

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060425\
 Data File : BF142607.D
 Acq On : 04 Jun 2025 15:17
 Operator : RC/JU
 Sample : Q2160-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 04 15:51:14 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)

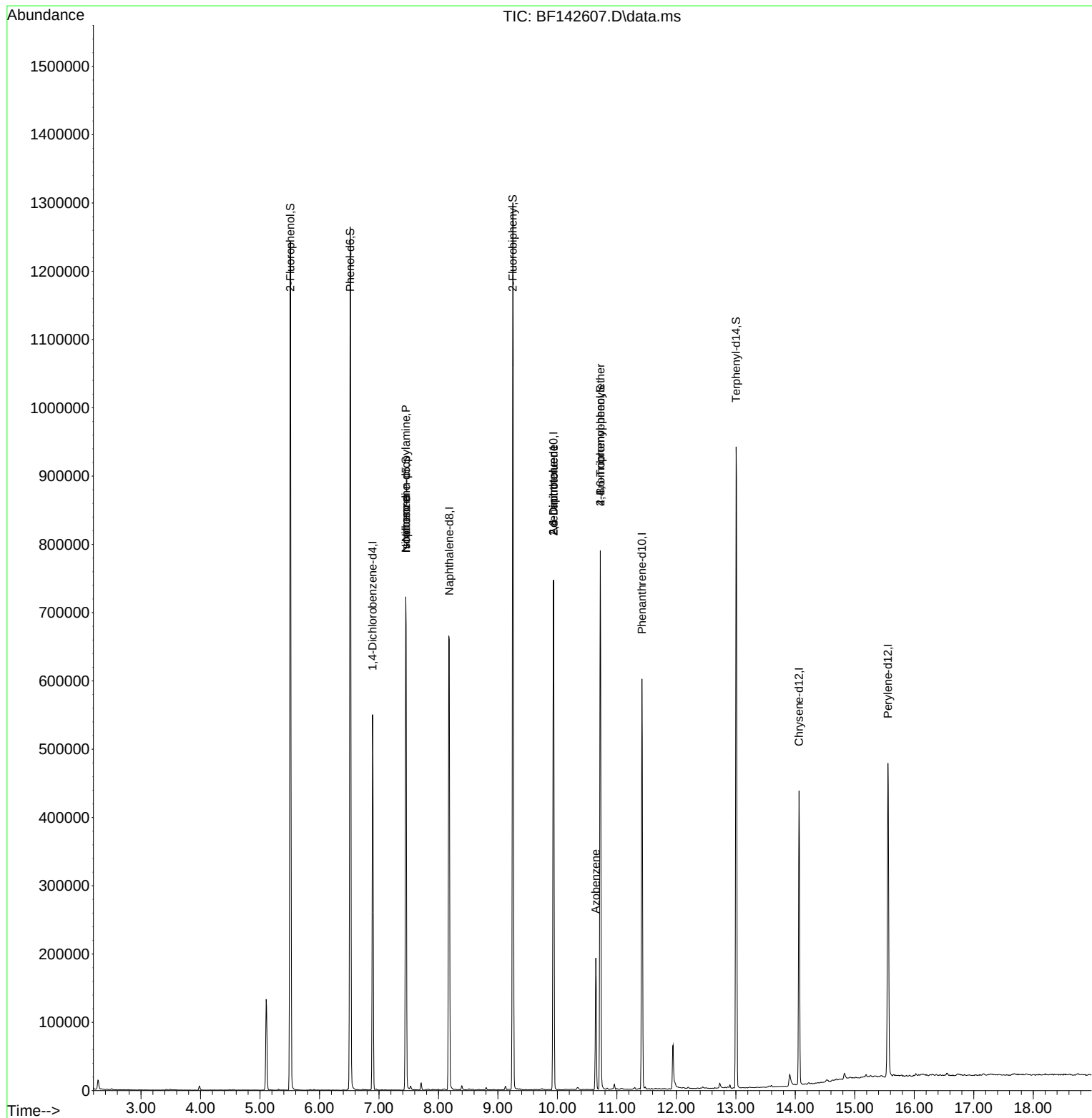
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	120595	20.000	ng	-0.01
21) Naphthalene-d8	8.181	136	450506	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	221668	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	319500	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	207901	20.000	ng	#-0.01
86) Perylene-d12	15.557	264	272389	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	470037	65.666	ng	0.00
7) Phenol-d6	6.516	99	600828	69.730	ng	-0.02
23) Nitrobenzene-d5	7.451	82	309256	37.432	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	136543	55.500	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	585182	35.424	ng	-0.02
79) Terphenyl-d14	13.004	244	464321	30.520	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	40612	7.605	ng	# 76
25) Isophorone	7.451	82	277091	20.060	ng	# 63
51) 2,6-Dinitrotoluene	9.933	165	29008	9.189	ng	# 27
57) 2,4-Dinitrotoluene	9.933	165	29008	7.036	ng	# 28
63) Azobenzene	10.645	77	44366	3.458	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	8925	2.362	ng	# 1

