

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120125\
 Data File : BF144396.D
 Acq On : 01 Dec 2025 19:40
 Operator : RC/JU
 Sample : Q3733-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-11-26-2025

Quant Time: Dec 02 00:10:51 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)

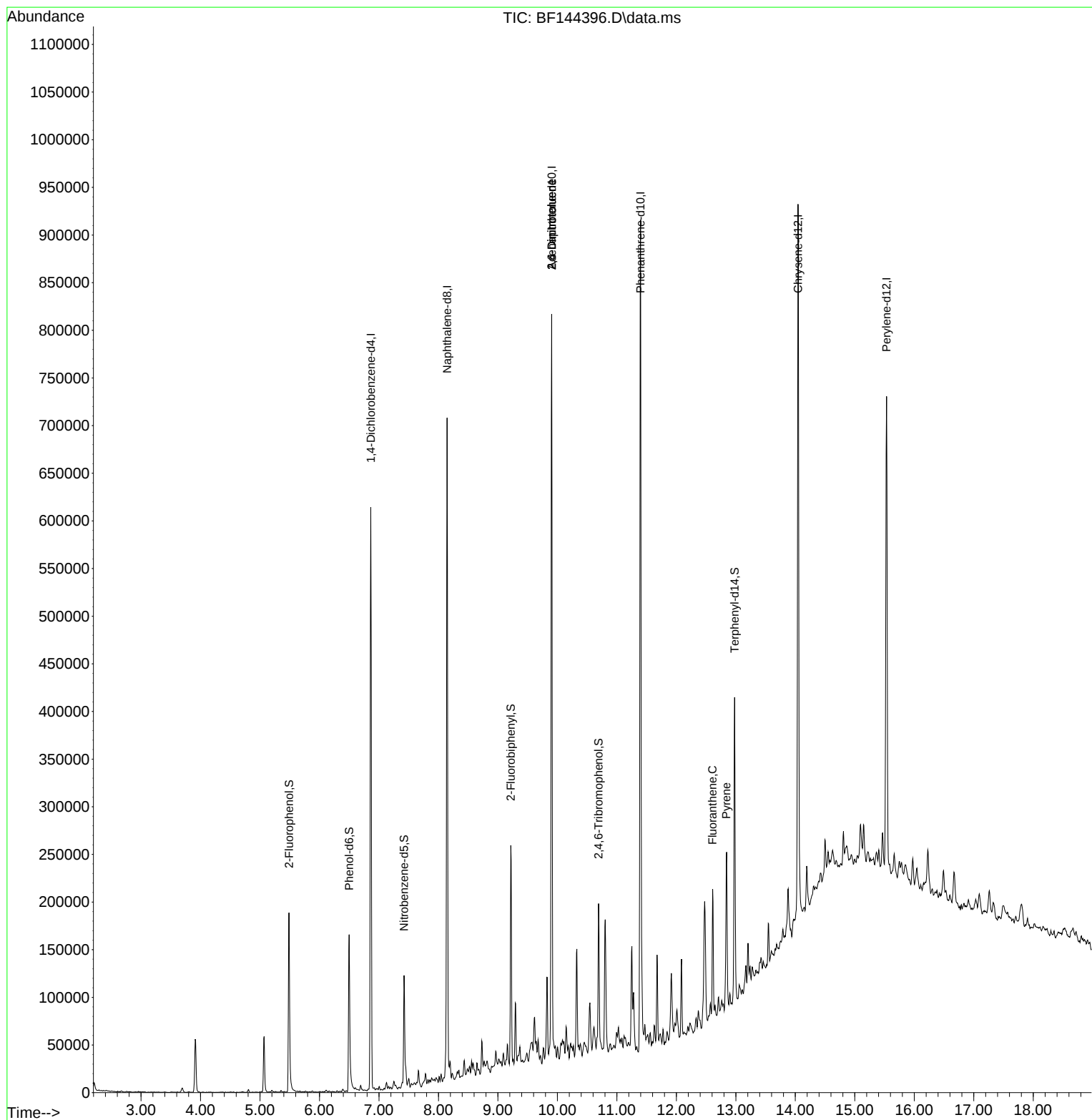
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	127936	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	438166	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	243751	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	491850	20.000	ng	0.00
76) Chrysene-d12	14.045	240	394983	20.000	ng	0.00
86) Perylene-d12	15.533	264	321431	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	89778	10.981	ng	0.00
7) Phenol-d6	6.498	99	95673	10.328	ng	0.00
23) Nitrobenzene-d5	7.422	82	54835	7.228	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	33100	10.821	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	112140	6.795	ng	-0.01
79) Terphenyl-d14	12.980	244	169489	6.816	ng	-0.01
Target Compounds						
						Qvalue
51) 2,6-Dinitrotoluene	9.904	165	33213	10.160	ng	# 28
57) 2,4-Dinitrotoluene	9.904	165	33311	7.612	ng	# 28
75) Fluoranthene	12.610	202	78783	3.114	ng	97
78) Pyrene	12.839	202	69834	2.193	ng	97

