

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052125\
 Data File : BF142485.D
 Acq On : 21 May 2025 14:08
 Operator : RC/JU
 Sample : Q2074-08
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-18

Quant Time: May 21 14:29:34 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)

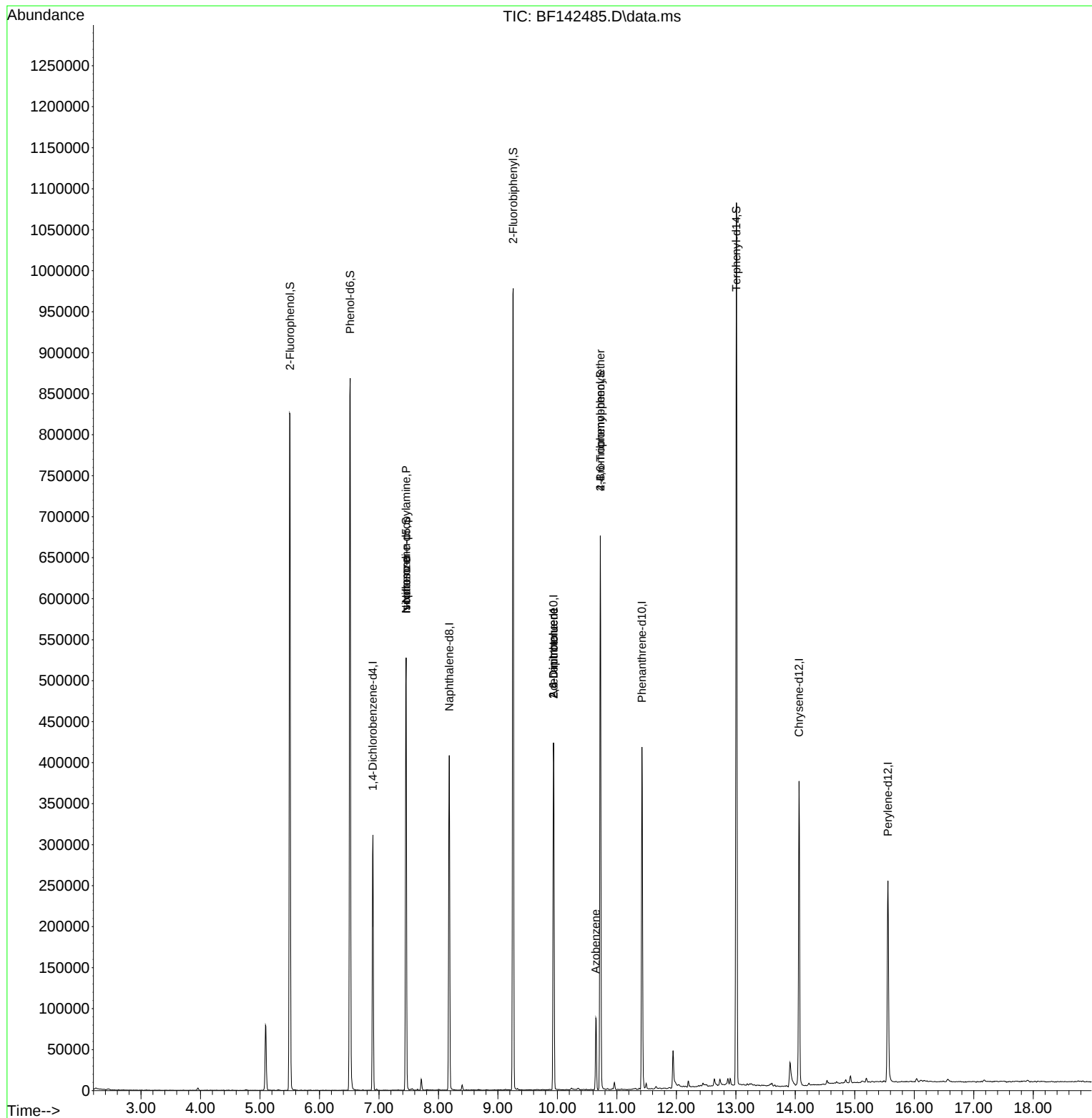
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	67930	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	254867	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	129671	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	218550	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	178101	20.000	ng	-0.01
86) Perylene-d12	15.557	264	150145	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	322080	79.880	ng	-0.01
7) Phenol-d6	6.516	99	397987	81.998	ng	-0.02
23) Nitrobenzene-d5	7.457	82	217256	46.482	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	114787	79.758	ng	-0.02
45) 2-Fluorobiphenyl	9.257	172	449345	46.499	ng	-0.01
79) Terphenyl-d14	13.010	244	516964	39.666	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	29284	9.735	ng	# 76
25) Isophorone	7.457	82	203414	26.030	ng	# 63
51) 2,6-Dinitrotoluene	9.934	165	16004	8.666	ng	# 27
57) 2,4-Dinitrotoluene	9.934	165	16004	6.636	ng	# 27
63) Azobenzene	10.645	77	21539	2.870	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	7260	2.809	ng	# 1

