

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112425\
 Data File : BF144324.D
 Acq On : 24 Nov 2025 15:21
 Operator : RC/JU
 Sample : Q3707-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 V933

Quant Time: Nov 25 00:23:23 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

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

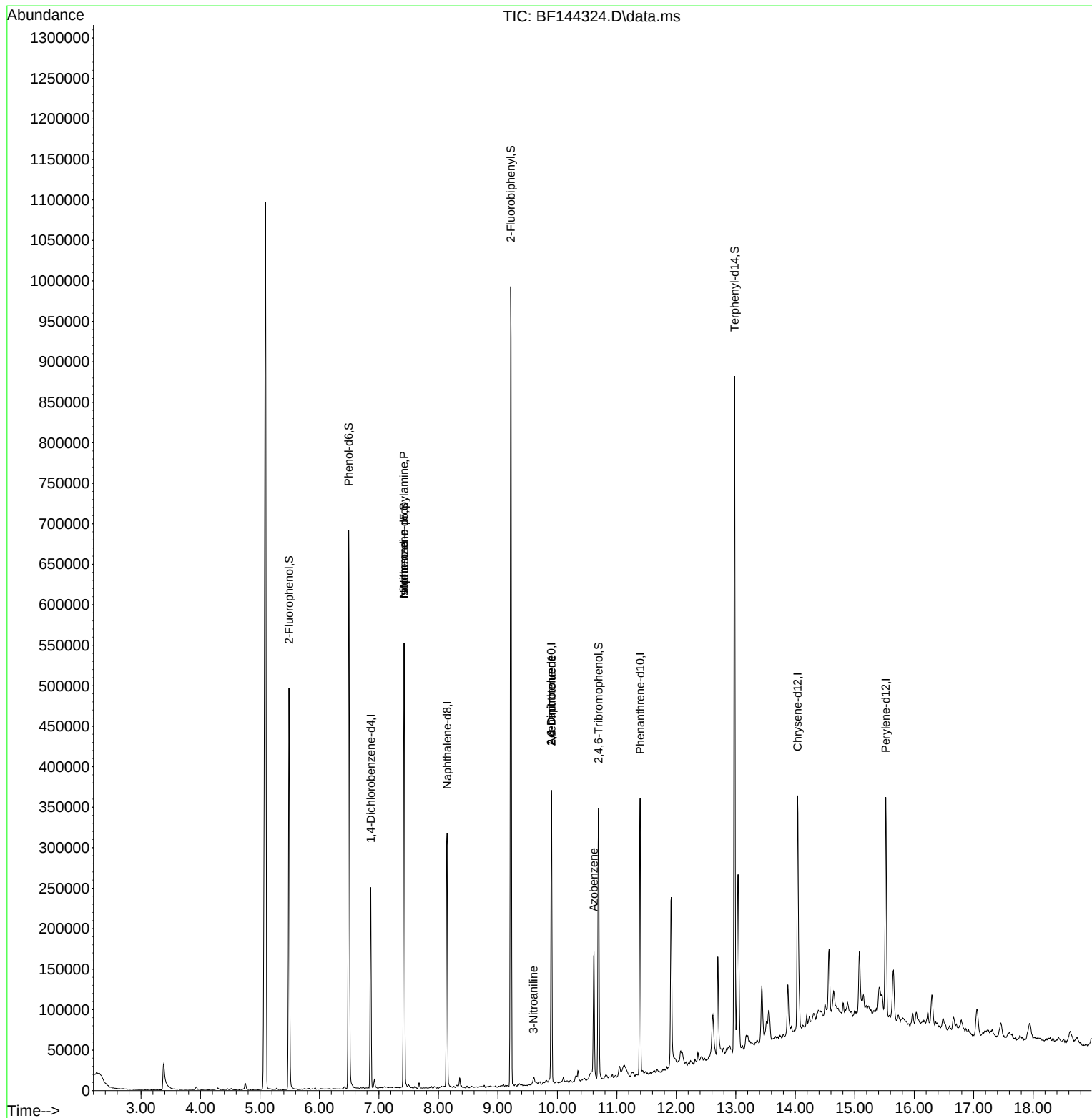
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	54484	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	205704	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	110558	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	181768	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	129250	20.000	ng	-0.01
86) Perylene-d12	15.521	264	167511	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	199897	57.414	ng	0.00
7) Phenol-d6	6.492	99	310125	78.612	ng	0.00
23) Nitrobenzene-d5	7.422	82	227724	63.937	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	64658	46.605	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	470571	62.863	ng	-0.01
79) Terphenyl-d14	12.980	244	444049	54.571	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	33490	12.895	ng	# 79
25) Isophorone	7.422	82	227722	33.802	ng	# 66
51) 2,6-Dinitrotoluene	9.898	165	14852	10.017	ng	# 28
53) 3-Nitroaniline	9.598	138	4095	2.527	ng	# 1
57) 2,4-Dinitrotoluene	9.898	165	14852	7.483	ng	# 28
63) Azobenzene	10.610	77	34792	5.537	ng	# 1

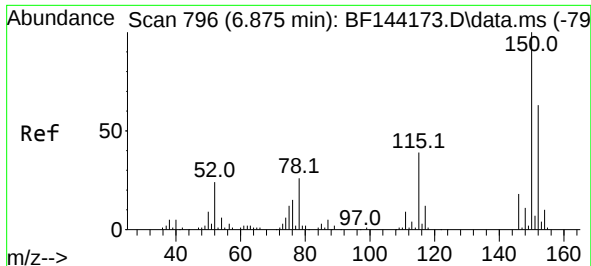
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 5 Sample Multiplier: 1