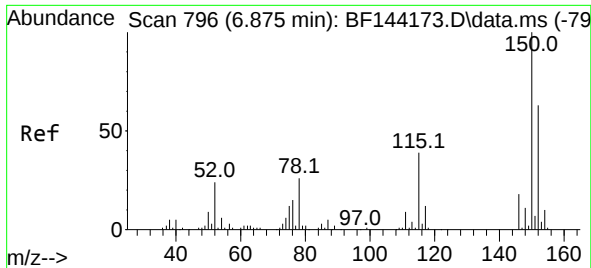
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120125\
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Quant Time: Dec 02 00:10:51 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

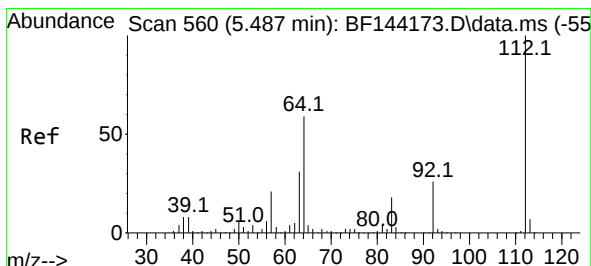
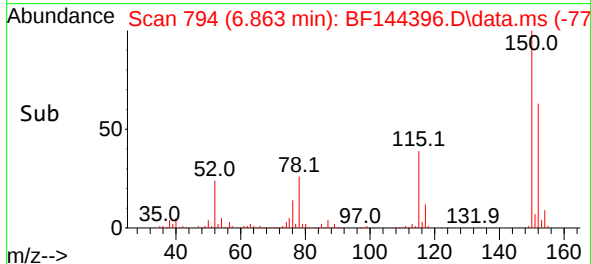
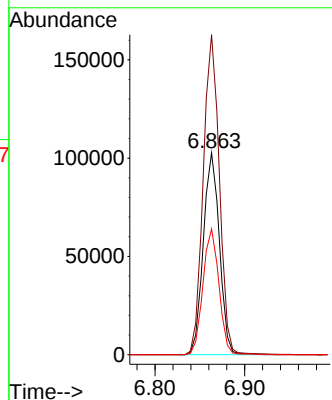
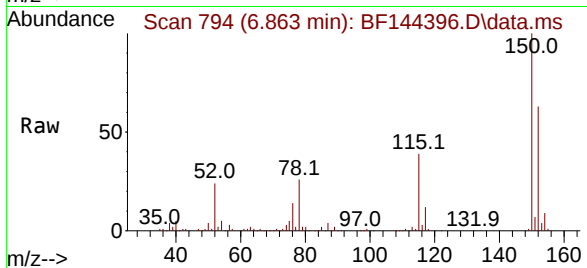




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144396.D
Acq: 01 Dec 2025 19:40

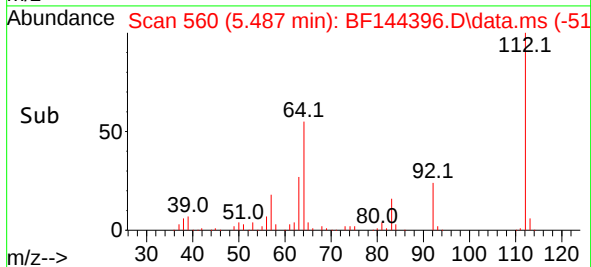
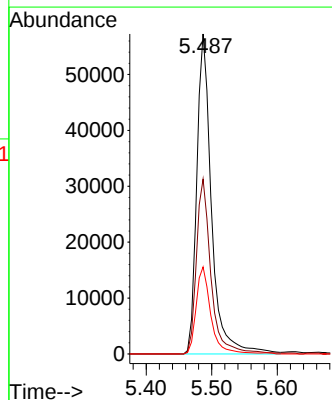
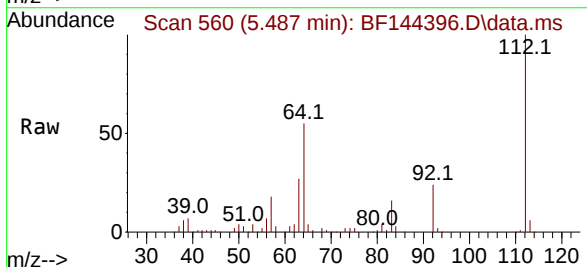
Instrument :
BNA_F
ClientSampleId :
SU-04-11-26-2025

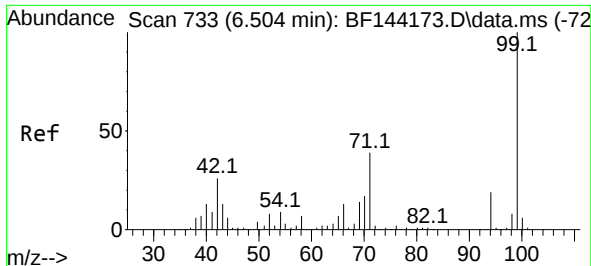
Tgt Ion:152 Resp: 127936
Ion Ratio Lower Upper
152 100
150 158.4 127.4 191.0
115 62.3 49.5 74.3



#5
2-Fluorophenol
Concen: 10.981 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144396.D
Acq: 01 Dec 2025 19:40

Tgt Ion:112 Resp: 89778
Ion Ratio Lower Upper
112 100
64 54.7 47.2 70.8
63 27.2 24.4 36.6