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

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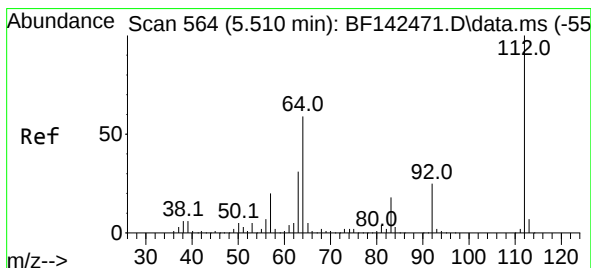
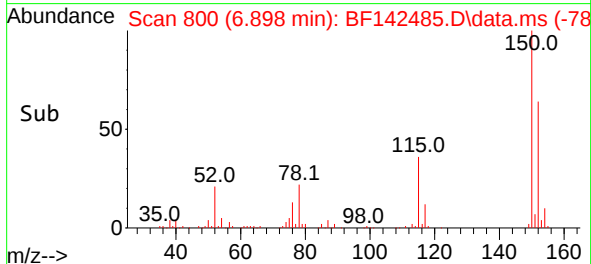
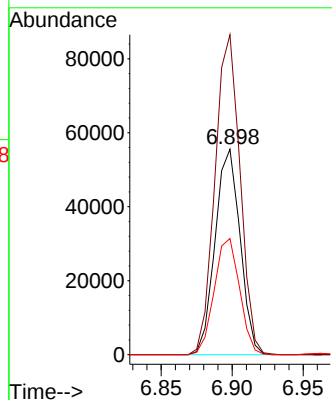
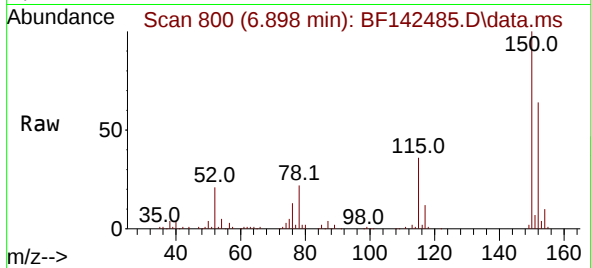




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.898 min Scan# 800
 Delta R.T. -0.006 min
 Lab File: BF142485.D
 Acq: 21 May 2025 14:08

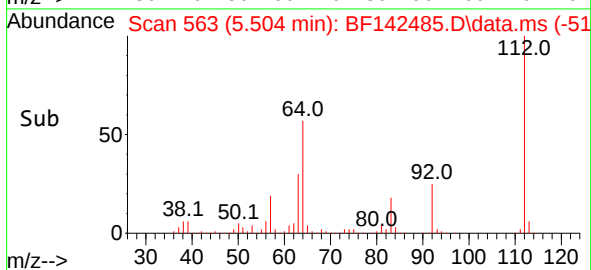
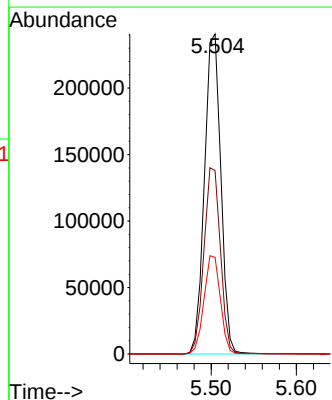
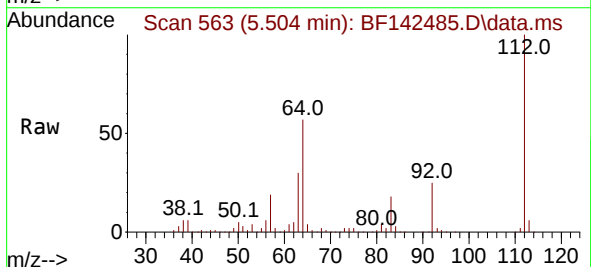
Instrument :
 BNA_F
 ClientSampleId :
 TP-18

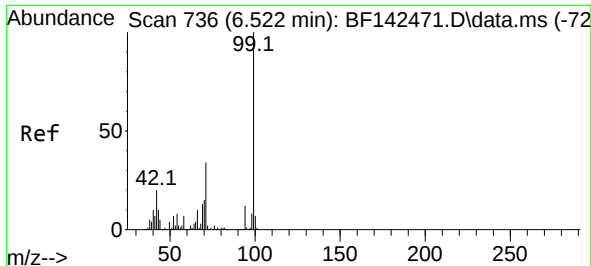
Tgt Ion:152 Resp: 67930
 Ion Ratio Lower Upper
 152 100
 150 155.7 128.2 192.4
 115 56.5 48.3 72.5



#5
 2-Fluorophenol
 Concen: 79.880 ng
 RT: 5.504 min Scan# 563
 Delta R.T. -0.012 min
 Lab File: BF142485.D
 Acq: 21 May 2025 14:08

Tgt Ion:112 Resp: 322080
 Ion Ratio Lower Upper
 112 100
 64 57.3 47.5 71.3
 63 30.2 24.9 37.3

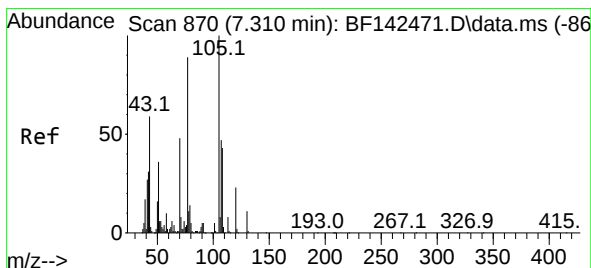
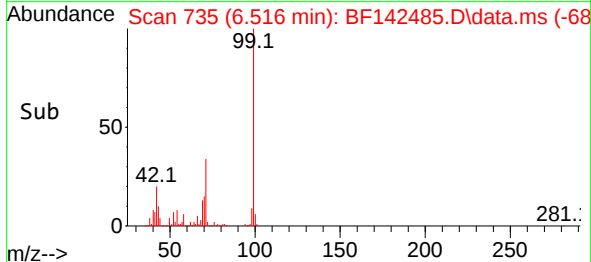
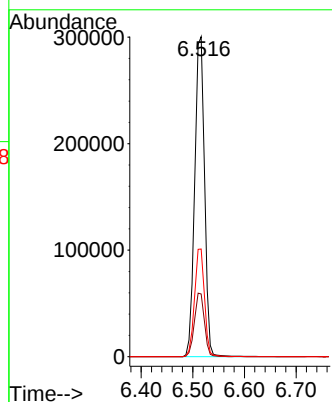
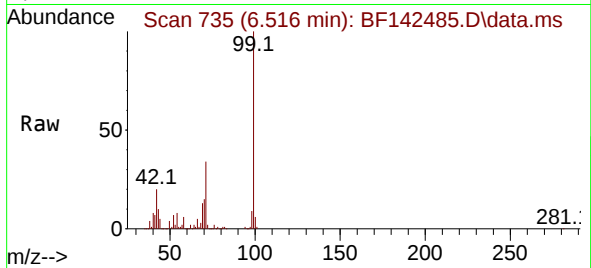




