

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
 Data File : BF142910.D
 Acq On : 30 Jun 2025 11:17
 Operator : RC/JU
 Sample : Q2429-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Quant Time: Jun 30 12:00:35 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)

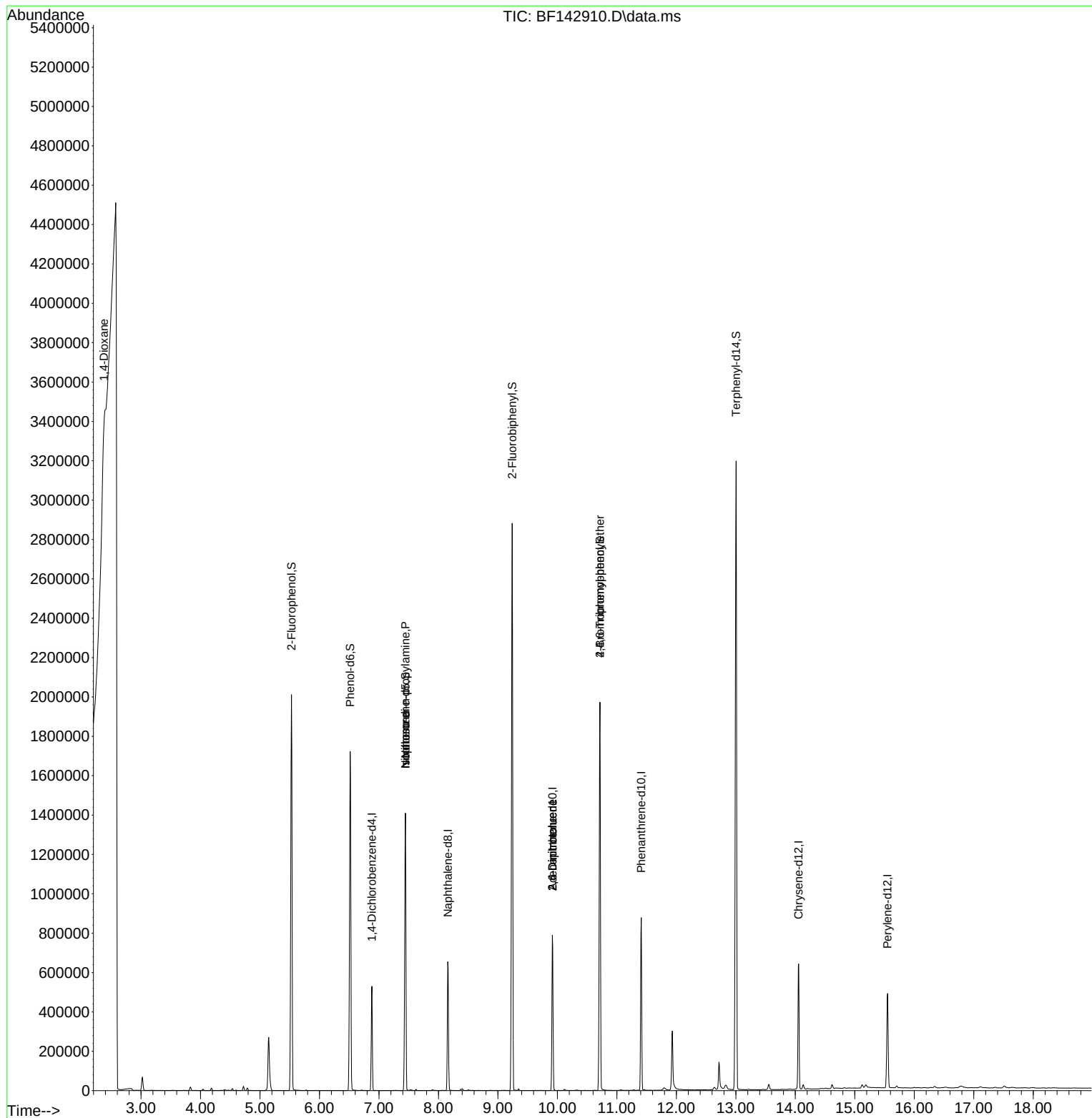
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	115573	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	445560	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	247926	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	460972	20.000	ng	0.00
76) Chrysene-d12	14.057	240	325113	20.000	ng	0.00
86) Perylene-d12	15.551	264	294056	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	834573	120.227	ng	0.04
7) Phenol-d6	6.516	99	929247	113.464	ng	0.00
23) Nitrobenzene-d5	7.445	82	686547	84.518	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	394430	154.598	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1455958	77.146	ng	0.00
79) Terphenyl-d14	13.004	244	1757954	74.712	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.375	88	6790	2.446	ng	# 60
19) n-Nitroso-di-n-propyla...	7.445	70	93202	19.567	ng	# 74
25) Isophorone	7.445	82	686543	52.686	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	31082	8.819	ng	# 27
57) 2,4-Dinitrotoluene	9.916	165	31082	6.639	ng	# 28
67) 4-Bromophenyl-phenylether	10.716	248	24871	4.741	ng	# 1

