

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062625\
 Data File : BF142874.D
 Acq On : 26 Jun 2025 18:05
 Operator : RC/JU
 Sample : Q2425-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

Quant Time: Jun 26 18:26:13 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

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

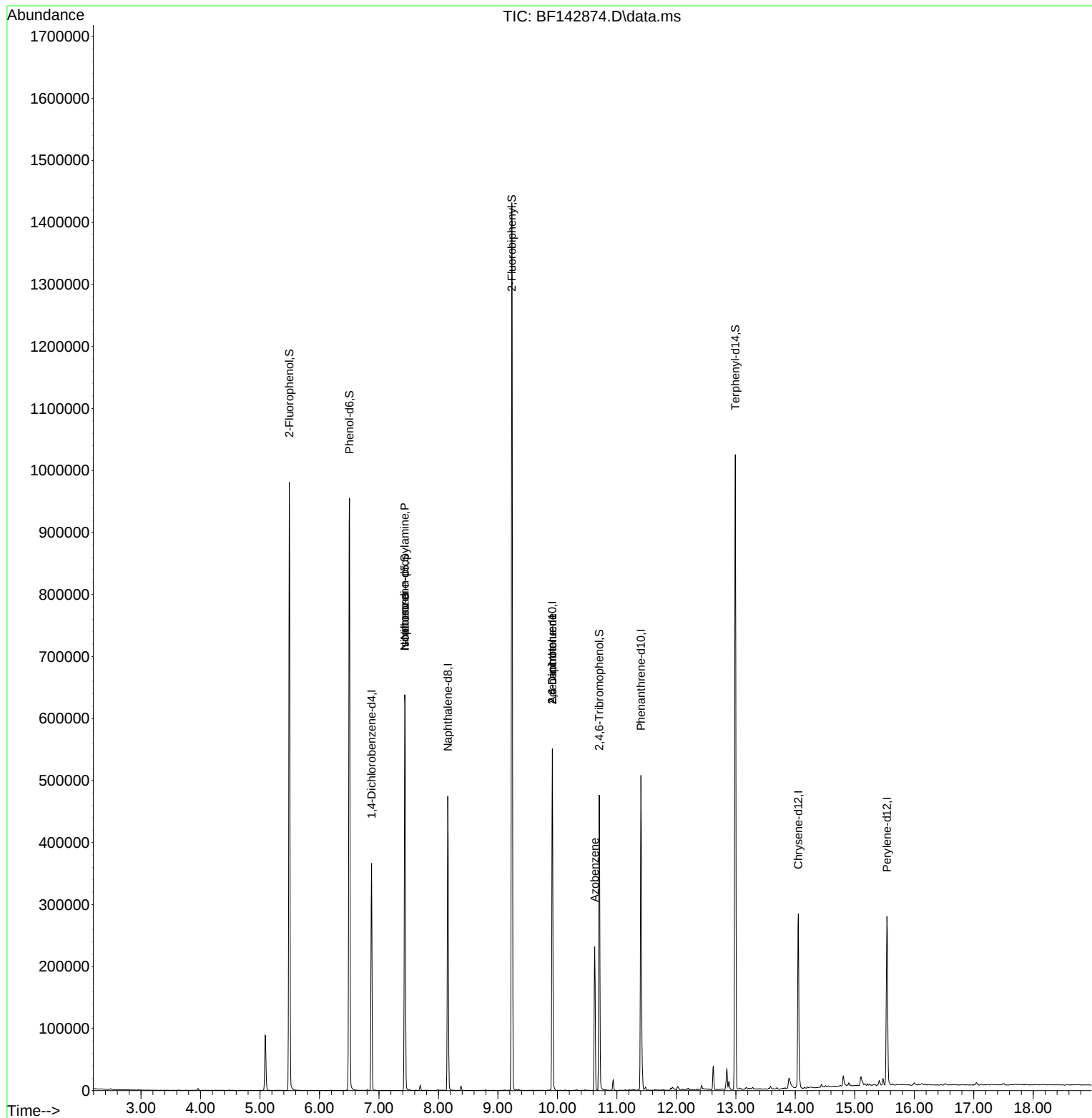
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	80015	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	306273	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	163617	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	266840	20.000	ng	0.00
76) Chrysene-d12	14.051	240	136110	20.000	ng	0.00
86) Perylene-d12	15.539	264	163547	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	370830	77.161	ng	0.00
7) Phenol-d6	6.504	99	458335	80.834	ng	0.00
23) Nitrobenzene-d5	7.434	82	281264	50.372	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	83075	49.340	ng	-0.01
45) 2-Fluorobiphenyl	9.234	172	636753	51.125	ng	-0.01
79) Terphenyl-d14	12.992	244	496947	50.447	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	37562	11.390	ng	# 76
25) Isophorone	7.434	82	281260	31.400	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	20693	8.897	ng	# 27
57) 2,4-Dinitrotoluene	9.916	165	20693	6.698	ng	# 28
63) Azobenzene	10.628	77	54210	5.841	ng	# 1