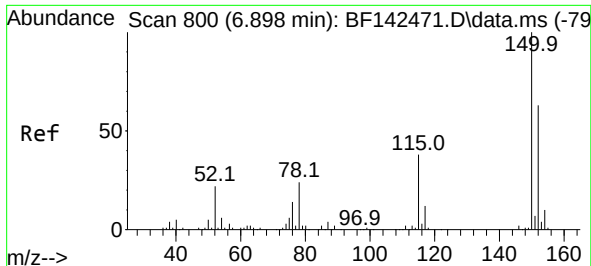
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060425\
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Misc :
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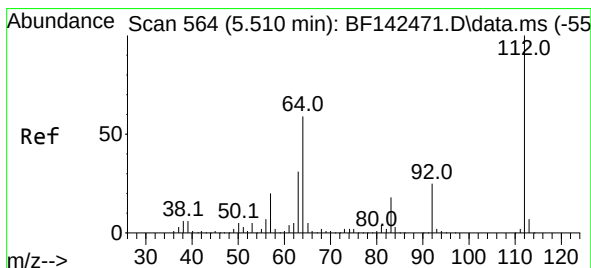
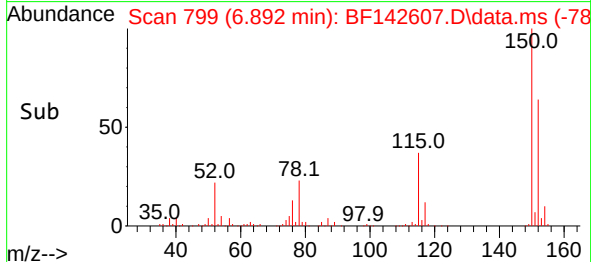
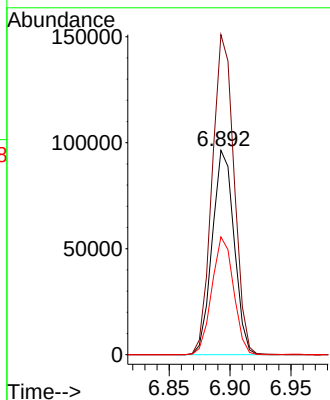
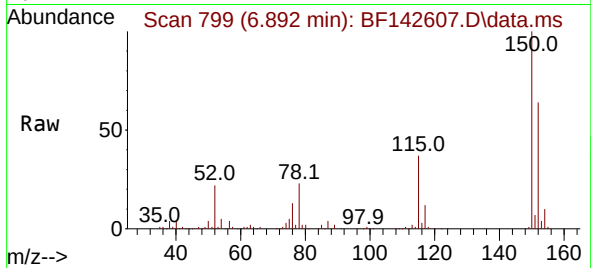




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.892 min Scan# 79
 Delta R.T. -0.012 min
 Lab File: BF142607.D
 Acq: 04 Jun 2025 15:17

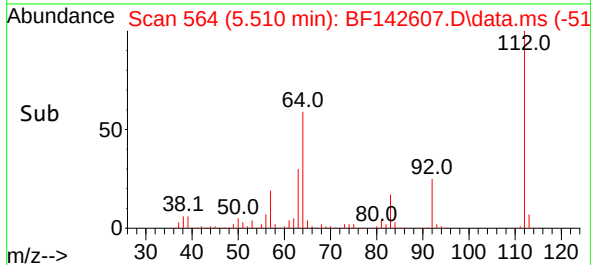
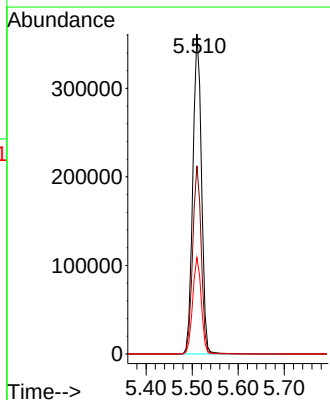
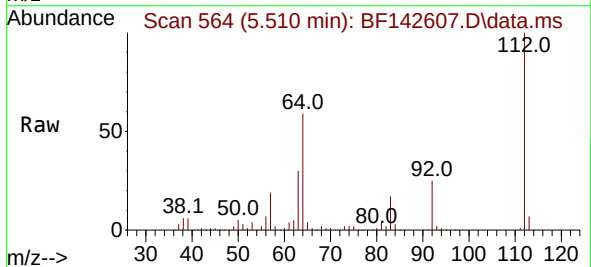
Instrument :
 BNA_F
 ClientSampleId :

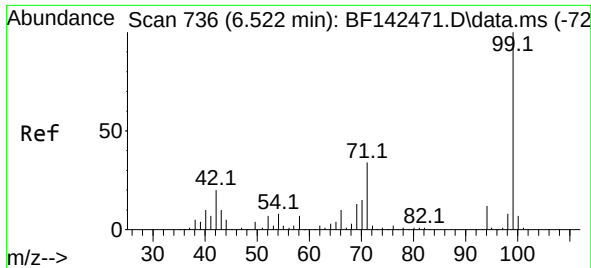
Tgt Ion:152 Resp: 120595
 Ion Ratio Lower Upper
 152 100
 150 156.7 128.2 192.4
 115 57.6 48.3 72.5



#5
 2-Fluorophenol
 Concen: 65.666 ng
 RT: 5.510 min Scan# 564
 Delta R.T. -0.006 min
 Lab File: BF142607.D
 Acq: 04 Jun 2025 15:17

Tgt Ion:112 Resp: 470037
 Ion Ratio Lower Upper
 112 100
 64 58.8 47.5 71.3
 63 30.1 24.9 37.3

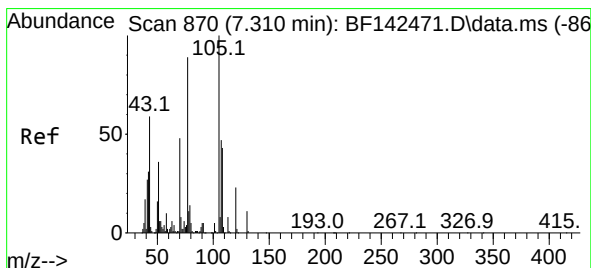
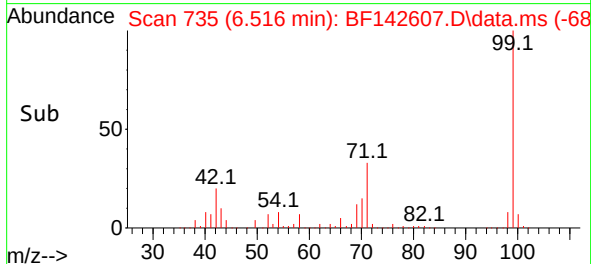
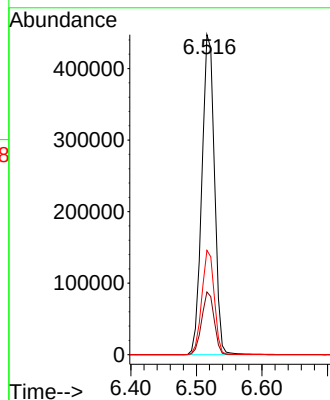
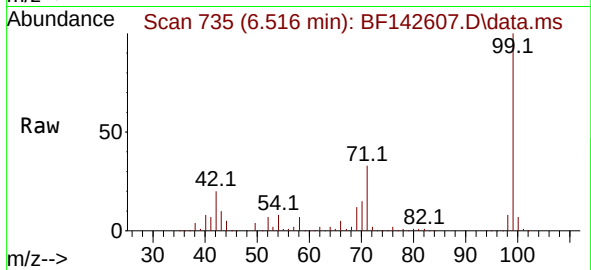




