

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060525\
 Data File : BF142631.D
 Acq On : 05 Jun 2025 13:37
 Operator : RC/JU
 Sample : Q2185-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 05 14:04:29 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)

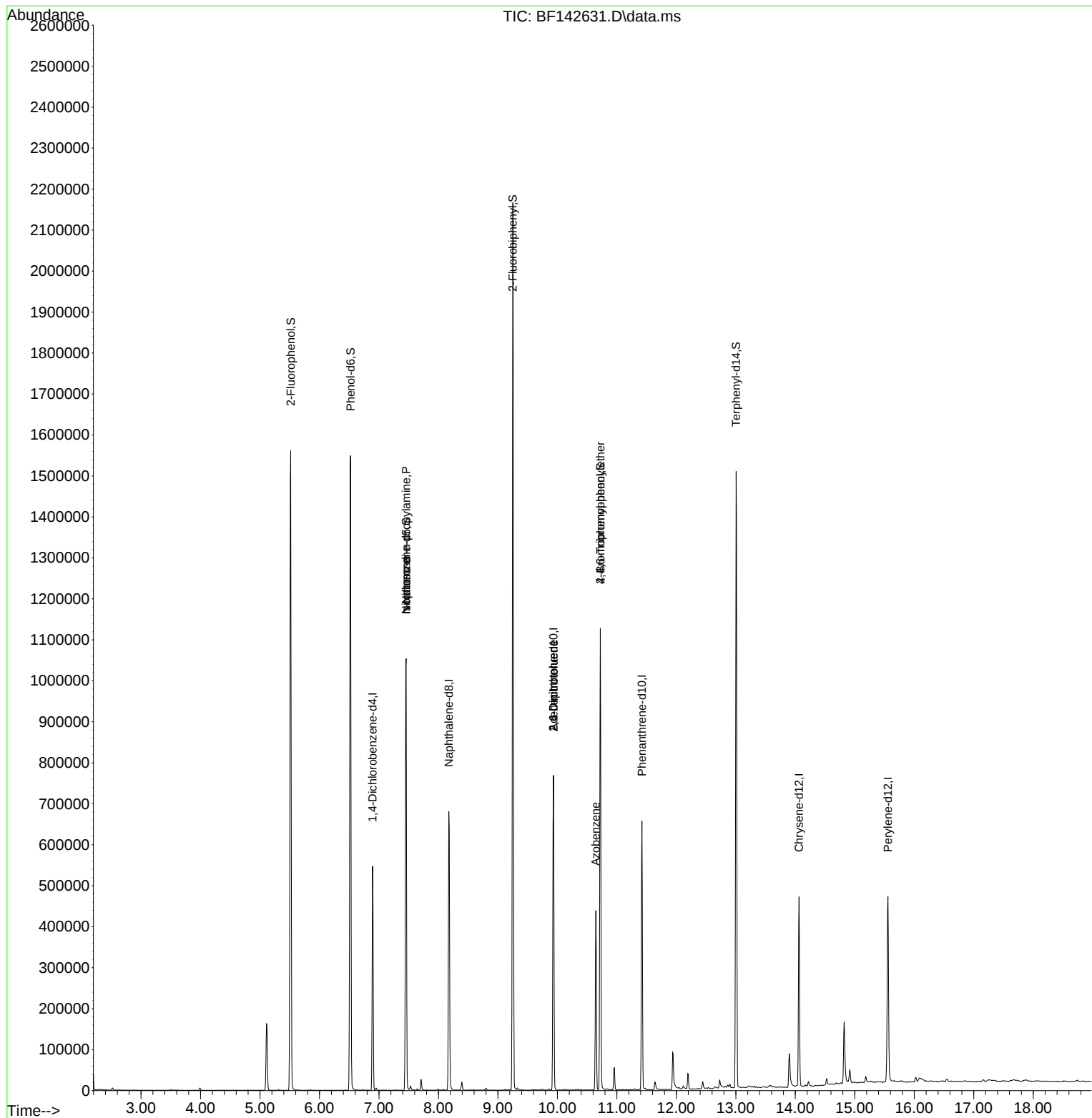
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	120388	20.000	ng	-0.01
21) Naphthalene-d8	8.175	136	451514	20.000	ng	-0.01
39) Acenaphthene-d10	9.934	164	228250	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	341377	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	228587	20.000	ng	-0.01
86) Perylene-d12	15.557	264	269245	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	622807	87.158	ng	0.00
7) Phenol-d6	6.522	99	759116	88.251	ng	-0.01
23) Nitrobenzene-d5	7.457	82	467795	56.495	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	199857	78.892	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	961636	56.534	ng	-0.02
79) Terphenyl-d14	13.004	244	739639	44.217	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	61463	11.529	ng	# 76
25) Isophorone	7.457	82	455922	32.933	ng	# 63
51) 2,6-Dinitrotoluene	9.934	165	29978	9.222	ng	# 27
57) 2,4-Dinitrotoluene	9.934	165	29978	7.062	ng	# 28
63) Azobenzene	10.645	77	102693	7.773	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	12339	3.057	ng	# 1