#7
Phenol-d6
Concen: 81.998 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF142485.D
Acq: 21 May 2025 14:08

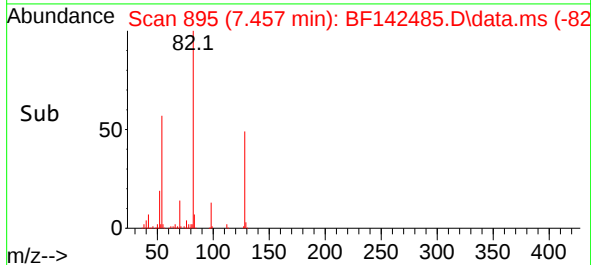
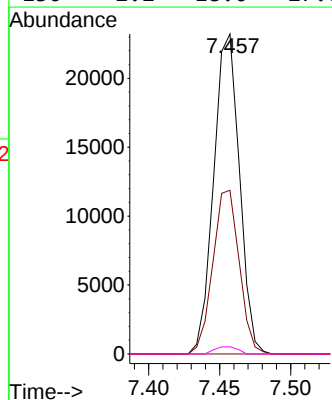
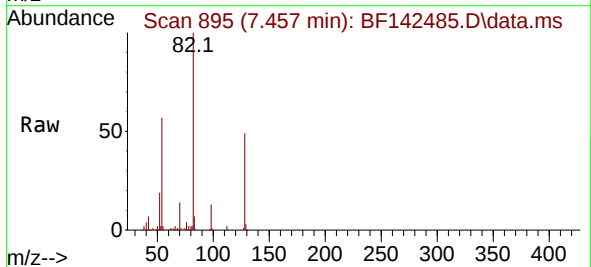
Instrument :
BNA_F
ClientSampleId :
TP-18

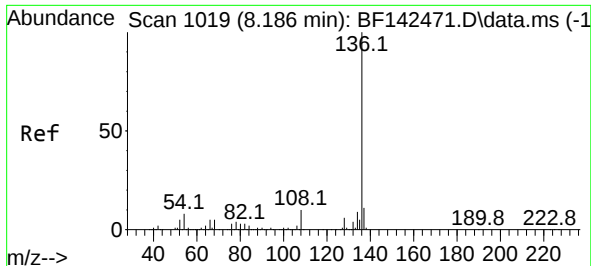
Tgt Ion: 99 Resp: 397987
Ion Ratio Lower Upper
99 100
42 19.6 16.2 24.2
71 33.7 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 9.735 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.130 min
Lab File: BF142485.D
Acq: 21 May 2025 14:08

Tgt Ion: 70 Resp: 29284
Ion Ratio Lower Upper
70 100
42 51.1 52.4 78.6#
101 0.0 7.8 11.8#
130 2.2 18.0 27.0#

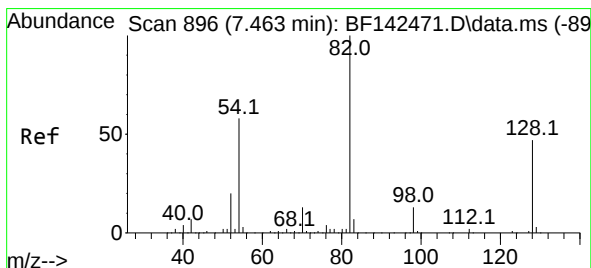
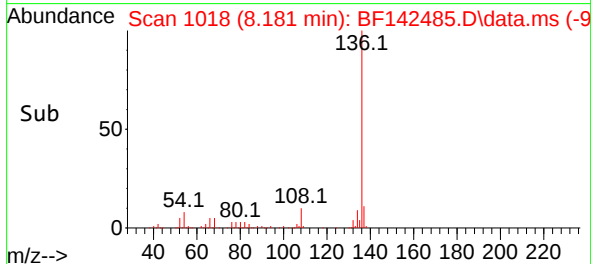
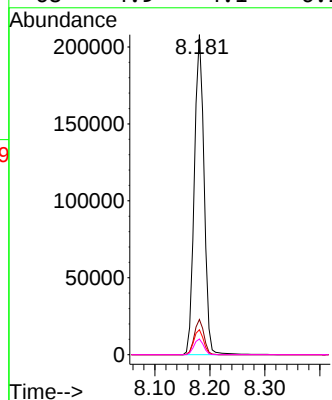
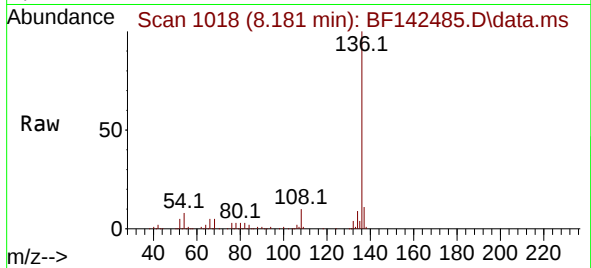




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142485.D
Acq: 21 May 2025 14:08