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
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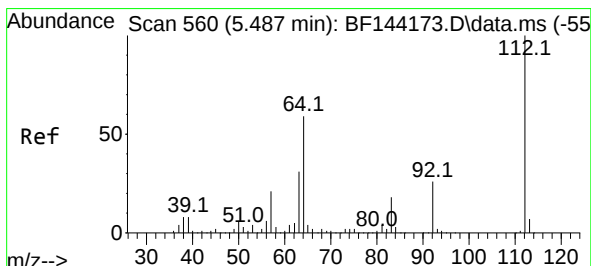
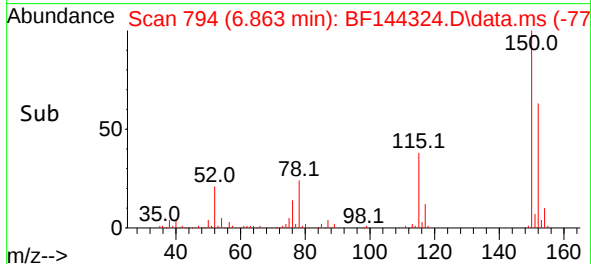
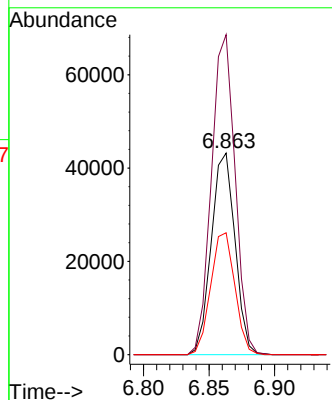
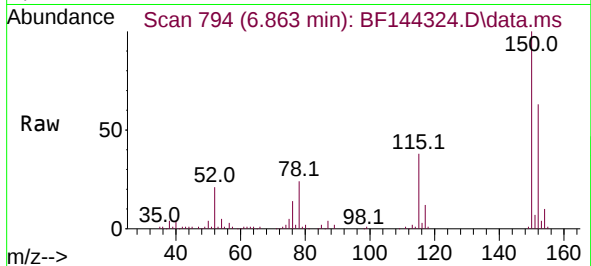




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144324.D
Acq: 24 Nov 2025 15:21

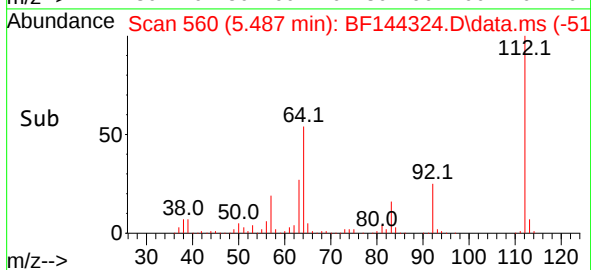
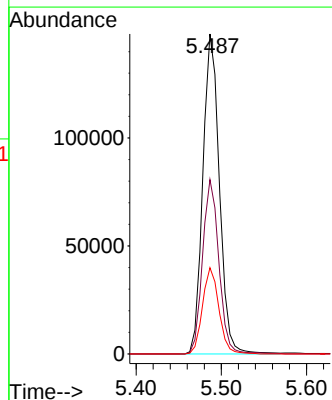
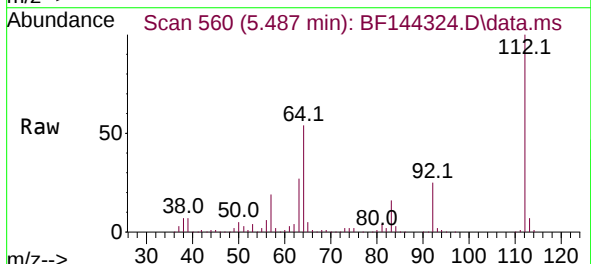
Instrument :
BNA_F
ClientSampleId :
V933

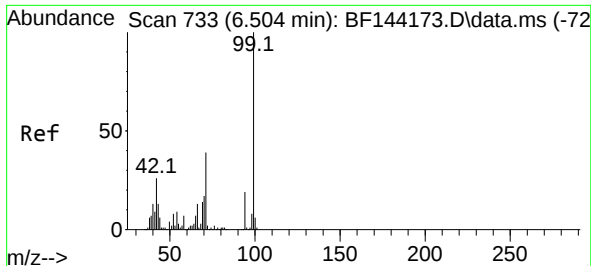
Tgt Ion:152 Resp: 54484
Ion Ratio Lower Upper
152 100
150 158.7 127.4 191.0
115 60.5 49.5 74.3



#5
2-Fluorophenol
Concen: 57.414 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144324.D
Acq: 24 Nov 2025 15:21

Tgt Ion:112 Resp: 199897
Ion Ratio Lower Upper
112 100
64 54.5 47.2 70.8
63 26.9 24.4 36.6

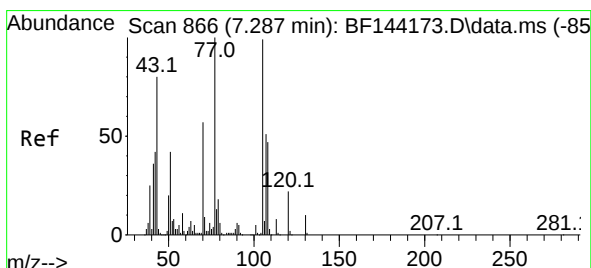
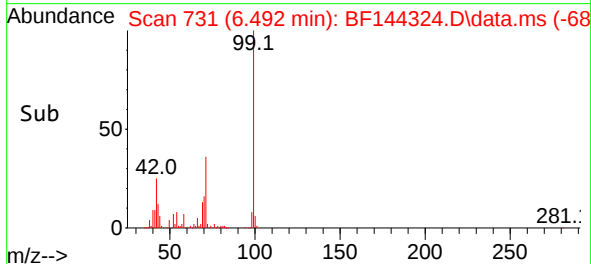
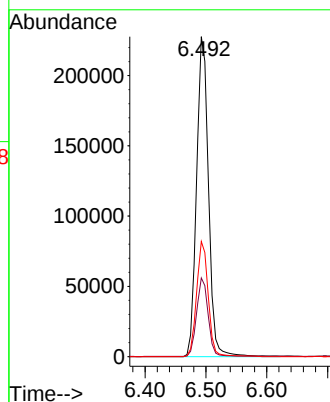
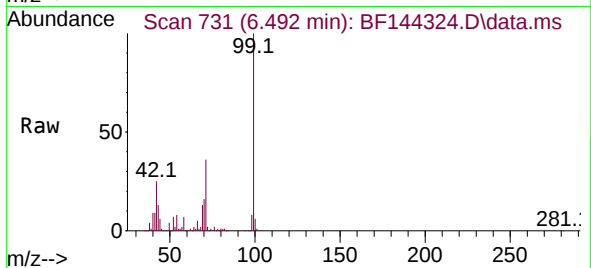




