

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
 Data File : BF141868.D
 Acq On : 06 Mar 2025 15:01
 Operator : RC/JU
 Sample : Q1478-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IDW-AQ-IW-03-COMP-022825

Quant Time: Mar 06 15:57:15 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:48:16 2025
 Response via : Initial Calibration

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

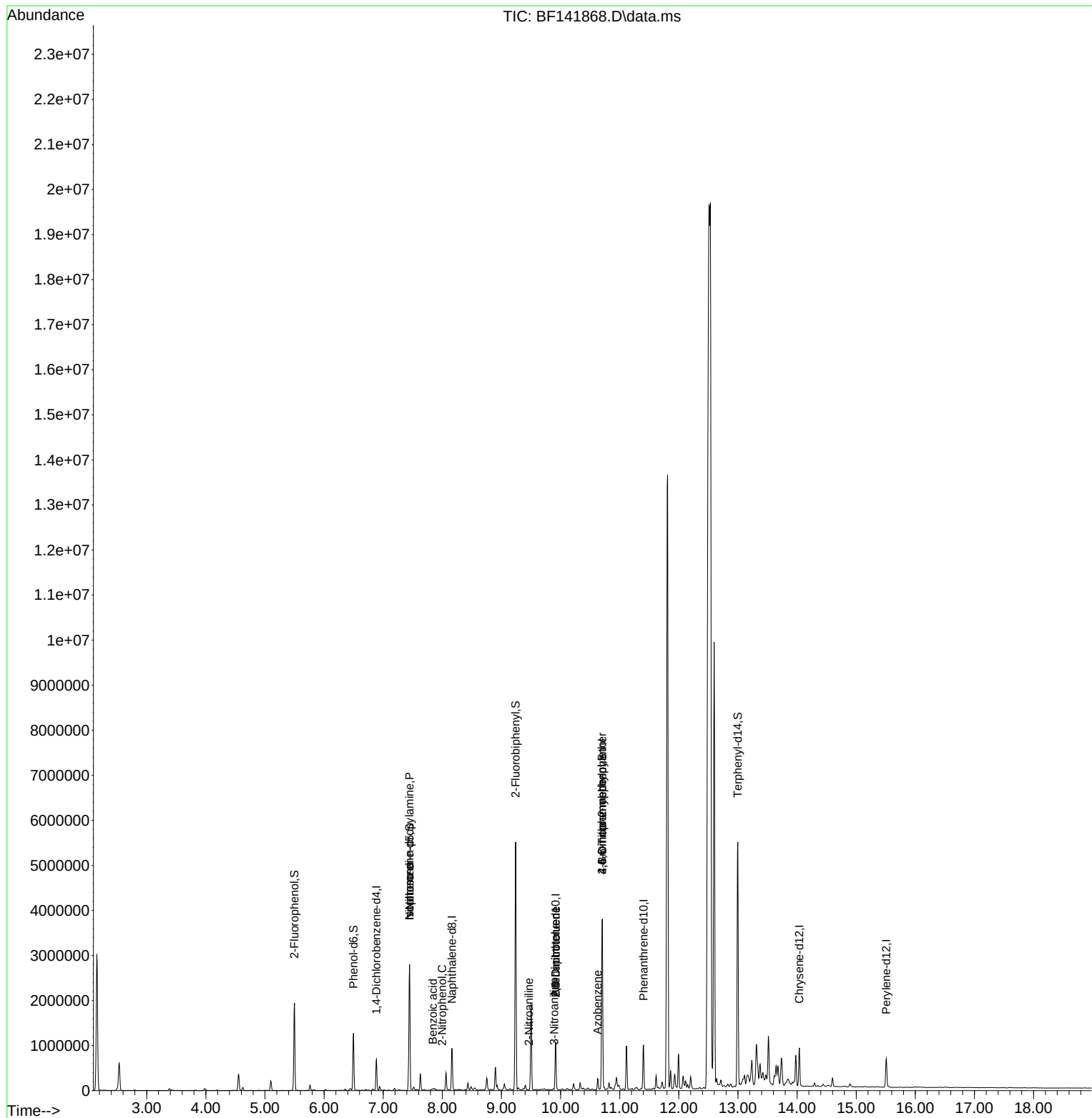
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	147709	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	566941	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	303926	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	506428	20.000	ng	# 0.00
76) Chrysene-d12	14.039	240	396116	20.000	ng	-0.01
86) Perylene-d12	15.510	264	368667	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	720582	77.907	ng	0.00
7) Phenol-d6	6.498	99	574744	47.741	ng	-0.01
23) Nitrobenzene-d5	7.445	82	1281011	144.428	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	629004	220.447	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	2353505	124.166	ng	0.00
79) Terphenyl-d14	12.998	244	2735004	111.710	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	179733	22.711	ng	# 78
25) Isophorone	7.445	82	1276131	66.971	ng	# 66
26) 2-Nitrophenol	7.998	139	249	4.603	ng	# 32
32) Benzoic acid	7.839	122	10006	9.128	ng	93
48) 2-Nitroaniline	9.463	65	222	4.382	ng	# 6
51) 2,6-Dinitrotoluene	9.916	165	40075	12.515	ng	# 21
53) 3-Nitroaniline	9.892	138	115	2.993	ng	# 1
57) 2,4-Dinitrotoluene	9.916	165	40075	11.333	ng	# 20
63) Azobenzene	10.628	77	60162	2.800	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.704	198	1610	8.687	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	41515	7.018	ng	# 1

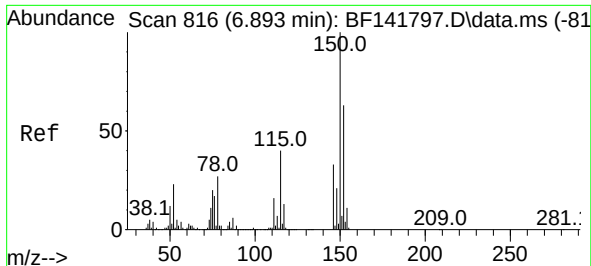
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
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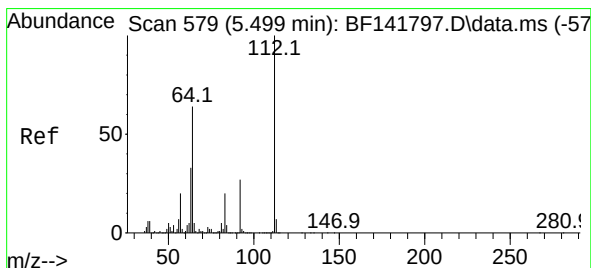
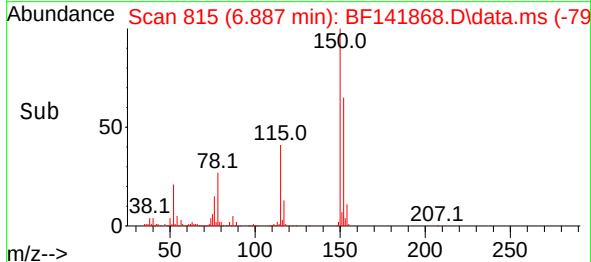
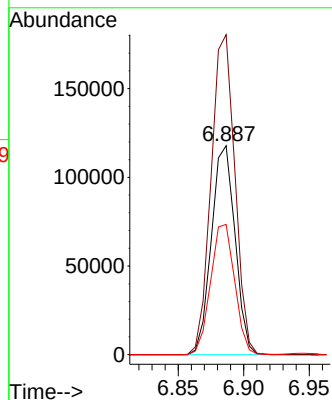
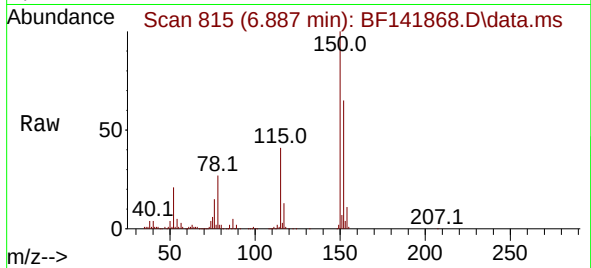




