

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
 Data File : BF142975.D
 Acq On : 02 Jul 2025 17:19
 Operator : RC/JU
 Sample : Q2458-09
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-59

Quant Time: Jul 02 17:45:06 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

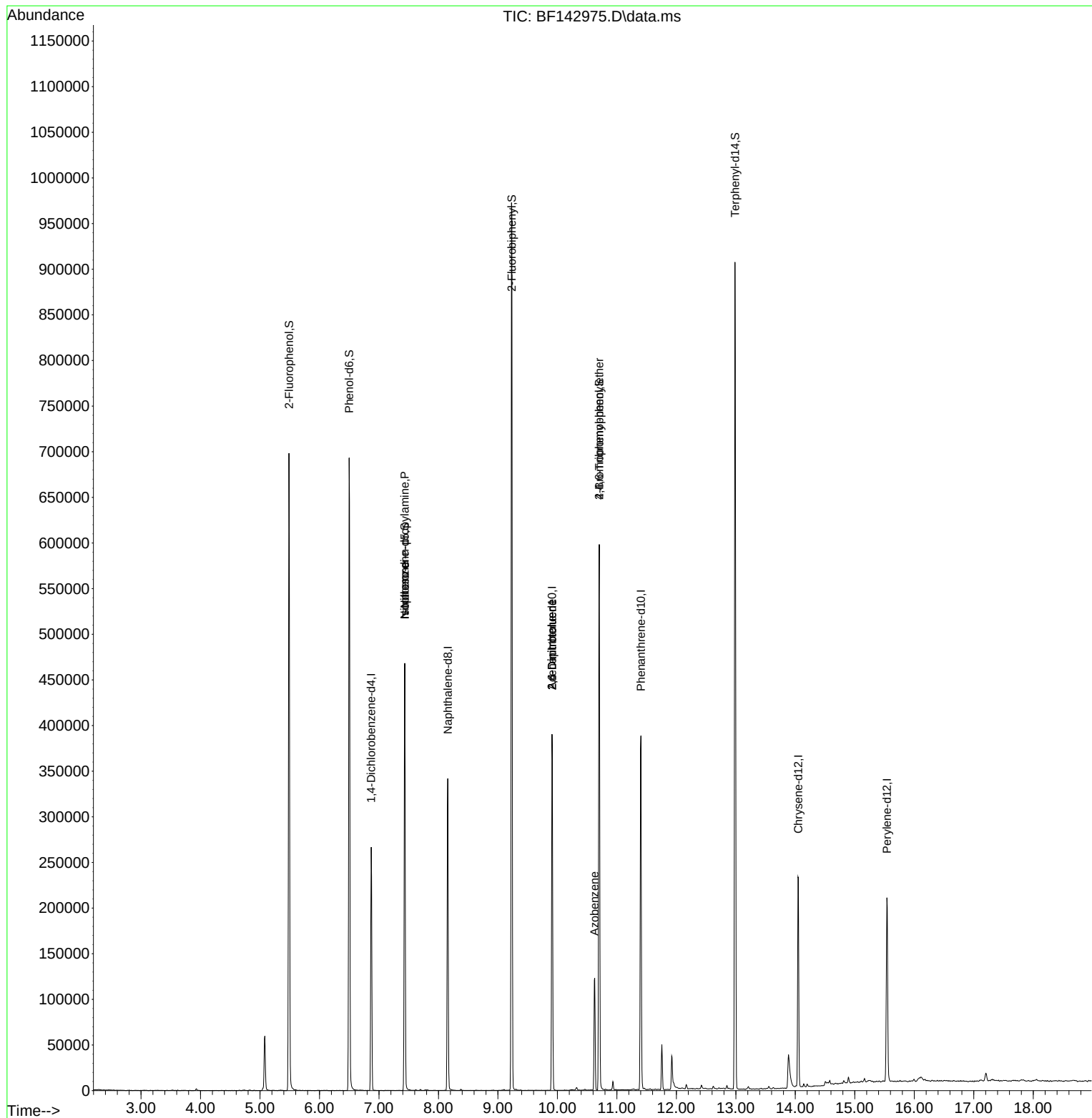
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	57945	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	223063	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	120808	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	212211	20.000	ng	0.00
76) Chrysene-d12	14.051	240	120436	20.000	ng	0.00
86) Perylene-d12	15.539	264	122074	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	269251	77.363	ng	0.00
7) Phenol-d6	6.498	99	322341	78.503	ng	-0.01
23) Nitrobenzene-d5	7.434	82	194996	47.949	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	103320	83.108	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	447320	48.642	ng	-0.01
79) Terphenyl-d14	12.986	244	440678	50.557	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	26211	10.976	ng	# 75
25) Isophorone	7.434	82	194994	29.890	ng	# 62
51) 2,6-Dinitrotoluene	9.910	165	15026	8.750	ng	# 26
57) 2,4-Dinitrotoluene	9.910	165	15026	6.587	ng	# 26
63) Azobenzene	10.622	77	29711	4.336	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	6541	2.708	ng	# 1

