

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032725\
 Data File : BF142121.D
 Acq On : 27 Mar 2025 12:39
 Operator : RC/JU
 Sample : Q1636-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Mar 27 13:28:42 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

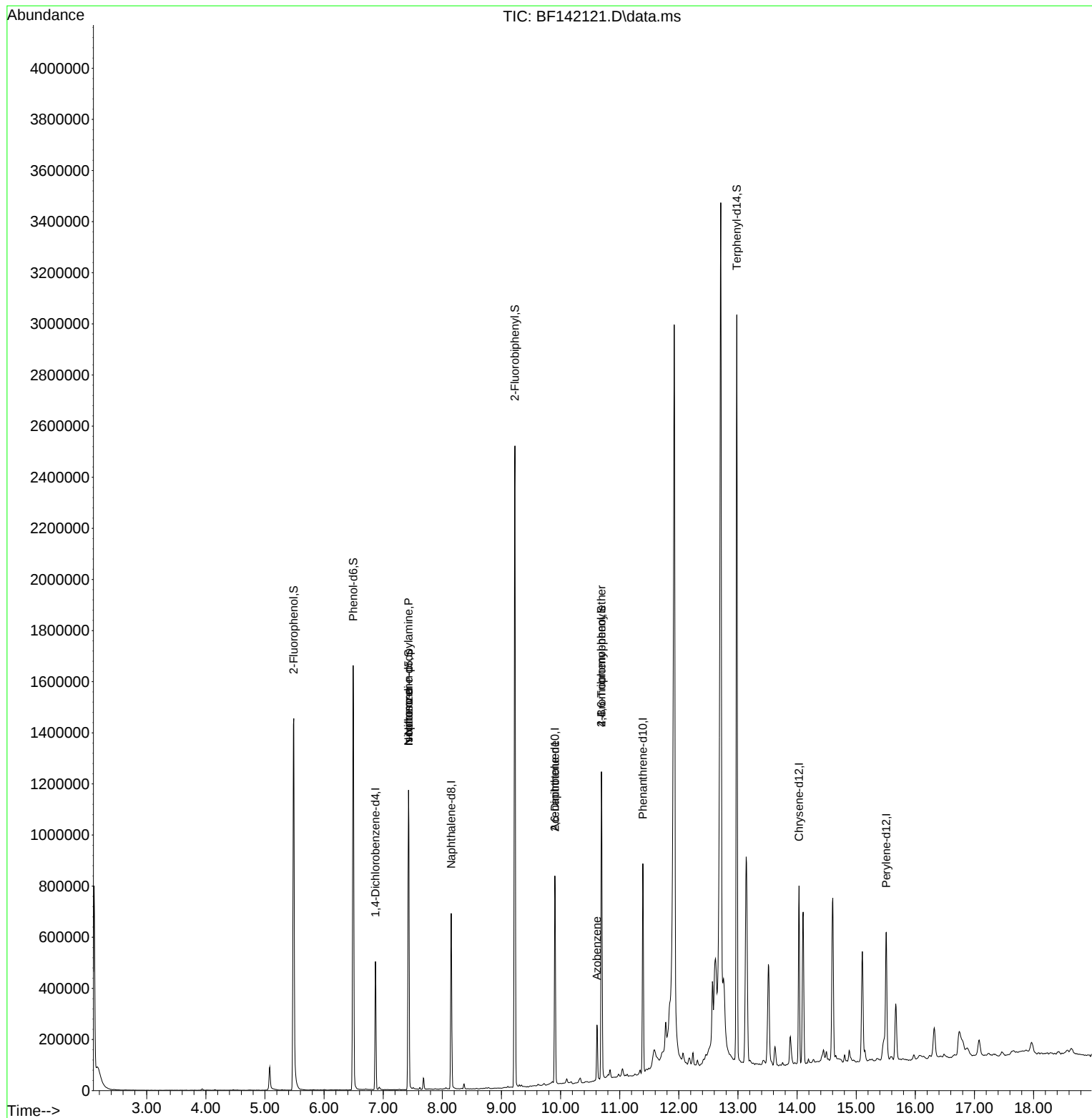
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	106057	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	436484	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	242810	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	421859	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	353707	20.000	ng	0.00
86) Perylene-d12	15.509	264	306296	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	653731	102.874	ng	0.00
7) Phenol-d6	6.492	99	798254	98.661	ng	-0.01
23) Nitrobenzene-d5	7.428	82	528278	68.111	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	219756	71.341	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	1104414	69.174	ng	-0.01
79) Terphenyl-d14	12.980	244	1412285	59.032	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	7.428	70	71075	13.671	ng	# 77
25) Isophorone	7.428	82	521861	38.064	ng	# 64
51) 2,6-Dinitrotoluene	9.904	165	32406	9.154	ng	# 23
63) Azobenzene	10.616	77	55324	3.510	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	14308	2.701	ng	# 1