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

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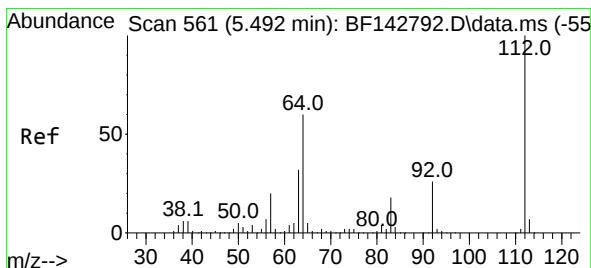
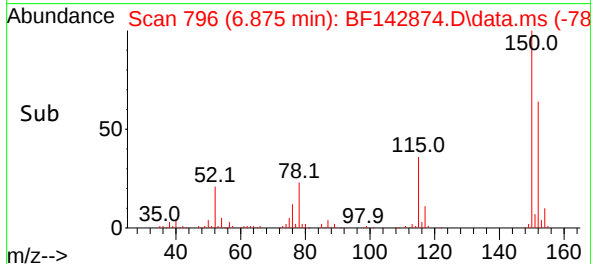
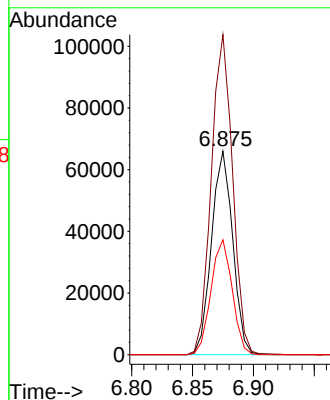
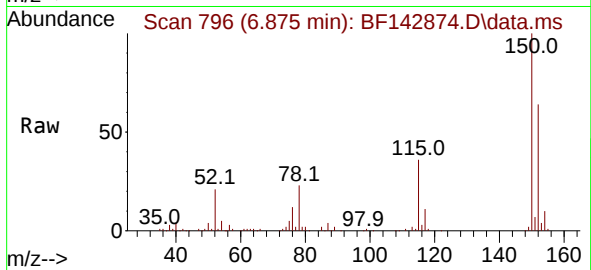




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF142874.D
Acq: 26 Jun 2025 18:05

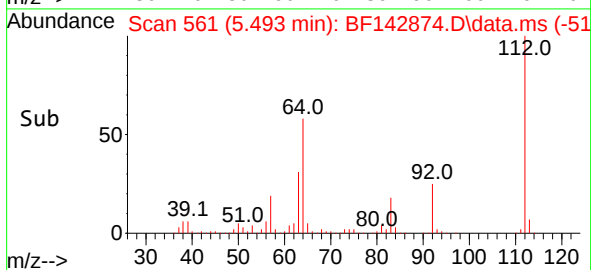
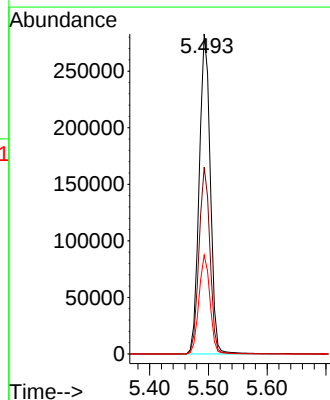
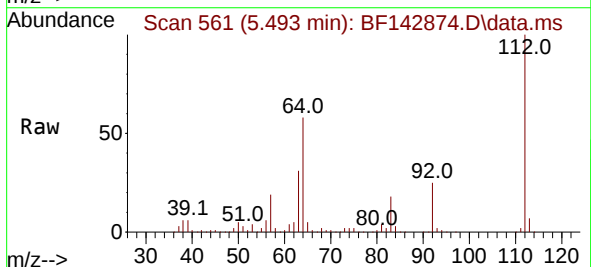
Instrument :
BNA_F
ClientSampleId :
COMP-1

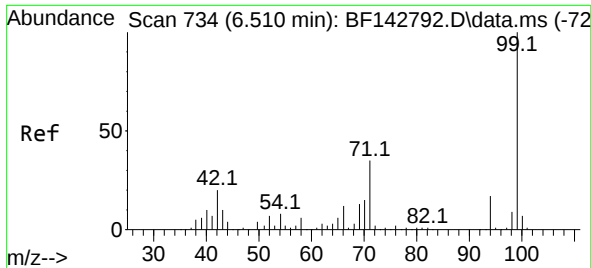
Tgt Ion:152 Resp: 80015
Ion Ratio Lower Upper
152 100
150 157.3 127.2 190.8
115 56.5 46.6 69.8



#5
2-Fluorophenol
Concen: 77.161 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.001 min
Lab File: BF142874.D
Acq: 26 Jun 2025 18:05

Tgt Ion:112 Resp: 370830
Ion Ratio Lower Upper
112 100
64 58.4 48.2 72.2
63 30.9 25.7 38.5