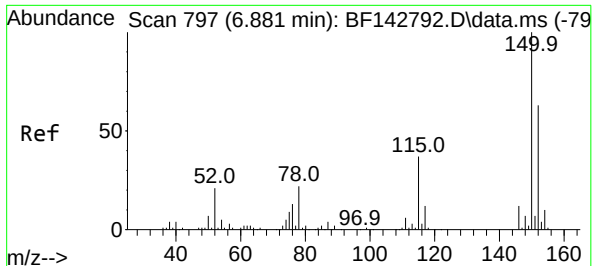
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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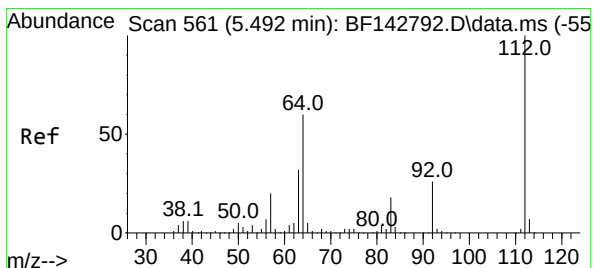
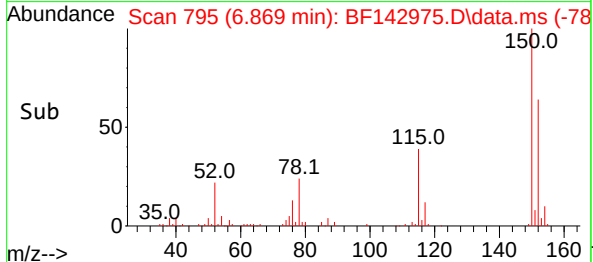
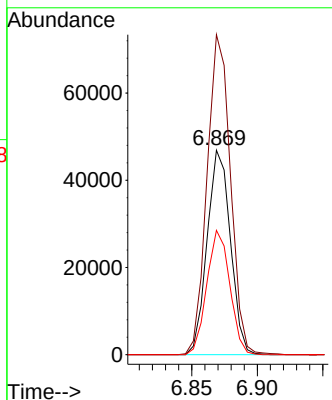
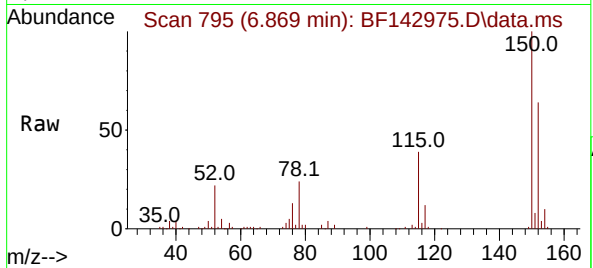




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.869 min Scan# 797
 Delta R.T. -0.012 min
 Lab File: BF142975.D
 Acq: 02 Jul 2025 17:19

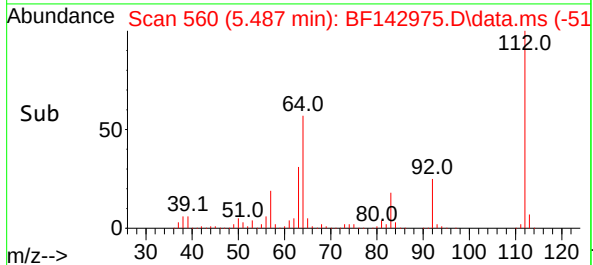
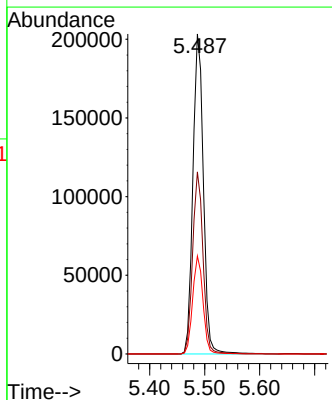
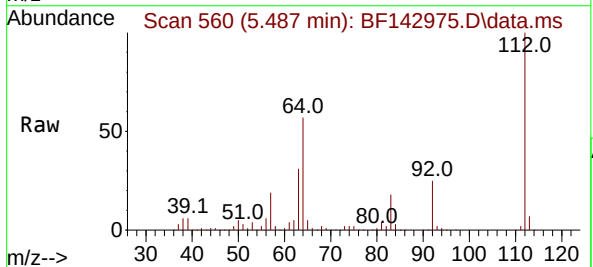
Instrument :
 BNA_F
 ClientSampleId :
 TP-59

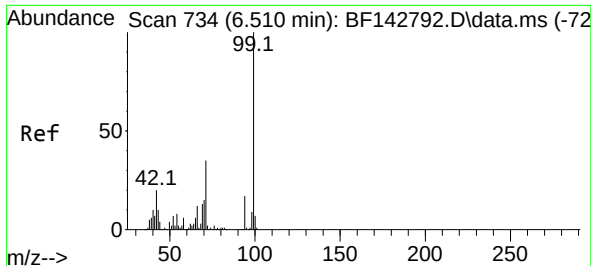
Tgt Ion:152 Resp: 57945
 Ion Ratio Lower Upper
 152 100
 150 156.5 127.2 190.8
 115 60.8 46.6 69.8



#5
 2-Fluorophenol
 Concen: 77.363 ng
 RT: 5.487 min Scan# 560
 Delta R.T. -0.005 min
 Lab File: BF142975.D
 Acq: 02 Jul 2025 17:19

Tgt Ion:112 Resp: 269251
 Ion Ratio Lower Upper
 112 100
 64 56.9 48.2 72.2
 63 30.6 25.7 38.5

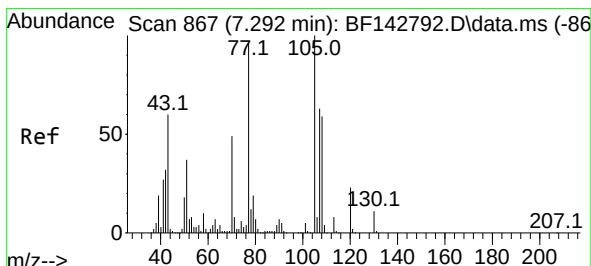
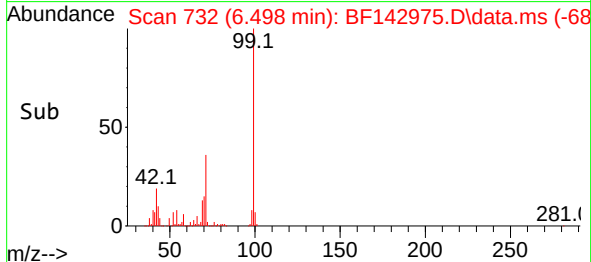
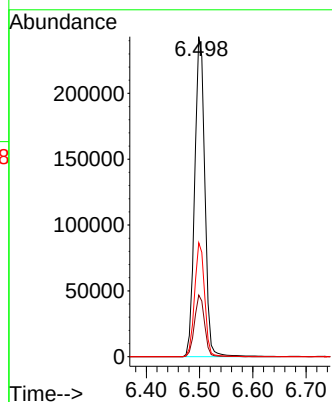
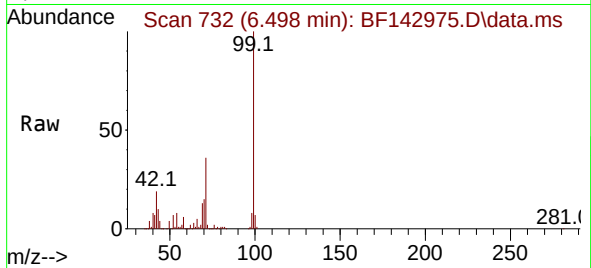




