

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
 Data File : BF142814.D
 Acq On : 24 Jun 2025 11:51
 Operator : RC/JU
 Sample : Q2388-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-12

Quant Time: Jun 24 12:30:17 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

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

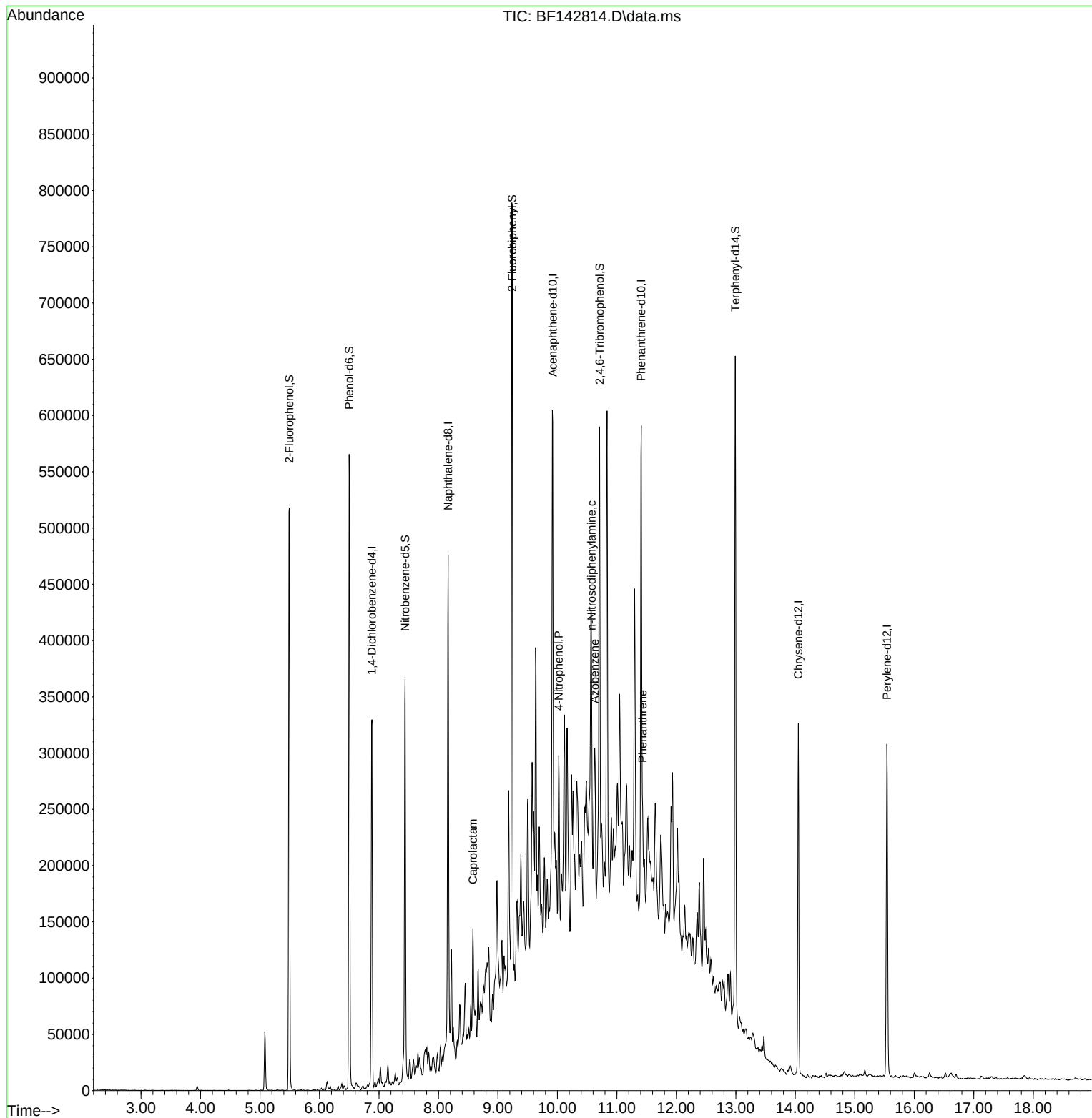
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	71295	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	269511	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	133685	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	216496	20.000	ng	0.00
76) Chrysene-d12	14.051	240	149799	20.000	ng	0.00
86) Perylene-d12	15.539	264	171656	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	205908	48.085	ng	0.00
7) Phenol-d6	6.498	99	254747	50.424	ng	-0.01
23) Nitrobenzene-d5	7.439	82	149158	30.357	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	69244	50.333	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	320711	31.515	ng	0.00
79) Terphenyl-d14	12.992	244	273564	25.233	ng	0.00
Target Compounds						
						Qvalue
35) Caprolactam	8.580	113	3957	3.941	ng	# 30
56) 4-Nitrophenol	10.022	139	4339	3.029	ng	# 64
63) Azobenzene	10.627	77	19609	2.586	ng	# 1
66) n-Nitrosodiphenylamine	10.574	169	33661	4.486	ng	# 50
71) Phenanthrene	11.433	178	47073	4.014	ng	# 94

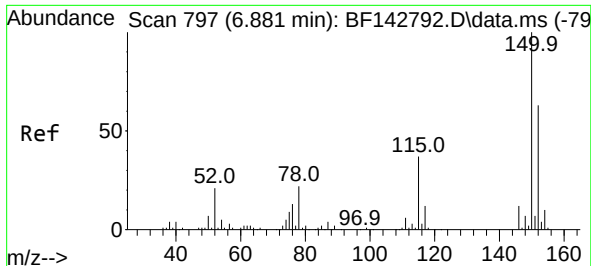
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

