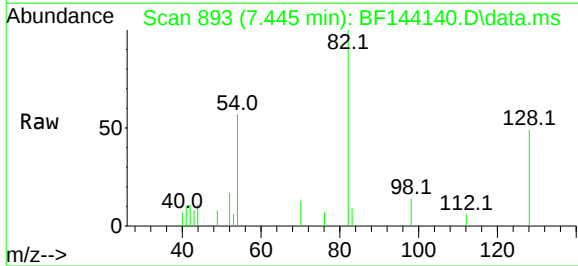




#23
Nitrobenzene-d5
Concen: 1.589 ng
RT: 7.445 min Scan# 89
Delta R.T. 0.006 min
Lab File: BF144140.D
Acq: 29 Oct 2025 20:59

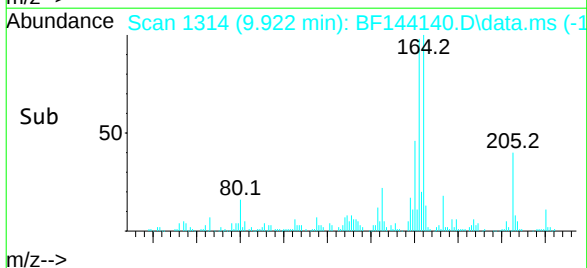
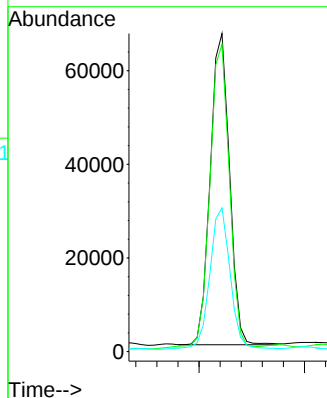
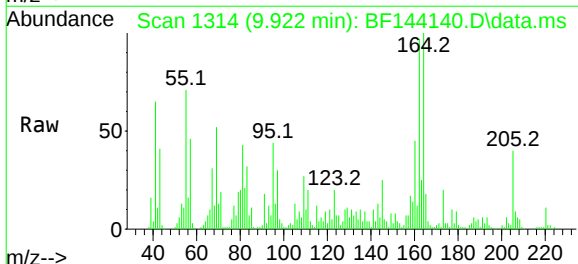
Instrument :
BNA_F
ClientSampleId :
COMP-3

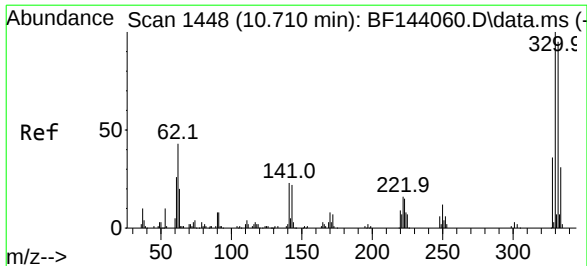
Tgt Ion:	82	Resp:	5616
Ion	Ratio	Lower	Upper
82	100		
128	48.9	32.4	48.6#
54	56.9	54.0	81.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. 0.006 min
Lab File: BF144140.D
Acq: 29 Oct 2025 20:59

Tgt Ion:	164	Resp:	84507
Ion	Ratio	Lower	Upper
164	100		
162	96.6	79.4	119.2
160	45.2	36.7	55.1





#42

2,4,6-Tribromophenol

Concen: 2.340 ng

RT: 10.722 min Scan# 1448

Delta R.T. 0.012 min

Lab File: BF144140.D

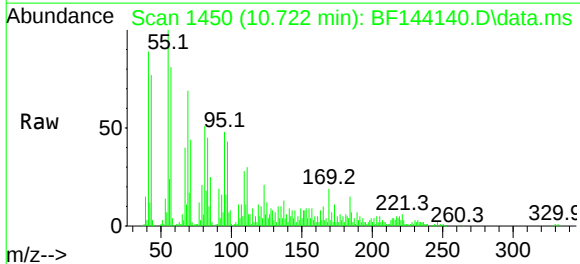
Acq: 29 Oct 2025 20:59

Instrument :

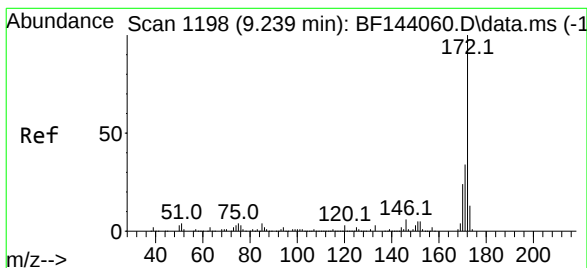
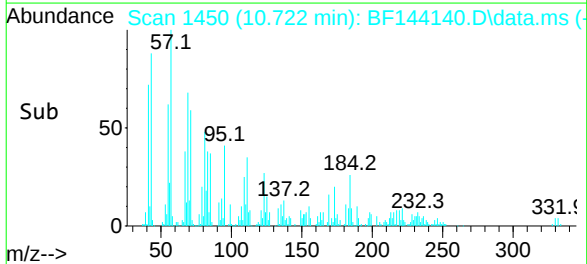
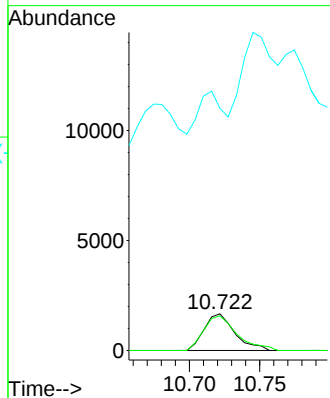
BNA_F

ClientSampleId :