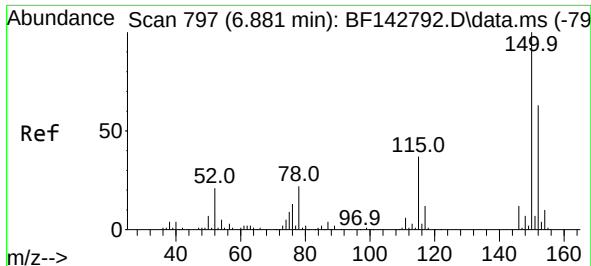
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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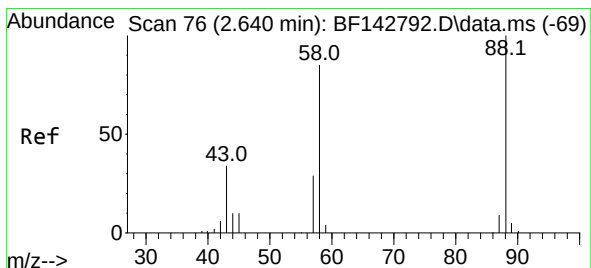
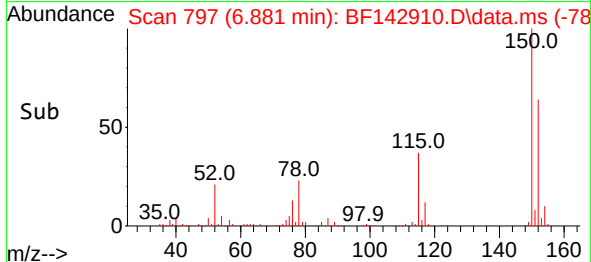
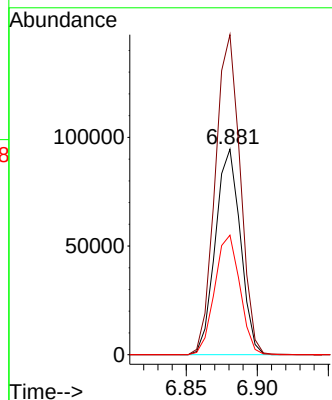
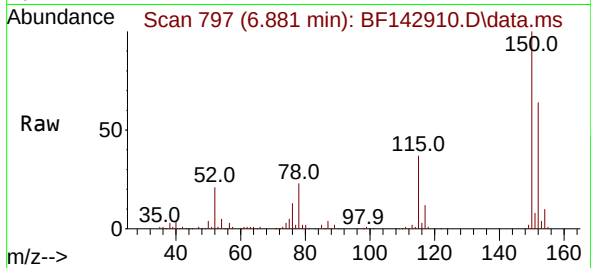




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 79
 Delta R.T. -0.000 min
 Lab File: BF142910.D
 Acq: 30 Jun 2025 11:17

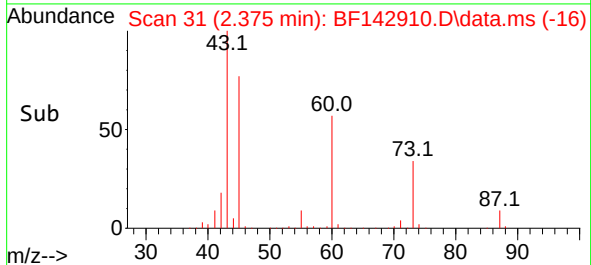
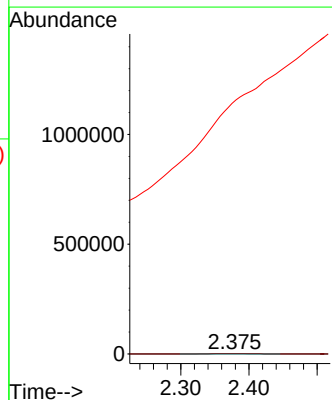
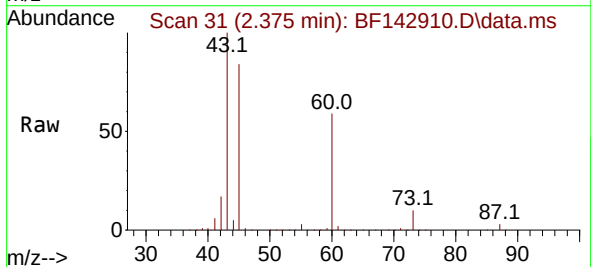
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 BNA_F
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 TP-4

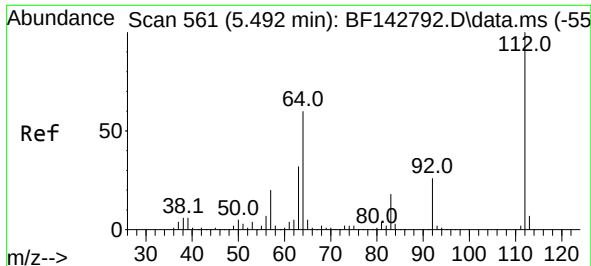
Tgt Ion:152 Resp: 115573
 Ion Ratio Lower Upper
 152 100
 150 155.7 127.2 190.8
 115 58.1 46.6 69.8



#2
 1,4-Dioxane
 Concen: 2.446 ng
 RT: 2.375 min Scan# 31
 Delta R.T. -0.265 min
 Lab File: BF142910.D
 Acq: 30 Jun 2025 11:17

Tgt Ion: 88 Resp: 6790
 Ion Ratio Lower Upper
 88 100
 58 57.3 69.1 103.7#
 43 0.0 27.4 41.2#

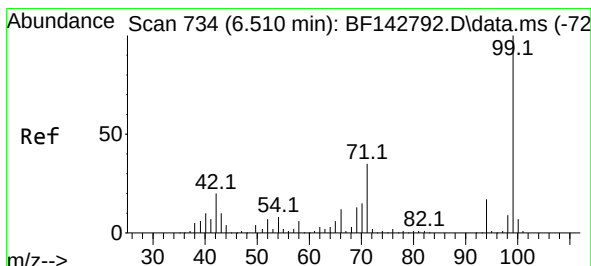
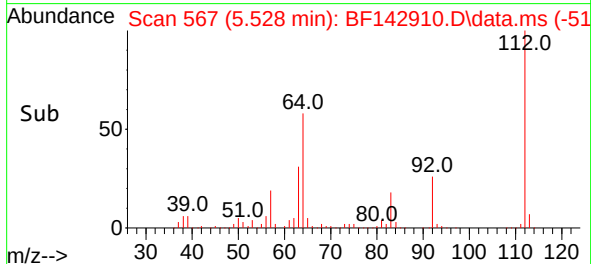
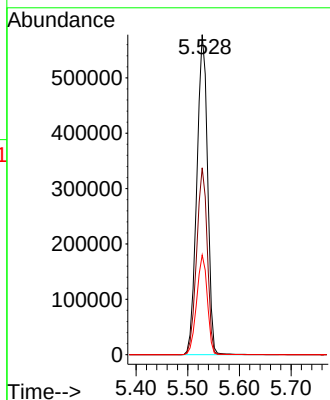
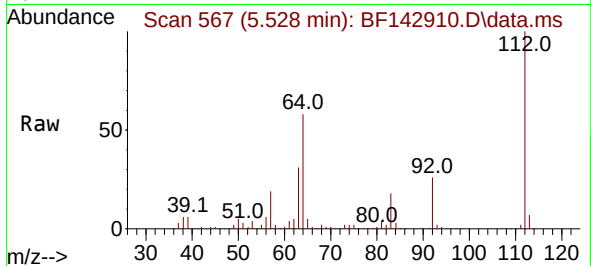