#7
Phenol-d6
Concen: 78.503 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142975.D
Acq: 02 Jul 2025 17:19

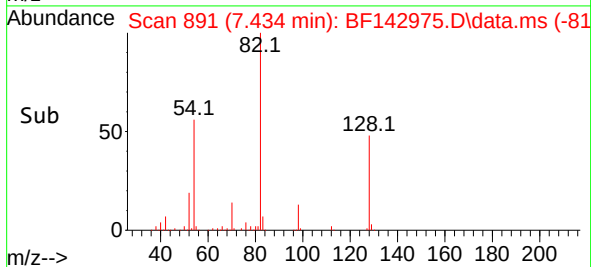
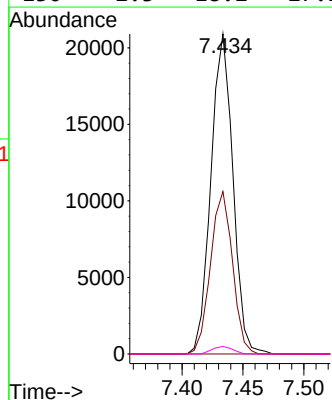
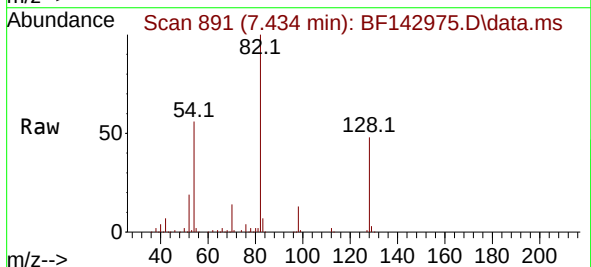
Instrument :
BNA_F
ClientSampleId :
TP-59

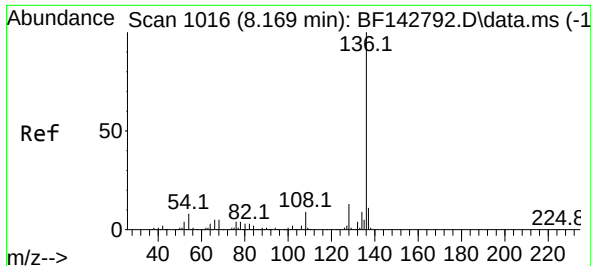
Tgt Ion: 99 Resp: 322341
Ion Ratio Lower Upper
99 100
42 19.2 15.9 23.9
71 35.6 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 10.976 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.141 min
Lab File: BF142975.D
Acq: 02 Jul 2025 17:19

Tgt Ion: 70 Resp: 26211
Ion Ratio Lower Upper
70 100
42 50.8 52.1 78.1#
101 0.0 8.2 12.2#
130 2.3 18.2 27.2#

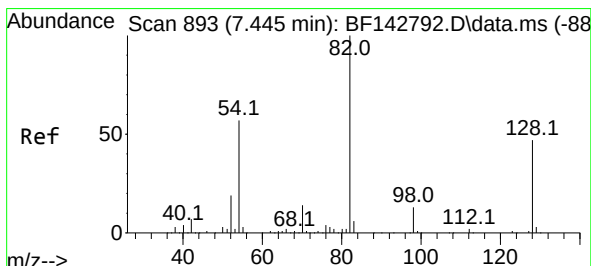
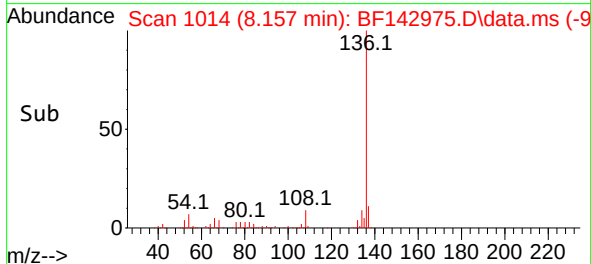
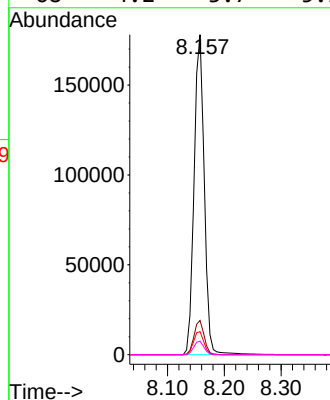
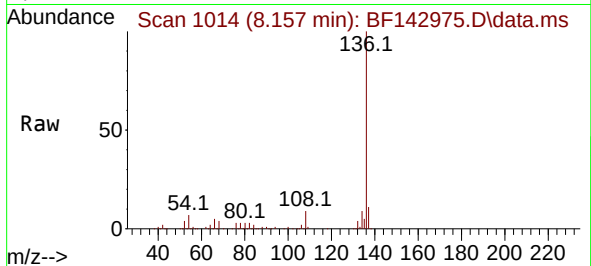




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142975.D
Acq: 02 Jul 2025 17:19