COMP-3



Tgt Ion:	330	Resp:	2519
Ion	Ratio	Lower	Upper
330	100		
332	103.2	77.0	115.6
141	88.5	19.4	29.0



#45

2-Fluorobiphenyl

Concen: 3.495 ng

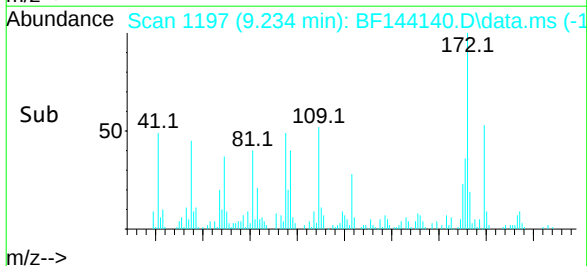
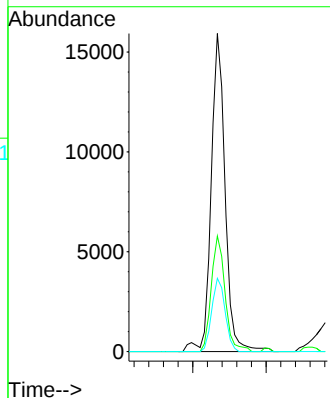
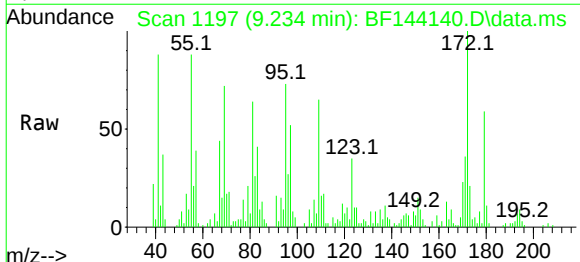
RT: 9.234 min Scan# 1197

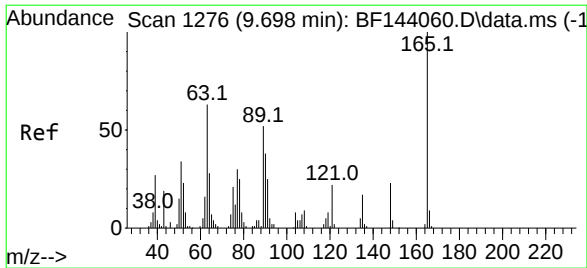
Delta R.T. -0.006 min

Lab File: BF144140.D

Acq: 29 Oct 2025 20:59

Tgt Ion:	172	Resp:	20986
Ion	Ratio	Lower	Upper
172	100		
171	36.3	27.5	41.3
170	23.0	19.0	28.6

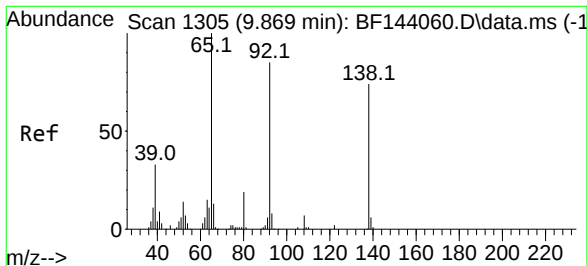
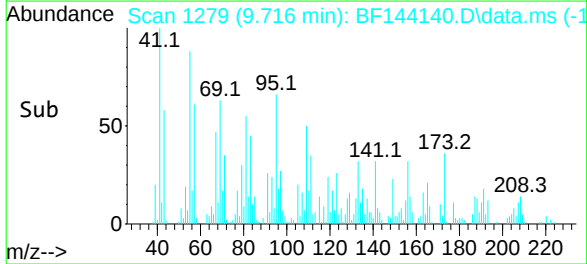
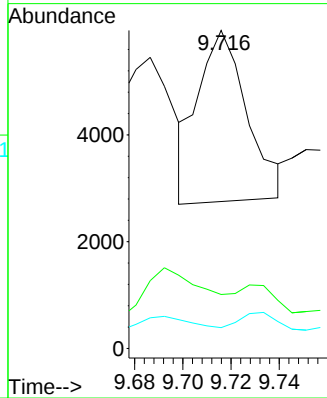
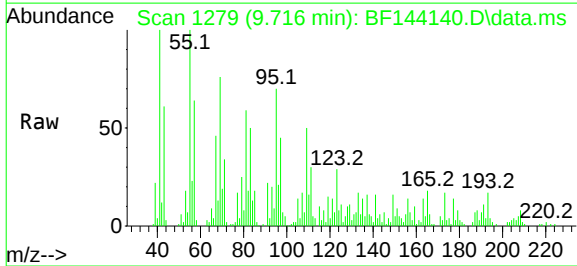




#51
2,6-Dinitrotoluene
Concen: 4.144 ng
RT: 9.716 min Scan# 1276
Delta R.T. 0.018 min
Lab File: BF144140.D
Acq: 29 Oct 2025 20:59

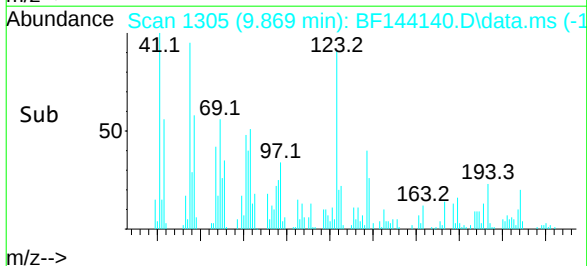
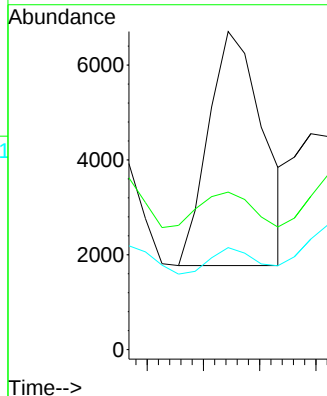
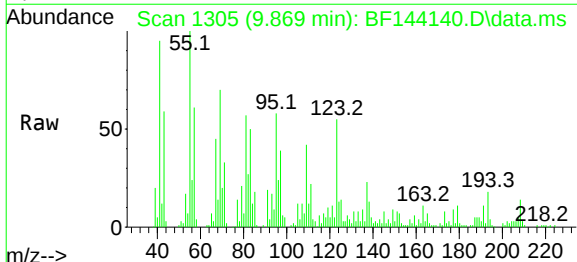
Instrument :
BNA_F
ClientSampleId :
COMP-3

