

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060425\
 Data File : BF142612.D
 Acq On : 04 Jun 2025 17:48
 Operator : RC/JU
 Sample : Q2160-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 04 18:21:12 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 20 16:26:47 2025
 Response via : Initial Calibration

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

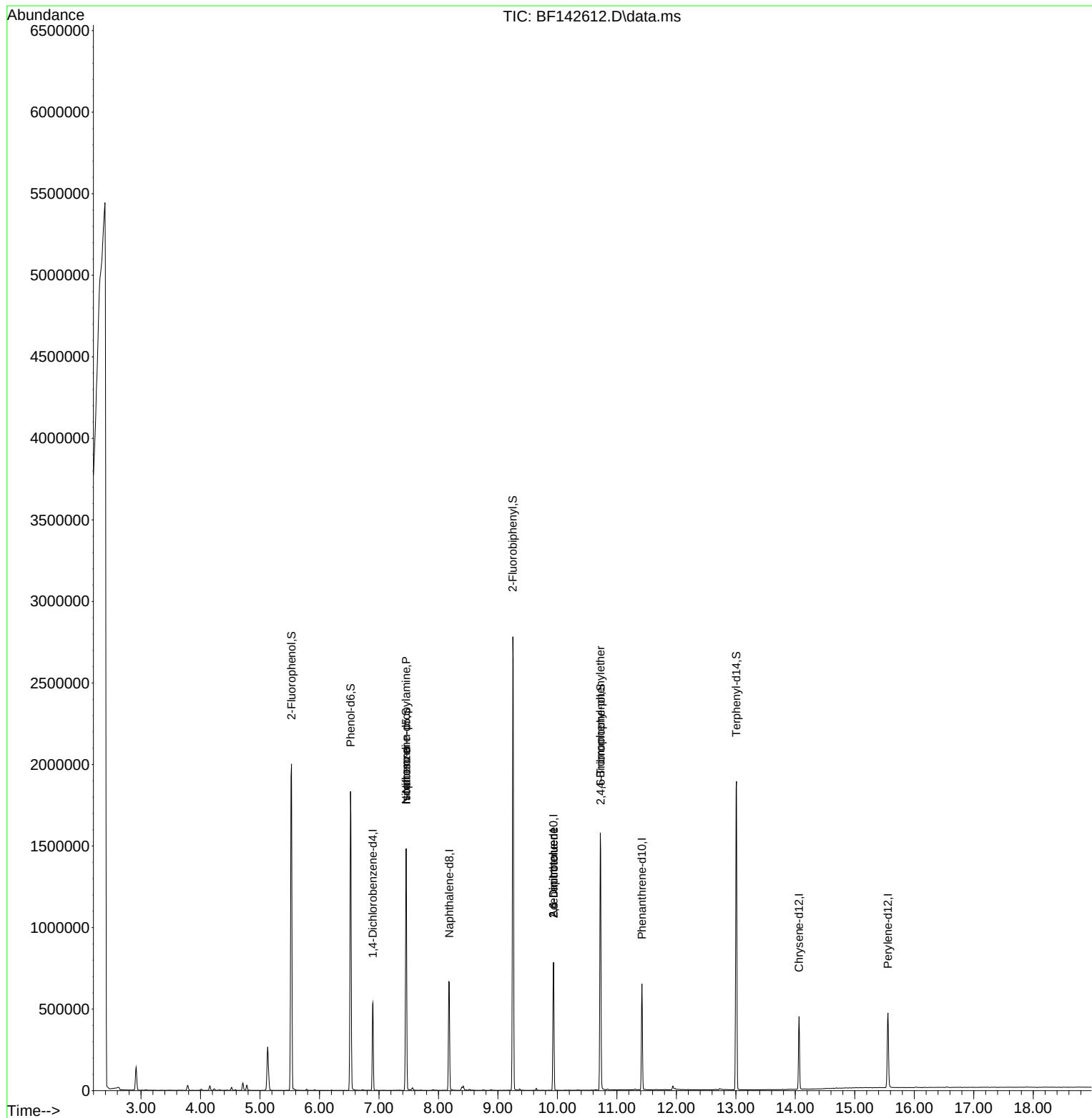
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	122107	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	455092	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	229398	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	334337	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	219434	20.000	ng	-0.01
86) Perylene-d12	15.557	264	271463	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	815161	112.471	ng	0.01
7) Phenol-d6	6.522	99	894051	102.475	ng	-0.01
23) Nitrobenzene-d5	7.457	82	646508	77.464	ng	-0.02
42) 2,4,6-Tribromophenol	10.727	330	290299	114.020	ng	-0.01
45) 2-Fluorobiphenyl	9.251	172	1279984	74.873	ng	-0.02
79) Terphenyl-d14	13.010	244	969529	60.378	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	86602	16.016	ng	# 76
25) Isophorone	7.457	82	605257	43.376	ng	# 63
51) 2,6-Dinitrotoluene	9.933	165	30097	9.213	ng	# 27
57) 2,4-Dinitrotoluene	9.933	165	30097	7.054	ng	# 28
67) 4-Bromophenyl-phenylether	10.722	248	18639	4.715	ng	# 1

