

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052125\
 Data File : BF142489.D
 Acq On : 21 May 2025 16:03
 Operator : RC/JU
 Sample : Q2075-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-MW1-11.5

Quant Time: May 21 16:25:25 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)

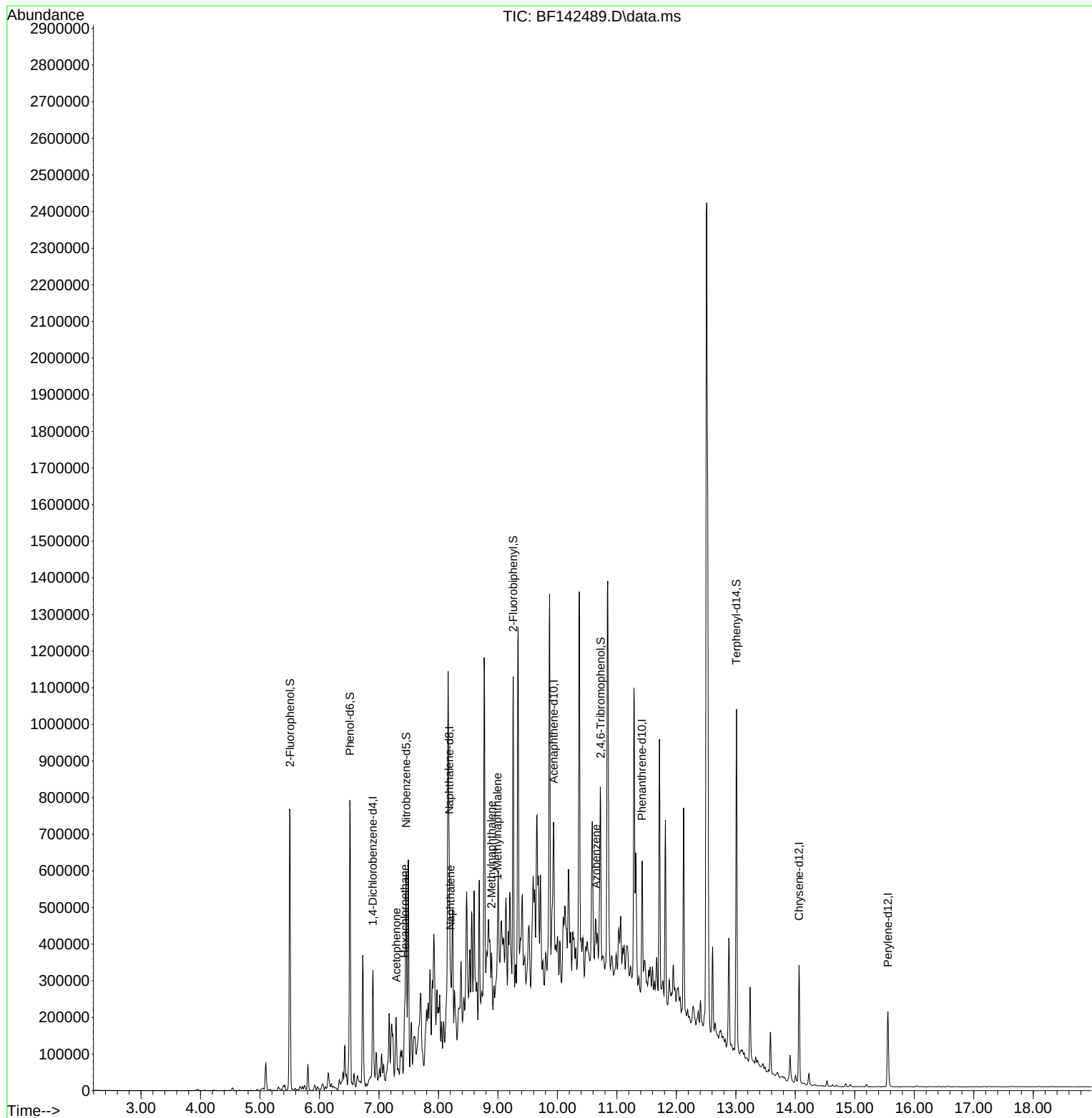
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	59263	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	206974	20.000	ng	# 0.00
39) Acenaphthene-d10	9.939	164	103588	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	179364	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	153166	20.000	ng	-0.01
86) Perylene-d12	15.557	264	125915	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	294426	83.701	ng	-0.01
7) Phenol-d6	6.510	99	354305	83.674	ng	-0.02
23) Nitrobenzene-d5	7.457	82	202164	53.262	ng	-0.02
42) 2,4,6-Tribromophenol	10.728	330	90668	78.863	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	375145	48.596	ng	-0.01
79) Terphenyl-d14	13.010	244	435991	38.899	ng	0.00
Target Compounds						
						Qvalue
18) Hexachloroethane	7.434	117	12045	8.010	ng	# 1
22) Acetophenone	7.293	105	21742	4.745	ng	# 47
31) Naphthalene	8.204	128	26740	2.624	ng	# 81
37) 2-Methylnaphthalene	8.892	142	52255	8.150	ng	99
38) 1-Methylnaphthalene	8.992	142	32230	4.860	ng	98
63) Azobenzene	10.651	77	20519	3.422	ng	# 1

