

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
 Data File : BF144040.D
 Acq On : 22 Oct 2025 14:22
 Operator : RC/JU
 Sample : Q3376-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PR132-S12-047072-20251016

Quant Time: Oct 22 14:42:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 15:29:47 2025
 Response via : Initial Calibration

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

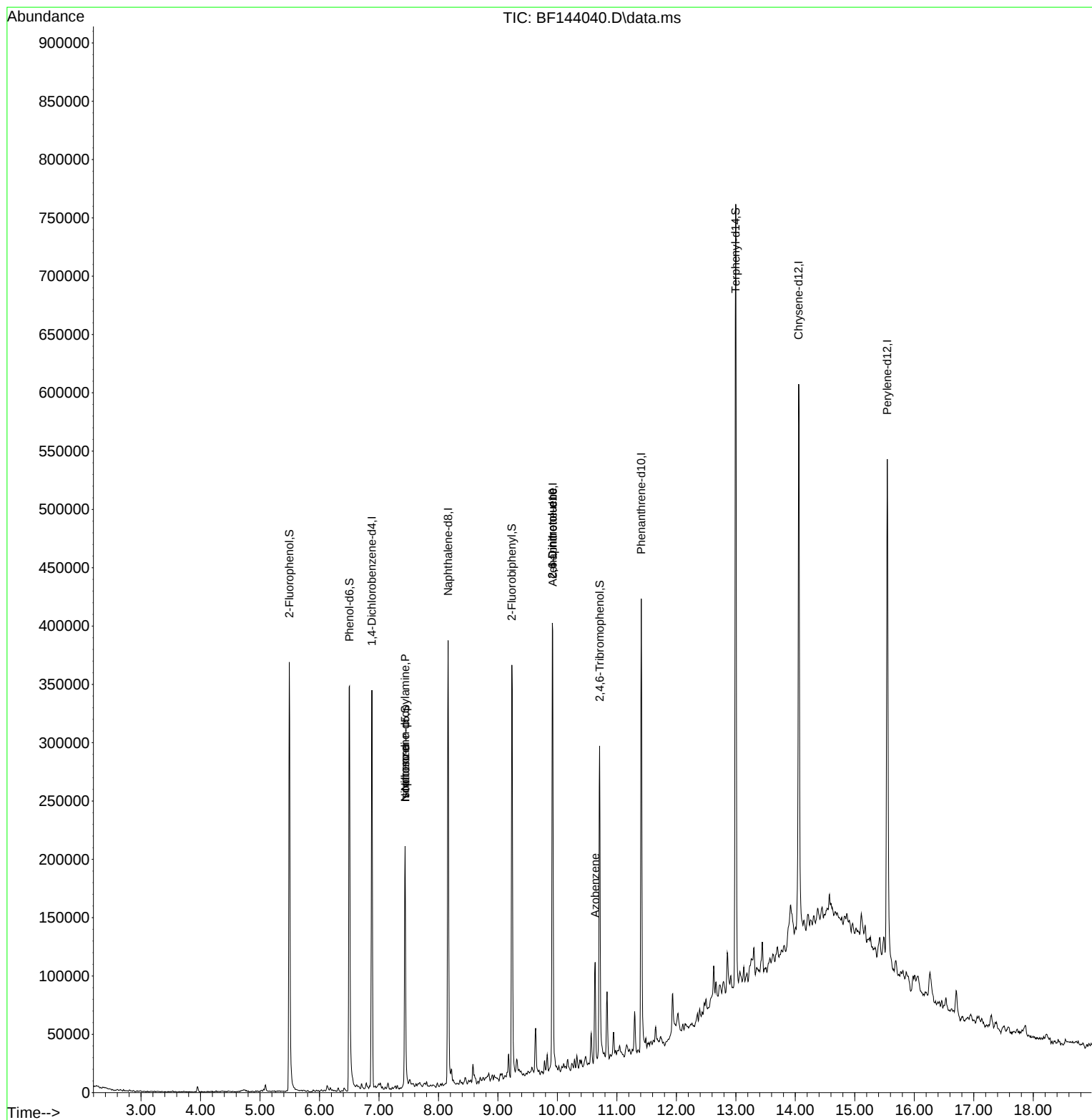
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	70898	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	250555	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	129776	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	213175	20.000	ng	0.00
76) Chrysene-d12	14.057	240	243369	20.000	ng	-0.01
86) Perylene-d12	15.545	264	287324	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	155490	34.827	ng	0.00
7) Phenol-d6	6.504	99	176554	33.176	ng	-0.01
23) Nitrobenzene-d5	7.440	82	93175	22.593	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	56069	43.377	ng	-0.01
45) 2-Fluorobiphenyl	9.234	172	186509	22.804	ng	-0.02
79) Terphenyl-d14	12.998	244	342629	24.061	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	14957	4.106	ng	# 73
25) Isophorone	7.440	82	74296	8.544	ng	# 68
51) 2,6-Dinitrotoluene	9.916	165	18005	11.782	ng	# 25
57) 2,4-Dinitrotoluene	9.916	165	18005	8.659	ng	# 26
63) Azobenzene	10.633	77	23554	2.944	ng	# 1

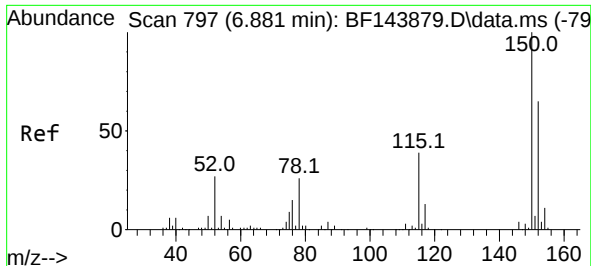
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144040.D
Acq On : 22 Oct 2025 14:22
Operator : RC/JU
Sample : Q3376-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S12-047072-20251016