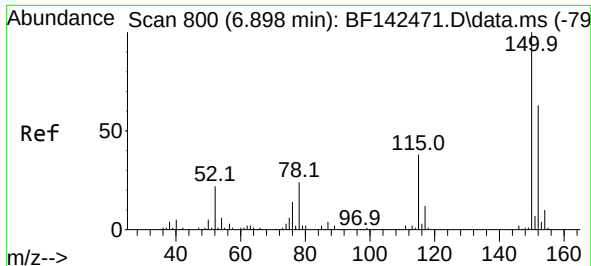
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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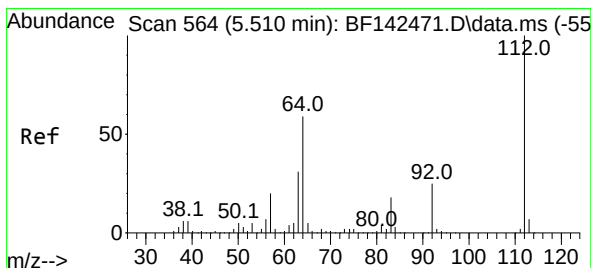
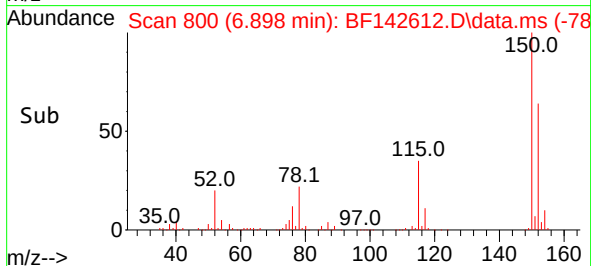
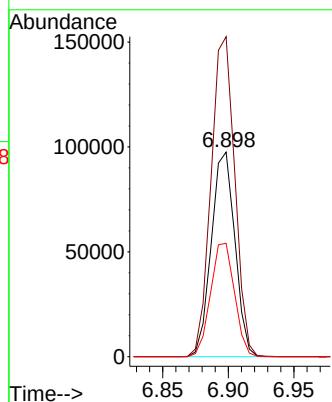
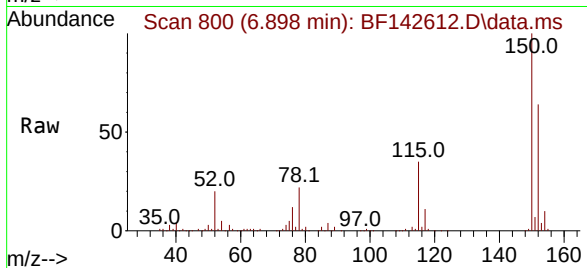




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.898 min Scan# 800
 Delta R.T. -0.006 min
 Lab File: BF142612.D
 Acq: 04 Jun 2025 17:48

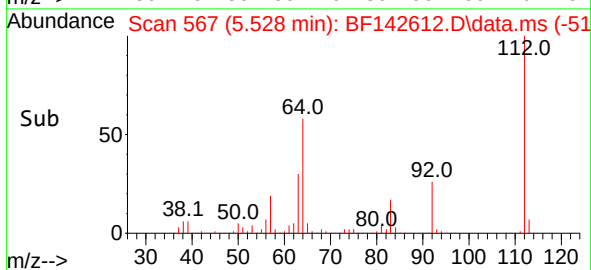
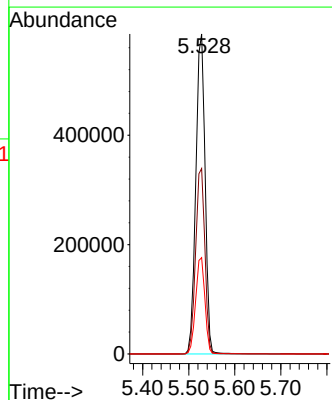
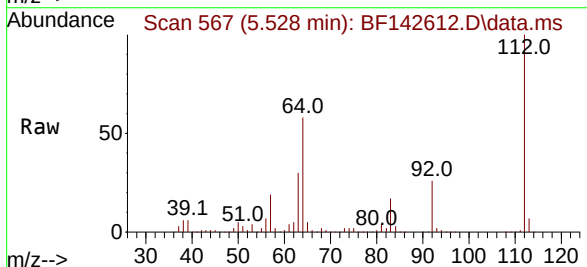
Instrument :
 BNA_F
 ClientSampleId :

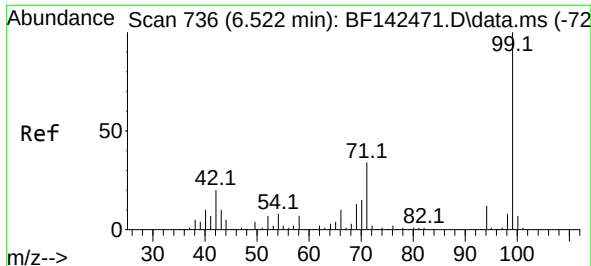
Tgt Ion:152 Resp: 122107
 Ion Ratio Lower Upper
 152 100
 150 156.4 128.2 192.4
 115 55.4 48.3 72.5



#5
 2-Fluorophenol
 Concen: 112.471 ng
 RT: 5.528 min Scan# 567
 Delta R.T. 0.012 min
 Lab File: BF142612.D
 Acq: 04 Jun 2025 17:48

Tgt Ion:112 Resp: 815161
 Ion Ratio Lower Upper
 112 100
 64 58.0 47.5 71.3
 63 30.1 24.9 37.3

