

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061225\
 Data File : BF142749.D
 Acq On : 12 Jun 2025 10:56
 Operator : RC/JU
 Sample : PB168376BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168376BL

Quant Time: Jun 12 11:53:43 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 05:56:09 2025
 Response via : Initial Calibration

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

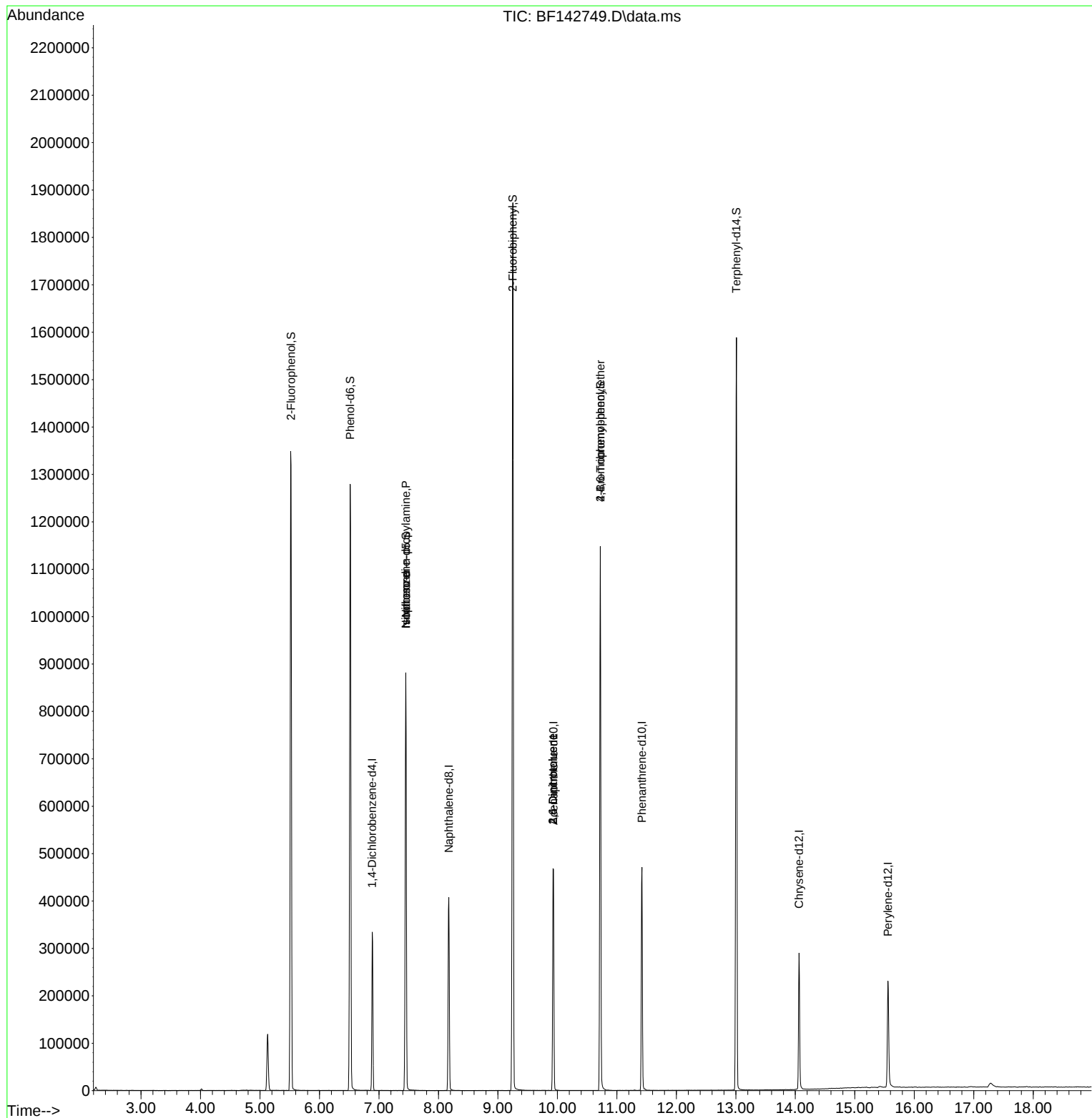
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	74630	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	283653	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	155383	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	260750	20.000	ng	0.00
76) Chrysene-d12	14.063	240	151515	20.000	ng	0.00
86) Perylene-d12	15.557	264	154400	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	547296	124.899	ng	0.02
7) Phenol-d6	6.516	99	640586	124.220	ng	0.00
23) Nitrobenzene-d5	7.451	82	406887	78.504	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	204197	119.906	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	899739	76.930	ng	0.00
79) Terphenyl-d14	13.010	244	803592	72.843	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.451	70	55856	17.014	ng	Qvalue # 75
25) Isophorone	7.451	82	402478	45.863	ng	# 63
51) 2,6-Dinitrotoluene	9.928	165	19901	8.874	ng	# 30
57) 2,4-Dinitrotoluene	9.928	165	19901	6.712	ng	# 28
67) 4-Bromophenyl-phenylether	10.722	248	13186	4.284	ng	# 1

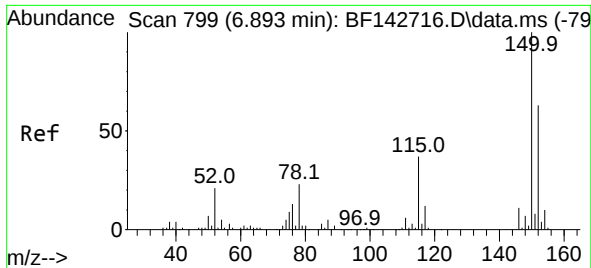
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061225\
Data File : BF142749.D
Acq On : 12 Jun 2025 10:56
Operator : RC/JU
Sample : PB168376BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168376BL