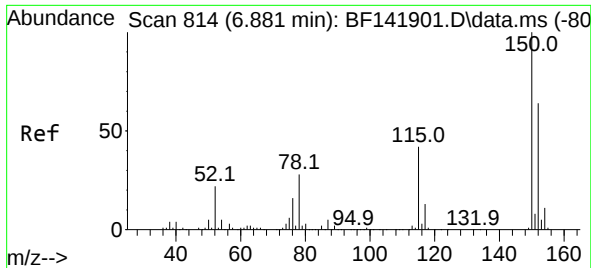
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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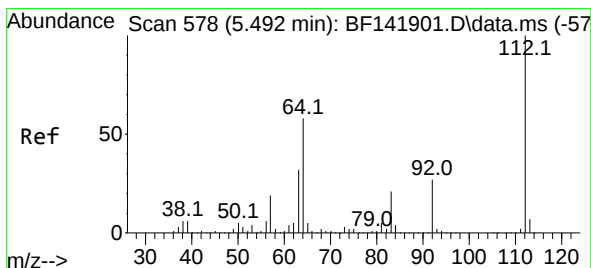
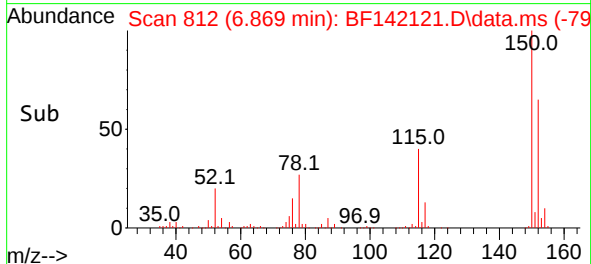
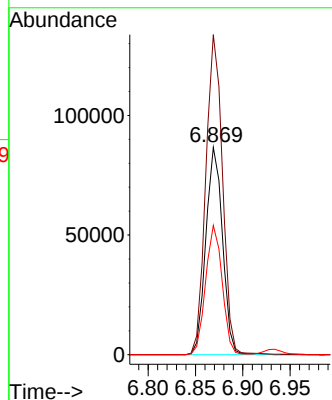
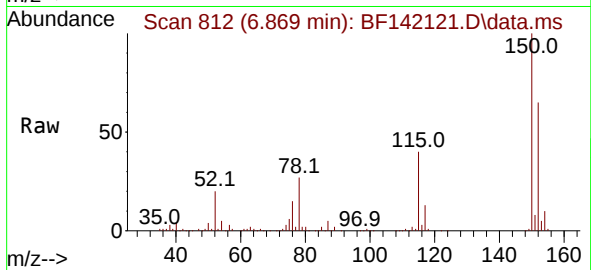




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 814
Delta R.T. -0.012 min
Lab File: BF142121.D
Acq: 27 Mar 2025 12:39

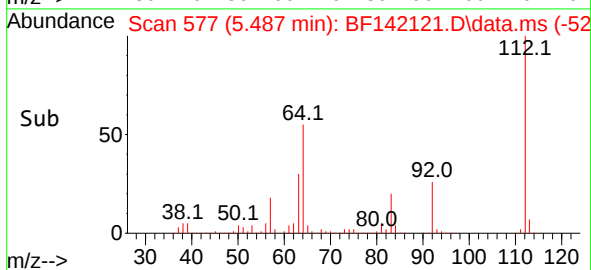
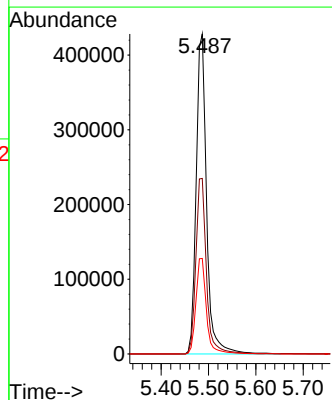
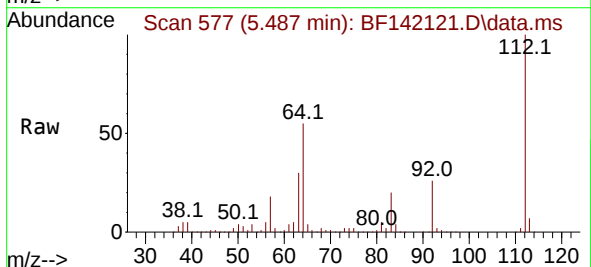
Instrument :
BNA_F
ClientSampleId :
WC-1

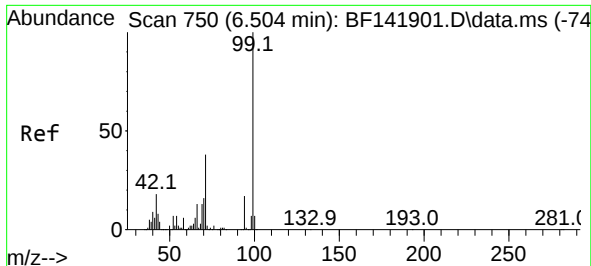
Tgt Ion:152 Resp: 106057
Ion Ratio Lower Upper
152 100
150 154.3 127.4 191.2
115 62.4 51.9 77.9



#5
2-Fluorophenol
Concen: 102.874 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF142121.D
Acq: 27 Mar 2025 12:39

Tgt Ion:112 Resp: 653731
Ion Ratio Lower Upper
112 100
64 54.9 46.5 69.7
63 29.8 25.4 38.2