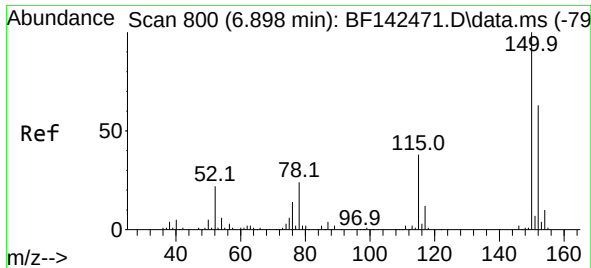
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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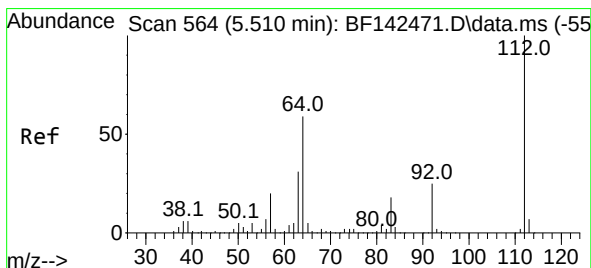
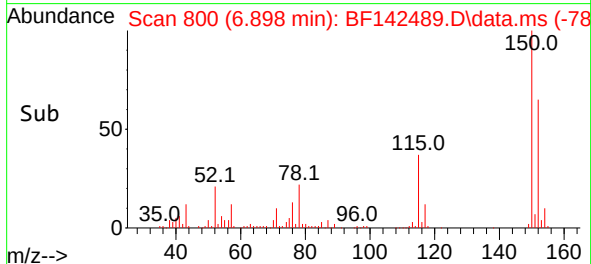
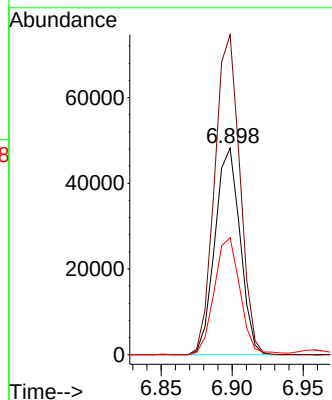
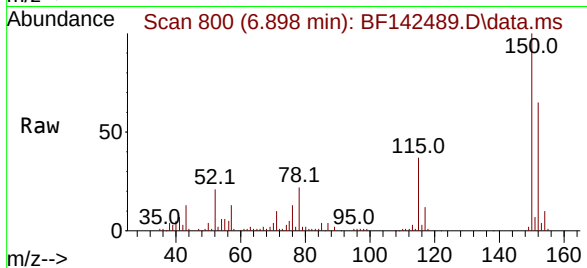




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.898 min Scan# 800
 Delta R.T. -0.006 min
 Lab File: BF142489.D
 Acq: 21 May 2025 16:03

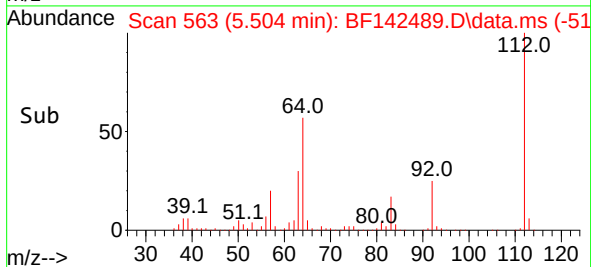
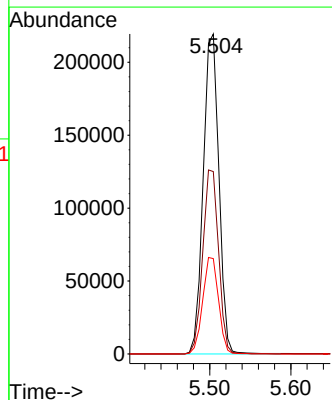
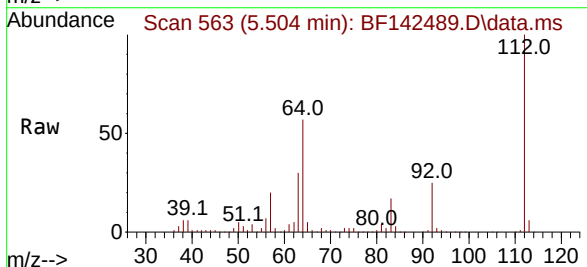
Instrument :
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 ClientSampleId :
 SS-MW1-11.5

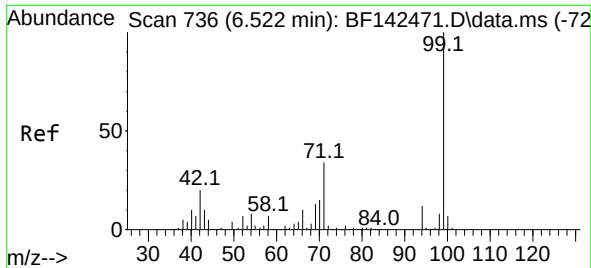
Tgt Ion:152 Resp: 59263
 Ion Ratio Lower Upper
 152 100
 150 154.9 128.2 192.4
 115 56.7 48.3 72.5



#5
 2-Fluorophenol
 Concen: 83.701 ng
 RT: 5.504 min Scan# 563
 Delta R.T. -0.012 min
 Lab File: BF142489.D
 Acq: 21 May 2025 16:03

Tgt Ion:112 Resp: 294426
 Ion Ratio Lower Upper
 112 100
 64 57.0 47.5 71.3
 63 29.8 24.9 37.3

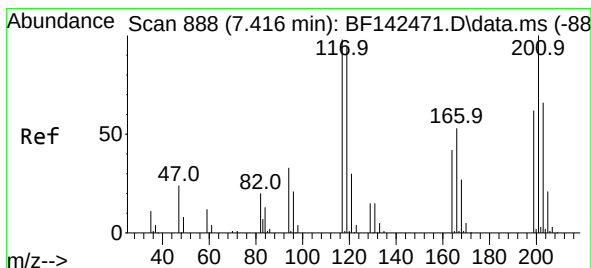
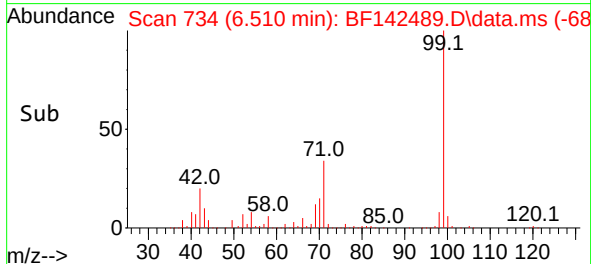
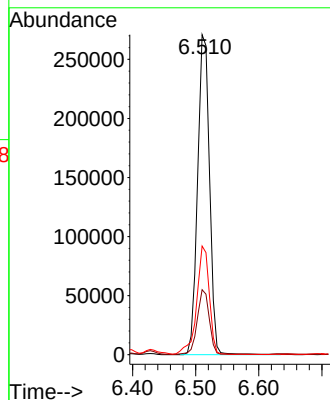
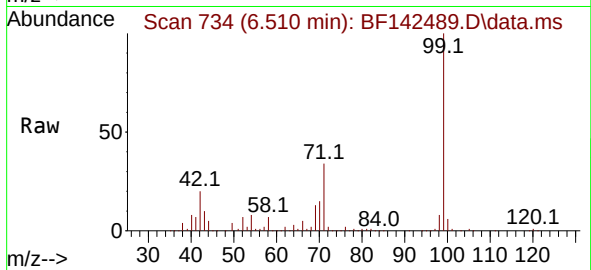