#7
Phenol-d6
Concen: 78.612 ng
RT: 6.492 min Scan# 731
Delta R.T. -0.006 min
Lab File: BF144324.D
Acq: 24 Nov 2025 15:21

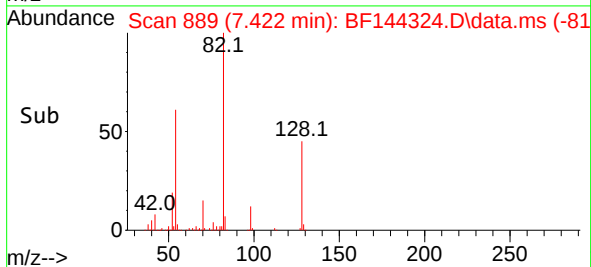
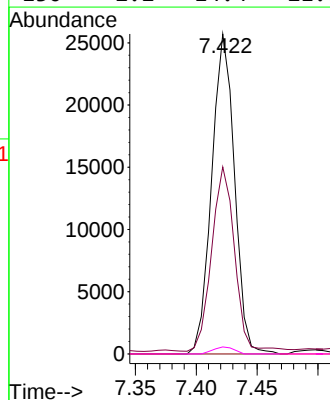
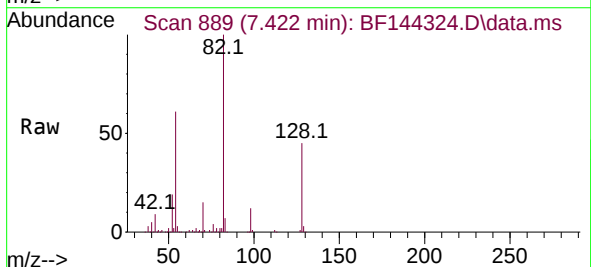
Instrument :
BNA_F
ClientSampleId :
V933

Tgt Ion: 99 Resp: 310125
Ion Ratio Lower Upper
99 100
42 24.6 20.9 31.3
71 36.0 31.4 47.2



#19
n-Nitroso-di-n-propylamine
Concen: 12.895 ng
RT: 7.422 min Scan# 889
Delta R.T. 0.147 min
Lab File: BF144324.D
Acq: 24 Nov 2025 15:21

Tgt Ion: 70 Resp: 33490
Ion Ratio Lower Upper
70 100
42 58.4 58.3 87.5
101 0.0 7.0 10.6#
130 2.2 14.4 21.6#

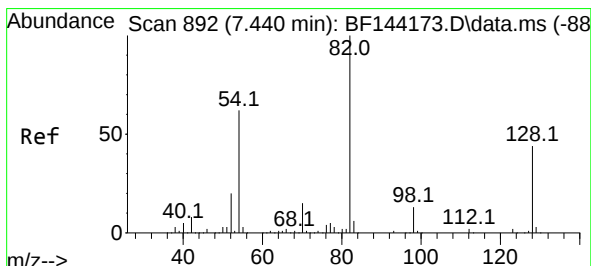
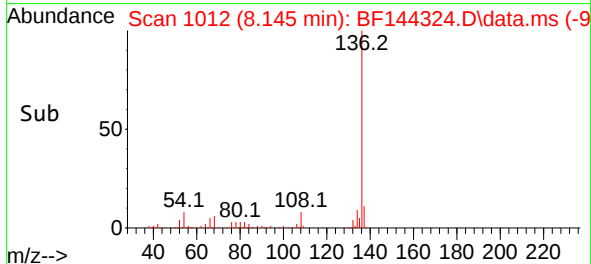
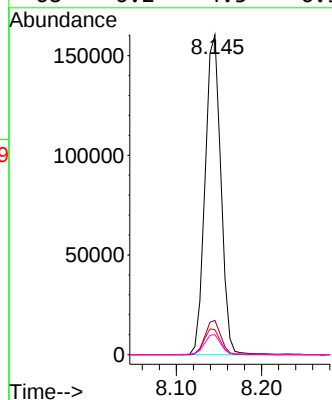
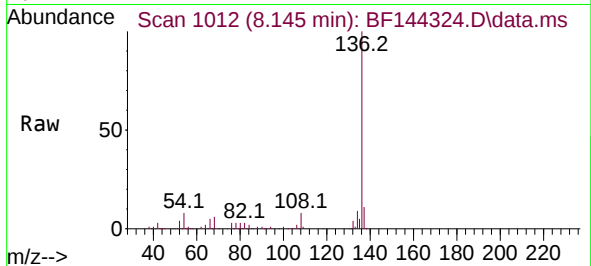




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF144324.D
Acq: 24 Nov 2025 15:21