#5
2-Fluorophenol
Concen: 120.227 ng
RT: 5.528 min Scan# 50
Delta R.T. 0.036 min
Lab File: BF142910.D
Acq: 30 Jun 2025 11:17

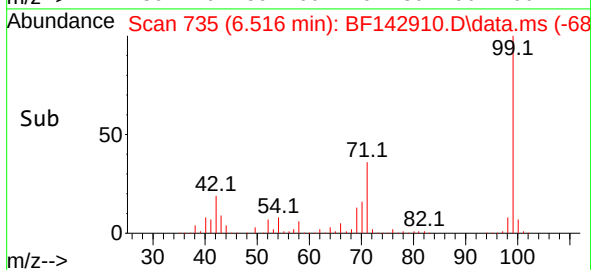
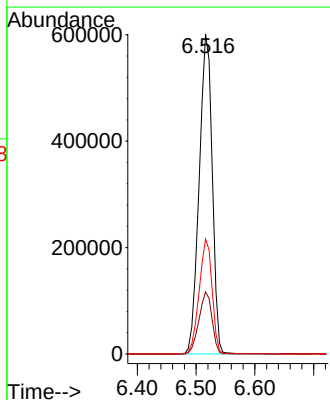
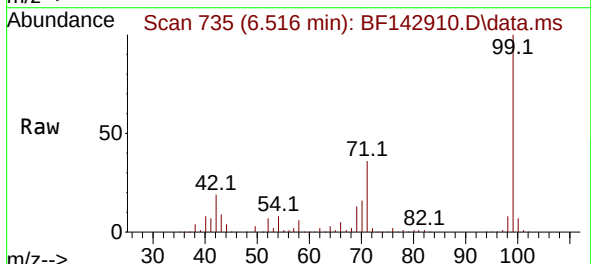
Instrument :
BNA_F
ClientSampleId :
TP-4

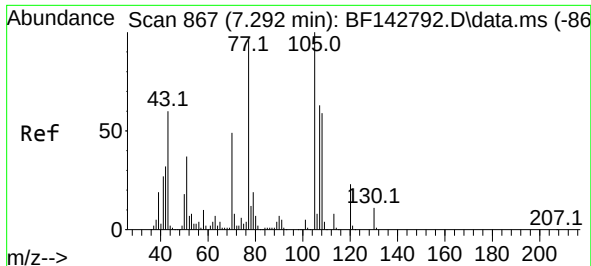
Tgt Ion:112 Resp: 834573
Ion Ratio Lower Upper
112 100
64 58.4 48.2 72.2
63 31.1 25.7 38.5



#7
Phenol-d6
Concen: 113.464 ng
RT: 6.516 min Scan# 735
Delta R.T. 0.006 min
Lab File: BF142910.D
Acq: 30 Jun 2025 11:17

Tgt Ion: 99 Resp: 929247
Ion Ratio Lower Upper
99 100
42 19.4 15.9 23.9
71 35.9 27.8 41.8

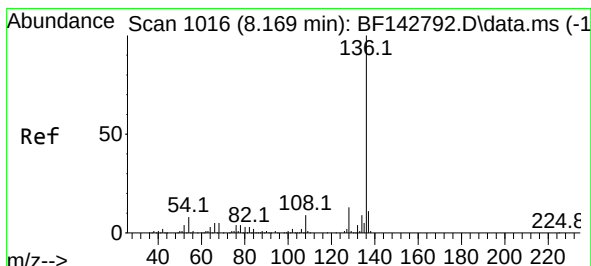
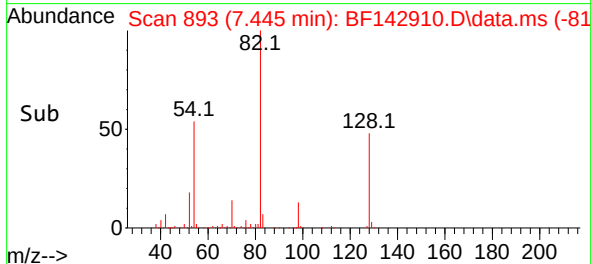
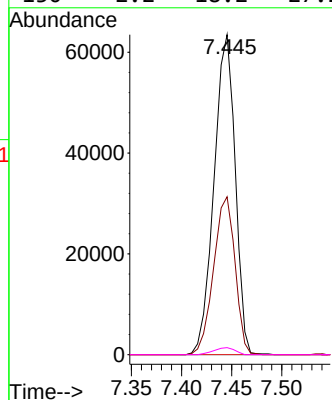
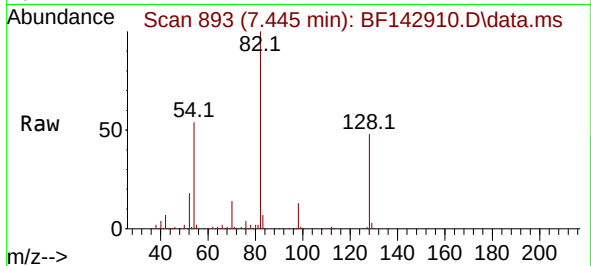




#19
n-Nitroso-di-n-propylamine
Concen: 19.567 ng
RT: 7.445 min Scan# 893
Delta R.T. 0.153 min
Lab File: BF142910.D
Acq: 30 Jun 2025 11:17

