

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060425\
 Data File : BF142609.D
 Acq On : 04 Jun 2025 16:17
 Operator : RC/JU
 Sample : Q2160-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 04 16:54:27 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)

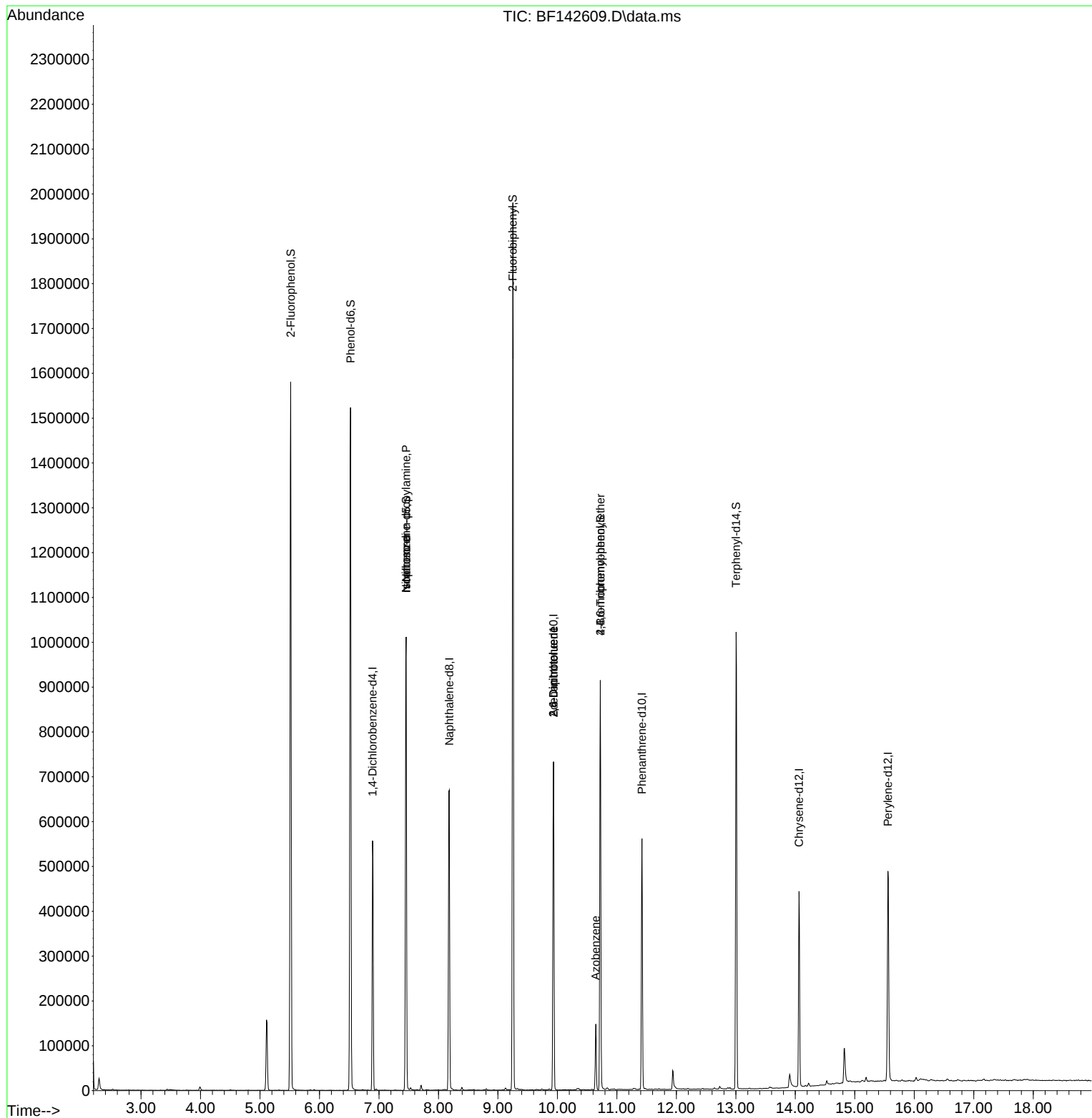
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	123193	20.000	ng	-0.01
21) Naphthalene-d8	8.181	136	452936	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	218817	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	291671	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	214987	20.000	ng	-0.01
86) Perylene-d12	15.557	264	281991	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	606179	82.899	ng	0.00
7) Phenol-d6	6.522	99	734121	83.402	ng	-0.01
23) Nitrobenzene-d5	7.457	82	442706	53.297	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	159652	65.738	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	883715	54.192	ng	-0.02
79) Terphenyl-d14	13.004	244	502295	31.928	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	58373	10.700	ng	# 76
25) Isophorone	7.457	82	406417	29.265	ng	# 63
51) 2,6-Dinitrotoluene	9.933	165	27633	8.867	ng	# 27
57) 2,4-Dinitrotoluene	9.933	165	27633	6.790	ng	# 28
63) Azobenzene	10.645	77	33855	2.673	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	10070	2.920	ng	# 1