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF141868.D
Acq: 06 Mar 2025 15:01

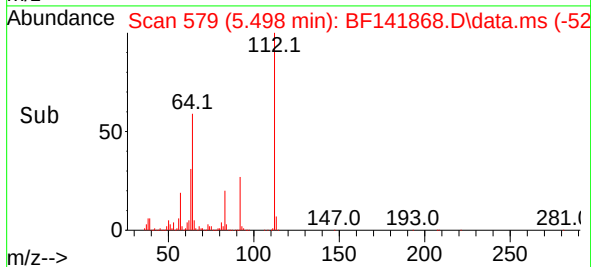
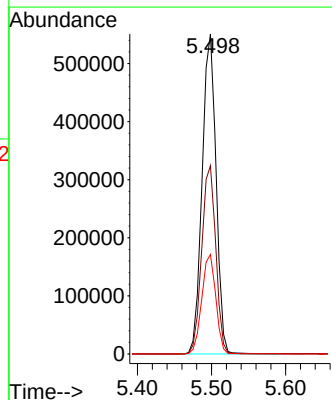
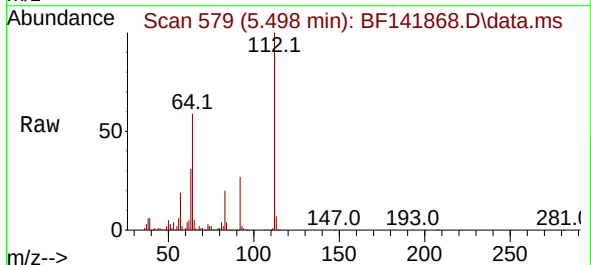
Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-03-COMP-022825

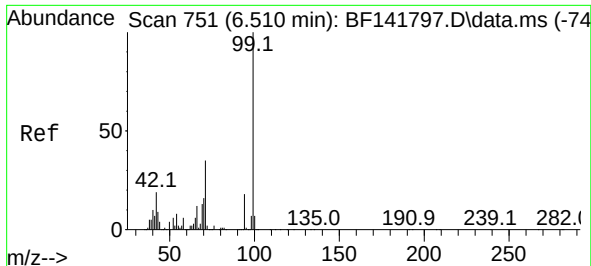
Tgt Ion:152 Resp: 147709
Ion Ratio Lower Upper
152 100
150 153.1 127.5 191.3
115 62.3 51.4 77.2



#5
2-Fluorophenol
Concen: 77.907 ng
RT: 5.498 min Scan# 579
Delta R.T. -0.000 min
Lab File: BF141868.D
Acq: 06 Mar 2025 15:01

Tgt Ion:112 Resp: 720582
Ion Ratio Lower Upper
112 100
64 58.9 51.3 76.9
63 31.1 26.2 39.4

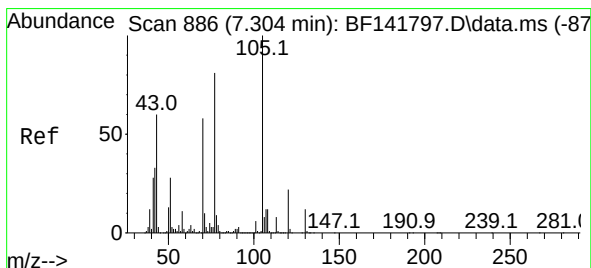
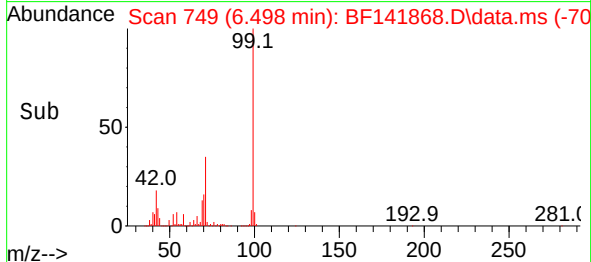
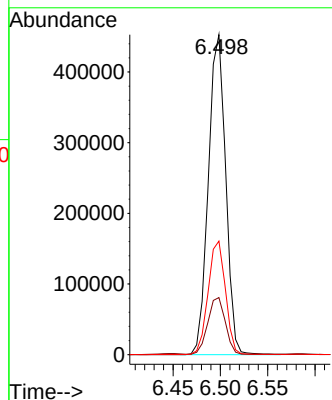
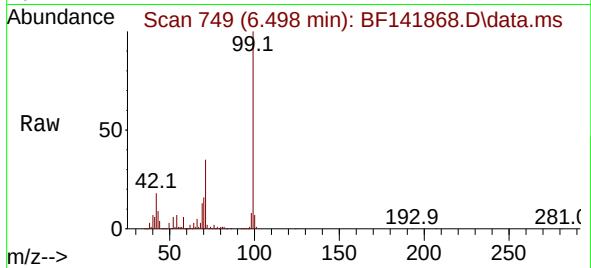




#7
Phenol-d6
Concen: 47.741 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF141868.D
Acq: 06 Mar 2025 15:01

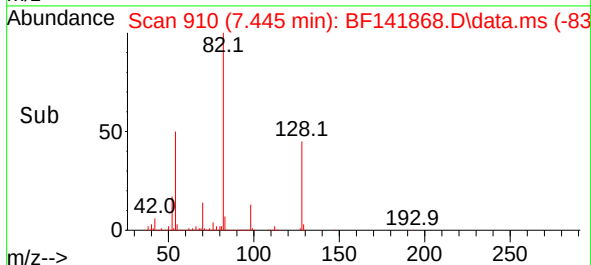
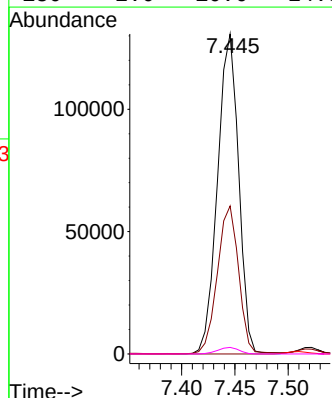
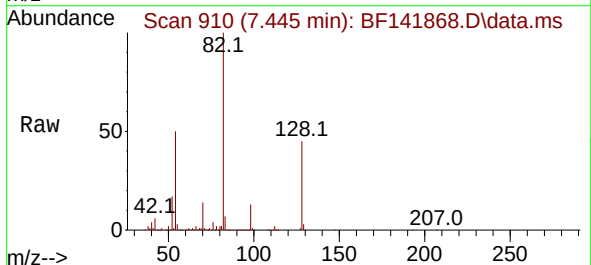
Instrument :
BNA_F
ClientSampleId :
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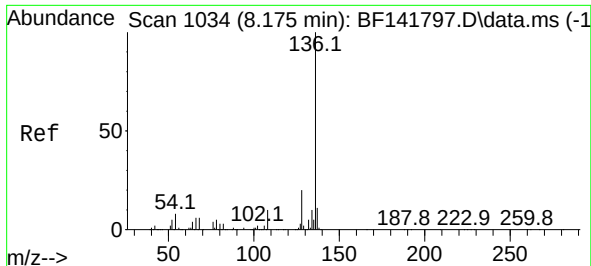
Tgt Ion: 99 Resp: 574744
Ion Ratio Lower Upper
99 100
42 17.9 15.2 22.8
71 35.5 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 22.711 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF141868.D
Acq: 06 Mar 2025 15:01