#7
Phenol-d6
Concen: 69.730 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF142607.D
Acq: 04 Jun 2025 15:17

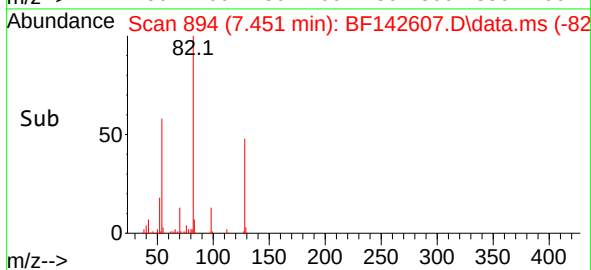
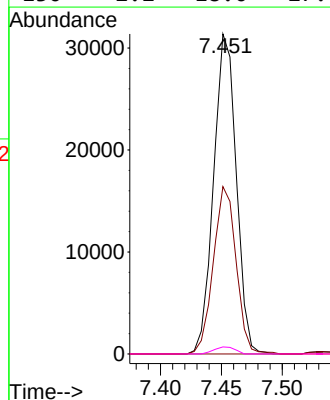
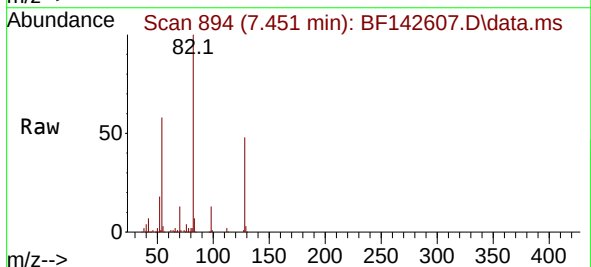
Instrument :
BNA_F
ClientSampleId :

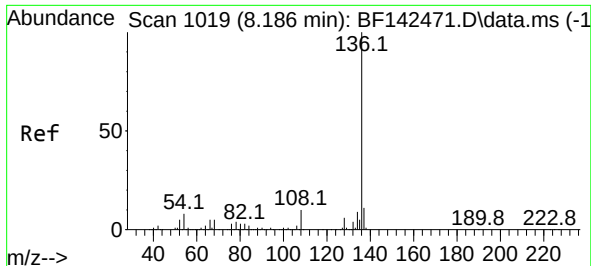
Tgt Ion: 99 Resp: 600828
Ion Ratio Lower Upper
99 100
42 19.6 16.2 24.2
71 32.6 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 7.605 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.124 min
Lab File: BF142607.D
Acq: 04 Jun 2025 15:17

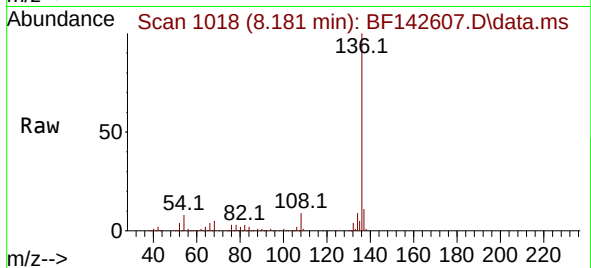
Tgt Ion: 70 Resp: 40612
Ion Ratio Lower Upper
70 100
42 52.3 52.4 78.6#
101 0.0 7.8 11.8#
130 2.2 18.0 27.0#



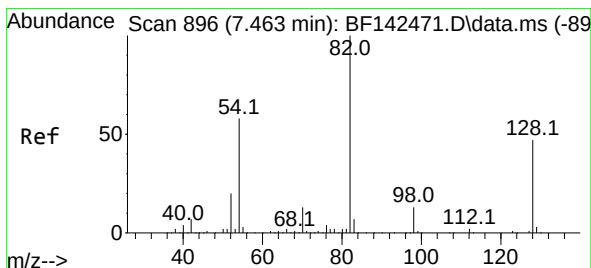
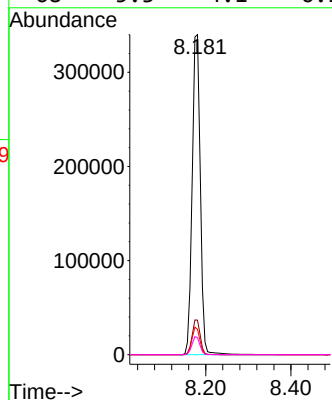
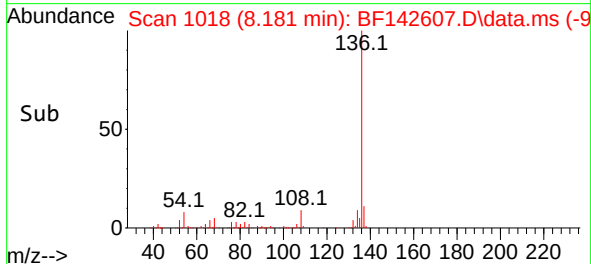


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142607.D
Acq: 04 Jun 2025 15:17

