

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
 Data File : BF142196.D
 Acq On : 31 Mar 2025 22:55
 Operator : RC/JU
 Sample : Q1671-04
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Apr 01 00:49:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

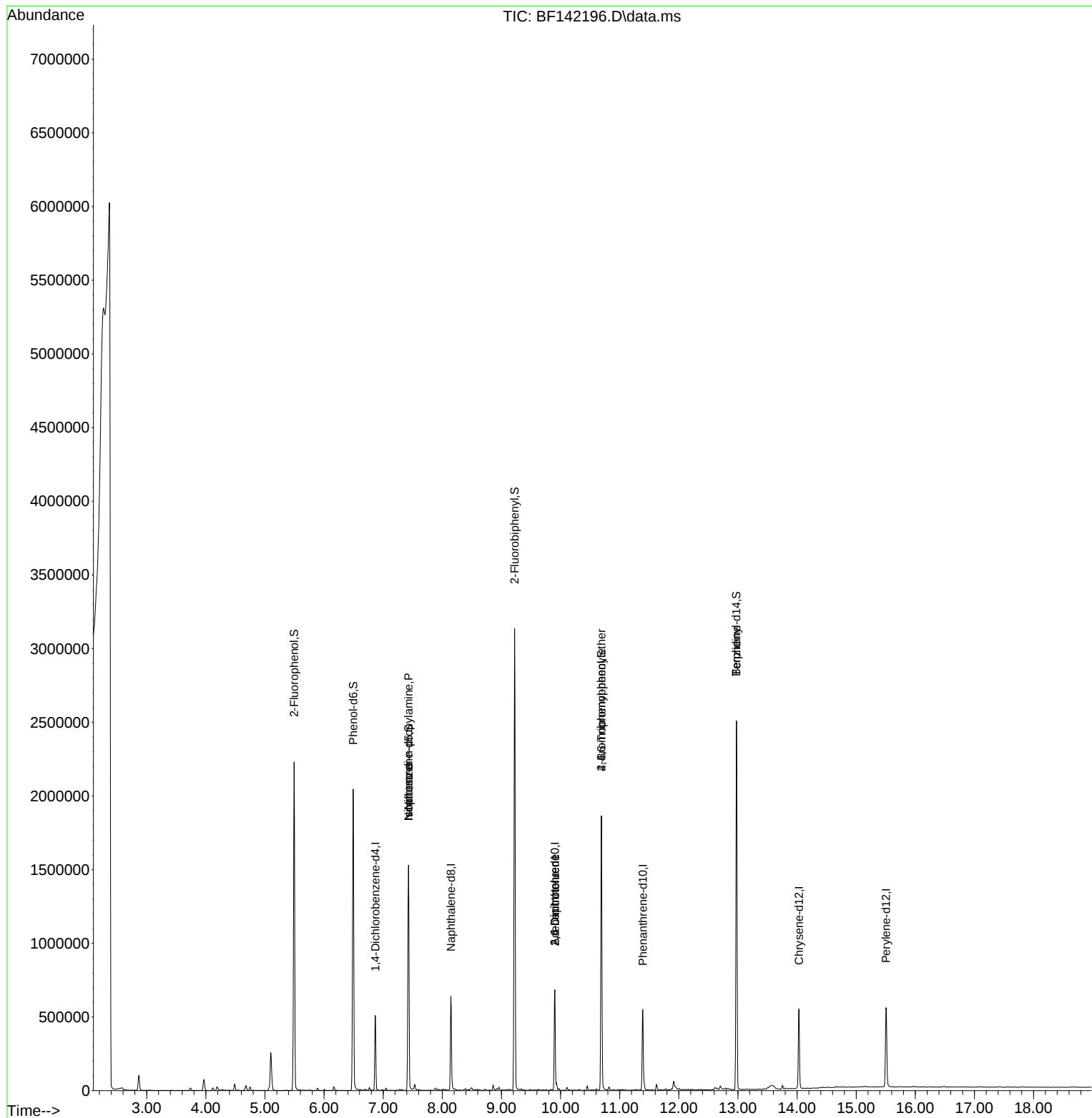
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	114944	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	423799	20.000	ng	-0.02
39) Acenaphthene-d10	9.904	164	210435	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	294635	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	284535	20.000	ng	0.00
86) Perylene-d12	15.504	264	341380	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	894843	129.929	ng	0.00
7) Phenol-d6	6.492	99	1018567	116.157	ng	-0.01
23) Nitrobenzene-d5	7.428	82	704476	93.547	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	355627	133.211	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	1390459	100.488	ng	-0.02
79) Terphenyl-d14	12.974	244	1229072	63.863	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	95944	17.028	ng	# 76
25) Isophorone	7.428	82	695234	52.227	ng	# 64
51) 2,6-Dinitrotoluene	9.904	165	27618	9.001	ng	# 23
57) 2,4-Dinitrotoluene	9.904	165	27618	6.892	ng	# 24
67) 4-Bromophenyl-phenylether	10.692	248	21511	5.813	ng	# 1
77) Benzidine	12.974	184	17000	4.282	ng	# 94