Tgt Ion: 70 Resp: 179733
Ion Ratio Lower Upper
70 100
42 46.2 45.4 68.0
101 0.0 7.8 11.8#
130 2.0 16.6 24.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141868.D

Acq: 06 Mar 2025 15:01

Instrument :

BNA_F

ClientSampleId :

IDW-AQ-IW-03-COMP-022825

Tgt Ion:136 Resp: 566941

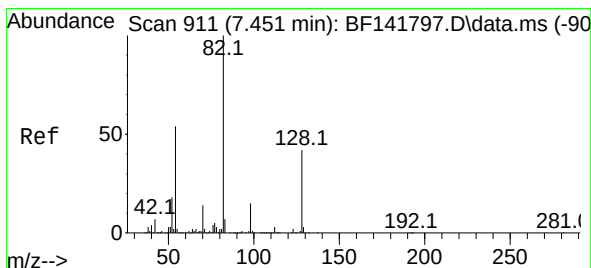
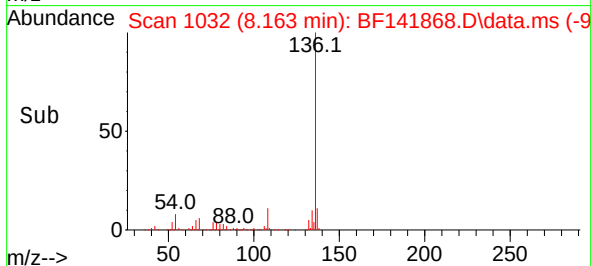
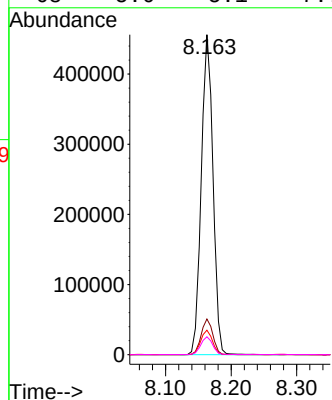
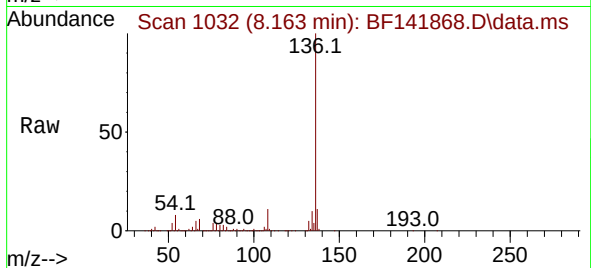
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 7.7 6.9 10.3

68 5.6 5.1 7.7



#23

Nitrobenzene-d5

Concen: 144.428 ng

RT: 7.445 min Scan# 910

Delta R.T. -0.006 min

Lab File: BF141868.D

Acq: 06 Mar 2025 15:01

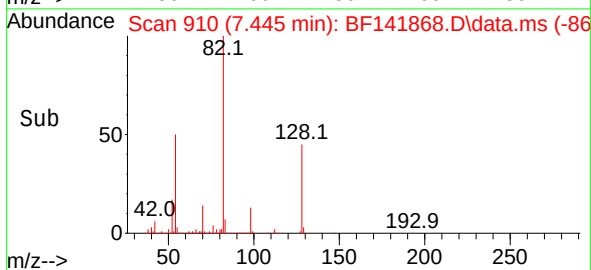
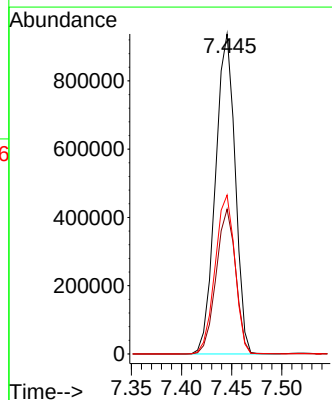
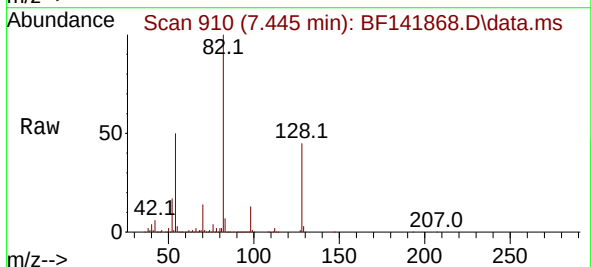
Tgt Ion: 82 Resp: 1281011

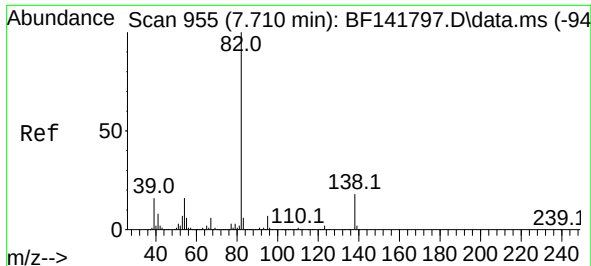
Ion Ratio Lower Upper

82 100

128 45.3 33.5 50.3

54 49.7 42.7 64.1

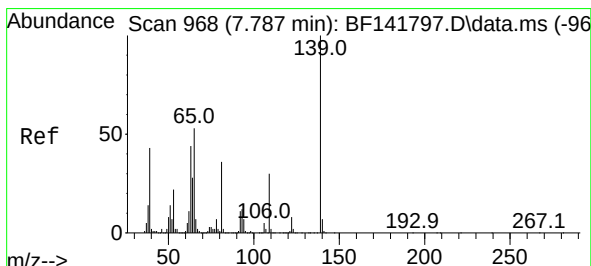
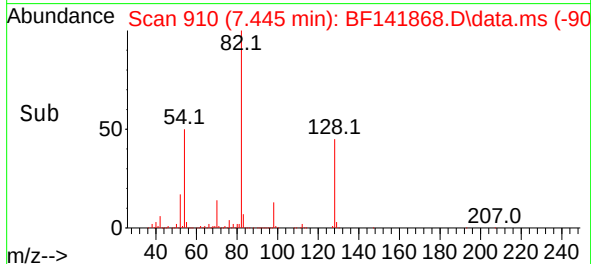
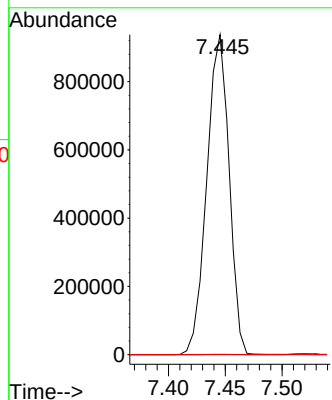
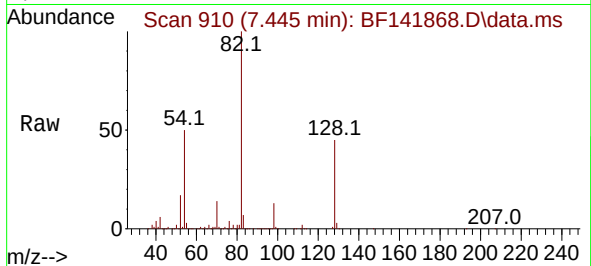




#25
Isophorone
Concen: 66.971 ng
RT: 7.445 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF141868.D
Acq: 06 Mar 2025 15:01