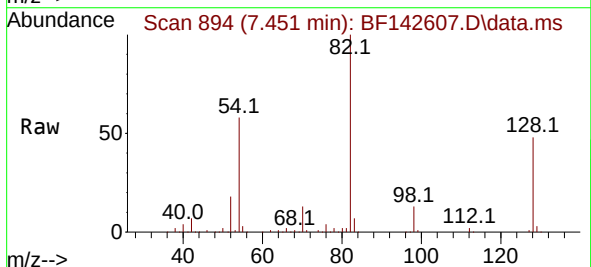
Instrument :
BNA_F
ClientSampleId :



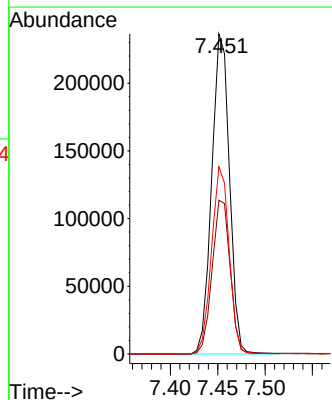
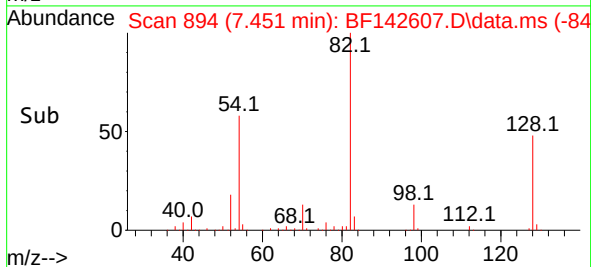
Tgt Ion:136 Resp: 450506
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.0 6.6 10.0
68 5.3 4.1 6.1

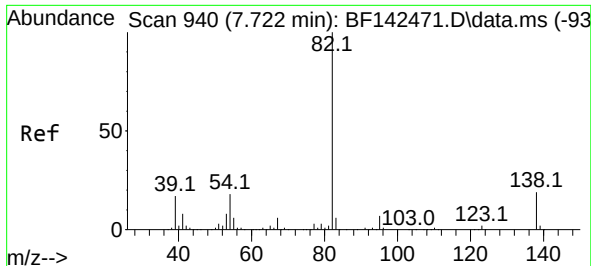


#23
Nitrobenzene-d5
Concen: 37.432 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.023 min
Lab File: BF142607.D
Acq: 04 Jun 2025 15:17



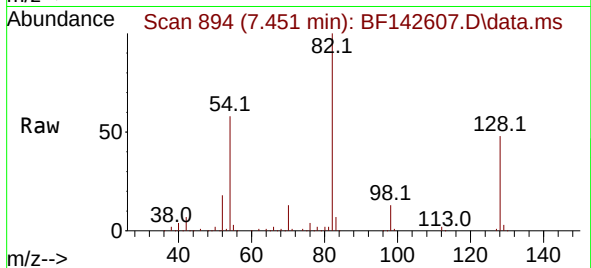
Tgt Ion: 82 Resp: 309256
Ion Ratio Lower Upper
82 100
128 48.0 37.4 56.2
54 58.5 46.6 70.0



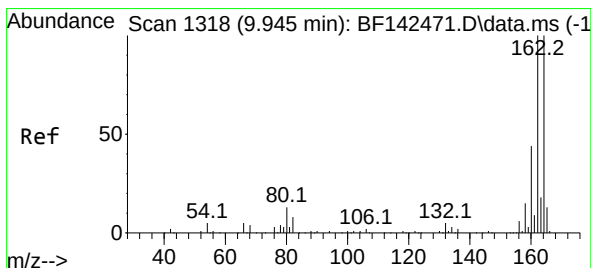
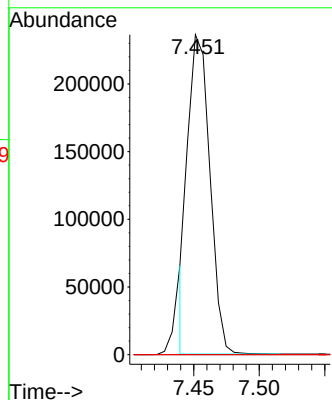
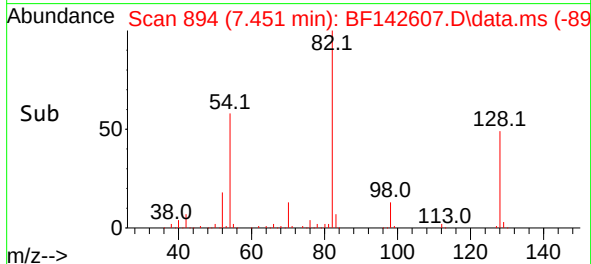


#25
Isophorone
Concen: 20.060 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.282 min
Lab File: BF142607.D
Acq: 04 Jun 2025 15:17

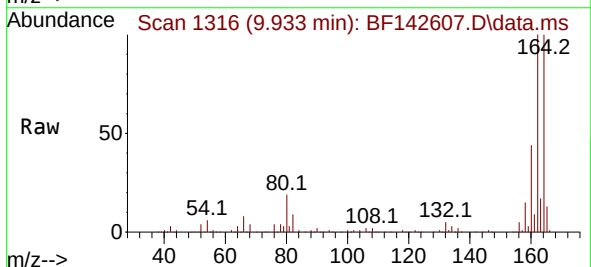
Instrument :
BNA_F
ClientSampleId :



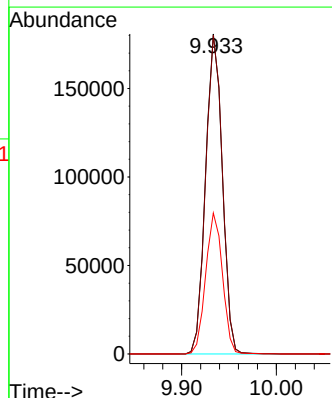
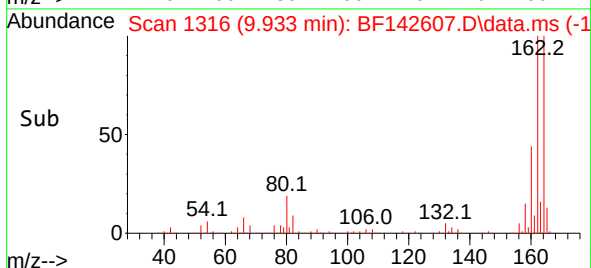
Tgt Ion: 82 Resp: 277091
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#