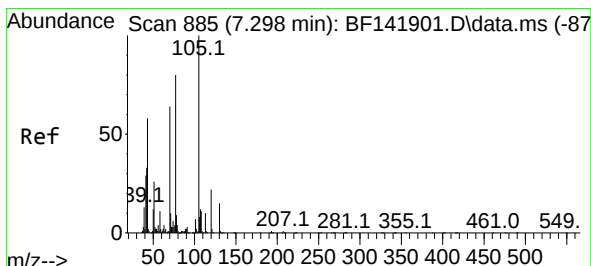
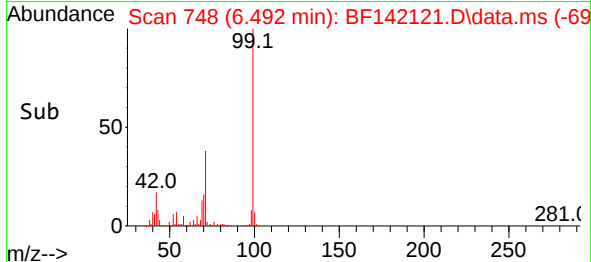
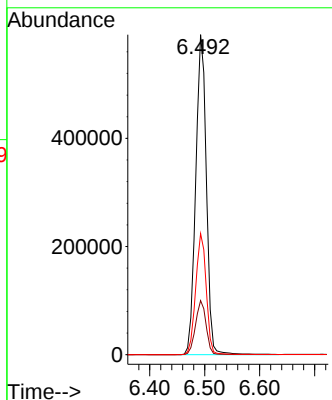
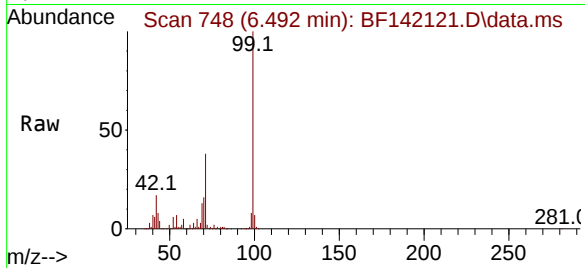




#7
Phenol-d6
Concen: 98.661 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF142121.D
Acq: 27 Mar 2025 12:39

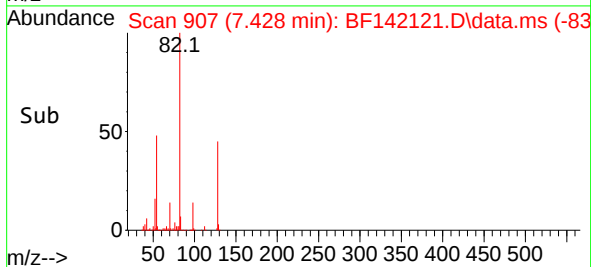
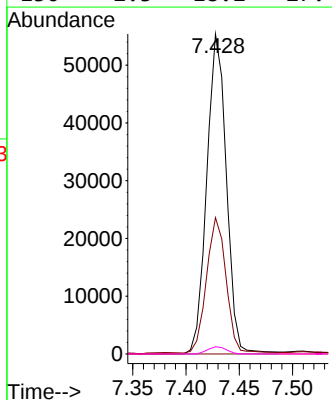
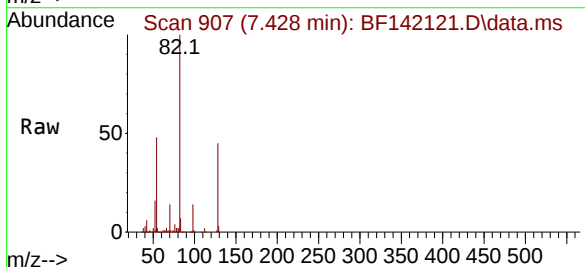
Instrument :
BNA_F
ClientSampleId :
WC-1

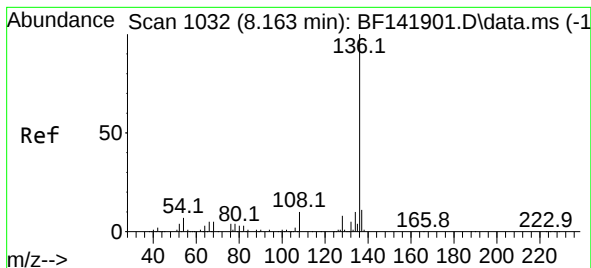
Tgt Ion: 99 Resp: 798254
Ion Ratio Lower Upper
99 100
42 16.9 14.6 21.8
71 37.9 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 13.671 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.129 min
Lab File: BF142121.D
Acq: 27 Mar 2025 12:39

Tgt Ion: 70 Resp: 71075
Ion Ratio Lower Upper
70 100
42 42.6 41.4 62.0
101 0.0 8.2 12.2#
130 2.3 18.2 27.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.151 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142121.D

Acq: 27 Mar 2025 12:39

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion:136 Resp: 436484

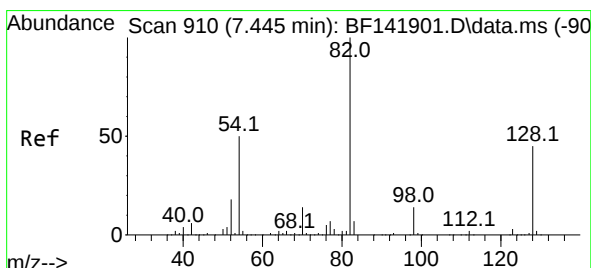
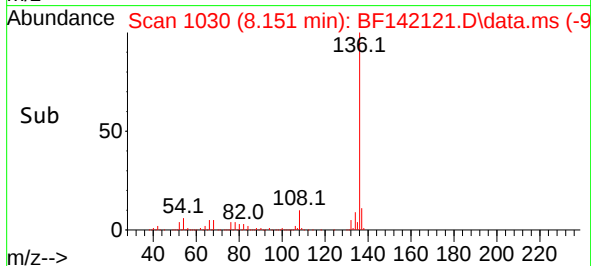
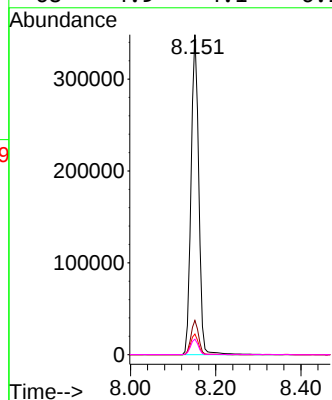
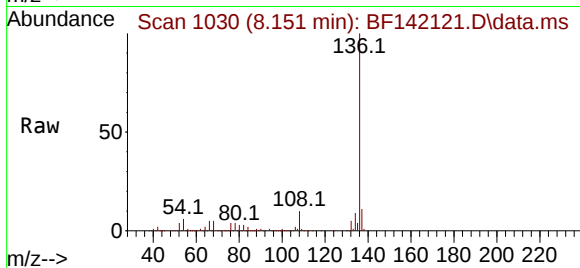
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 6.5 5.8 8.8