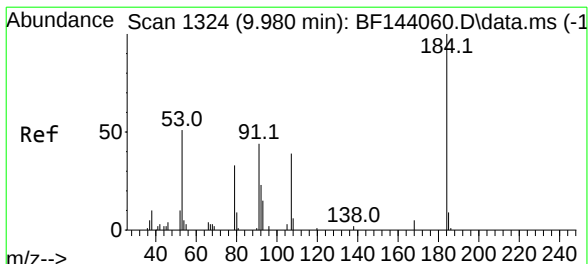
Tgt Ion:165 Resp: 4538
Ion Ratio Lower Upper
165 100
63 17.0 50.4 75.6#
89 6.5 41.4 62.2#



#53
3-Nitroaniline
Concen: 5.478 ng
RT: 9.869 min Scan# 1305
Delta R.T. 0.000 min
Lab File: BF144140.D
Acq: 29 Oct 2025 20:59

Tgt Ion:138 Resp: 6670
Ion Ratio Lower Upper
138 100
108 49.5 7.9 11.9#
92 32.1 92.0 138.0#

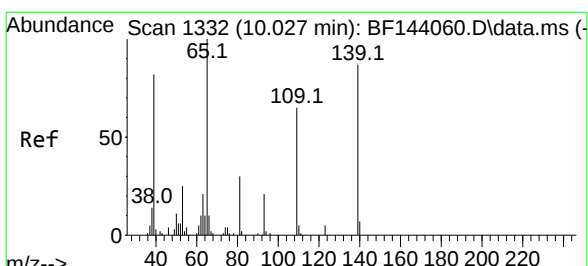
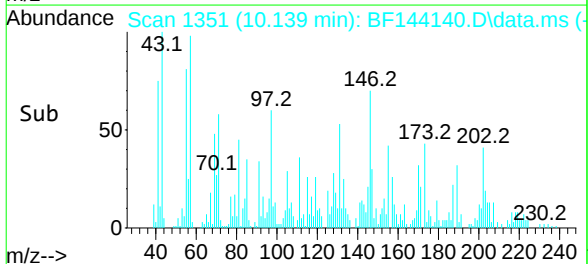
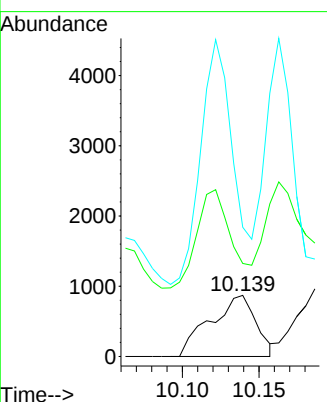
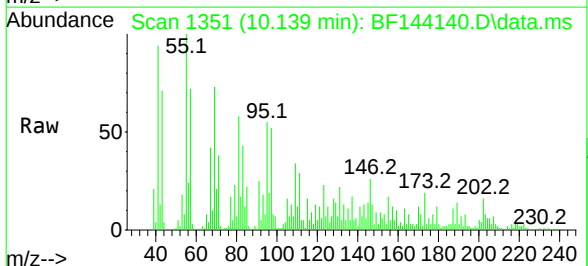




#54
2,4-Dinitrophenol
Concen: 3.048 ng
RT: 10.139 min Scan# 1324
Delta R.T. 0.159 min
Lab File: BF144140.D
Acq: 29 Oct 2025 20:59

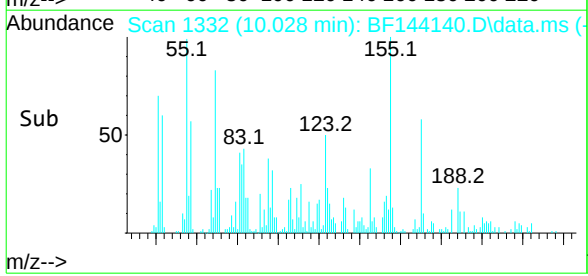
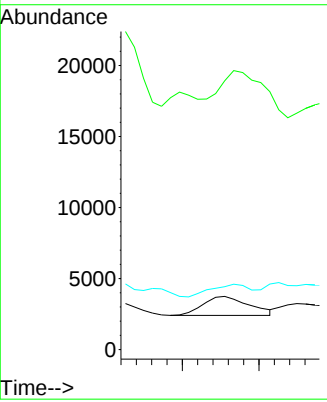
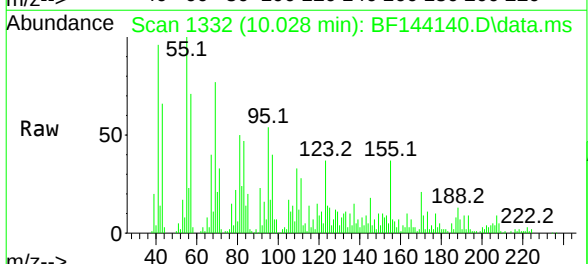
Instrument :
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ClientSampleId :
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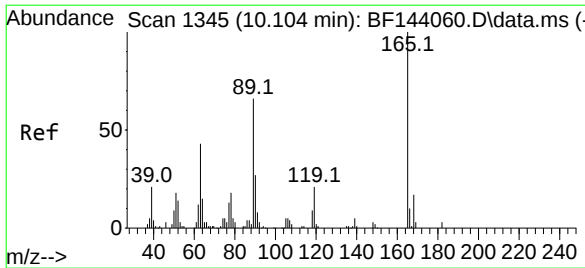
Tgt Ion:	184	Resp:	1805
Ion	Ratio	Lower	Upper
184	100		
63	152.3	52.1	78.1#
154	211.6	47.9	71.9#