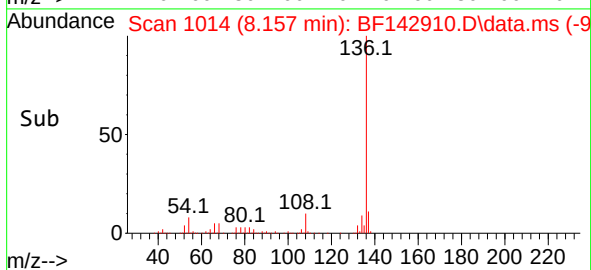
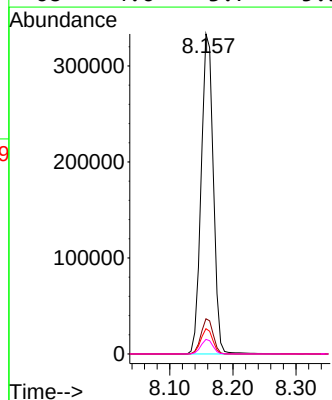
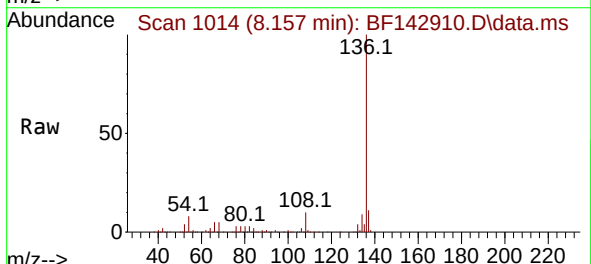
Instrument :
BNA_F
ClientSampleId :
TP-4

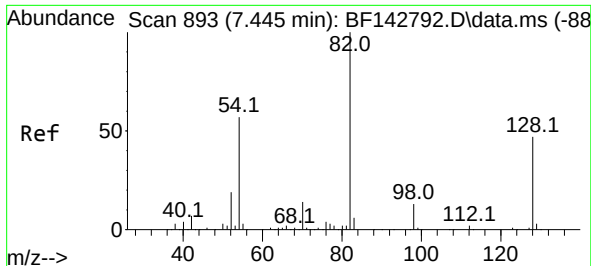
Tgt Ion:	70	Resp:	93202
Ion	Ratio	Lower	Upper
70	100		
42	49.4	52.1	78.1#
101	0.0	8.2	12.2#
130	2.2	18.2	27.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142910.D
Acq: 30 Jun 2025 11:17

Tgt Ion:	136	Resp:	445560
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	7.9	6.3	9.5
68	4.6	3.7	5.5

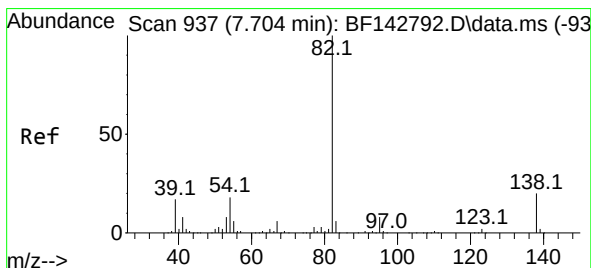
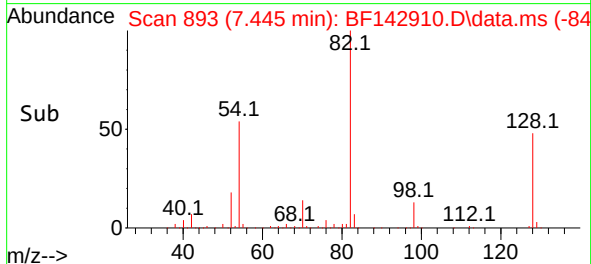
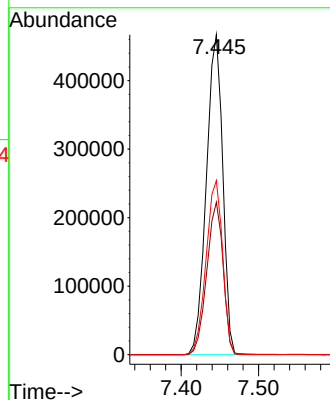
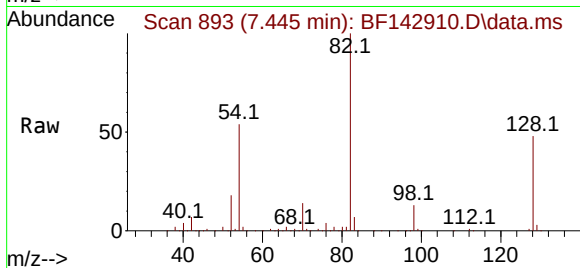




#23
Nitrobenzene-d5
Concen: 84.518 ng
RT: 7.445 min Scan# 893
Delta R.T. 0.000 min
Lab File: BF142910.D
Acq: 30 Jun 2025 11:17

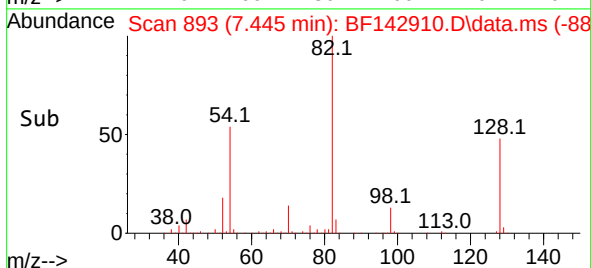
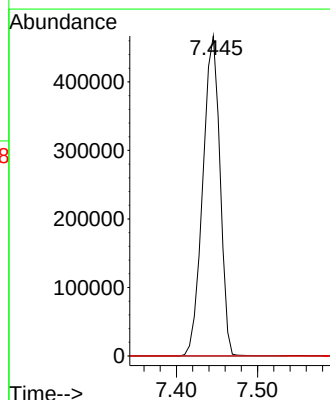
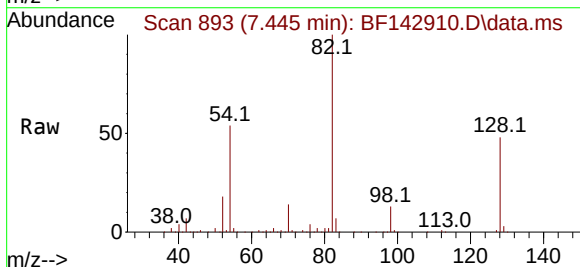
Instrument :
BNA_F
ClientSampleId :
TP-4