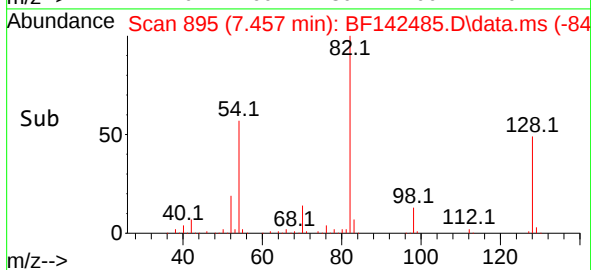
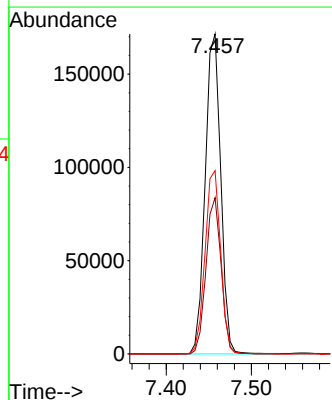
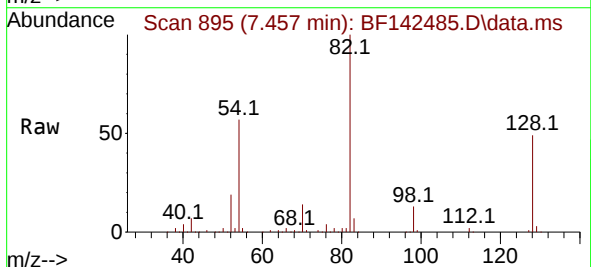
Instrument :
BNA_F
ClientSampleId :
TP-18

Tgt Ion:136 Resp: 254867
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 7.8 6.6 10.0
68 4.9 4.1 6.1



#23
Nitrobenzene-d5
Concen: 46.482 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.017 min
Lab File: BF142485.D
Acq: 21 May 2025 14:08

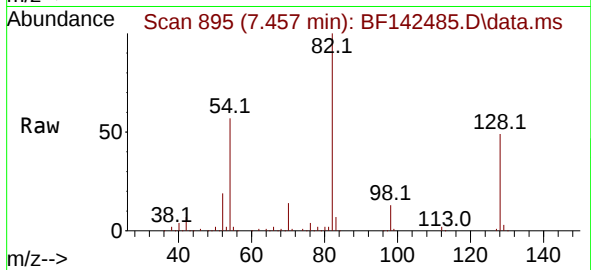
Tgt Ion: 82 Resp: 217256
Ion Ratio Lower Upper
82 100
128 48.9 37.4 56.2
54 57.3 46.6 70.0



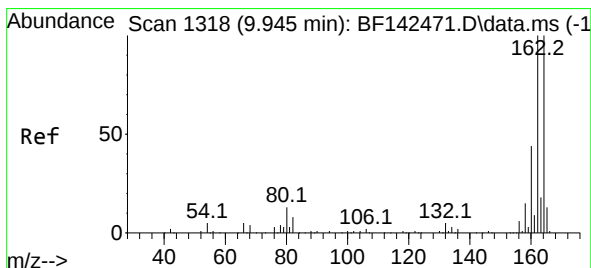
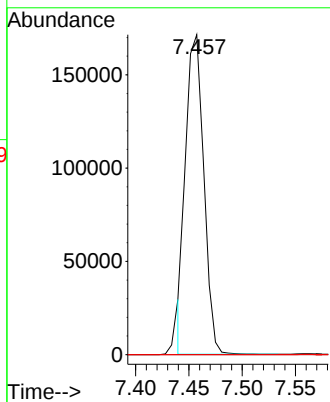
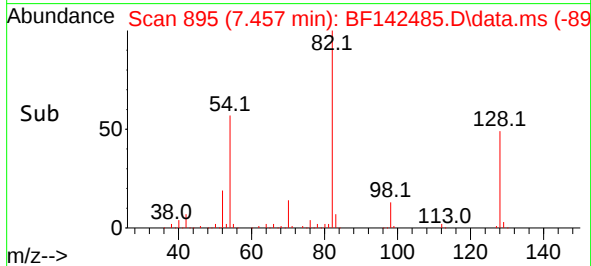


#25
Isophorone
Concen: 26.030 ng
RT: 7.457 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF142485.D
Acq: 21 May 2025 14:08

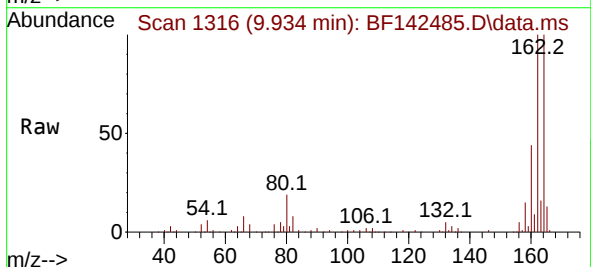
Instrument :
BNA_F
ClientSampleId :
TP-18



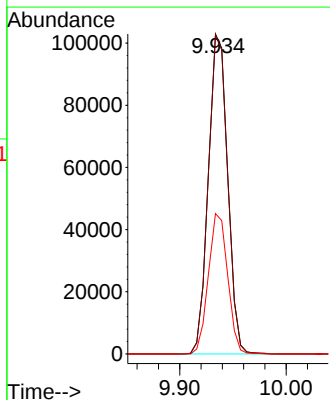
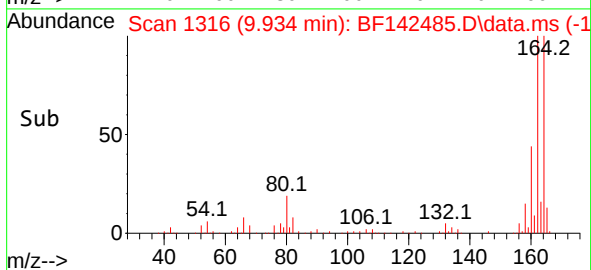
Tgt Ion: 82 Resp: 203414
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#

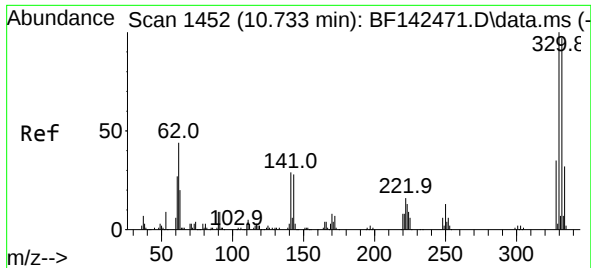


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1316
Delta R.T. -0.011 min
Lab File: BF142485.D
Acq: 21 May 2025 14:08