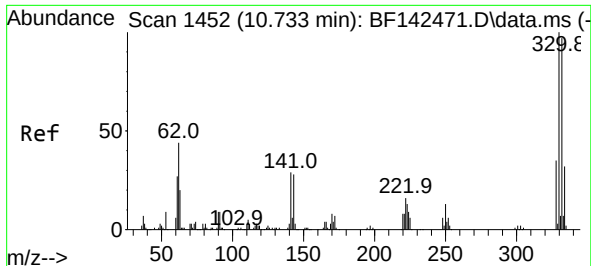


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142607.D
Acq: 04 Jun 2025 15:17



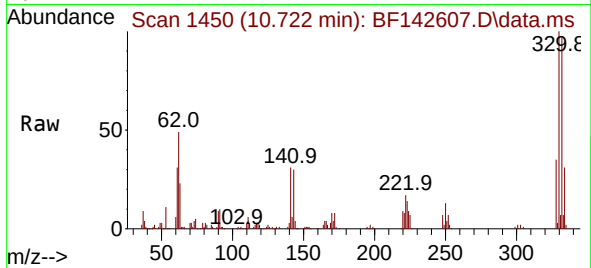
Tgt Ion:164 Resp: 221668
Ion Ratio Lower Upper
164 100
162 99.6 80.2 120.4
160 44.0 35.6 53.4



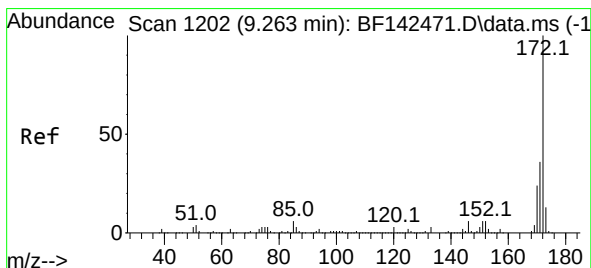
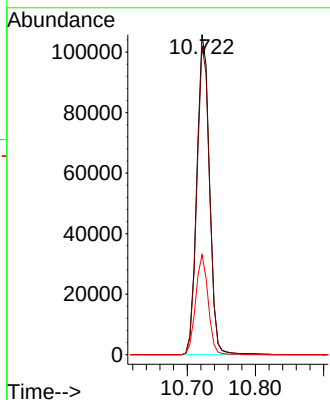
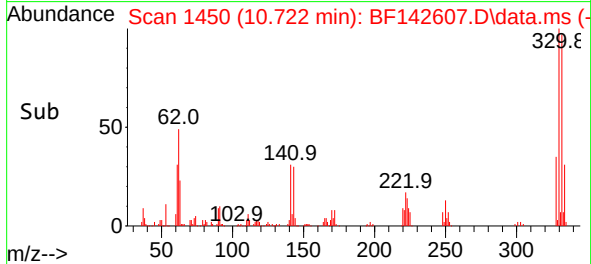


#42
 2,4,6-Tribromophenol
 Concen: 55.500 ng
 RT: 10.722 min Scan# 1452
 Delta R.T. -0.018 min
 Lab File: BF142607.D
 Acq: 04 Jun 2025 15:17

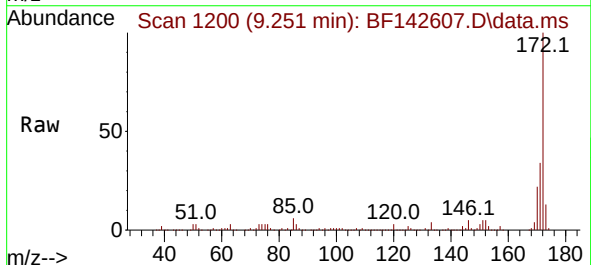
Instrument :
 BNA_F
 ClientSampleId :



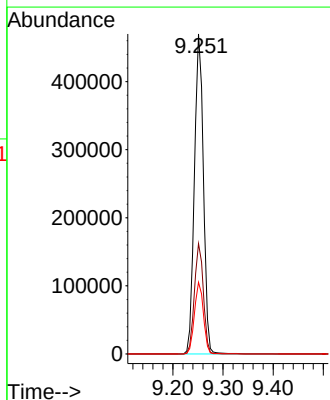
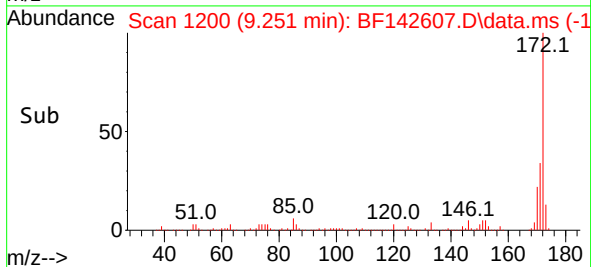
Tgt Ion: 330 Resp: 136543
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.6 116.4
 141 30.6 24.6 36.8

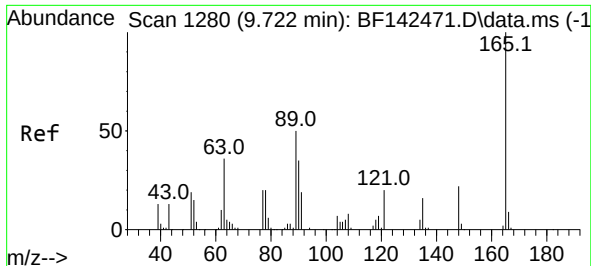


#45
 2-Fluorobiphenyl
 Concen: 35.424 ng
 RT: 9.251 min Scan# 1200
 Delta R.T. -0.018 min
 Lab File: BF142607.D
 Acq: 04 Jun 2025 15:17