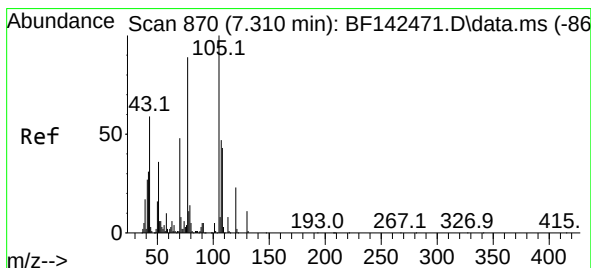
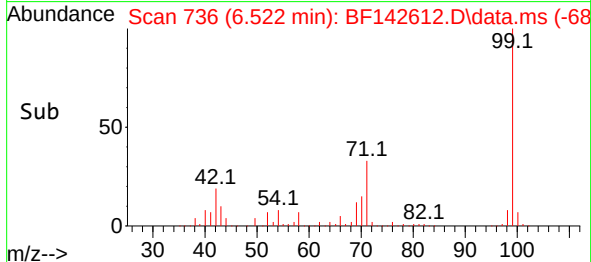
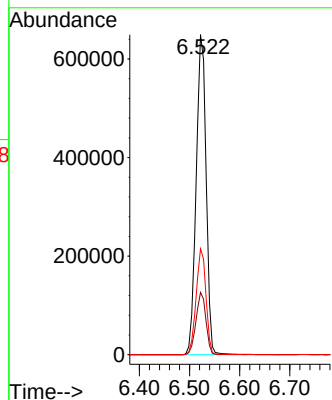
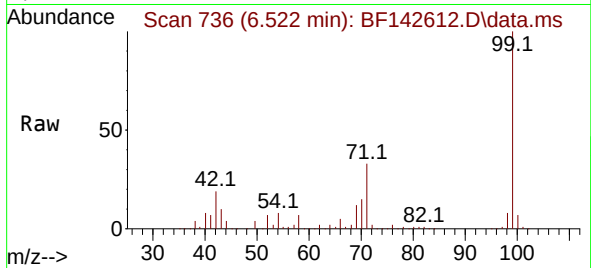




#7
Phenol-d6
Concen: 102.475 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142612.D
Acq: 04 Jun 2025 17:48

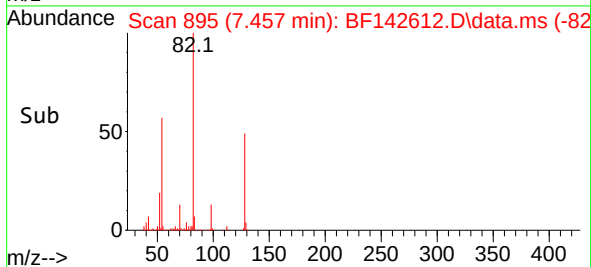
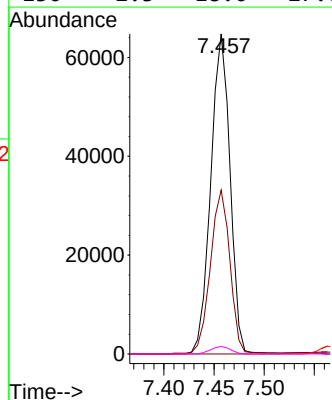
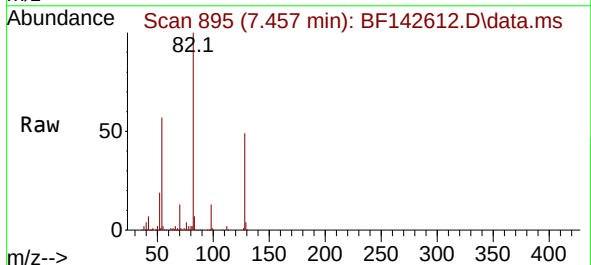
Instrument :
BNA_F
ClientSampleId :

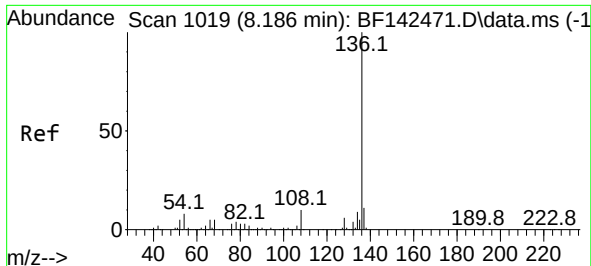
Tgt Ion: 99 Resp: 894051
Ion Ratio Lower Upper
99 100
42 19.4 16.2 24.2
71 33.1 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 16.016 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.130 min
Lab File: BF142612.D
Acq: 04 Jun 2025 17:48

Tgt Ion: 70 Resp: 86602
Ion Ratio Lower Upper
70 100
42 51.2 52.4 78.6#
101 0.0 7.8 11.8#
130 2.3 18.0 27.0#

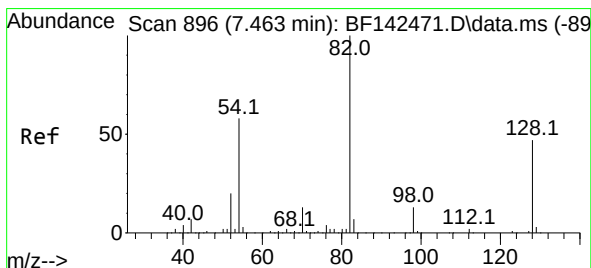
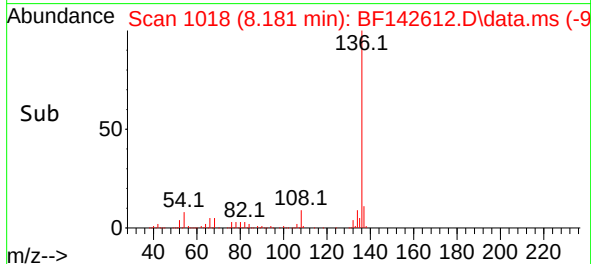
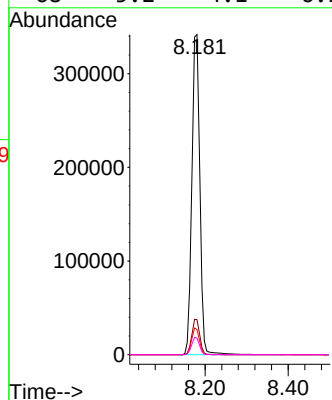
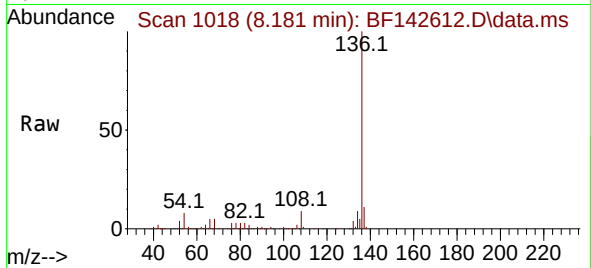