#7
Phenol-d6
Concen: 83.674 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.023 min
Lab File: BF142489.D
Acq: 21 May 2025 16:03

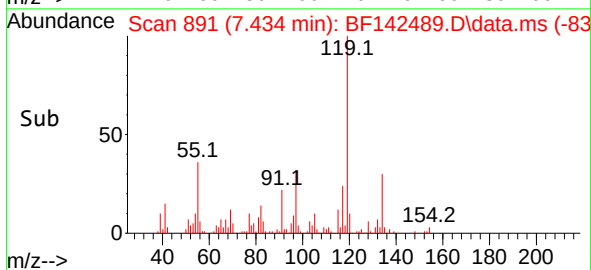
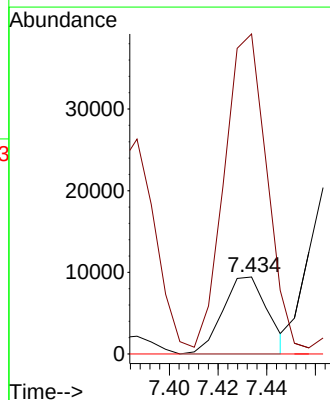
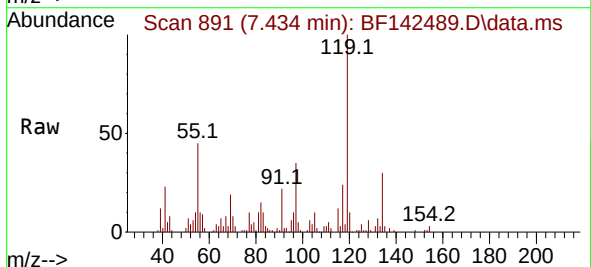
Instrument :
BNA_F
ClientSampleId :
SS-MW1-11.5

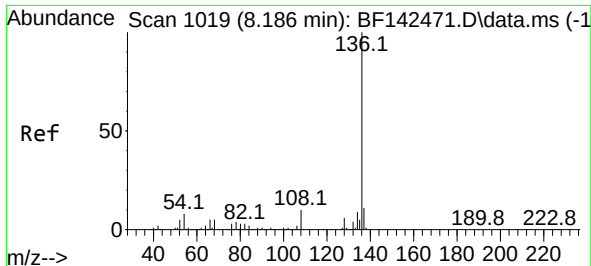
Tgt Ion: 99 Resp: 354305
Ion Ratio Lower Upper
99 100
42 20.3 16.2 24.2
71 34.0 27.3 40.9



#18
Hexachloroethane
Concen: 8.010 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.018 min
Lab File: BF142489.D
Acq: 21 May 2025 16:03

Tgt Ion: 117 Resp: 12045
Ion Ratio Lower Upper
117 100
119 416.0 76.6 114.8#
201 0.0 81.3 121.9#

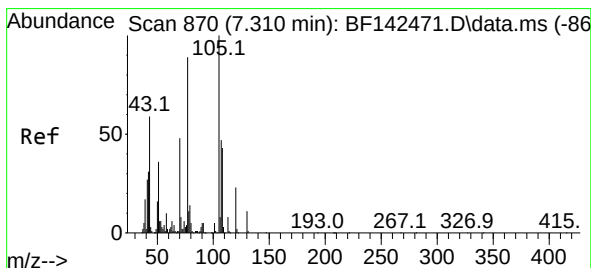
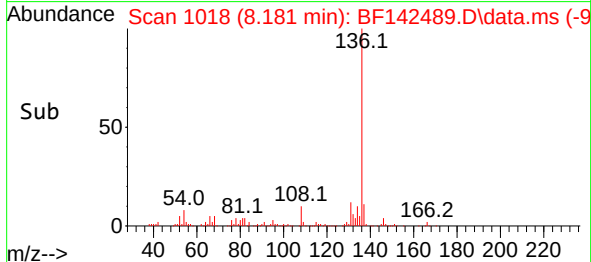
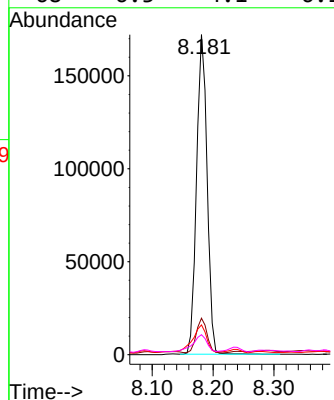
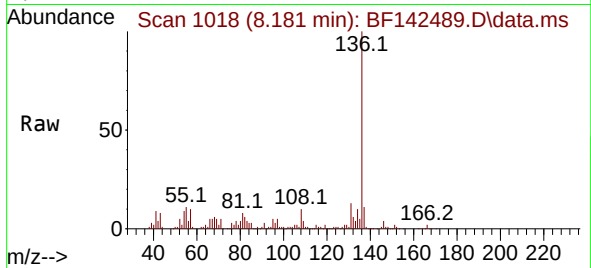




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142489.D
Acq: 21 May 2025 16:03