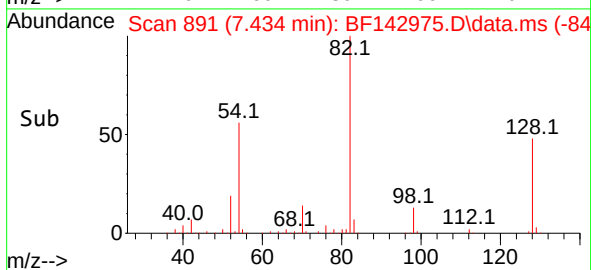
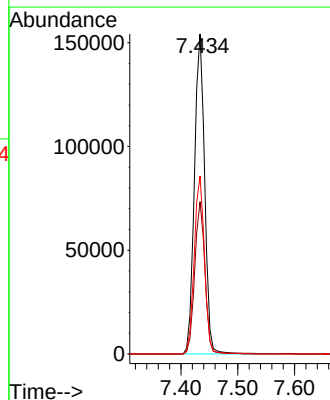
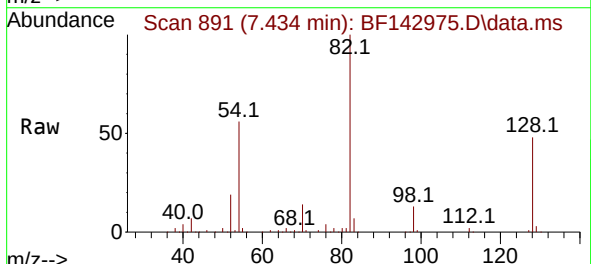
Instrument :
BNA_F
ClientSampleId :
TP-59

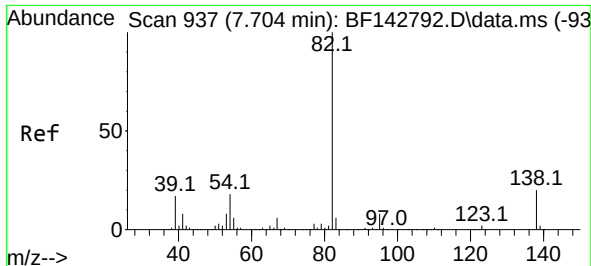
Tgt Ion:136 Resp: 223063
Ion Ratio Lower Upper
136 100
137 10.7 8.4 12.6
54 7.2 6.3 9.5
68 4.2 3.7 5.5



#23
Nitrobenzene-d5
Concen: 47.949 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.011 min
Lab File: BF142975.D
Acq: 02 Jul 2025 17:19

Tgt Ion: 82 Resp: 194996
Ion Ratio Lower Upper
82 100
128 47.6 37.7 56.5
54 55.6 45.7 68.5

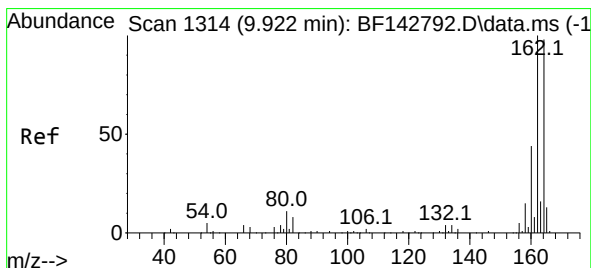
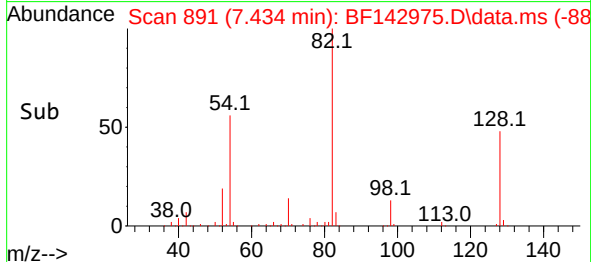
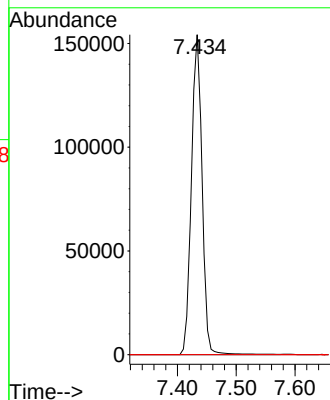
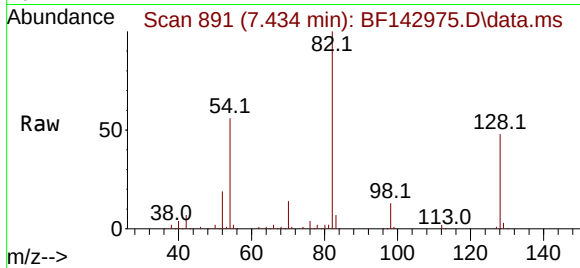




#25
Isophorone
Concen: 29.890 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.271 min
Lab File: BF142975.D
Acq: 02 Jul 2025 17:19

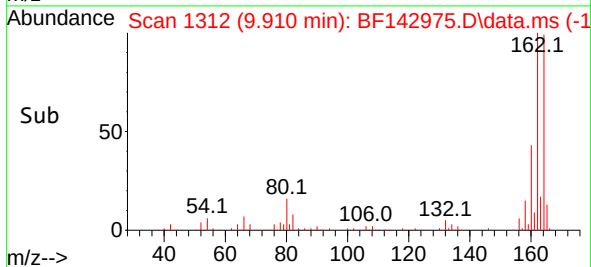
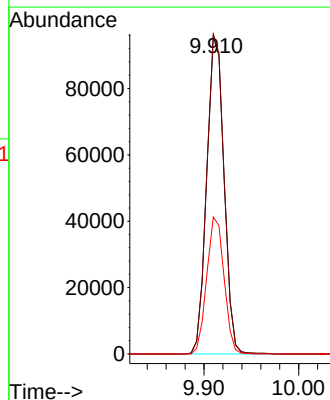
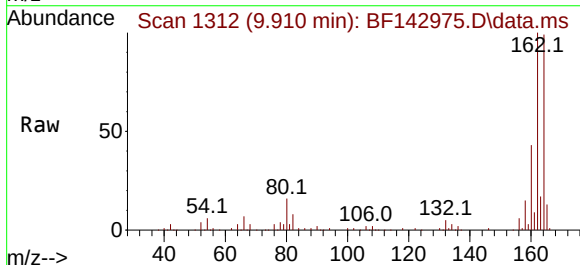
Instrument :
BNA_F
ClientSampleId :
TP-59