#56
4-Nitrophenol
Concen: 3.391 ng
RT: 10.028 min Scan# 1332
Delta R.T. 0.000 min
Lab File: BF144140.D
Acq: 29 Oct 2025 20:59

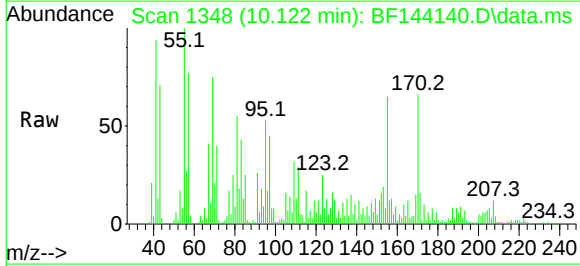
Tgt Ion:	139	Resp:	2796
Ion	Ratio	Lower	Upper
139	100		
109	505.3	53.8	93.8#
65	118.2	95.9	135.9



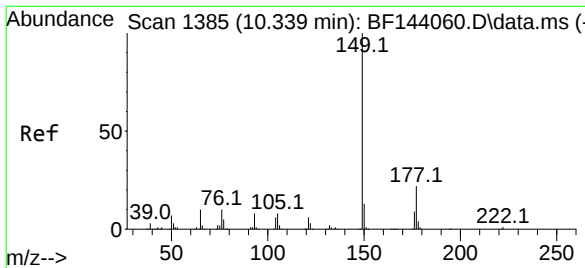
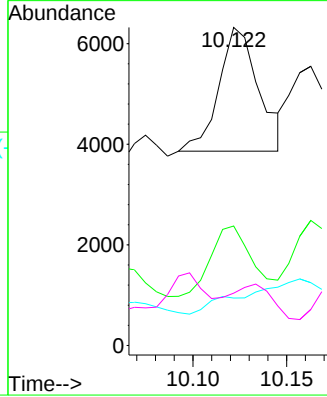
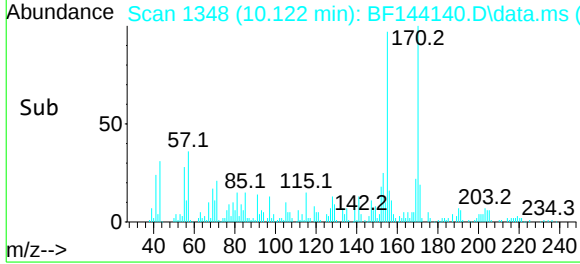


#57
2,4-Dinitrotoluene
Concen: 2.472 ng
RT: 10.122 min Scan# 1345
Delta R.T. 0.018 min
Lab File: BF144140.D
Acq: 29 Oct 2025 20:59

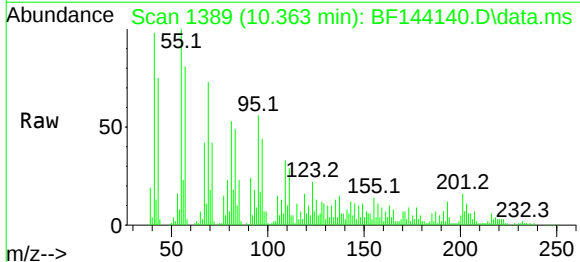
Instrument :
BNA_F
ClientSampleId :
COMP-3



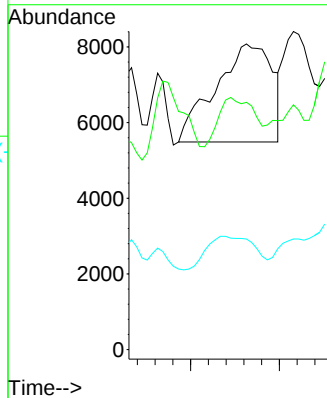
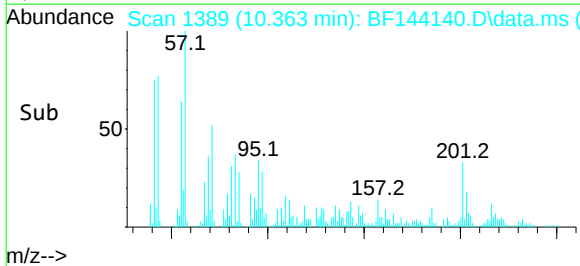
Tgt Ion:165 Resp: 3654
Ion Ratio Lower Upper
165 100
63 37.6 35.4 53.2
89 14.9 52.7 79.1#
182 16.4 2.3 3.5#

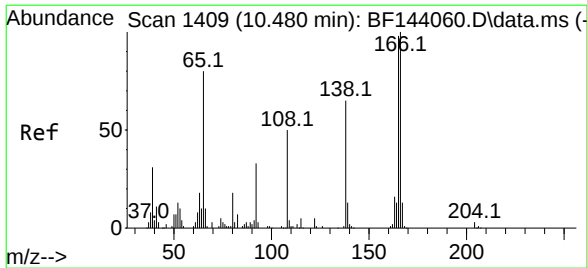


#60
Diethylphthalate
Concen: 2.202 ng
RT: 10.363 min Scan# 1389
Delta R.T. 0.024 min
Lab File: BF144140.D
Acq: 29 Oct 2025 20:59