Quant Time: Oct 22 14:42:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

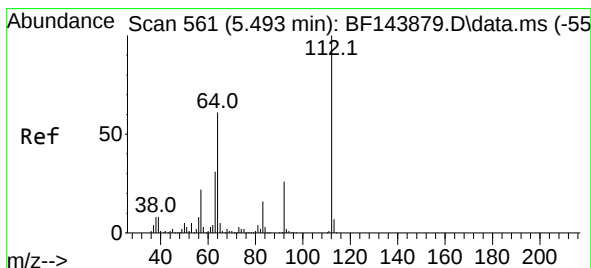
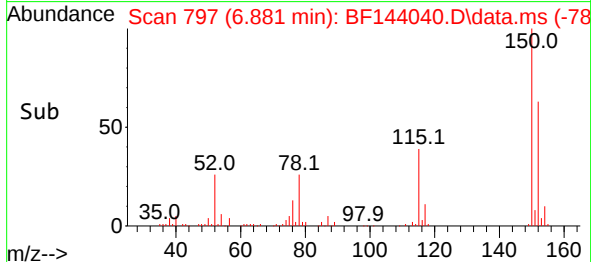
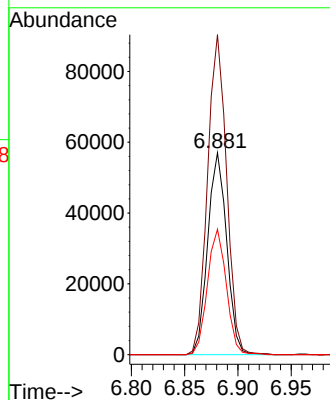
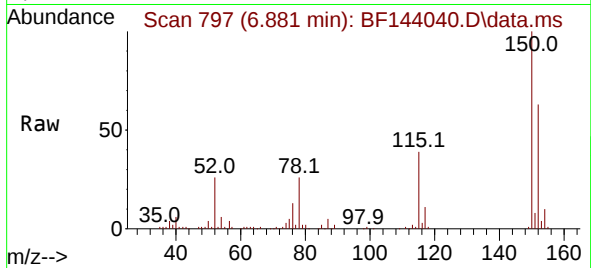




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 797
 Delta R.T. -0.005 min
 Lab File: BF144040.D
 Acq: 22 Oct 2025 14:22

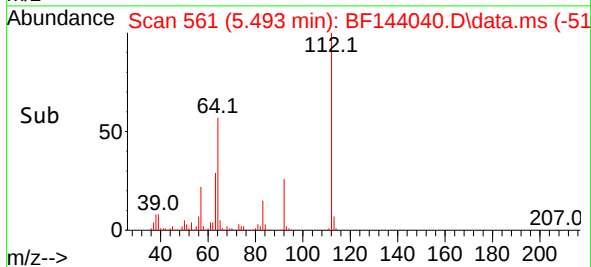
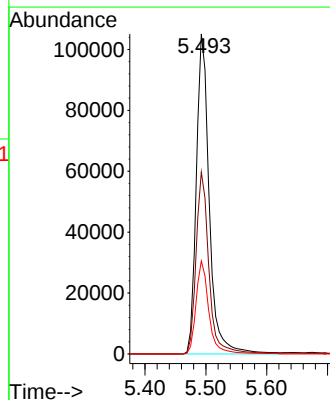
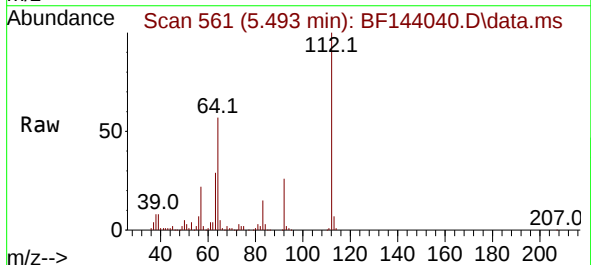
Instrument :
 BNA_F
 ClientSampleId :
 PR132-S12-047072-20251016

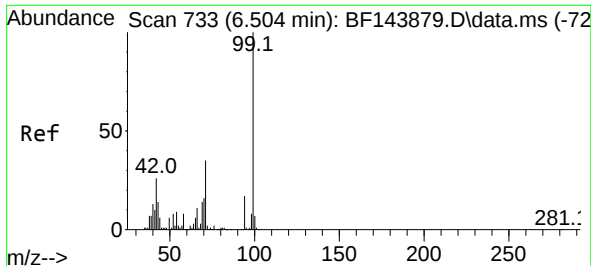
Tgt Ion:152 Resp: 70898
 Ion Ratio Lower Upper
 152 100
 150 158.4 124.4 186.6
 115 62.1 48.1 72.1



#5
 2-Fluorophenol
 Concen: 34.827 ng
 RT: 5.493 min Scan# 561
 Delta R.T. -0.006 min
 Lab File: BF144040.D
 Acq: 22 Oct 2025 14:22

Tgt Ion:112 Resp: 155490
 Ion Ratio Lower Upper
 112 100
 64 56.8 49.1 73.7
 63 29.0 24.5 36.7