Quant Time: Jun 12 11:53:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration

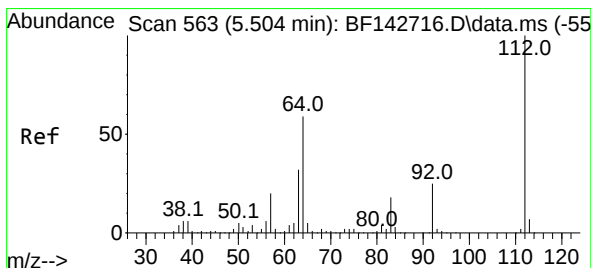
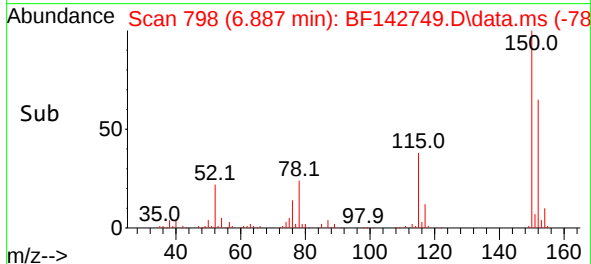
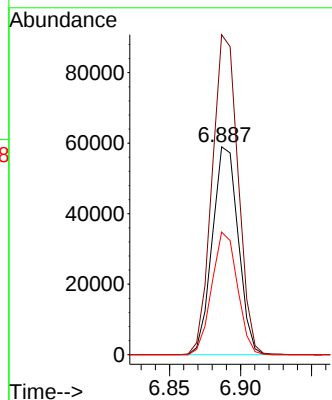
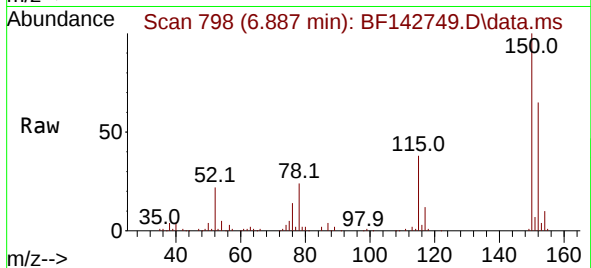




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 799
Delta R.T. -0.006 min
Lab File: BF142749.D
Acq: 12 Jun 2025 10:56

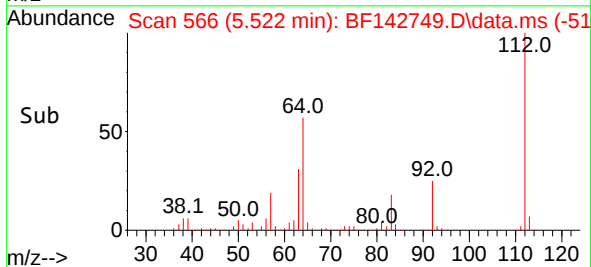
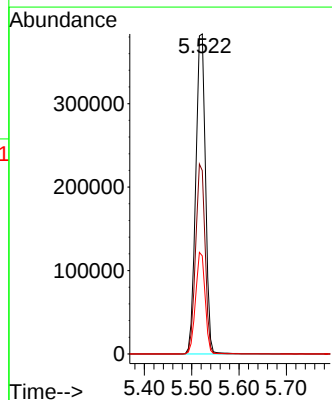
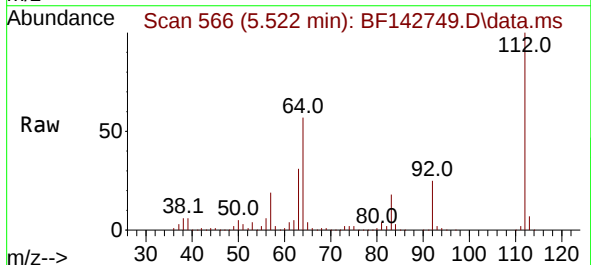
Instrument :
BNA_F
ClientSampleId :
PB168376BL

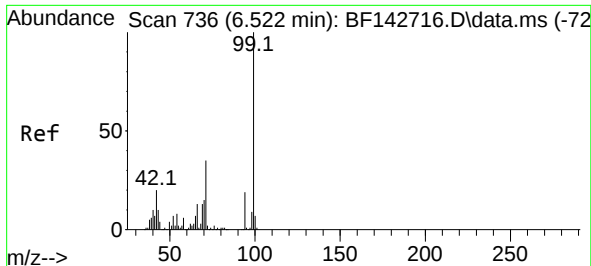
Tgt Ion:152 Resp: 74630
Ion Ratio Lower Upper
152 100
150 153.9 126.9 190.3
115 58.9 47.0 70.6



#5
2-Fluorophenol
Concen: 124.899 ng
RT: 5.522 min Scan# 566
Delta R.T. 0.018 min
Lab File: BF142749.D
Acq: 12 Jun 2025 10:56

Tgt Ion:112 Resp: 547296
Ion Ratio Lower Upper
112 100
64 57.3 47.4 71.2
63 30.6 25.4 38.0