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142612.D
Acq: 04 Jun 2025 17:48

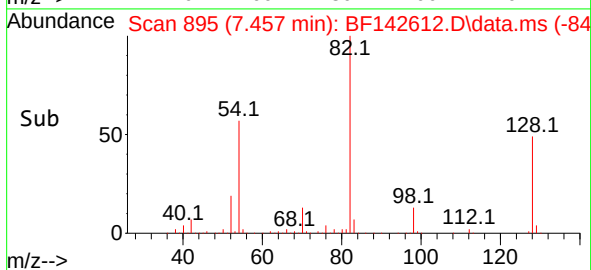
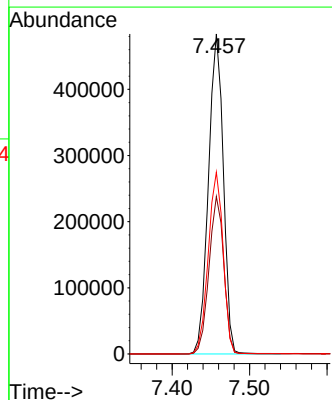
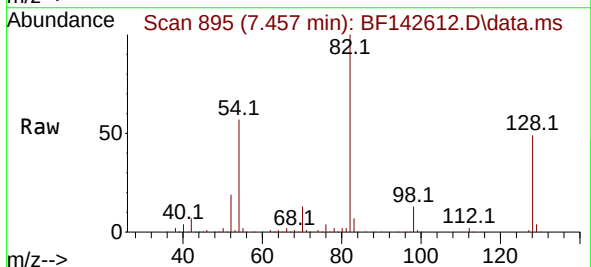
Instrument :
BNA_F
ClientSampleId :

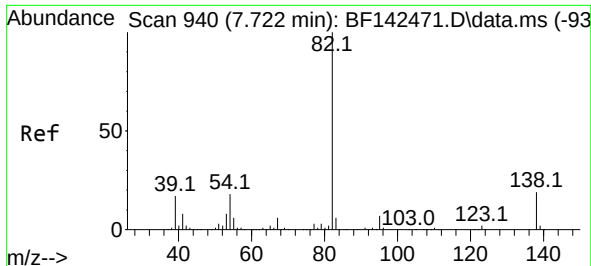
Tgt Ion:136 Resp: 455092
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 7.8 6.6 10.0
68 5.2 4.1 6.1



#23
Nitrobenzene-d5
Concen: 77.464 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF142612.D
Acq: 04 Jun 2025 17:48

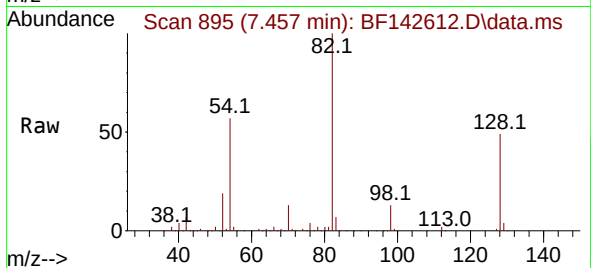
Tgt Ion: 82 Resp: 646508
Ion Ratio Lower Upper
82 100
128 49.2 37.4 56.2
54 56.8 46.6 70.0



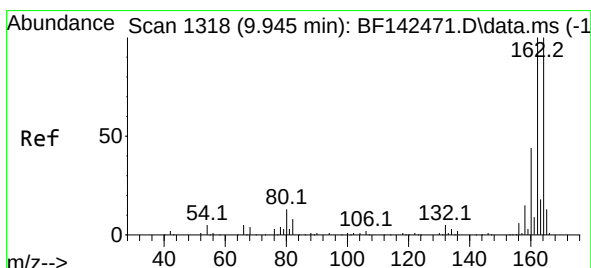
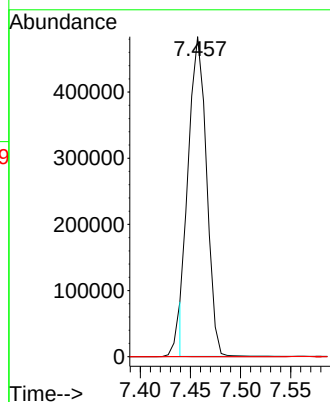
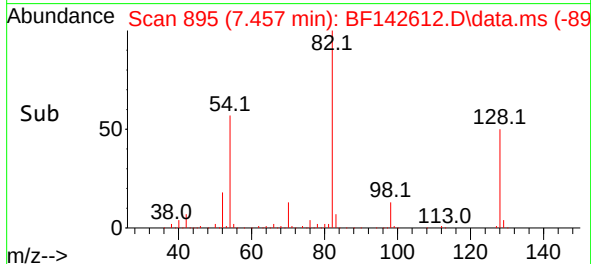


#25
Isophorone
Concen: 43.376 ng
RT: 7.457 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF142612.D
Acq: 04 Jun 2025 17:48

Instrument :
BNA_F
ClientSampleId :