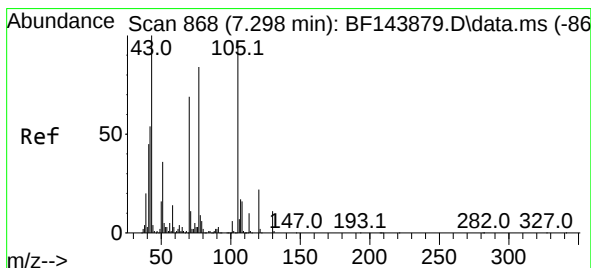
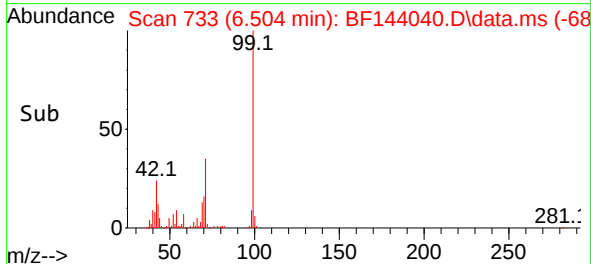
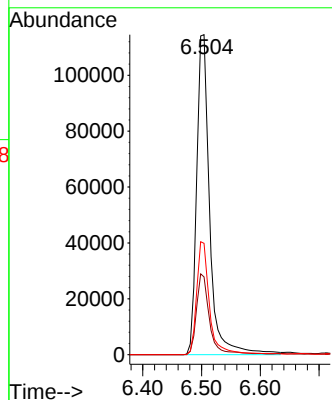
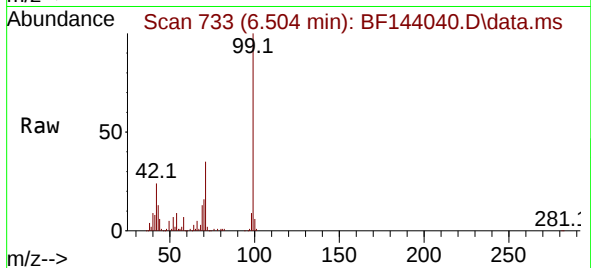




#7
Phenol-d6
Concen: 33.176 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF144040.D
Acq: 22 Oct 2025 14:22

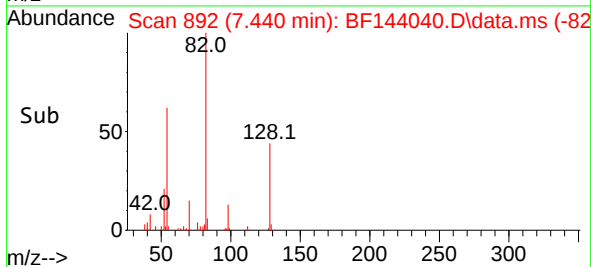
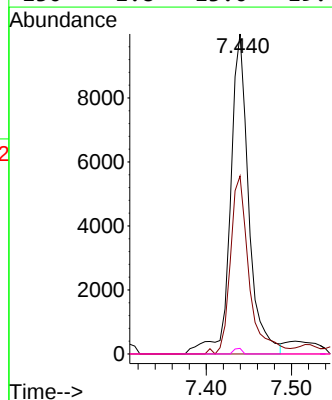
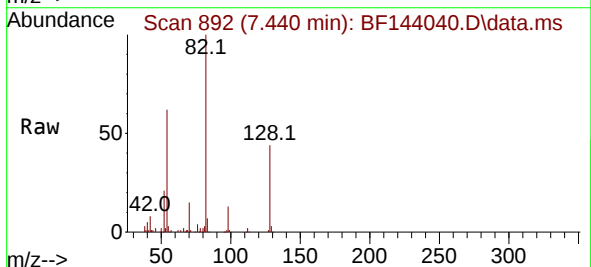
Instrument :
BNA_F
ClientSampleId :
PR132-S12-047072-20251016

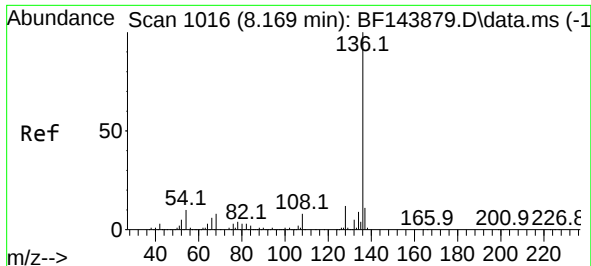
Tgt Ion: 99 Resp: 176554
Ion Ratio Lower Upper
99 100
42 24.3 21.0 31.4
71 34.8 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 4.106 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.124 min
Lab File: BF144040.D
Acq: 22 Oct 2025 14:22

Tgt Ion: 70 Resp: 14957
Ion Ratio Lower Upper
70 100
42 55.6 62.8 94.2#
101 0.0 6.7 10.1#
130 1.8 13.0 19.4#

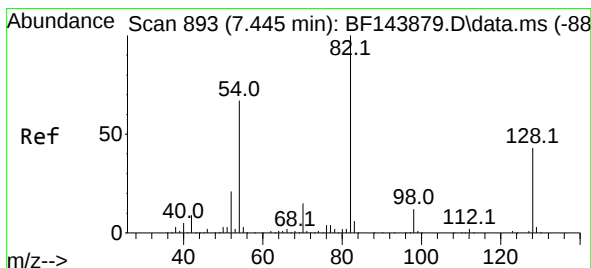
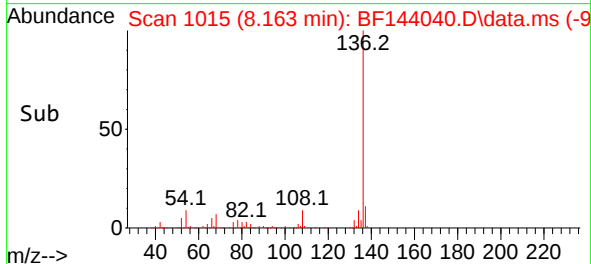
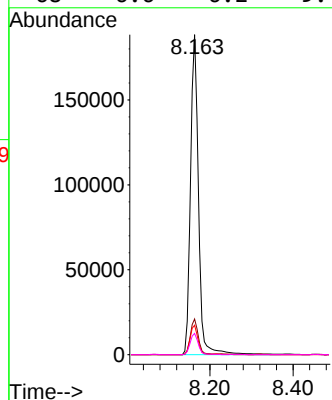
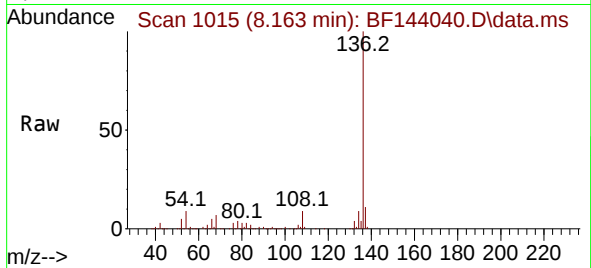