68 4.9 4.1 6.1



#23

Nitrobenzene-d5

Concen: 68.111 ng

RT: 7.428 min Scan# 907

Delta R.T. -0.018 min

Lab File: BF142121.D

Acq: 27 Mar 2025 12:39

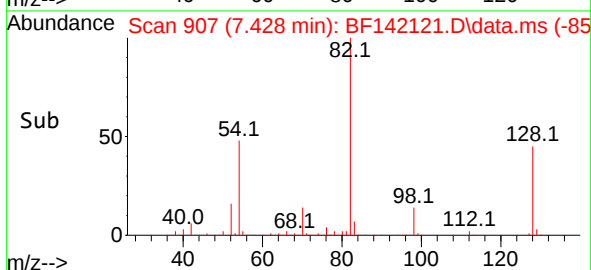
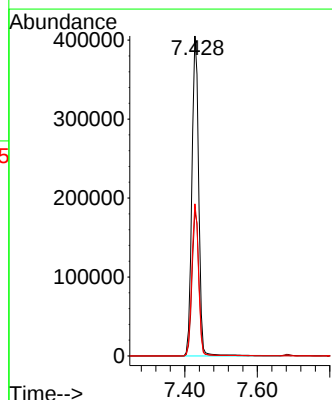
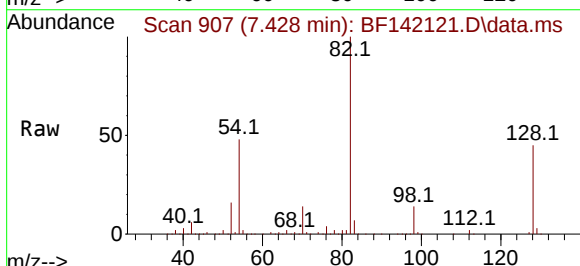
Tgt Ion: 82 Resp: 528278

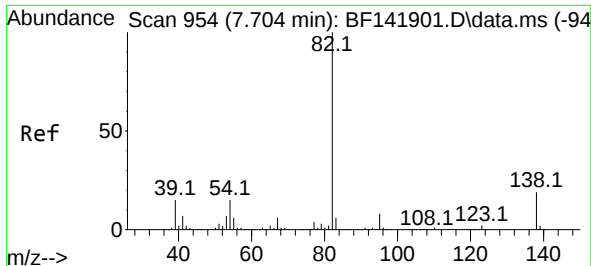
Ion Ratio Lower Upper

82 100

128 45.2 36.0 54.0

54 47.5 39.6 59.4

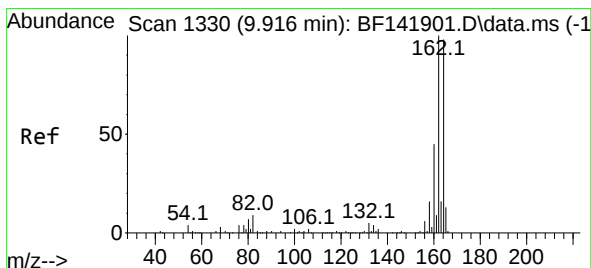
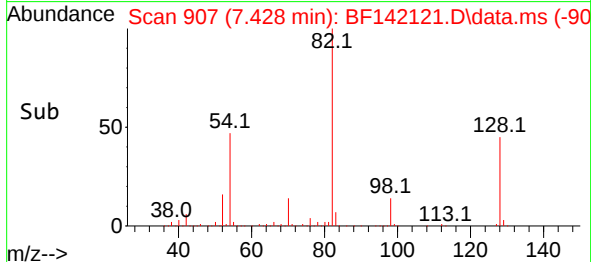
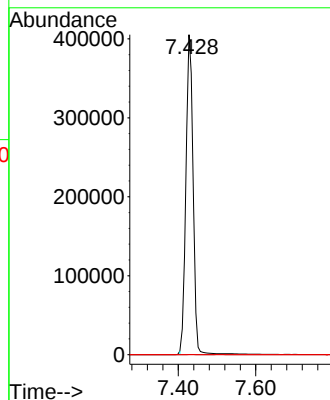
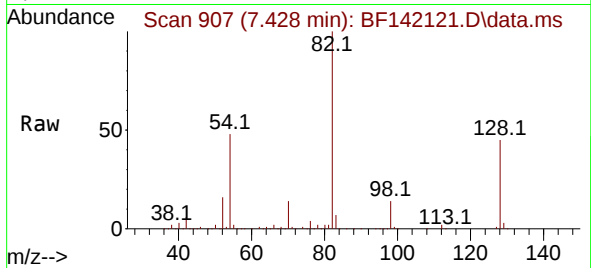




#25
Isophorone
Concen: 38.064 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.276 min
Lab File: BF142121.D
Acq: 27 Mar 2025 12:39