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

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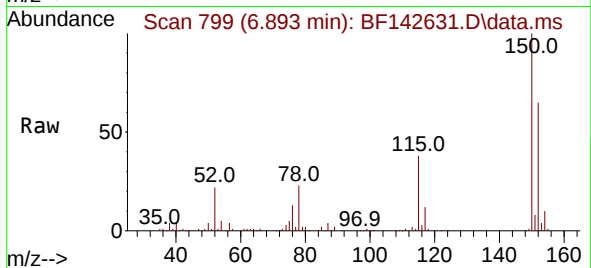
Quant Time: Jun 05 14:04:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
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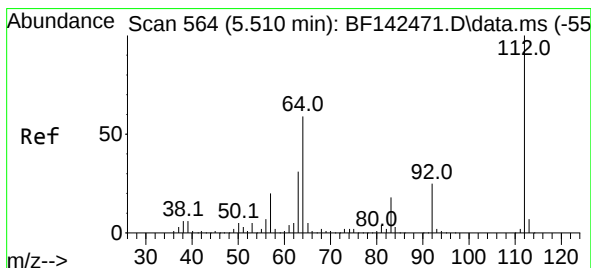
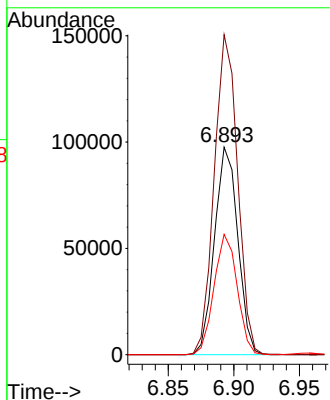
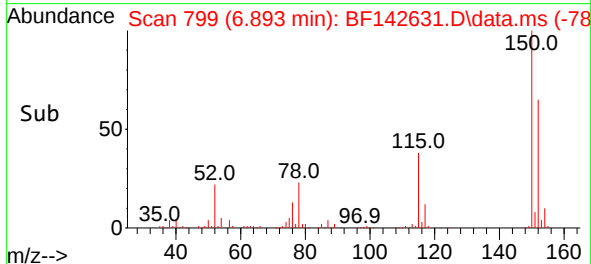


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.893 min Scan# 79
 Delta R.T. -0.011 min
 Lab File: BF142631.D
 Acq: 05 Jun 2025 13:37

Instrument :
 BNA_F
 ClientSampleId :

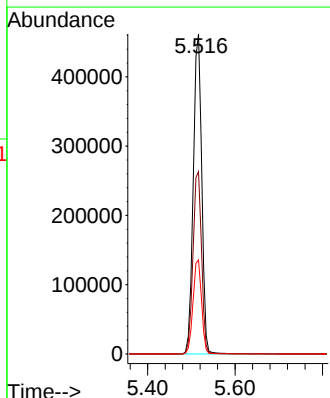
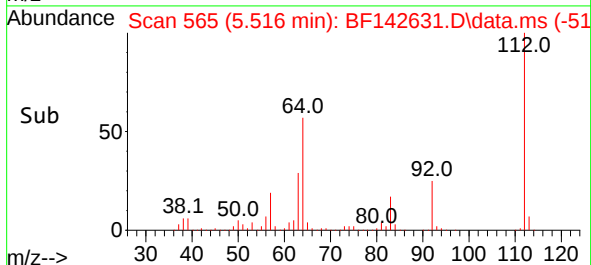
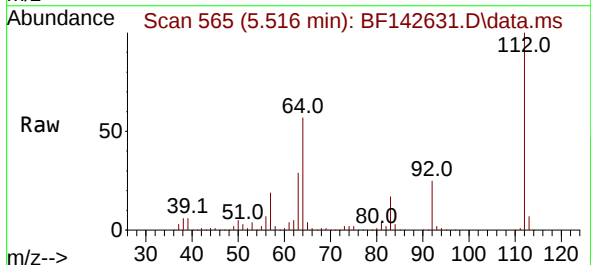


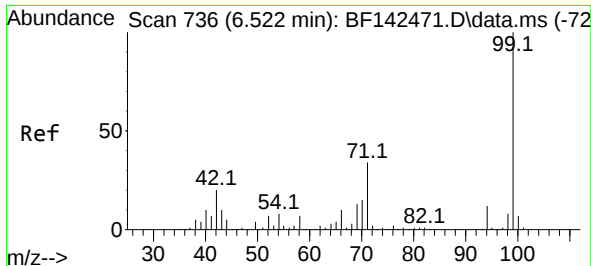
Tgt Ion:152 Resp: 120388
 Ion Ratio Lower Upper
 152 100
 150 154.1 128.2 192.4
 115 58.0 48.3 72.5



#5
 2-Fluorophenol
 Concen: 87.158 ng
 RT: 5.516 min Scan# 565
 Delta R.T. 0.000 min
 Lab File: BF142631.D
 Acq: 05 Jun 2025 13:37

Tgt Ion:112 Resp: 622807
 Ion Ratio Lower Upper
 112 100
 64 57.0 47.5 71.3
 63 29.4 24.9 37.3

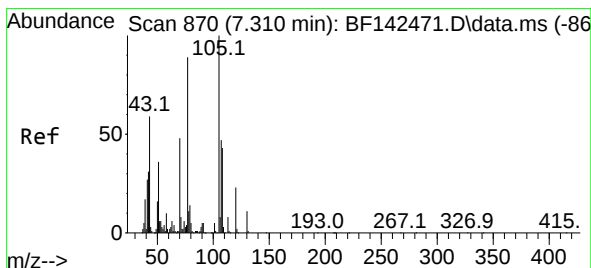
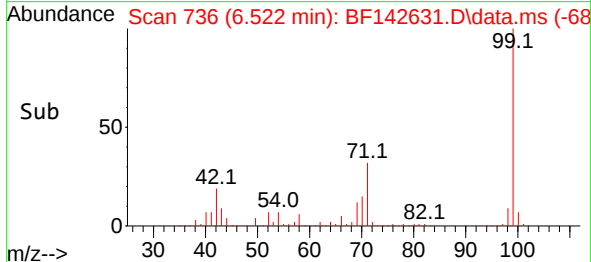
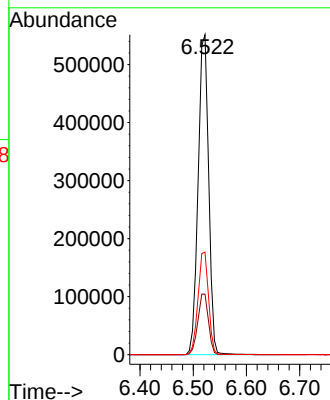
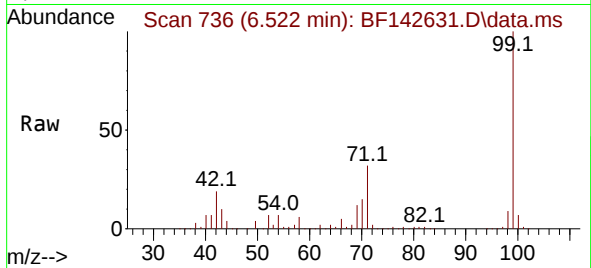