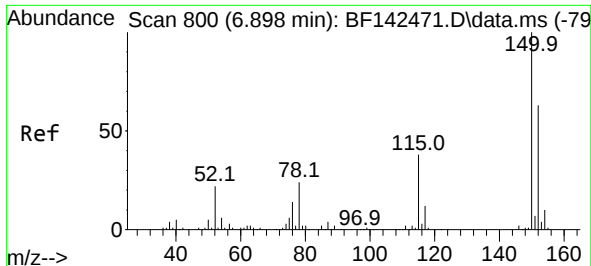
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BF142609.D
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Misc :
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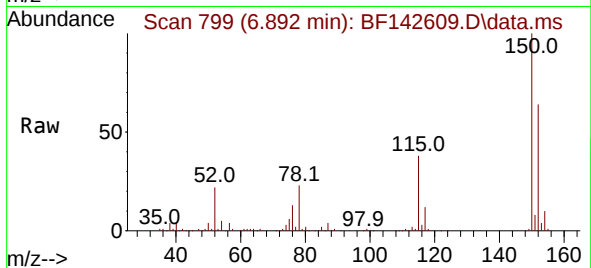
Quant Time: Jun 04 16:54:27 2025
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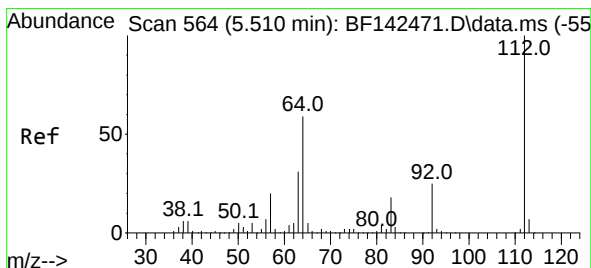
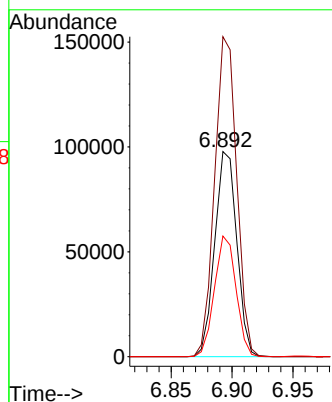
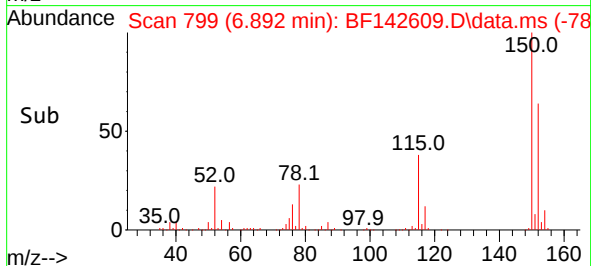


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.892 min Scan# 71
 Delta R.T. -0.012 min
 Lab File: BF142609.D
 Acq: 04 Jun 2025 16:17

Instrument :
 BNA_F
 ClientSampleId :

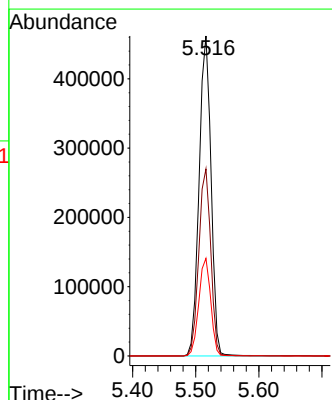
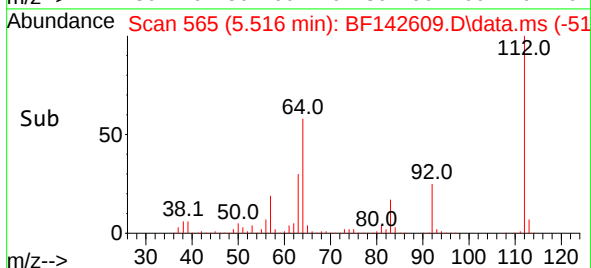
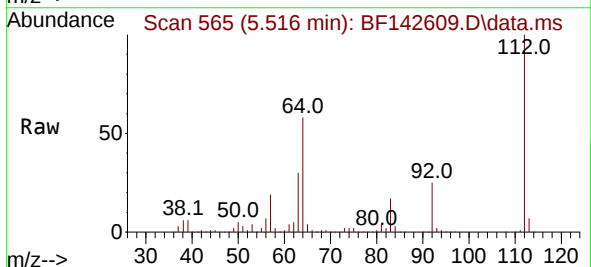


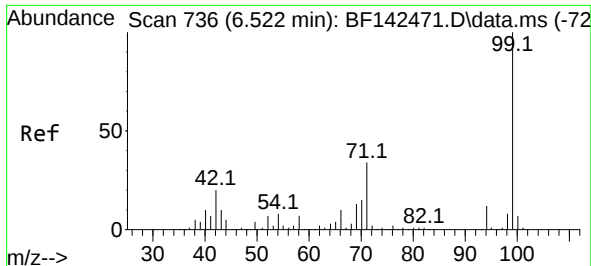
Tgt Ion:152 Resp: 123193
 Ion Ratio Lower Upper
 152 100
 150 156.0 128.2 192.4
 115 58.8 48.3 72.5



#5
 2-Fluorophenol
 Concen: 82.899 ng
 RT: 5.516 min Scan# 565
 Delta R.T. 0.000 min
 Lab File: BF142609.D
 Acq: 04 Jun 2025 16:17

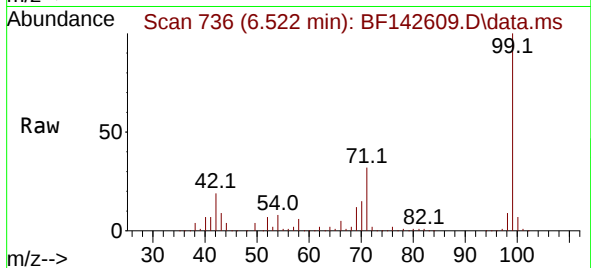
Tgt Ion:112 Resp: 606179
 Ion Ratio Lower Upper
 112 100
 64 58.5 47.5 71.3
 63 30.5 24.9 37.3