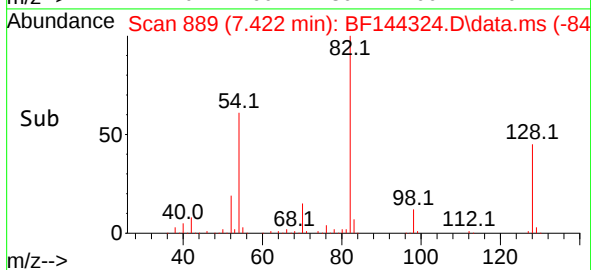
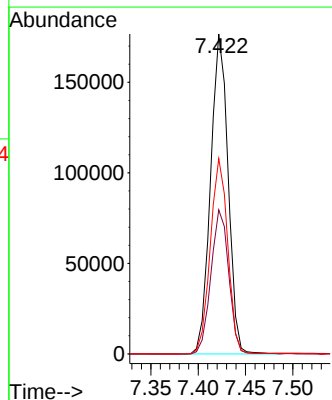
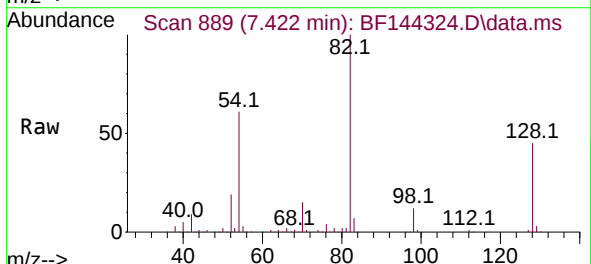
Instrument :
BNA_F
ClientSampleId :
V933

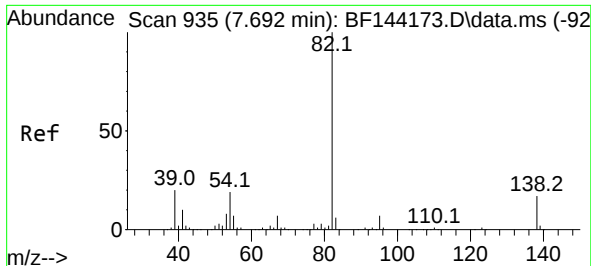
Tgt Ion:	136	Resp:	205704
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.6	13.0
54	7.8	7.0	10.6
68	6.2	4.3	6.5



#23
Nitrobenzene-d5
Concen: 63.937 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF144324.D
Acq: 24 Nov 2025 15:21

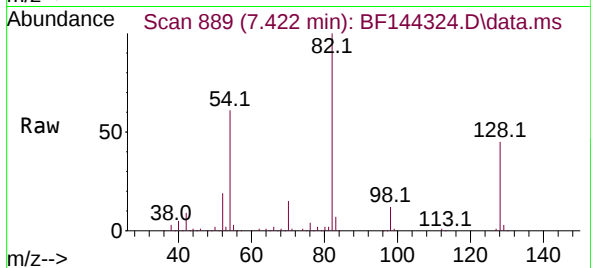
Tgt Ion:	82	Resp:	227724
Ion Ratio	Lower	Upper	
82	100		
128	45.0	34.7	52.1
54	61.0	49.5	74.3



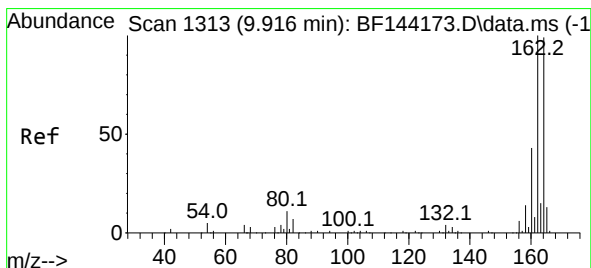
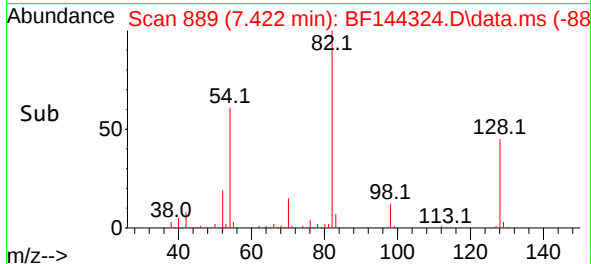
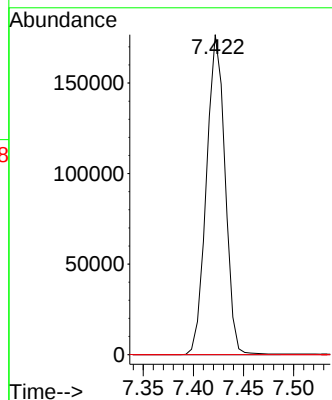


#25
Isophorone
Concen: 33.802 ng
RT: 7.422 min Scan# 88
Delta R.T. -0.265 min
Lab File: BF144324.D
Acq: 24 Nov 2025 15:21

Instrument :
BNA_F
ClientSampleId :
V933

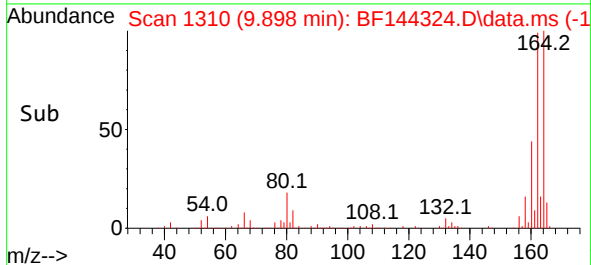
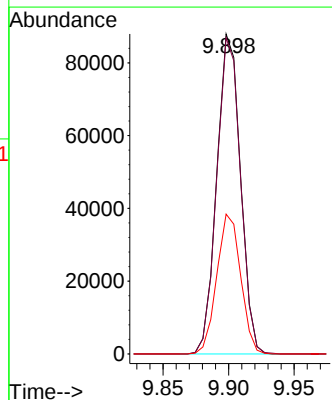
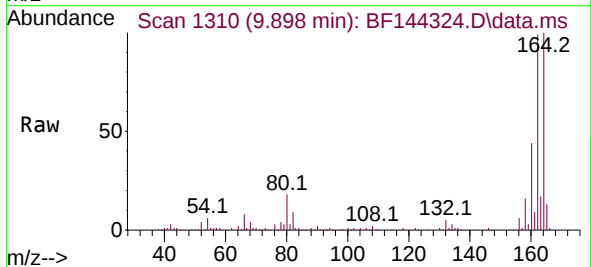