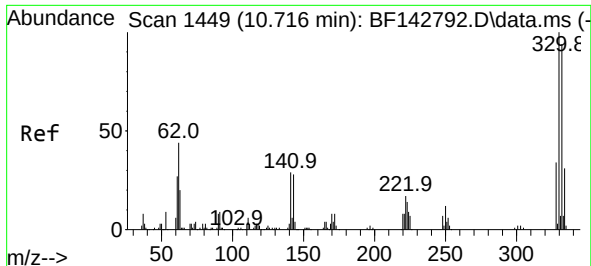
Tgt Ion: 82 Resp: 194994
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF142975.D
Acq: 02 Jul 2025 17:19

Tgt Ion:164 Resp: 120808
Ion Ratio Lower Upper
164 100
162 100.9 81.8 122.8
160 43.2 36.0 54.0

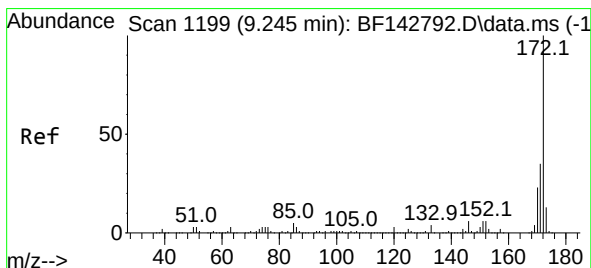
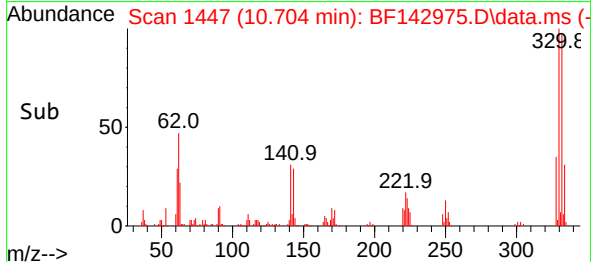
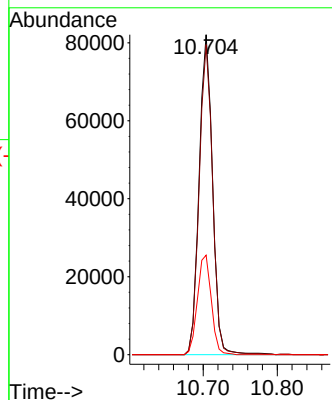
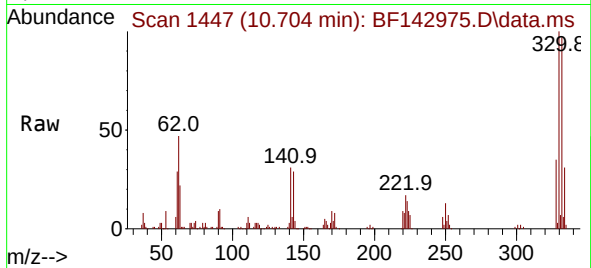




#42
2,4,6-Tribromophenol
Concen: 83.108 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF142975.D
Acq: 02 Jul 2025 17:19

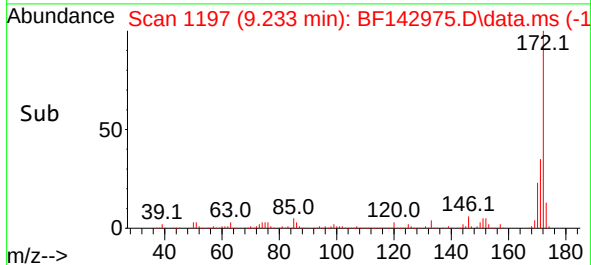
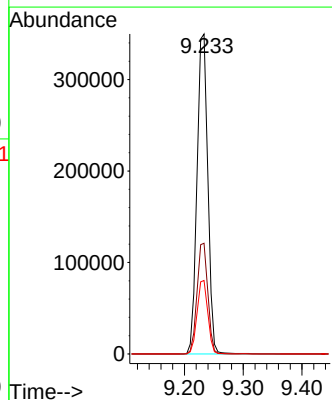
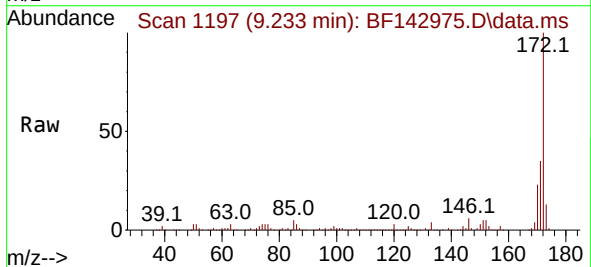
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BNA_F
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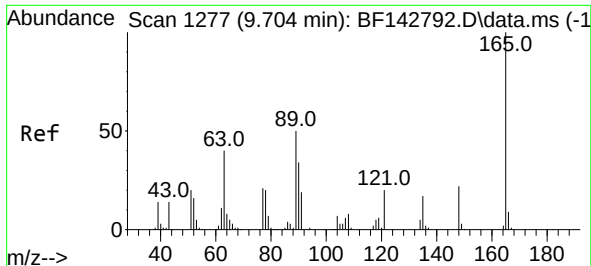
Tgt Ion: 330 Resp: 103320
Ion Ratio Lower Upper
330 100
332 97.0 75.0 112.6
141 32.1 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 48.642 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF142975.D
Acq: 02 Jul 2025 17:19