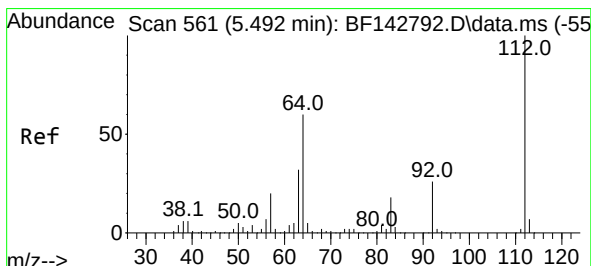
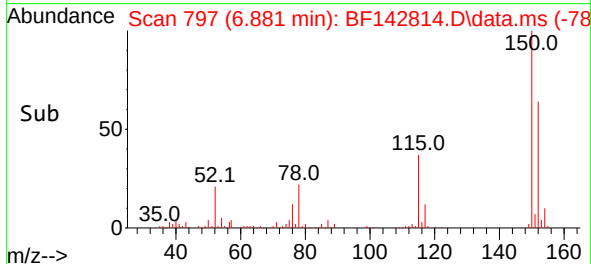
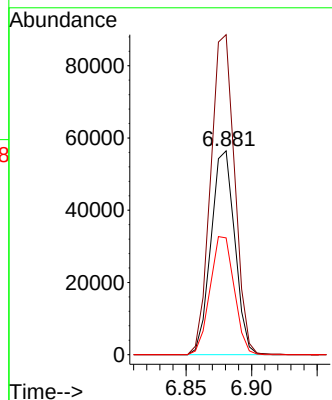
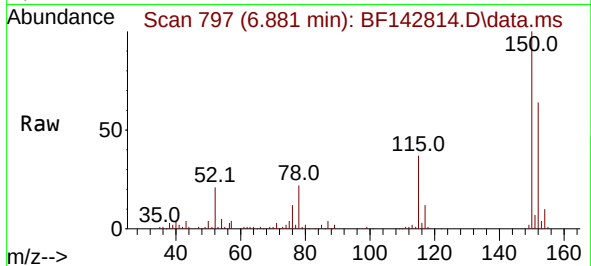




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.000 min
Lab File: BF142814.D
Acq: 24 Jun 2025 11:51

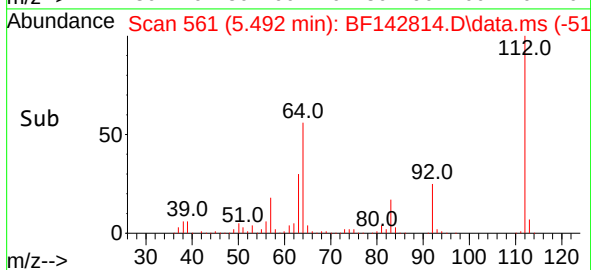
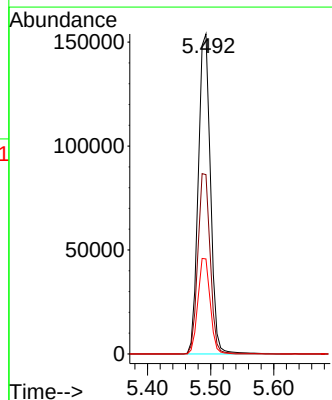
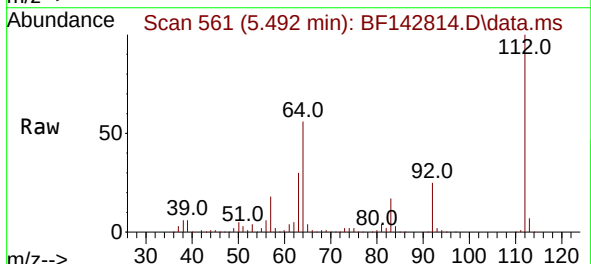
Instrument :
BNA_F
ClientSampleId :
TP-12

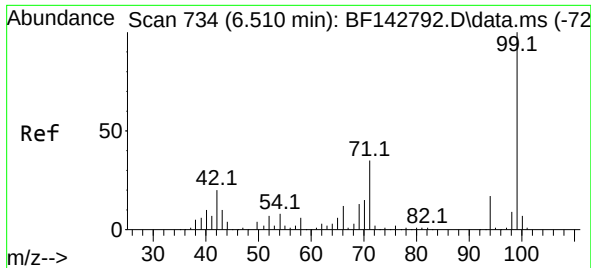
Tgt Ion:152 Resp: 71295
Ion Ratio Lower Upper
152 100
150 157.0 127.2 190.8
115 57.3 46.6 69.8



#5
2-Fluorophenol
Concen: 48.085 ng
RT: 5.492 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF142814.D
Acq: 24 Jun 2025 11:51

Tgt Ion:112 Resp: 205908
Ion Ratio Lower Upper
112 100
64 56.1 48.2 72.2
63 29.7 25.7 38.5