Tgt Ion: 172 Resp: 585182
 Ion Ratio Lower Upper
 172 100
 171 34.5 28.6 42.8
 170 22.4 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 9.189 ng

RT: 9.933 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF142607.D

Acq: 04 Jun 2025 15:17

Instrument :

BNA_F

ClientSampleId :

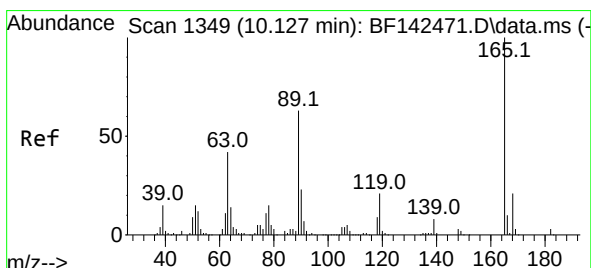
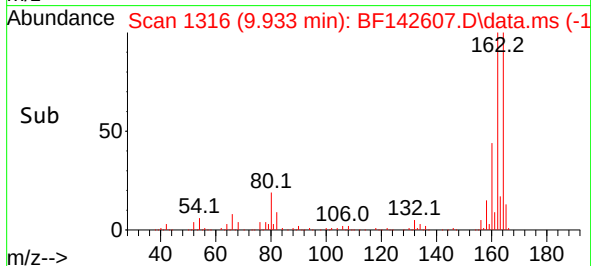
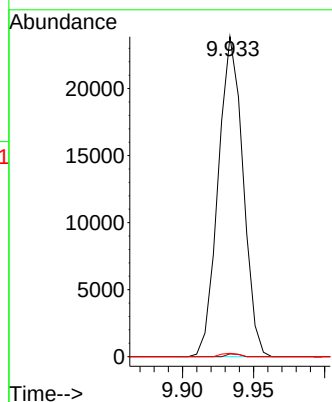
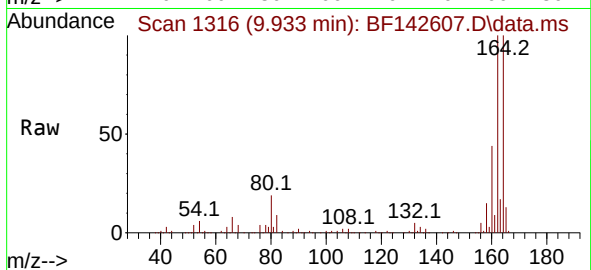
Tgt Ion:165 Resp: 29008

Ion Ratio Lower Upper

165 100

63 0.8 42.9 64.3#

89 1.0 40.2 60.4#



#57

2,4-Dinitrotoluene

Concen: 7.036 ng

RT: 9.933 min Scan# 1316

Delta R.T. -0.200 min

Lab File: BF142607.D

Acq: 04 Jun 2025 15:17

Tgt Ion:165 Resp: 29008

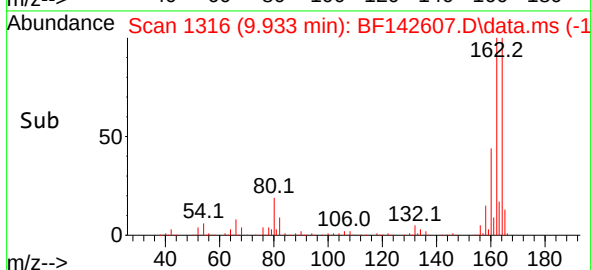
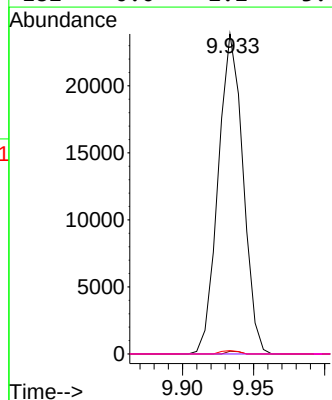
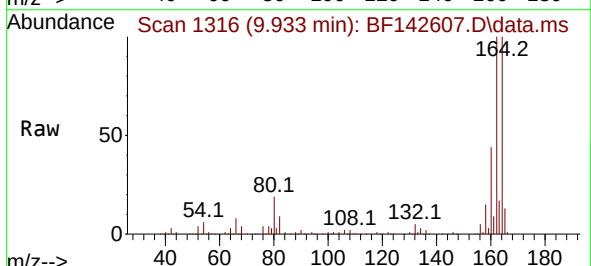
Ion Ratio Lower Upper

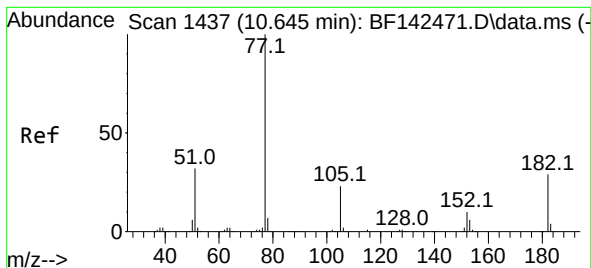
165 100

63 0.8 33.6 50.4#

89 1.0 50.2 75.4#

182 0.0 2.2 3.4#





#63

Azobenzene

Concen: 3.458 ng

RT: 10.645 min Scan# 14

Delta R.T. 0.000 min

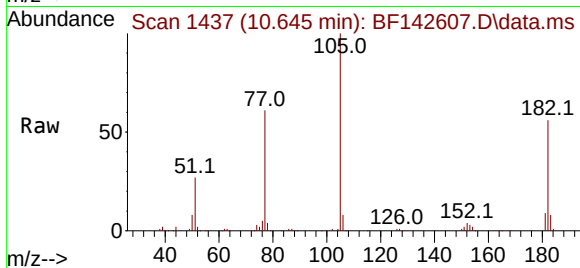
Lab File: BF142607.D

Acq: 04 Jun 2025 15:17

Instrument :