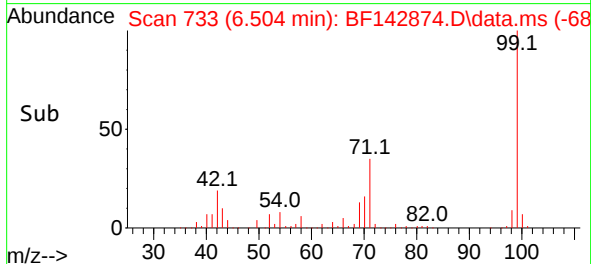
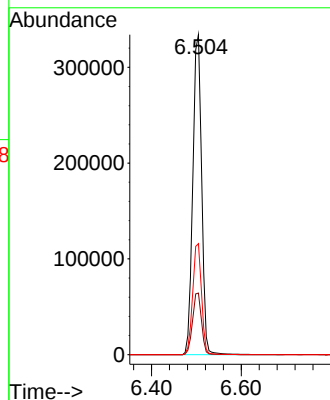
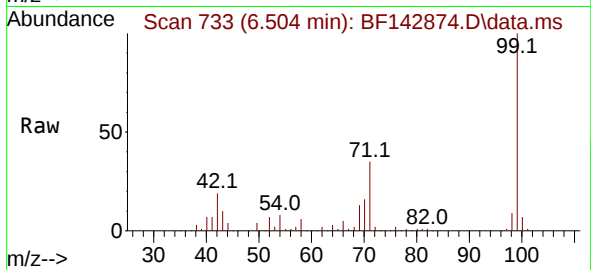




#7
Phenol-d6
Concen: 80.834 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142874.D
Acq: 26 Jun 2025 18:05

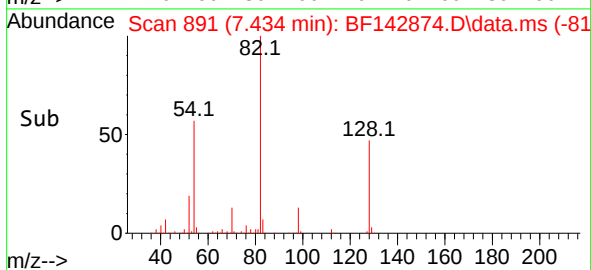
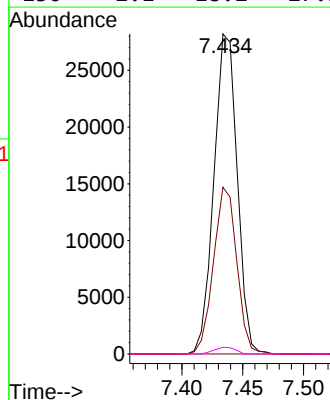
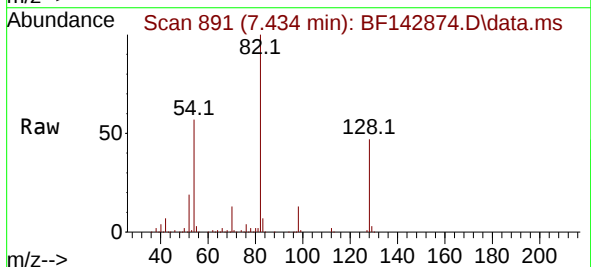
Instrument :
BNA_F
ClientSampleId :
COMP-1

Tgt Ion: 99 Resp: 458335
Ion Ratio Lower Upper
99 100
42 19.3 15.9 23.9
71 34.7 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 11.390 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.141 min
Lab File: BF142874.D
Acq: 26 Jun 2025 18:05

Tgt Ion: 70 Resp: 37562
Ion Ratio Lower Upper
70 100
42 52.1 52.1 78.1
101 0.0 8.2 12.2#
130 2.1 18.2 27.2#

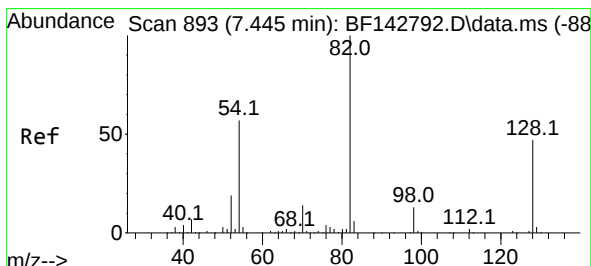
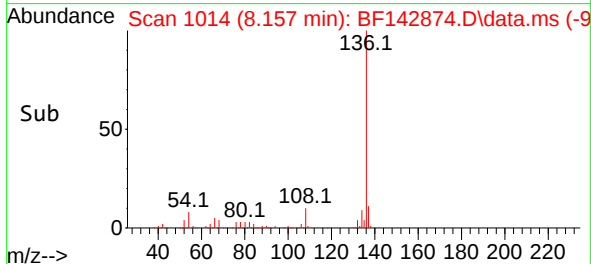
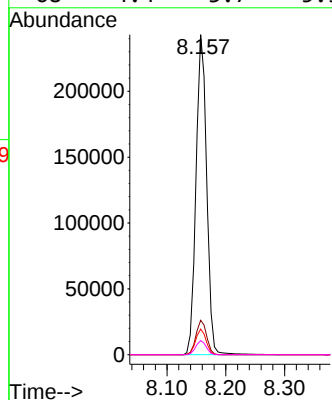
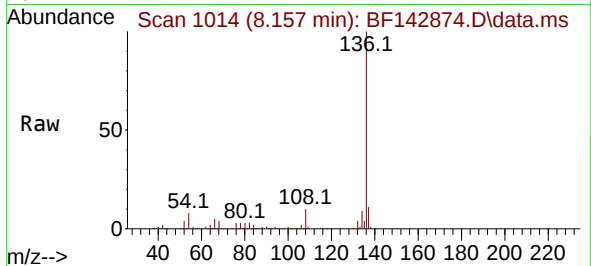




