

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120125\
 Data File : BF144383.D
 Acq On : 01 Dec 2025 13:13
 Operator : RC/JU
 Sample : PB170749BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 01 13:41:42 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)

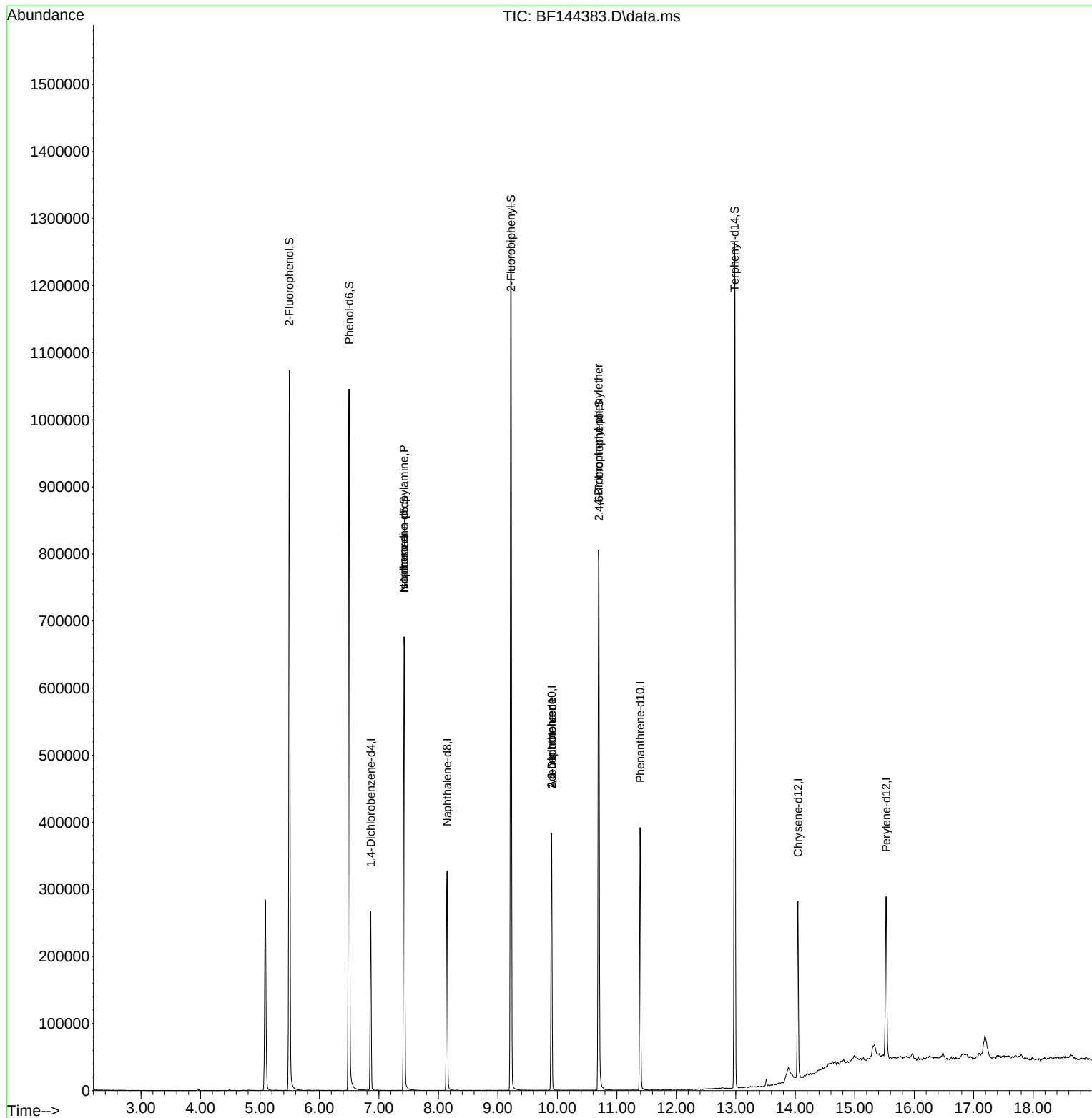
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	58219	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	220146	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	127140	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	220904	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	141006	20.000	ng	0.00
86) Perylene-d12	15.527	264	162985	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	426039	114.515	ng	0.00
7) Phenol-d6	6.498	99	482370	114.429	ng	0.00
23) Nitrobenzene-d5	7.422	82	308429	80.916	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	179615	112.579	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	659740	76.639	ng	0.00
79) Terphenyl-d14	12.980	244	697734	78.598	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	44028	15.866	ng	# 79
25) Isophorone	7.422	82	308427	42.778	ng	# 66
51) 2,6-Dinitrotoluene	9.904	165	15951	9.355	ng	# 27
57) 2,4-Dinitrotoluene	9.904	165	15951	6.988	ng	# 27
67) 4-Bromophenyl-phenylether	10.692	248	9489	3.365	ng	# 1