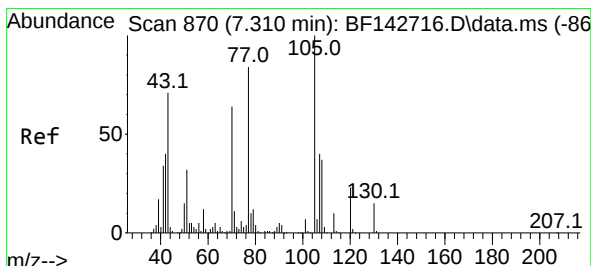
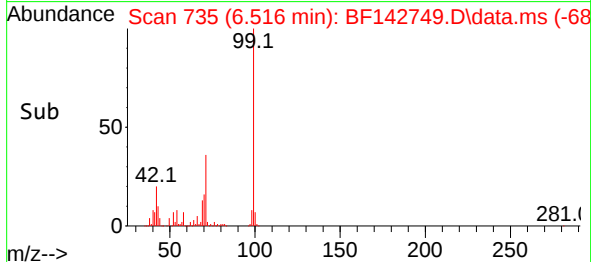
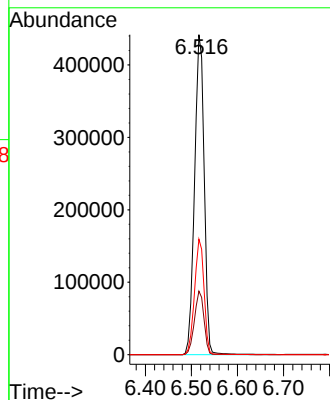
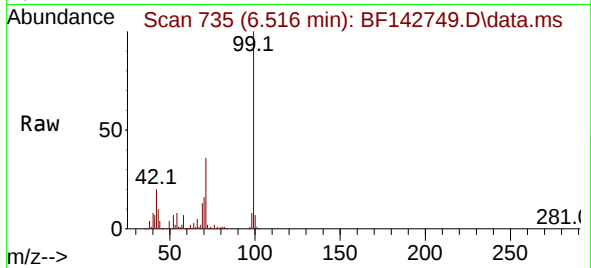




#7
Phenol-d6
Concen: 124.220 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142749.D
Acq: 12 Jun 2025 10:56

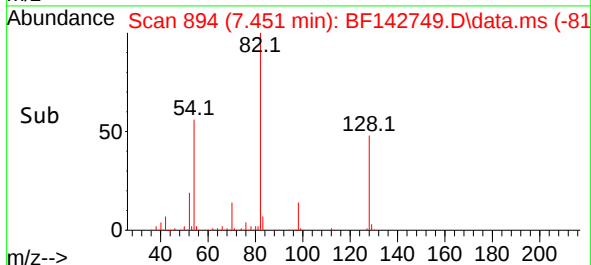
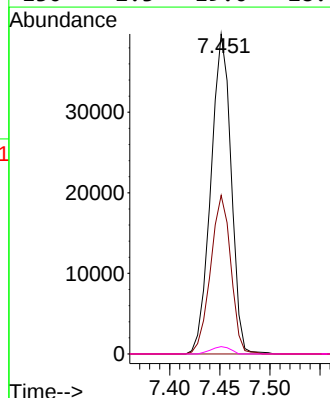
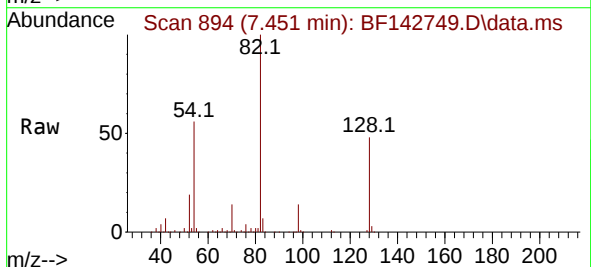
Instrument :
BNA_F
ClientSampleId :
PB168376BL

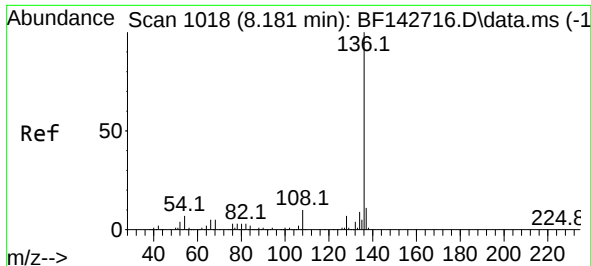
Tgt Ion: 99 Resp: 640586
Ion Ratio Lower Upper
99 100
42 19.9 15.9 23.9
71 36.1 28.0 42.0



#19
n-Nitroso-di-n-propylamine
Concen: 17.014 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.141 min
Lab File: BF142749.D
Acq: 12 Jun 2025 10:56

Tgt Ion: 70 Resp: 55856
Ion Ratio Lower Upper
70 100
42 49.6 50.2 75.4#
101 0.0 8.3 12.5#
130 2.3 19.0 28.6#

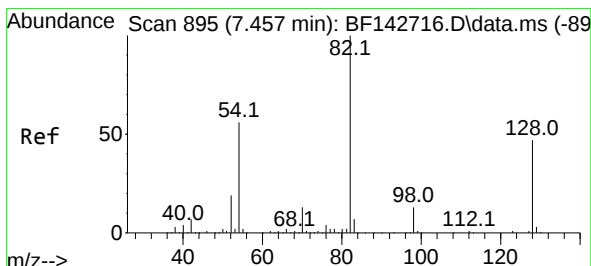
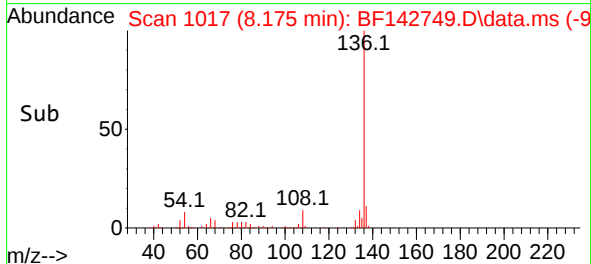
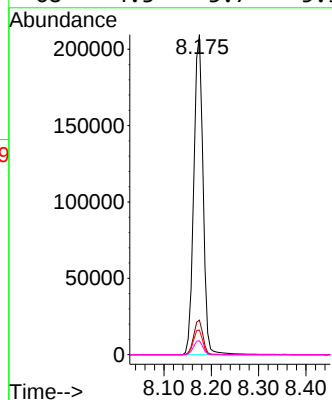
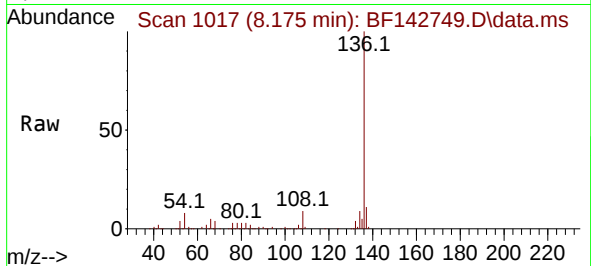