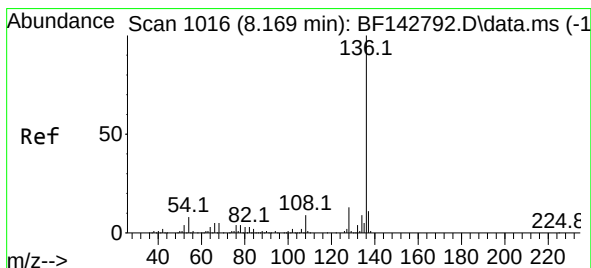
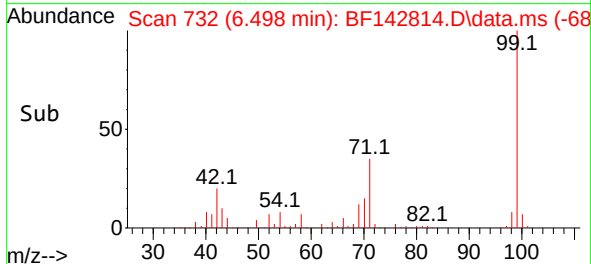
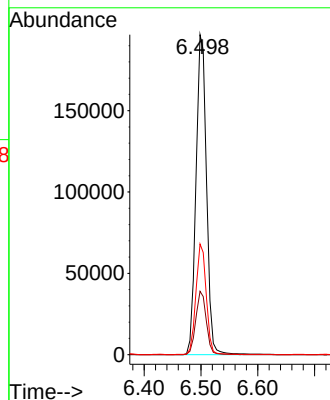
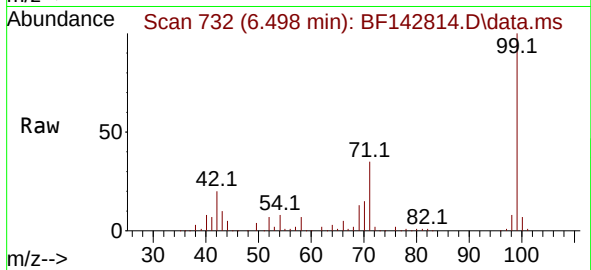




#7
Phenol-d6
Concen: 50.424 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142814.D
Acq: 24 Jun 2025 11:51

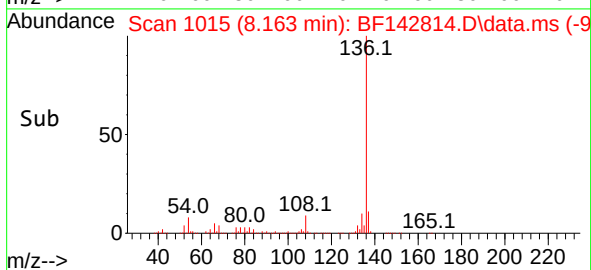
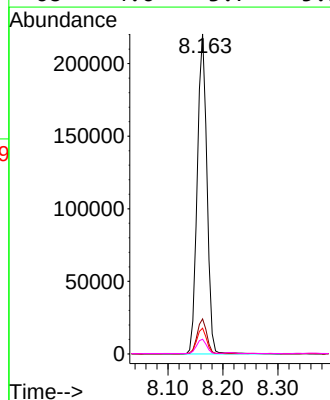
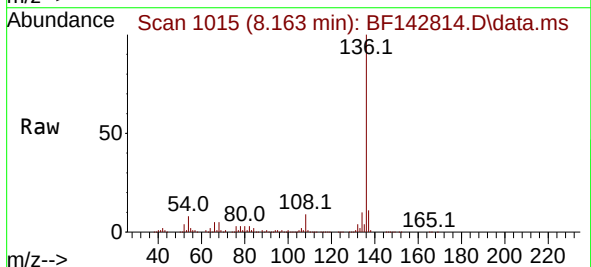
Instrument :
BNA_F
ClientSampleId :
TP-12

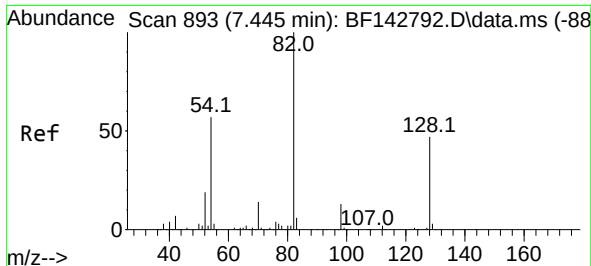
Tgt Ion: 99 Resp: 254747
Ion Ratio Lower Upper
99 100
42 19.8 15.9 23.9
71 34.6 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF142814.D
Acq: 24 Jun 2025 11:51

Tgt Ion: 136 Resp: 269511
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 8.0 6.3 9.5
68 4.6 3.7 5.5

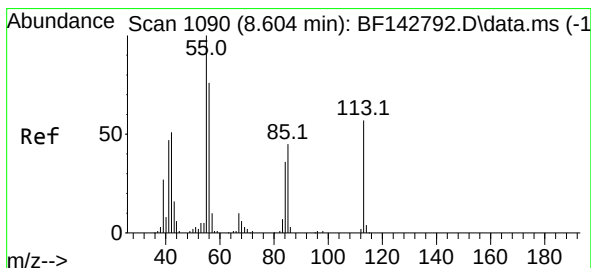
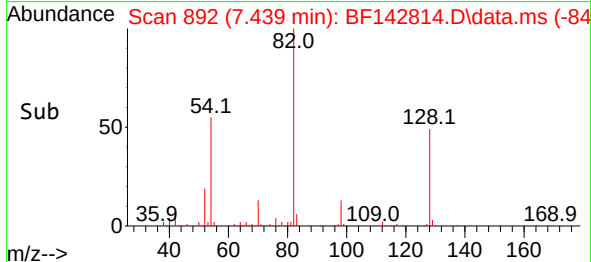
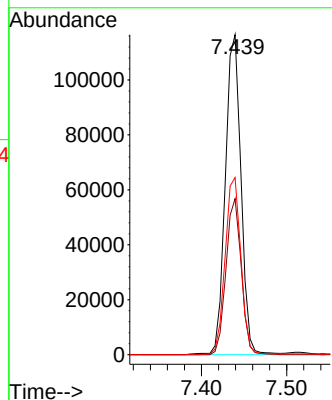
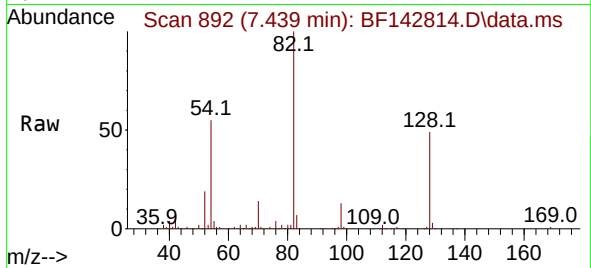