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

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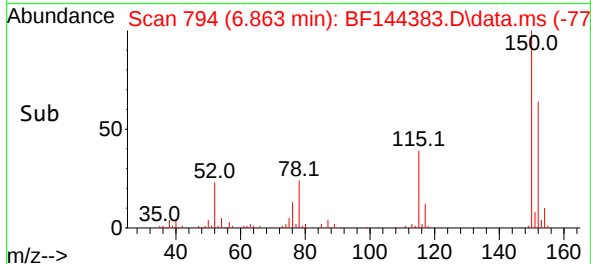
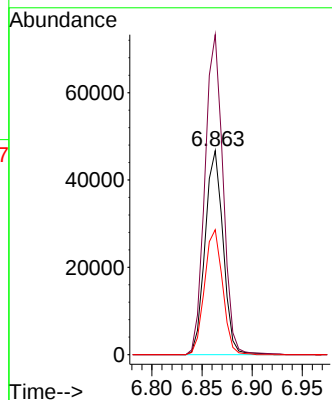
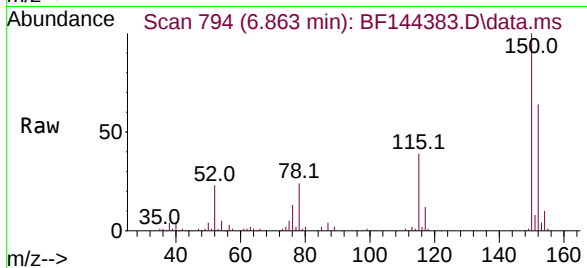




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.863 min Scan# 796
 Delta R.T. -0.012 min
 Lab File: BF144383.D
 Acq: 01 Dec 2025 13:13

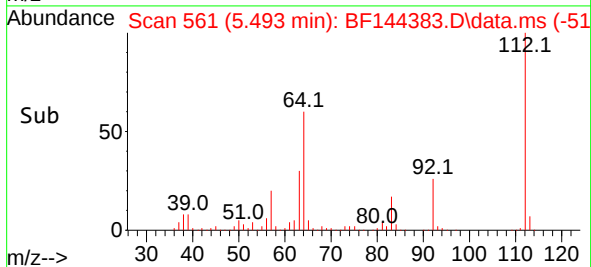
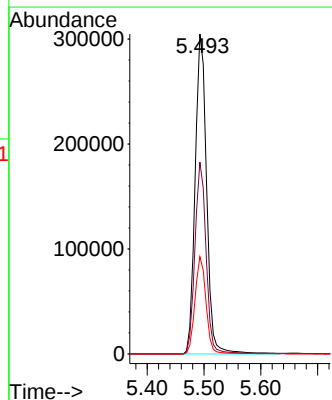
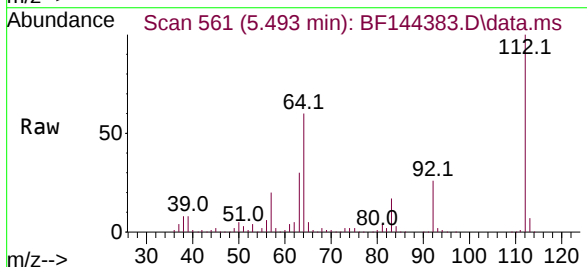
Instrument :
 BNA_F
 ClientSampleId :

Tgt Ion:152 Resp: 58219
 Ion Ratio Lower Upper
 152 100
 150 156.9 127.4 191.0
 115 61.2 49.5 74.3



#5
 2-Fluorophenol
 Concen: 114.515 ng
 RT: 5.493 min Scan# 561
 Delta R.T. -0.000 min
 Lab File: BF144383.D
 Acq: 01 Dec 2025 13:13

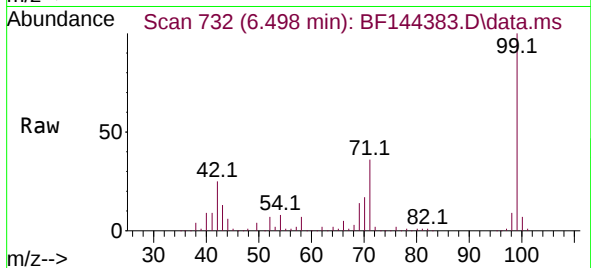
Tgt Ion:112 Resp: 426039
 Ion Ratio Lower Upper
 112 100
 64 60.0 47.2 70.8
 63 30.4 24.4 36.6



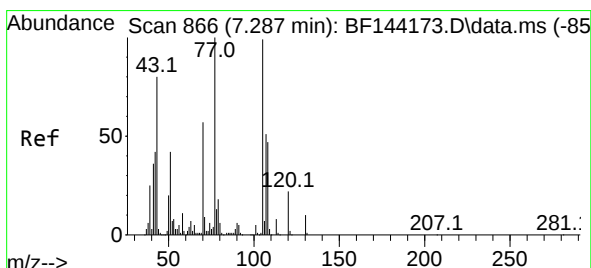
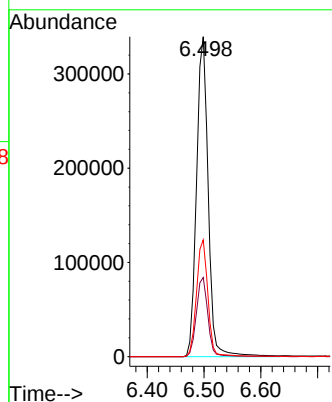
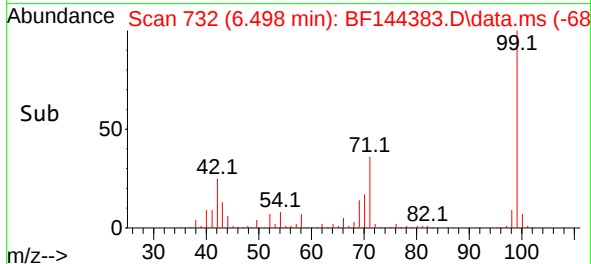