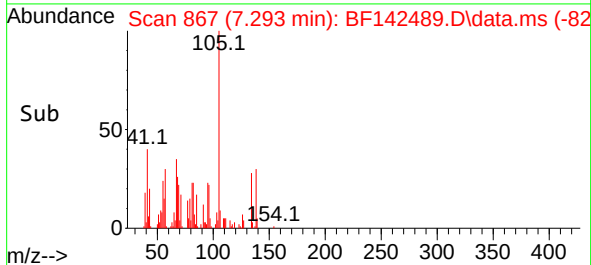
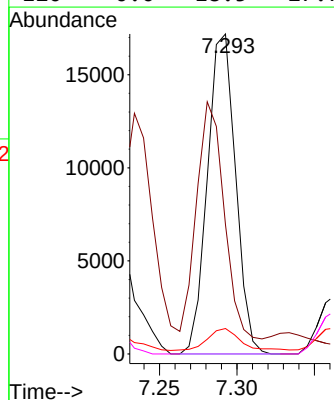
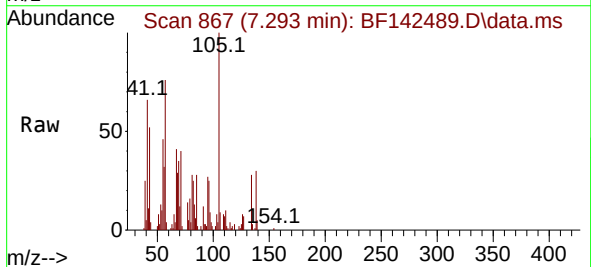
Instrument :
BNA_F
ClientSampleId :
SS-MW1-11.5

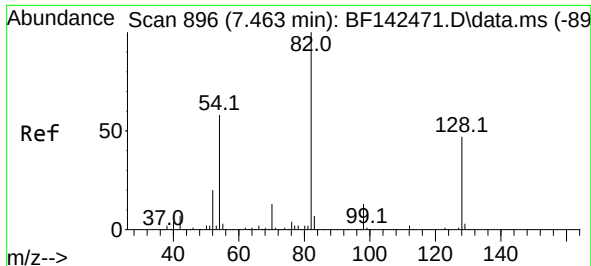
Tgt Ion:136 Resp: 206974
Ion Ratio Lower Upper
136 100
137 11.4 8.6 13.0
54 9.3 6.6 10.0
68 6.3 4.1 6.1#



#22
Acetophenone
Concen: 4.745 ng
RT: 7.293 min Scan# 867
Delta R.T. -0.023 min
Lab File: BF142489.D
Acq: 21 May 2025 16:03

Tgt Ion:105 Resp: 21742
Ion Ratio Lower Upper
105 100
71 40.4 6.4 9.6#
51 7.9 28.6 42.8#
120 0.0 18.5 27.7#





#23

Nitrobenzene-d5

Concen: 53.262 ng

RT: 7.457 min Scan# 89

Delta R.T. -0.017 min

Lab File: BF142489.D

Acq: 21 May 2025 16:03

Instrument :

BNA_F

ClientSampleId :

SS-MW1-11.5

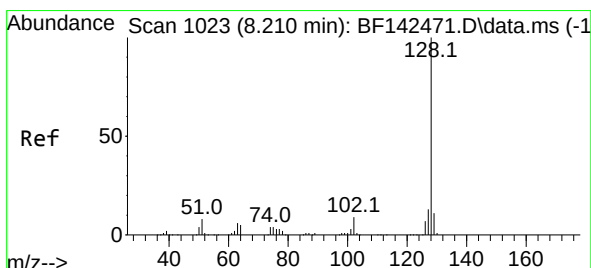
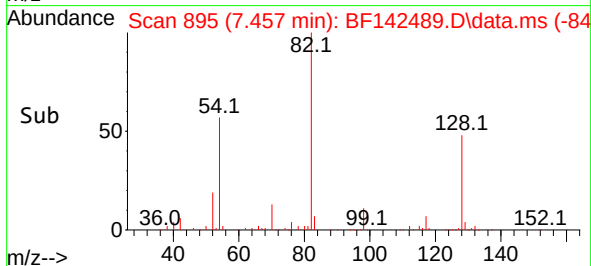
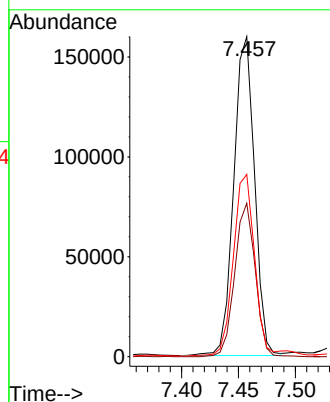
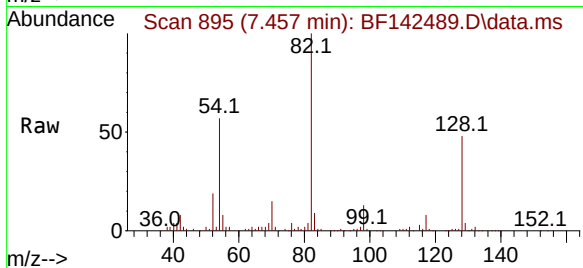
Tgt Ion: 82 Resp: 202164

Ion Ratio Lower Upper

82 100

128 47.9 37.4 56.2

54 57.0 46.6 70.0



#31

Naphthalene

Concen: 2.624 ng

RT: 8.204 min Scan# 1022

Delta R.T. -0.006 min

Lab File: BF142489.D

Acq: 21 May 2025 16:03

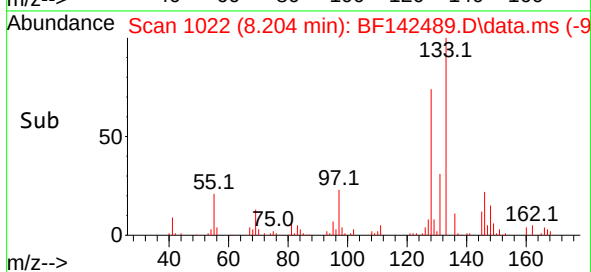
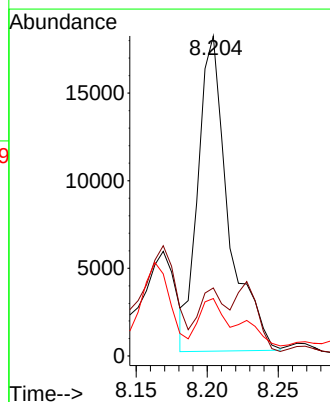
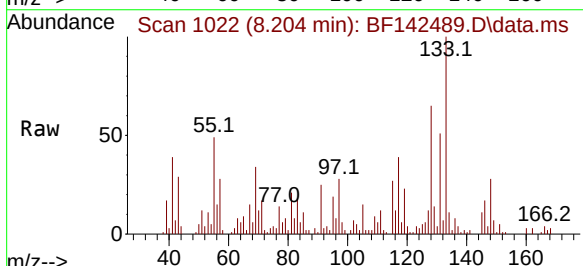
Tgt Ion:128 Resp: 26740