#23
Nitrobenzene-d5
Concen: 30.357 ng
RT: 7.439 min Scan# 89
Delta R.T. -0.006 min
Lab File: BF142814.D
Acq: 24 Jun 2025 11:51

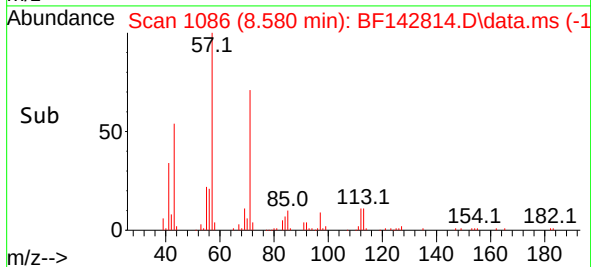
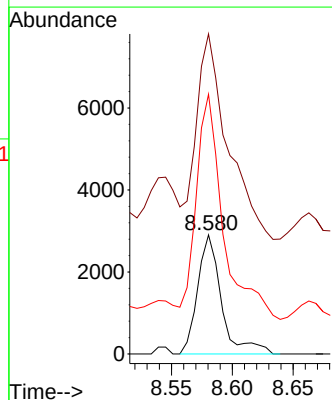
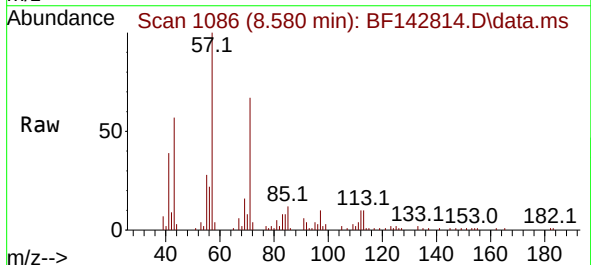
Instrument :
BNA_F
ClientSampleId :
TP-12

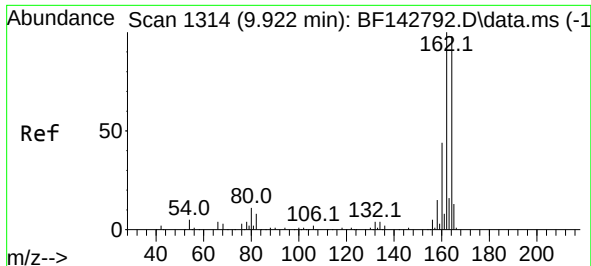
Tgt Ion: 82 Resp: 149158
Ion Ratio Lower Upper
82 100
128 48.8 37.7 56.5
54 55.4 45.7 68.5



#35
Caprolactam
Concen: 3.941 ng
RT: 8.580 min Scan# 1086
Delta R.T. -0.024 min
Lab File: BF142814.D
Acq: 24 Jun 2025 11:51

Tgt Ion: 113 Resp: 3957
Ion Ratio Lower Upper
113 100
55 268.8 154.4 194.4#
56 218.1 112.1 152.1#

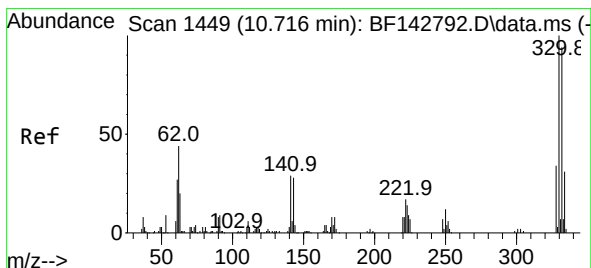
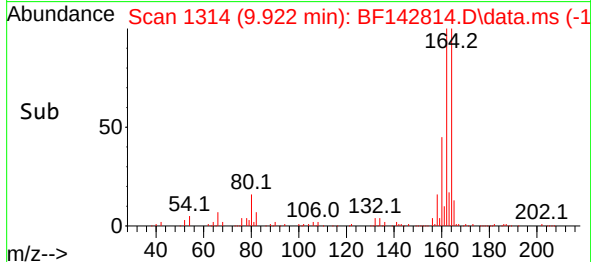
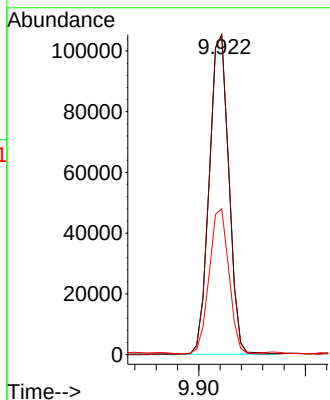
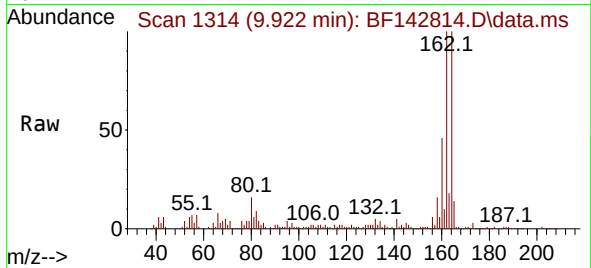




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.000 min
Lab File: BF142814.D
Acq: 24 Jun 2025 11:51