Tgt Ion: 172 Resp: 447320
Ion Ratio Lower Upper
172 100
171 34.6 28.2 42.4
170 23.0 18.5 27.7





#51

2,6-Dinitrotoluene

Concen: 8.750 ng

RT: 9.910 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF142975.D

Acq: 02 Jul 2025 17:19

Instrument :

BNA_F

ClientSampleId :

TP-59

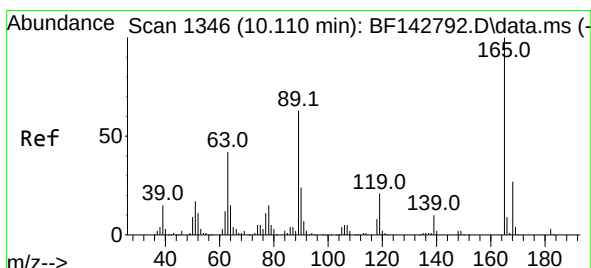
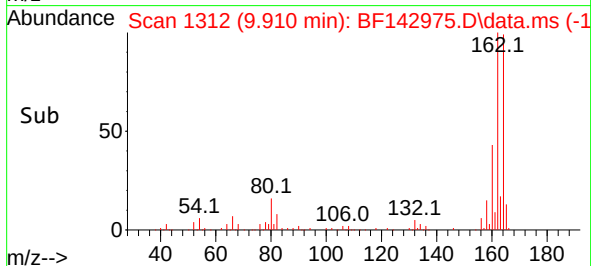
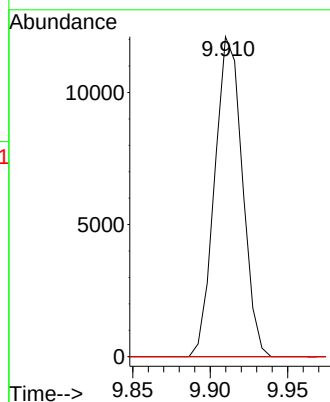
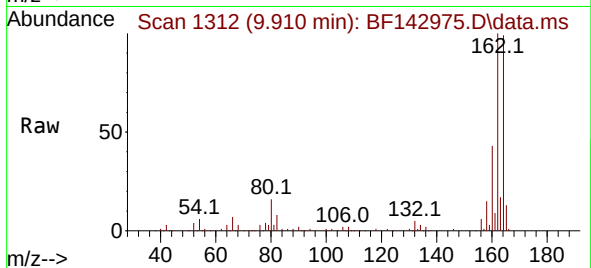
Tgt Ion:165 Resp: 15026

Ion Ratio Lower Upper

165 100

63 0.0 44.2 66.4#

89 0.0 39.8 59.8#



#57

2,4-Dinitrotoluene

Concen: 6.587 ng

RT: 9.910 min Scan# 1312

Delta R.T. -0.200 min

Lab File: BF142975.D

Acq: 02 Jul 2025 17:19

Tgt Ion:165 Resp: 15026

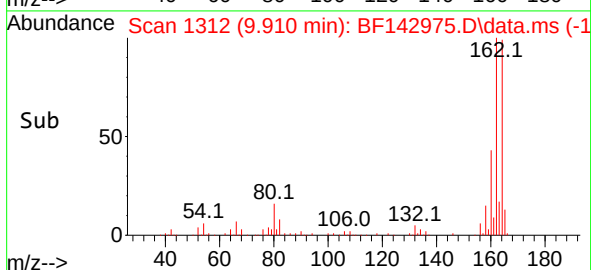
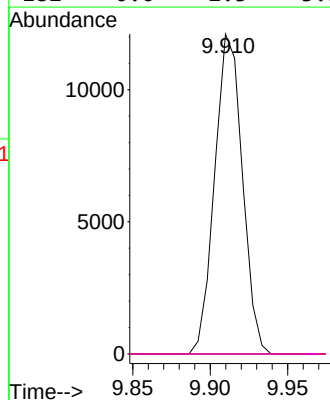
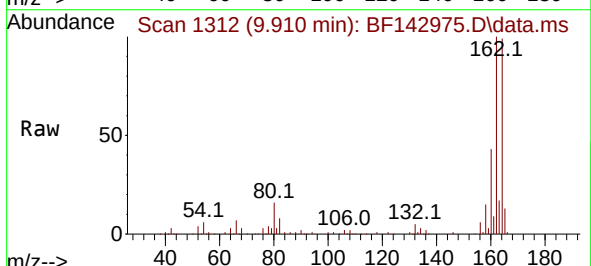
Ion Ratio Lower Upper