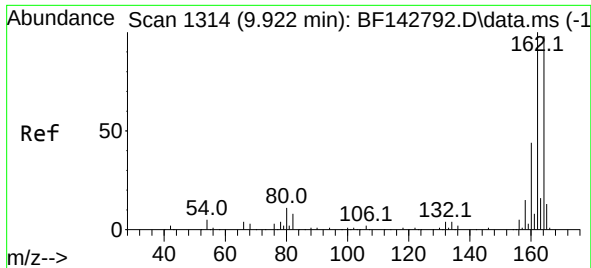
Tgt Ion: 82 Resp: 686547
Ion Ratio Lower Upper
82 100
128 47.6 37.7 56.5
54 54.4 45.7 68.5



#25
Isophorone
Concen: 52.686 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.259 min
Lab File: BF142910.D
Acq: 30 Jun 2025 11:17

Tgt Ion: 82 Resp: 686543
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#

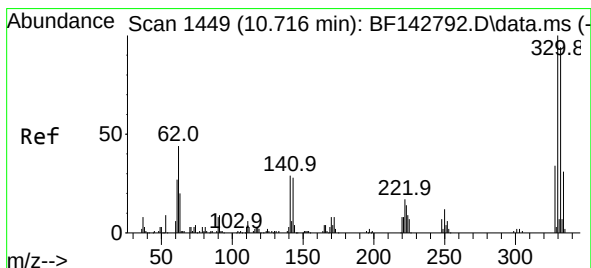
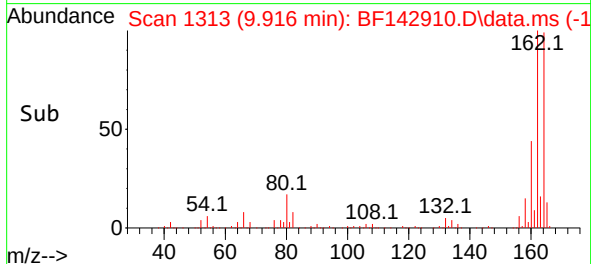
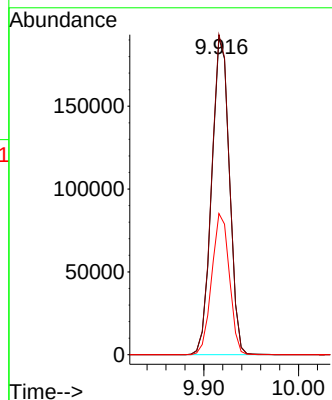
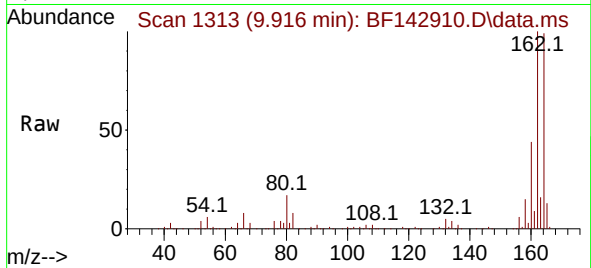




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142910.D
Acq: 30 Jun 2025 11:17

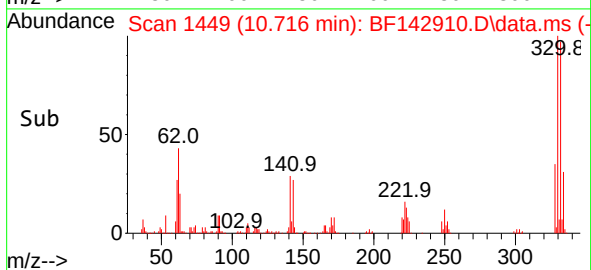
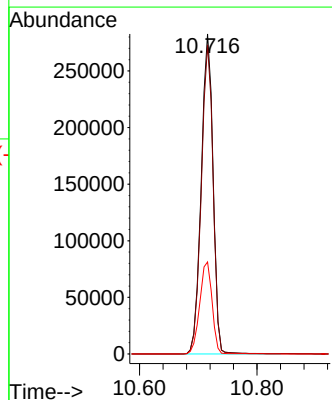
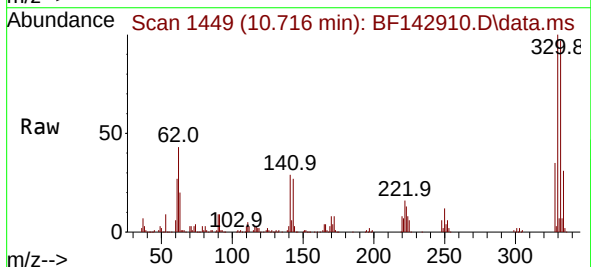
Instrument :
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ClientSampleId :
TP-4

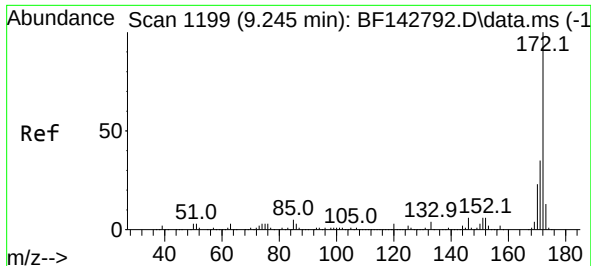
Tgt Ion:164 Resp: 247926
Ion Ratio Lower Upper
164 100
162 101.0 81.8 122.8
160 44.5 36.0 54.0