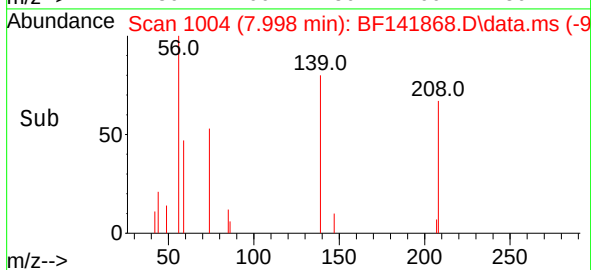
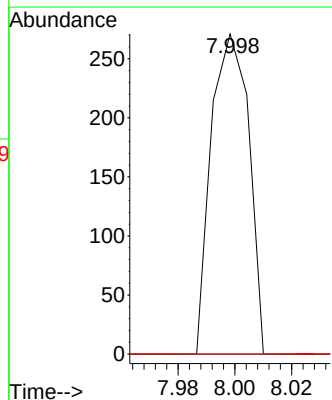
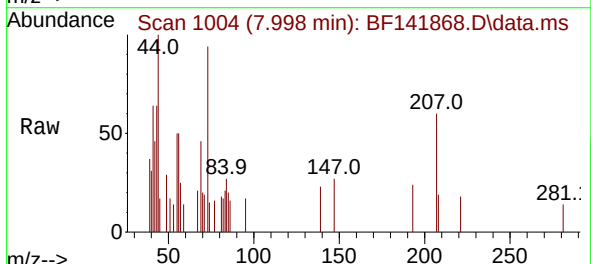
Instrument :
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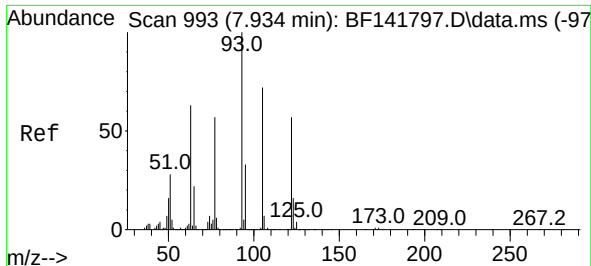
Tgt Ion: 82 Resp: 1276131
Ion Ratio Lower Upper
82 100
95 0.1 5.8 8.8#
138 0.0 14.0 21.0#



#26
2-Nitrophenol
Concen: 4.603 ng
RT: 7.998 min Scan# 1004
Delta R.T. 0.211 min
Lab File: BF141868.D
Acq: 06 Mar 2025 15:01

Tgt Ion:139 Resp: 249
Ion Ratio Lower Upper
139 100
109 0.0 24.1 36.1#
65 0.0 42.3 63.5#

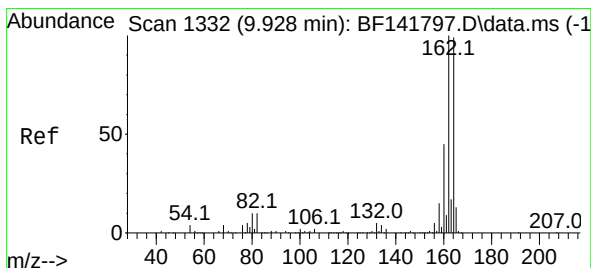
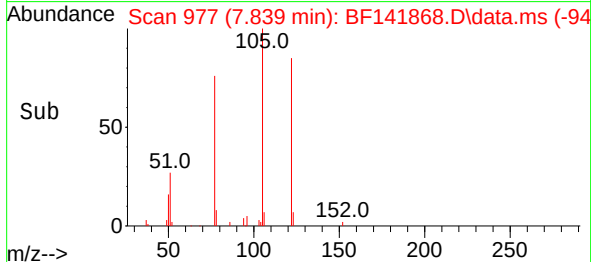
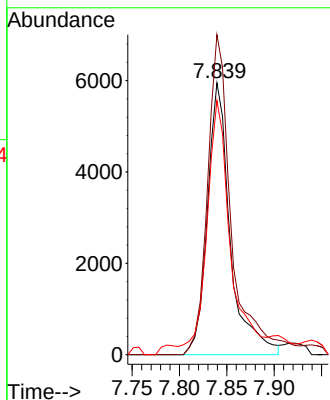
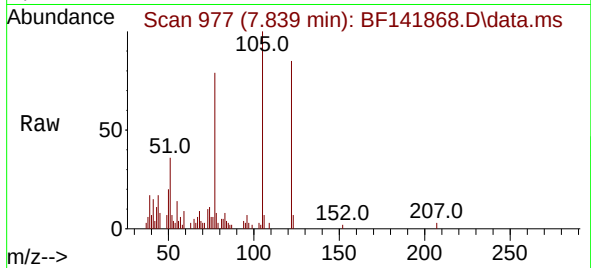




#32
Benzoic acid
Concen: 9.128 ng
RT: 7.839 min Scan# 91
Delta R.T. -0.095 min
Lab File: BF141868.D
Acq: 06 Mar 2025 15:01

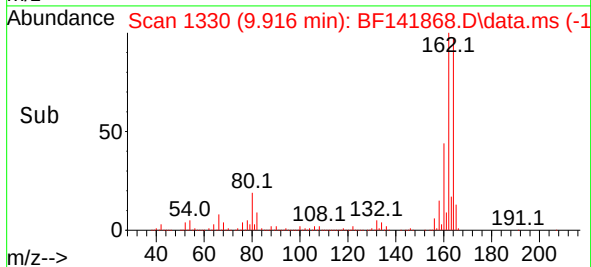
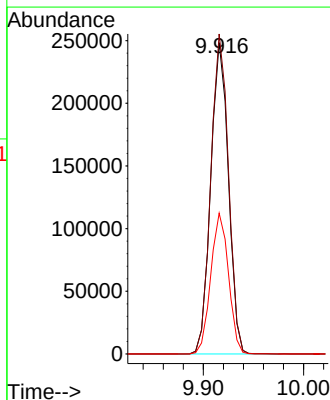
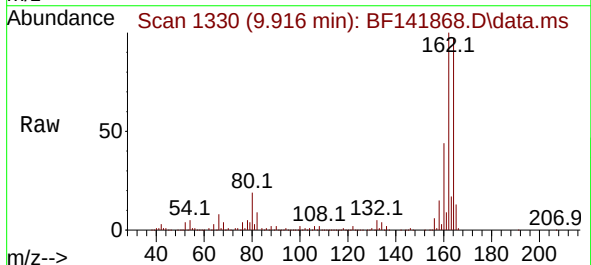
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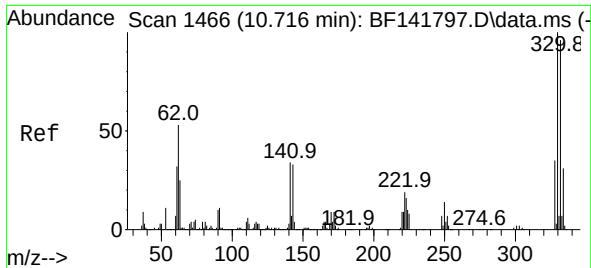
Tgt Ion:122 Resp: 10006
Ion Ratio Lower Upper
122 100
105 117.8 105.8 145.8
77 93.6 79.9 119.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.012 min
Lab File: BF141868.D
Acq: 06 Mar 2025 15:01

Tgt Ion:164 Resp: 303926
Ion Ratio Lower Upper
164 100
162 102.8 80.6 120.8
160 45.2 36.3 54.5