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

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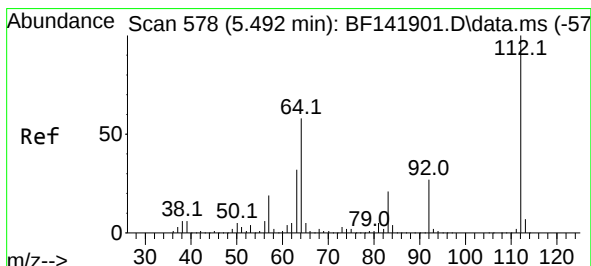
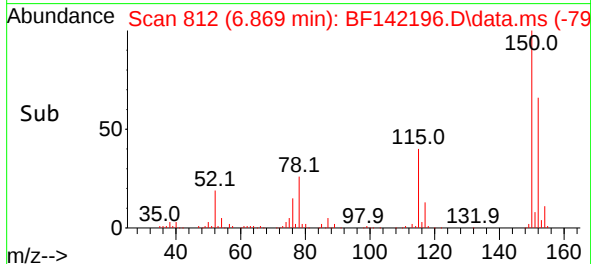
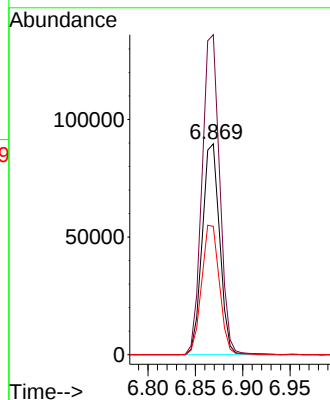
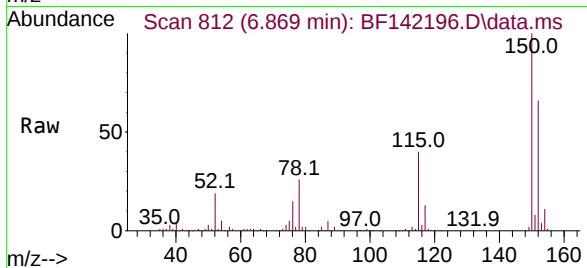




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 814
Delta R.T. -0.012 min
Lab File: BF142196.D
Acq: 31 Mar 2025 22:55

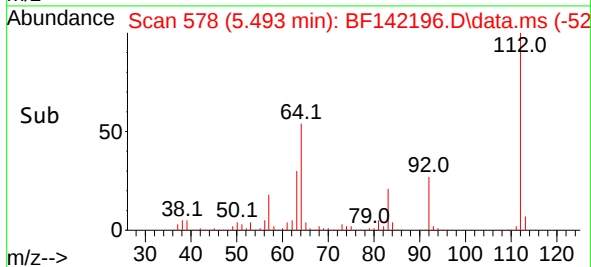
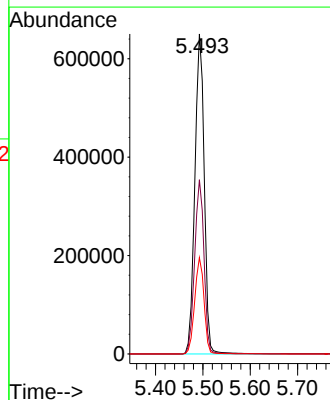
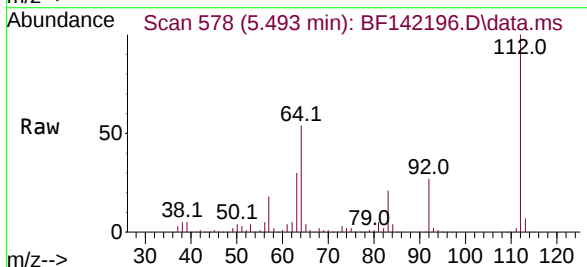
Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:152 Resp: 114944
Ion Ratio Lower Upper
152 100
150 151.7 127.4 191.2
115 60.8 51.9 77.9



#5
2-Fluorophenol
Concen: 129.929 ng
RT: 5.493 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF142196.D
Acq: 31 Mar 2025 22:55

Tgt Ion:112 Resp: 894843
Ion Ratio Lower Upper
112 100
64 54.4 46.5 69.7
63 30.1 25.4 38.2





#7
Phenol-d6
Concen: 116.157 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF142196.D
Acq: 31 Mar 2025 22:55

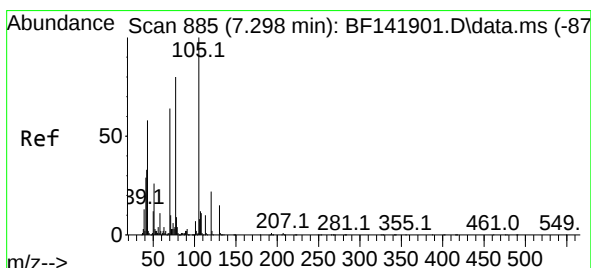
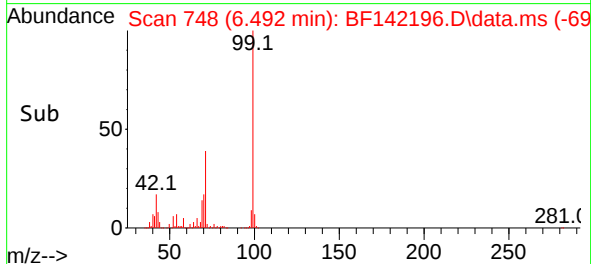
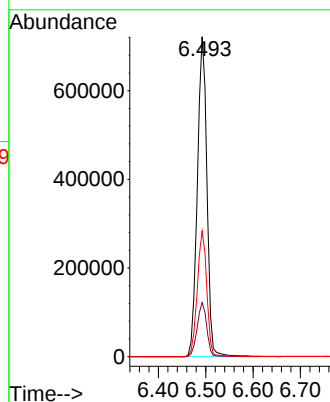
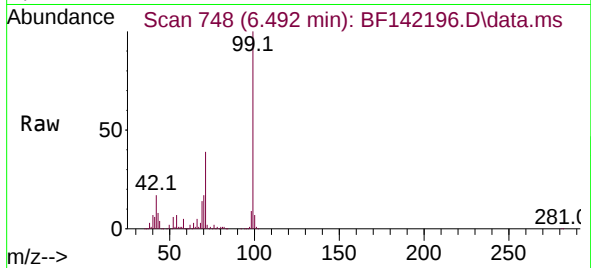
Instrument :

