

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
 Data File : BF142822.D
 Acq On : 24 Jun 2025 16:30
 Operator : RC/JU
 Sample : Q2392-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-1

Quant Time: Jun 24 16:52:41 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)

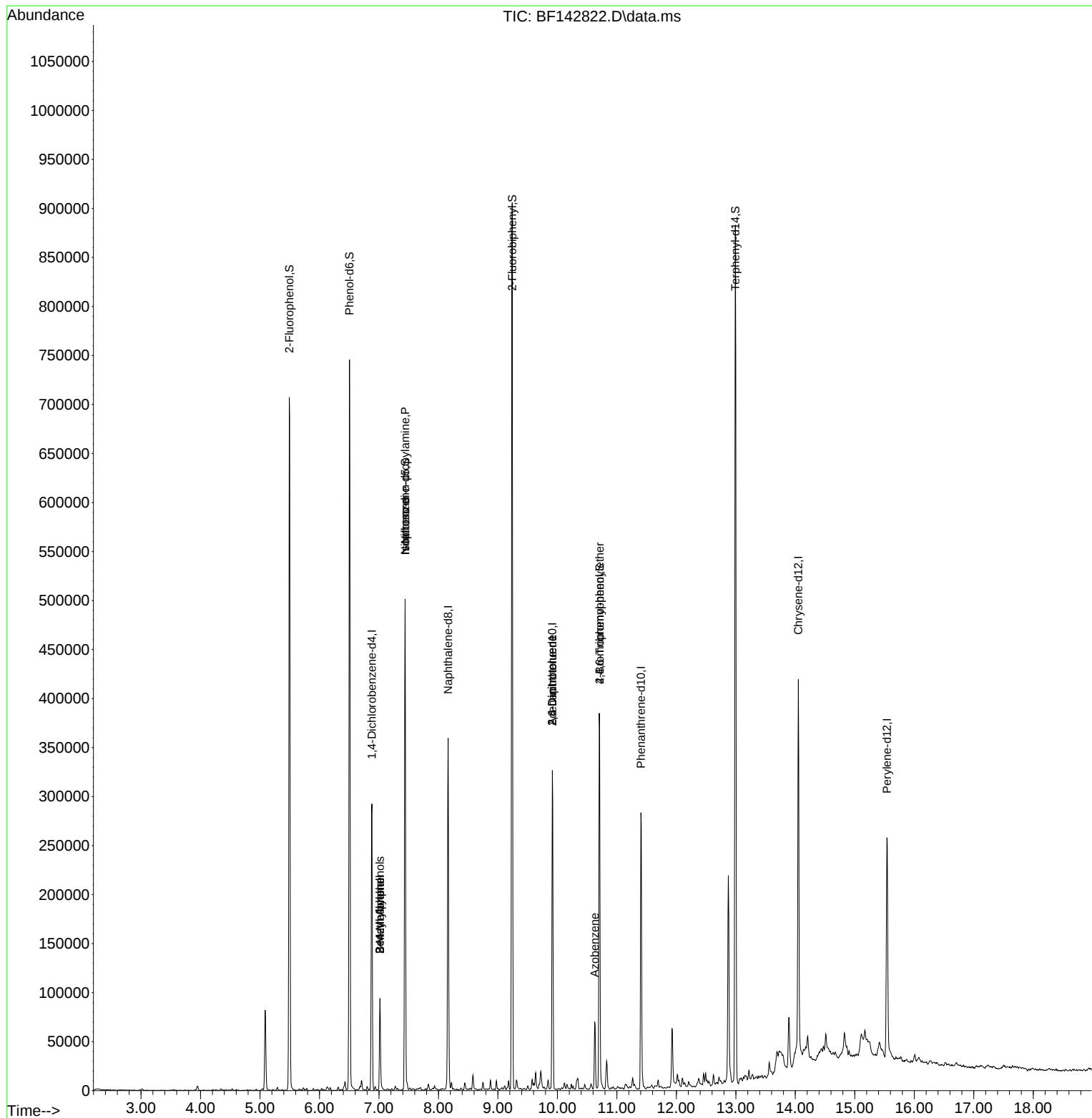
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	65181	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	225495	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	97224	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	150733	20.000	ng	0.00
76) Chrysene-d12	14.051	240	174997	20.000	ng	0.00
86) Perylene-d12	15.539	264	128764	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	274646	70.153	ng	0.00
7) Phenol-d6	6.504	99	328836	71.194	ng	0.00
23) Nitrobenzene-d5	7.439	82	204334	49.703	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	64950	64.917	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	409207	55.291	ng	0.00
79) Terphenyl-d14	12.992	244	412441	32.565	ng	0.00
Target Compounds						
						Qvalue
15) Benzyl Alcohol	7.016	79	25541	7.649	ng	98
17) 2-Methylphenol	7.016	107	13709	4.284	ng	# 13
19) n-Nitroso-di-n-propyla...	7.439	70	27640	10.289	ng	# 76
20) 3+4-Methylphenols	7.016	107	13467	3.375	ng	# 40
25) Isophorone	7.439	82	202917	30.769	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	12869	9.311	ng	# 26
57) 2,4-Dinitrotoluene	9.916	165	12869	7.010	ng	# 26
63) Azobenzene	10.627	77	15898	2.883	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	4342	2.531	ng	# 1