#7
Phenol-d6
Concen: 114.429 ng
RT: 6.498 min Scan# 733
Delta R.T. -0.000 min
Lab File: BF144383.D
Acq: 01 Dec 2025 13:13

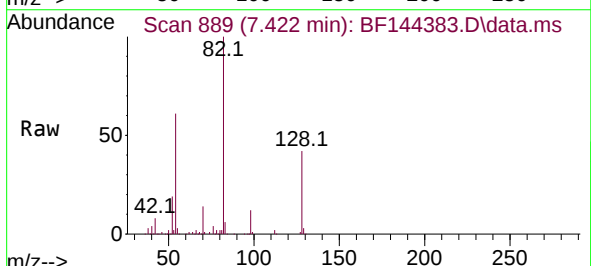
Instrument :
BNA_F
ClientSampleId :



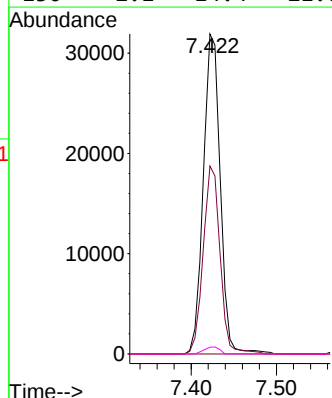
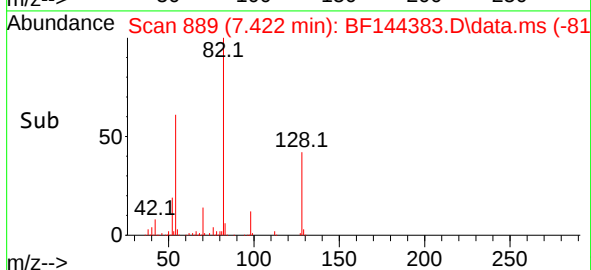
Tgt Ion: 99 Resp: 482370
Ion Ratio Lower Upper
99 100
42 24.7 20.9 31.3
71 36.5 31.4 47.2



#19
n-Nitroso-di-n-propylamine
Concen: 15.866 ng
RT: 7.422 min Scan# 889
Delta R.T. 0.147 min
Lab File: BF144383.D
Acq: 01 Dec 2025 13:13



Tgt Ion: 70 Resp: 44028
Ion Ratio Lower Upper
70 100
42 58.7 58.3 87.5
101 0.0 7.0 10.6#
130 2.1 14.4 21.6#

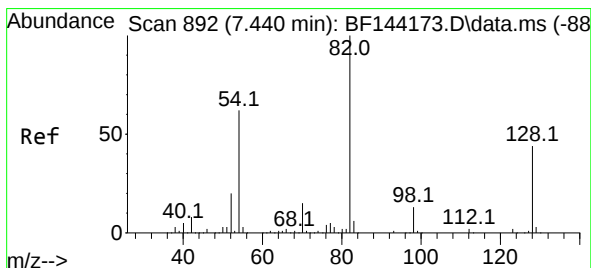
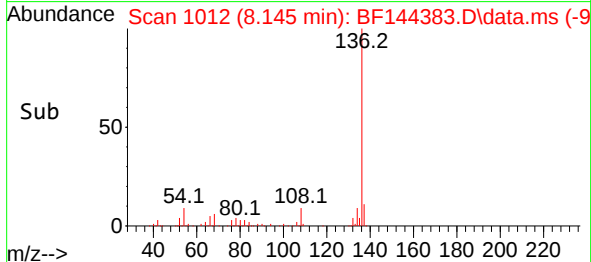
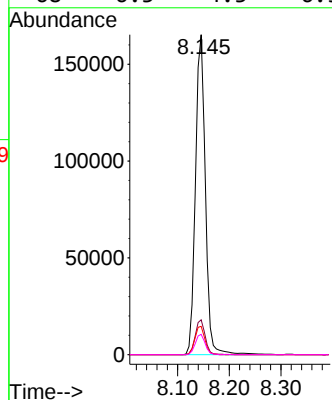
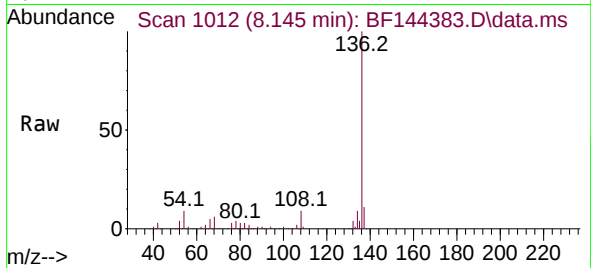




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF144383.D
Acq: 01 Dec 2025 13:13

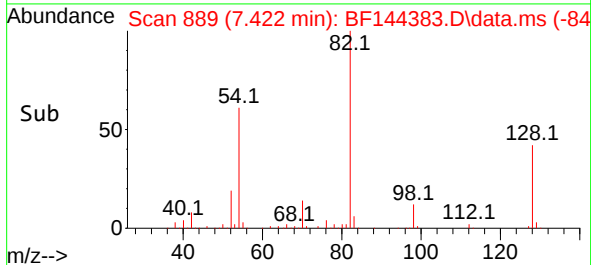
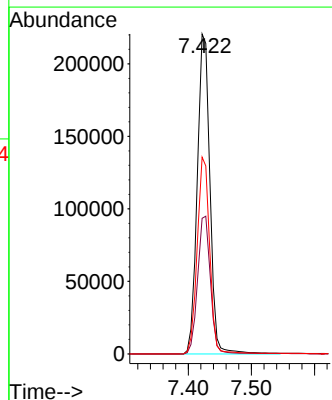
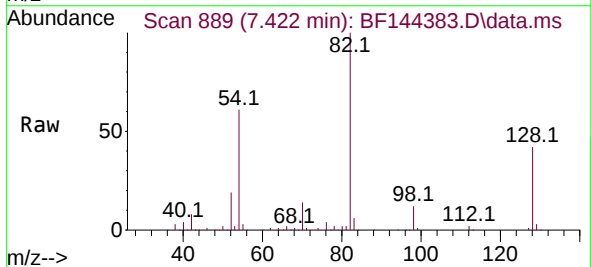
Instrument :
BNA_F
ClientSampleId :