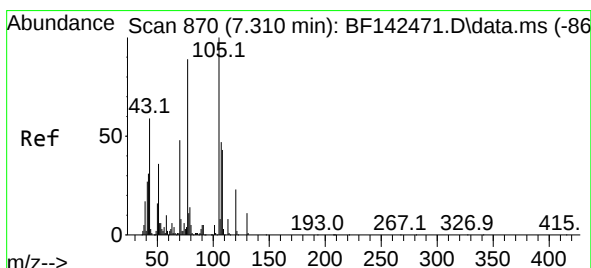
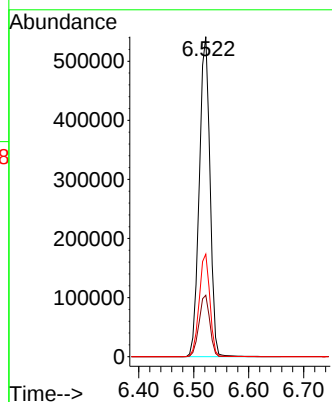
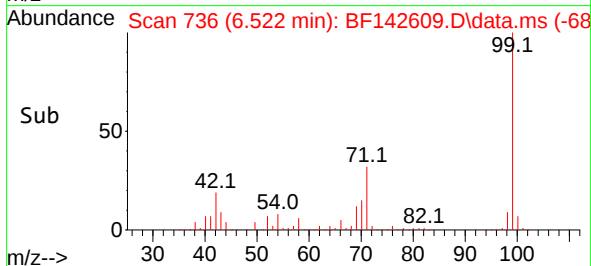


#7
Phenol-d6
Concen: 83.402 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142609.D
Acq: 04 Jun 2025 16:17

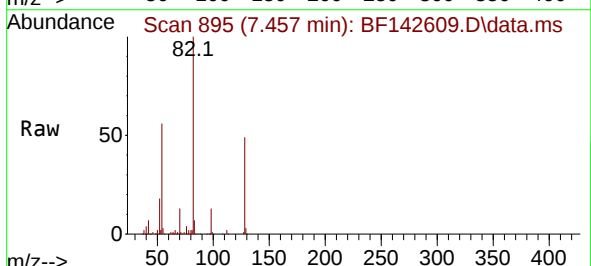
Instrument :
BNA_F
ClientSampleId :



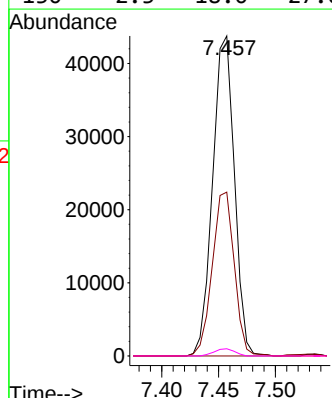
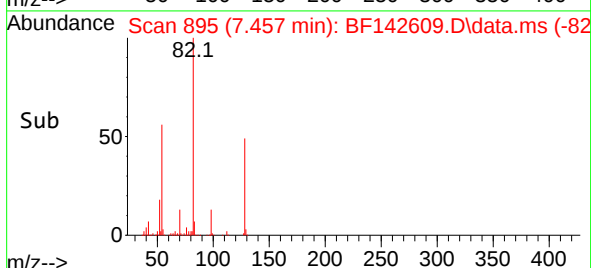
Tgt Ion: 99 Resp: 734121
Ion Ratio Lower Upper
99 100
42 19.2 16.2 24.2
71 32.0 27.3 40.9

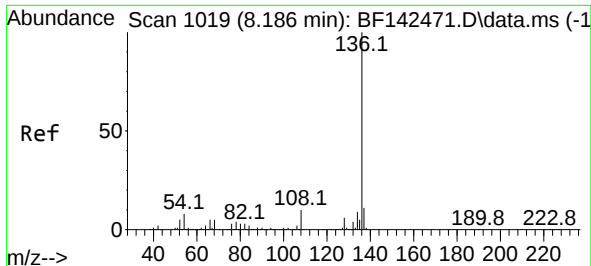


#19
n-Nitroso-di-n-propylamine
Concen: 10.700 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.129 min
Lab File: BF142609.D
Acq: 04 Jun 2025 16:17



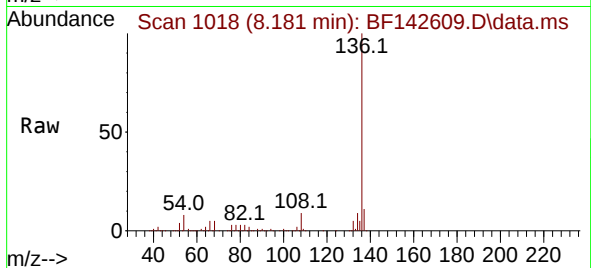
Tgt Ion: 70 Resp: 58373
Ion Ratio Lower Upper
70 100
42 51.2 52.4 78.6#
101 0.0 7.8 11.8#
130 2.3 18.0 27.0#



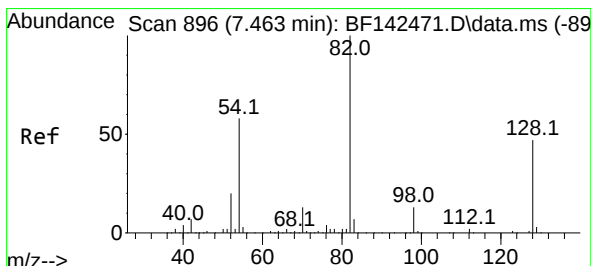
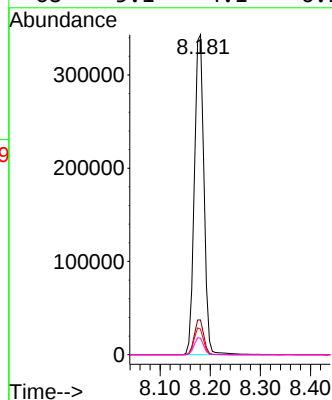
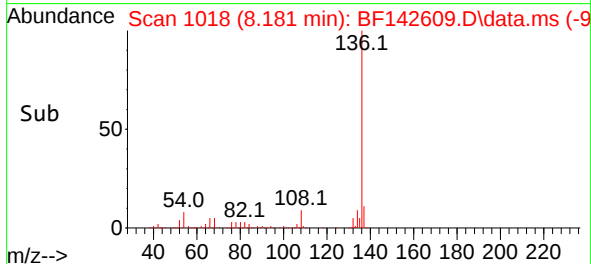


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142609.D
Acq: 04 Jun 2025 16:17