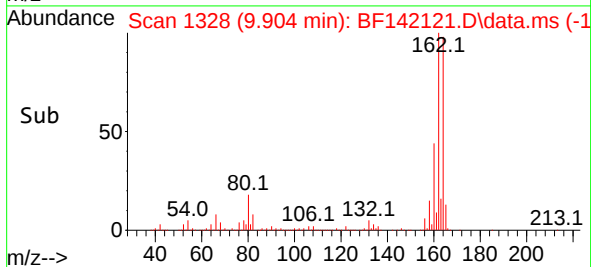
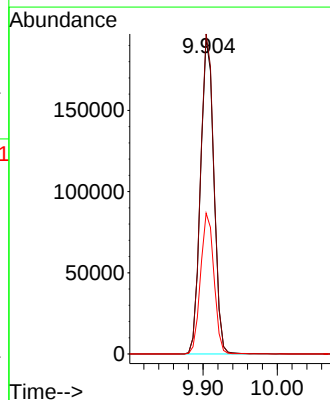
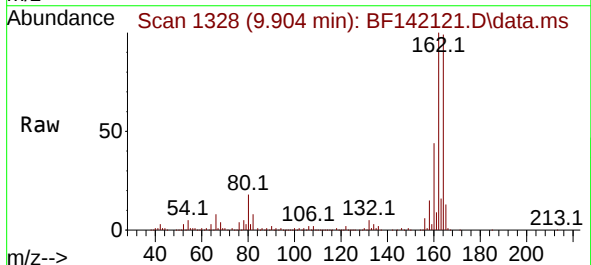
Instrument :
BNA_F
ClientSampleId :
WC-1

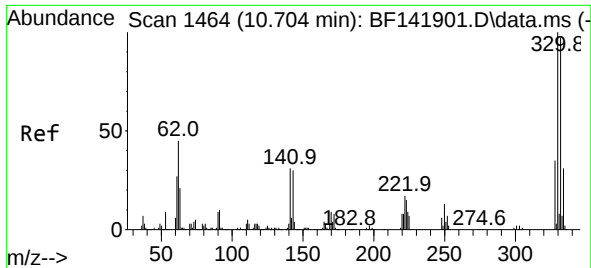
Tgt Ion: 82 Resp: 521861
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142121.D
Acq: 27 Mar 2025 12:39

Tgt Ion: 164 Resp: 242810
Ion Ratio Lower Upper
164 100
162 101.3 81.8 122.6
160 44.6 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 71.341 ng

RT: 10.692 min Scan# 1462

Delta R.T. -0.012 min

Lab File: BF142121.D

Acq: 27 Mar 2025 12:39

Instrument :

BNA_F

ClientSampleId :

WC-1

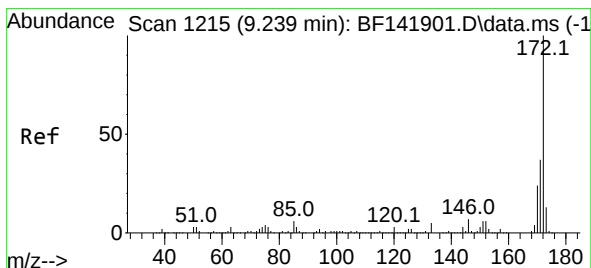
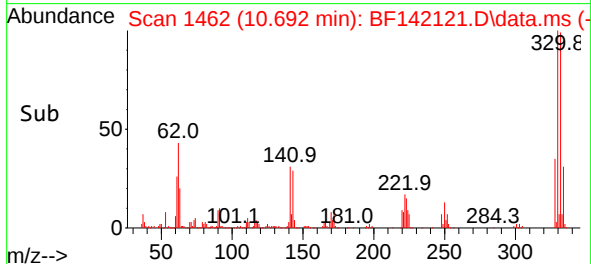
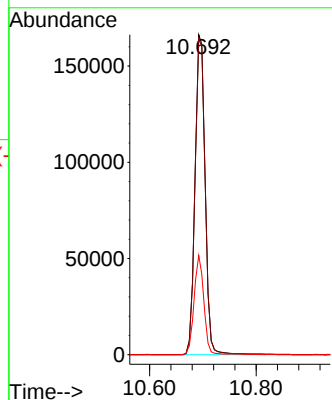
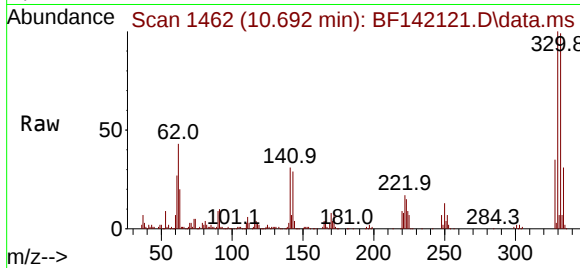
Tgt Ion:330 Resp: 219756

Ion Ratio Lower Upper

330 100

332 99.3 77.6 116.4

141 30.2 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 69.174 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.012 min