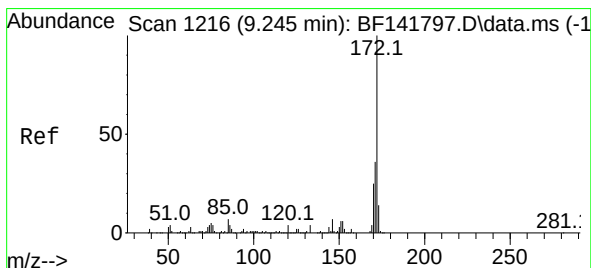
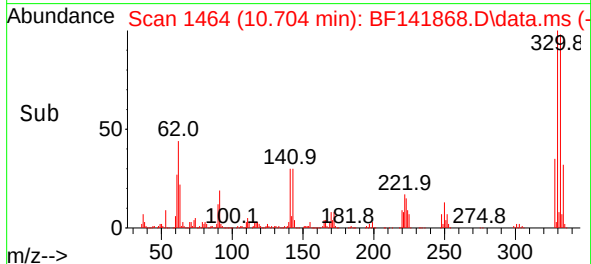
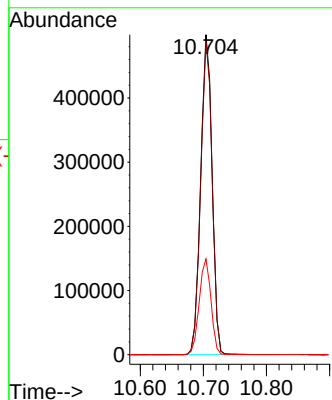
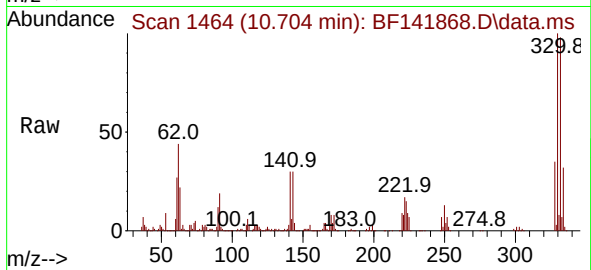




#42
 2,4,6-Tribromophenol
 Concen: 220.447 ng
 RT: 10.704 min Scan# 1466
 Delta R.T. -0.012 min
 Lab File: BF141868.D
 Acq: 06 Mar 2025 15:01

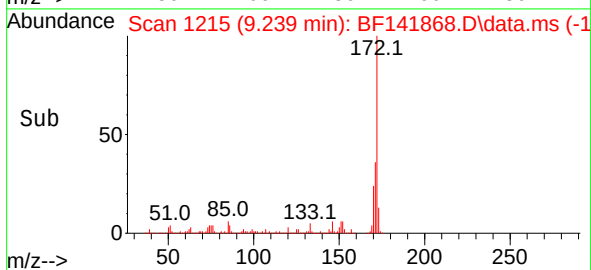
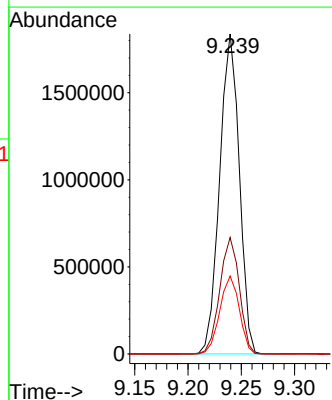
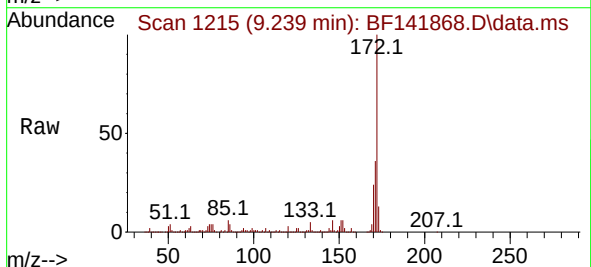
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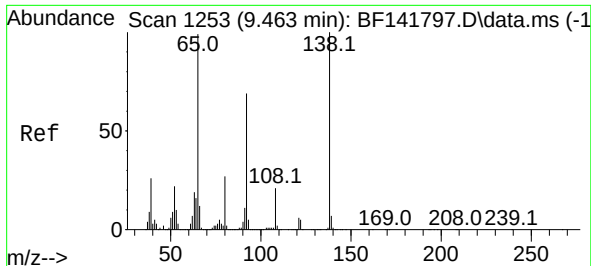
Tgt Ion:330 Resp: 629004
 Ion Ratio Lower Upper
 330 100
 332 97.9 76.6 115.0
 141 30.8 29.0 43.4



#45
 2-Fluorobiphenyl
 Concen: 124.166 ng
 RT: 9.239 min Scan# 1215
 Delta R.T. -0.006 min
 Lab File: BF141868.D
 Acq: 06 Mar 2025 15:01

Tgt Ion:172 Resp: 2353505
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.2 43.8
 170 24.4 19.7 29.5

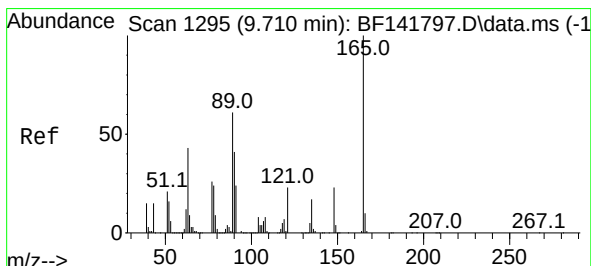
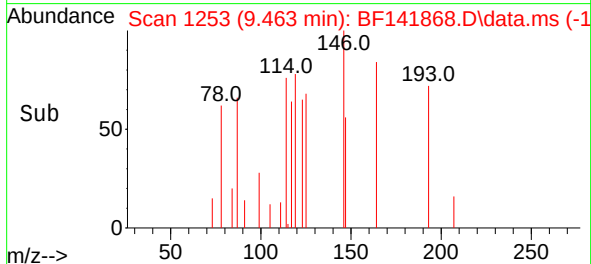
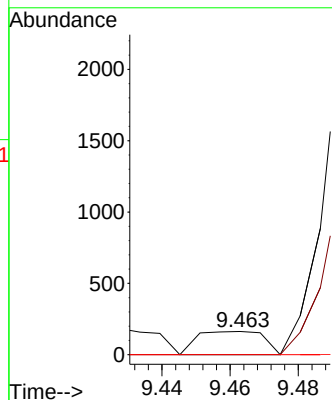
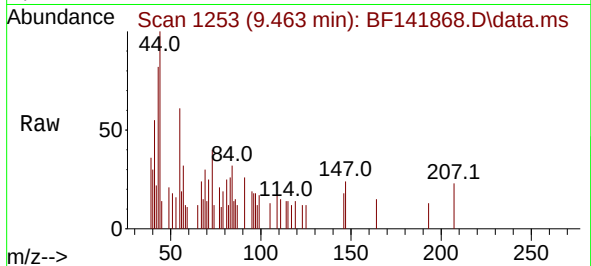




#48
2-Nitroaniline
Concen: 4.382 ng
RT: 9.463 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141868.D
Acq: 06 Mar 2025 15:01