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142874.D
Acq: 26 Jun 2025 18:05

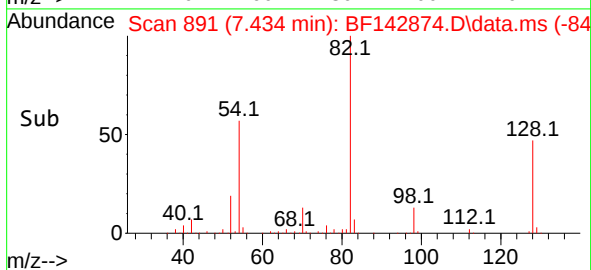
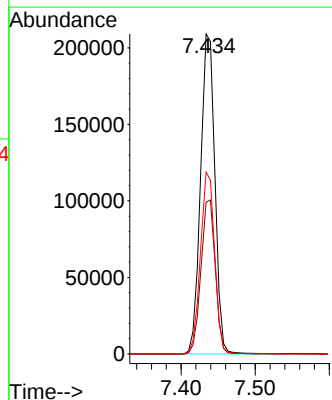
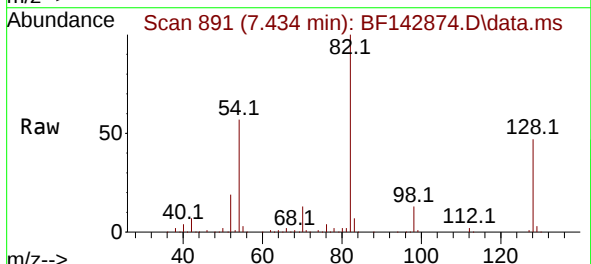
Instrument :
BNA_F
ClientSampleId :
COMP-1

Tgt Ion:136 Resp: 306273
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 8.0 6.3 9.5
68 4.4 3.7 5.5



#23
Nitrobenzene-d5
Concen: 50.372 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.011 min
Lab File: BF142874.D
Acq: 26 Jun 2025 18:05

Tgt Ion: 82 Resp: 281264
Ion Ratio Lower Upper
82 100
128 47.5 37.7 56.5
54 56.9 45.7 68.5

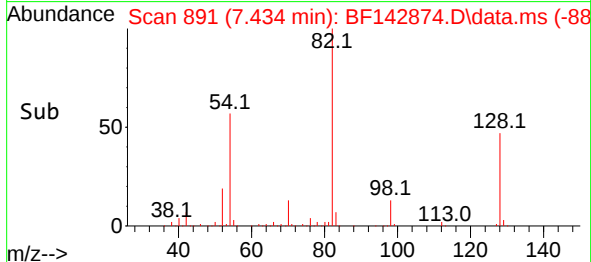
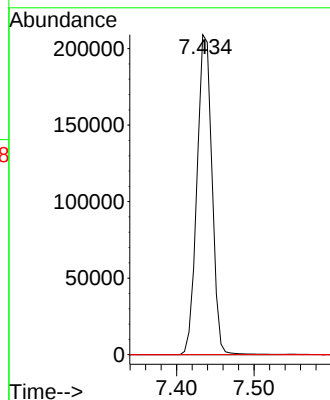
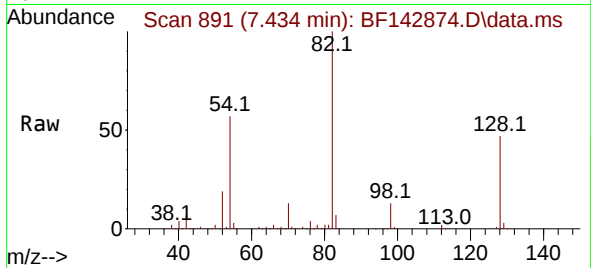




#25
Isophorone
Concen: 31.400 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.270 min
Lab File: BF142874.D
Acq: 26 Jun 2025 18:05