Tgt Ion:149 Resp: 11472
Ion Ratio Lower Upper
149 100
177 80.9 17.8 26.6#
150 36.2 10.1 15.1#

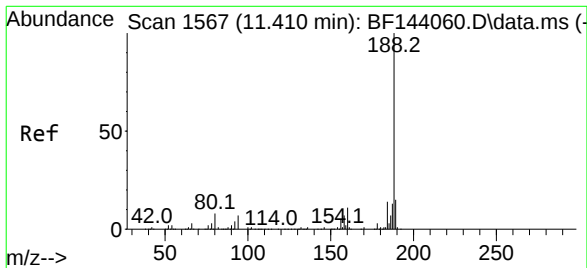
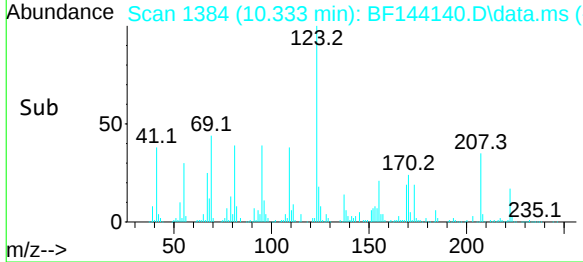
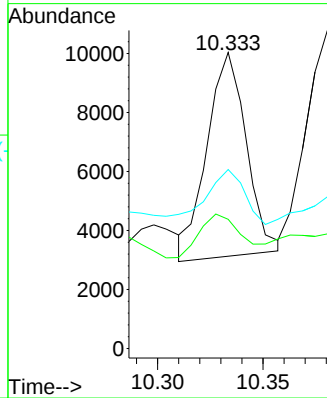
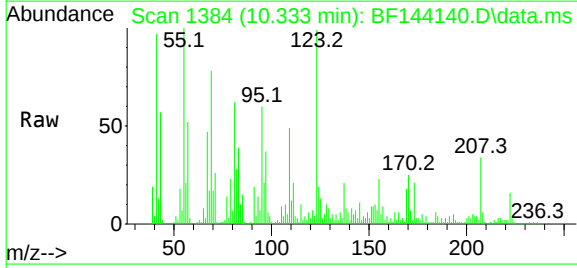




#62
4-Nitroaniline
Concen: 7.790 ng
RT: 10.333 min Scan# 1384
Delta R.T. -0.147 min
Lab File: BF144140.D
Acq: 29 Oct 2025 20:59

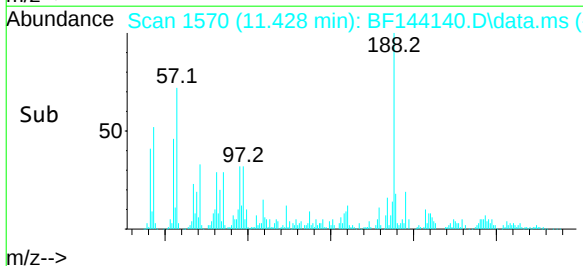
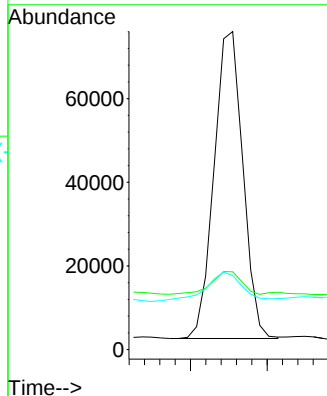
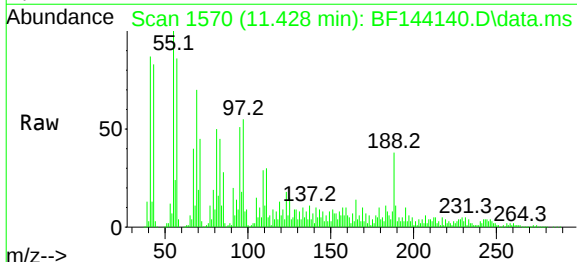
Instrument :
BNA_F
ClientSampleId :
COMP-3

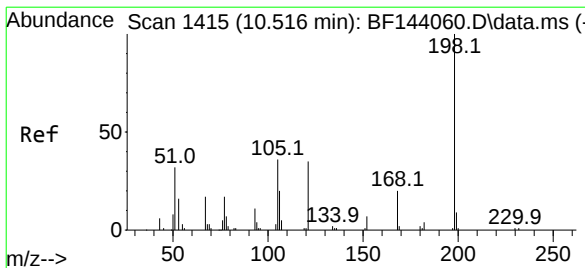
Tgt Ion:138 Resp: 8987
Ion Ratio Lower Upper
138 100
92 43.6 30.5 70.5
108 60.5 56.2 96.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1570
Delta R.T. 0.018 min
Lab File: BF144140.D
Acq: 29 Oct 2025 20:59

Tgt Ion:188 Resp: 95913
Ion Ratio Lower Upper
188 100
94 24.5 5.4 8.0#
80 23.3 6.0 9.0#