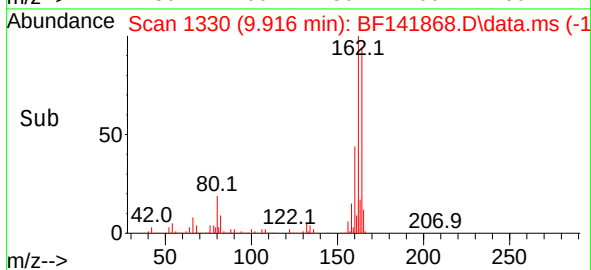
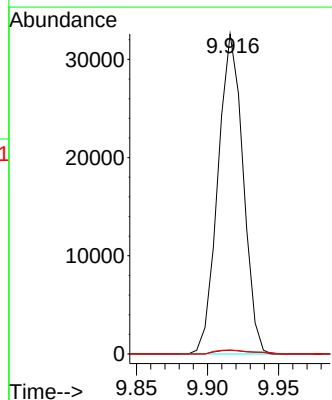
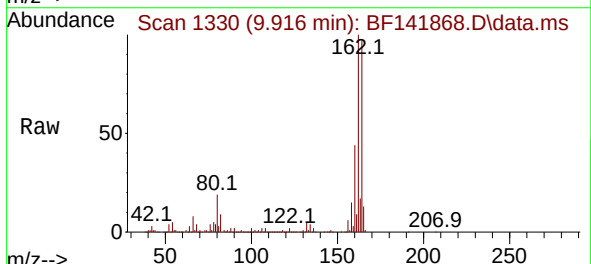
Instrument :
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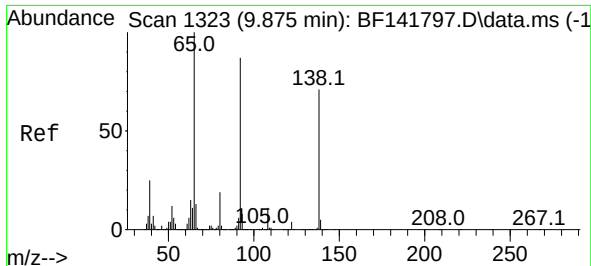
Tgt Ion: 65 Resp: 222
Ion Ratio Lower Upper
65 100
92 0.0 55.7 83.5#
138 0.0 80.6 121.0#



#51
2,6-Dinitrotoluene
Concen: 12.515 ng
RT: 9.916 min Scan# 1330
Delta R.T. 0.206 min
Lab File: BF141868.D
Acq: 06 Mar 2025 15:01

Tgt Ion:165 Resp: 40075
Ion Ratio Lower Upper
165 100
63 1.1 49.5 74.3#
89 1.2 49.0 73.4#





#53

3-Nitroaniline

Concen: 2.993 ng

RT: 9.892 min Scan# 11

Delta R.T. 0.017 min

Lab File: BF141868.D

Acq: 06 Mar 2025 15:01

Instrument :

BNA_F

ClientSampleId :

IDW-AQ-IW-03-COMP-022825

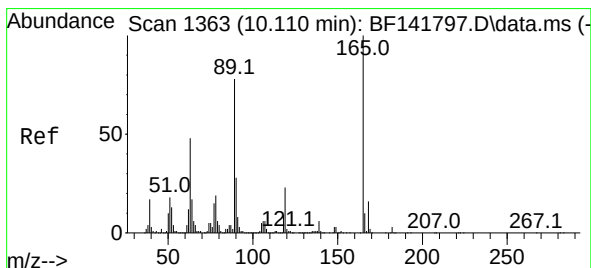
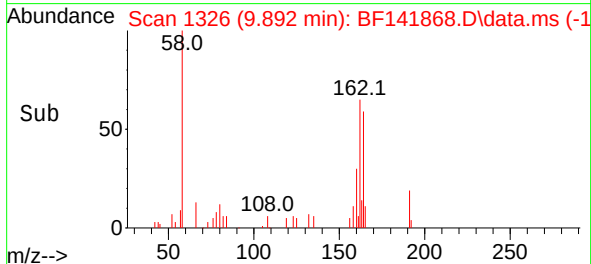
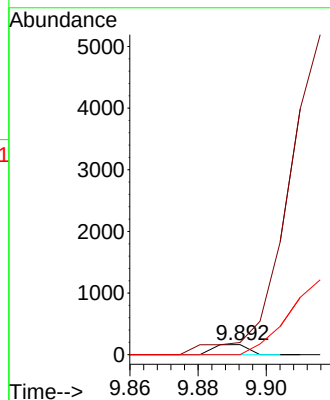
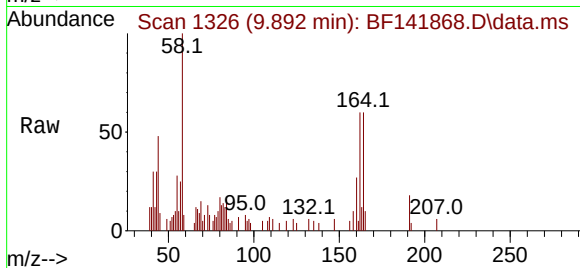
Tgt Ion:138 Resp: 115

Ion Ratio Lower Upper

138 100

108 119.5 12.7 19.1#

92 0.0 97.9 146.9#



#57

2,4-Dinitrotoluene

Concen: 11.333 ng

RT: 9.916 min Scan# 1330

Delta R.T. -0.194 min

Lab File: BF141868.D

Acq: 06 Mar 2025 15:01

Tgt Ion:165 Resp: 40075

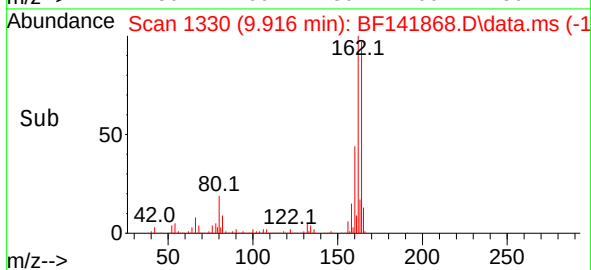
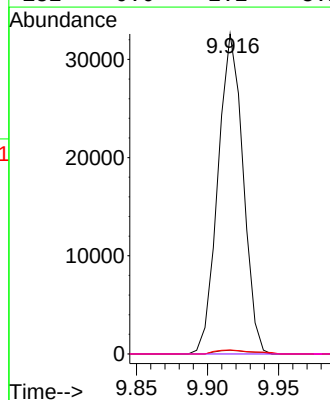
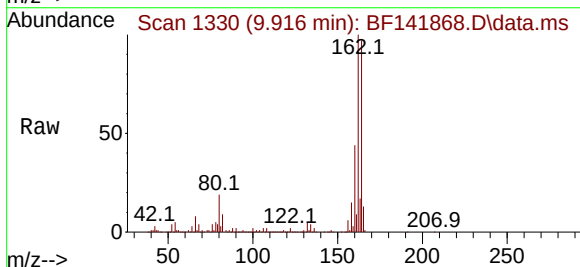
Ion Ratio Lower Upper