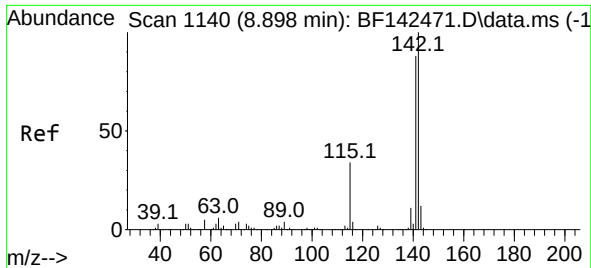
Ion Ratio Lower Upper

128 100

129 21.3 8.9 13.3#

127 18.0 10.5 15.7#

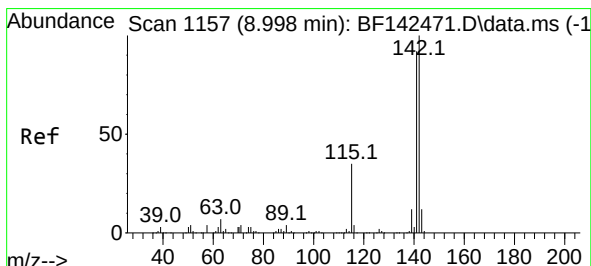
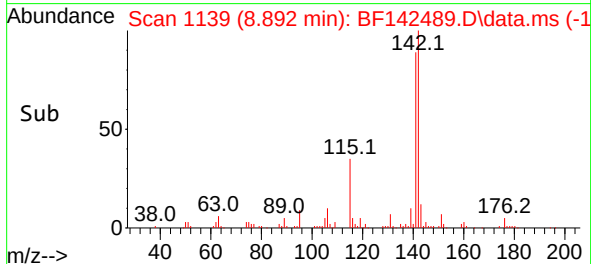
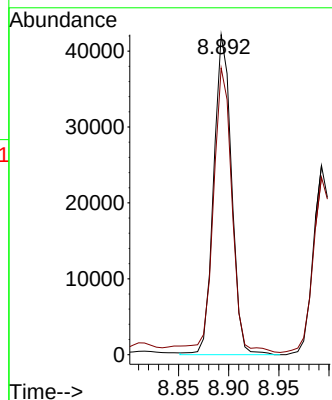
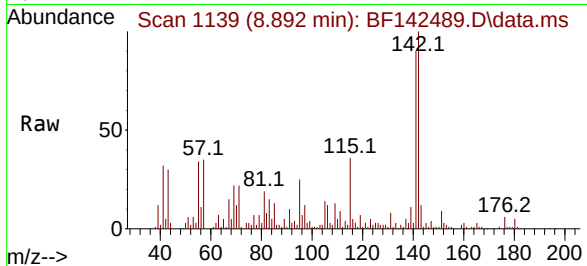




#37
2-Methylnaphthalene
Concen: 8.150 ng
RT: 8.892 min Scan# 1139
Delta R.T. -0.006 min
Lab File: BF142489.D
Acq: 21 May 2025 16:03

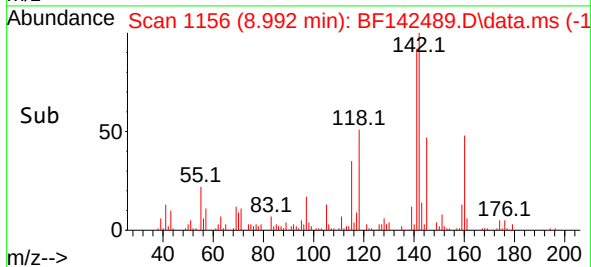
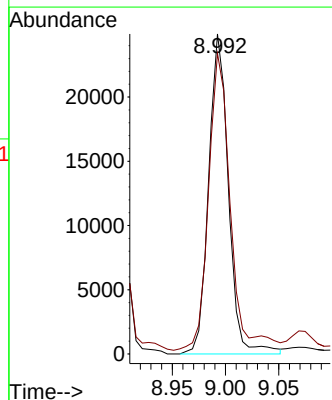
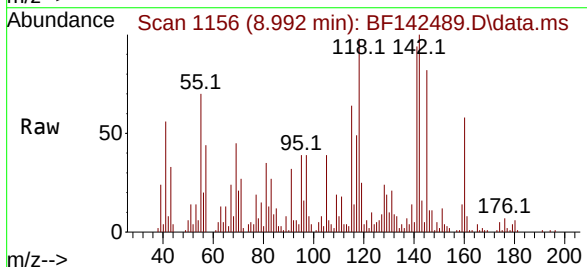
Instrument :
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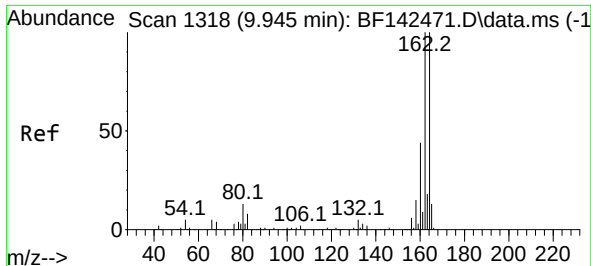
Tgt Ion:142 Resp: 52255
Ion Ratio Lower Upper
142 100
141 89.6 70.7 106.1