#7
Phenol-d6
Concen: 88.251 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142631.D
Acq: 05 Jun 2025 13:37

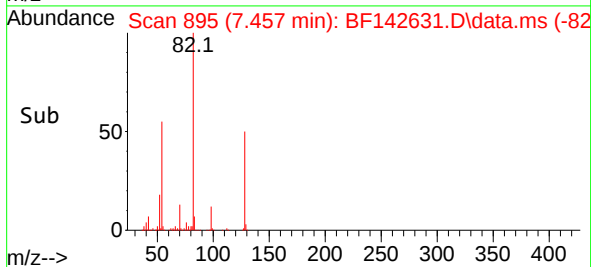
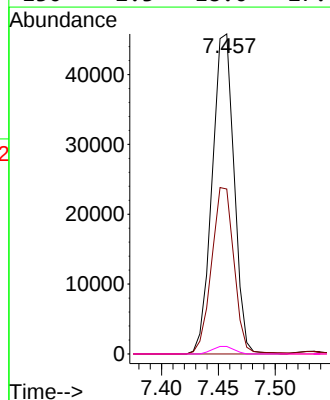
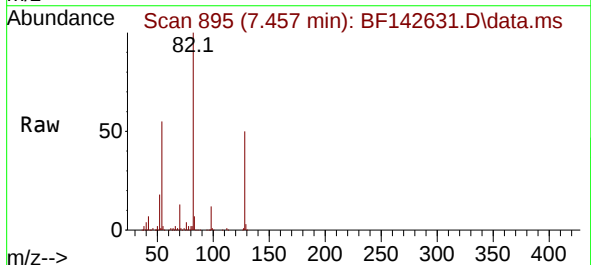
Instrument :
BNA_F
ClientSampleId :

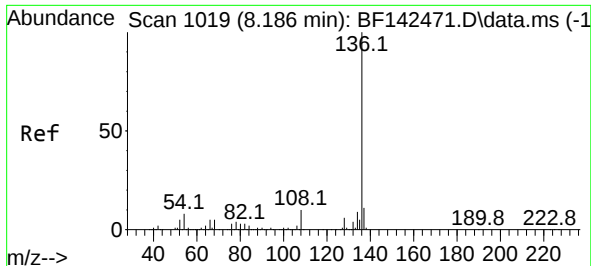
Tgt Ion: 99 Resp: 759116
Ion Ratio Lower Upper
99 100
42 18.9 16.2 24.2
71 32.1 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 11.529 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.130 min
Lab File: BF142631.D
Acq: 05 Jun 2025 13:37

Tgt Ion: 70 Resp: 61463
Ion Ratio Lower Upper
70 100
42 51.6 52.4 78.6#
101 0.0 7.8 11.8#
130 2.3 18.0 27.0#



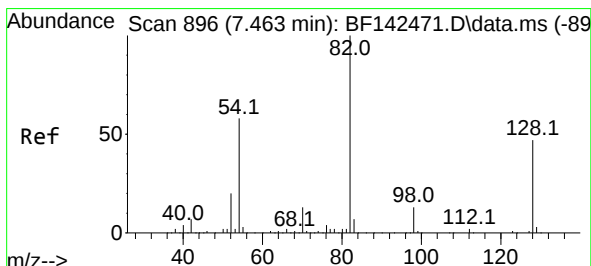
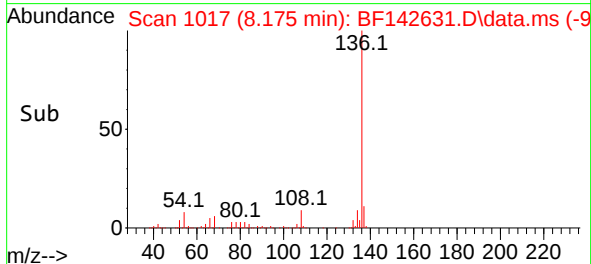
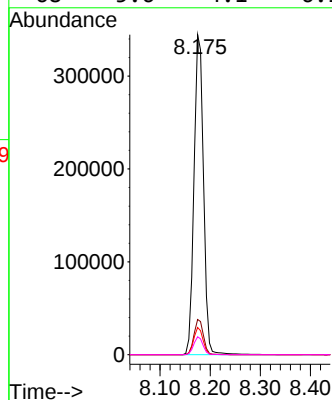
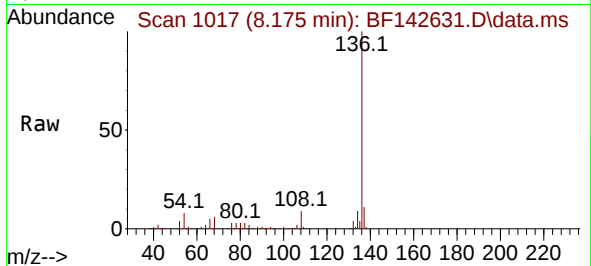


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1019
Delta R.T. -0.011 min
Lab File: BF142631.D
Acq: 05 Jun 2025 13:37