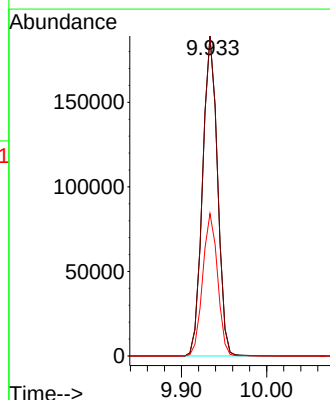
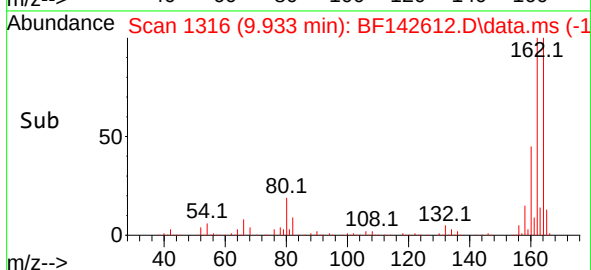
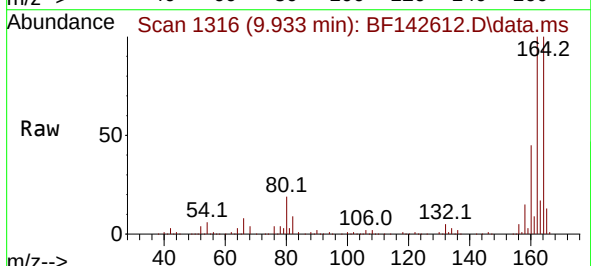


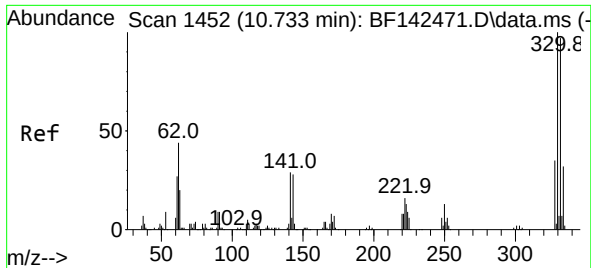
Tgt Ion: 82 Resp: 605257
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142612.D
Acq: 04 Jun 2025 17:48

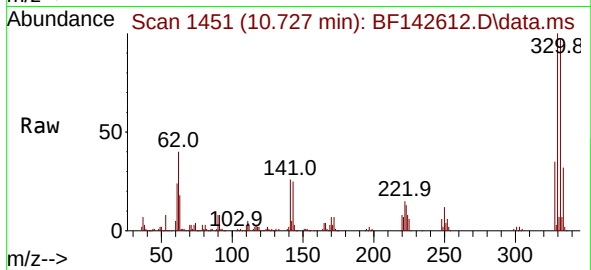
Tgt Ion:164 Resp: 229398
Ion Ratio Lower Upper
164 100
162 100.1 80.2 120.4
160 44.6 35.6 53.4



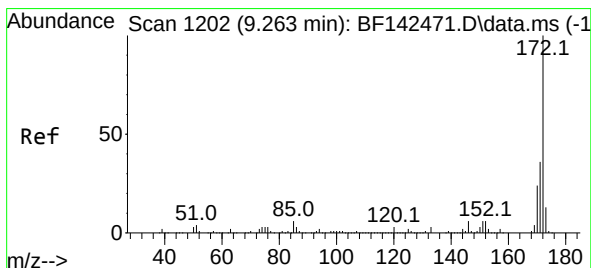
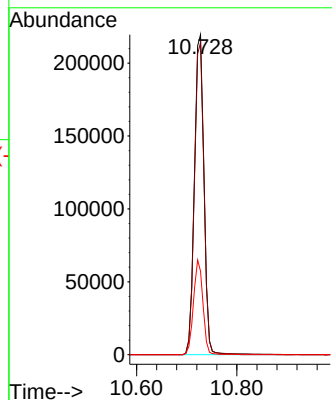
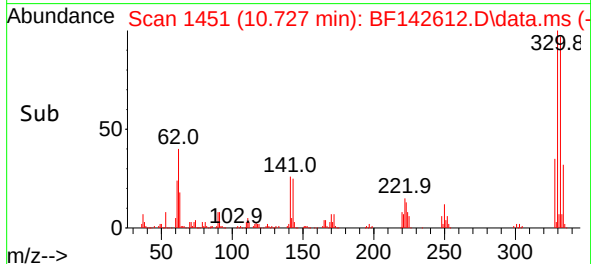


#42
2,4,6-Tribromophenol
Concen: 114.020 ng
RT: 10.727 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142612.D
Acq: 04 Jun 2025 17:48

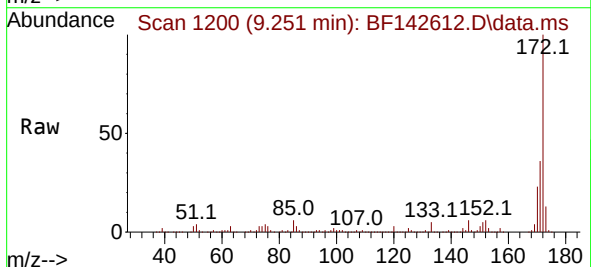
Instrument :
BNA_F
ClientSampleId :