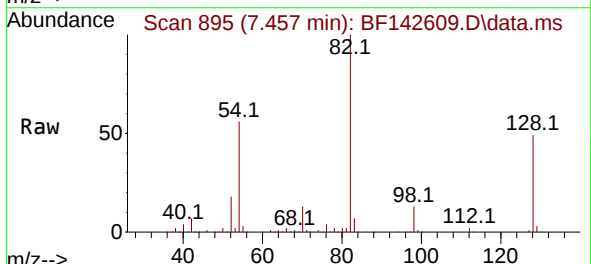
Instrument :
BNA_F
ClientSampleId :



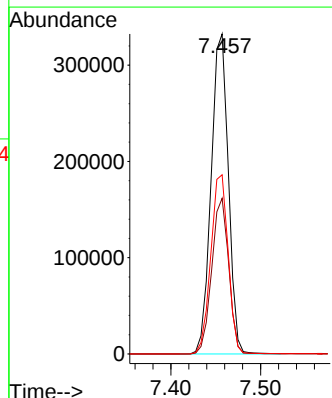
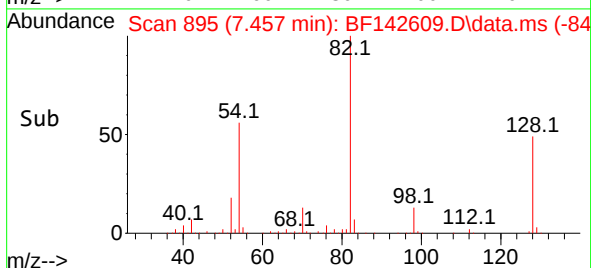
Tgt Ion:136 Resp: 452936
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.0 6.6 10.0
68 5.1 4.1 6.1

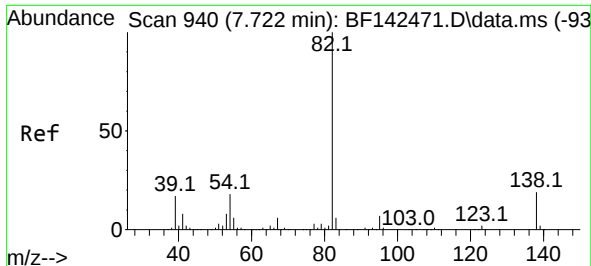


#23
Nitrobenzene-d5
Concen: 53.297 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF142609.D
Acq: 04 Jun 2025 16:17



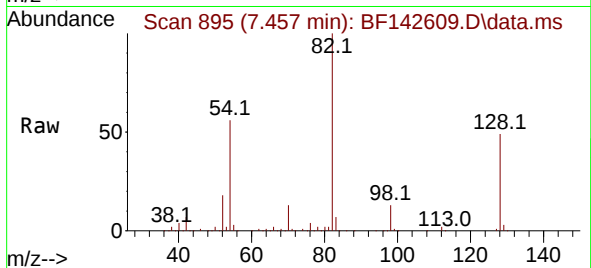
Tgt Ion: 82 Resp: 442706
Ion Ratio Lower Upper
82 100
128 48.7 37.4 56.2
54 56.0 46.6 70.0



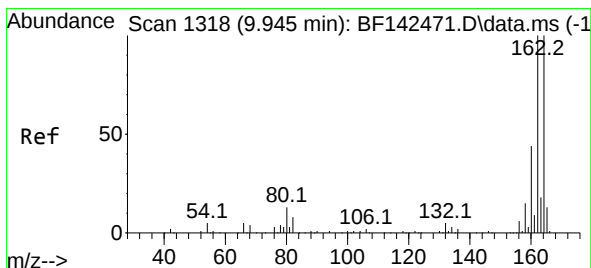
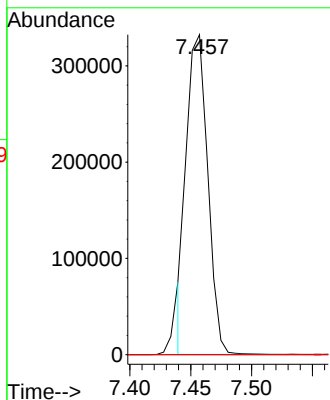
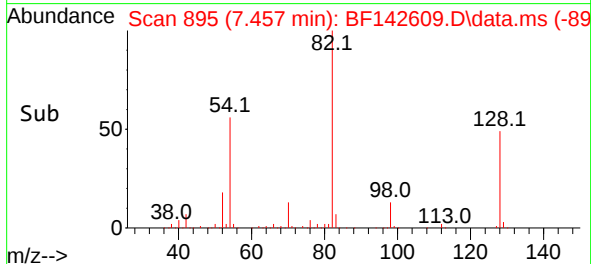


#25
Isophorone
Concen: 29.265 ng
RT: 7.457 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF142609.D
Acq: 04 Jun 2025 16:17

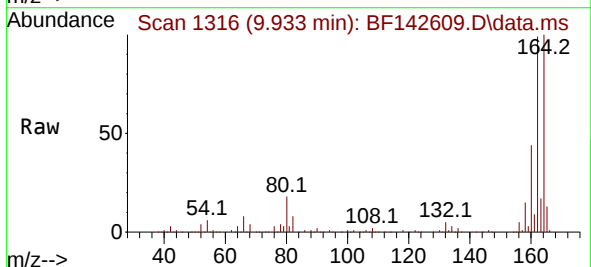
Instrument :
BNA_F
ClientSampleId :



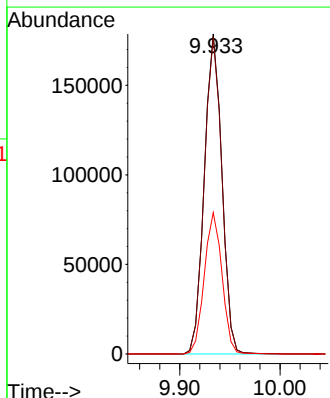
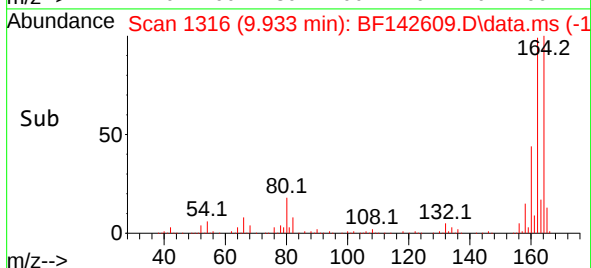
Tgt Ion: 82 Resp: 406417
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#