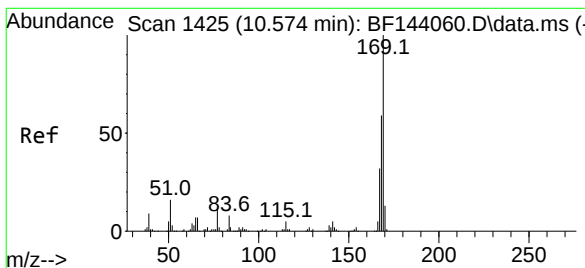
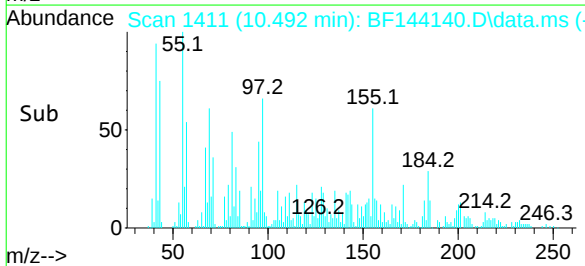
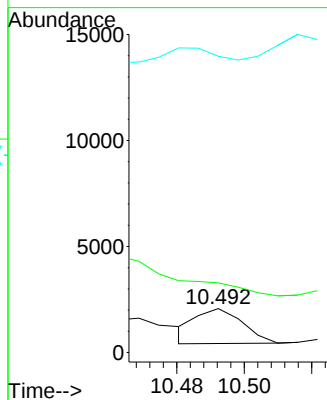
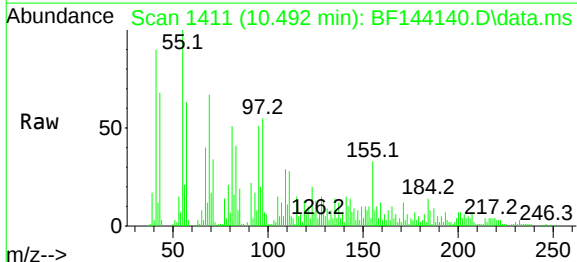




#65
4,6-Dinitro-2-methylphenol
Concen: 2.597 ng
RT: 10.492 min Scan# 1415
Delta R.T. -0.023 min
Lab File: BF144140.D
Acq: 29 Oct 2025 20:59

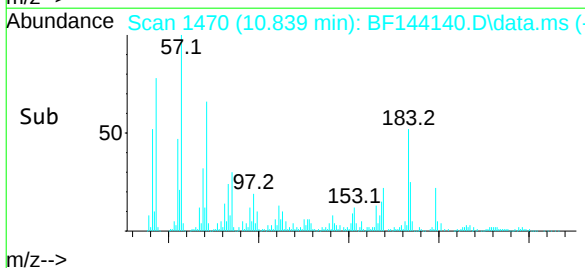
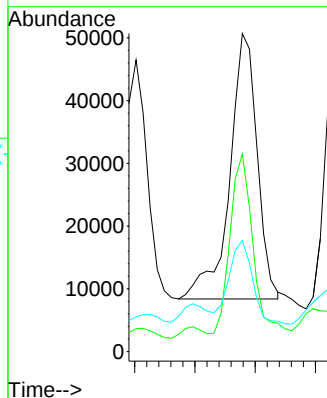
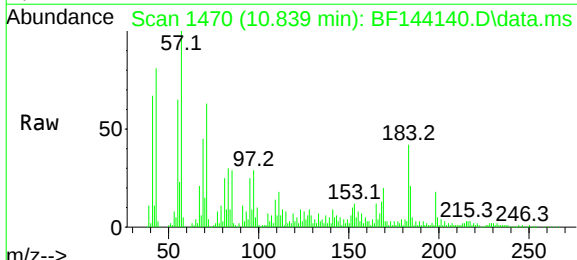
Instrument :
BNA_F
ClientSampleId :
COMP-3

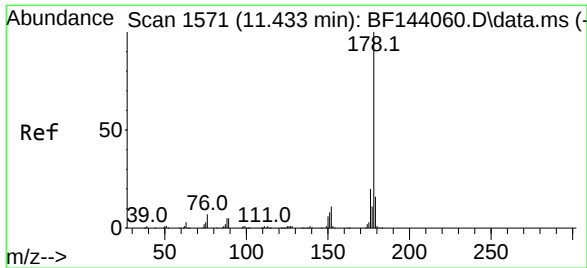
Tgt Ion:198 Resp: 1598
Ion Ratio Lower Upper
198 100
51 158.7 25.8 65.8#
105 675.4 17.2 57.2#



#66
n-Nitrosodiphenylamine
Concen: 21.894 ng
RT: 10.839 min Scan# 1470
Delta R.T. 0.265 min
Lab File: BF144140.D
Acq: 29 Oct 2025 20:59

Tgt Ion:169 Resp: 67093
Ion Ratio Lower Upper
169 100
168 62.2 47.4 71.2
167 35.0 25.5 38.3

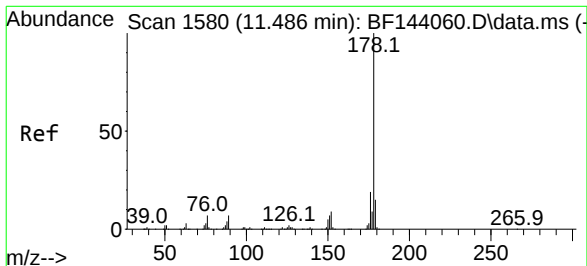
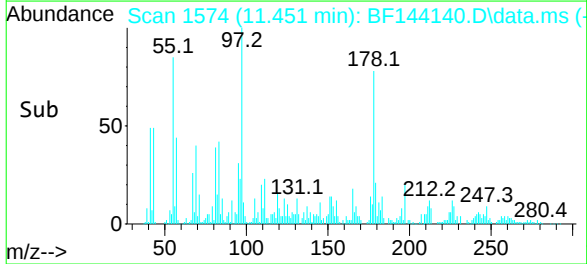
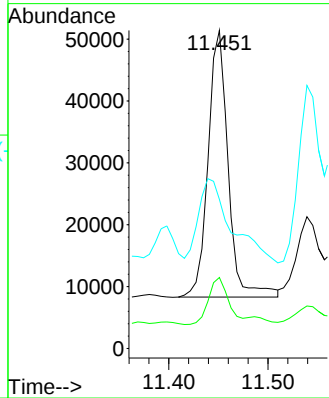
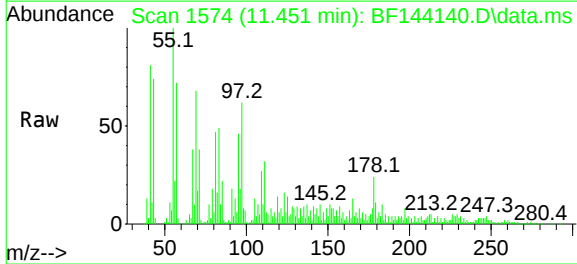