#38
1-Methylnaphthalene
Concen: 4.860 ng
RT: 8.992 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF142489.D
Acq: 21 May 2025 16:03

Tgt Ion:142 Resp: 32230
Ion Ratio Lower Upper
142 100
141 93.9 73.4 110.2

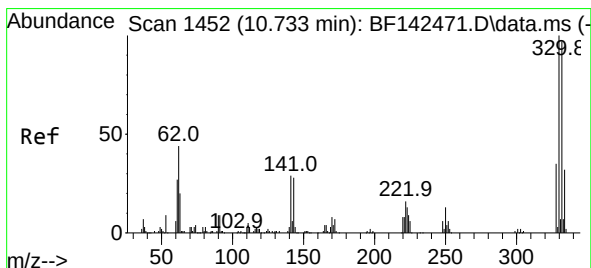
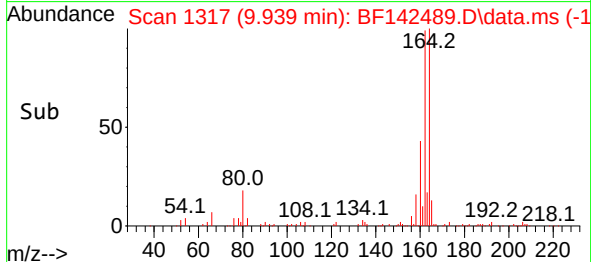
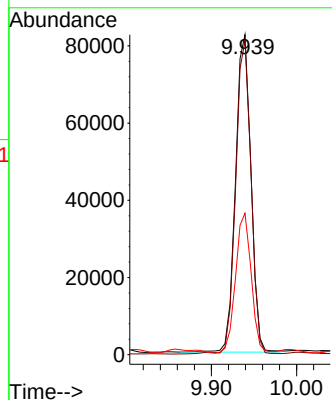
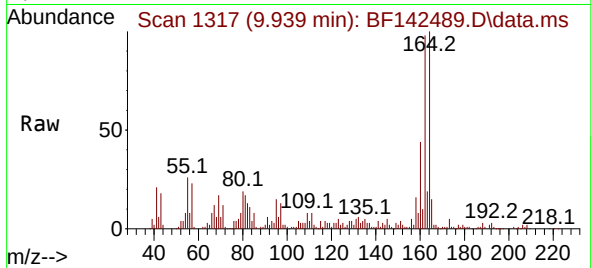




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142489.D
Acq: 21 May 2025 16:03

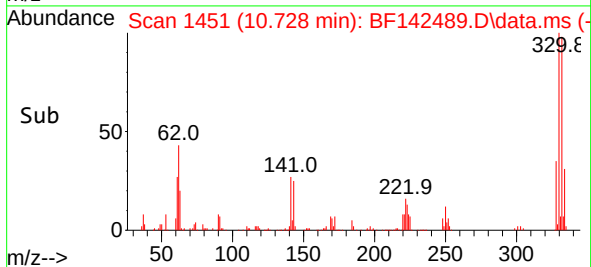
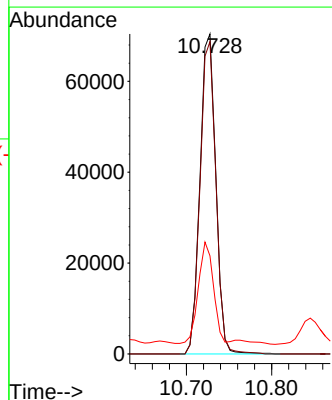
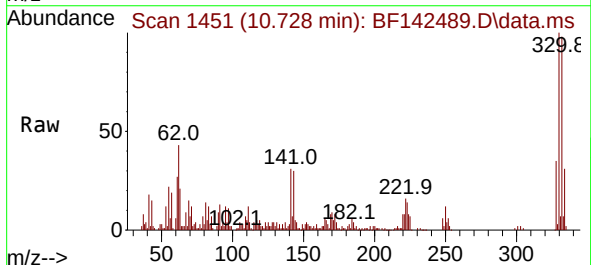
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BNA_F
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SS-MW1-11.5

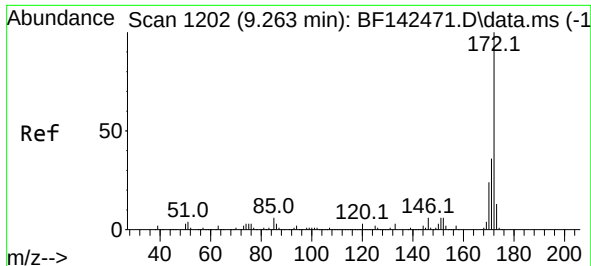
Tgt Ion:164 Resp: 103588
Ion Ratio Lower Upper
164 100
162 98.1 80.2 120.4
160 44.2 35.6 53.4



#42
2,4,6-Tribromophenol
Concen: 78.863 ng
RT: 10.728 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF142489.D
Acq: 21 May 2025 16:03

Tgt Ion:330 Resp: 90668
Ion Ratio Lower Upper
330 100
332 97.8 77.6 116.4
141 30.2 24.6 36.8