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF142749.D
Acq: 12 Jun 2025 10:56

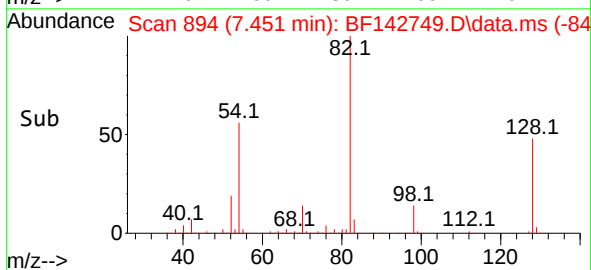
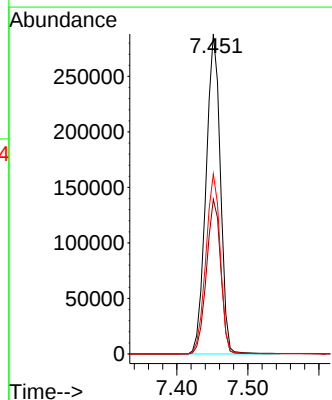
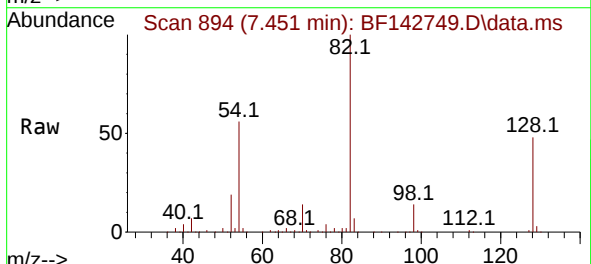
Instrument :
BNA_F
ClientSampleId :
PB168376BL

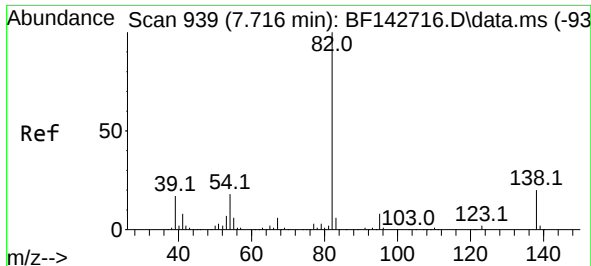
Tgt Ion:136 Resp: 283653
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 7.7 5.9 8.9
68 4.3 3.7 5.5



#23
Nitrobenzene-d5
Concen: 78.504 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF142749.D
Acq: 12 Jun 2025 10:56

Tgt Ion: 82 Resp: 406887
Ion Ratio Lower Upper
82 100
128 48.3 37.8 56.8
54 56.2 44.9 67.3

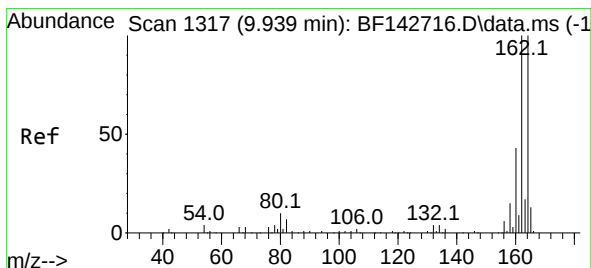
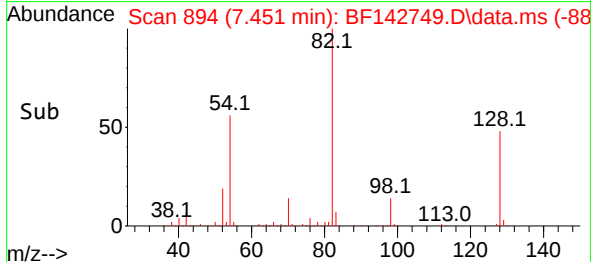
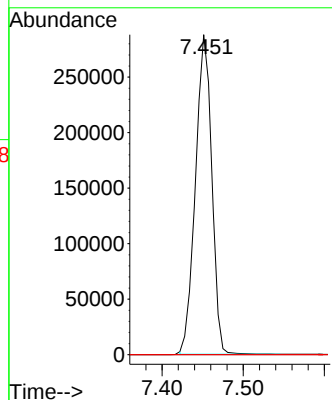
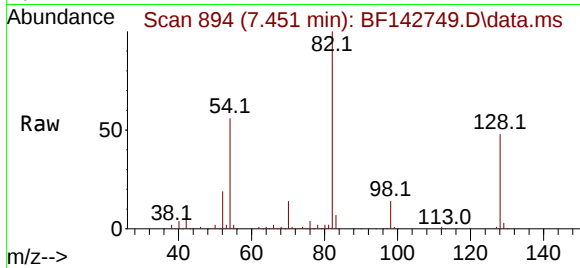