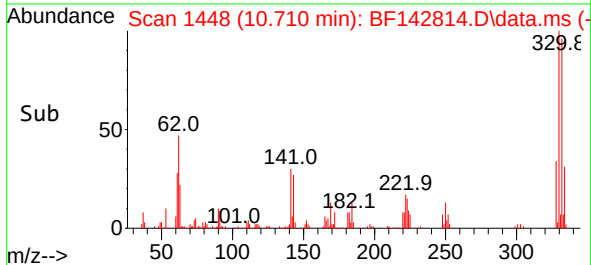
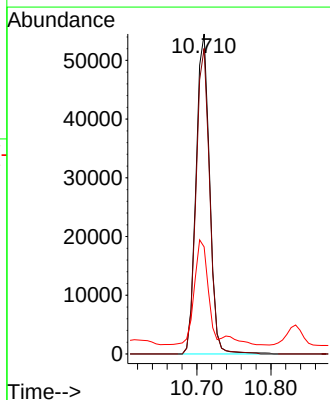
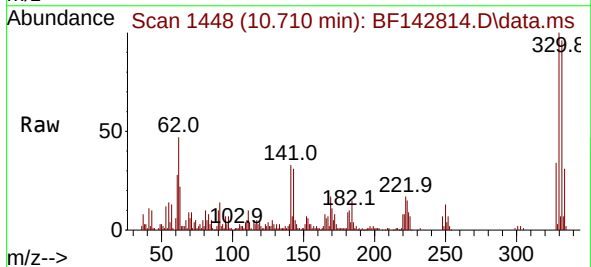
Instrument :
BNA_F
ClientSampleId :
TP-12

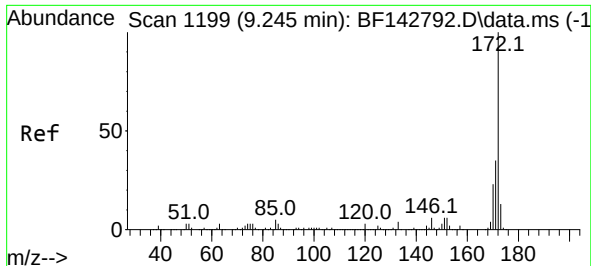
Tgt Ion:164 Resp: 133685
Ion Ratio Lower Upper
164 100
162 100.1 81.8 122.8
160 45.6 36.0 54.0



#42
2,4,6-Tribromophenol
Concen: 50.333 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF142814.D
Acq: 24 Jun 2025 11:51

Tgt Ion:330 Resp: 69244
Ion Ratio Lower Upper
330 100
332 95.4 75.0 112.6
141 33.3 25.3 37.9





#45

2-Fluorobiphenyl

Concen: 31.515 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF142814.D

Acq: 24 Jun 2025 11:51

Instrument :

BNA_F

ClientSampleId :

TP-12

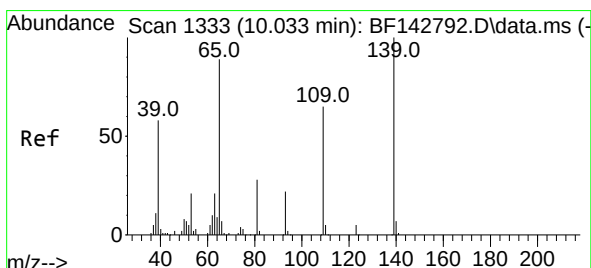
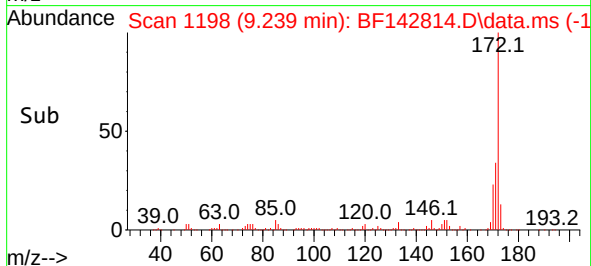
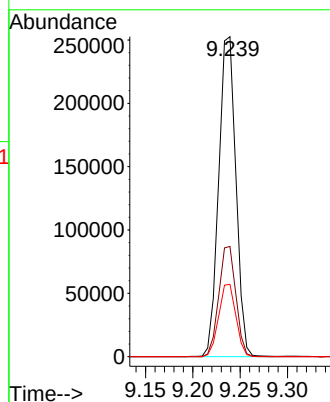
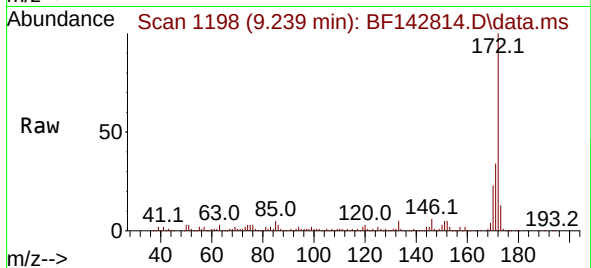
Tgt Ion:172 Resp: 320711