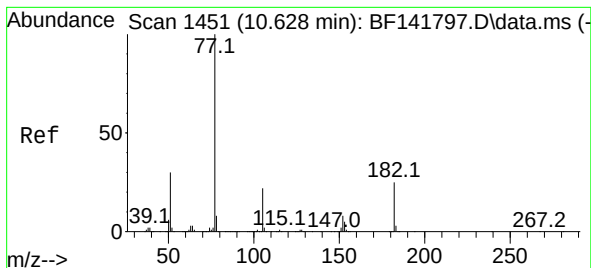
165 100

63 1.1 38.8 58.2#

89 1.2 62.6 94.0#

182 0.0 2.2 3.2#

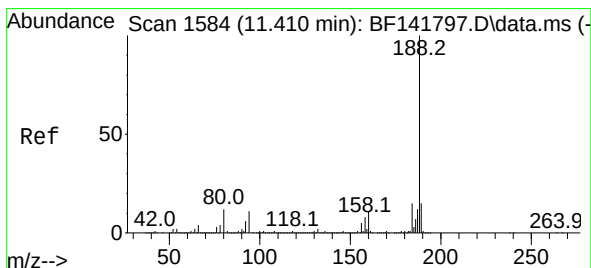
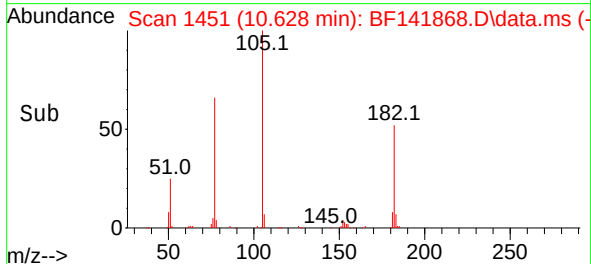
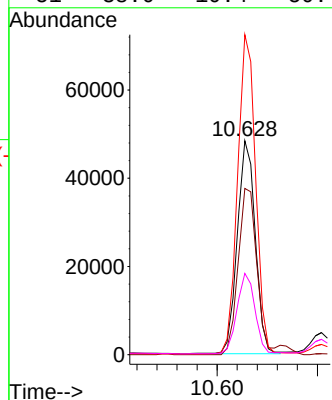
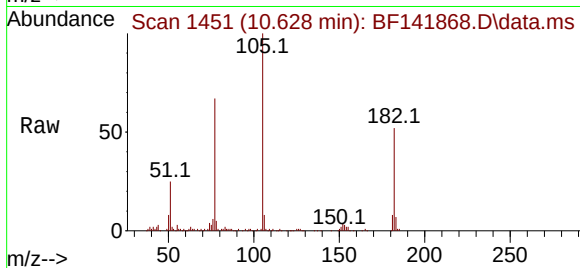




#63
Azobenzene
Concen: 2.800 ng
RT: 10.628 min Scan# 1451
Delta R.T. -0.000 min
Lab File: BF141868.D
Acq: 06 Mar 2025 15:01

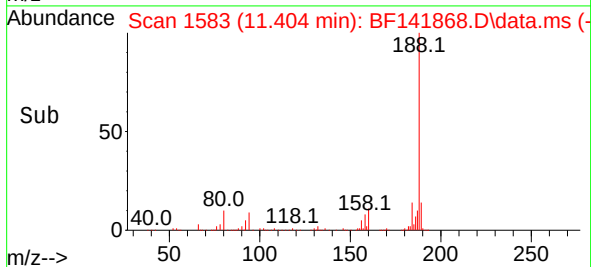
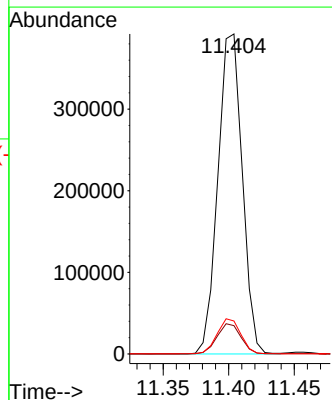
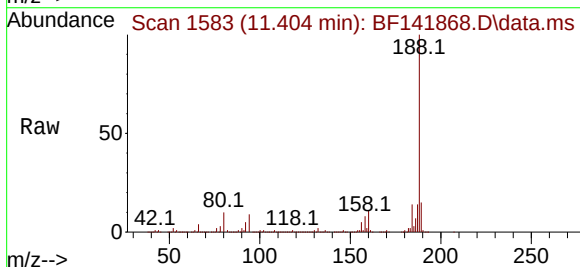
Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-03-COMP-022825

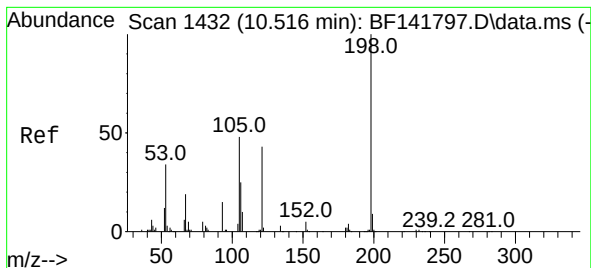
Tgt Ion:	77	Resp:	60162
Ion	Ratio	Lower	Upper
77	100		
182	77.7	4.2	44.2#
105	149.6	1.5	41.5#
51	38.0	10.4	50.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF141868.D
Acq: 06 Mar 2025 15:01

Tgt Ion:	188	Resp:	506428
Ion	Ratio	Lower	Upper
188	100		
94	8.9	8.9	13.3#
80	10.3	9.7	14.5

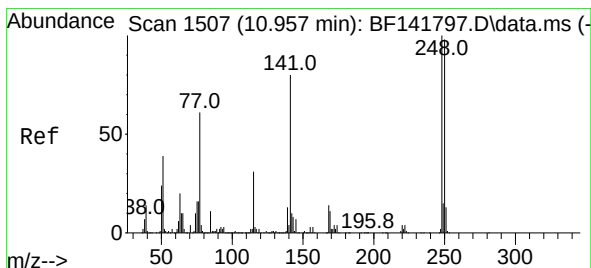
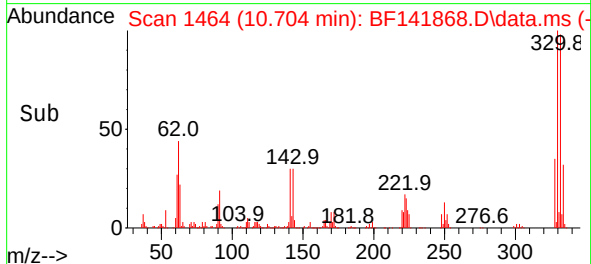
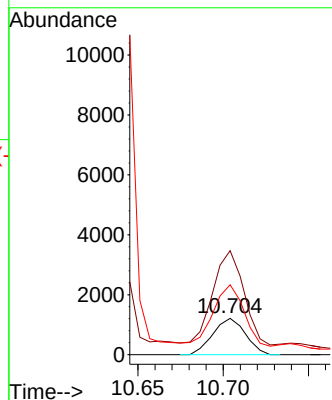
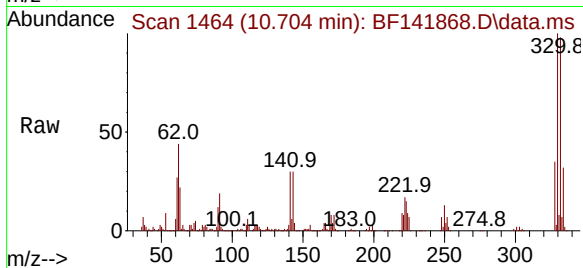




#65
4,6-Dinitro-2-methylphenol
Concen: 8.687 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.188 min
Lab File: BF141868.D
Acq: 06 Mar 2025 15:01