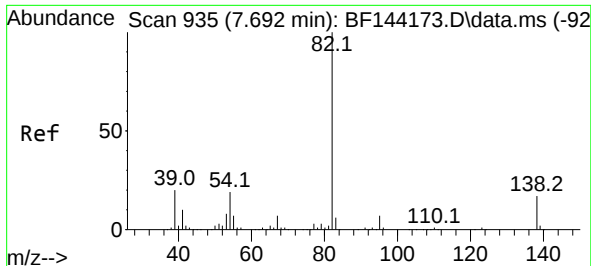
Tgt Ion:136	Resp: 220146
Ion Ratio	Lower Upper
136	100
137	10.9 8.6 13.0
54	8.8 7.0 10.6
68	6.3 4.3 6.5



#23
Nitrobenzene-d5
Concen: 80.916 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF144383.D
Acq: 01 Dec 2025 13:13

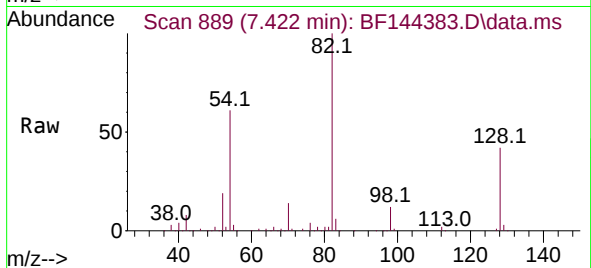
Tgt Ion: 82	Resp: 308429
Ion Ratio	Lower Upper
82	100
128	42.4 34.7 52.1
54	61.5 49.5 74.3



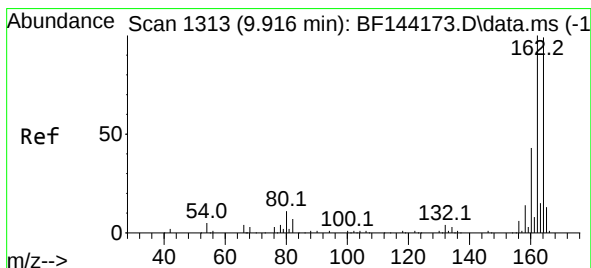
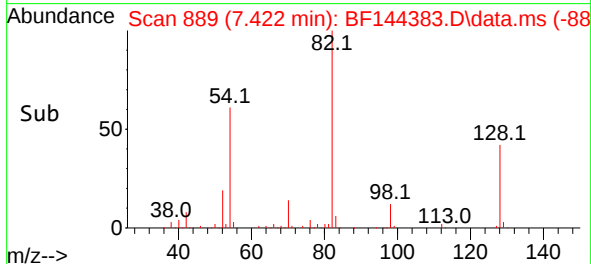
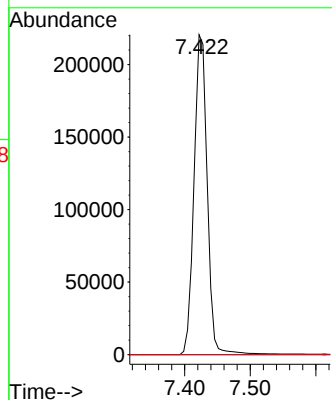


#25
Isophorone
Concen: 42.778 ng
RT: 7.422 min Scan# 88
Delta R.T. -0.265 min
Lab File: BF144383.D
Acq: 01 Dec 2025 13:13

Instrument :
BNA_F
ClientSampleId :

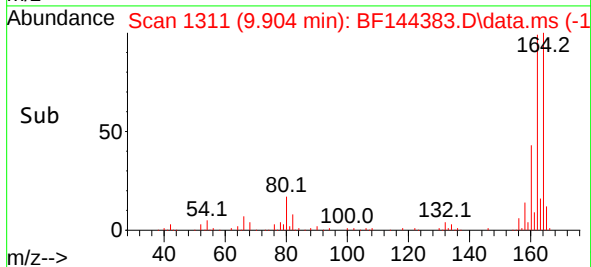
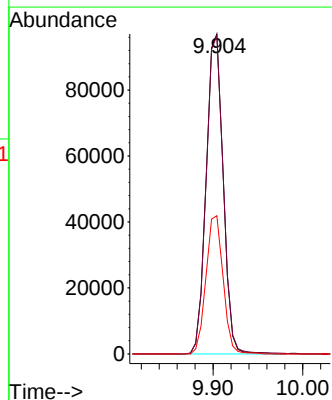
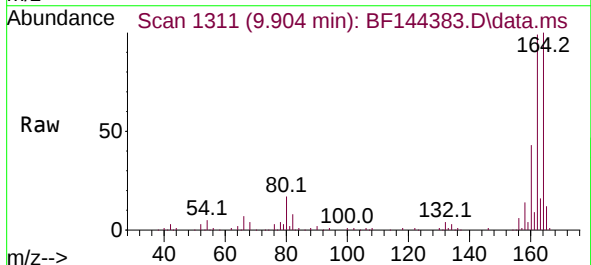