Tgt Ion:164 Resp: 129671
Ion Ratio Lower Upper
164 100
162 99.8 80.2 120.4
160 43.8 35.6 53.4

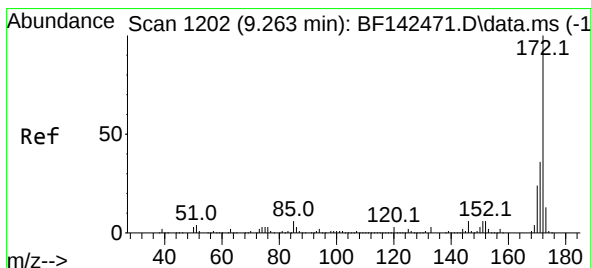
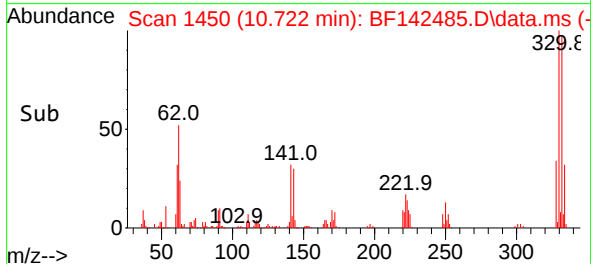
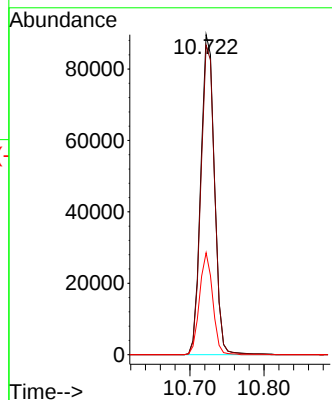
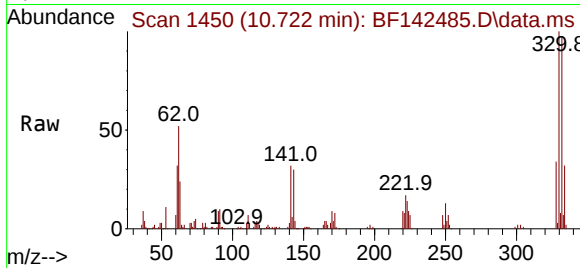




#42
 2,4,6-Tribromophenol
 Concen: 79.758 ng
 RT: 10.722 min Scan# 1450
 Delta R.T. -0.017 min
 Lab File: BF142485.D
 Acq: 21 May 2025 14:08

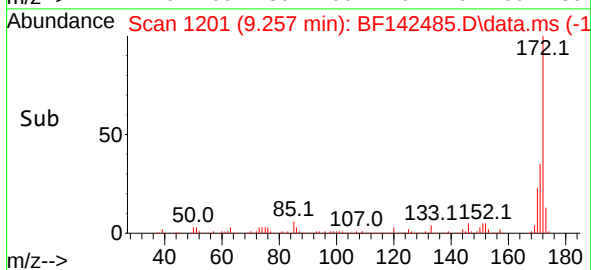
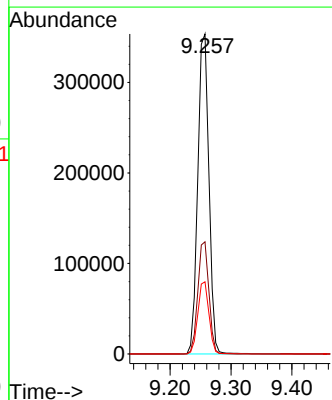
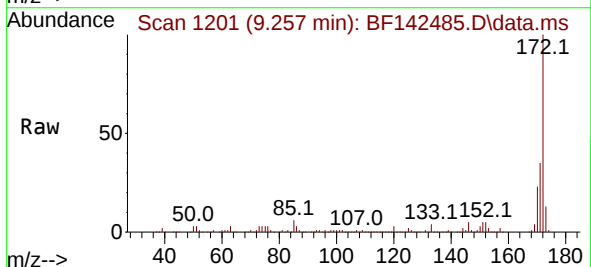
Instrument :
 BNA_F
 ClientSampleId :
 TP-18

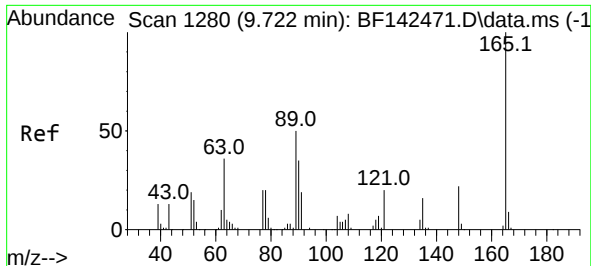
Tgt Ion: 330 Resp: 114787
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.6 116.4
 141 30.5 24.6 36.8



#45
 2-Fluorobiphenyl
 Concen: 46.499 ng
 RT: 9.257 min Scan# 1201
 Delta R.T. -0.011 min
 Lab File: BF142485.D
 Acq: 21 May 2025 14:08

Tgt Ion: 172 Resp: 449345
 Ion Ratio Lower Upper
 172 100
 171 35.1 28.6 42.8
 170 22.6 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 8.666 ng

RT: 9.934 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF142485.D

Acq: 21 May 2025 14:08

Instrument :

BNA_F

ClientSampleId :