Lab File: BF142121.D

Acq: 27 Mar 2025 12:39

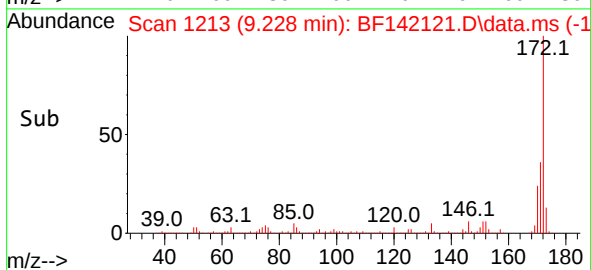
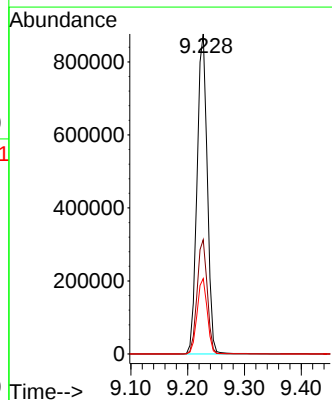
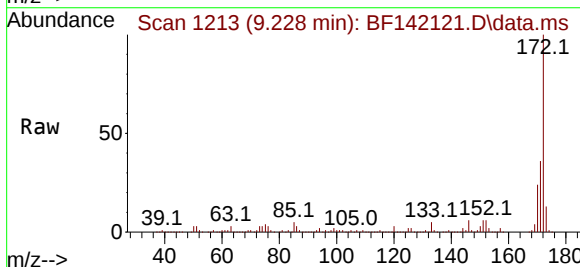
Tgt Ion:172 Resp: 1104414

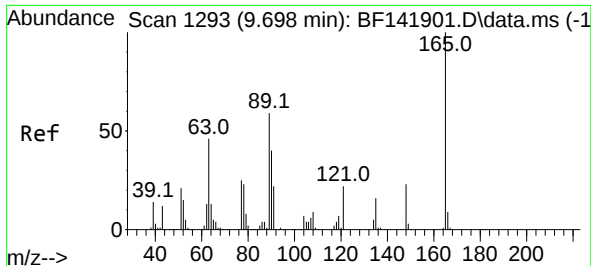
Ion Ratio Lower Upper

172 100

171 35.7 29.3 43.9

170 23.5 19.4 29.0

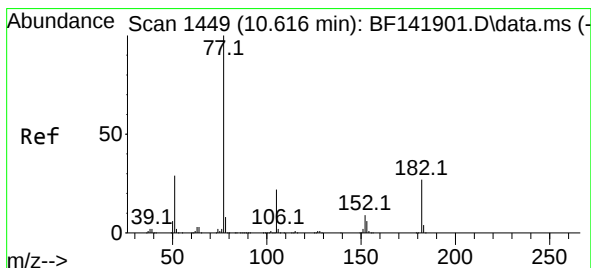
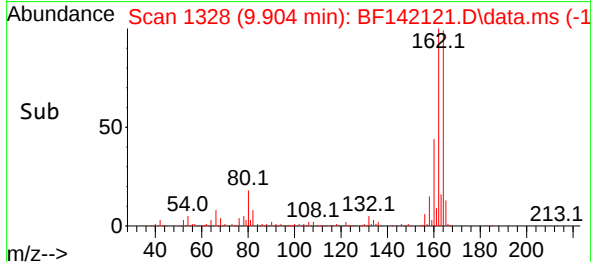
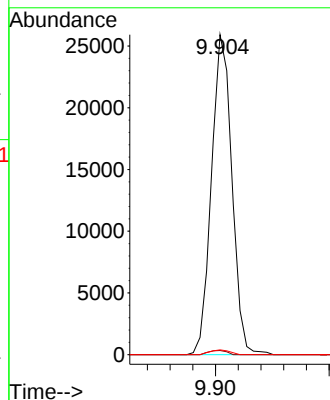
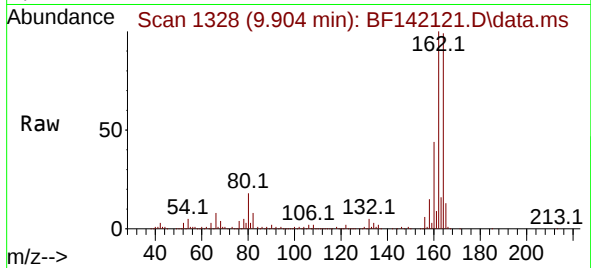




#51
2,6-Dinitrotoluene
Concen: 9.154 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142121.D
Acq: 27 Mar 2025 12:39

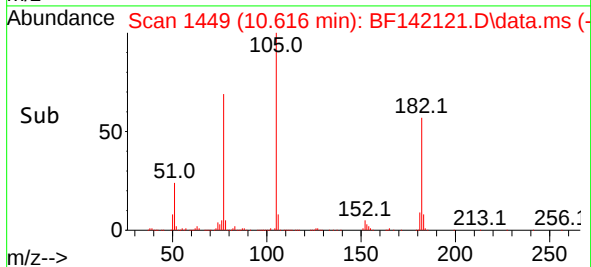
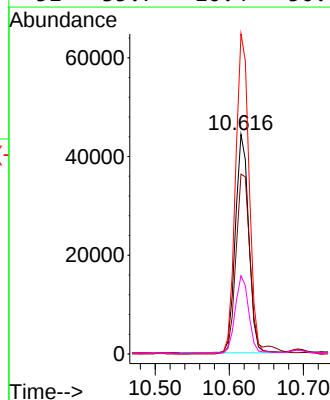
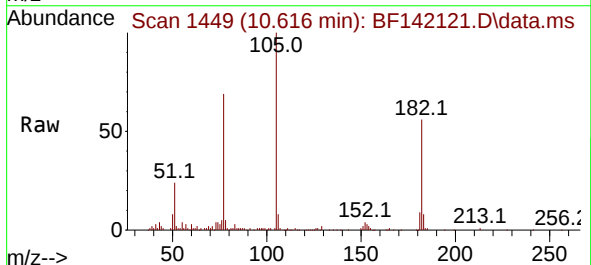
Instrument :
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ClientSampleId :
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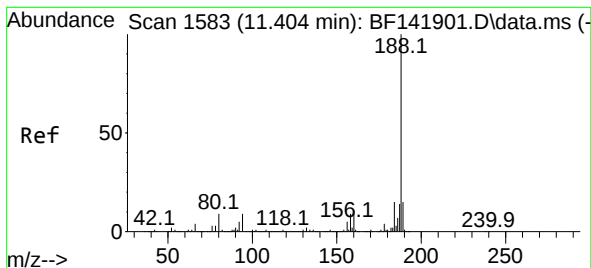
Tgt Ion:165 Resp: 32406
Ion Ratio Lower Upper
165 100
63 1.3 47.0 70.4#
89 1.5 47.4 71.2#