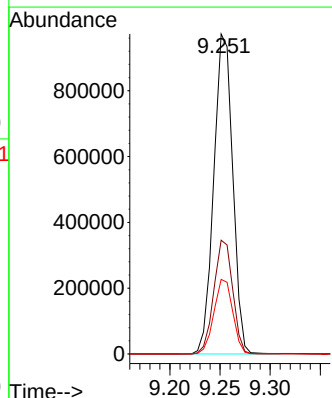
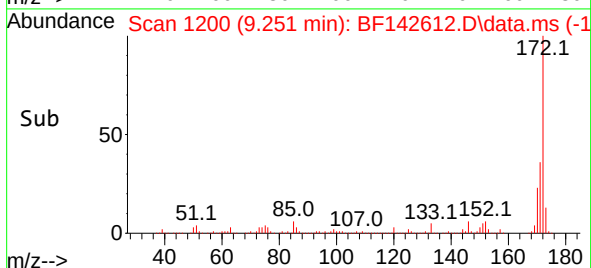
Tgt Ion:330 Resp: 290299
Ion Ratio Lower Upper
330 100
332 97.6 77.6 116.4
141 29.1 24.6 36.8

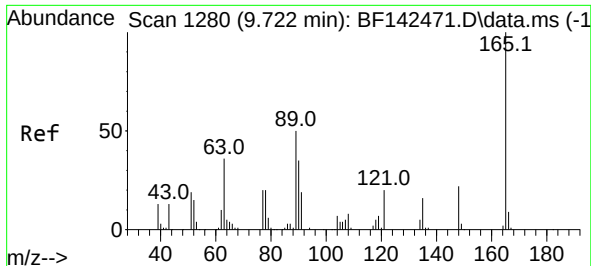


#45
2-Fluorobiphenyl
Concen: 74.873 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.018 min
Lab File: BF142612.D
Acq: 04 Jun 2025 17:48



Tgt Ion:172 Resp: 1279984
Ion Ratio Lower Upper
172 100
171 35.6 28.6 42.8
170 23.3 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 9.213 ng

RT: 9.933 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF142612.D

Acq: 04 Jun 2025 17:48

Instrument :

BNA_F

ClientSampleId :

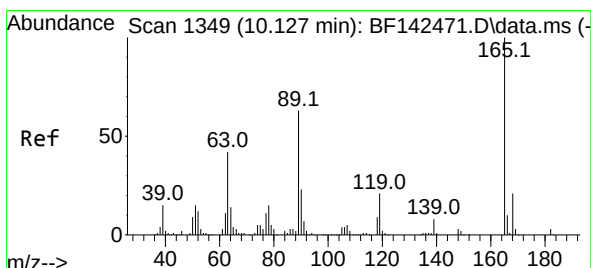
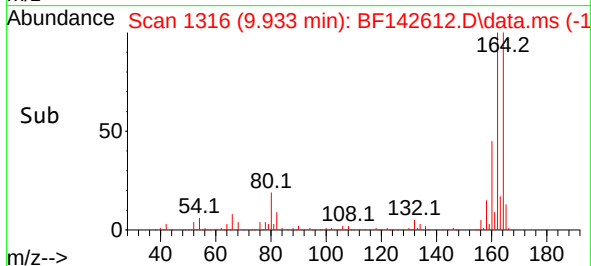
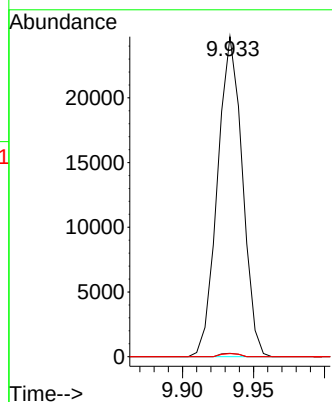
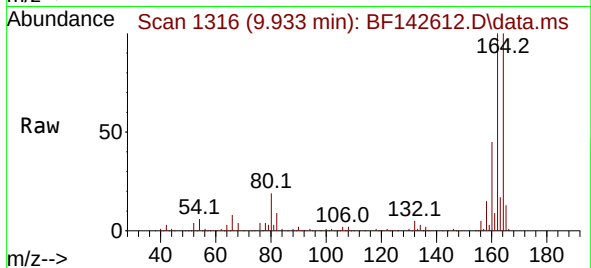
Tgt Ion:165 Resp: 30097

Ion Ratio Lower Upper

165 100

63 1.0 42.9 64.3#

89 1.0 40.2 60.4#



#57

2,4-Dinitrotoluene

Concen: 7.054 ng

RT: 9.933 min Scan# 1316

Delta R.T. -0.200 min

Lab File: BF142612.D

Acq: 04 Jun 2025 17:48

Tgt Ion:165 Resp: 30097

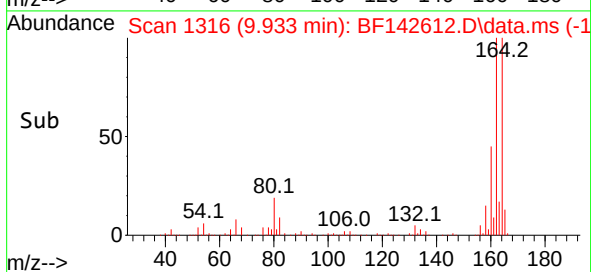
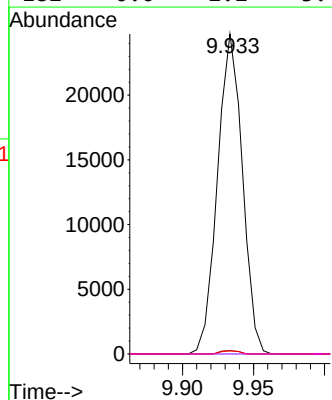
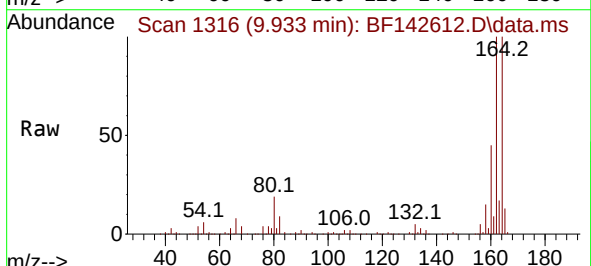
Ion Ratio Lower Upper