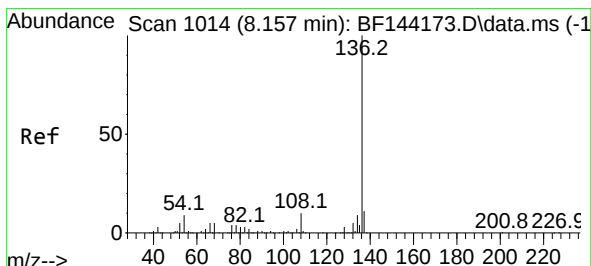
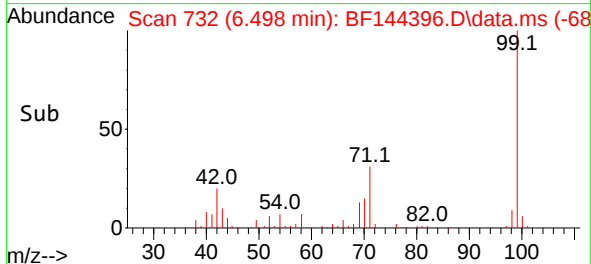
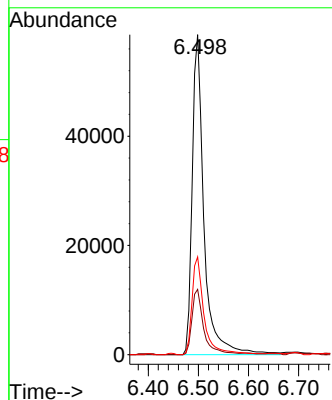
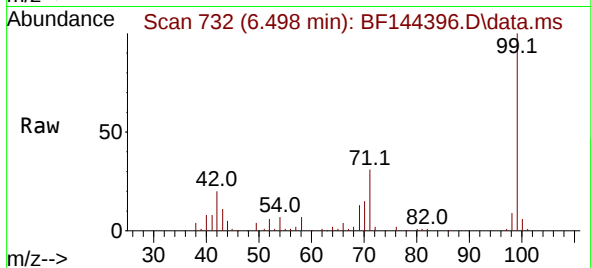




#7
Phenol-d6
Concen: 10.328 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF144396.D
Acq: 01 Dec 2025 19:40

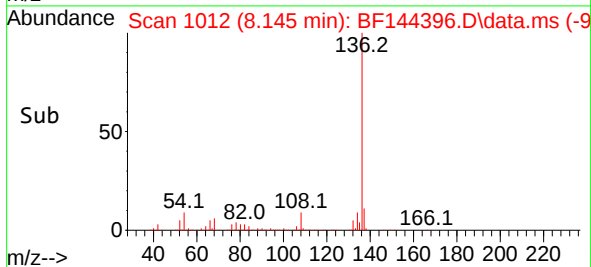
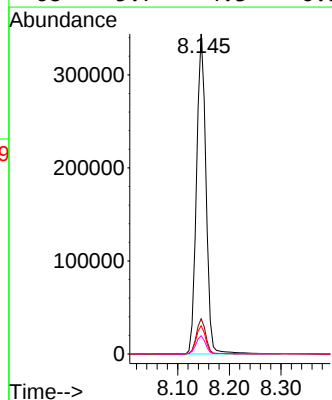
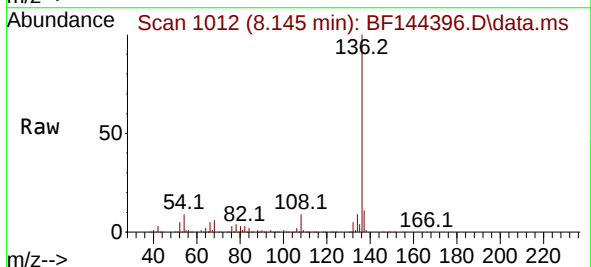
Instrument :
BNA_F
ClientSampleId :
SU-04-11-26-2025

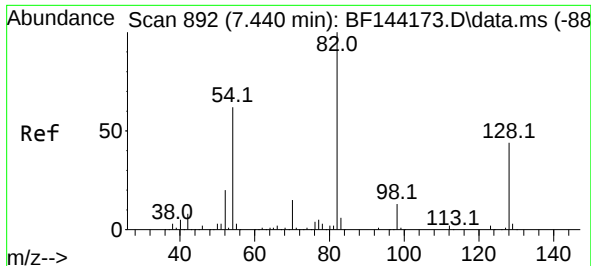
Tgt Ion: 99 Resp: 95673
Ion Ratio Lower Upper
99 100
42 20.4 20.9 31.3#
71 30.6 31.4 47.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144396.D
Acq: 01 Dec 2025 19:40

Tgt Ion: 136 Resp: 438166
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.8 7.0 10.6
68 5.7 4.3 6.5





#23

Nitrobenzene-d5

Concen: 7.228 ng

RT: 7.422 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF144396.D

Acq: 01 Dec 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SU-04-11-26-2025