#63
Azobenzene
Concen: 3.510 ng
RT: 10.616 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BF142121.D
Acq: 27 Mar 2025 12:39

Tgt Ion: 77 Resp: 55324
Ion Ratio Lower Upper
77 100
182 82.0 6.6 46.6#
105 145.8 1.3 41.3#
51 35.7 10.4 50.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142121.D

Acq: 27 Mar 2025 12:39

Instrument :

BNA_F

ClientSampleId :

WC-1

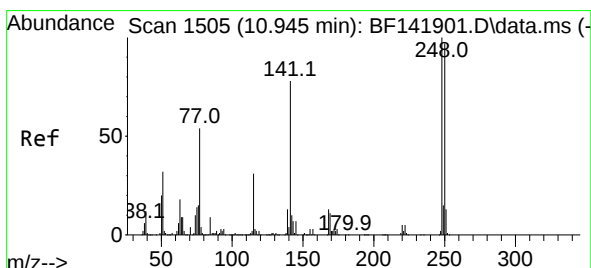
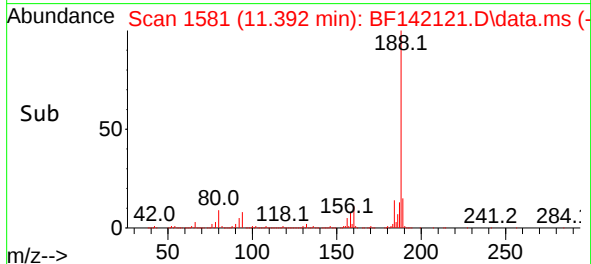
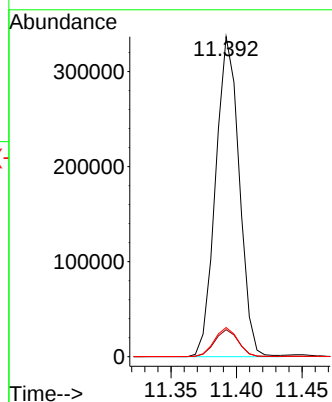
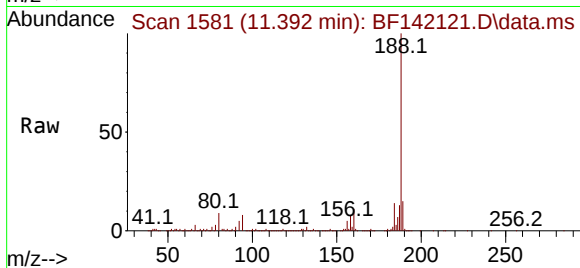
Tgt Ion:188 Resp: 421859

Ion Ratio Lower Upper

188 100

94 8.5 6.8 10.2

80 9.1 7.6 11.4



#67

4-Bromophenyl-phenylether

Concen: 2.701 ng

RT: 10.692 min Scan# 1462

Delta R.T. -0.253 min

Lab File: BF142121.D

Acq: 27 Mar 2025 12:39

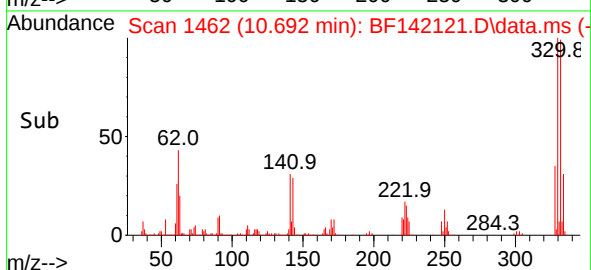
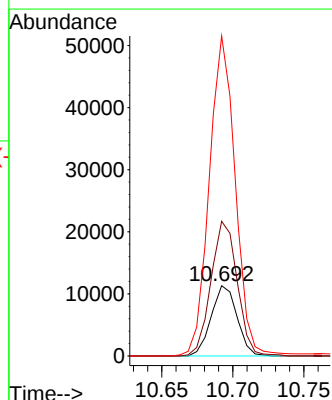
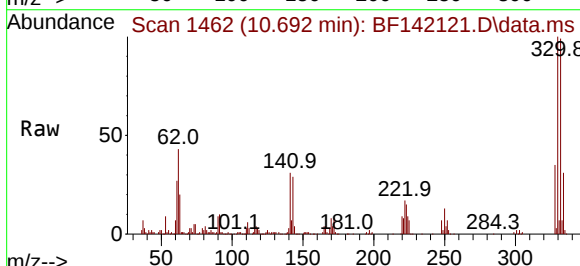
Tgt Ion:248 Resp: 14308

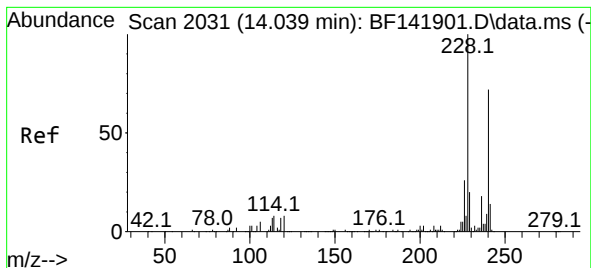
Ion Ratio Lower Upper

248 100

250 191.6 77.8 116.8#

141 455.1 62.6 93.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF142121.D

Acq: 27 Mar 2025 12:39

Instrument :