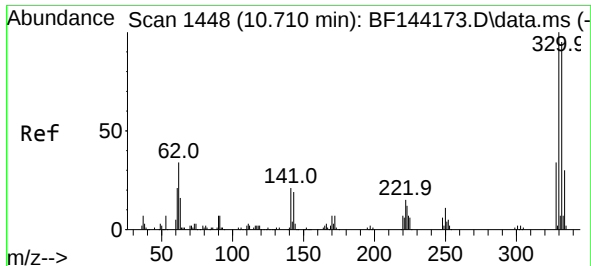
Tgt Ion: 82 Resp: 227722
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.018 min
Lab File: BF144324.D
Acq: 24 Nov 2025 15:21

Tgt Ion: 164 Resp: 110558
Ion Ratio Lower Upper
164 100
162 98.8 81.1 121.7
160 43.7 34.5 51.7





#42

2,4,6-Tribromophenol

Concen: 46.605 ng

RT: 10.692 min Scan# 1445

Delta R.T. -0.012 min

Lab File: BF144324.D

Acq: 24 Nov 2025 15:21

Instrument :

BNA_F

ClientSampleId :

V933

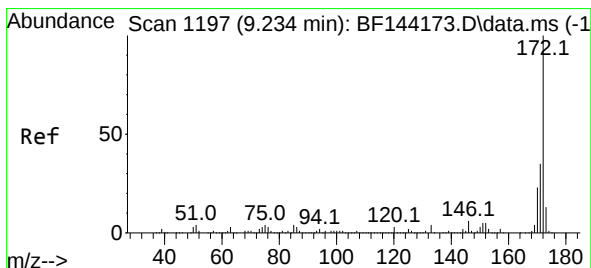
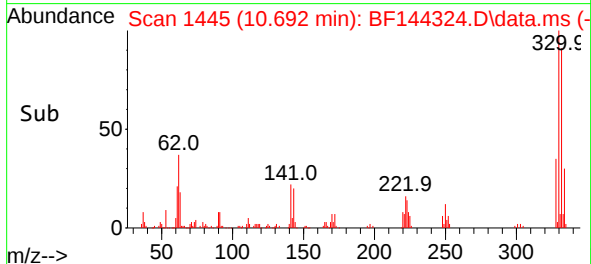
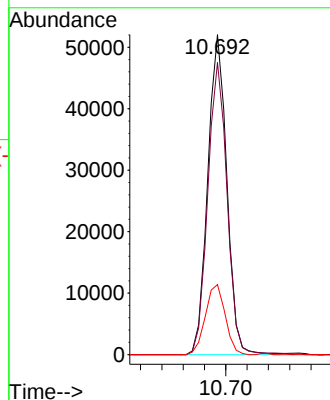
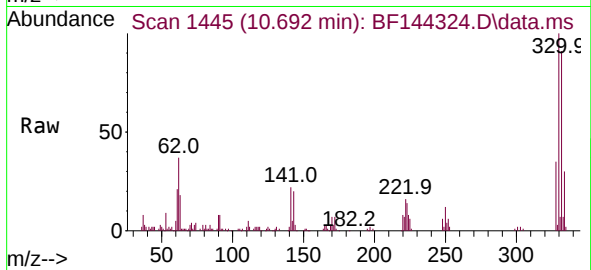
Tgt Ion:330 Resp: 64658

Ion Ratio Lower Upper

330 100

332 92.2 76.7 115.1

141 22.7 17.8 26.8



#45

2-Fluorobiphenyl

Concen: 62.863 ng

RT: 9.216 min Scan# 1194

Delta R.T. -0.012 min

Lab File: BF144324.D

Acq: 24 Nov 2025 15:21

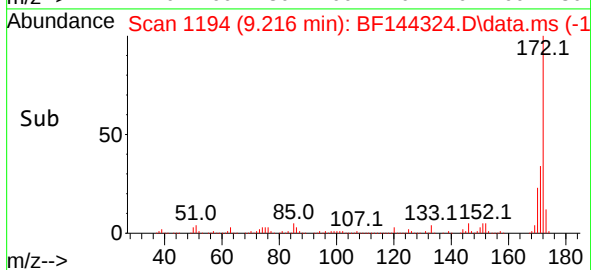
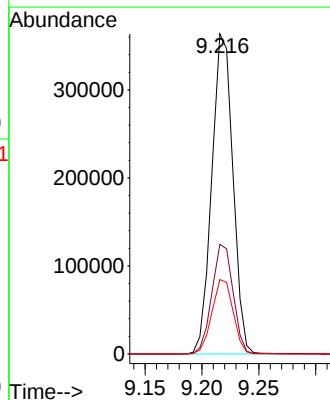
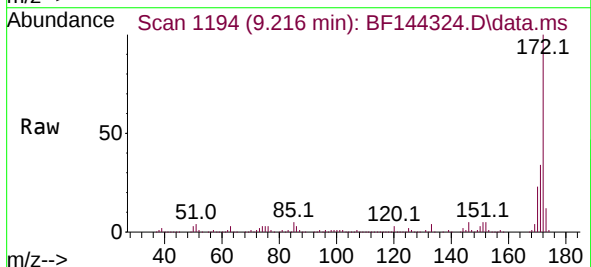
Tgt Ion:172 Resp: 470571

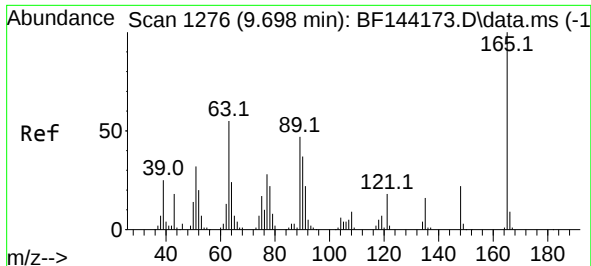
Ion Ratio Lower Upper

172 100

171 34.2 28.1 42.1

170 23.2 18.6 28.0





#51

2,6-Dinitrotoluene

Concen: 10.017 ng

RT: 9.898 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF144324.D

Acq: 24 Nov 2025 15:21

Instrument :