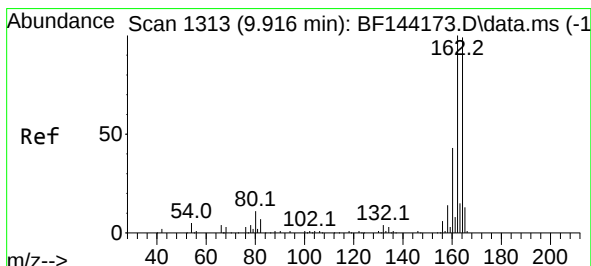
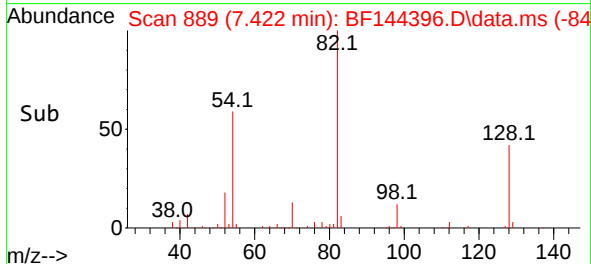
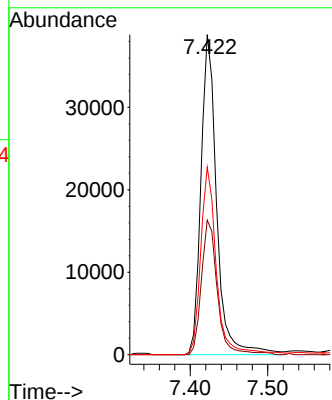
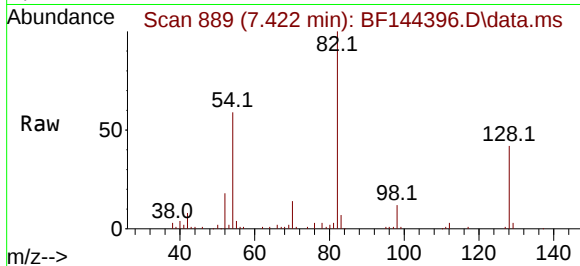
Tgt Ion: 82 Resp: 54835

Ion Ratio Lower Upper

82 100

128 42.1 34.7 52.1

54 58.6 49.5 74.3



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1311

Delta R.T. -0.012 min

Lab File: BF144396.D

Acq: 01 Dec 2025 19:40

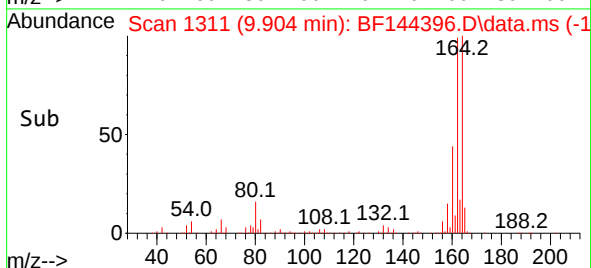
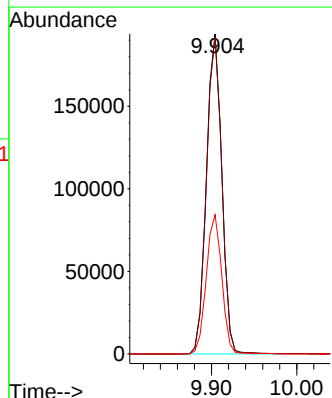
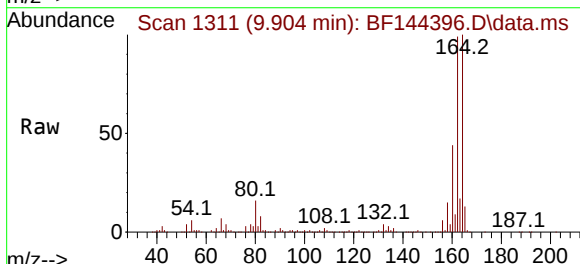
Tgt Ion: 164 Resp: 243751