BNA_F

ClientSampleId :

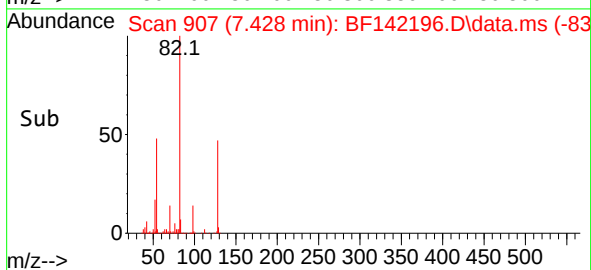
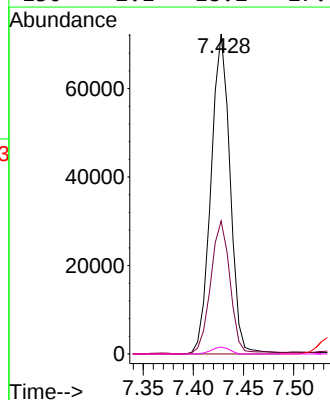
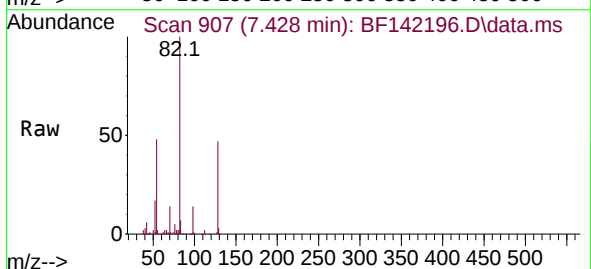
WC-1

Tgt Ion: 99 Resp: 1018567
Ion Ratio Lower Upper
99 100
42 16.9 14.6 21.8
71 39.3 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 17.028 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.130 min
Lab File: BF142196.D
Acq: 31 Mar 2025 22:55

Tgt Ion: 70 Resp: 95944
Ion Ratio Lower Upper
70 100
42 41.6 41.4 62.0
101 0.0 8.2 12.2#
130 2.1 18.2 27.4#



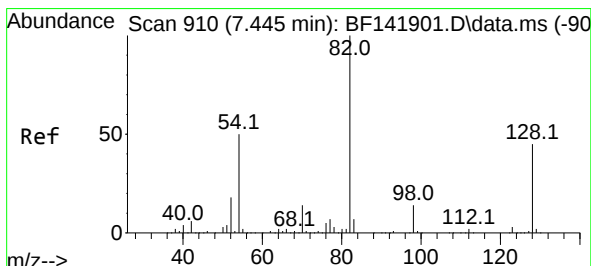
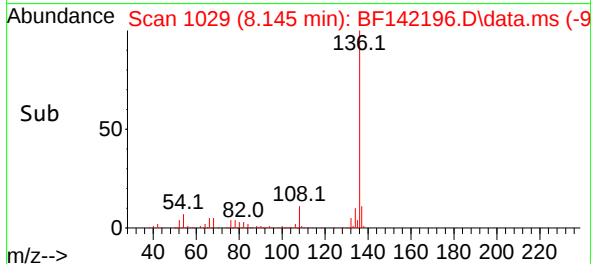
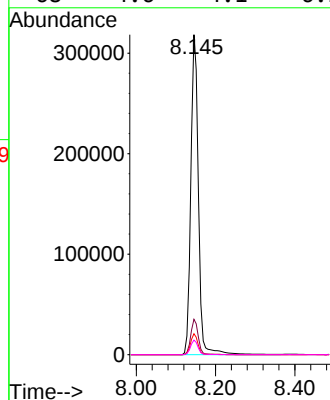
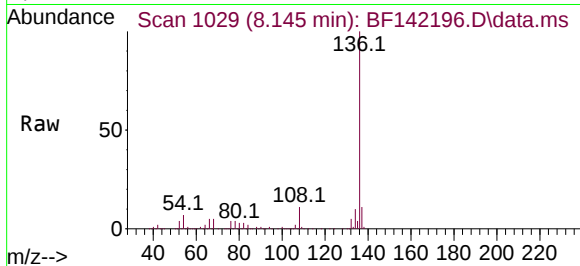


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 10
Delta R.T. -0.018 min
Lab File: BF142196.D
Acq: 31 Mar 2025 22:55

Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:136 Resp: 423799

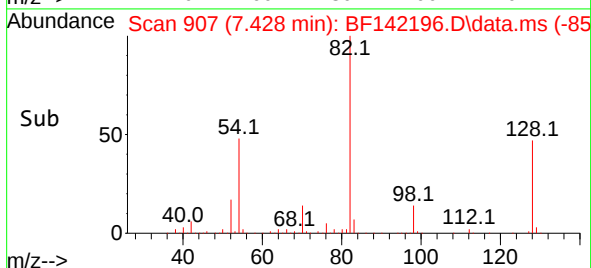
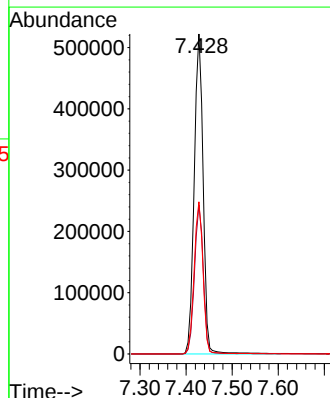
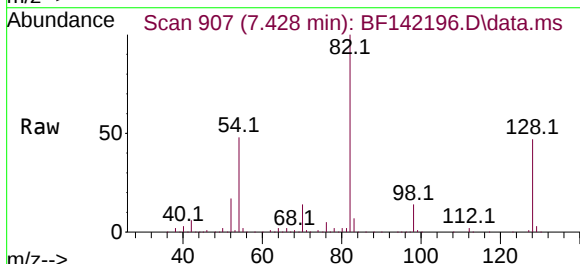
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	6.5	5.8	8.8
68	4.6	4.1	6.1



#23
Nitrobenzene-d5
Concen: 93.547 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.018 min
Lab File: BF142196.D
Acq: 31 Mar 2025 22:55

Tgt Ion: 82 Resp: 704476

Ion	Ratio	Lower	Upper
82	100		
128	46.6	36.0	54.0
54	47.6	39.6	59.4

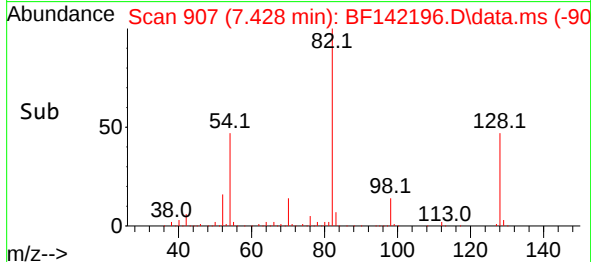
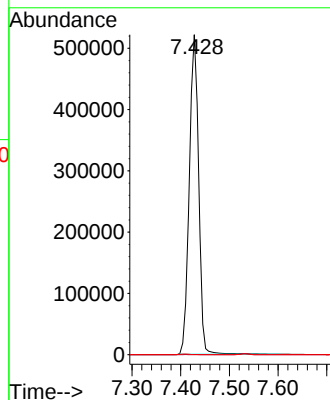
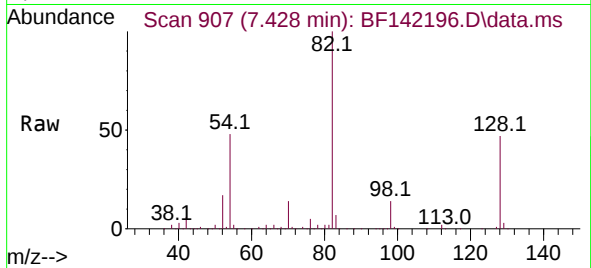




#25
Isophorone
Concen: 52.227 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.276 min
Lab File: BF142196.D
Acq: 31 Mar 2025 22:55

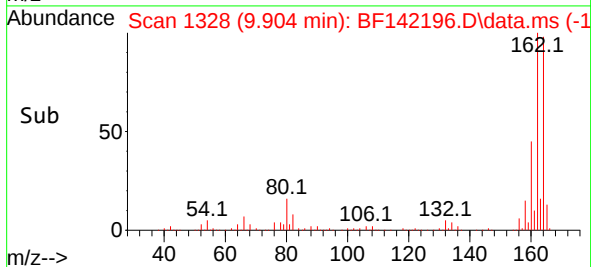
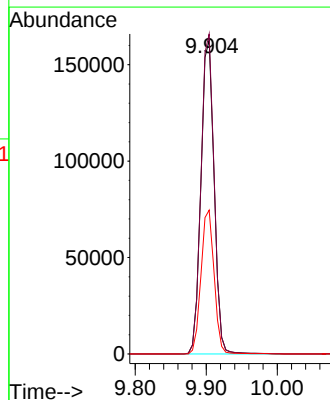
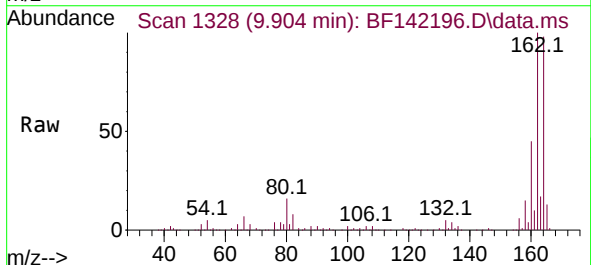
Instrument :
BNA_F
ClientSampleId :
WC-1

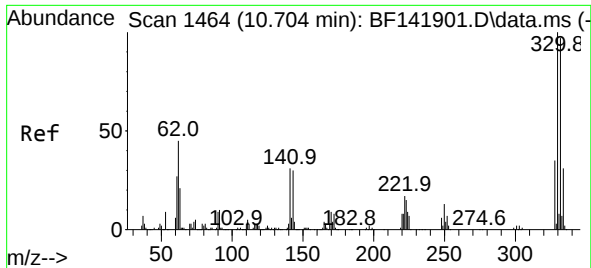
Tgt Ion: 82 Resp: 695234
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142196.D
Acq: 31 Mar 2025 22:55