BNA_F

ClientSampleId :



Tgt Ion: 77 Resp: 44366

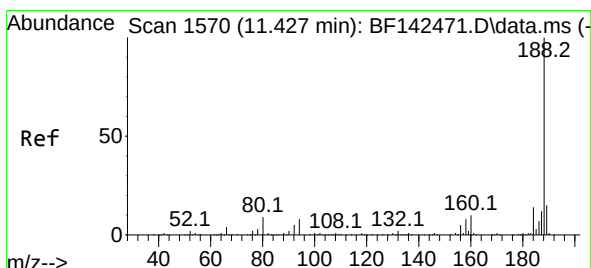
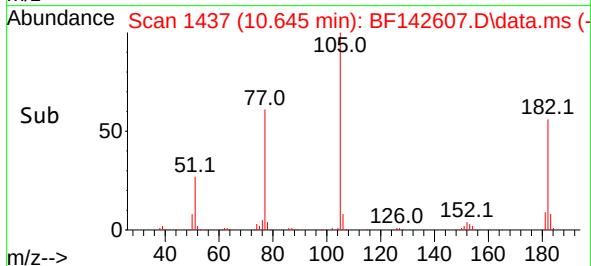
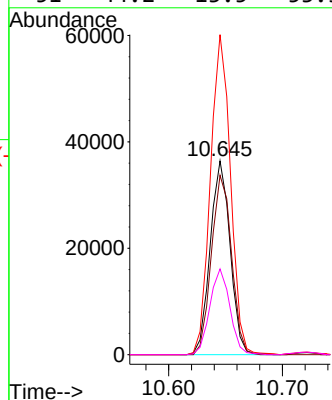
Ion Ratio Lower Upper

77 100

182 92.6 9.0 49.0#

105 165.2 2.4 42.4#

51 44.2 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: BF142607.D

Acq: 04 Jun 2025 15:17

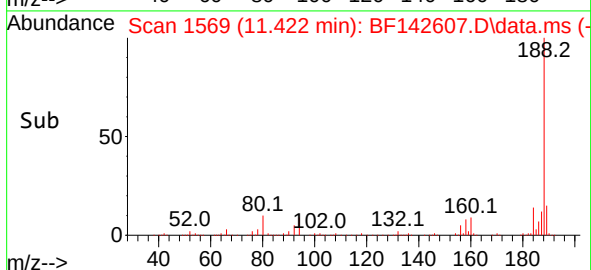
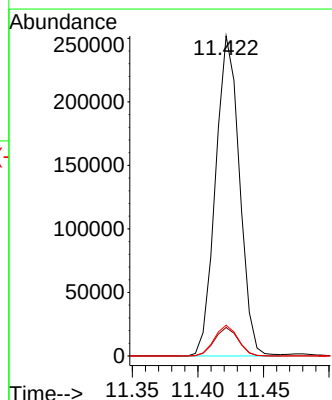
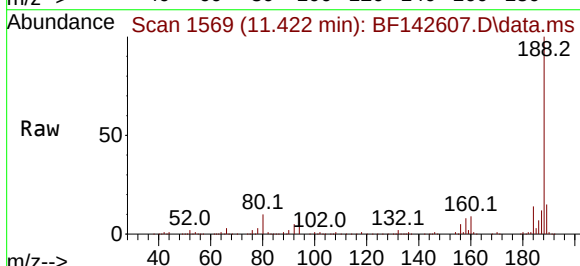
Tgt Ion:188 Resp: 319500

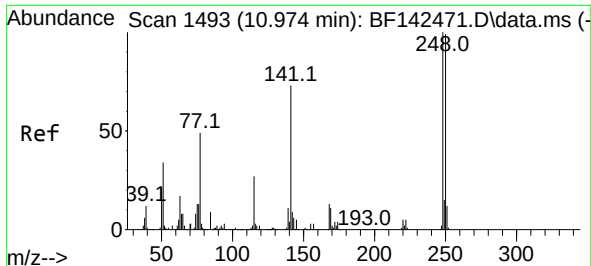
Ion Ratio Lower Upper

188 100

94 8.9 6.6 10.0

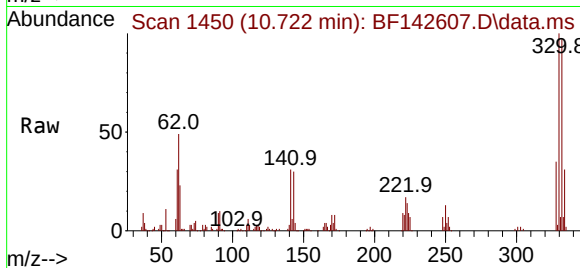
80 9.6 7.4 11.0



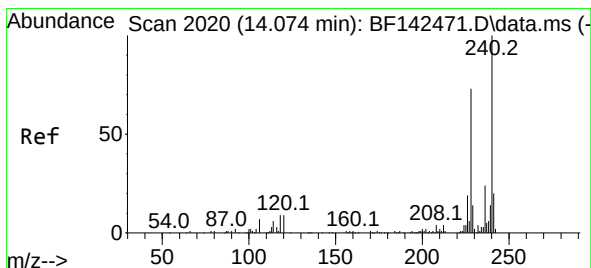
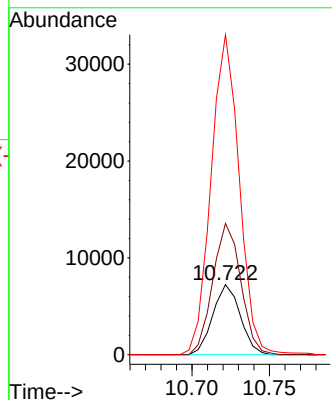
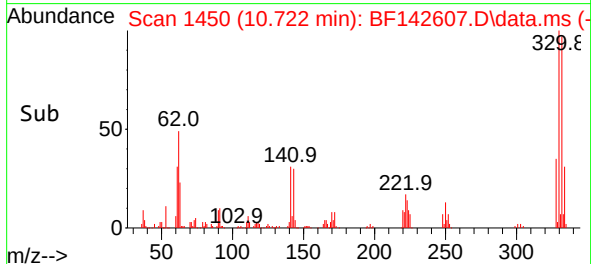