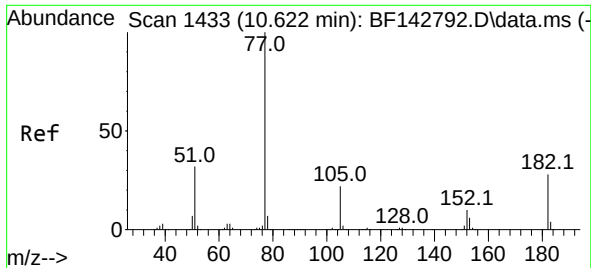
165 100

63 0.0 33.9 50.9#

89 0.0 50.6 75.8#

182 0.0 2.3 3.5#

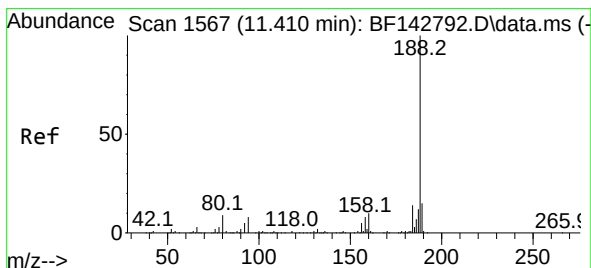
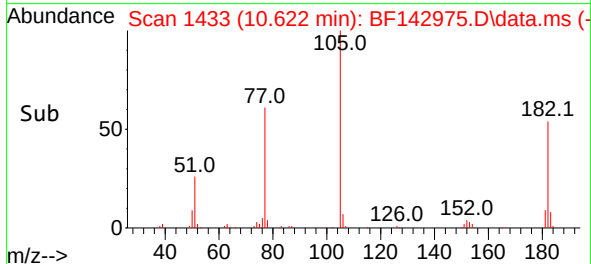
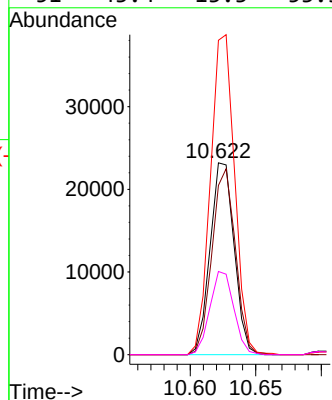
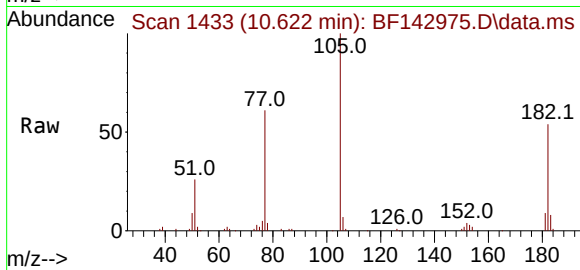




#63
 Azobenzene
 Concen: 4.336 ng
 RT: 10.622 min Scan# 1433
 Delta R.T. 0.000 min
 Lab File: BF142975.D
 Acq: 02 Jul 2025 17:19

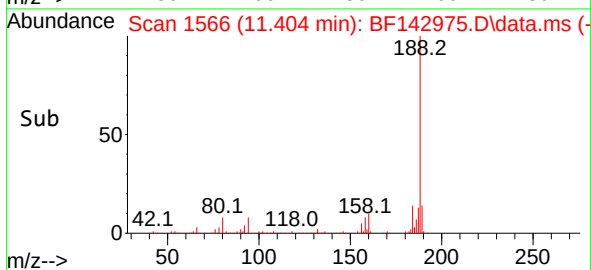
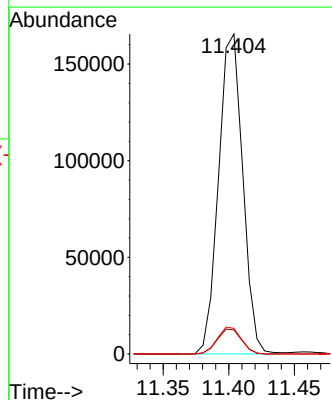
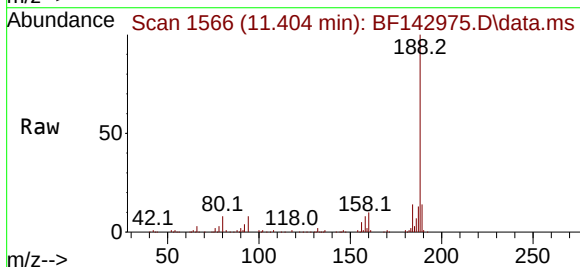
Instrument :
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 ClientSampleId :
 TP-59

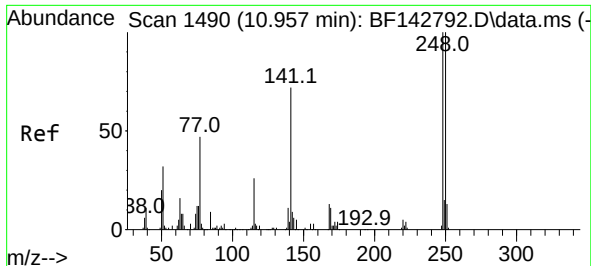
Tgt Ion:	77	Resp:	29711
Ion	Ratio	Lower	Upper
77	100		
182	88.3	7.7	47.7#
105	163.9	1.9	41.9#
51	43.4	13.3	53.3



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.404 min Scan# 1566
 Delta R.T. -0.006 min
 Lab File: BF142975.D
 Acq: 02 Jul 2025 17:19

Tgt Ion:	188	Resp:	212211
Ion	Ratio	Lower	Upper
188	100		
94	7.5	6.7	10.1
80	8.0	6.9	10.3

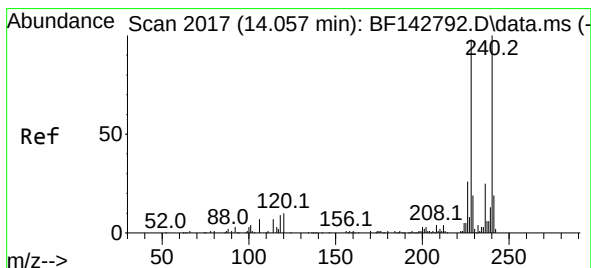
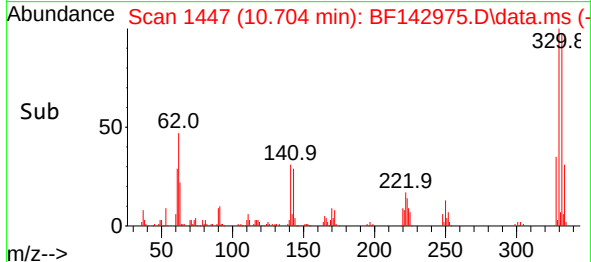
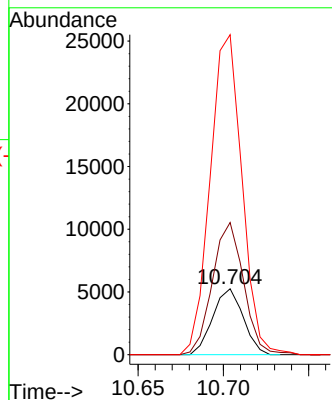
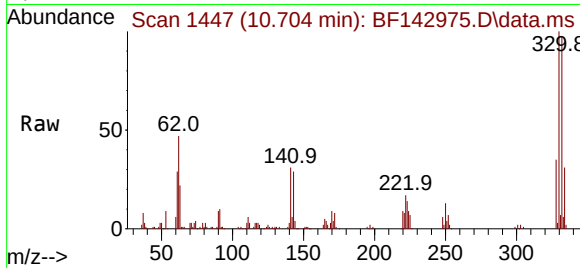