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 451514

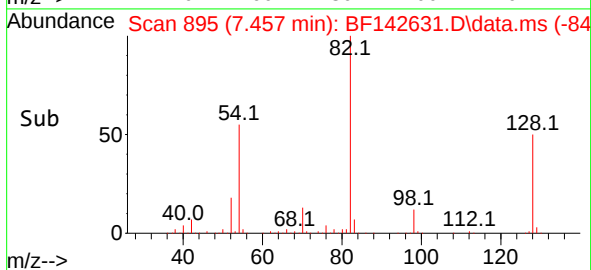
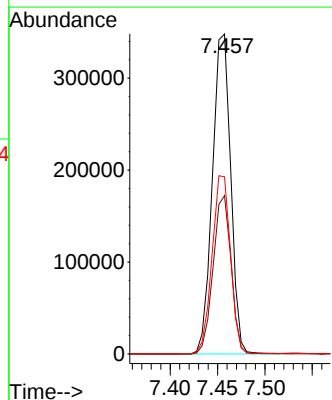
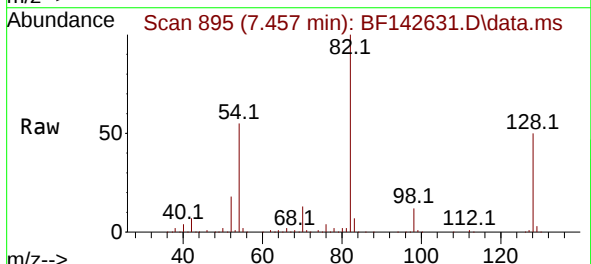
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	8.5	6.6	10.0
68	5.6	4.1	6.1



#23
Nitrobenzene-d5
Concen: 56.495 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.017 min
Lab File: BF142631.D
Acq: 05 Jun 2025 13:37

Tgt Ion: 82 Resp: 467795

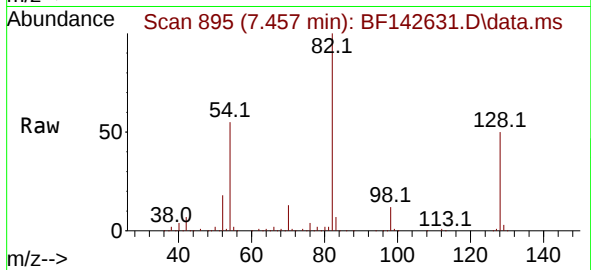
Ion	Ratio	Lower	Upper
82	100		
128	49.5	37.4	56.2
54	55.4	46.6	70.0



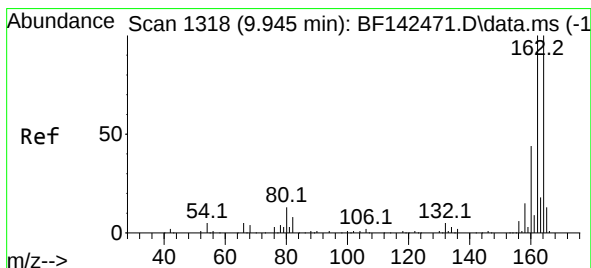
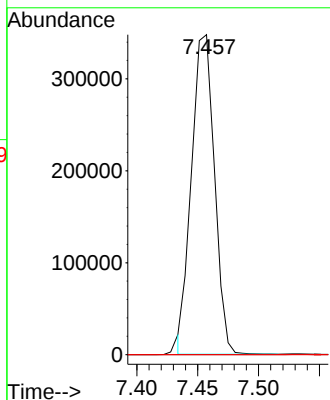
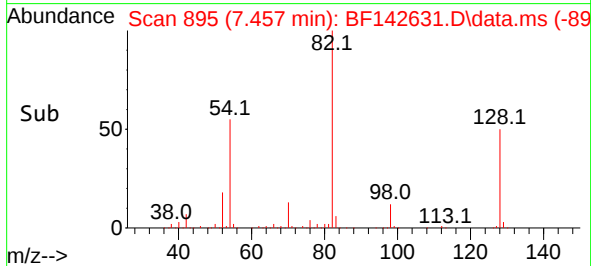


#25
Isophorone
Concen: 32.933 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.276 min
Lab File: BF142631.D
Acq: 05 Jun 2025 13:37

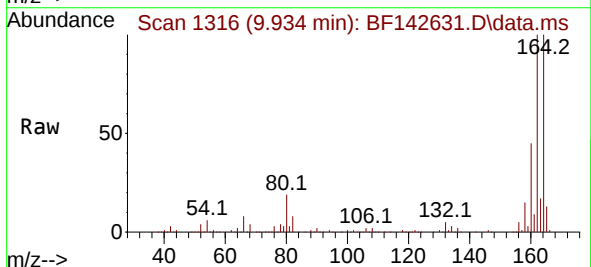
Instrument :
BNA_F
ClientSampleId :



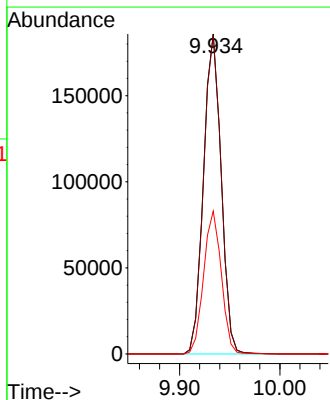
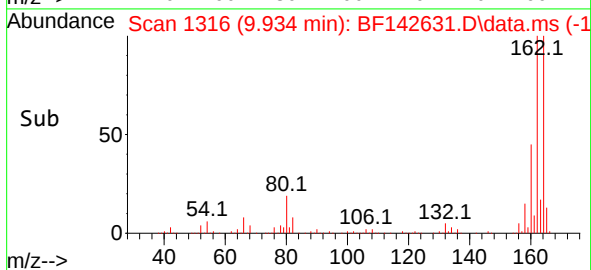
Tgt Ion: 82 Resp: 455922
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#