#42
2,4,6-Tribromophenol
Concen: 154.598 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BF142910.D
Acq: 30 Jun 2025 11:17

Tgt Ion:330 Resp: 394430
Ion Ratio Lower Upper
330 100
332 96.4 75.0 112.6
141 30.1 25.3 37.9





#45

2-Fluorobiphenyl

Concen: 77.146 ng

RT: 9.239 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF142910.D

Acq: 30 Jun 2025 11:17

Instrument :

BNA_F

ClientSampleId :

TP-4

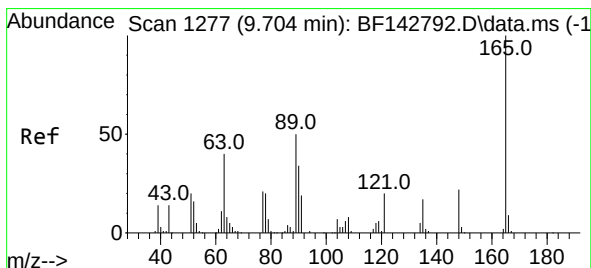
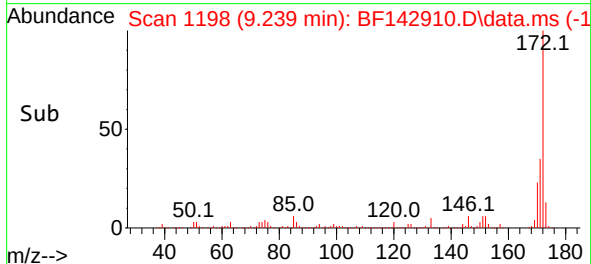
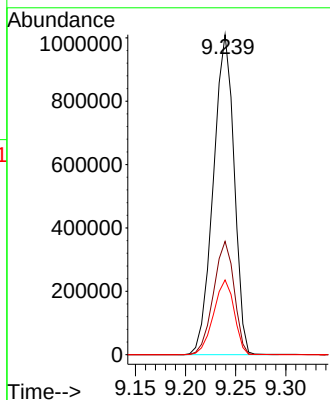
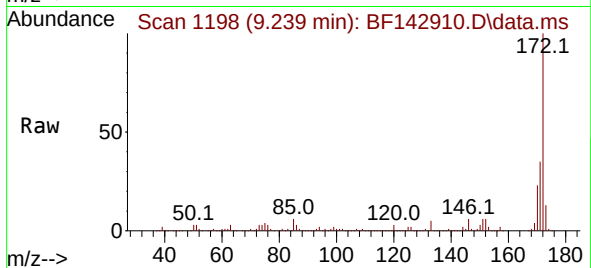
Tgt Ion:172 Resp: 1455958

Ion Ratio Lower Upper

172 100

171 35.4 28.2 42.4

170 23.4 18.5 27.7



#51

2,6-Dinitrotoluene

Concen: 8.819 ng

RT: 9.916 min Scan# 1313

Delta R.T. 0.212 min

Lab File: BF142910.D

Acq: 30 Jun 2025 11:17

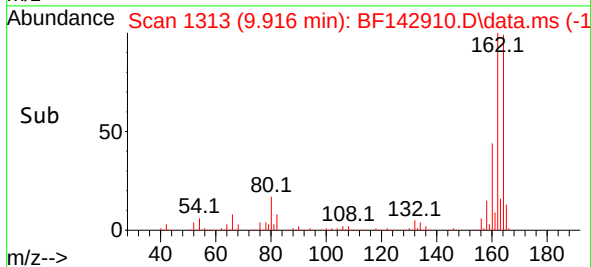
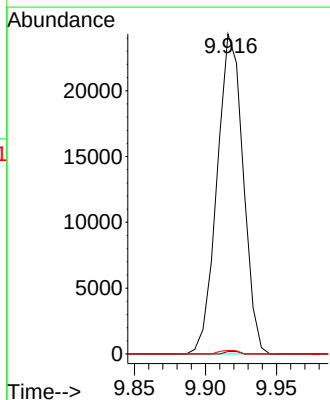
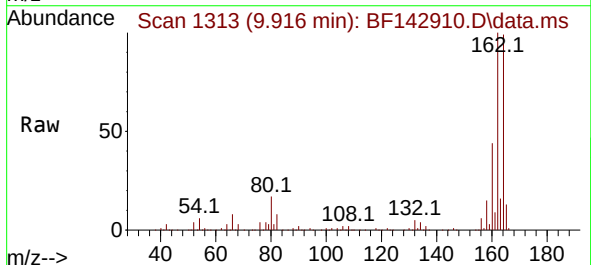
Tgt Ion:165 Resp: 31082