Ion Ratio Lower Upper

172 100

171 34.5 28.2 42.4

170 22.6 18.5 27.7



#56

4-Nitrophenol

Concen: 3.029 ng

RT: 10.022 min Scan# 1331

Delta R.T. -0.012 min

Lab File: BF142814.D

Acq: 24 Jun 2025 11:51

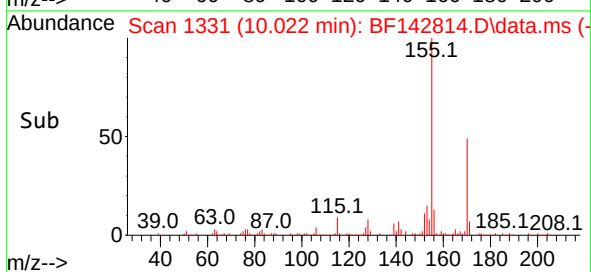
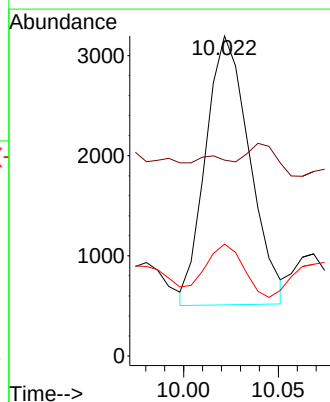
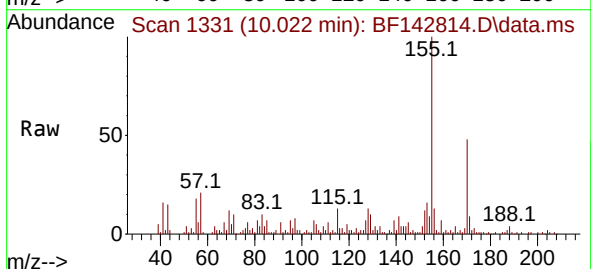
Tgt Ion:139 Resp: 4339

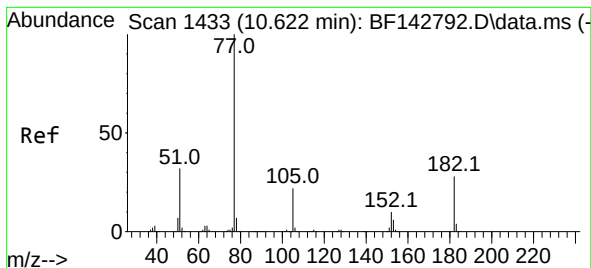
Ion Ratio Lower Upper

139 100

109 61.2 44.7 84.7

65 34.9 69.8 109.8#





#63

Azobenzene

Concen: 2.586 ng

RT: 10.627 min Scan# 1433

Delta R.T. 0.006 min

Lab File: BF142814.D

Acq: 24 Jun 2025 11:51

Instrument :

BNA_F

ClientSampleId :

TP-12

Tgt Ion: 77 Resp: 19609

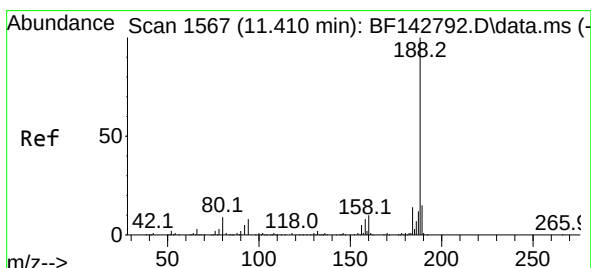
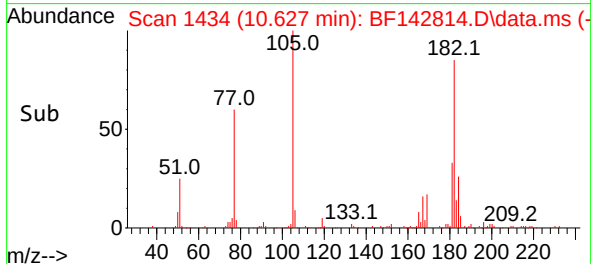
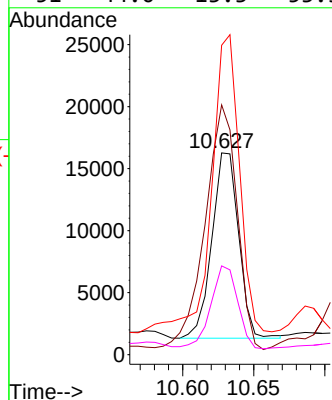
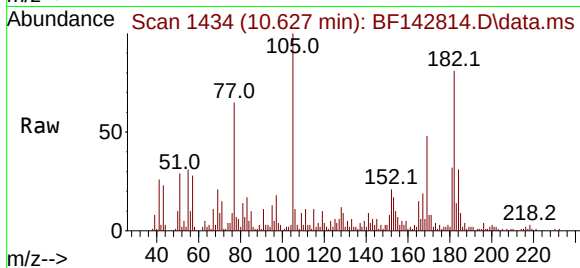
Ion Ratio Lower Upper

77 100

182 123.8 7.7 47.7#

105 153.4 1.9 41.9#

51 44.0 13.3 53.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1567

Delta R.T. -0.000 min

Lab File: BF142814.D

Acq: 24 Jun 2025 11:51

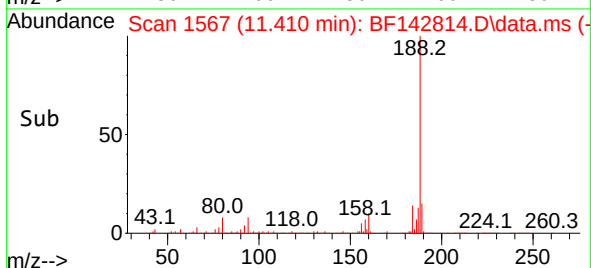
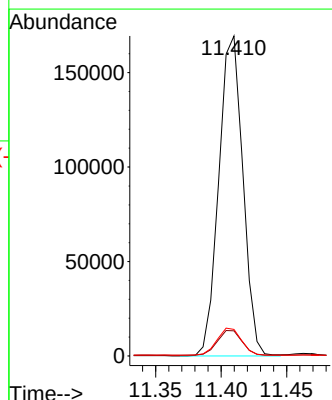
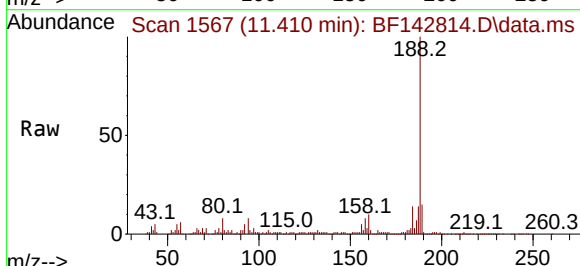
Tgt Ion: 188 Resp: 216496