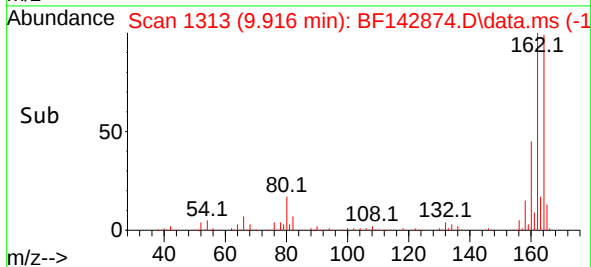
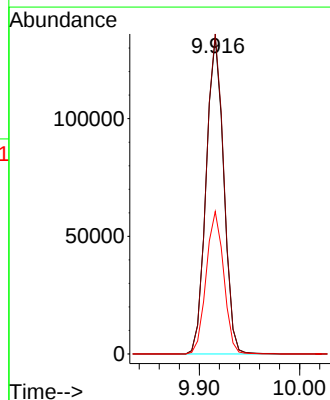
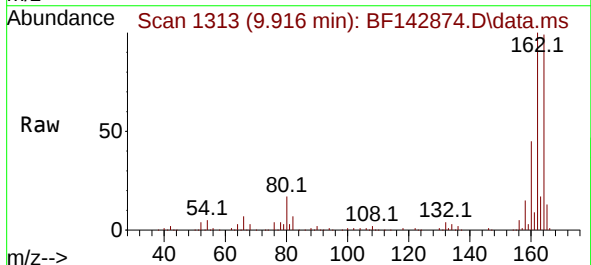
Instrument :
BNA_F
ClientSampleId :
COMP-1

Tgt Ion: 82 Resp: 281260
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142874.D
Acq: 26 Jun 2025 18:05

Tgt Ion:164 Resp: 163617
Ion Ratio Lower Upper
164 100
162 101.1 81.8 122.8
160 45.0 36.0 54.0

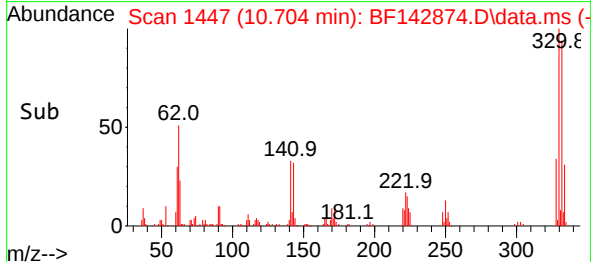
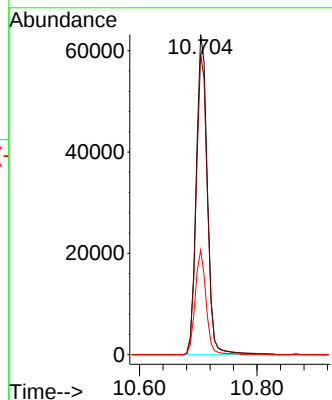
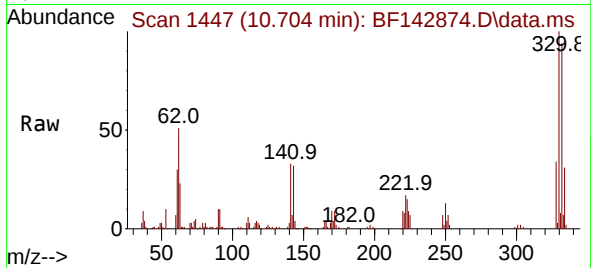




#42
 2,4,6-Tribromophenol
 Concen: 49.340 ng
 RT: 10.704 min Scan# 1447
 Delta R.T. -0.012 min
 Lab File: BF142874.D
 Acq: 26 Jun 2025 18:05

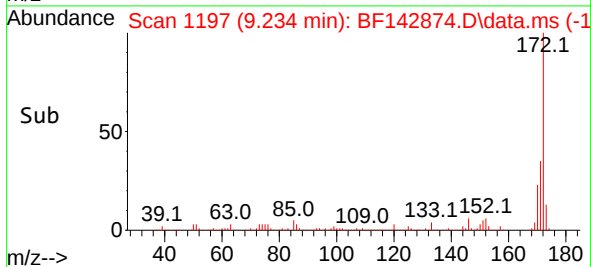
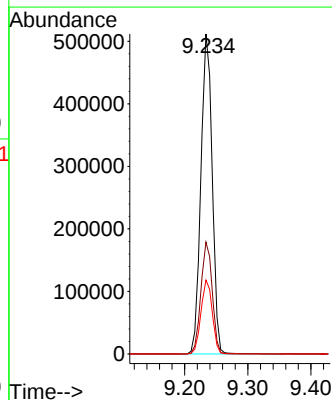
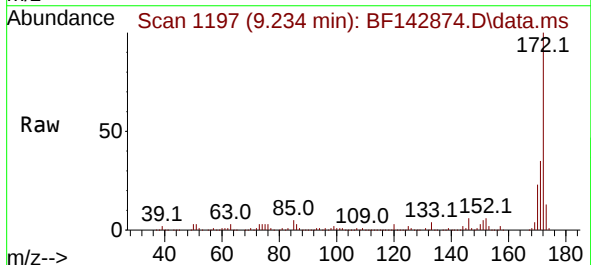
Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

Tgt Ion: 330 Resp: 83075
 Ion Ratio Lower Upper
 330 100
 332 94.5 75.0 112.6
 141 31.9 25.3 37.9