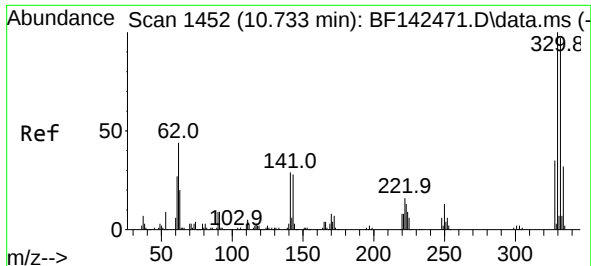


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142609.D
Acq: 04 Jun 2025 16:17



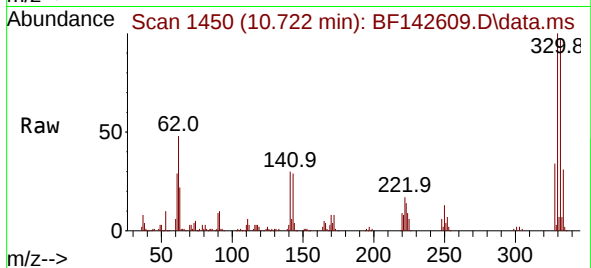
Tgt Ion:164 Resp: 218817
Ion Ratio Lower Upper
164 100
162 99.0 80.2 120.4
160 44.2 35.6 53.4



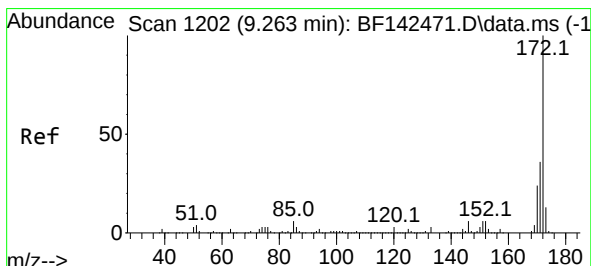
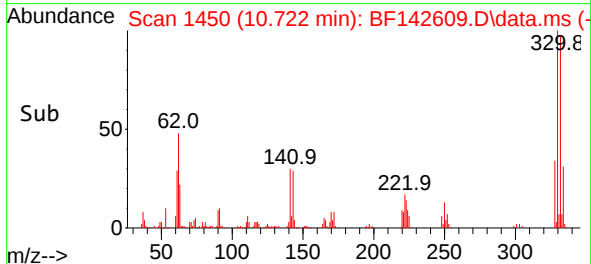
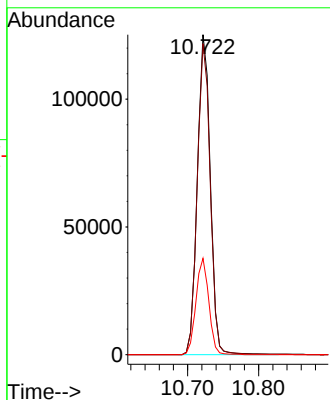


#42
 2,4,6-Tribromophenol
 Concen: 65.738 ng
 RT: 10.722 min Scan# 14
 Delta R.T. -0.018 min
 Lab File: BF142609.D
 Acq: 04 Jun 2025 16:17

Instrument :
 BNA_F
 ClientSampleId :

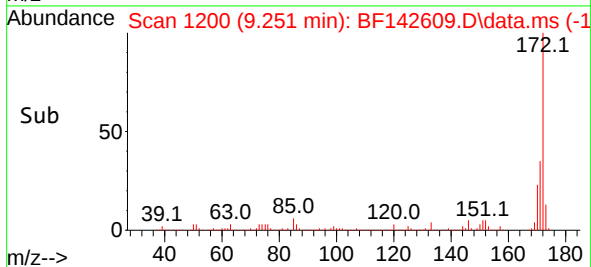
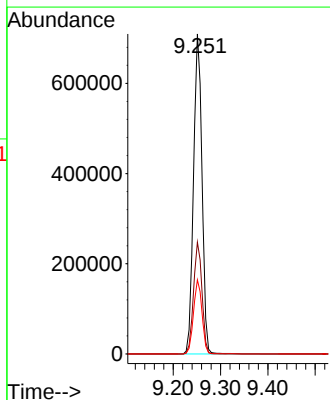
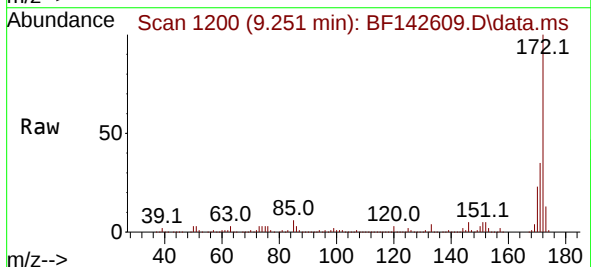


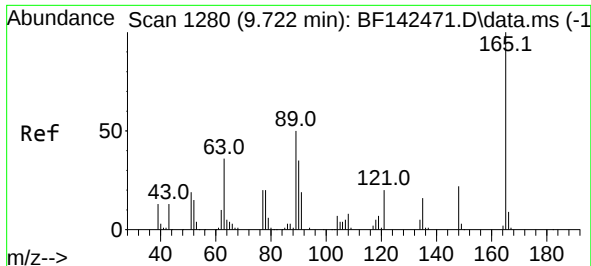
Tgt Ion:330 Resp: 159652
 Ion Ratio Lower Upper
 330 100
 332 97.5 77.6 116.4
 141 29.8 24.6 36.8