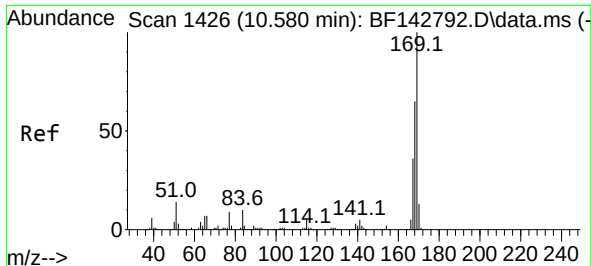
Ion Ratio Lower Upper

188 100

94 7.8 6.7 10.1

80 8.3 6.9 10.3

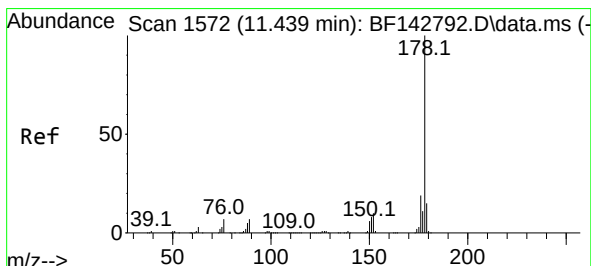
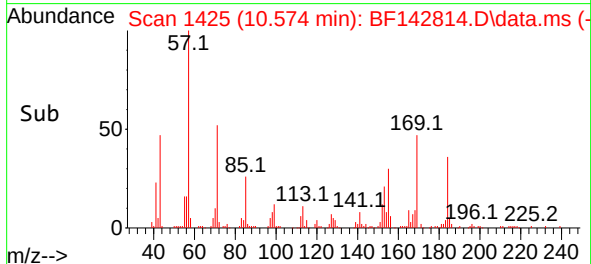
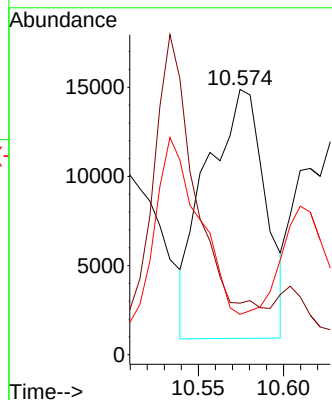
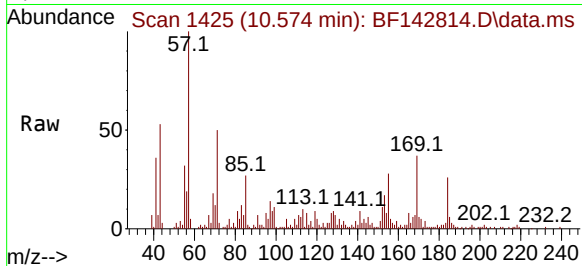




#66
n-Nitrosodiphenylamine
Concen: 4.486 ng
RT: 10.574 min Scan# 1426
Delta R.T. -0.006 min
Lab File: BF142814.D
Acq: 24 Jun 2025 11:51

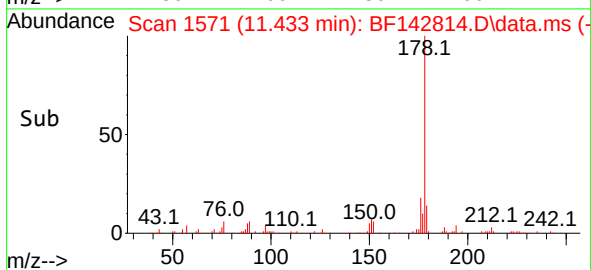
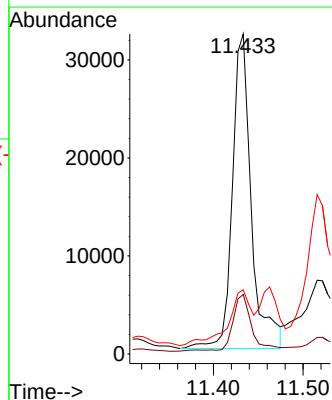
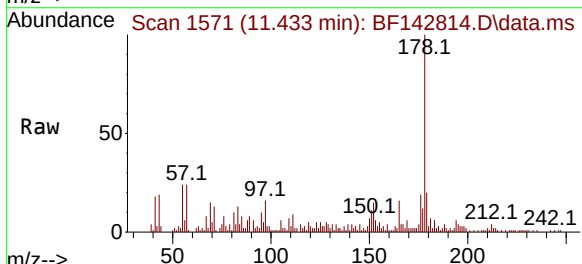
Instrument :
BNA_F
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TP-12

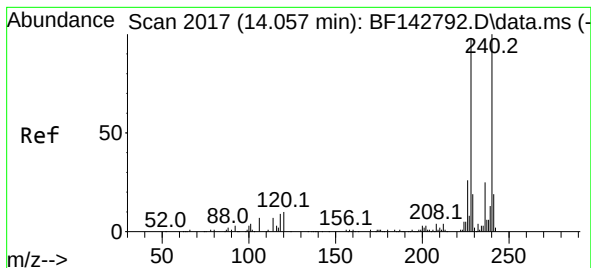
Tgt Ion:169 Resp: 33661
Ion Ratio Lower Upper
169 100
168 19.4 51.9 77.9#
167 15.2 28.5 42.7#



#71
Phenanthrene
Concen: 4.014 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF142814.D
Acq: 24 Jun 2025 11:51