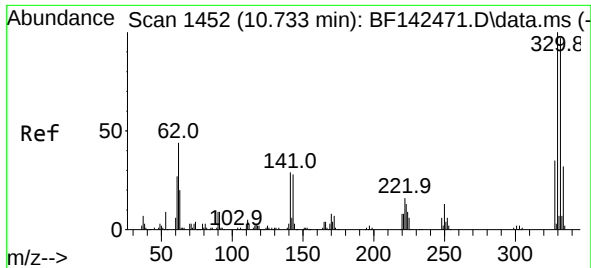


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1316
Delta R.T. -0.011 min
Lab File: BF142631.D
Acq: 05 Jun 2025 13:37



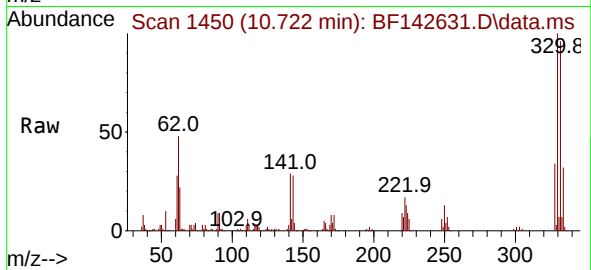
Tgt Ion:164 Resp: 228250
Ion Ratio Lower Upper
164 100
162 99.7 80.2 120.4
160 44.6 35.6 53.4



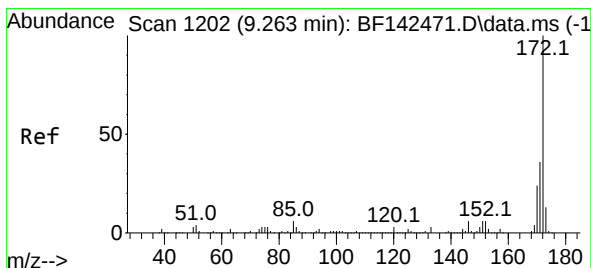
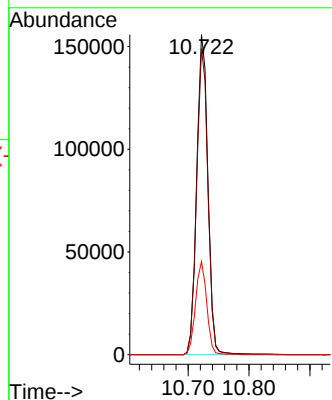
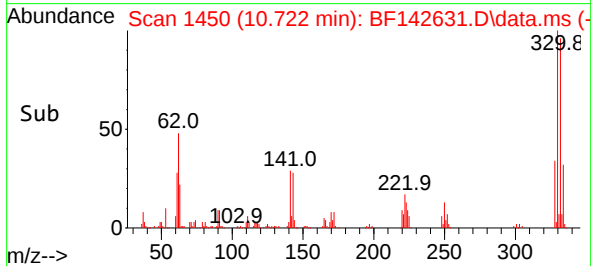


#42
 2,4,6-Tribromophenol
 Concen: 78.892 ng
 RT: 10.722 min Scan# 1452
 Delta R.T. -0.017 min
 Lab File: BF142631.D
 Acq: 05 Jun 2025 13:37

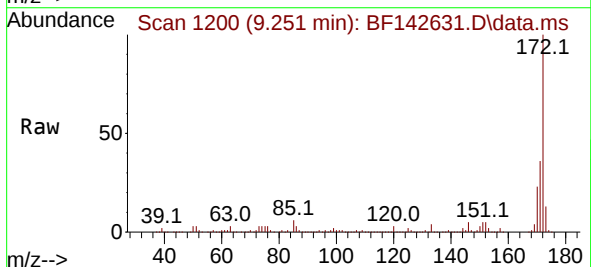
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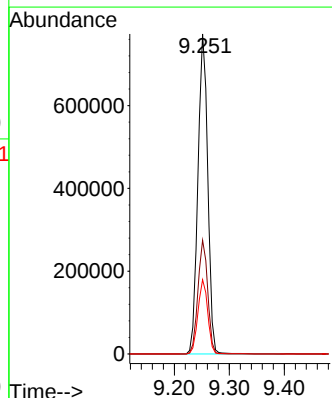
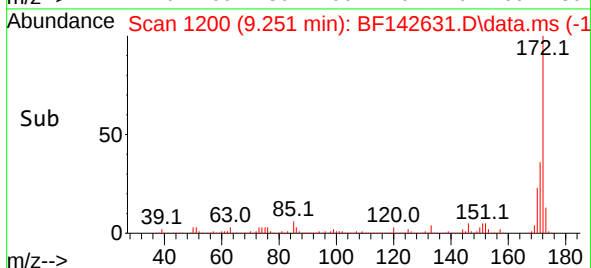
Tgt Ion:330 Resp: 199857
 Ion Ratio Lower Upper
 330 100
 332 95.4 77.6 116.4
 141 29.0 24.6 36.8

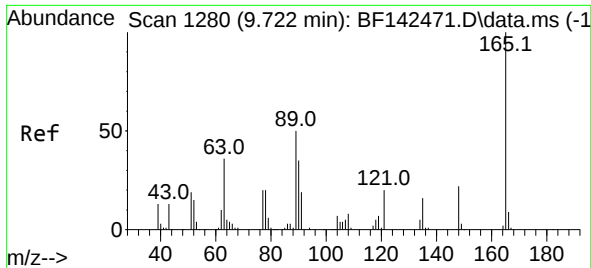


#45
 2-Fluorobiphenyl
 Concen: 56.534 ng
 RT: 9.251 min Scan# 1200
 Delta R.T. -0.017 min
 Lab File: BF142631.D
 Acq: 05 Jun 2025 13:37



Tgt Ion:172 Resp: 961636
 Ion Ratio Lower Upper
 172 100
 171 35.5 28.6 42.8
 170 23.2 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 9.222 ng

RT: 9.934 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF142631.D

Acq: 05 Jun 2025 13:37

Instrument :