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF144040.D
Acq: 22 Oct 2025 14:22

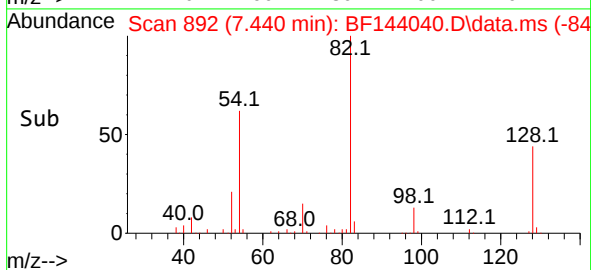
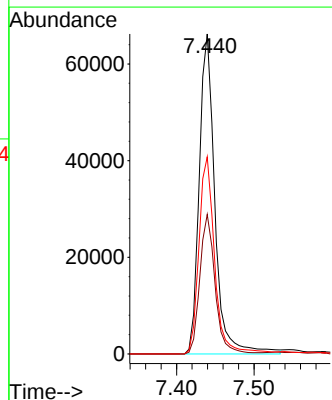
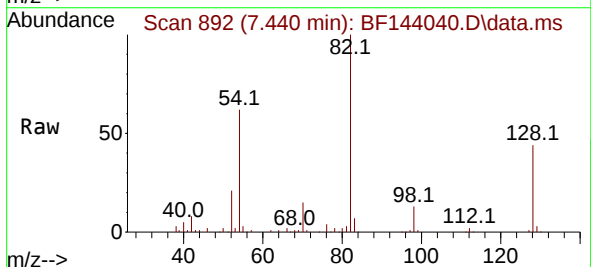
Instrument :
BNA_F
ClientSampleId :
PR132-S12-047072-20251016

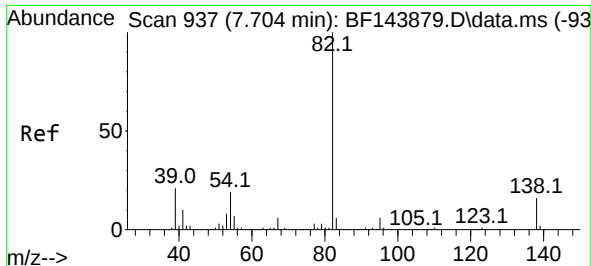
Tgt Ion:	136	Resp:	250555
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.5	12.7
54	9.2	8.2	12.4
68	6.6	6.2	9.4



#23
Nitrobenzene-d5
Concen: 22.593 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.017 min
Lab File: BF144040.D
Acq: 22 Oct 2025 14:22

Tgt Ion:	82	Resp:	93175
Ion Ratio	Lower	Upper	
82	100		
128	43.6	34.0	51.0
54	61.6	53.2	79.8

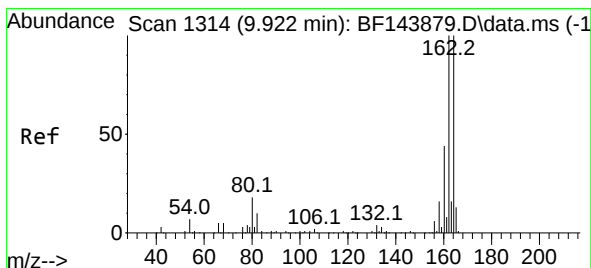
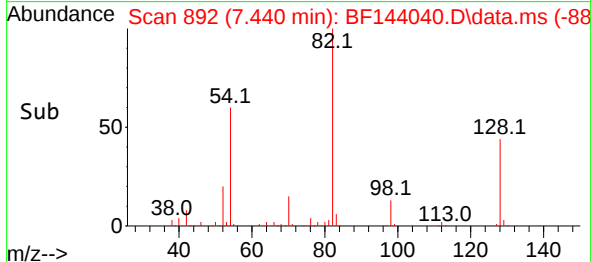
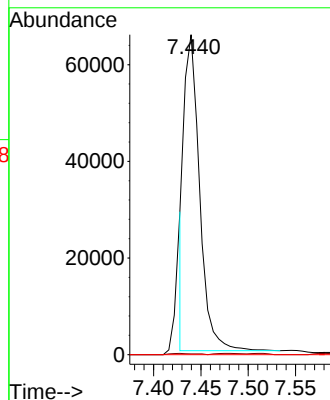
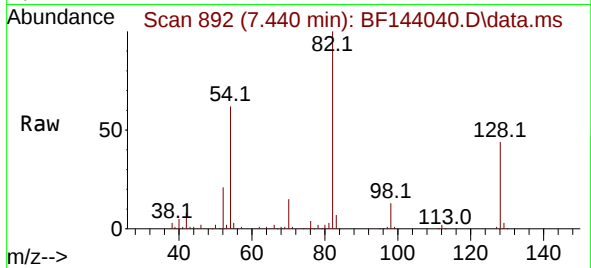




#25
Isophorone
Concen: 8.544 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.282 min
Lab File: BF144040.D
Acq: 22 Oct 2025 14:22