TP-18

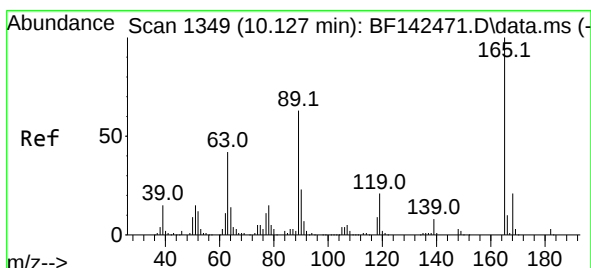
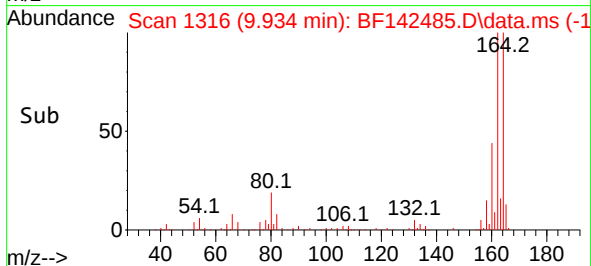
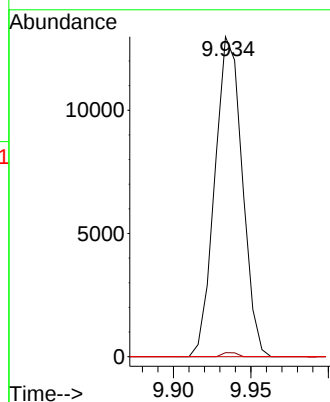
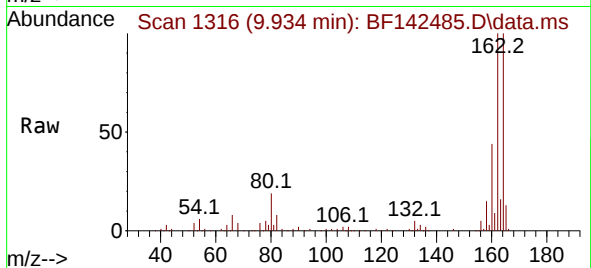
Tgt Ion:165 Resp: 16004

Ion Ratio Lower Upper

165 100

63 1.2 42.9 64.3#

89 0.0 40.2 60.4#



#57

2,4-Dinitrotoluene

Concen: 6.636 ng

RT: 9.934 min Scan# 1316

Delta R.T. -0.200 min

Lab File: BF142485.D

Acq: 21 May 2025 14:08

Tgt Ion:165 Resp: 16004

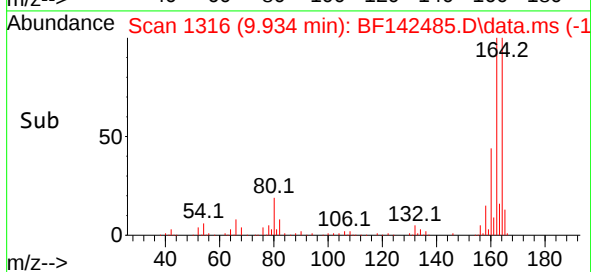
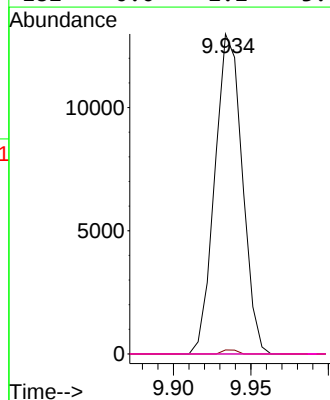
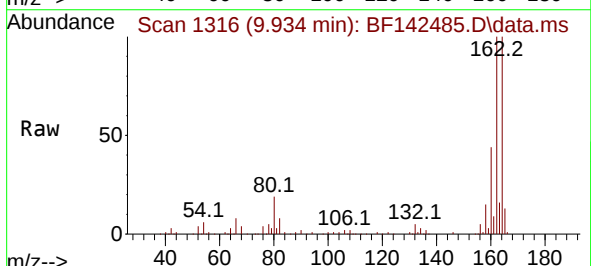
Ion Ratio Lower Upper

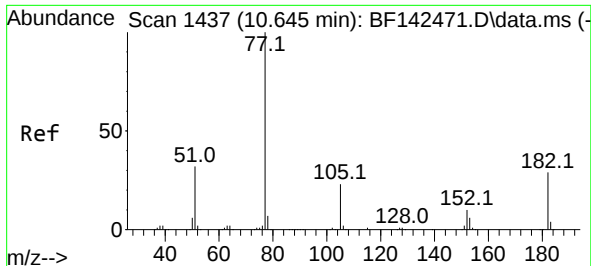
165 100

63 1.2 33.6 50.4#

89 0.0 50.2 75.4#

182 0.0 2.2 3.4#

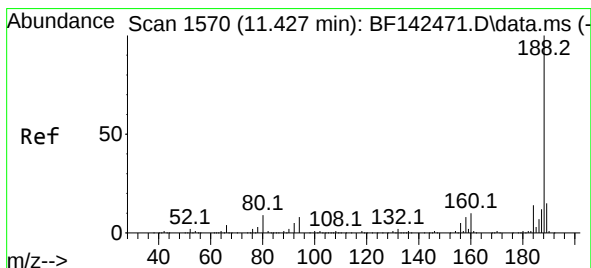
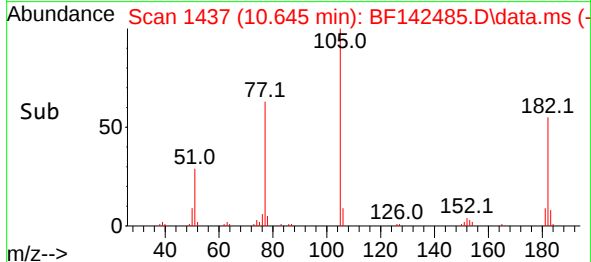
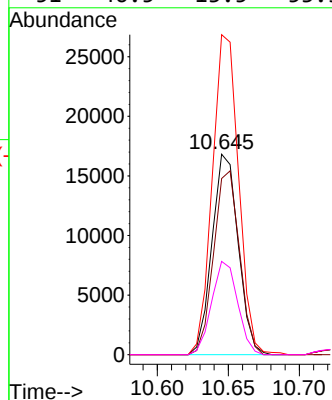
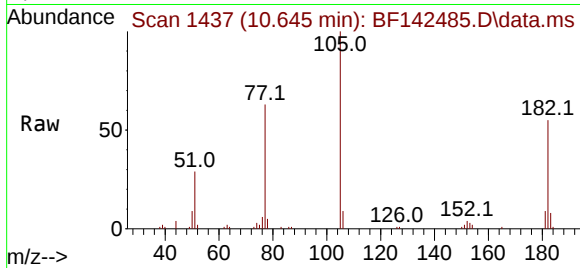