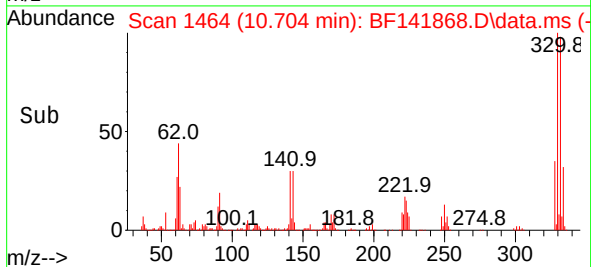
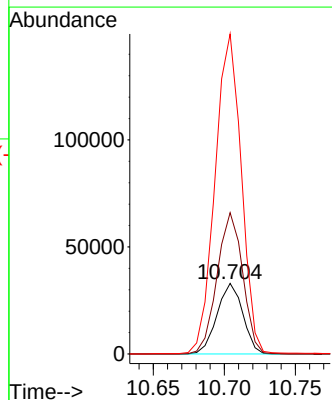
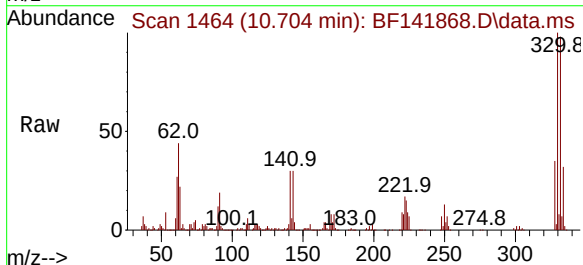
Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-03-COMP-022825

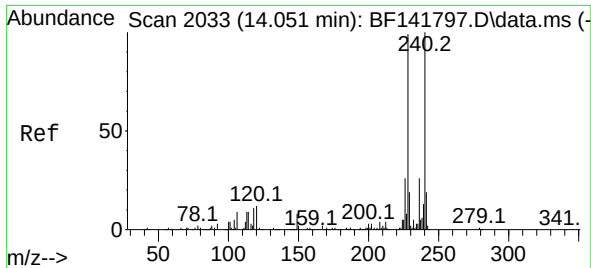
Tgt Ion:198 Resp: 1610
Ion Ratio Lower Upper
198 100
51 285.5 32.1 72.1#
105 191.9 28.5 68.5#



#67
4-Bromophenyl-phenylether
Concen: 7.018 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.253 min
Lab File: BF141868.D
Acq: 06 Mar 2025 15:01

Tgt Ion:248 Resp: 41515
Ion Ratio Lower Upper
248 100
250 200.4 78.1 117.1#
141 453.8 64.3 96.5#

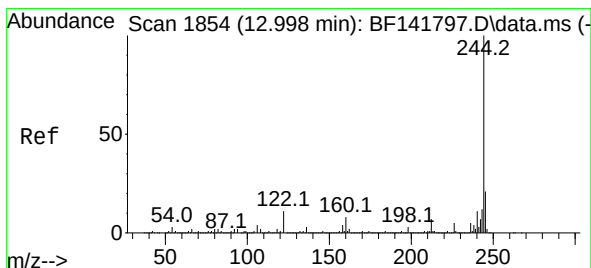
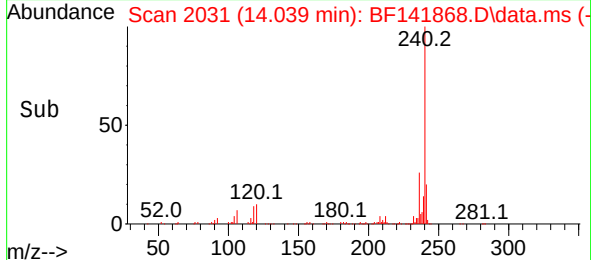
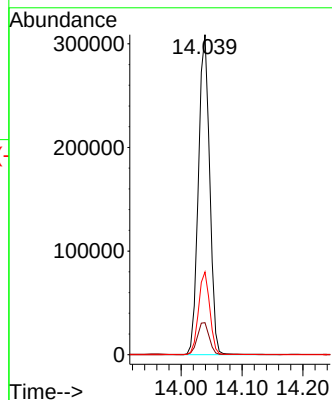
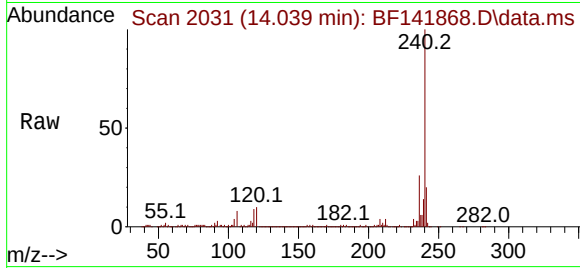




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF141868.D
Acq: 06 Mar 2025 15:01

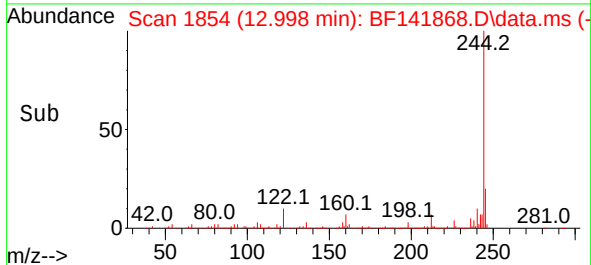
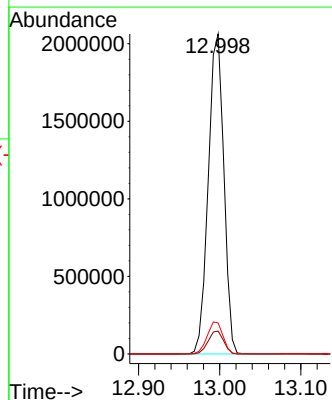
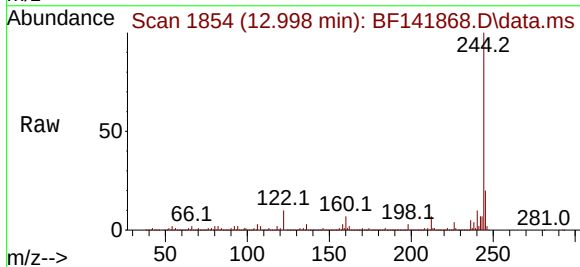
Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-03-COMP-022825

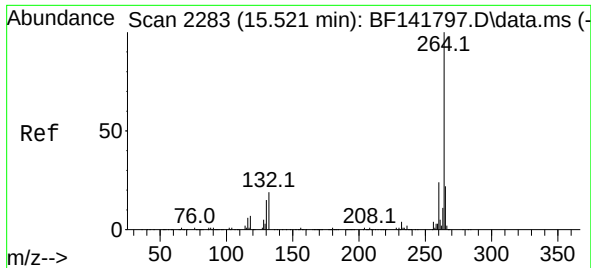
Tgt Ion:240 Resp: 396116
Ion Ratio Lower Upper
240 100
120 10.0 9.7 14.5
236 25.9 21.0 31.4



#79
Terphenyl-d14
Concen: 111.710 ng
RT: 12.998 min Scan# 1854
Delta R.T. -0.000 min
Lab File: BF141868.D
Acq: 06 Mar 2025 15:01

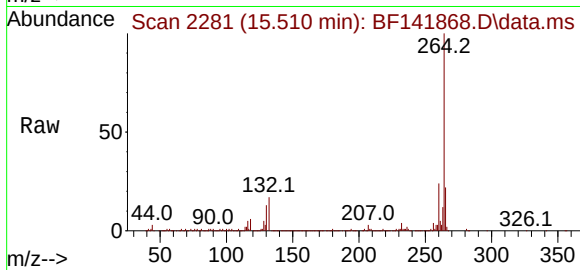
Tgt Ion:244 Resp: 2735004
Ion Ratio Lower Upper
244 100
212 7.2 6.0 9.0
122 9.7 9.0 13.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.510 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF141868.D
 Acq: 06 Mar 2025 15:01

Instrument :
 BNA_F
 ClientSampleId :
 IDW-AQ-IW-03-COMP-022825



Tgt Ion:264 Resp: 368667
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.9 28.3
 265 22.3 17.4 26.0