#71
Phenanthrene
Concen: 12.701 ng
RT: 11.451 min Scan# 1571
Delta R.T. 0.018 min
Lab File: BF144140.D
Acq: 29 Oct 2025 20:59

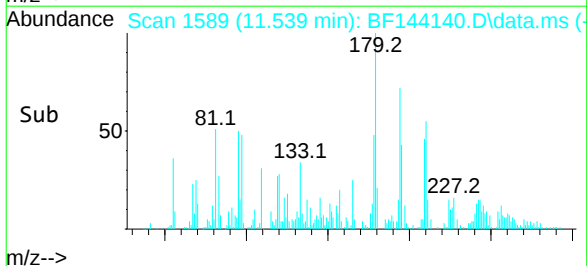
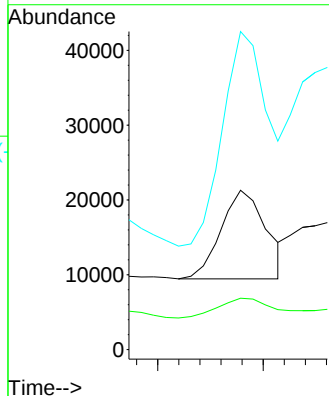
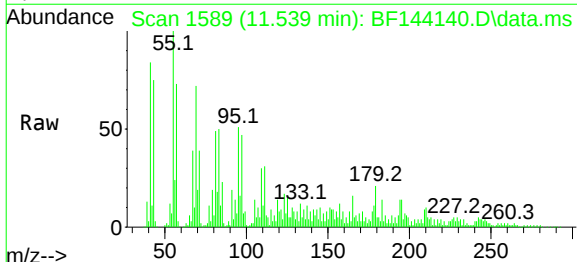
Instrument :
BNA_F
ClientSampleId :
COMP-3

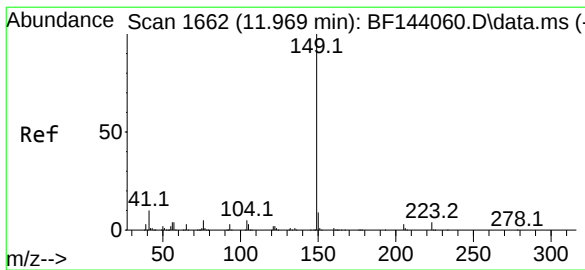
Tgt Ion:178 Resp: 60516
Ion Ratio Lower Upper
178 100
176 22.3 16.3 24.5
179 46.9 12.6 18.8#



#72
Anthracene
Concen: 3.568 ng
RT: 11.539 min Scan# 1589
Delta R.T. 0.053 min
Lab File: BF144140.D
Acq: 29 Oct 2025 20:59

Tgt Ion:178 Resp: 17562
Ion Ratio Lower Upper
178 100
176 32.2 15.0 22.4#
179 199.7 11.8 17.6#





#74

Di-n-butylphthalate

Concen: 6.473 ng

RT: 11.980 min Scan# 16

Delta R.T. 0.012 min

Lab File: BF144140.D

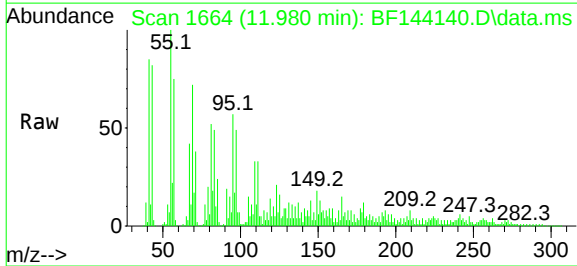
Acq: 29 Oct 2025 20:59

Instrument :

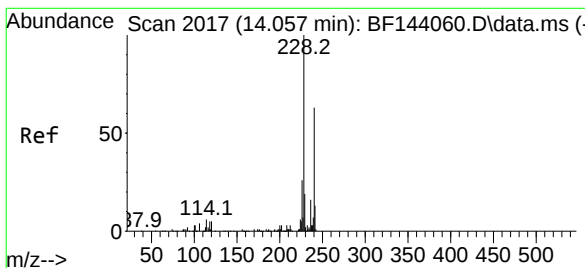
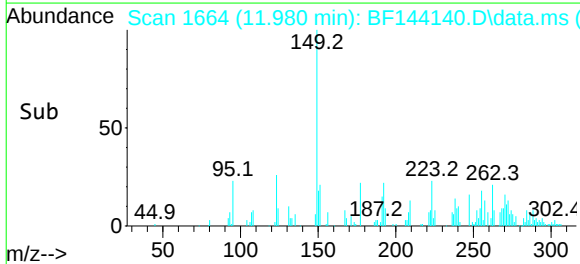
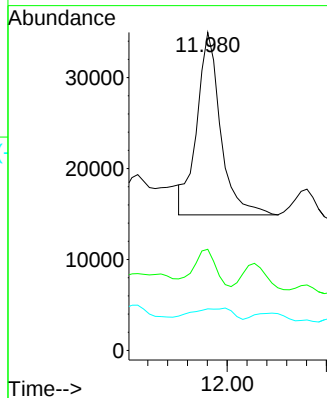
BNA_F