#63
 Azobenzene
 Concen: 2.870 ng
 RT: 10.645 min Scan# 14
 Delta R.T. 0.000 min
 Lab File: BF142485.D
 Acq: 21 May 2025 14:08

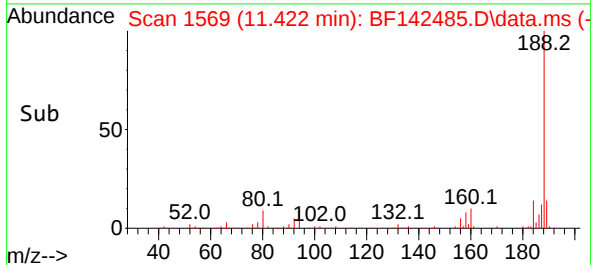
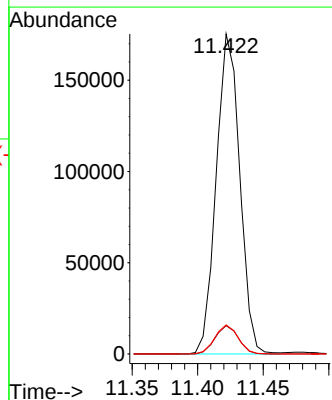
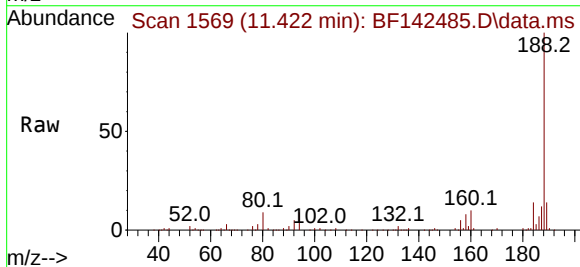
Instrument :
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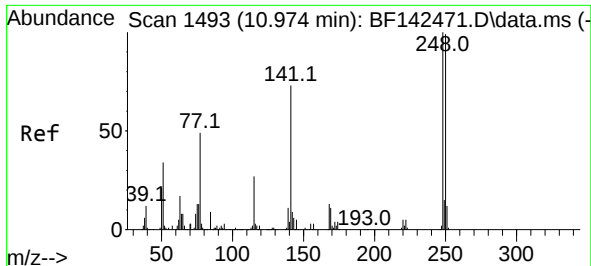
Tgt Ion: 77	Resp: 21539
Ion Ratio	Lower Upper
77 100	
182 87.8	9.0 49.0#
105 159.6	2.4 42.4#
51 46.5	13.5 53.5



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.422 min Scan# 1569
 Delta R.T. -0.011 min
 Lab File: BF142485.D
 Acq: 21 May 2025 14:08

Tgt Ion: 188	Resp: 218550
Ion Ratio	Lower Upper
188 100	
94 8.9	6.6 10.0
80 9.1	7.4 11.0

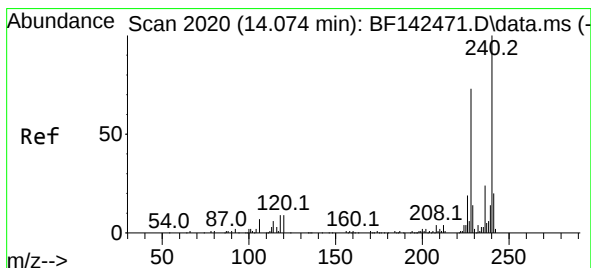
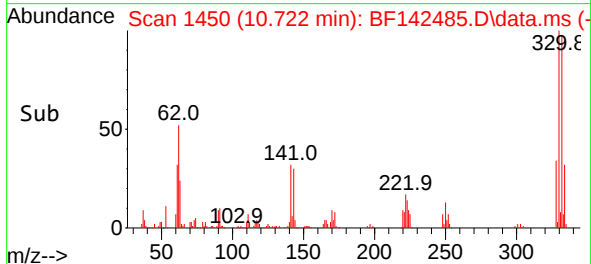
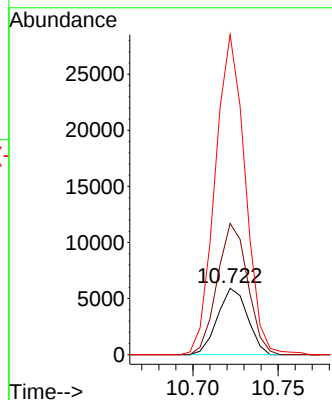
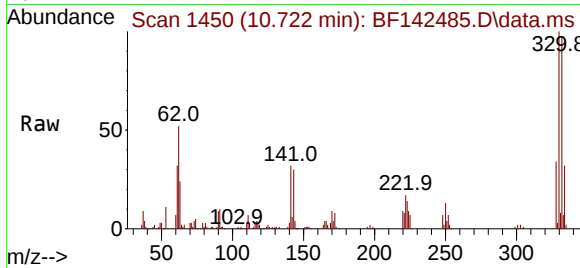




#67
4-Bromophenyl-phenylether
Concen: 2.809 ng
RT: 10.722 min Scan# 1493
Delta R.T. -0.253 min
Lab File: BF142485.D
Acq: 21 May 2025 14:08