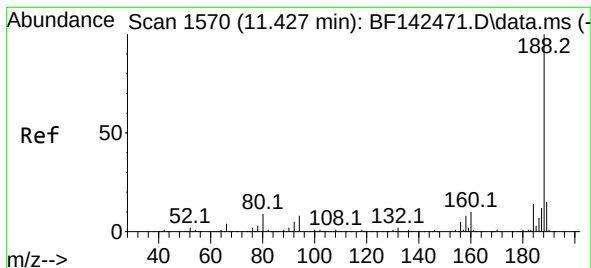
165 100

63 1.0 33.6 50.4#

89 1.0 50.2 75.4#

182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142612.D

Acq: 04 Jun 2025 17:48

Instrument :

BNA_F

ClientSampleId :

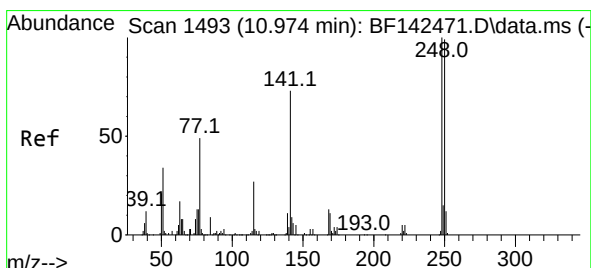
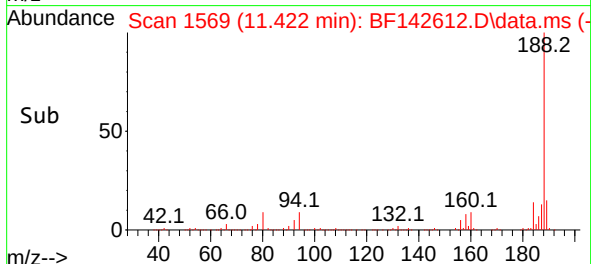
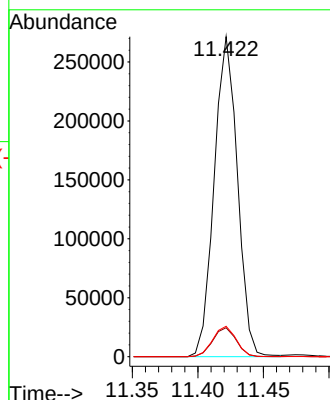
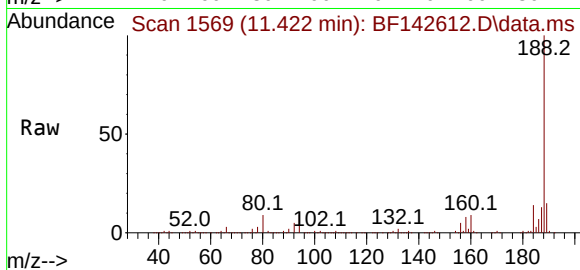
Tgt Ion:188 Resp: 334337

Ion Ratio Lower Upper

188 100

94 9.0 6.6 10.0

80 9.5 7.4 11.0



#67

4-Bromophenyl-phenylether

Concen: 4.715 ng

RT: 10.722 min Scan# 1450

Delta R.T. -0.253 min

Lab File: BF142612.D

Acq: 04 Jun 2025 17:48

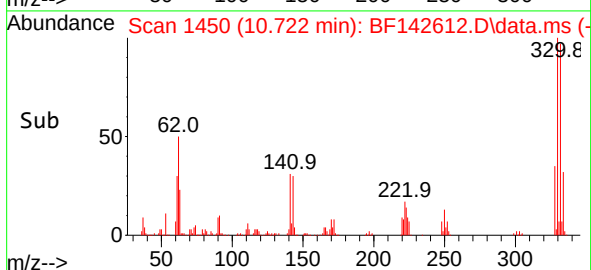
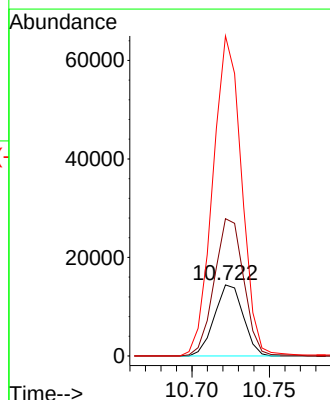
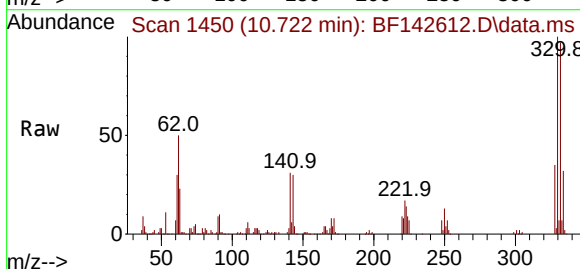
Tgt Ion:248 Resp: 18639