#45
 2-Fluorobiphenyl
 Concen: 54.192 ng
 RT: 9.251 min Scan# 1200
 Delta R.T. -0.018 min
 Lab File: BF142609.D
 Acq: 04 Jun 2025 16:17

Tgt Ion:172 Resp: 883715
 Ion Ratio Lower Upper
 172 100
 171 34.9 28.6 42.8
 170 23.2 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 8.867 ng

RT: 9.933 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF142609.D

Acq: 04 Jun 2025 16:17

Instrument :

BNA_F

ClientSampleId :

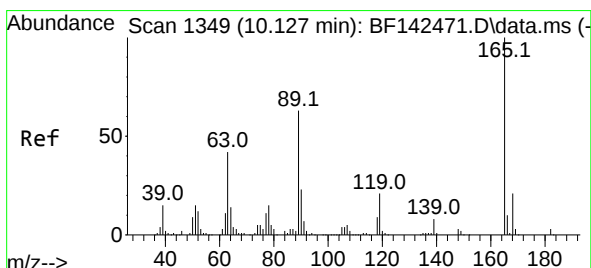
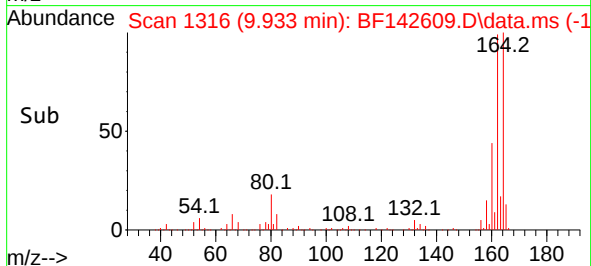
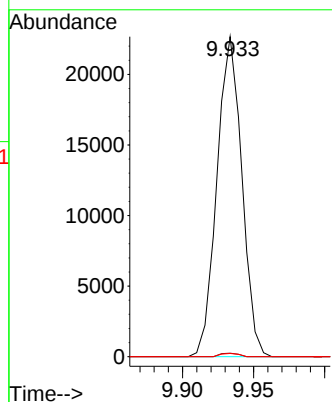
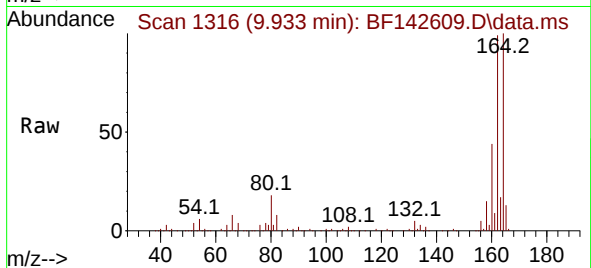
Tgt Ion:165 Resp: 27633

Ion Ratio Lower Upper

165 100

63 1.1 42.9 64.3#

89 1.0 40.2 60.4#



#57

2,4-Dinitrotoluene

Concen: 6.790 ng

RT: 9.933 min Scan# 1316

Delta R.T. -0.200 min

Lab File: BF142609.D

Acq: 04 Jun 2025 16:17

Tgt Ion:165 Resp: 27633

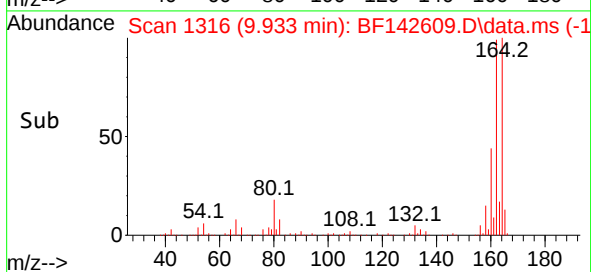
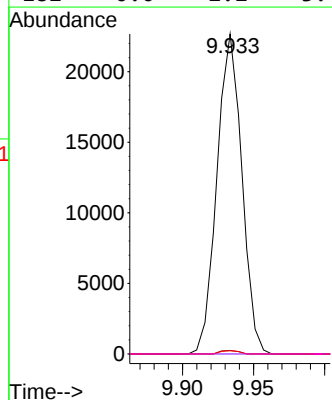
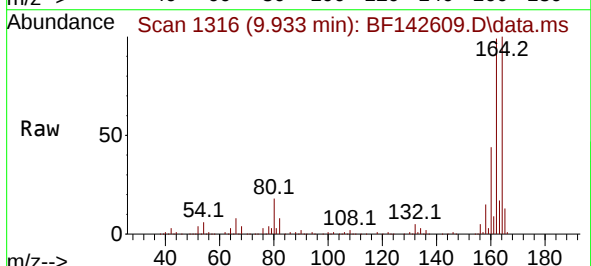
Ion Ratio Lower Upper

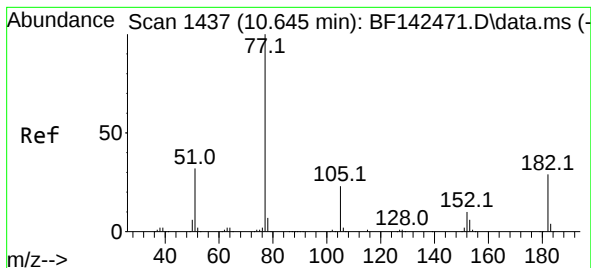
165 100

63 1.1 33.6 50.4#

89 1.0 50.2 75.4#

182 0.0 2.2 3.4#





#63

Azobenzene

Concen: 2.673 ng

RT: 10.645 min Scan# 14

Delta R.T. 0.000 min

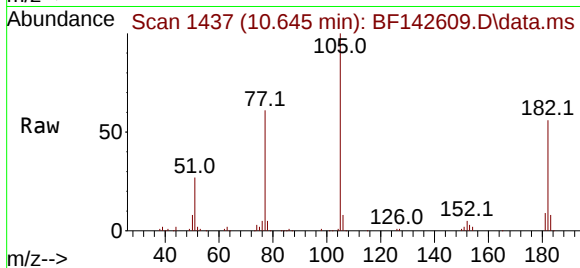
Lab File: BF142609.D

Acq: 04 Jun 2025 16:17

Instrument :