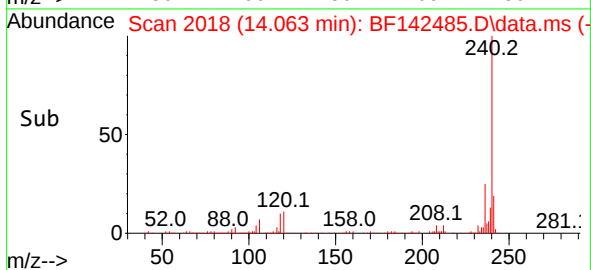
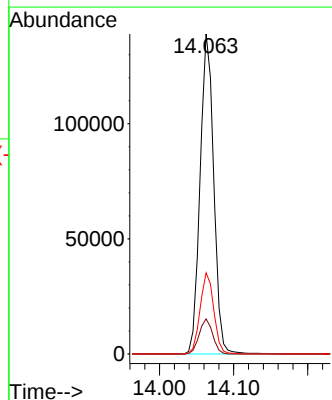
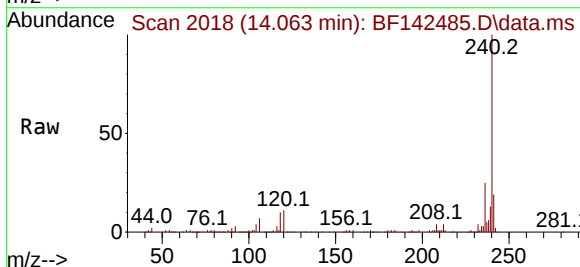
Instrument :
BNA_F
ClientSampleId :
TP-18

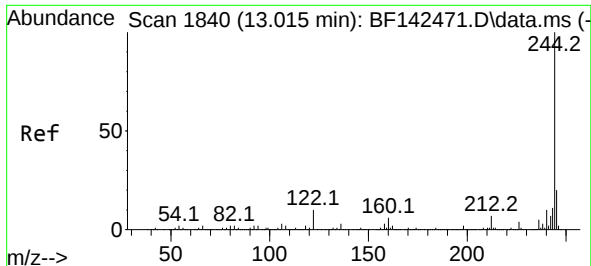
Tgt Ion:248 Resp: 7260
Ion Ratio Lower Upper
248 100
250 197.5 79.0 118.4#
141 481.6 58.4 87.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.011 min
Lab File: BF142485.D
Acq: 21 May 2025 14:08

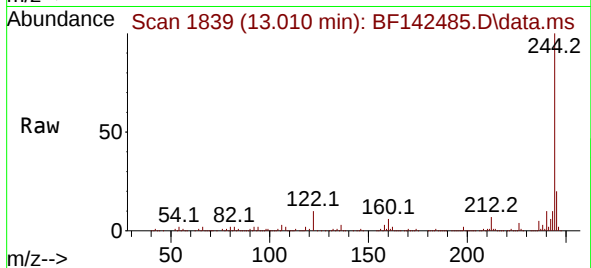
Tgt Ion:240 Resp: 178101
Ion Ratio Lower Upper
240 100
120 11.0 7.5 11.3
236 25.4 19.6 29.4



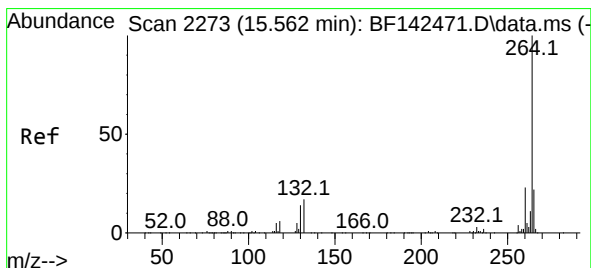
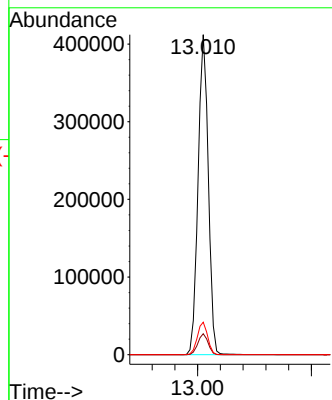
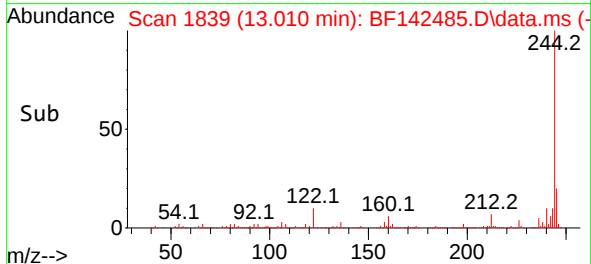


#79
Terphenyl-d14
Concen: 39.666 ng
RT: 13.010 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF142485.D
Acq: 21 May 2025 14:08

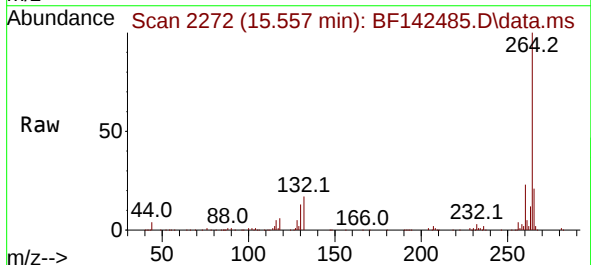
Instrument :
BNA_F
ClientSampleId :
TP-18



Tgt Ion:244 Resp: 516964
Ion Ratio Lower Upper
244 100
212 6.5 5.3 7.9
122 10.2 8.2 12.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2272
Delta R.T. -0.012 min
Lab File: BF142485.D
Acq: 21 May 2025 14:08



Tgt Ion:264 Resp: 150145
Ion Ratio Lower Upper
264 100
260 23.0 18.6 28.0
265 21.1 17.7 26.5