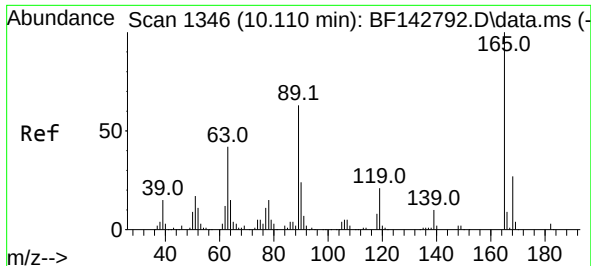
Ion Ratio Lower Upper

165 100

63 0.8 44.2 66.4#

89 1.1 39.8 59.8#

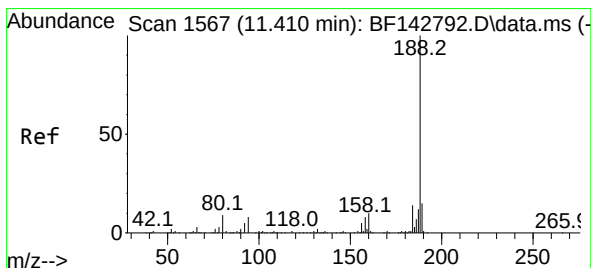
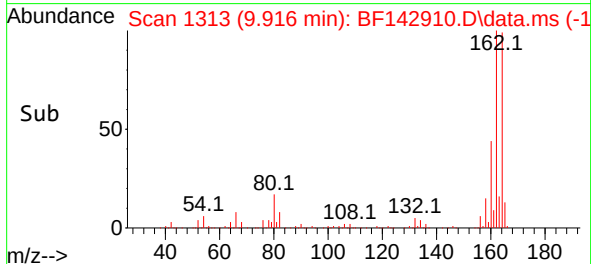
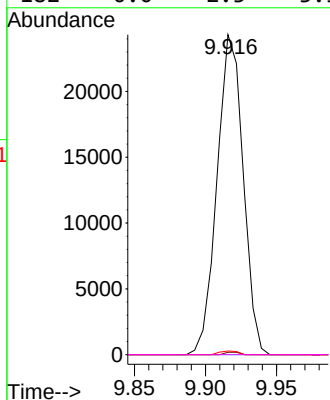
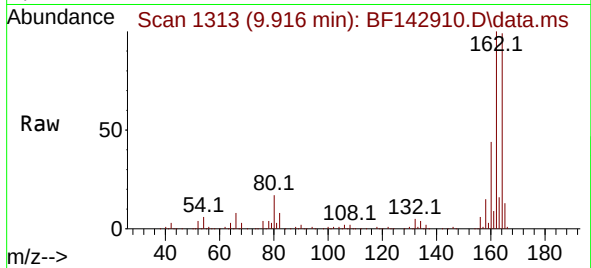




#57
2,4-Dinitrotoluene
Concen: 6.639 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF142910.D
Acq: 30 Jun 2025 11:17

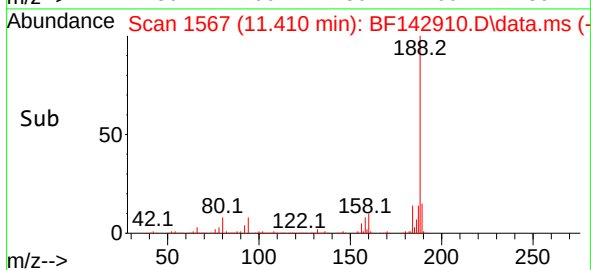
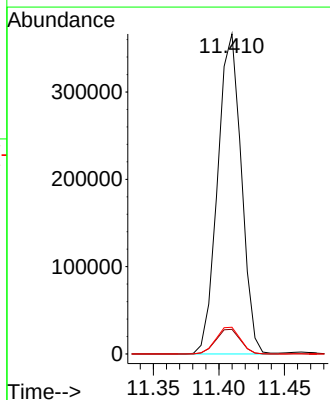
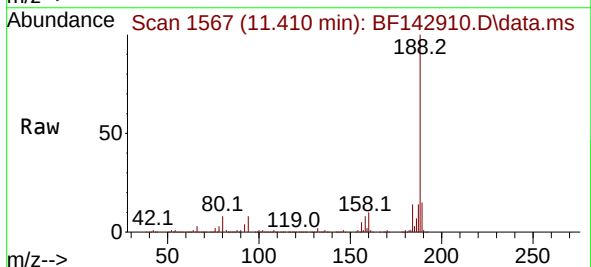
Instrument :
BNA_F
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TP-4

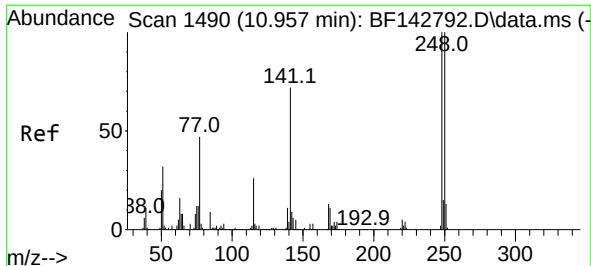
Tgt Ion:165 Resp: 31082
Ion Ratio Lower Upper
165 100
63 0.8 33.9 50.9#
89 1.1 50.6 75.8#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF142910.D
Acq: 30 Jun 2025 11:17

Tgt Ion:188 Resp: 460972
Ion Ratio Lower Upper
188 100
94 7.7 6.7 10.1
80 8.3 6.9 10.3

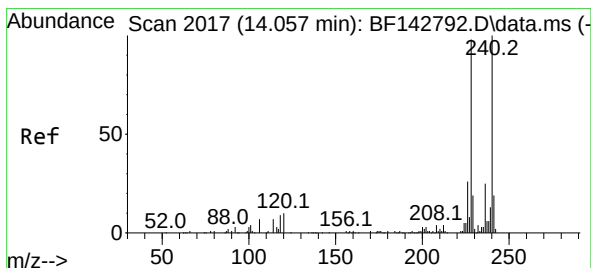
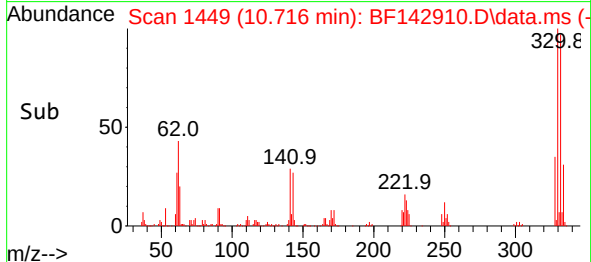
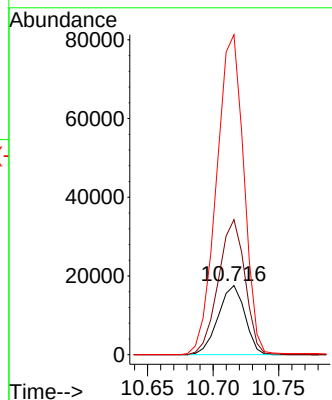
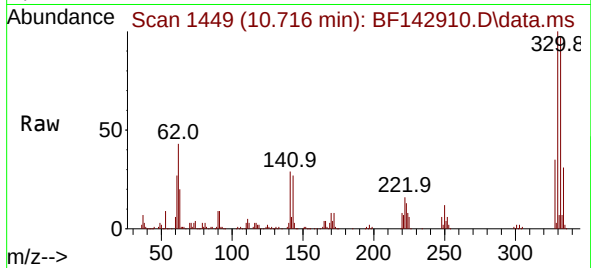