#45
 2-Fluorobiphenyl
 Concen: 51.125 ng
 RT: 9.234 min Scan# 1197
 Delta R.T. -0.011 min
 Lab File: BF142874.D
 Acq: 26 Jun 2025 18:05

Tgt Ion: 172 Resp: 636753
 Ion Ratio Lower Upper
 172 100
 171 34.9 28.2 42.4
 170 23.1 18.5 27.7

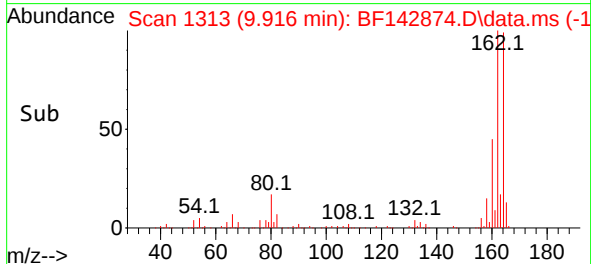
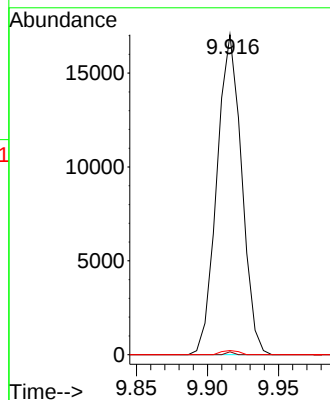
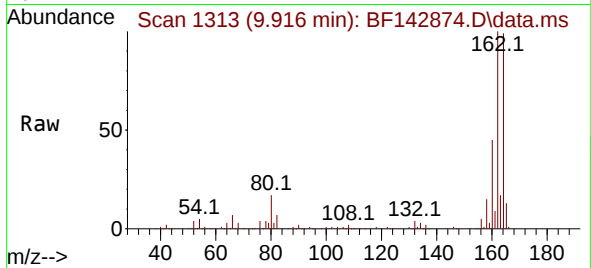




#51
2,6-Dinitrotoluene
Concen: 8.897 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF142874.D
Acq: 26 Jun 2025 18:05

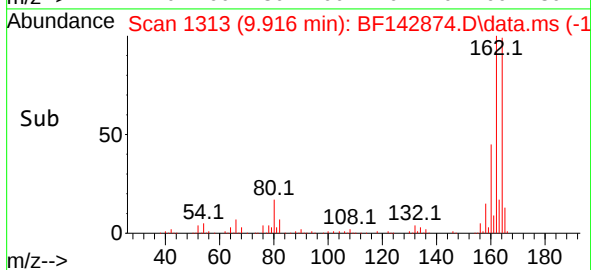
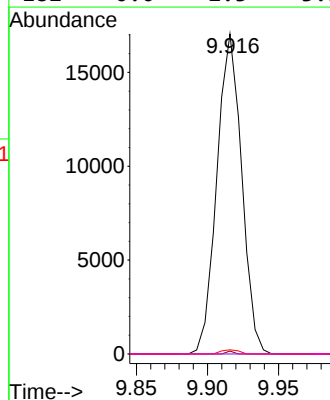
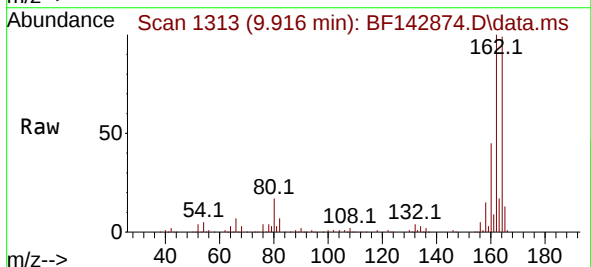
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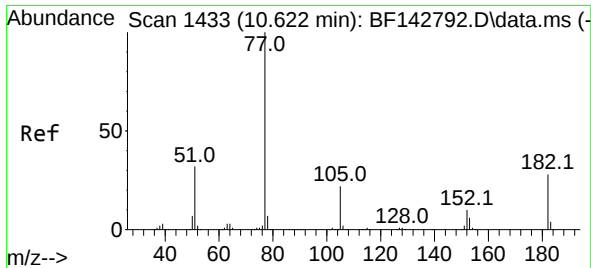
Tgt Ion:165 Resp: 20693
Ion Ratio Lower Upper
165 100
63 0.9 44.2 66.4#
89 1.3 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.698 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.194 min
Lab File: BF142874.D
Acq: 26 Jun 2025 18:05

Tgt Ion:165 Resp: 20693
Ion Ratio Lower Upper
165 100
63 0.9 33.9 50.9#
89 1.3 50.6 75.8#
182 0.0 2.3 3.5#