Tgt Ion:164 Resp: 210435
Ion Ratio Lower Upper
164 100
162 102.0 81.8 122.6
160 45.8 36.7 55.1

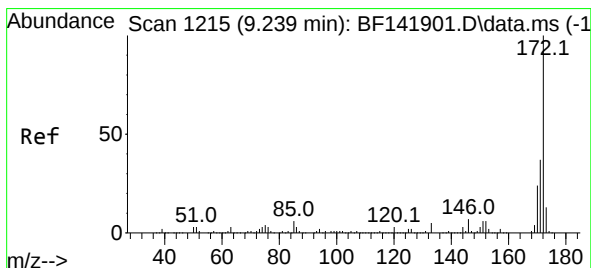
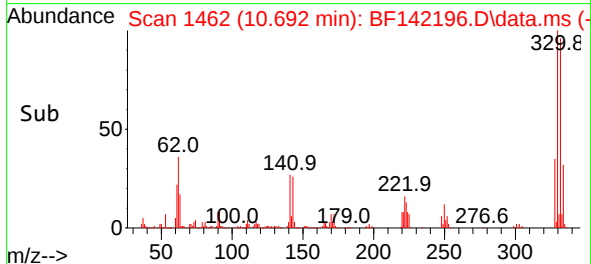
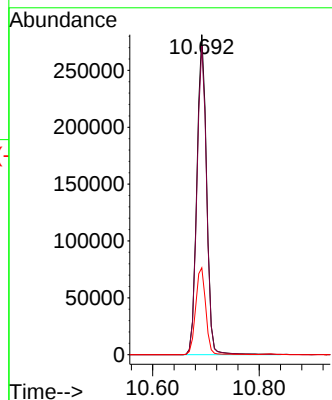
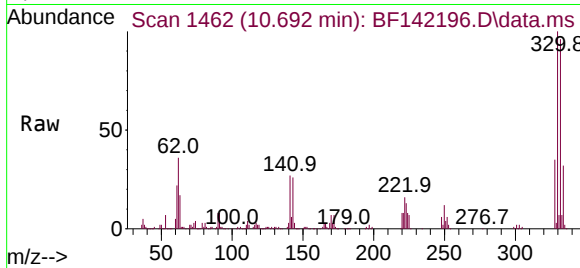




#42
 2,4,6-Tribromophenol
 Concen: 133.211 ng
 RT: 10.692 min Scan# 1462
 Delta R.T. -0.012 min
 Lab File: BF142196.D
 Acq: 31 Mar 2025 22:55

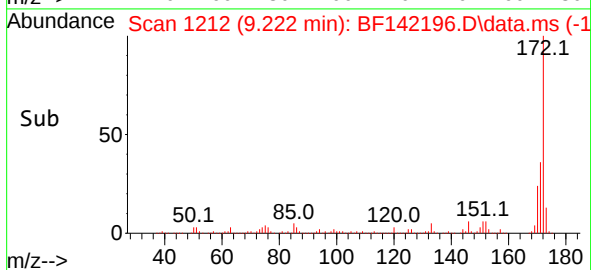
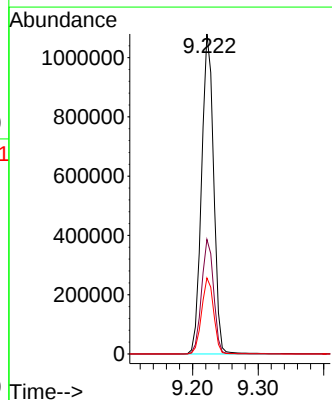
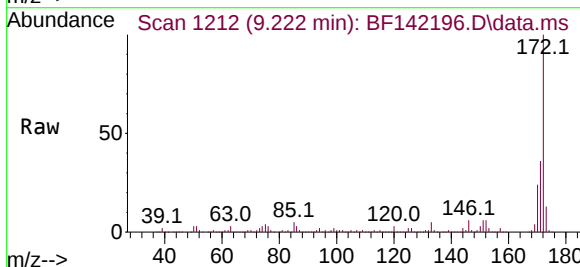
Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Tgt Ion:330 Resp: 355627
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.6 116.4
 141 28.3 24.7 37.1



#45
 2-Fluorobiphenyl
 Concen: 100.488 ng
 RT: 9.222 min Scan# 1212
 Delta R.T. -0.018 min
 Lab File: BF142196.D
 Acq: 31 Mar 2025 22:55

Tgt Ion:172 Resp: 1390459
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.3 43.9
 170 23.8 19.4 29.0