#67
4-Bromophenyl-phenylether
Concen: 2.362 ng
RT: 10.722 min Scan# 1493
Delta R.T. -0.253 min
Lab File: BF142607.D
Acq: 04 Jun 2025 15:17

Instrument :
BNA_F
ClientSampleId :

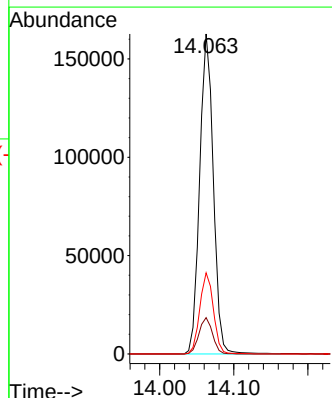
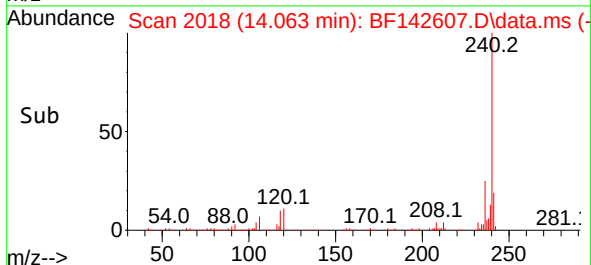
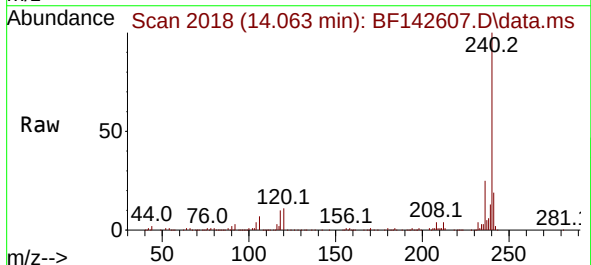


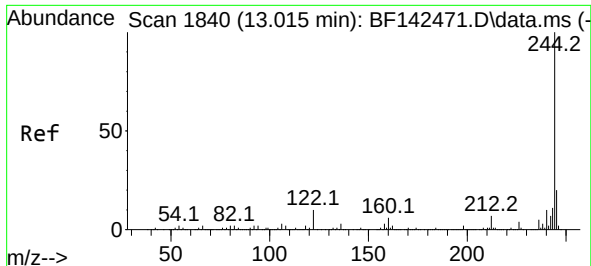
Tgt Ion:248 Resp: 8925
Ion Ratio Lower Upper
248 100
250 187.2 79.0 118.4#
141 456.4 58.4 87.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142607.D
Acq: 04 Jun 2025 15:17

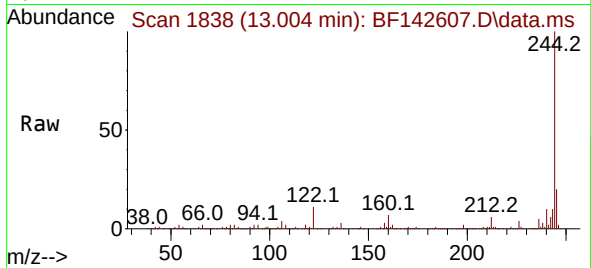
Tgt Ion:240 Resp: 207901
Ion Ratio Lower Upper
240 100
120 11.4 7.5 11.3#
236 25.4 19.6 29.4



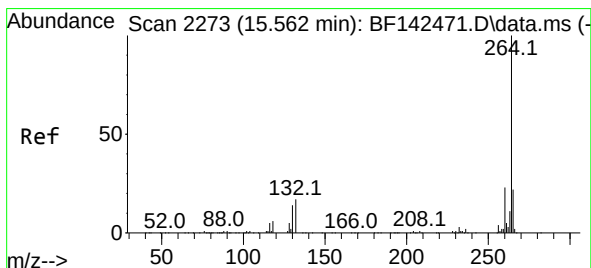
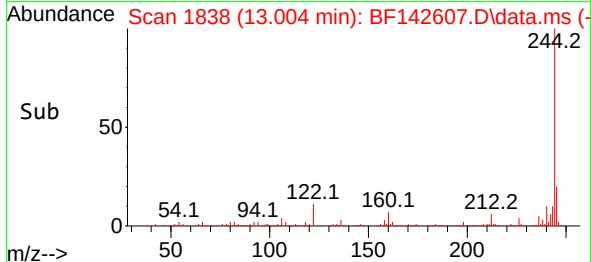
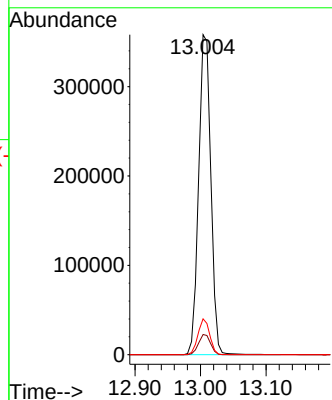


#79
 Terphenyl-d14
 Concen: 30.520 ng
 RT: 13.004 min Scan# 1838
 Delta R.T. -0.012 min
 Lab File: BF142607.D
 Acq: 04 Jun 2025 15:17

Instrument :
 BNA_F
 ClientSampleId :



Tgt Ion:244 Resp: 464321
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.3 7.9
 122 11.2 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: BF142607.D
 Acq: 04 Jun 2025 15:17

Tgt Ion:264 Resp: 272389
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.6 28.0
 265 21.6 17.7 26.5