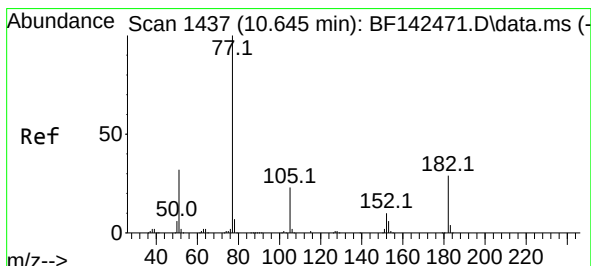
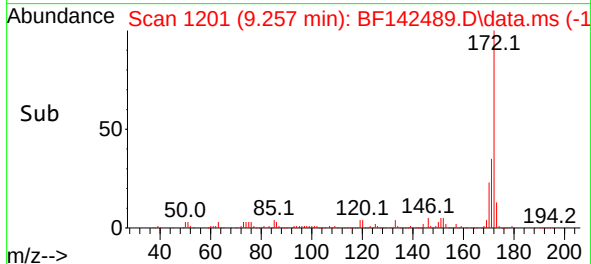
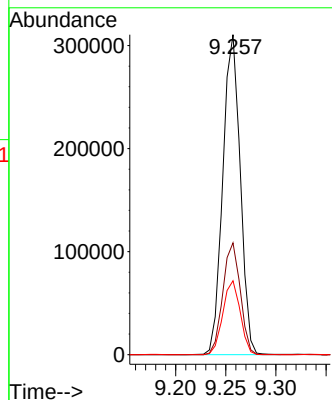
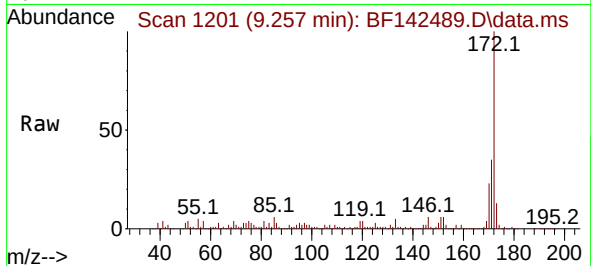




#45
2-Fluorobiphenyl
Concen: 48.596 ng
RT: 9.257 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF142489.D
Acq: 21 May 2025 16:03

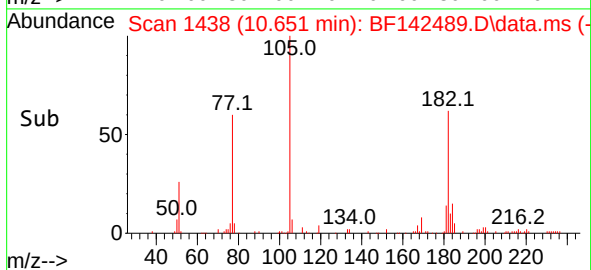
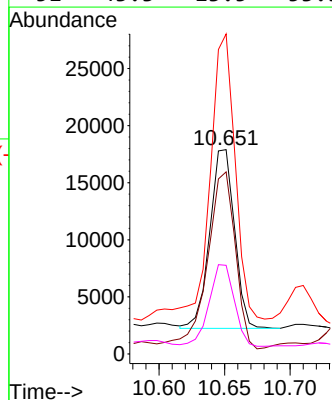
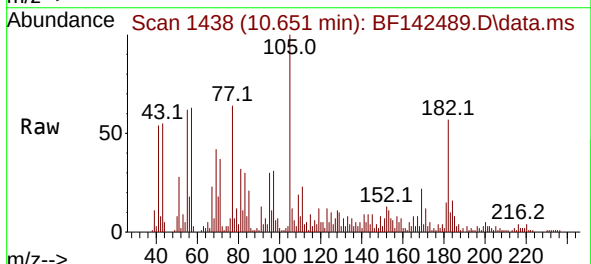
Instrument :
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ClientSampleId :
SS-MW1-11.5

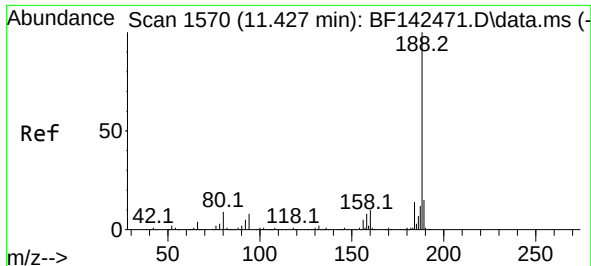
Tgt Ion:172 Resp: 375145
Ion Ratio Lower Upper
172 100
171 34.9 28.6 42.8
170 23.1 18.9 28.3



#63
Azobenzene
Concen: 3.422 ng
RT: 10.651 min Scan# 1438
Delta R.T. 0.006 min
Lab File: BF142489.D
Acq: 21 May 2025 16:03

Tgt Ion: 77 Resp: 20519
Ion Ratio Lower Upper
77 100
182 89.1 9.0 49.0#
105 156.6 2.4 42.4#
51 43.3 13.5 53.5

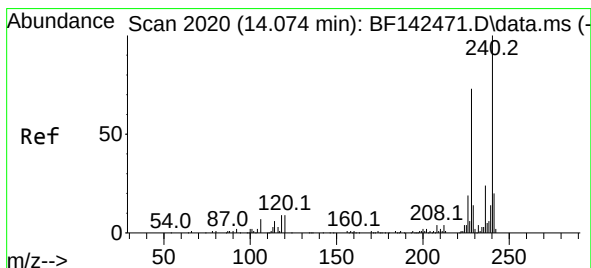
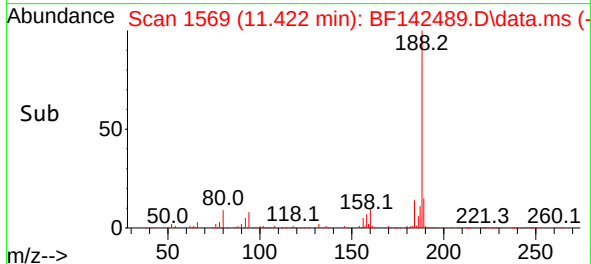
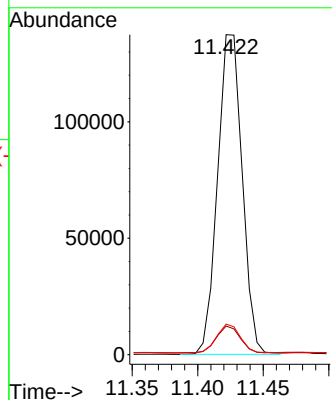
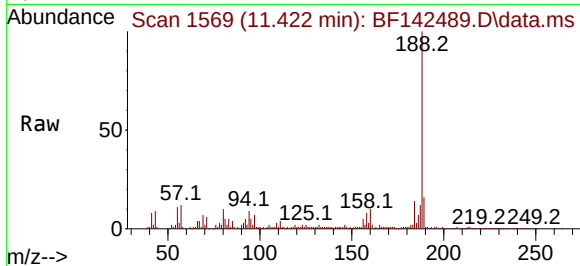