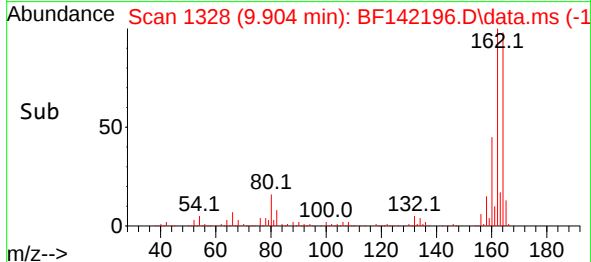
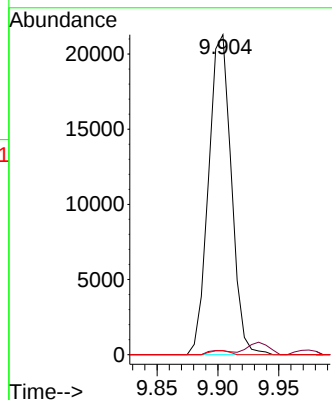
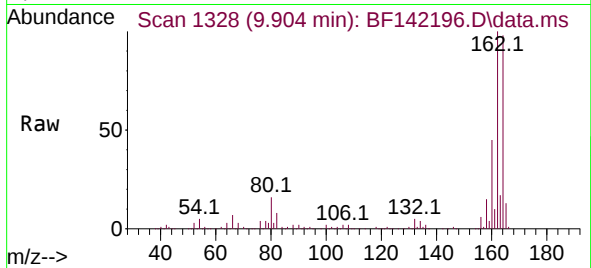




#51
2,6-Dinitrotoluene
Concen: 9.001 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142196.D
Acq: 31 Mar 2025 22:55

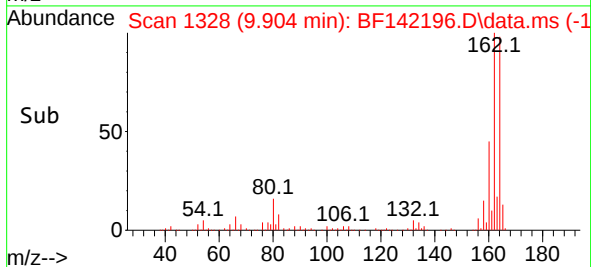
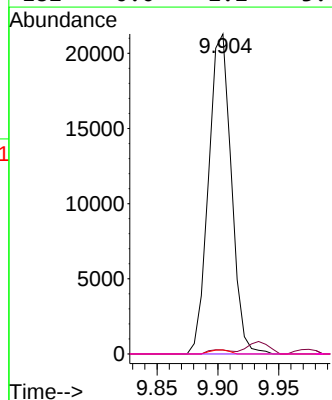
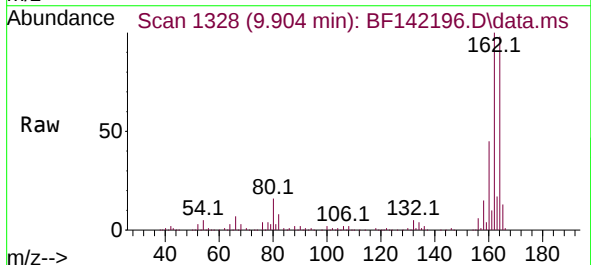
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ClientSampleId :
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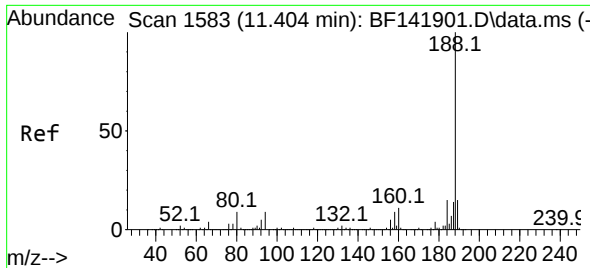
Tgt Ion:165 Resp: 27618
Ion Ratio Lower Upper
165 100
63 1.3 47.0 70.4#
89 1.2 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 6.892 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.200 min
Lab File: BF142196.D
Acq: 31 Mar 2025 22:55

Tgt Ion:165 Resp: 27618
Ion Ratio Lower Upper
165 100
63 1.3 35.4 53.2#
89 1.2 56.6 84.8#
182 0.0 2.2 3.4#

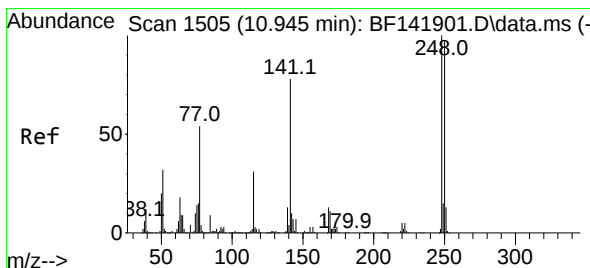
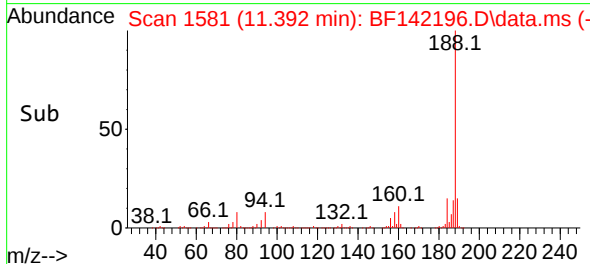
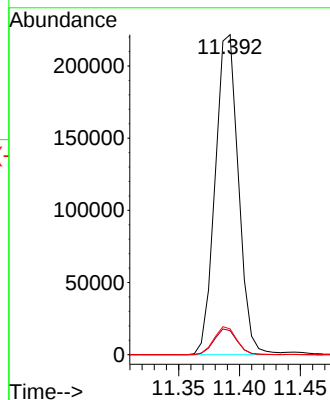
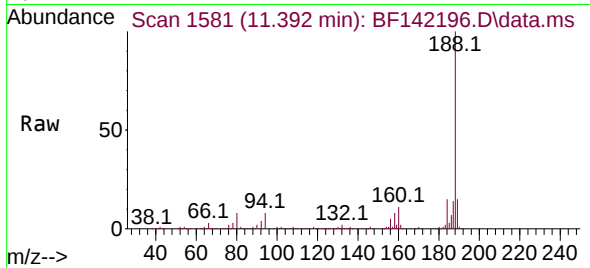