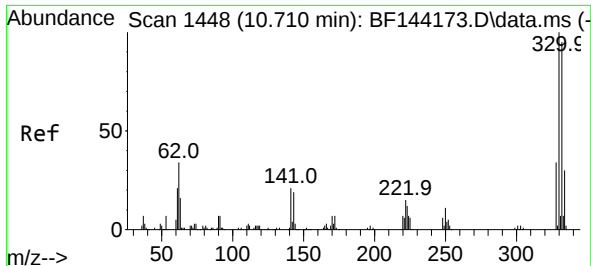
Ion Ratio Lower Upper

164 100

162 99.0 81.1 121.7

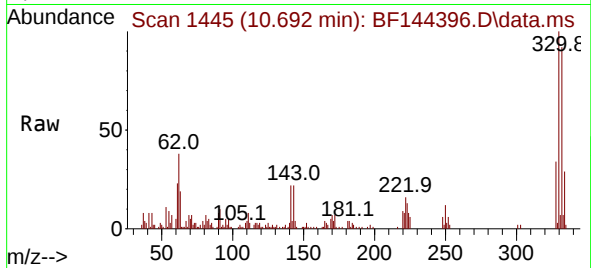
160 43.5 34.5 51.7



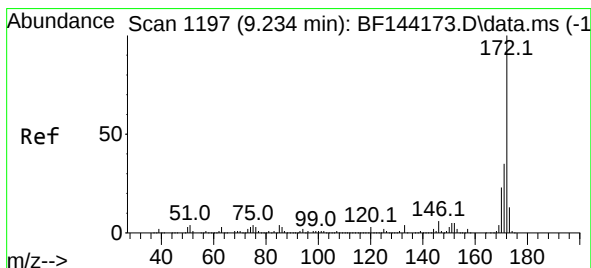
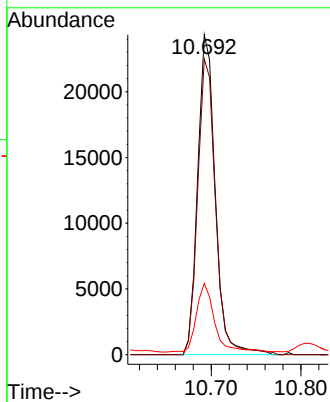
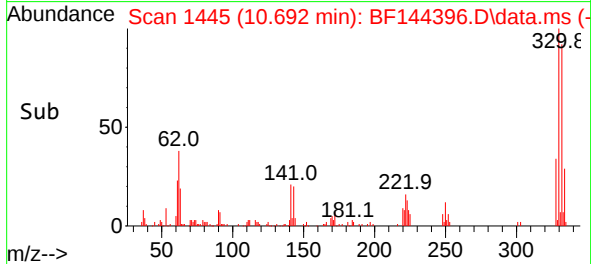


#42
2,4,6-Tribromophenol
Concen: 10.821 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144396.D
Acq: 01 Dec 2025 19:40

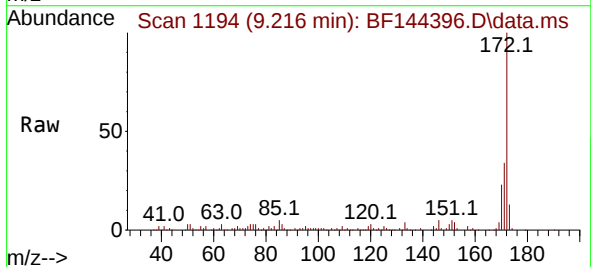
Instrument :
BNA_F
ClientSampleId :
SU-04-11-26-2025



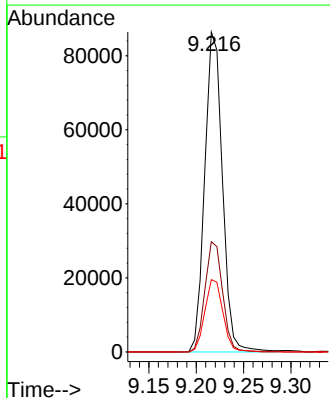
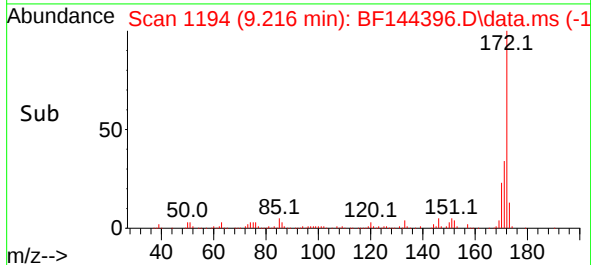
Tgt Ion: 330 Resp: 33100
Ion Ratio Lower Upper
330 100
332 94.1 76.7 115.1
141 22.1 17.8 26.8

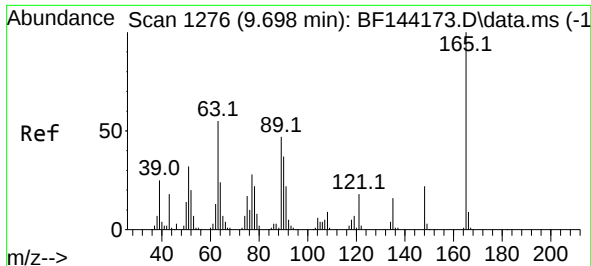


#45
2-Fluorobiphenyl
Concen: 6.795 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144396.D
Acq: 01 Dec 2025 19:40



Tgt Ion: 172 Resp: 112140
Ion Ratio Lower Upper
172 100
171 34.5 28.1 42.1
170 22.6 18.6 28.0

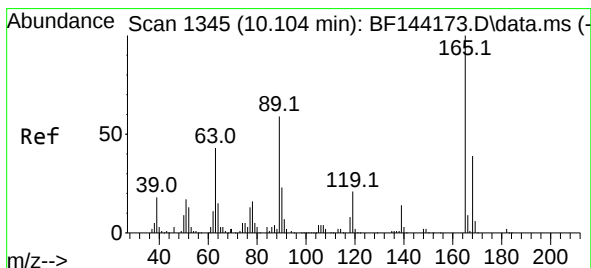
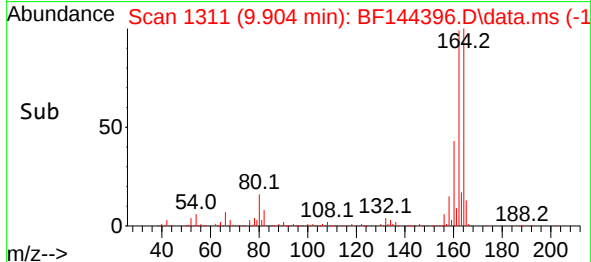
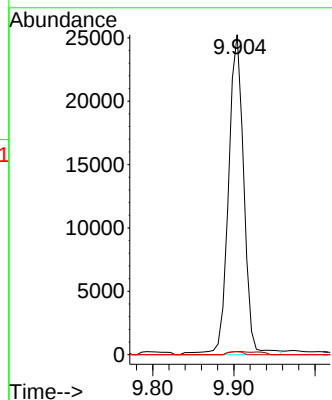
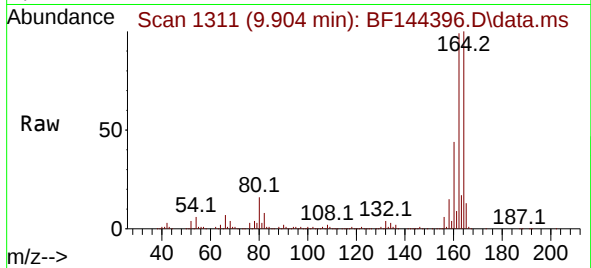