#25
Isophorone
Concen: 45.863 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.265 min
Lab File: BF142749.D
Acq: 12 Jun 2025 10:56

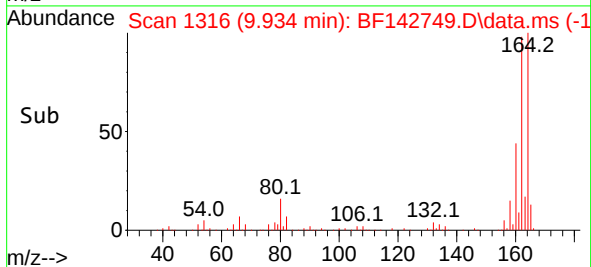
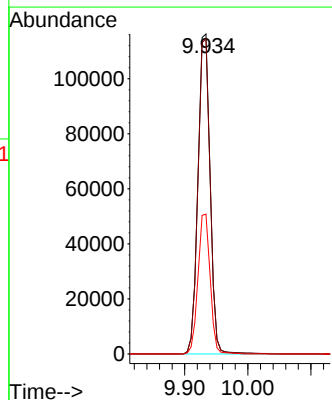
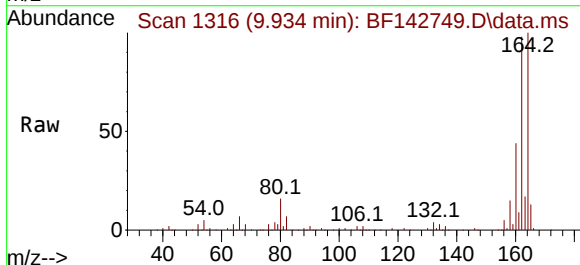
Instrument :
BNA_F
ClientSampleId :
PB168376BL

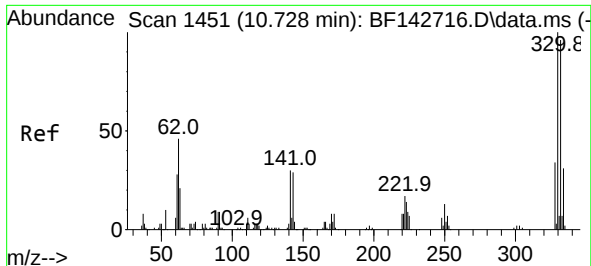
Tgt Ion: 82 Resp: 402478
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.8 23.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF142749.D
Acq: 12 Jun 2025 10:56

Tgt Ion:164 Resp: 155383
Ion Ratio Lower Upper
164 100
162 98.4 79.9 119.9
160 43.7 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 119.906 ng

RT: 10.722 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF142749.D

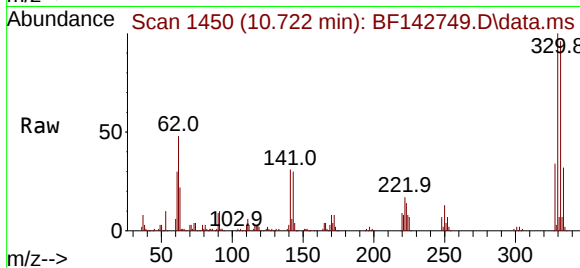
Acq: 12 Jun 2025 10:56

Instrument :

BNA_F

ClientSampleId :

PB168376BL



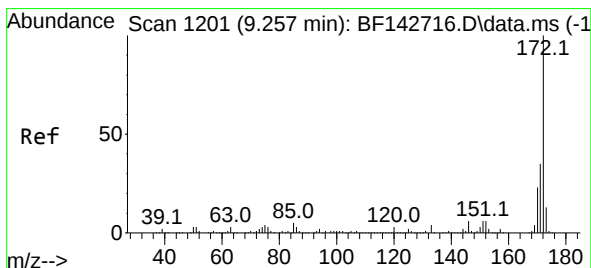
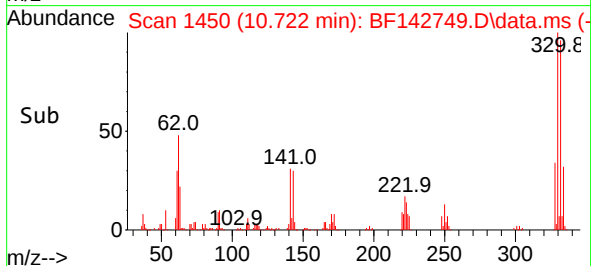
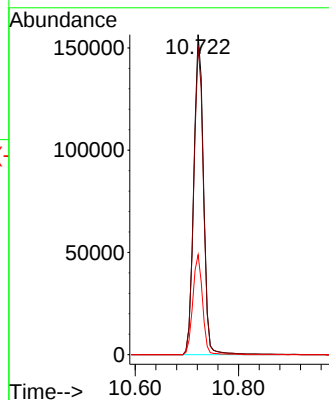
Tgt Ion:330 Resp: 204197