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142196.D
Acq: 31 Mar 2025 22:55

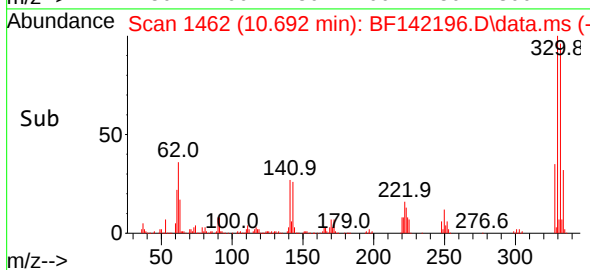
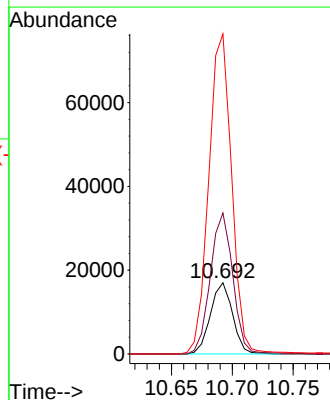
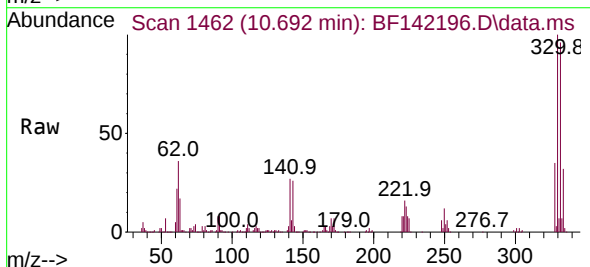
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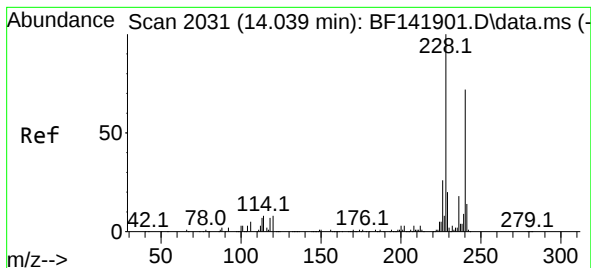
Tgt Ion:188 Resp: 294635
Ion Ratio Lower Upper
188 100
94 7.5 6.8 10.2
80 8.0 7.6 11.4



#67
4-Bromophenyl-phenylether
Concen: 5.813 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.253 min
Lab File: BF142196.D
Acq: 31 Mar 2025 22:55

Tgt Ion:248 Resp: 21511
Ion Ratio Lower Upper
248 100
250 197.9 77.8 116.8#
141 449.3 62.6 93.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF142196.D

Acq: 31 Mar 2025 22:55

Instrument :

BNA_F

ClientSampleId :

WC-1

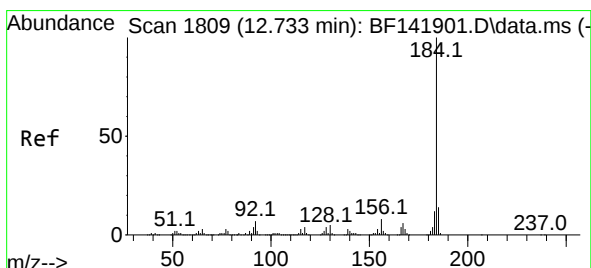
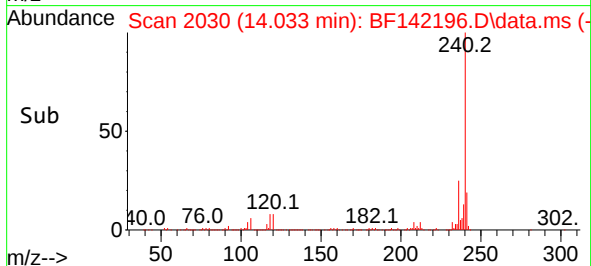
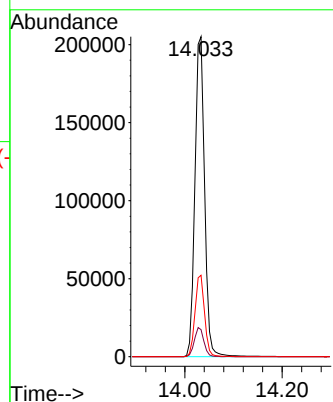
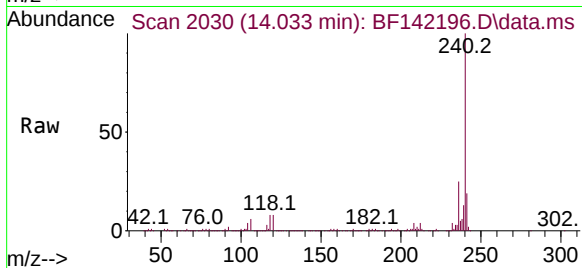
Tgt Ion:240 Resp: 284535