BNA_F

ClientSampleId :

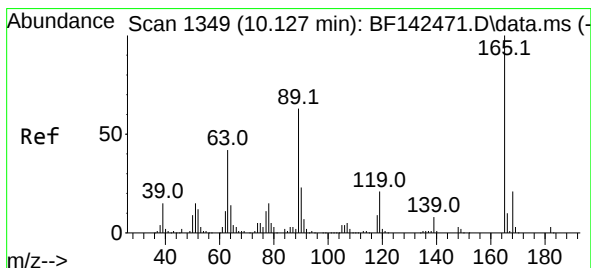
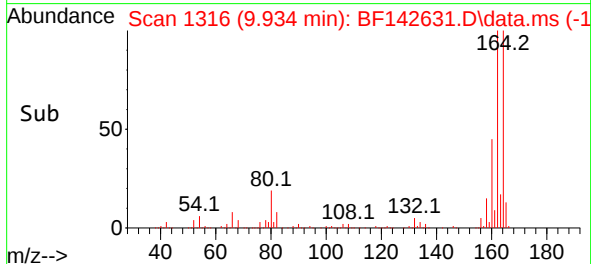
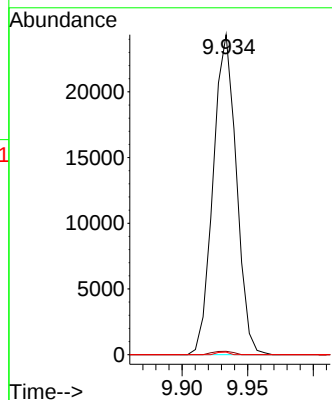
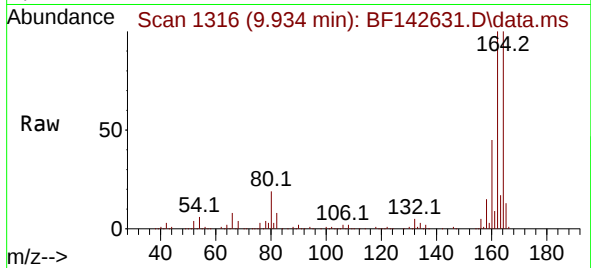
Tgt Ion:165 Resp: 29978

Ion Ratio Lower Upper

165 100

63 1.0 42.9 64.3#

89 0.8 40.2 60.4#



#57

2,4-Dinitrotoluene

Concen: 7.062 ng

RT: 9.934 min Scan# 1316

Delta R.T. -0.200 min

Lab File: BF142631.D

Acq: 05 Jun 2025 13:37

Tgt Ion:165 Resp: 29978

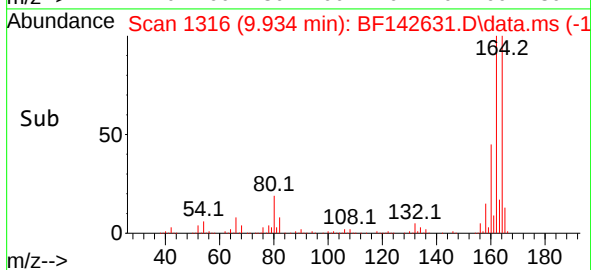
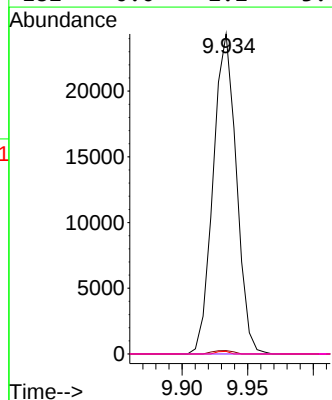
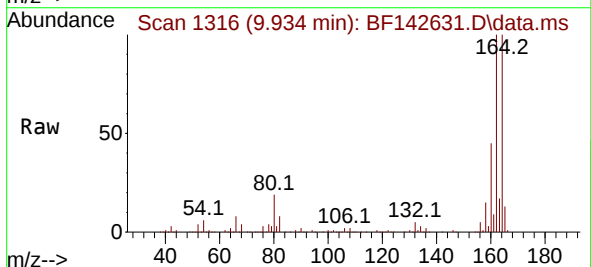
Ion Ratio Lower Upper