#67
4-Bromophenyl-phenylether
Concen: 4.741 ng
RT: 10.716 min Scan# 14
Delta R.T. -0.241 min
Lab File: BF142910.D
Acq: 30 Jun 2025 11:17

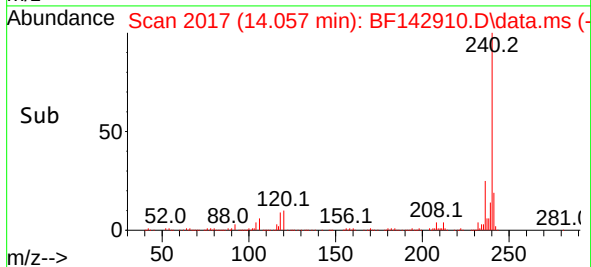
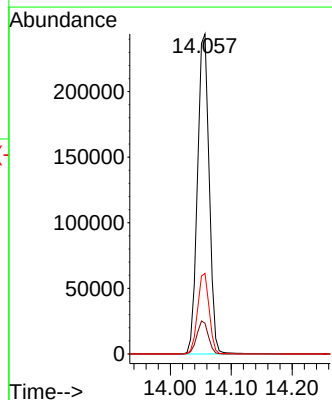
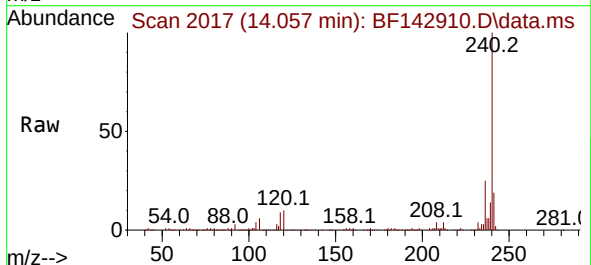
Instrument :
BNA_F
ClientSampleId :
TP-4

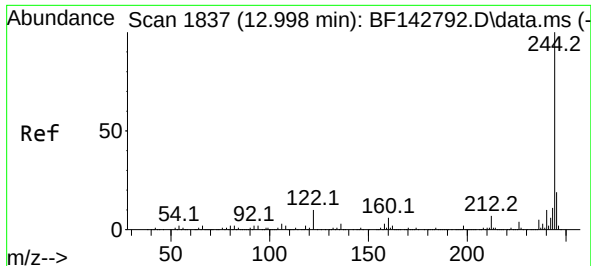
Tgt Ion:248 Resp: 24871
Ion Ratio Lower Upper
248 100
250 195.3 79.8 119.8#
141 462.6 57.8 86.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF142910.D
Acq: 30 Jun 2025 11:17

Tgt Ion:240 Resp: 325113
Ion Ratio Lower Upper
240 100
120 9.6 8.2 12.2
236 25.2 19.8 29.8

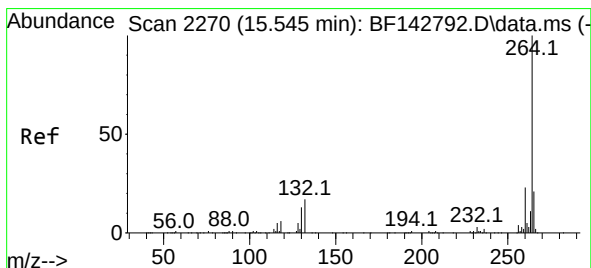
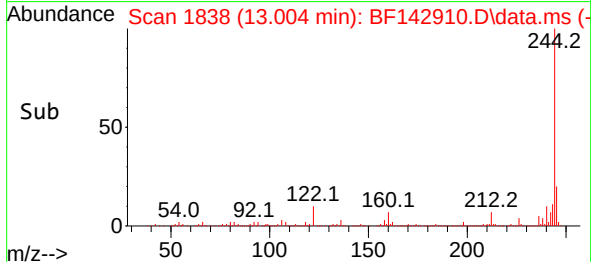
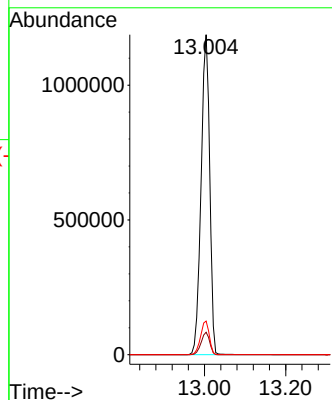
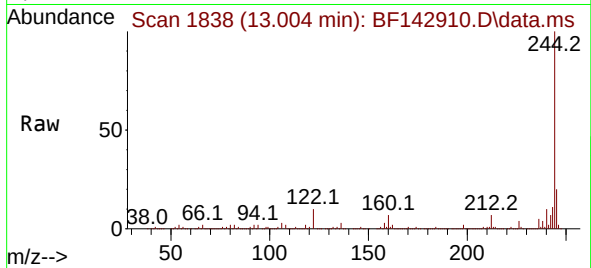




#79
 Terphenyl-d14
 Concen: 74.712 ng
 RT: 13.004 min Scan# 1838
 Delta R.T. 0.006 min
 Lab File: BF142910.D
 Acq: 30 Jun 2025 11:17

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Tgt Ion:244 Resp: 1757954
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 10.5 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.551 min Scan# 2271
 Delta R.T. 0.006 min
 Lab File: BF142910.D
 Acq: 30 Jun 2025 11:17

Tgt Ion:264 Resp: 294056
 Ion Ratio Lower Upper
 264 100
 260 23.0 18.1 27.1
 265 21.4 16.6 25.0