BNA_F

ClientSampleId :

WC-1

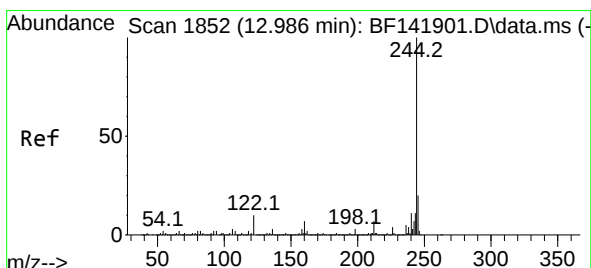
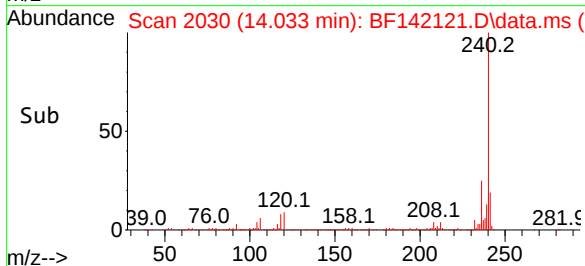
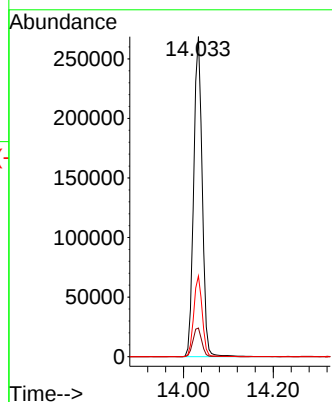
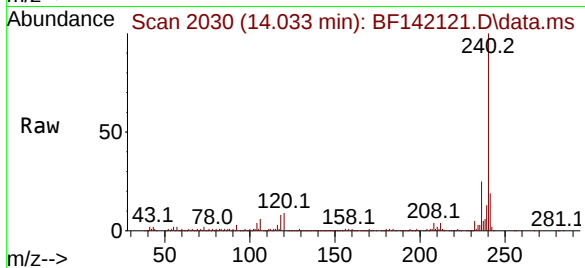
Tgt Ion:240 Resp: 353707

Ion Ratio Lower Upper

240 100

120 8.9 8.4 12.6

236 25.2 20.5 30.7



#79

Terphenyl-d14

Concen: 59.032 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF142121.D

Acq: 27 Mar 2025 12:39

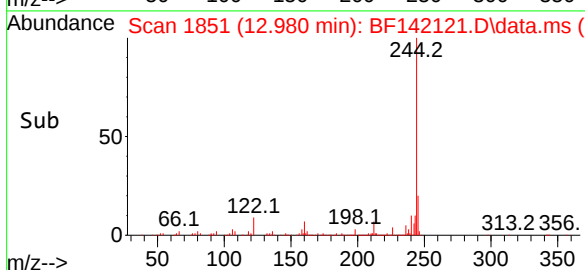
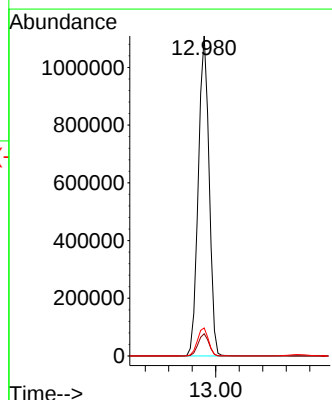
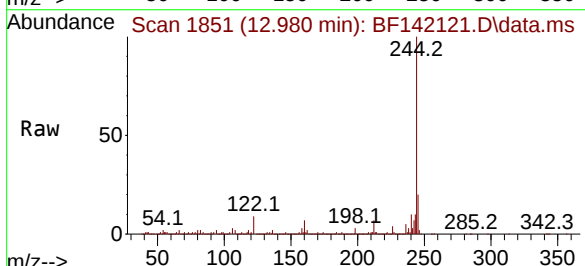
Tgt Ion:244 Resp: 1412285

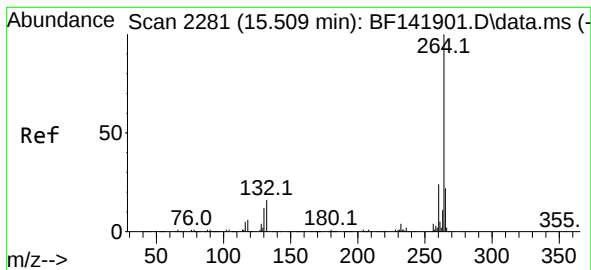
Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

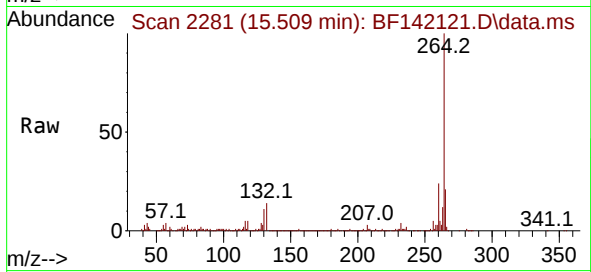
122 8.8 7.7 11.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF142121.D
Acq: 27 Mar 2025 12:39

Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:264 Resp: 306296
Ion Ratio Lower Upper
264 100
260 24.0 19.1 28.7
265 21.2 17.5 26.3