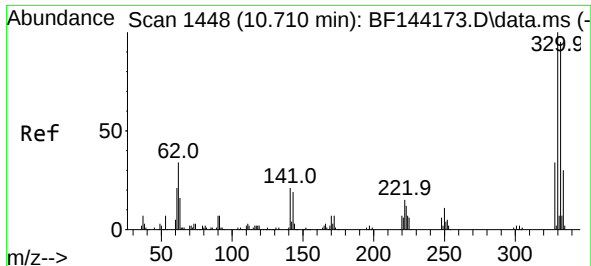
Tgt Ion: 82 Resp: 308427
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1311
Delta R.T. -0.012 min
Lab File: BF144383.D
Acq: 01 Dec 2025 13:13

Tgt Ion: 164 Resp: 127140
Ion Ratio Lower Upper
164 100
162 99.4 81.1 121.7
160 43.2 34.5 51.7





#42

2,4,6-Tribromophenol

Concen: 112.579 ng

RT: 10.698 min Scan# 1446

Delta R.T. -0.006 min

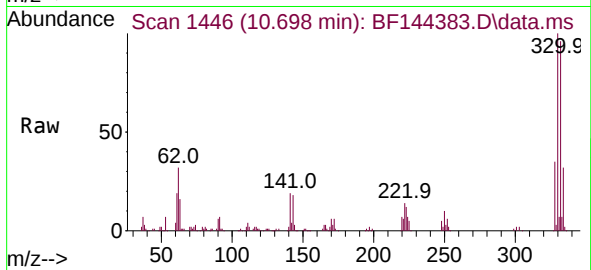
Lab File: BF144383.D

Acq: 01 Dec 2025 13:13

Instrument :

BNA_F

ClientSampleId :



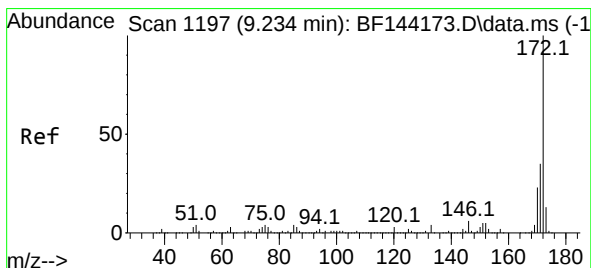
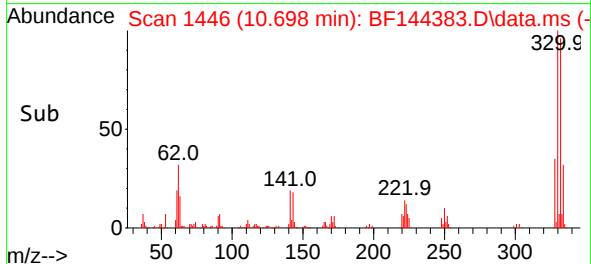
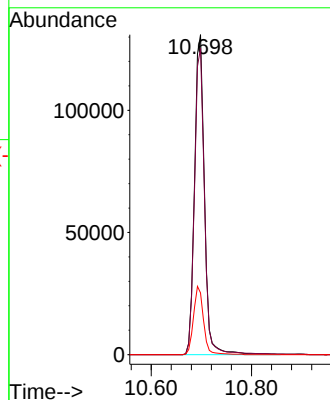
Tgt Ion:330 Resp: 179615

Ion Ratio Lower Upper

330 100

332 96.4 76.7 115.1

141 21.4 17.8 26.8



#45

2-Fluorobiphenyl

Concen: 76.639 ng

RT: 9.222 min Scan# 1195

Delta R.T. -0.006 min

Lab File: BF144383.D

Acq: 01 Dec 2025 13:13

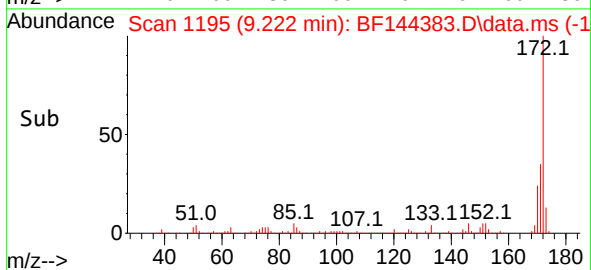
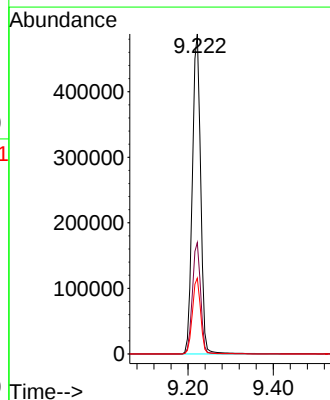
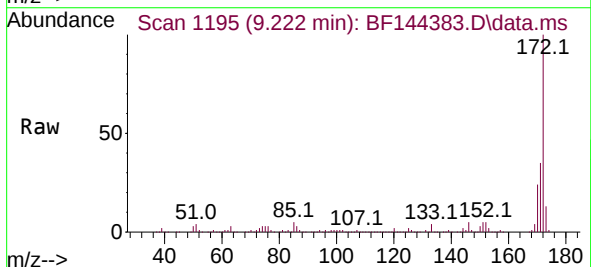
Tgt Ion:172 Resp: 659740