Tgt Ion:178 Resp: 47073
Ion Ratio Lower Upper
178 100
176 18.6 15.1 22.7
179 20.1 12.0 18.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142814.D

Acq: 24 Jun 2025 11:51

Instrument :

BNA_F

ClientSampleId :

TP-12

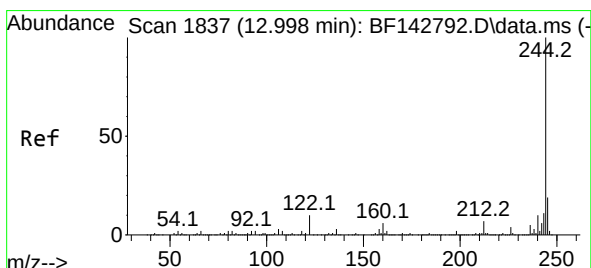
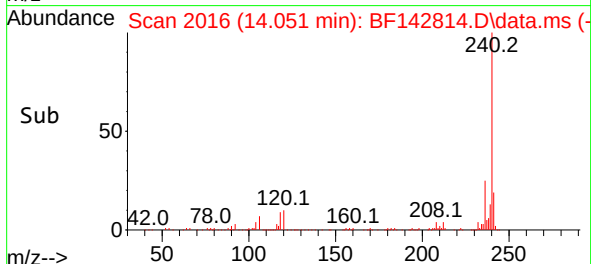
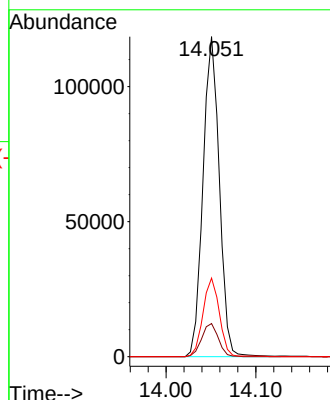
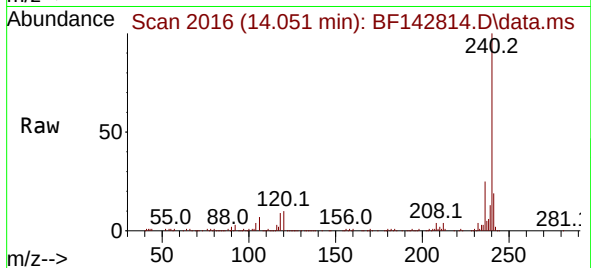
Tgt Ion:240 Resp: 149799

Ion Ratio Lower Upper

240 100

120 10.3 8.2 12.2

236 24.6 19.8 29.8



#79

Terphenyl-d14

Concen: 25.233 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF142814.D

Acq: 24 Jun 2025 11:51

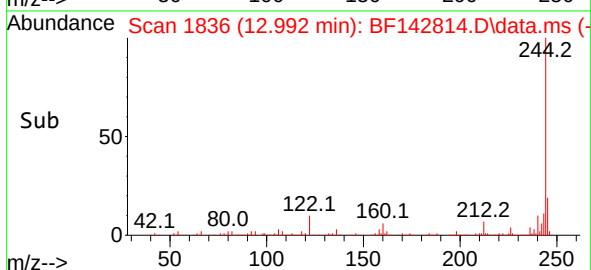
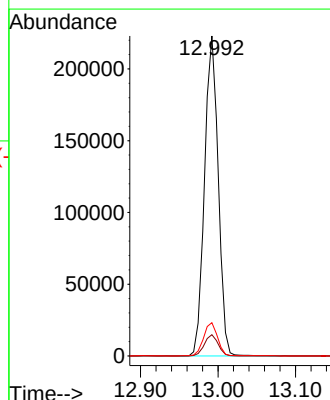
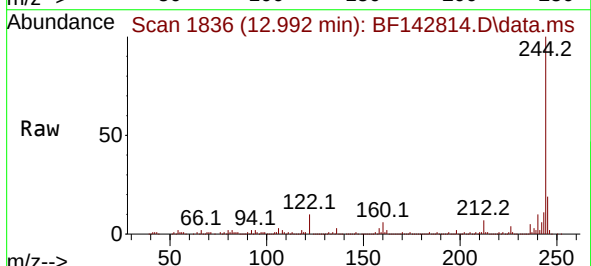
Tgt Ion:244 Resp: 273564

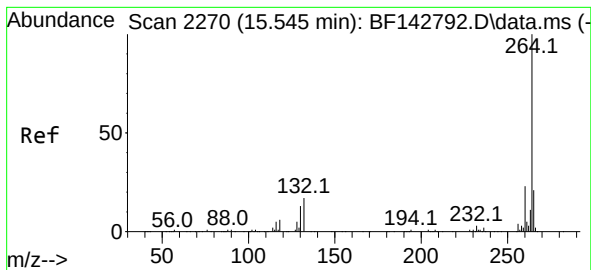
Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

122 10.4 8.2 12.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142814.D

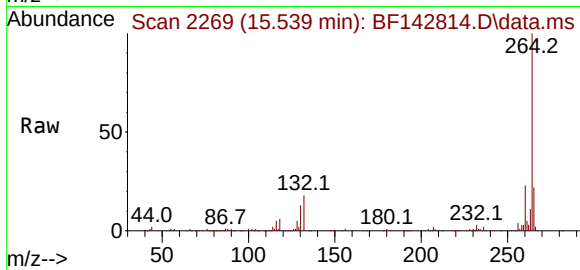
Acq: 24 Jun 2025 11:51

Instrument :

BNA_F

ClientSampleId :

TP-12



Tgt Ion:264 Resp: 171656

Ion Ratio Lower Upper

264 100

260 23.3 18.1 27.1

265 21.6 16.6 25.0