#51
2,6-Dinitrotoluene
Concen: 10.160 ng
RT: 9.904 min Scan# 1311
Delta R.T. 0.212 min
Lab File: BF144396.D
Acq: 01 Dec 2025 19:40

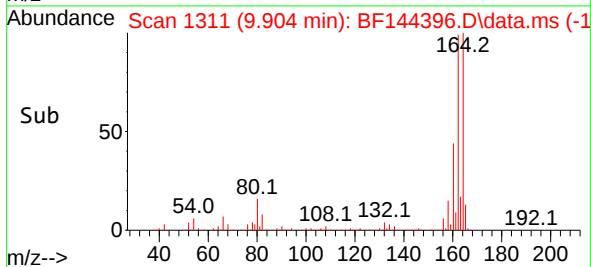
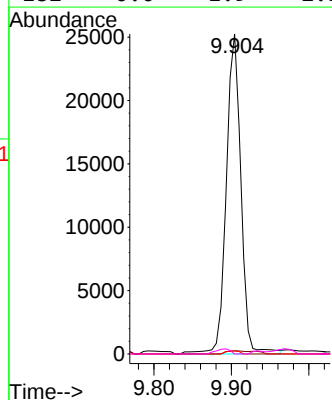
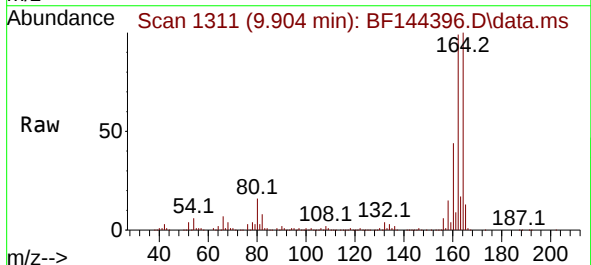
Instrument :
BNA_F
ClientSampleId :
SU-04-11-26-2025

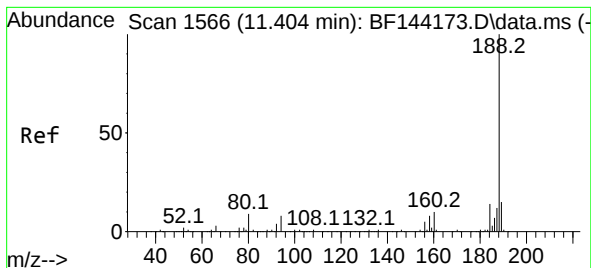
Tgt Ion:165 Resp: 33213
Ion Ratio Lower Upper
165 100
63 1.0 43.8 65.8#
89 0.9 37.5 56.3#



#57
2,4-Dinitrotoluene
Concen: 7.612 ng
RT: 9.904 min Scan# 1311
Delta R.T. -0.194 min
Lab File: BF144396.D
Acq: 01 Dec 2025 19:40

Tgt Ion:165 Resp: 33311
Ion Ratio Lower Upper
165 100
63 1.0 35.5 53.3#
89 0.9 47.4 71.2#
182 0.0 1.9 2.9#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF144396.D

Acq: 01 Dec 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SU-04-11-26-2025

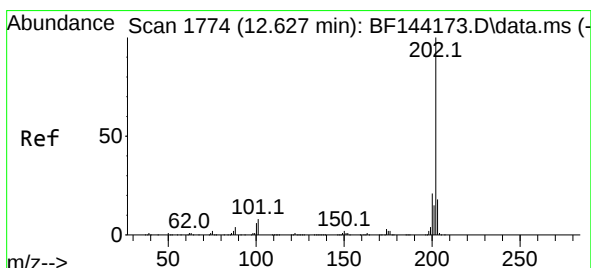
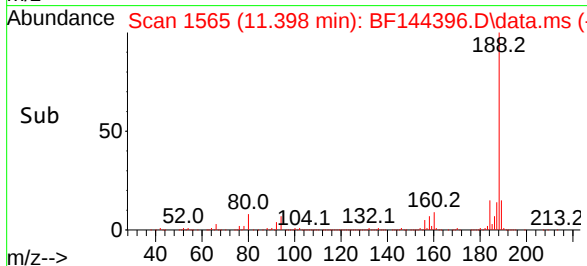
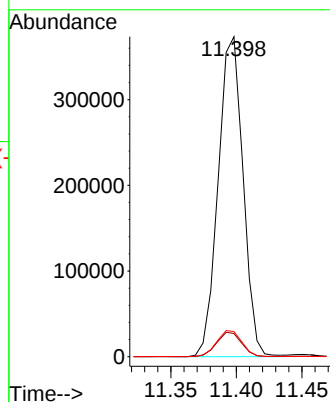
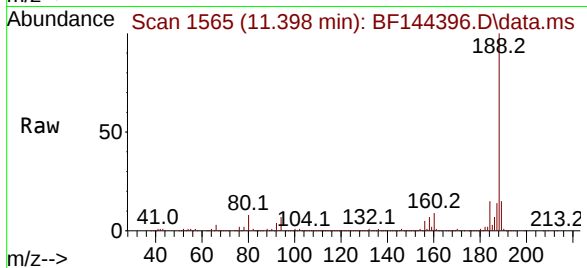
Tgt Ion:188 Resp: 491850