Ion Ratio Lower Upper

330 100

332 96.1 77.0 115.6

141 31.1 25.4 38.0



#45

2-Fluorobiphenyl

Concen: 76.930 ng

RT: 9.251 min Scan# 1200

Delta R.T. -0.006 min

Lab File: BF142749.D

Acq: 12 Jun 2025 10:56

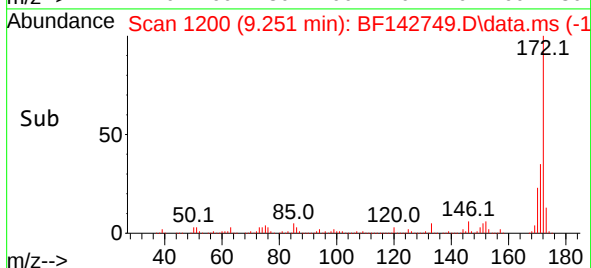
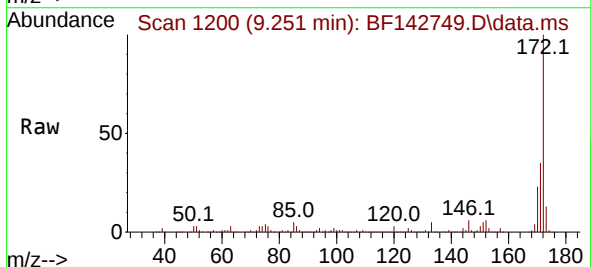
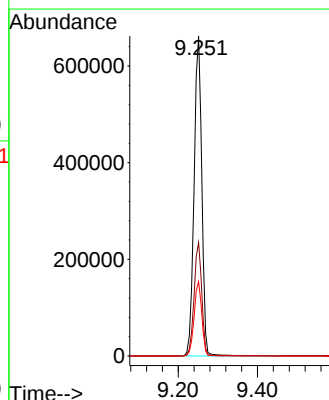
Tgt Ion:172 Resp: 899739

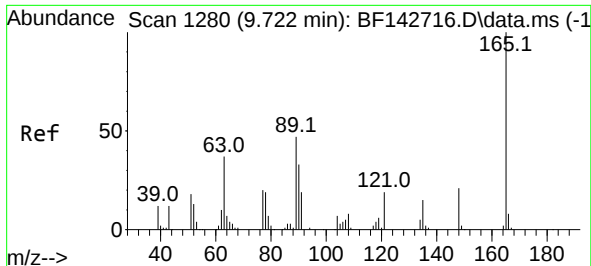
Ion Ratio Lower Upper

172 100

171 35.4 28.1 42.1

170 23.2 18.6 27.8





#51

2,6-Dinitrotoluene

Concen: 8.874 ng

RT: 9.928 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF142749.D

Acq: 12 Jun 2025 10:56

Instrument :

BNA_F

ClientSampleId :

PB168376BL

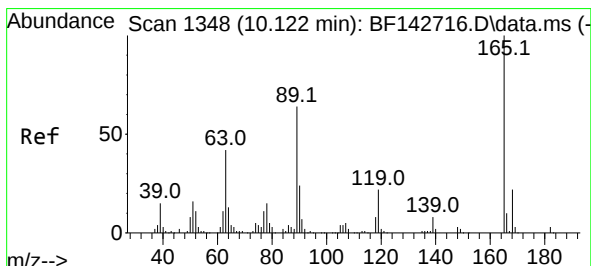
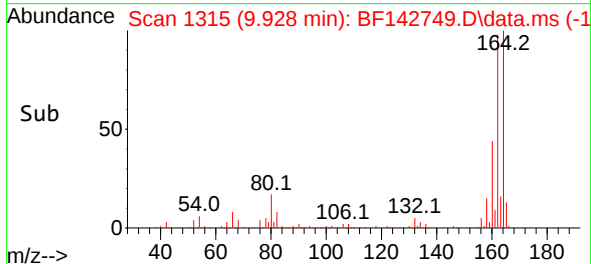
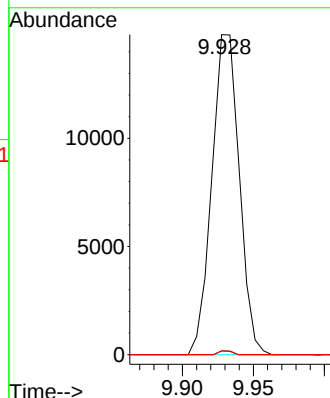
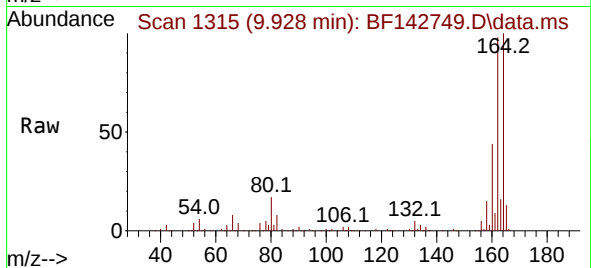
Tgt Ion:165 Resp: 19901

Ion Ratio Lower Upper

165 100

63 1.2 40.6 60.8#

89 1.2 37.6 56.4#



#57

2,4-Dinitrotoluene

Concen: 6.712 ng

RT: 9.928 min Scan# 1315

Delta R.T. -0.194 min

Lab File: BF142749.D

Acq: 12 Jun 2025 10:56

Tgt Ion:165 Resp: 19901

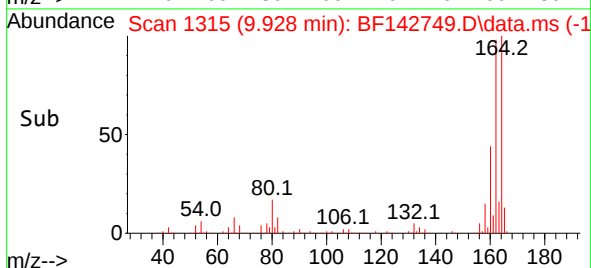
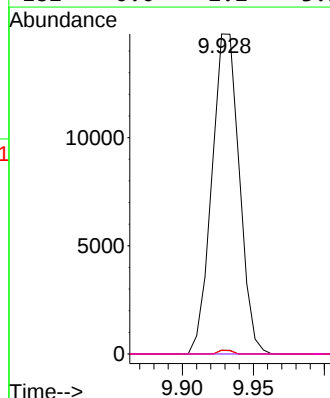
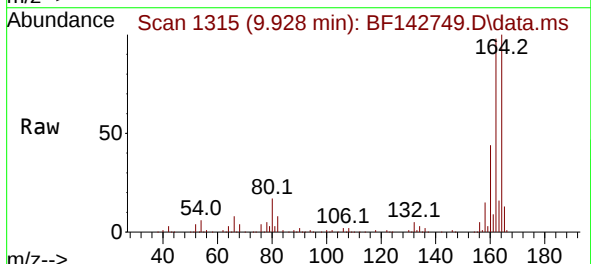
Ion Ratio Lower Upper