BNA_F

ClientSampleId :



Tgt Ion: 77 Resp: 33855

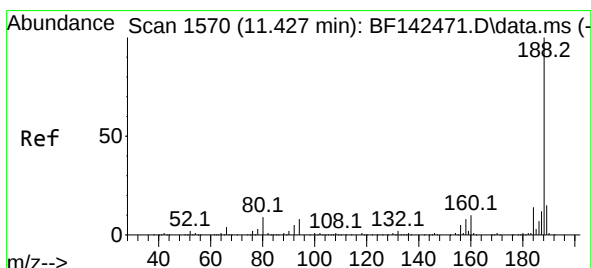
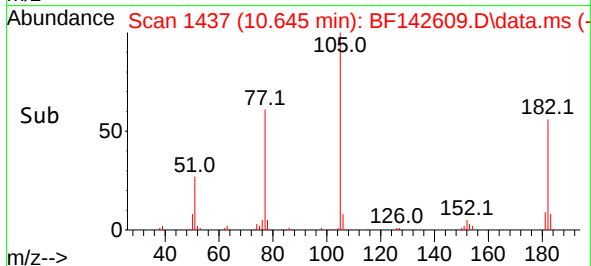
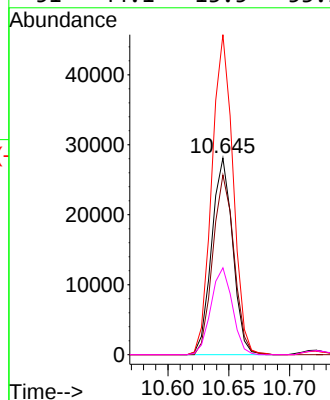
Ion Ratio Lower Upper

77 100

182 91.3 9.0 49.0#

105 162.7 2.4 42.4#

51 44.1 13.5 53.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1569

Delta R.T. -0.012 min

Lab File: BF142609.D

Acq: 04 Jun 2025 16:17

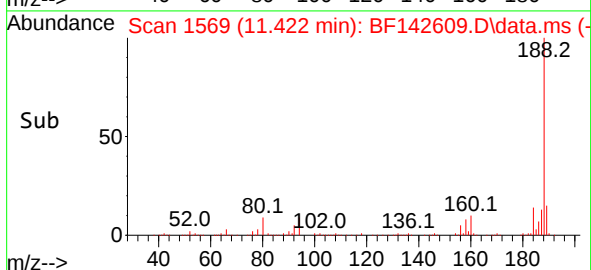
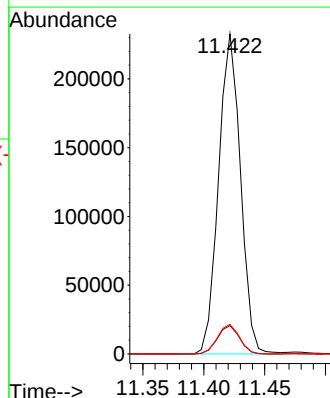
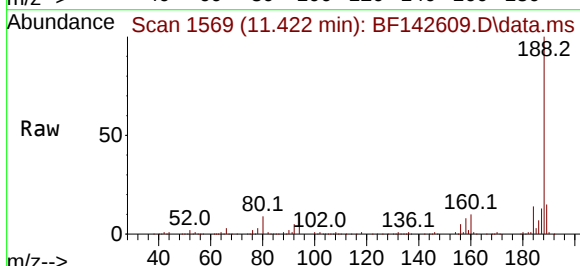
Tgt Ion: 188 Resp: 291671

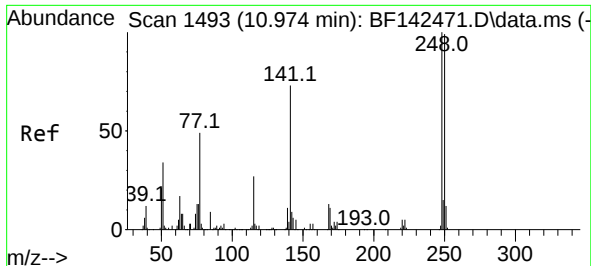
Ion Ratio Lower Upper

188 100

94 8.8 6.6 10.0

80 9.2 7.4 11.0

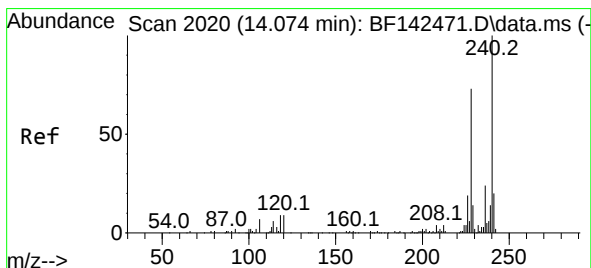
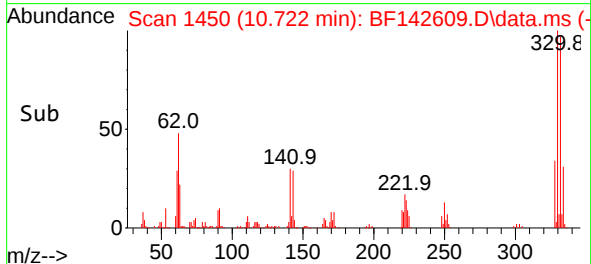
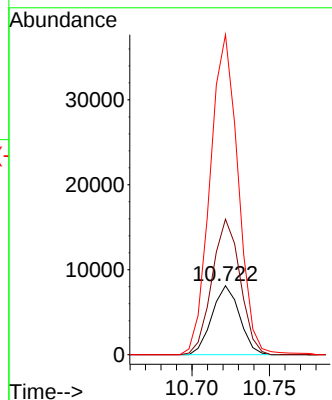
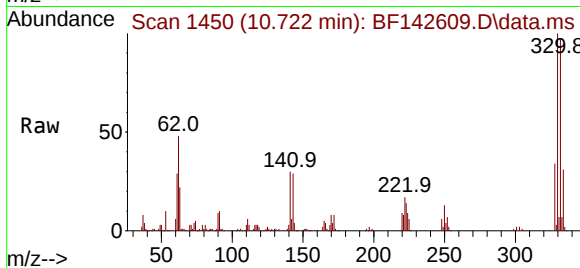