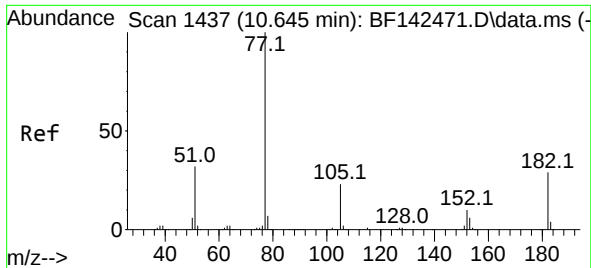
165 100

63 1.0 33.6 50.4#

89 0.8 50.2 75.4#

182 0.0 2.2 3.4#

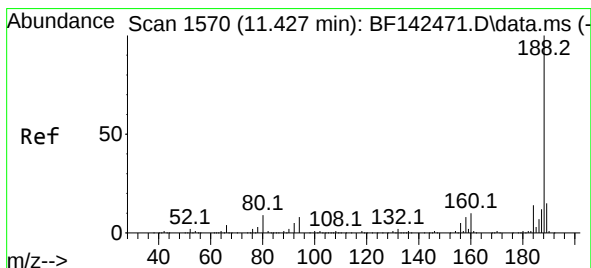
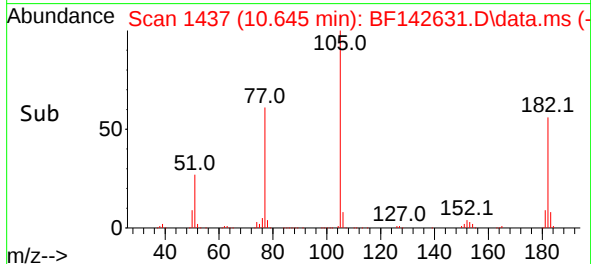
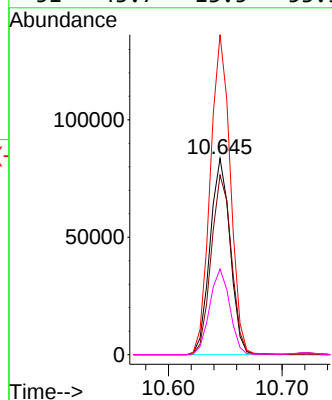
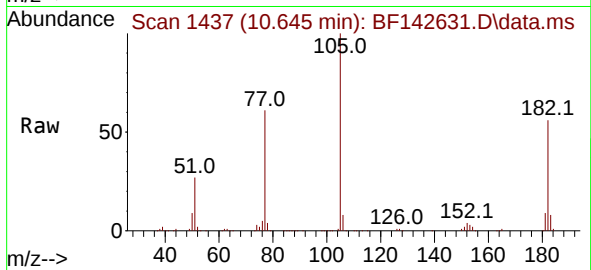




#63
 Azobenzene
 Concen: 7.773 ng
 RT: 10.645 min Scan# 14
 Delta R.T. 0.000 min
 Lab File: BF142631.D
 Acq: 05 Jun 2025 13:37

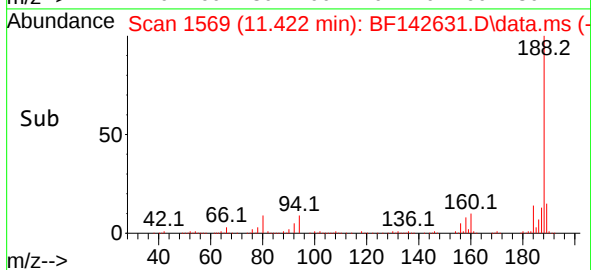
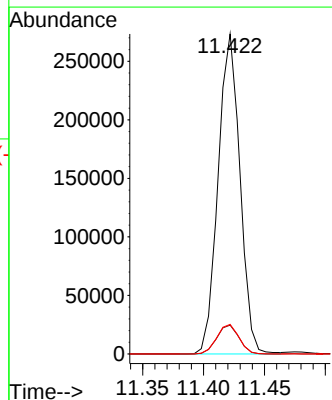
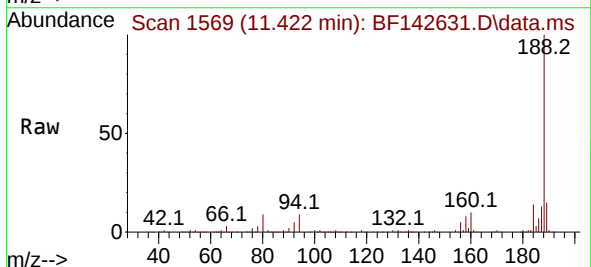
Instrument :
 BNA_F
 ClientSampleId :

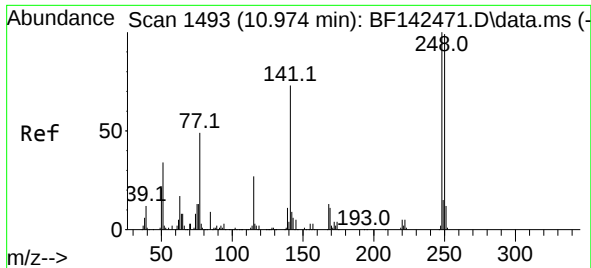
Tgt Ion: 77 Resp: 102693
 Ion Ratio Lower Upper
 77 100
 182 91.5 9.0 49.0#
 105 163.0 2.4 42.4#
 51 43.7 13.5 53.5



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.422 min Scan# 1569
 Delta R.T. -0.011 min
 Lab File: BF142631.D
 Acq: 05 Jun 2025 13:37

Tgt Ion: 188 Resp: 341377
 Ion Ratio Lower Upper
 188 100
 94 9.0 6.6 10.0
 80 9.3 7.4 11.0

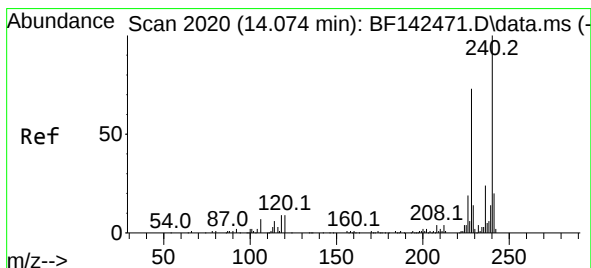
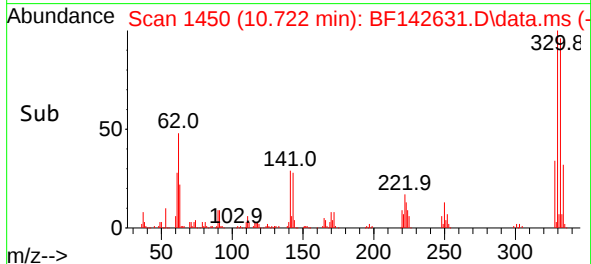
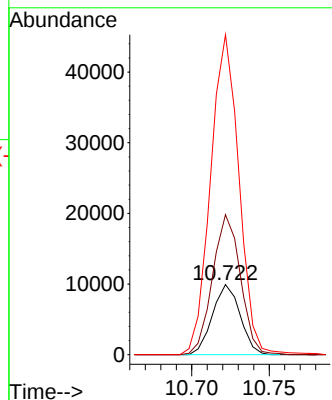
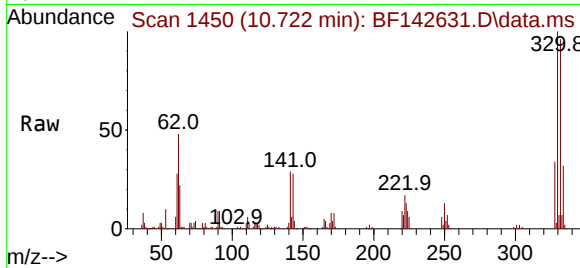