ClientSampleId :

COMP-3



Tgt Ion:	149	Resp:	33248
Ion Ratio	Lower	Upper	
149	100		
150	31.8	7.3	10.9#
104	13.1	3.6	5.4#



#76

Chrysene-d12

Concen: 20.000 ng

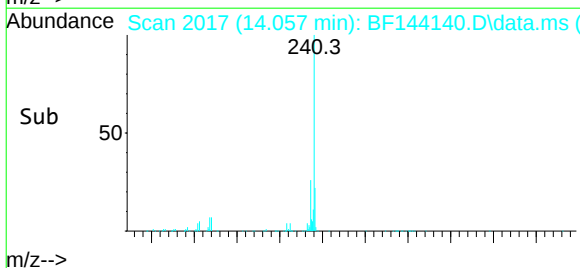
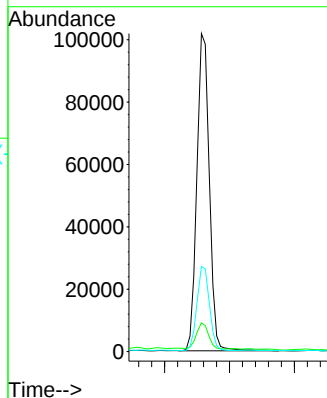
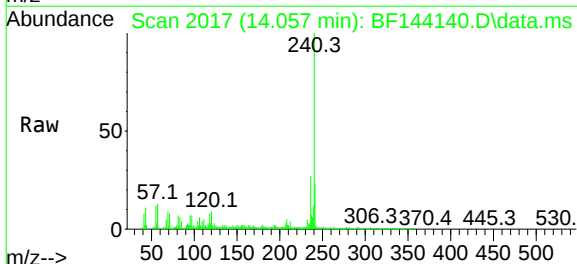
RT: 14.057 min Scan# 2017

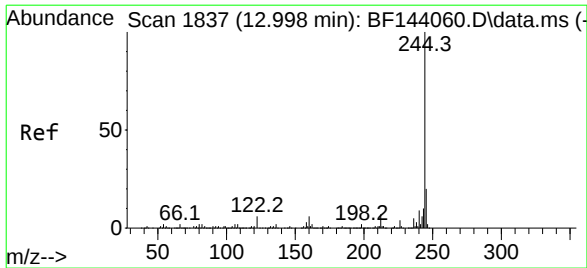
Delta R.T. 0.000 min

Lab File: BF144140.D

Acq: 29 Oct 2025 20:59

Tgt Ion:	240	Resp:	135679
Ion Ratio	Lower	Upper	
240	100		
120	9.0	6.5	9.7
236	26.7	20.1	30.1





#79

Terphenyl-d14

Concen: 2.296 ng

RT: 13.004 min Scan# 18

Delta R.T. 0.006 min

Lab File: BF144140.D

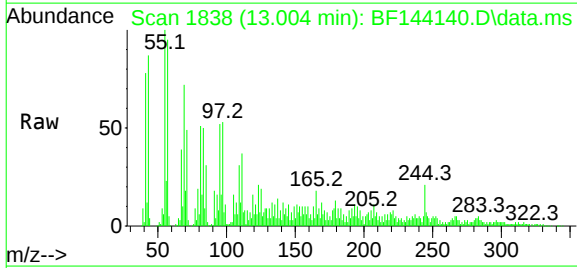
Acq: 29 Oct 2025 20:59

Instrument :

BNA_F

ClientSampleId :

COMP-3



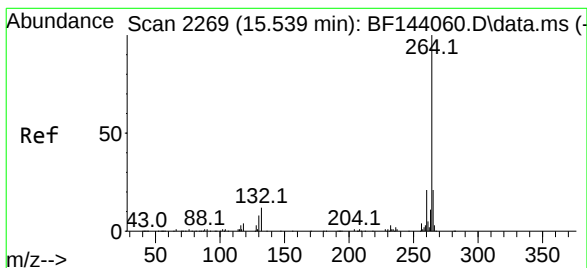
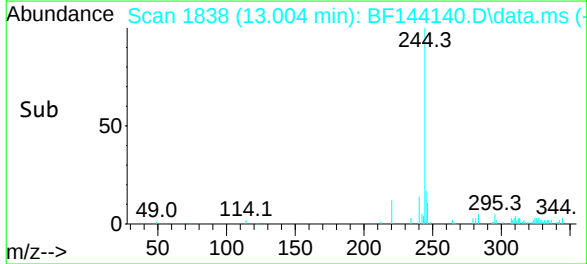
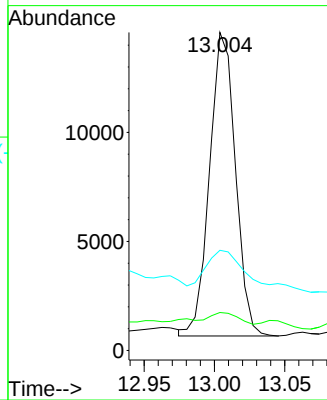
Tgt Ion:244 Resp: 17817

Ion Ratio Lower Upper

244 100

212 11.9 5.8 8.6#

122 31.5 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: BF144140.D

Acq: 29 Oct 2025 20:59

Tgt Ion:264 Resp: 124938

Ion Ratio Lower Upper

264 100

260 20.7 17.0 25.4

265 21.6 16.6 24.8