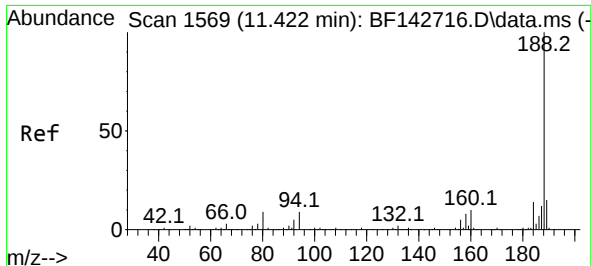
165 100

63 1.2 34.1 51.1#

89 1.2 50.8 76.2#

182 0.0 2.2 3.2#

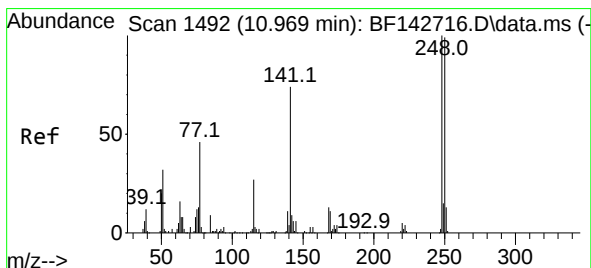
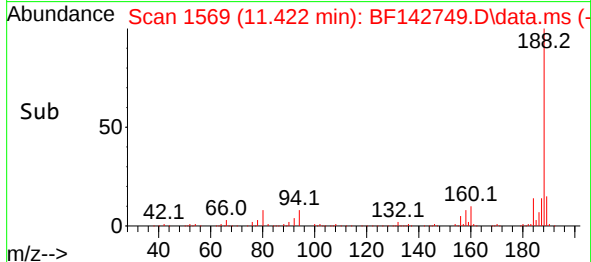
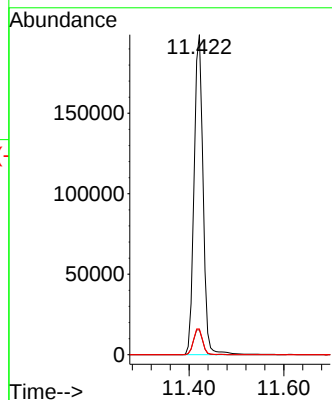
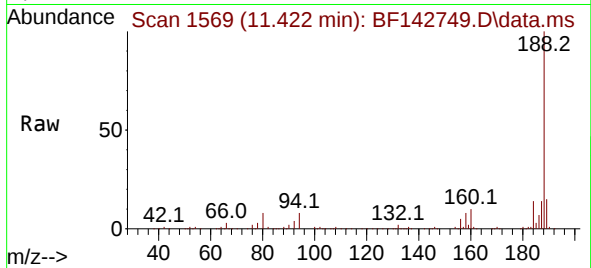




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142749.D
Acq: 12 Jun 2025 10:56

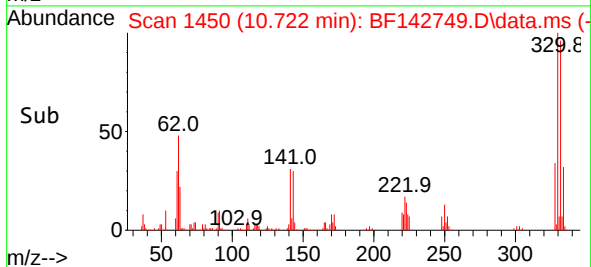
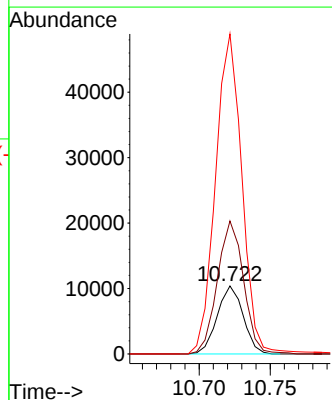
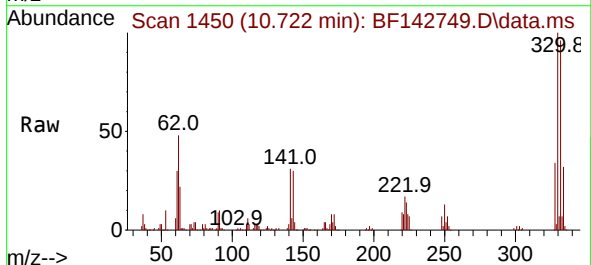
Instrument :
BNA_F
ClientSampleId :
PB168376BL

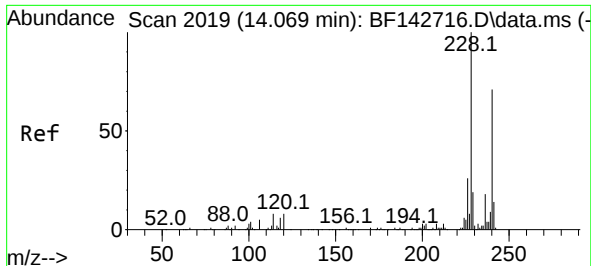
Tgt Ion:188 Resp: 260750
Ion Ratio Lower Upper
188 100
94 7.8 6.8 10.2
80 8.1 7.1 10.7