Ion Ratio Lower Upper

240 100

120 8.4 8.4 12.6

236 25.4 20.5 30.7



#77

Benzidine

Concen: 4.282 ng

RT: 12.974 min Scan# 1850

Delta R.T. 0.241 min

Lab File: BF142196.D

Acq: 31 Mar 2025 22:55

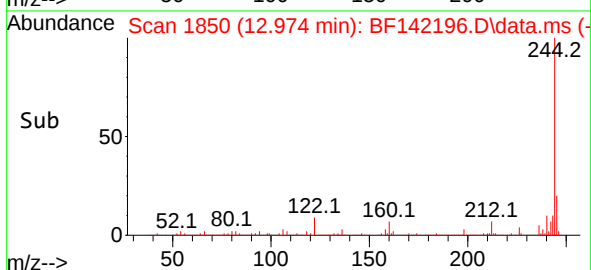
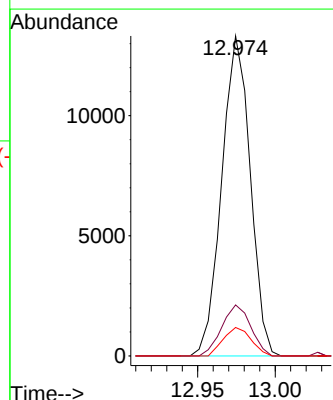
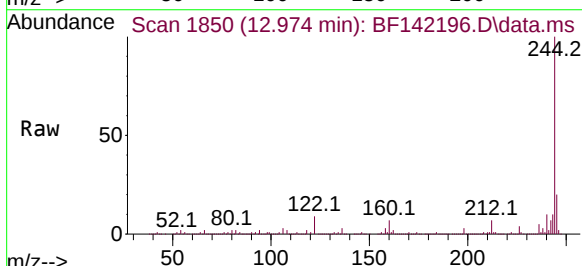
Tgt Ion:184 Resp: 17000

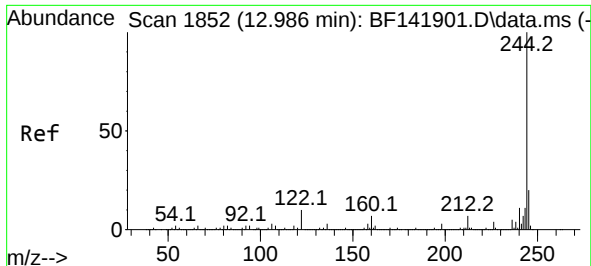
Ion Ratio Lower Upper

184 100

185 15.9 11.5 17.3

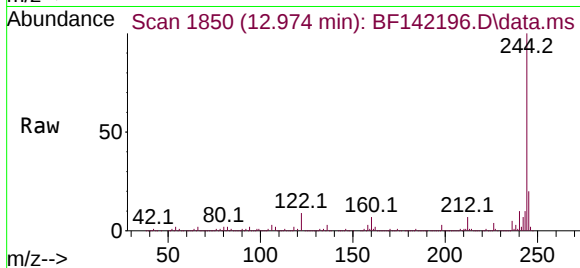
183 8.9 9.7 14.5#



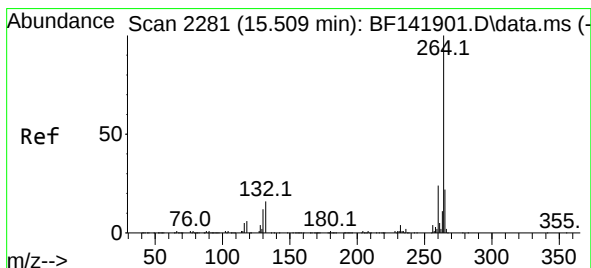
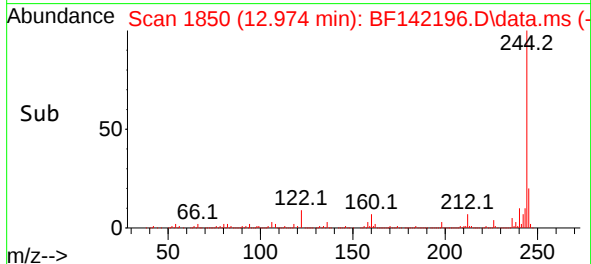
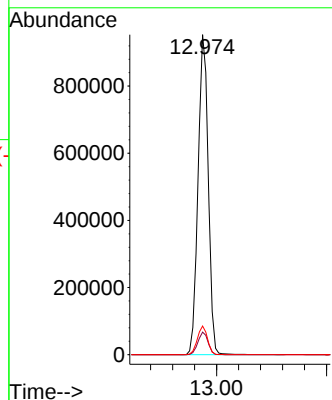


#79
 Terphenyl-d14
 Concen: 63.863 ng
 RT: 12.974 min Scan# 1850
 Delta R.T. -0.012 min
 Lab File: BF142196.D
 Acq: 31 Mar 2025 22:55

Instrument :
 BNA_F
 ClientSampleId :
 WC-1



Tgt Ion:244 Resp: 1229072
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 8.9 7.7 11.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.504 min Scan# 2280
 Delta R.T. -0.006 min
 Lab File: BF142196.D
 Acq: 31 Mar 2025 22:55

Tgt Ion:264 Resp: 341380
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.1 28.7
 265 21.4 17.5 26.3