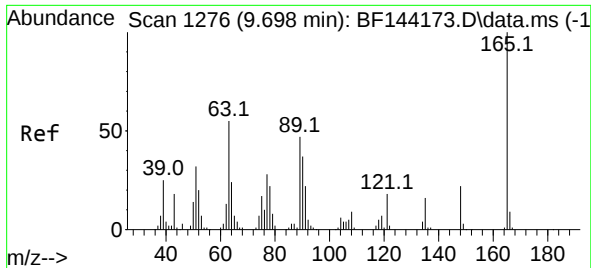
Ion Ratio Lower Upper

172 100

171 34.8 28.1 42.1

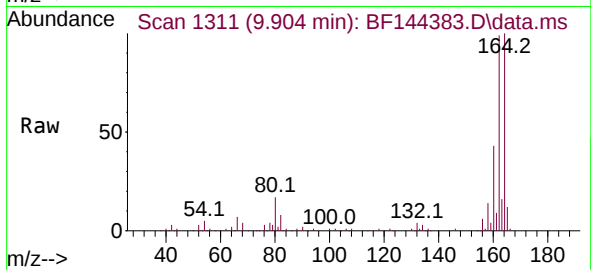
170 23.7 18.6 28.0



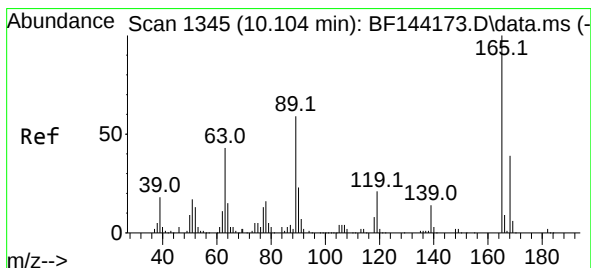
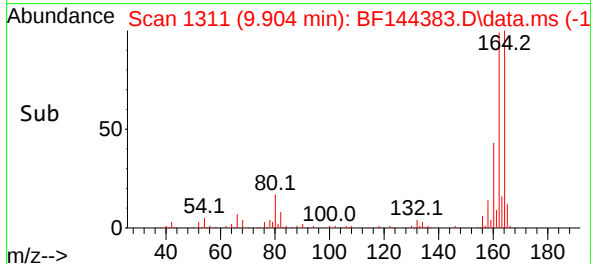
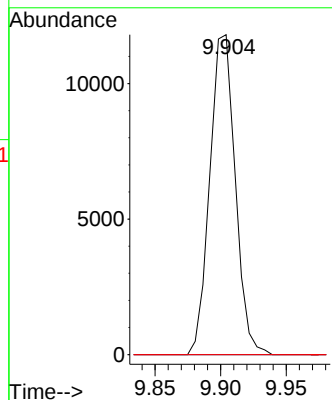


#51
2,6-Dinitrotoluene
Concen: 9.355 ng
RT: 9.904 min Scan# 1311
Delta R.T. 0.212 min
Lab File: BF144383.D
Acq: 01 Dec 2025 13:13

Instrument :
BNA_F
ClientSampleId :

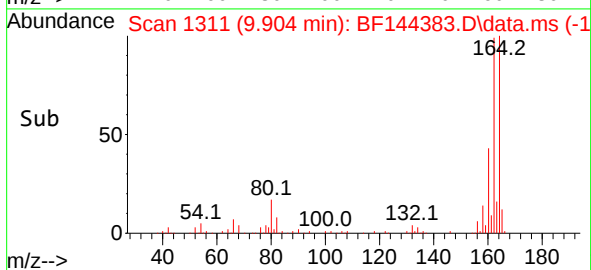
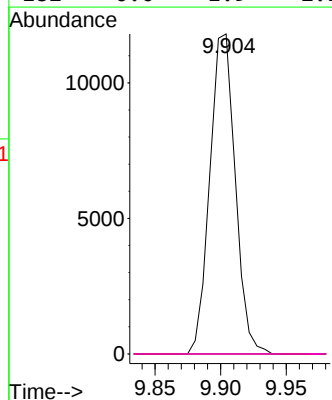
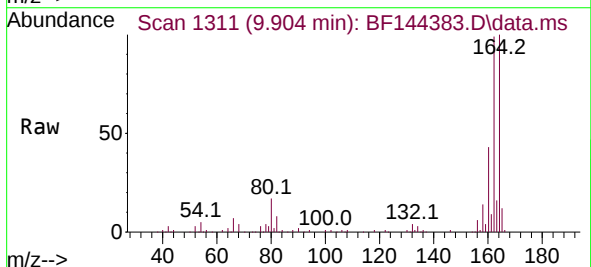


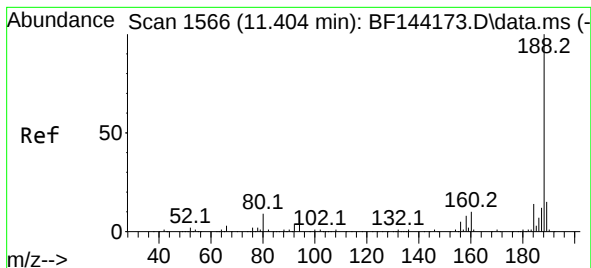
Tgt Ion:165 Resp: 15951
Ion Ratio Lower Upper
165 100
63 0.0 43.8 65.8#
89 0.0 37.5 56.3#