#67
4-Bromophenyl-phenylether
Concen: 3.057 ng
RT: 10.722 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF142631.D
Acq: 05 Jun 2025 13:37

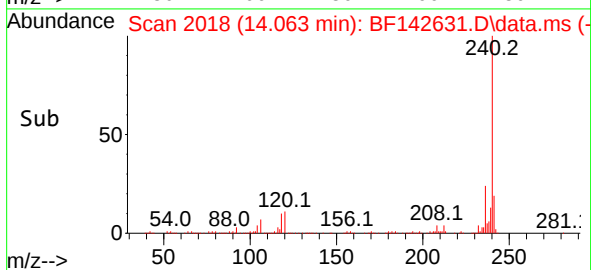
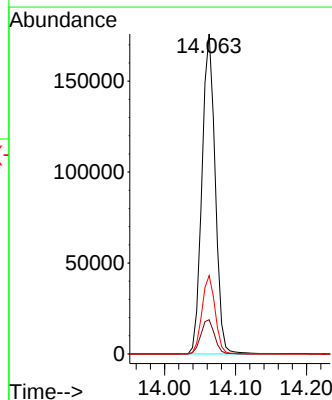
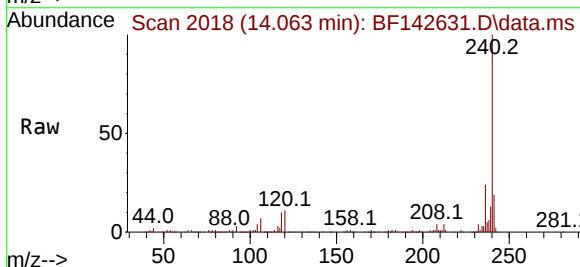
Instrument :
BNA_F
ClientSampleId :

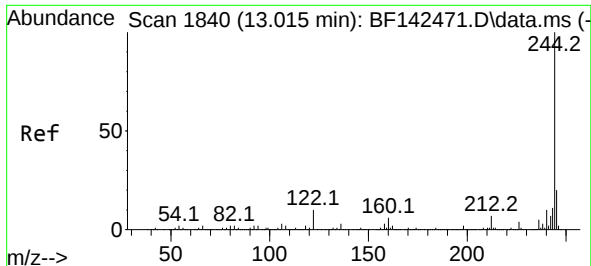
Tgt Ion:248 Resp: 12339
Ion Ratio Lower Upper
248 100
250 199.6 79.0 118.4#
141 456.2 58.4 87.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142631.D
Acq: 05 Jun 2025 13:37

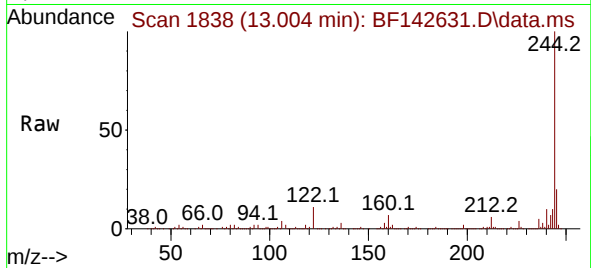
Tgt Ion:240 Resp: 228587
Ion Ratio Lower Upper
240 100
120 10.7 7.5 11.3
236 24.5 19.6 29.4



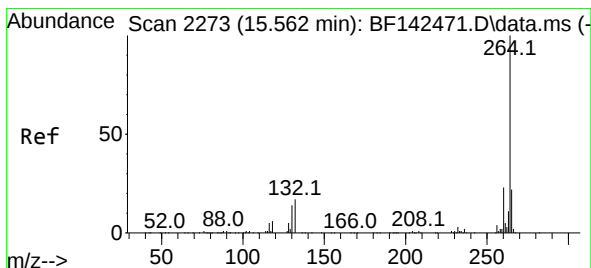
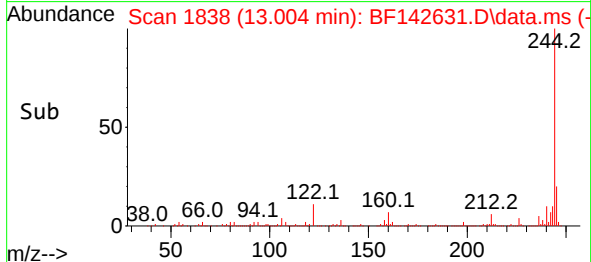
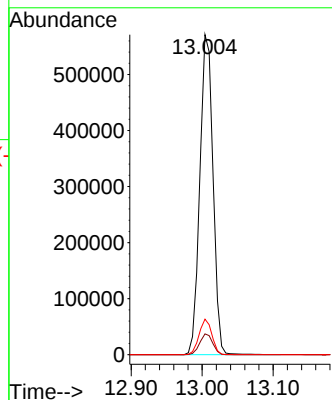


#79
 Terphenyl-d14
 Concen: 44.217 ng
 RT: 13.004 min Scan# 1838
 Delta R.T. -0.011 min
 Lab File: BF142631.D
 Acq: 05 Jun 2025 13:37

Instrument :
 BNA_F
 ClientSampleId :



Tgt Ion:244 Resp: 739639
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.3 7.9
 122 11.1 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: BF142631.D
 Acq: 05 Jun 2025 13:37

Tgt Ion:264 Resp: 269245
 Ion Ratio Lower Upper
 264 100
 260 22.9 18.6 28.0
 265 21.2 17.7 26.5