Ion Ratio Lower Upper

188 100

94 7.3 6.2 9.2

80 7.9 6.9 10.3



#75

Fluoranthene

Concen: 3.114 ng

RT: 12.610 min Scan# 1771

Delta R.T. -0.012 min

Lab File: BF144396.D

Acq: 01 Dec 2025 19:40

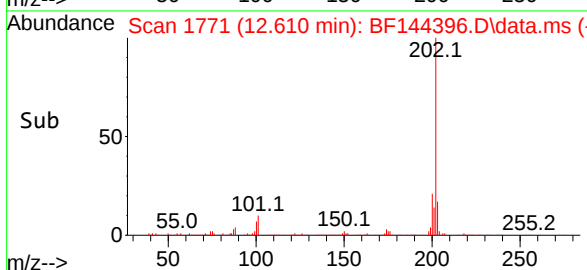
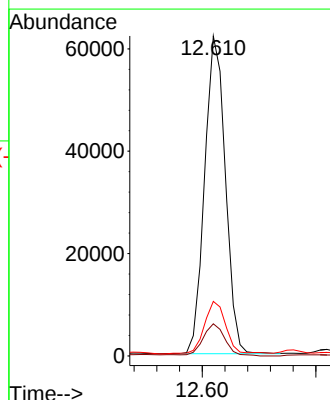
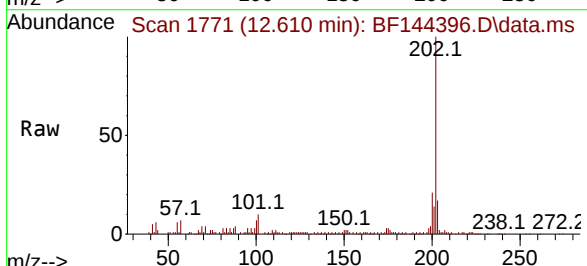
Tgt Ion:202 Resp: 78783

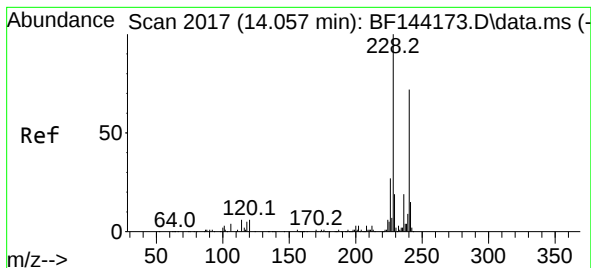
Ion Ratio Lower Upper

202 100

101 10.0 0.0 27.9

203 17.1 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF144396.D

Acq: 01 Dec 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SU-04-11-26-2025

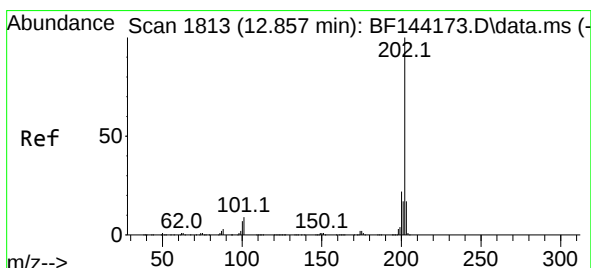
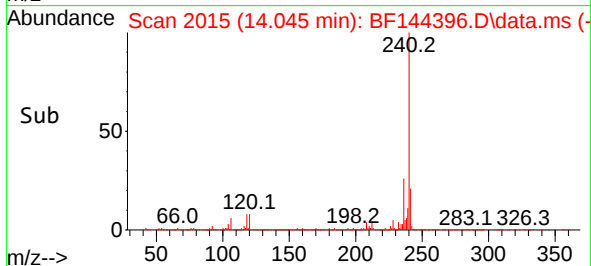
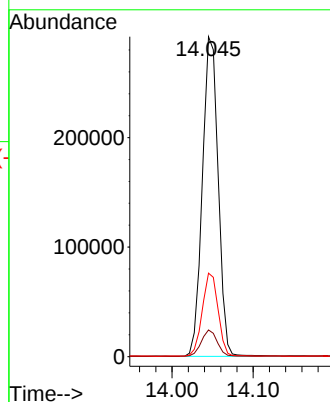
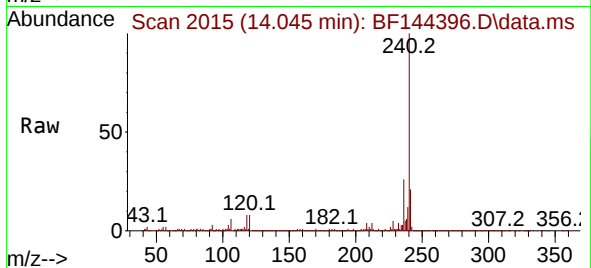
Tgt Ion:240 Resp: 394983