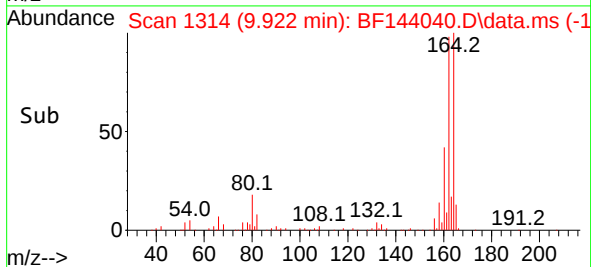
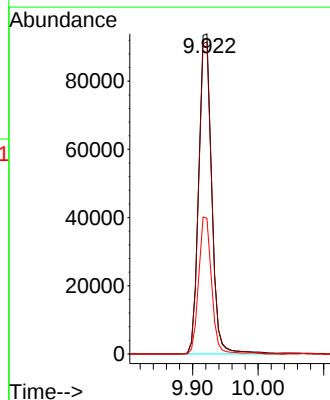
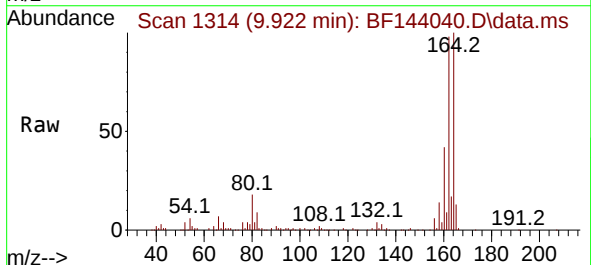
Instrument :
BNA_F
ClientSampleId :
PR132-S12-047072-20251016

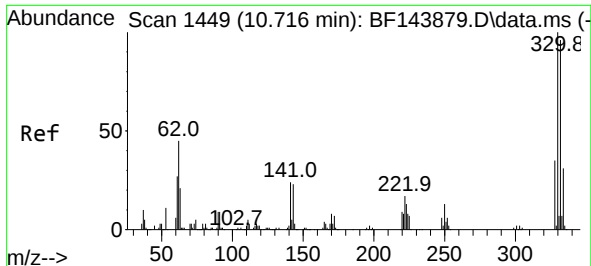
Tgt Ion: 82 Resp: 74296
Ion Ratio Lower Upper
82 100
95 0.3 5.1 7.7#
138 0.0 12.9 19.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF144040.D
Acq: 22 Oct 2025 14:22

Tgt Ion: 164 Resp: 129776
Ion Ratio Lower Upper
164 100
162 97.6 80.2 120.2
160 42.4 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 43.377 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF144040.D

Acq: 22 Oct 2025 14:22

Instrument :

BNA_F

ClientSampleId :

PR132-S12-047072-20251016

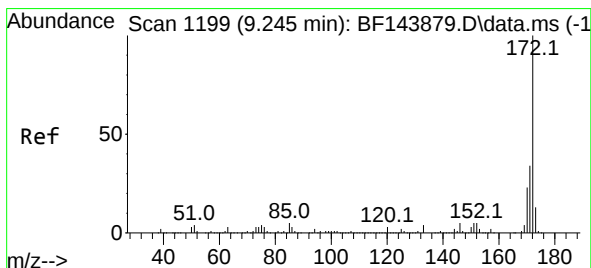
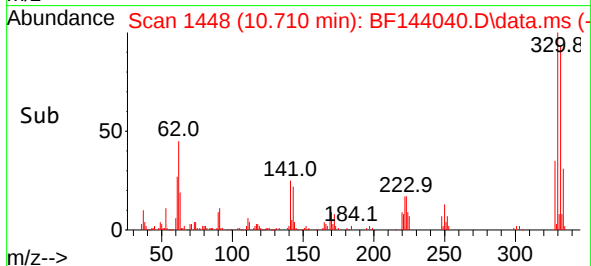
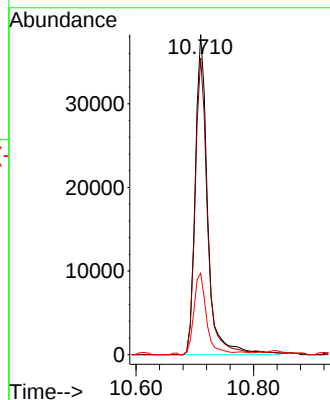
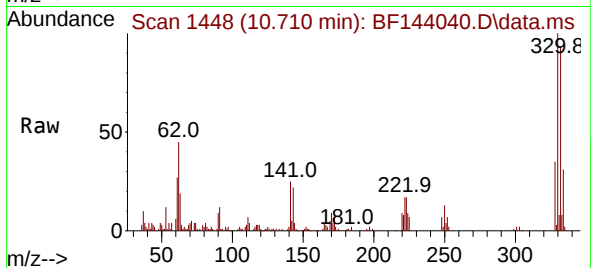
Tgt Ion:330 Resp: 56069