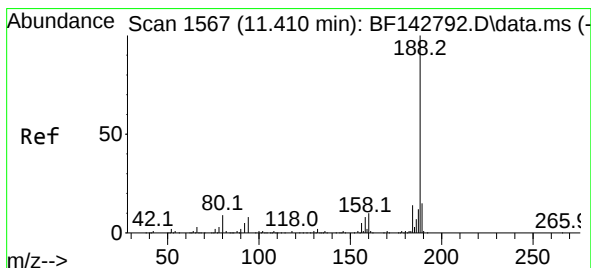
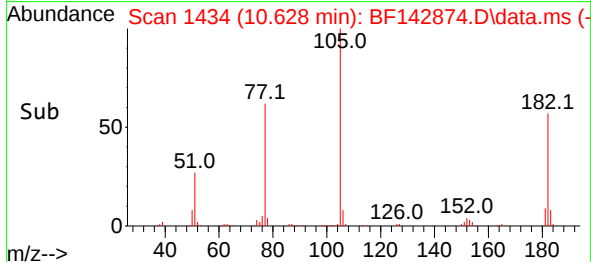
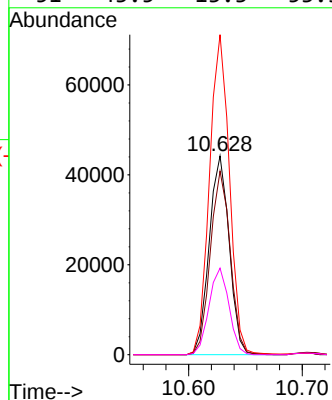
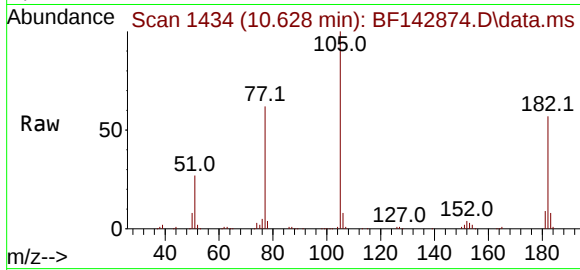




#63
Azobenzene
Concen: 5.841 ng
RT: 10.628 min Scan# 1433
Delta R.T. 0.006 min
Lab File: BF142874.D
Acq: 26 Jun 2025 18:05

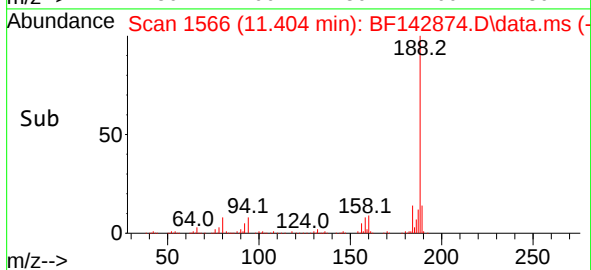
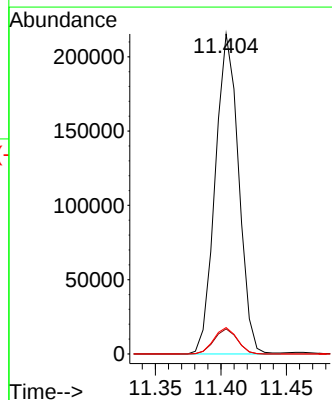
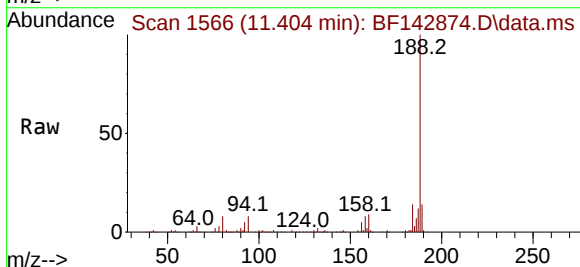
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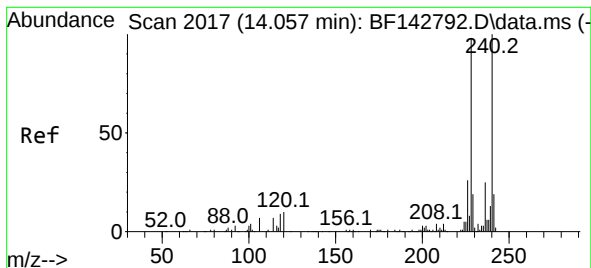
Tgt Ion: 77 Resp: 54210
Ion Ratio Lower Upper
77 100
182 92.4 7.7 47.7#
105 161.1 1.9 41.9#
51 43.5 13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF142874.D
Acq: 26 Jun 2025 18:05

Tgt Ion: 188 Resp: 266840
Ion Ratio Lower Upper
188 100
94 7.8 6.7 10.1
80 8.3 6.9 10.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2017

Delta R.T. -0.006 min

Lab File: BF142874.D

Acq: 26 Jun 2025 18:05

Instrument :

BNA_F

ClientSampleId :