Ion Ratio Lower Upper

240 100

120 8.4 6.6 10.0

236 26.1 21.4 32.2



#78

Pyrene

Concen: 2.193 ng

RT: 12.839 min Scan# 1810

Delta R.T. -0.012 min

Lab File: BF144396.D

Acq: 01 Dec 2025 19:40

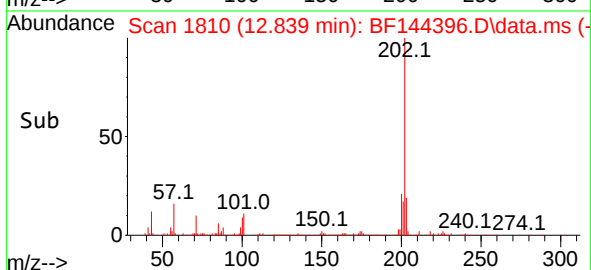
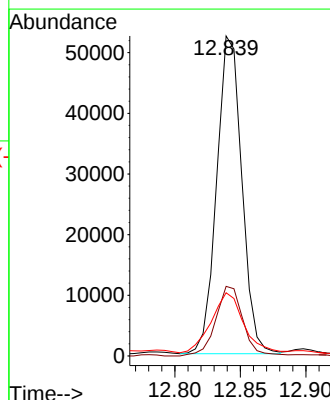
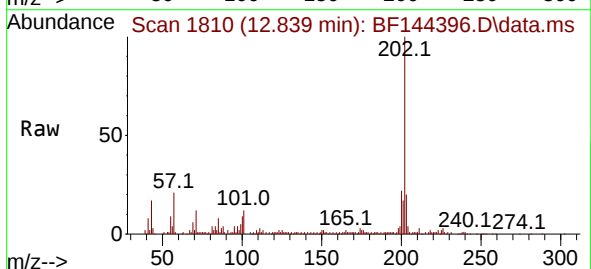
Tgt Ion:202 Resp: 69834

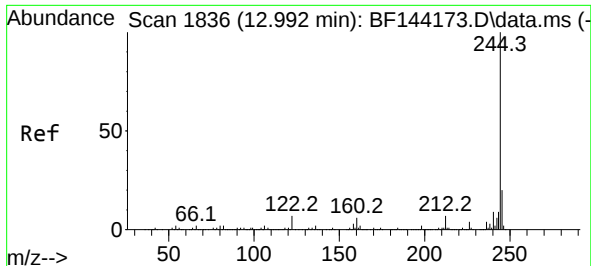
Ion Ratio Lower Upper

202 100

200 21.7 17.2 25.8

203 19.7 13.7 20.5

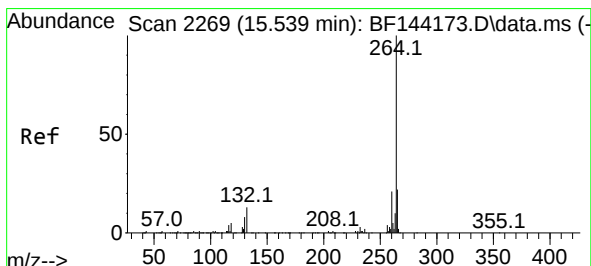
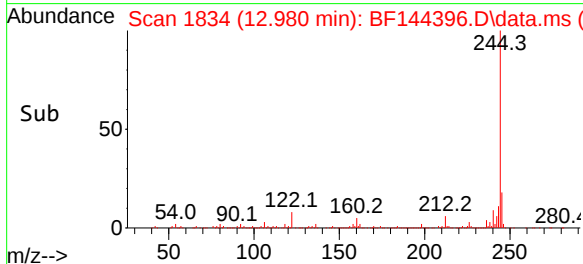
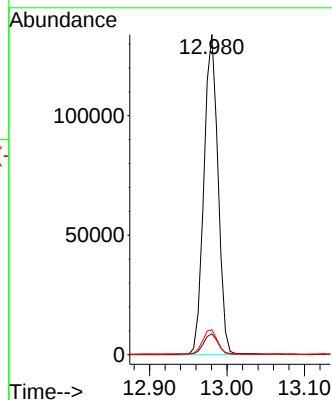
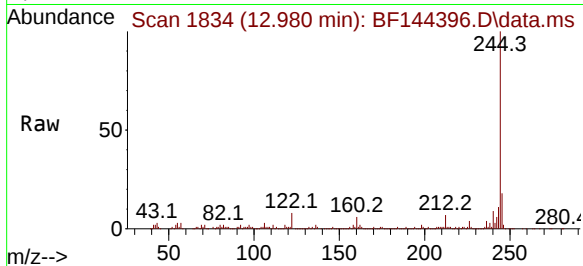




#79
 Terphenyl-d14
 Concen: 6.816 ng
 RT: 12.980 min Scan# 1834
 Delta R.T. -0.012 min
 Lab File: BF144396.D
 Acq: 01 Dec 2025 19:40

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-11-26-2025

Tgt Ion:244 Resp: 169489
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.3 7.9
 122 7.8 5.6 8.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.533 min Scan# 2268
 Delta R.T. -0.006 min
 Lab File: BF144396.D
 Acq: 01 Dec 2025 19:40

Tgt Ion:264 Resp: 321431
 Ion Ratio Lower Upper
 264 100
 260 22.2 17.1 25.7
 265 21.8 17.4 26.0