#57
2,4-Dinitrotoluene
Concen: 6.988 ng
RT: 9.904 min Scan# 1311
Delta R.T. -0.194 min
Lab File: BF144383.D
Acq: 01 Dec 2025 13:13

Tgt Ion:165 Resp: 15951
Ion Ratio Lower Upper
165 100
63 0.0 35.5 53.3#
89 0.0 47.4 71.2#
182 0.0 1.9 2.9#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF144383.D

Acq: 01 Dec 2025 13:13

Instrument :

BNA_F

ClientSampleId :

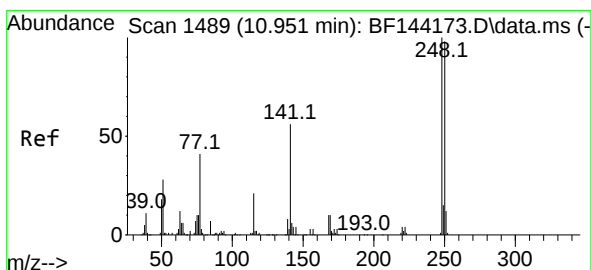
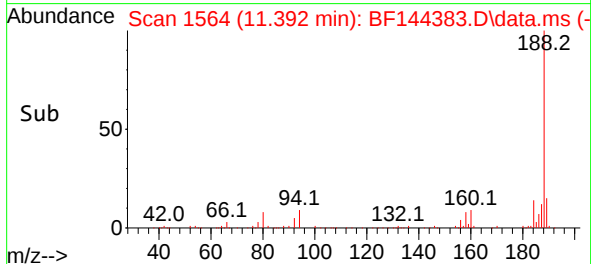
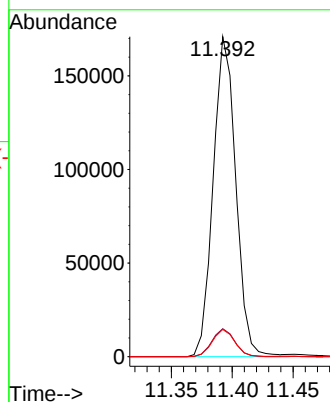
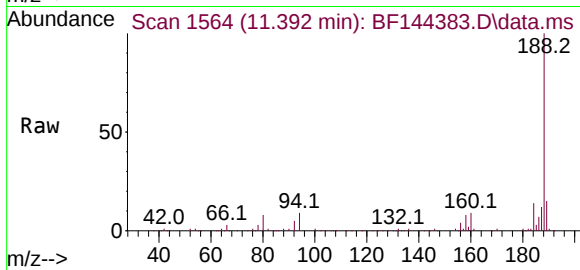
Tgt Ion:188 Resp: 220904

Ion Ratio Lower Upper

188 100

94 8.8 6.2 9.2

80 8.5 6.9 10.3



#67

4-Bromophenyl-phenylether

Concen: 3.365 ng

RT: 10.692 min Scan# 1445

Delta R.T. -0.253 min

Lab File: BF144383.D

Acq: 01 Dec 2025 13:13

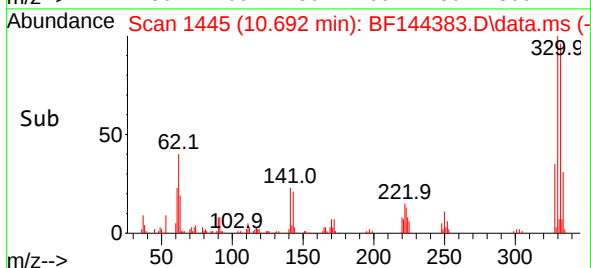
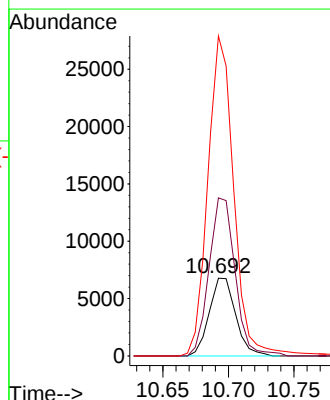
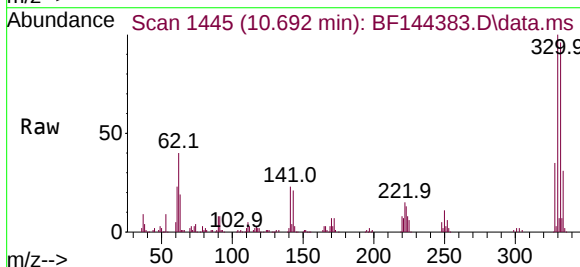
Tgt Ion:248 Resp: 9489

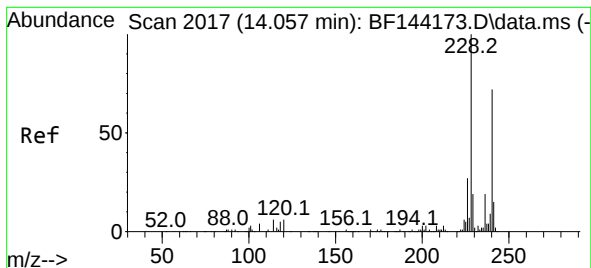
Ion Ratio Lower Upper

248 100

250 203.6 78.4 117.6#

141 412.2 45.1 67.7#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2015

Delta R.T. -0.006 min

Lab File: BF144383.D

Acq: 01 Dec 2025 13:13

Instrument :

BNA_F

ClientSampleId :