COMP-1

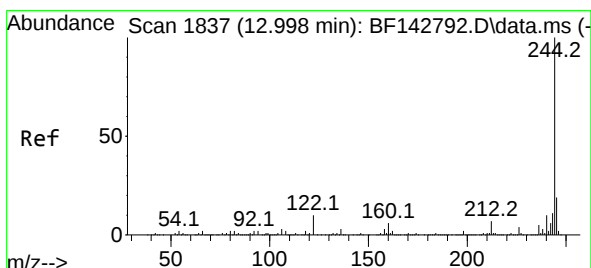
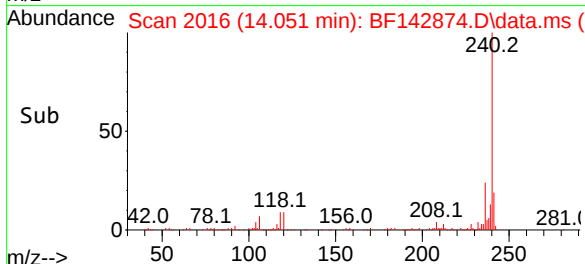
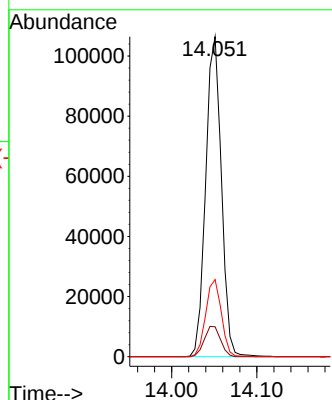
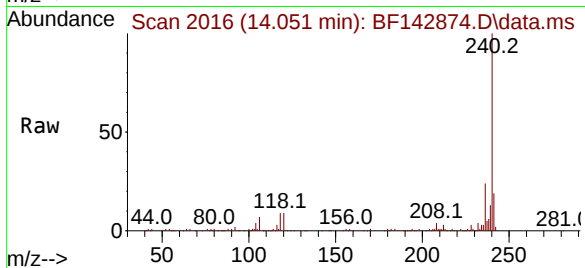
Tgt Ion:240 Resp: 136110

Ion Ratio Lower Upper

240 100

120 9.4 8.2 12.2

236 24.1 19.8 29.8



#79

Terphenyl-d14

Concen: 50.447 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF142874.D

Acq: 26 Jun 2025 18:05

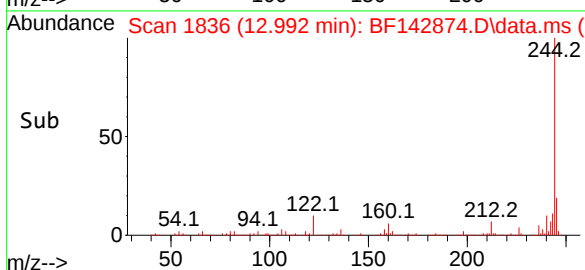
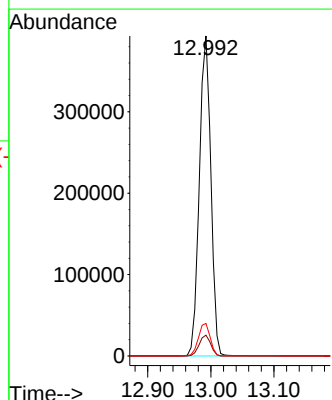
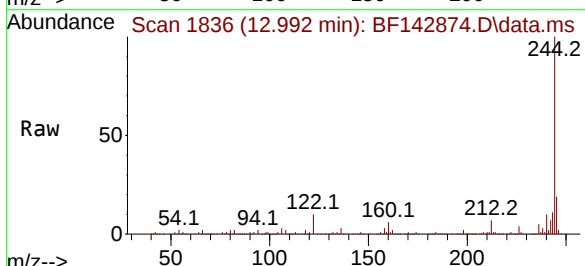
Tgt Ion:244 Resp: 496947

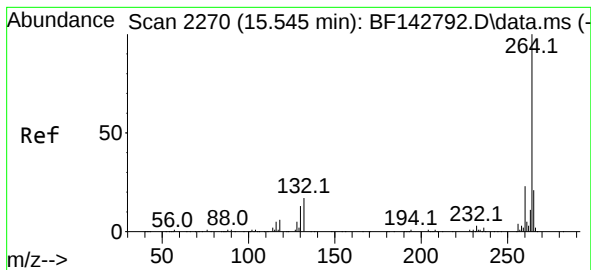
Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

122 10.1 8.2 12.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142874.D

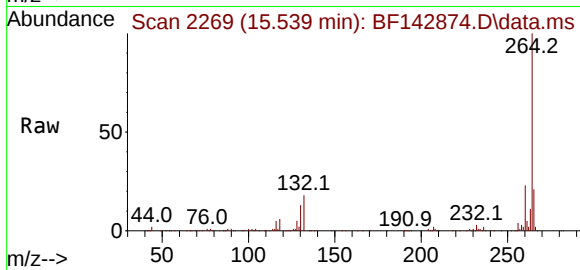
Acq: 26 Jun 2025 18:05

Instrument :

BNA_F

ClientSampleId :

COMP-1



Tgt Ion:264 Resp: 163547

Ion Ratio Lower Upper

264 100

260 22.5 18.1 27.1

265 21.2 16.6 25.0