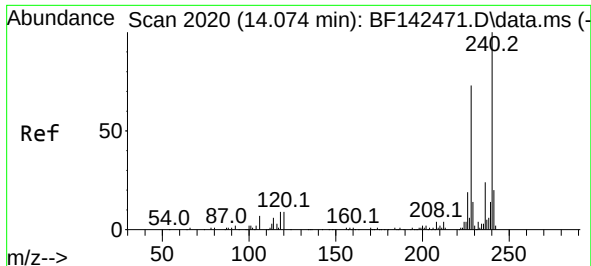
Ion Ratio Lower Upper

248 100

250 193.3 79.0 118.4#

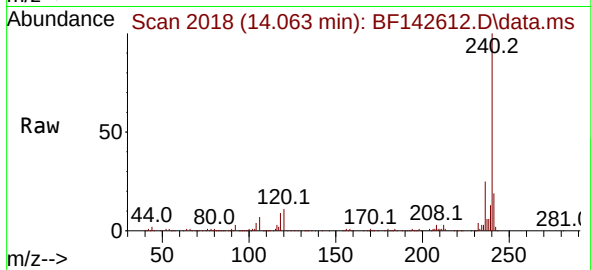
141 450.7 58.4 87.6#



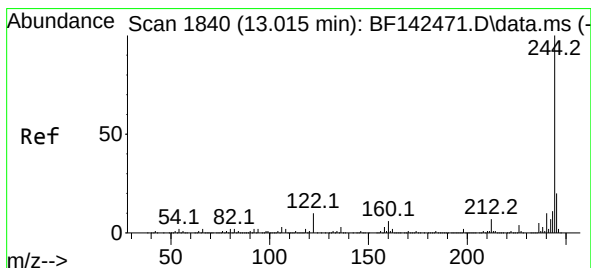
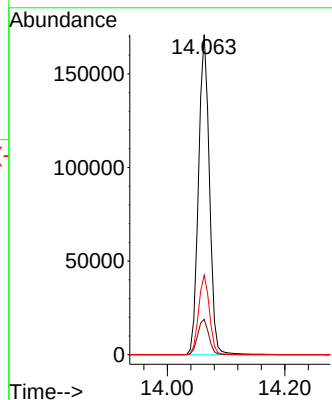
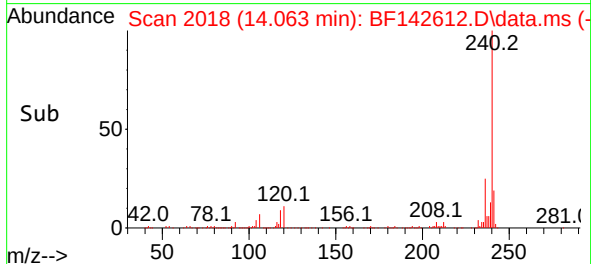


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF142612.D
Acq: 04 Jun 2025 17:48

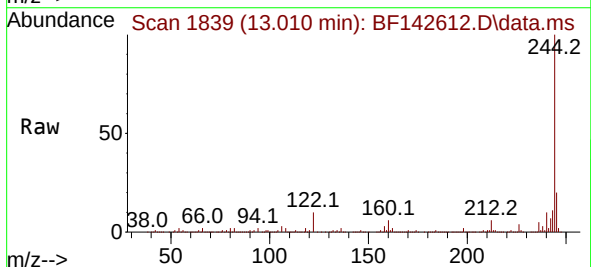
Instrument :
BNA_F
ClientSampleId :



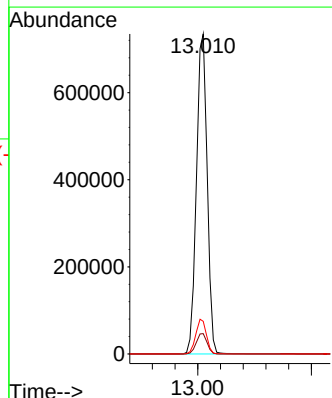
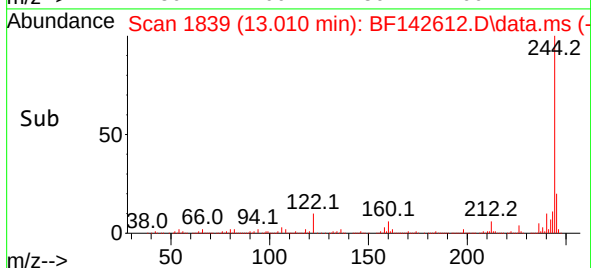
Tgt Ion:240 Resp: 219434
Ion Ratio Lower Upper
240 100
120 11.1 7.5 11.3
236 24.8 19.6 29.4

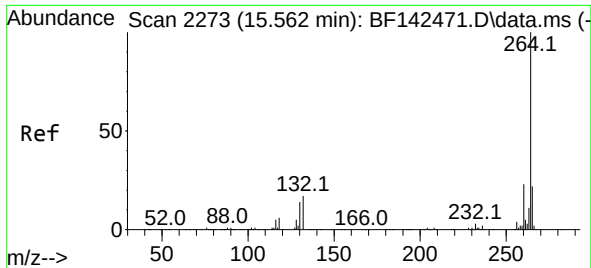


#79
Terphenyl-d14
Concen: 60.378 ng
RT: 13.010 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF142612.D
Acq: 04 Jun 2025 17:48



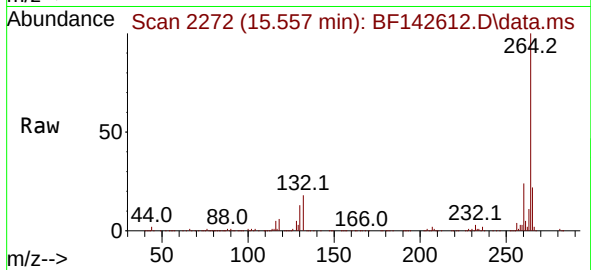
Tgt Ion:244 Resp: 969529
Ion Ratio Lower Upper
244 100
212 6.4 5.3 7.9
122 10.2 8.2 12.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.557 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF142612.D
 Acq: 04 Jun 2025 17:48

Instrument :
 BNA_F
 ClientSampleId :



Tgt Ion:264 Resp: 271463
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.6 28.0
 265 22.0 17.7 26.5