#67
4-Bromophenyl-phenylether
Concen: 4.284 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.247 min
Lab File: BF142749.D
Acq: 12 Jun 2025 10:56

Tgt Ion:248 Resp: 13186
Ion Ratio Lower Upper
248 100
250 195.4 79.2 118.8#
141 470.2 59.3 88.9#

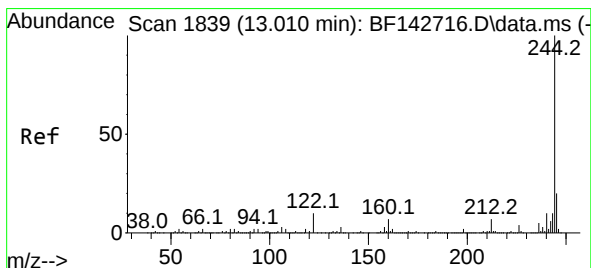
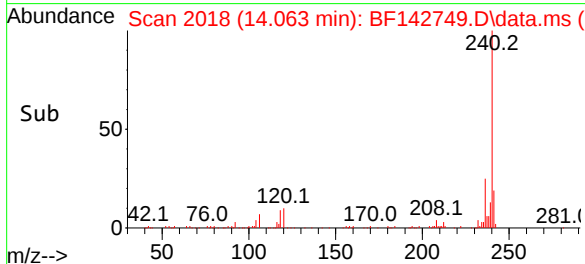
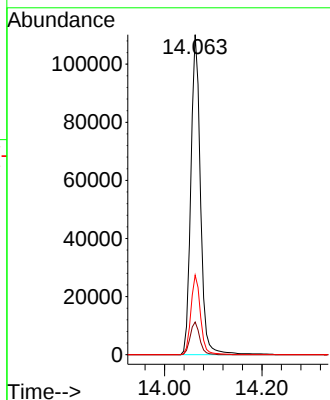
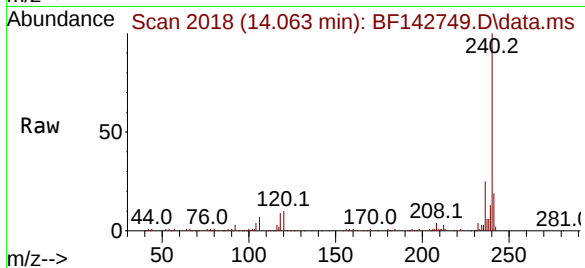




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142749.D
Acq: 12 Jun 2025 10:56

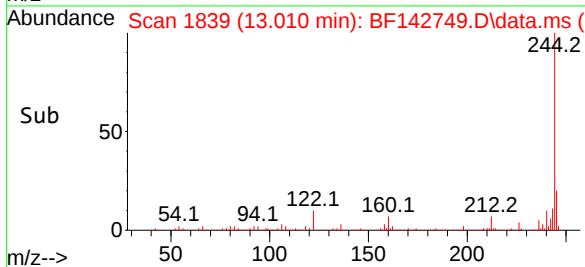
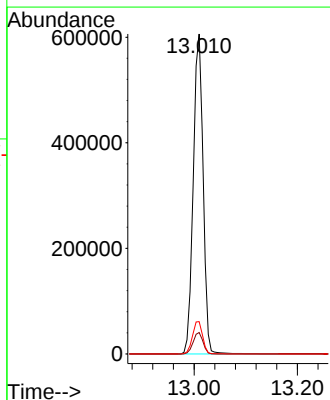
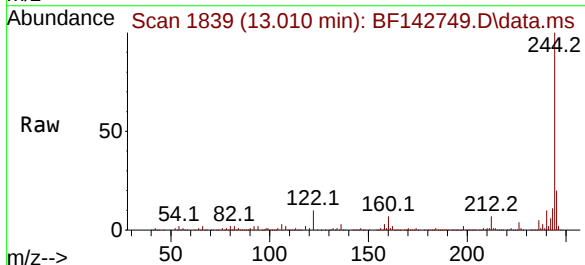
Instrument :
BNA_F
ClientSampleId :
PB168376BL

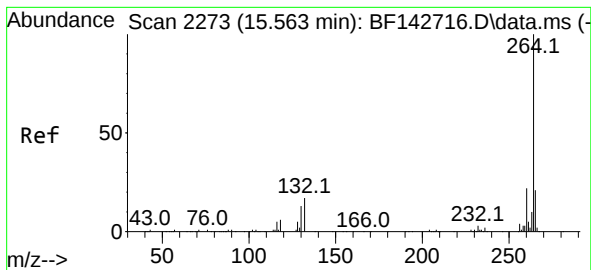
Tgt Ion:240 Resp: 151515
Ion Ratio Lower Upper
240 100
120 10.2 8.5 12.7
236 24.9 20.1 30.1



#79
Terphenyl-d14
Concen: 72.843 ng
RT: 13.010 min Scan# 1839
Delta R.T. -0.000 min
Lab File: BF142749.D
Acq: 12 Jun 2025 10:56

Tgt Ion:244 Resp: 803592
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.0
122 10.1 8.3 12.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142749.D
Acq: 12 Jun 2025 10:56

Instrument :
BNA_F
ClientSampleId :
PB168376BL

Tgt Ion:264 Resp: 154400

Ion	Ratio	Lower	Upper
264	100		
260	23.0	17.8	26.6
265	21.4	16.6	25.0