BNA_F

ClientSampleId :

V933

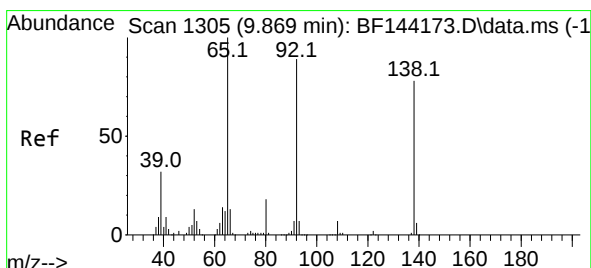
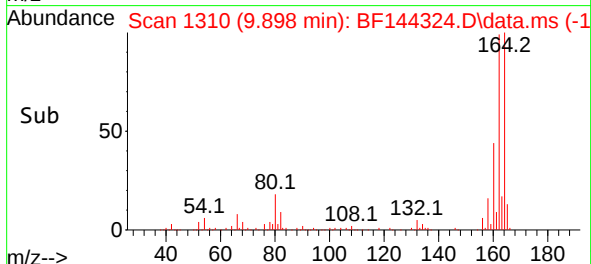
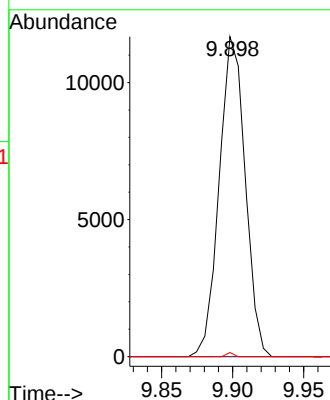
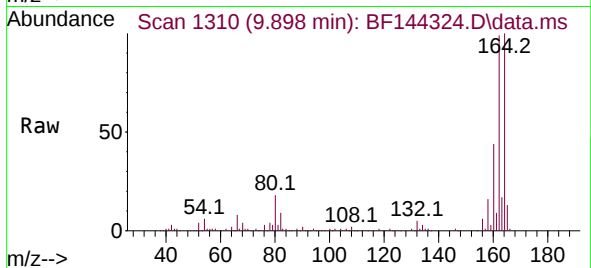
Tgt Ion:165 Resp: 14852

Ion Ratio Lower Upper

165 100

63 0.0 43.8 65.8#

89 1.3 37.5 56.3#



#53

3-Nitroaniline

Concen: 2.527 ng

RT: 9.598 min Scan# 1259

Delta R.T. -0.271 min

Lab File: BF144324.D

Acq: 24 Nov 2025 15:21

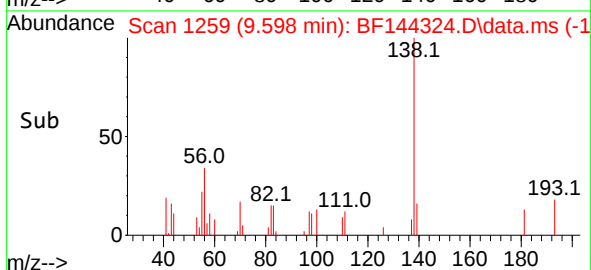
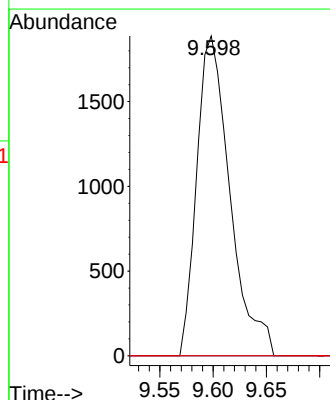
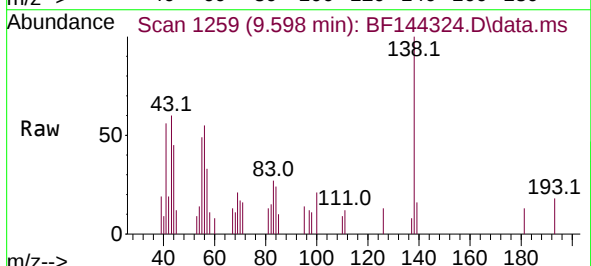
Tgt Ion:138 Resp: 4095