Ion Ratio Lower Upper

330 100

332 91.0 76.9 115.3

141 25.8 20.2 30.4



#45

2-Fluorobiphenyl

Concen: 22.804 ng

RT: 9.234 min Scan# 1197

Delta R.T. -0.017 min

Lab File: BF144040.D

Acq: 22 Oct 2025 14:22

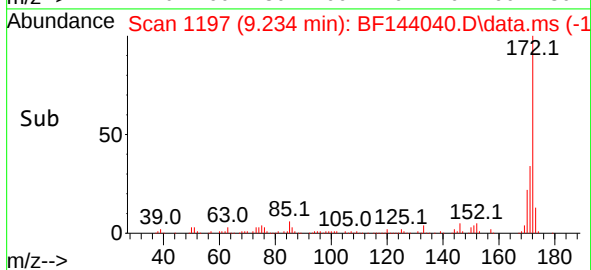
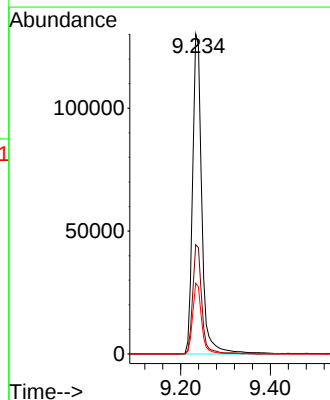
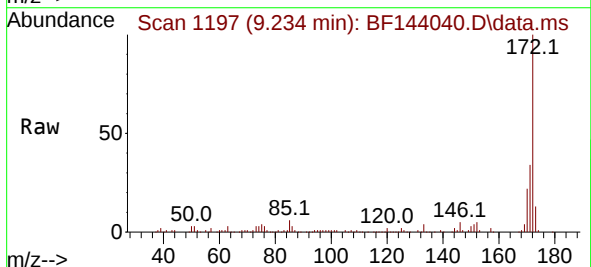
Tgt Ion:172 Resp: 186509

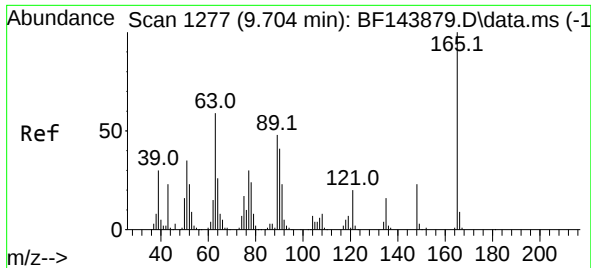
Ion Ratio Lower Upper

172 100

171 34.2 27.4 41.0

170 22.1 18.6 28.0

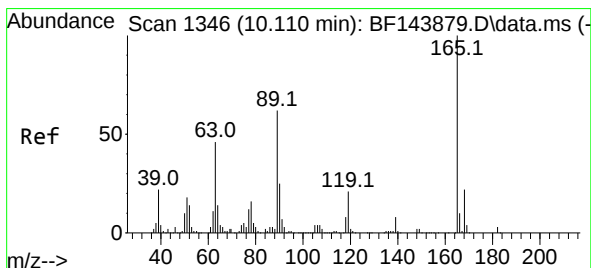
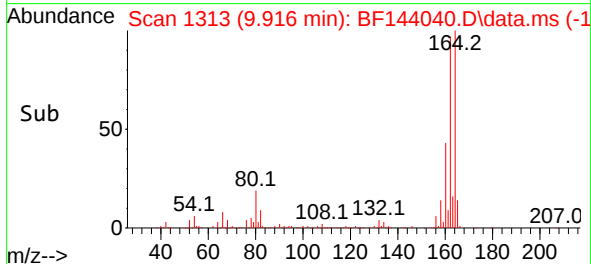
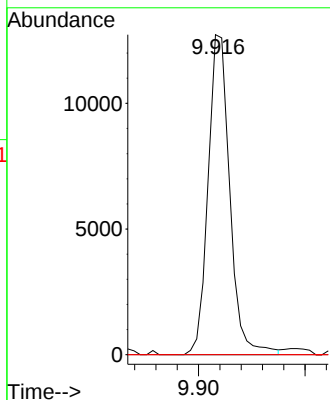
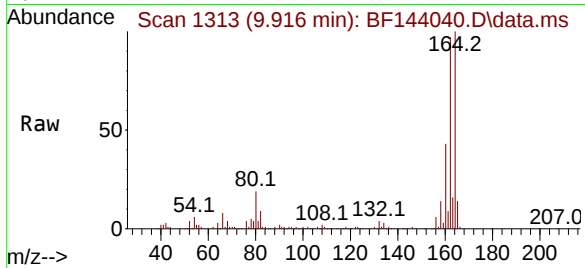




#51
2,6-Dinitrotoluene
Concen: 11.782 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF144040.D
Acq: 22 Oct 2025 14:22

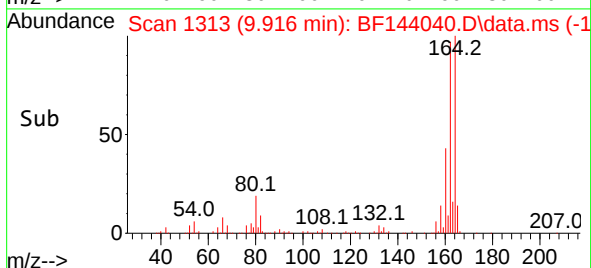
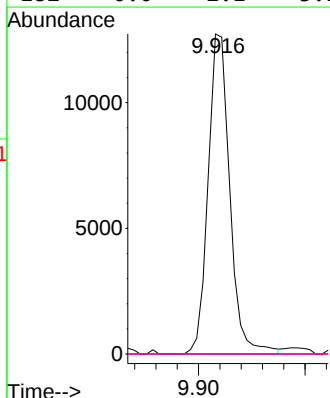
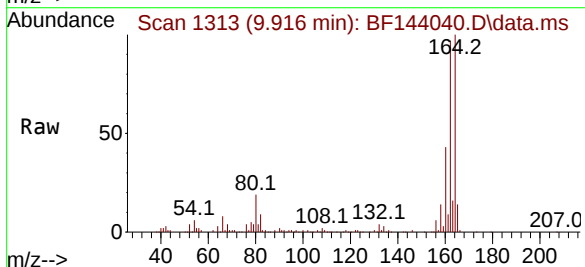
Instrument :
BNA_F
ClientSampleId :
PR132-S12-047072-20251016