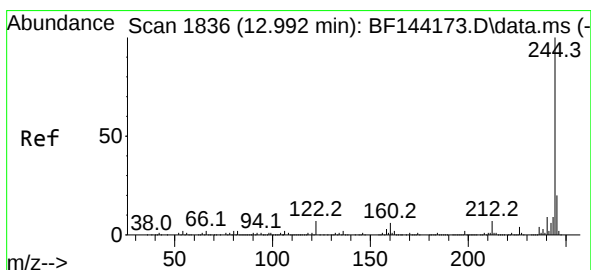
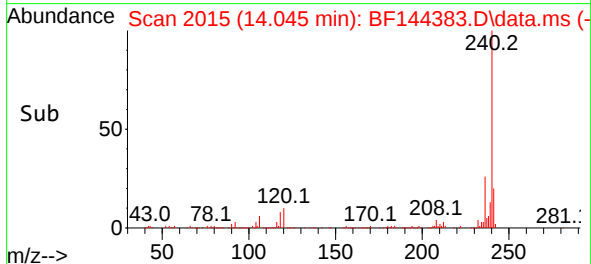
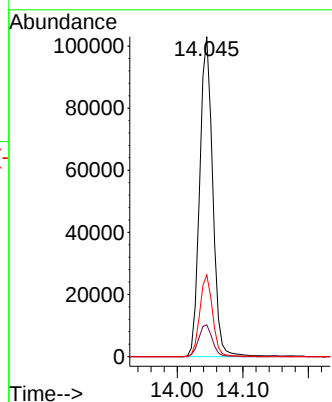
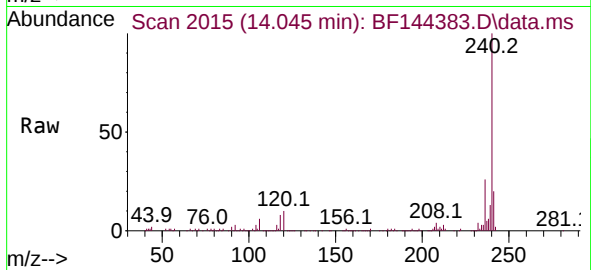
Tgt Ion:240 Resp: 141006

Ion Ratio Lower Upper

240 100

120 9.9 6.6 10.0

236 25.5 21.4 32.2



#79

Terphenyl-d14

Concen: 78.598 ng

RT: 12.980 min Scan# 1834

Delta R.T. -0.012 min

Lab File: BF144383.D

Acq: 01 Dec 2025 13:13

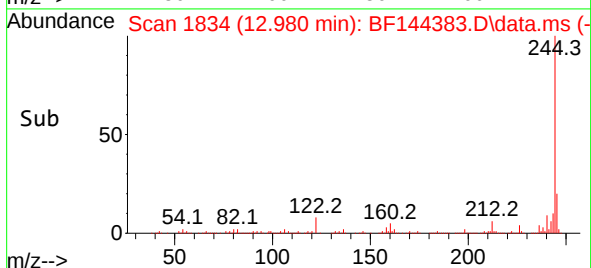
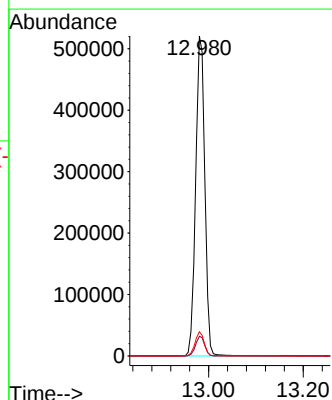
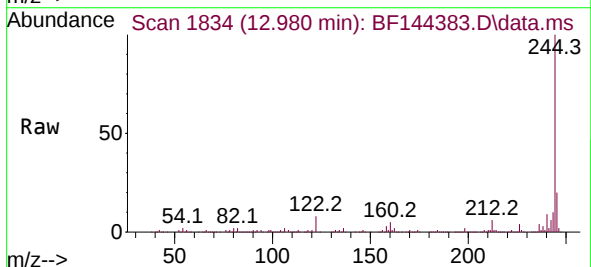
Tgt Ion:244 Resp: 697734

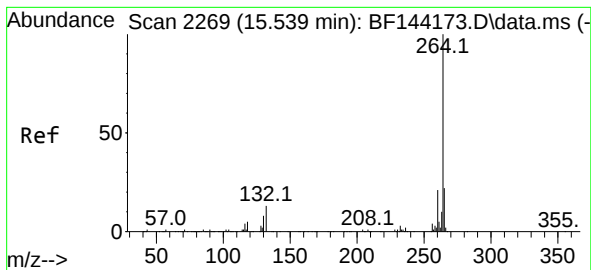
Ion Ratio Lower Upper

244 100

212 6.1 5.3 7.9

122 7.5 5.6 8.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 21

Delta R.T. -0.012 min

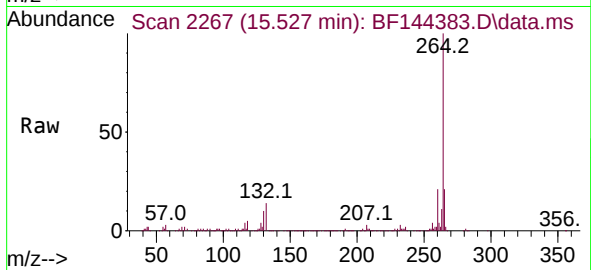
Lab File: BF144383.D

Acq: 01 Dec 2025 13:13

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:264 Resp: 162985

Ion Ratio Lower Upper

264 100

260 21.5 17.1 25.7

265 21.3 17.4 26.0