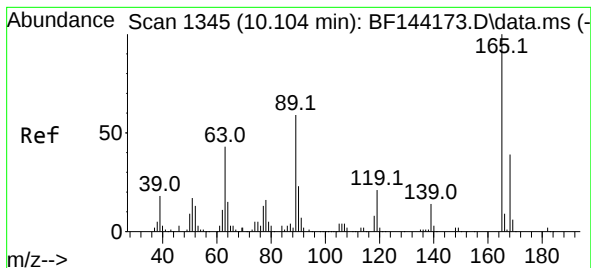
Ion Ratio Lower Upper

138 100

108 0.0 7.5 11.3#

92 0.0 91.8 137.6#

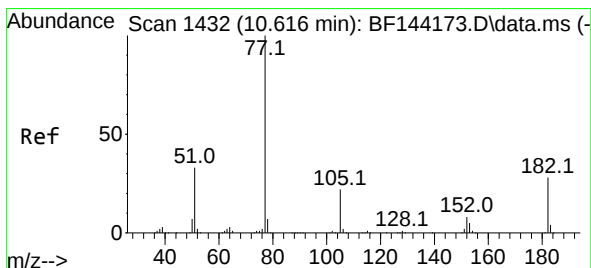
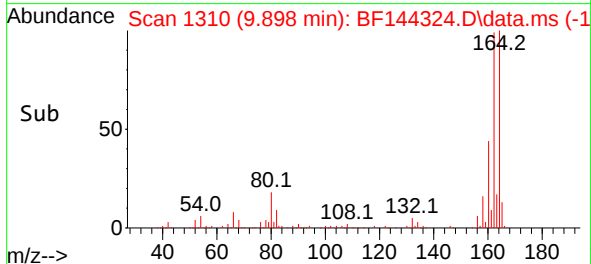
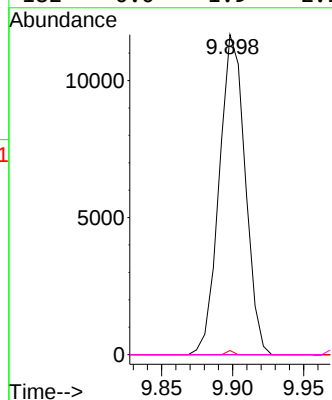
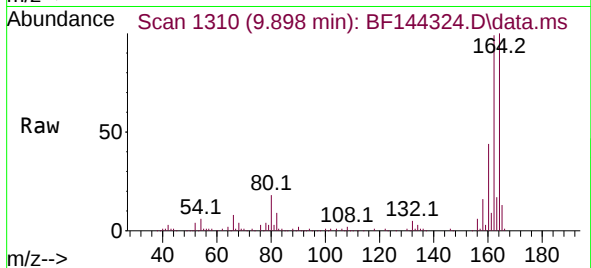




#57
2,4-Dinitrotoluene
Concen: 7.483 ng
RT: 9.898 min Scan# 1345
Delta R.T. -0.200 min
Lab File: BF144324.D
Acq: 24 Nov 2025 15:21

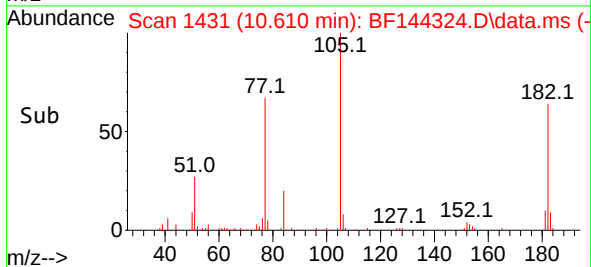
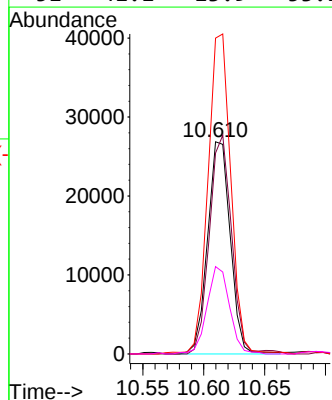
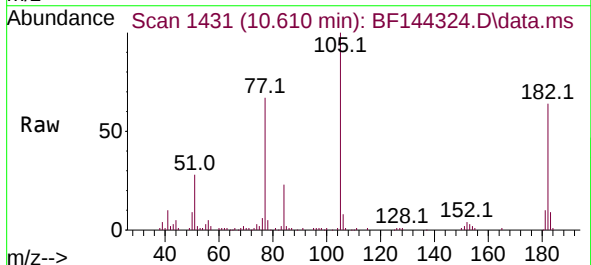
Instrument :
BNA_F
ClientSampleId :
V933

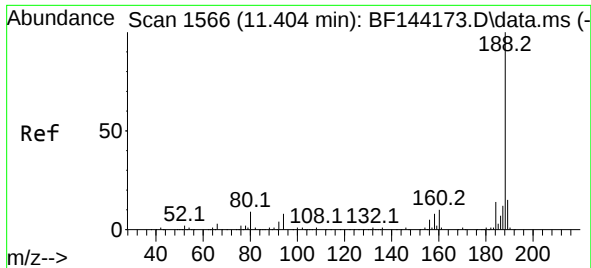
Tgt Ion:165	Resp:	14852
Ion Ratio	Lower	Upper
165	100	
63	0.0	35.5 53.3#
89	1.3	47.4 71.2#
182	0.0	1.9 2.9#



#63
Azobenzene
Concen: 5.537 ng
RT: 10.610 min Scan# 1431
Delta R.T. -0.006 min
Lab File: BF144324.D
Acq: 24 Nov 2025 15:21

Tgt Ion: 77	Resp:	34792
Ion Ratio	Lower	Upper
77	100	
182	94.7	8.1 48.1#
105	148.9	2.0 42.0#
51	41.1	13.9 53.9

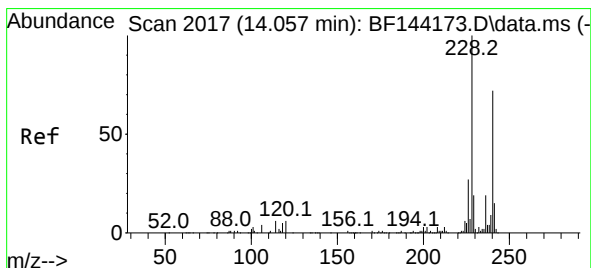
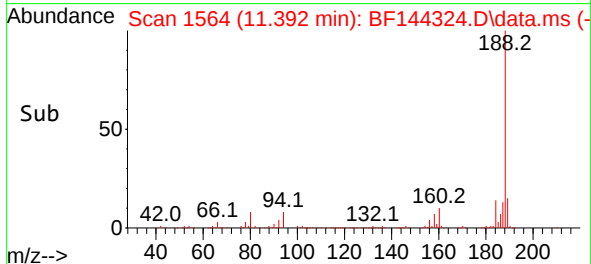
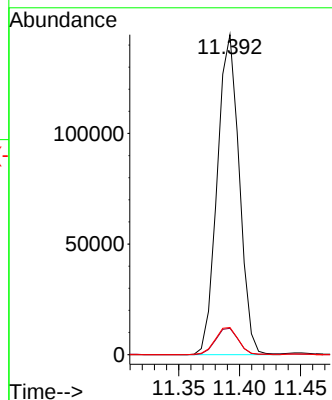
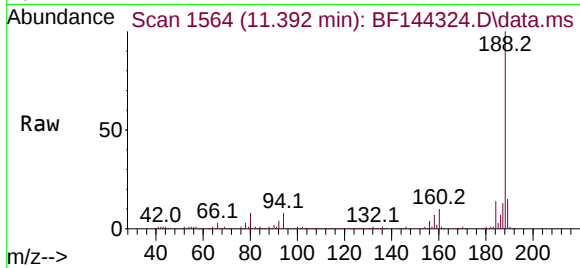