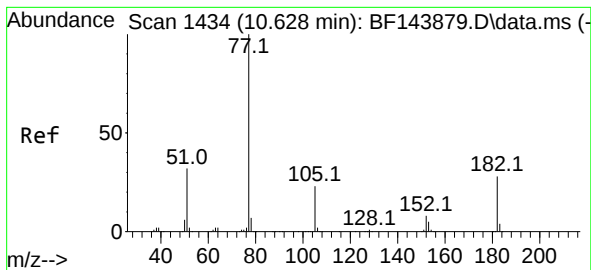
Tgt Ion:165 Resp: 18005
Ion Ratio Lower Upper
165 100
63 0.0 47.3 70.9#
89 0.0 38.2 57.4#



#57
2,4-Dinitrotoluene
Concen: 8.659 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.200 min
Lab File: BF144040.D
Acq: 22 Oct 2025 14:22

Tgt Ion:165 Resp: 18005
Ion Ratio Lower Upper
165 100
63 0.0 37.2 55.8#
89 0.0 49.4 74.2#
182 0.0 2.1 3.1#





#63

Azobenzene

Concen: 2.944 ng

RT: 10.633 min Scan# 14

Delta R.T. 0.000 min

Lab File: BF144040.D

Acq: 22 Oct 2025 14:22

Instrument :

BNA_F

ClientSampleId :

PR132-S12-047072-20251016

Tgt Ion: 77 Resp: 23554

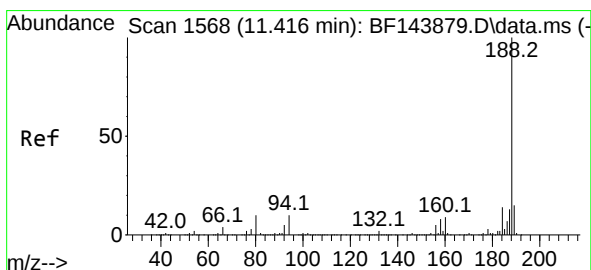
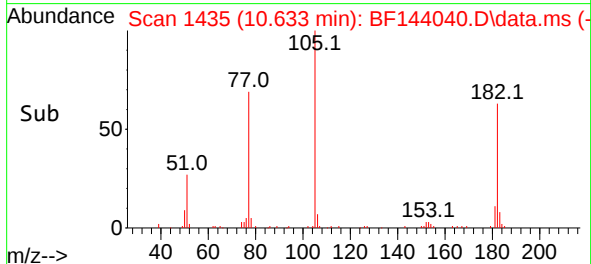
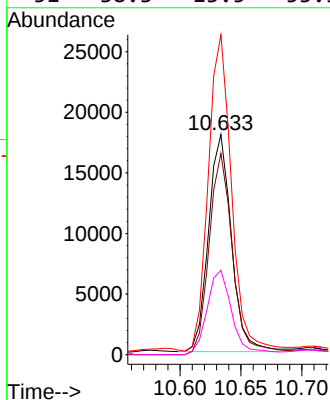
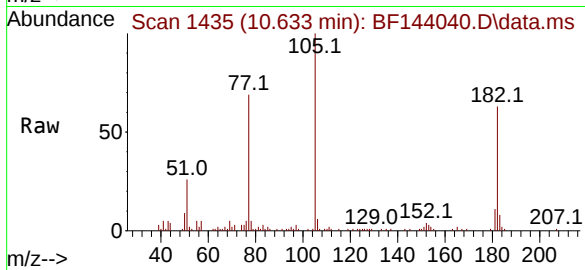
Ion Ratio Lower Upper

77 100

182 91.3 7.3 47.3#

105 145.4 3.0 43.0#

51 38.3 13.5 53.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1567

Delta R.T. -0.006 min

Lab File: BF144040.D

Acq: 22 Oct 2025 14:22

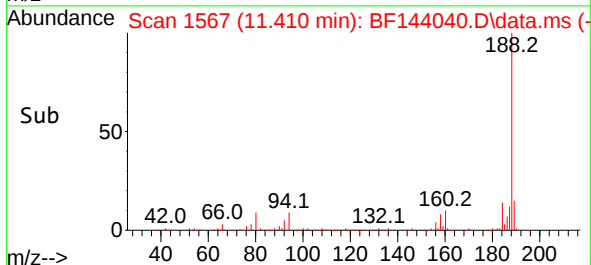
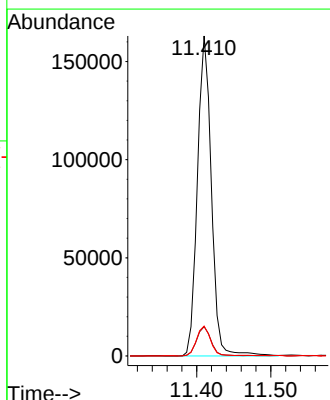
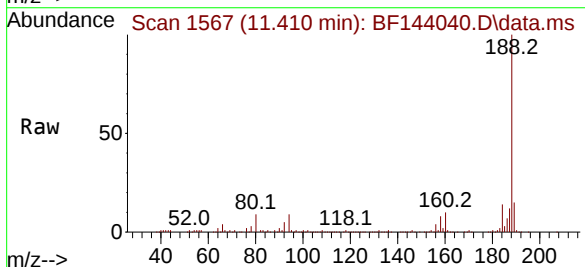
Tgt Ion: 188 Resp: 213175

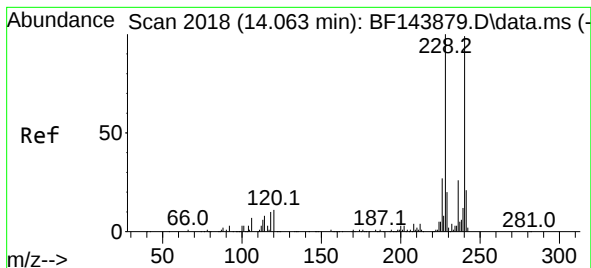
Ion Ratio Lower Upper

188 100

94 9.1 7.8 11.6

80 9.3 7.9 11.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 20

Delta R.T. -0.011 min

Lab File: BF144040.D

Acq: 22 Oct 2025 14:22

Instrument :