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF142489.D
Acq: 21 May 2025 16:03

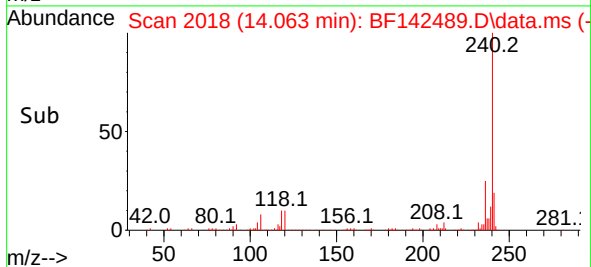
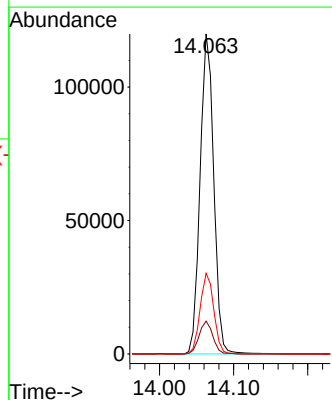
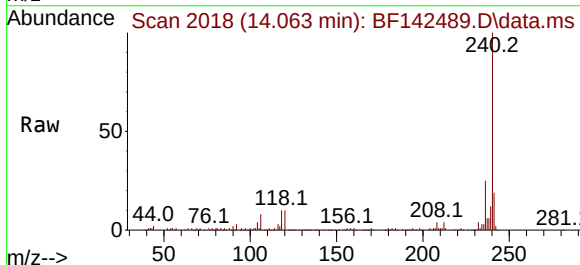
Instrument :
BNA_F
ClientSampleId :
SS-MW1-11.5

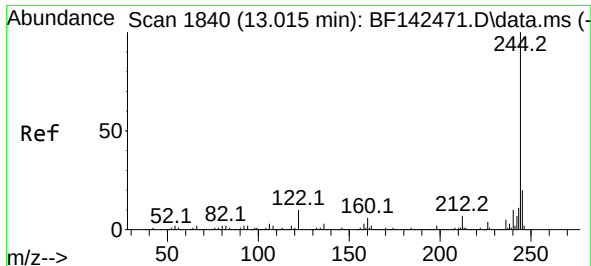
Tgt Ion:188 Resp: 179364
Ion Ratio Lower Upper
188 100
94 8.9 6.6 10.0
80 9.6 7.4 11.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142489.D
Acq: 21 May 2025 16:03

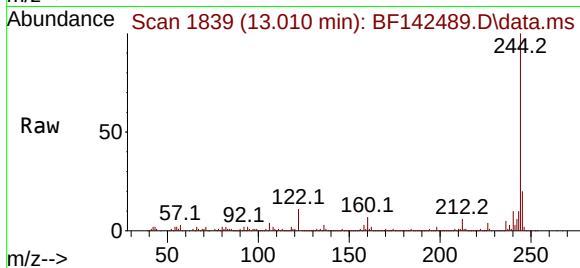
Tgt Ion:240 Resp: 153166
Ion Ratio Lower Upper
240 100
120 10.3 7.5 11.3
236 25.2 19.6 29.4



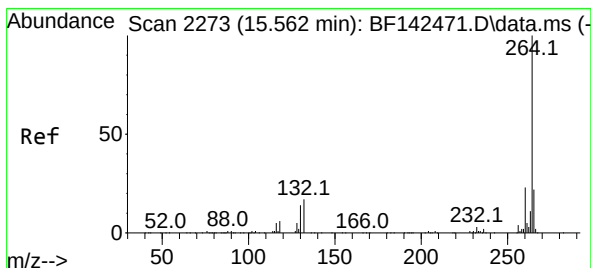
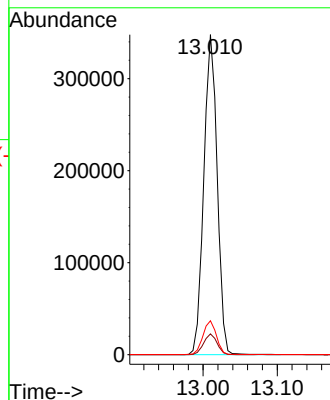
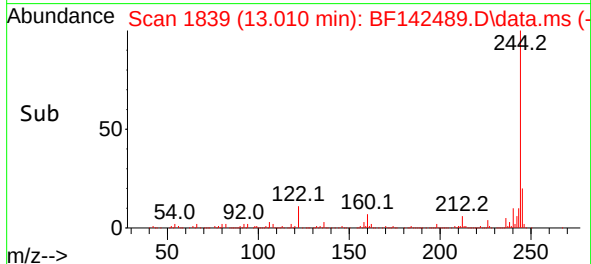


#79
 Terphenyl-d14
 Concen: 38.899 ng
 RT: 13.010 min Scan# 1839
 Delta R.T. -0.006 min
 Lab File: BF142489.D
 Acq: 21 May 2025 16:03

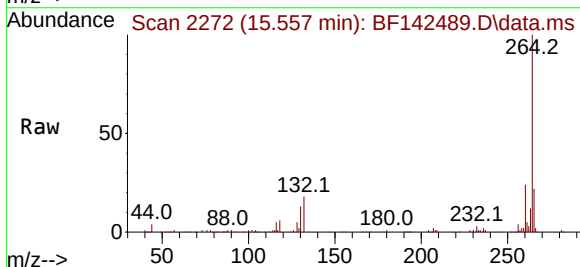
Instrument :
 BNA_F
 ClientSampleId :
 SS-MW1-11.5



Tgt Ion:	244	Resp:	435991
Ion Ratio	Lower	Upper	
244	100		
212	6.5	5.3	7.9
122	10.6	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: BF142489.D
 Acq: 21 May 2025 16:03



Tgt Ion:	264	Resp:	125915
Ion Ratio	Lower	Upper	
264	100		
260	23.6	18.6	28.0
265	21.7	17.7	26.5