#67
4-Bromophenyl-phenylether
Concen: 2.708 ng
RT: 10.704 min Scan# 1490
Delta R.T. -0.253 min
Lab File: BF142975.D
Acq: 02 Jul 2025 17:19

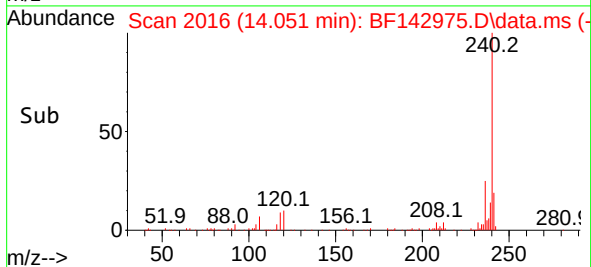
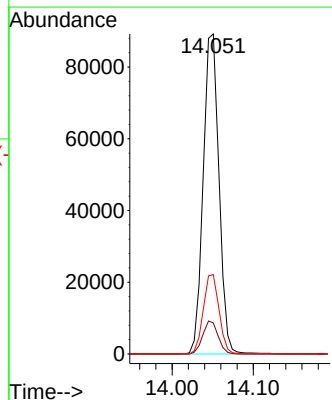
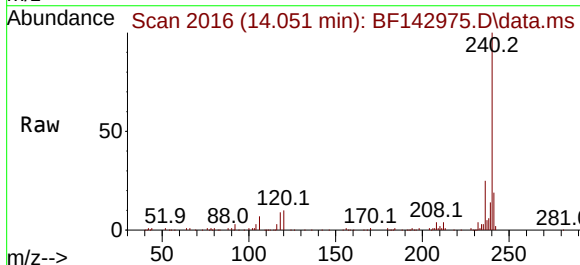
Instrument :
BNA_F
ClientSampleId :
TP-59

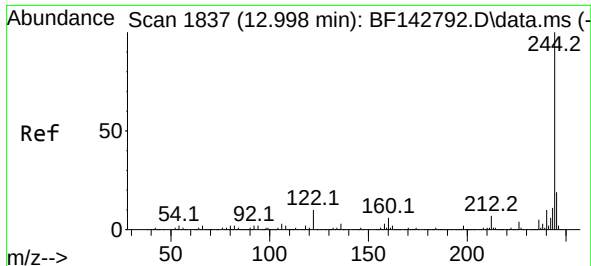
Tgt Ion:248 Resp: 6541
Ion Ratio Lower Upper
248 100
250 200.6 79.8 119.8#
141 485.9 57.8 86.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142975.D
Acq: 02 Jul 2025 17:19

Tgt Ion:240 Resp: 120436
Ion Ratio Lower Upper
240 100
120 9.7 8.2 12.2
236 24.8 19.8 29.8

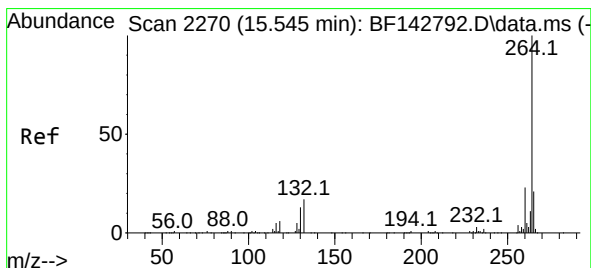
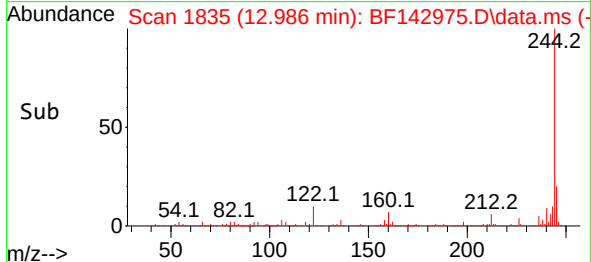
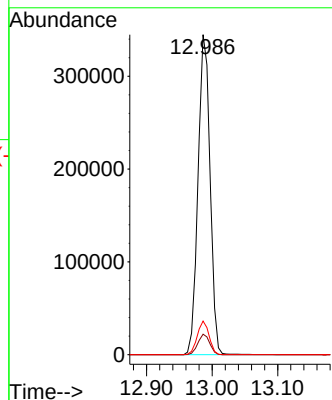
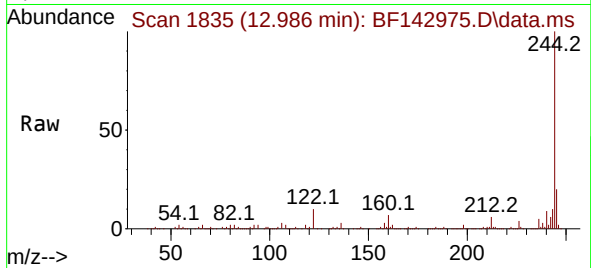




#79
 Terphenyl-d14
 Concen: 50.557 ng
 RT: 12.986 min Scan# 1835
 Delta R.T. -0.012 min
 Lab File: BF142975.D
 Acq: 02 Jul 2025 17:19

Instrument :
 BNA_F
 ClientSampleId :
 TP-59

Tgt Ion:244 Resp: 440678
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.0
 122 10.5 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 2269
 Delta R.T. -0.006 min
 Lab File: BF142975.D
 Acq: 02 Jul 2025 17:19

Tgt Ion:264 Resp: 122074
 Ion Ratio Lower Upper
 264 100
 260 22.3 18.1 27.1
 265 21.6 16.6 25.0