BNA_F

ClientSampleId :

PR132-S12-047072-20251016

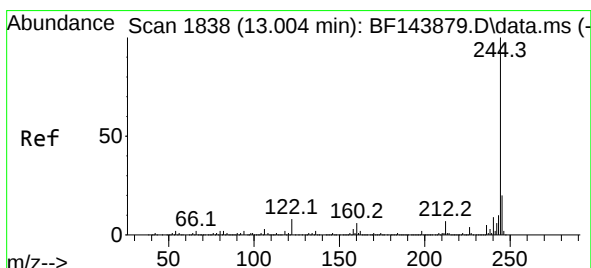
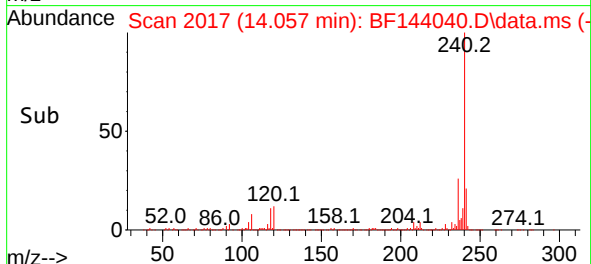
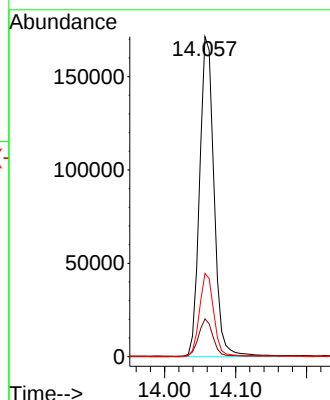
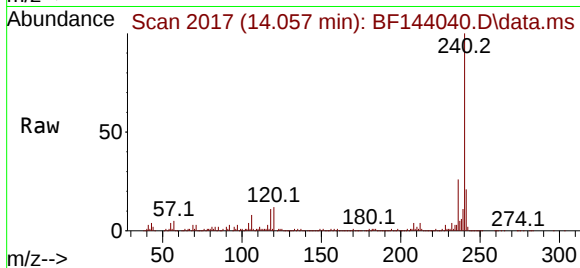
Tgt Ion:240 Resp: 243369

Ion Ratio Lower Upper

240 100

120 11.8 8.6 13.0

236 26.0 21.1 31.7



#79

Terphenyl-d14

Concen: 24.061 ng

RT: 12.998 min Scan# 1837

Delta R.T. -0.012 min

Lab File: BF144040.D

Acq: 22 Oct 2025 14:22

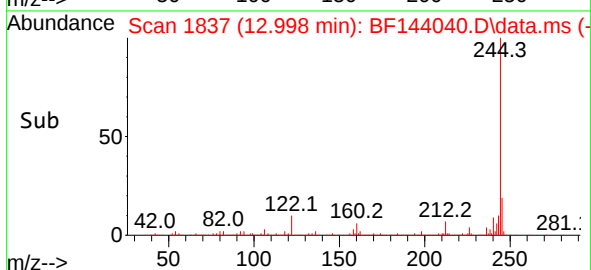
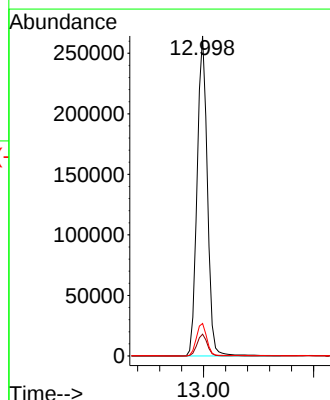
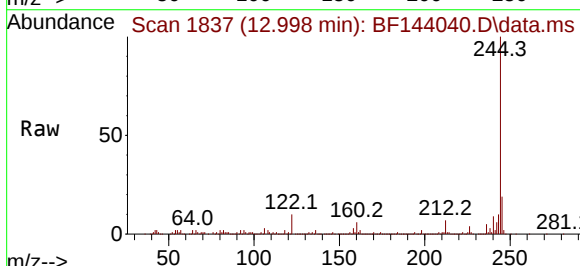
Tgt Ion:244 Resp: 342629

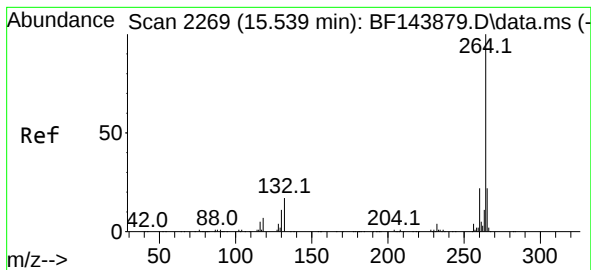
Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

122 10.2 6.4 9.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF144040.D

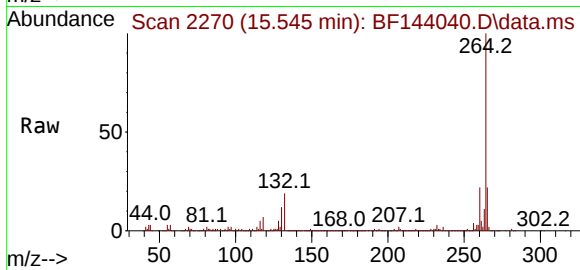
Acq: 22 Oct 2025 14:22

Instrument :

BNA_F

ClientSampleId :

PR132-S12-047072-20251016



Tgt Ion:264 Resp: 287324

Ion Ratio Lower Upper

264 100

260 22.2 17.8 26.8

265 22.1 17.5 26.3