#67
4-Bromophenyl-phenylether
Concen: 2.920 ng
RT: 10.722 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF142609.D
Acq: 04 Jun 2025 16:17

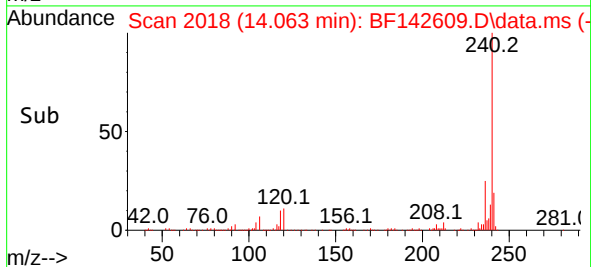
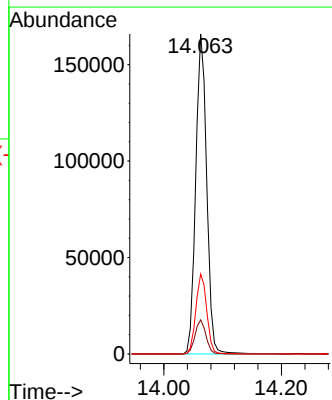
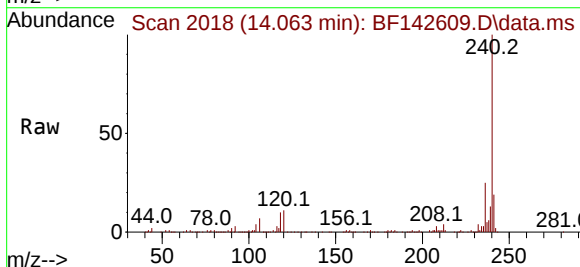
Instrument :
BNA_F
ClientSampleId :

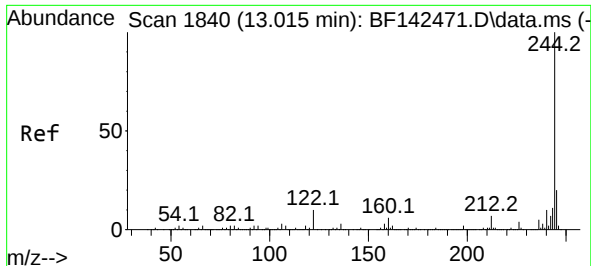
Tgt Ion:248 Resp: 10070
Ion Ratio Lower Upper
248 100
250 196.6 79.0 118.4#
141 464.2 58.4 87.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142609.D
Acq: 04 Jun 2025 16:17

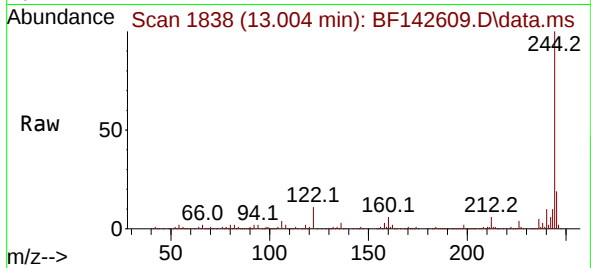
Tgt Ion:240 Resp: 214987
Ion Ratio Lower Upper
240 100
120 10.7 7.5 11.3
236 25.0 19.6 29.4



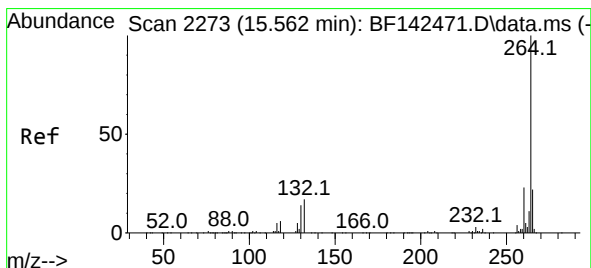
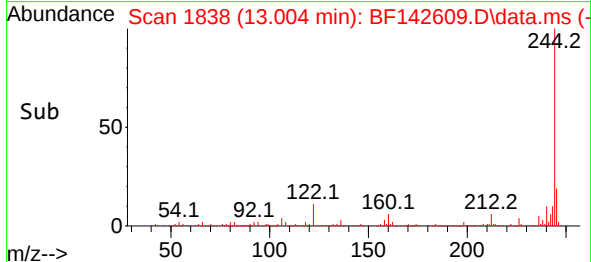
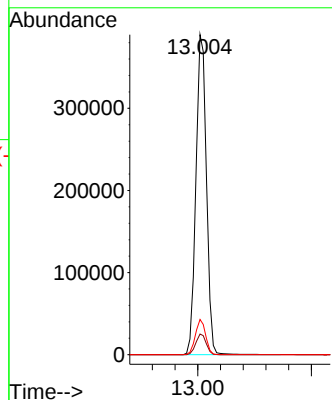


#79
 Terphenyl-d14
 Concen: 31.928 ng
 RT: 13.004 min Scan# 1838
 Delta R.T. -0.012 min
 Lab File: BF142609.D
 Acq: 04 Jun 2025 16:17

Instrument :
 BNA_F
 ClientSampleId :



Tgt Ion:244 Resp: 502295
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.3 7.9
 122 11.0 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: BF142609.D
 Acq: 04 Jun 2025 16:17

Tgt Ion:264 Resp: 281991
 Ion Ratio Lower Upper
 264 100
 260 22.8 18.6 28.0
 265 21.4 17.7 26.5