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144324.D
Acq: 24 Nov 2025 15:21

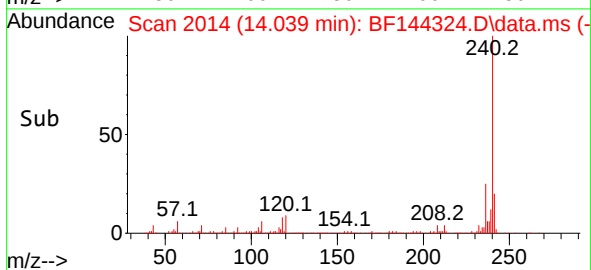
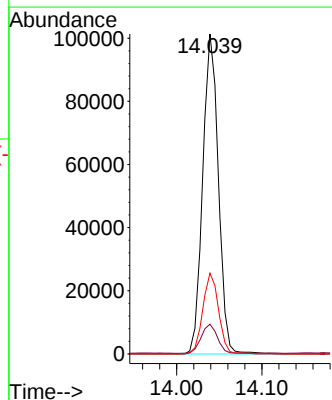
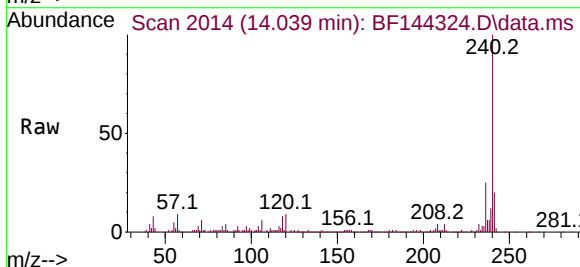
Instrument :
BNA_F
ClientSampleId :
V933

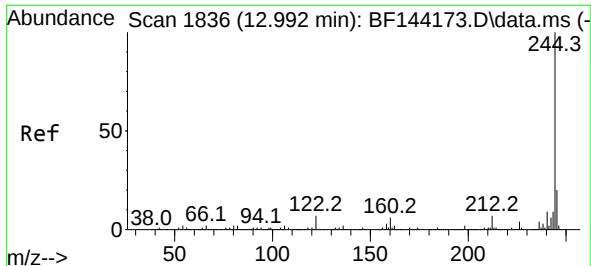
Tgt Ion:188 Resp: 181768
Ion Ratio Lower Upper
188 100
94 8.2 6.2 9.2
80 8.5 6.9 10.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF144324.D
Acq: 24 Nov 2025 15:21

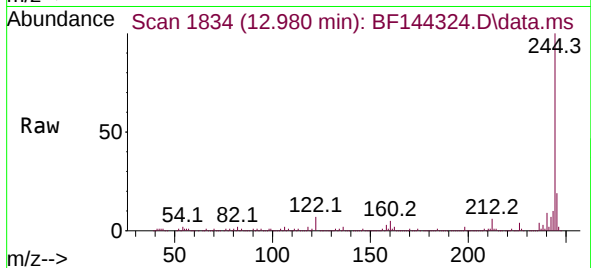
Tgt Ion:240 Resp: 129250
Ion Ratio Lower Upper
240 100
120 9.3 6.6 10.0
236 25.2 21.4 32.2



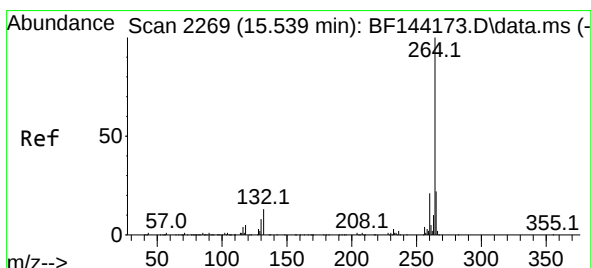
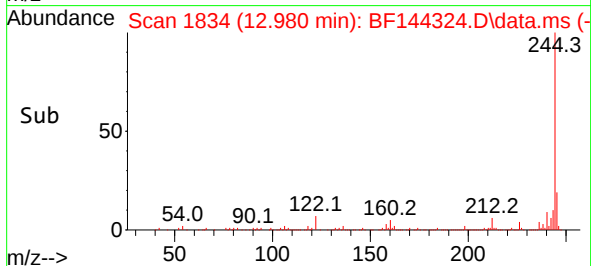
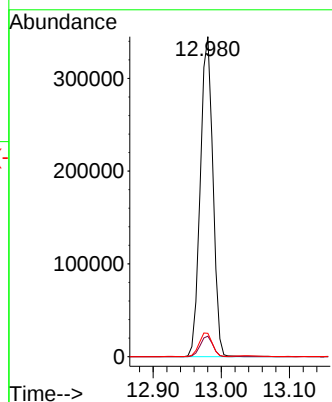


#79
 Terphenyl-d14
 Concen: 54.571 ng
 RT: 12.980 min Scan# 1834
 Delta R.T. -0.012 min
 Lab File: BF144324.D
 Acq: 24 Nov 2025 15:21

Instrument :
 BNA_F
 ClientSampleId :
 V933



Tgt Ion:244 Resp: 444049
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.3 7.9
 122 7.3 5.6 8.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.521 min Scan# 2266
 Delta R.T. -0.018 min
 Lab File: BF144324.D
 Acq: 24 Nov 2025 15:21

Tgt Ion:264 Resp: 167511
 Ion Ratio Lower Upper
 264 100
 260 21.3 17.1 25.7
 265 21.1 17.4 26.0