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

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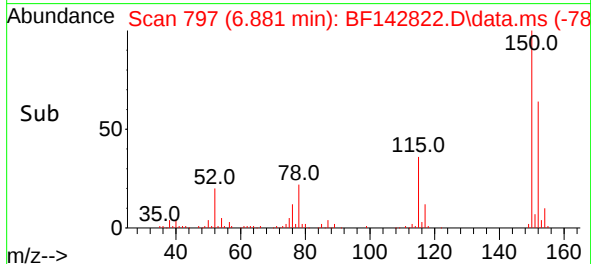
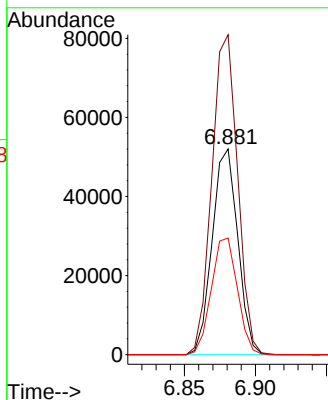
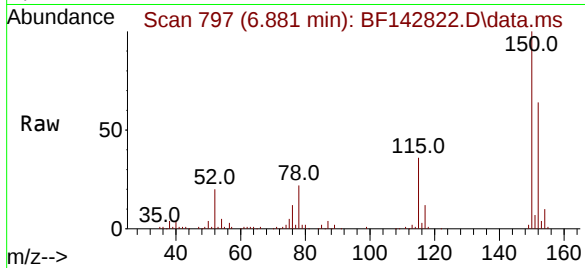




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 797
 Delta R.T. -0.000 min
 Lab File: BF142822.D
 Acq: 24 Jun 2025 16:30

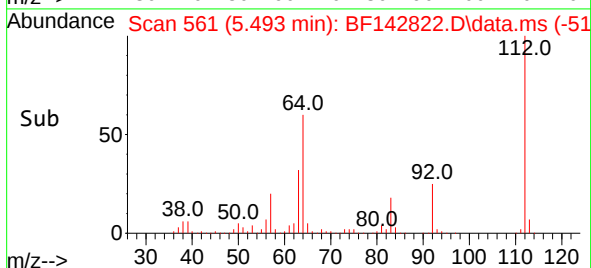
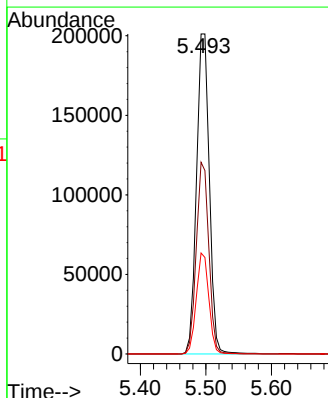
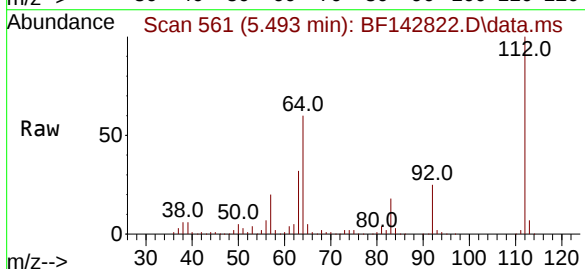
Instrument :
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 ClientSampleId :
 S-1

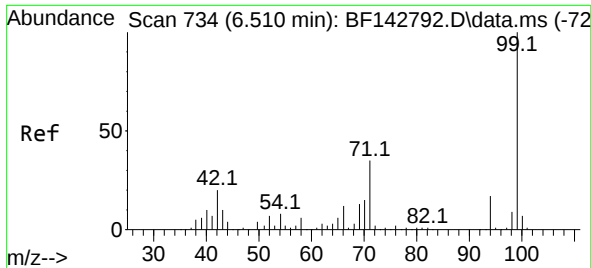
Tgt Ion:152 Resp: 65181
 Ion Ratio Lower Upper
 152 100
 150 155.5 127.2 190.8
 115 56.7 46.6 69.8



#5
 2-Fluorophenol
 Concen: 70.153 ng
 RT: 5.493 min Scan# 561
 Delta R.T. 0.001 min
 Lab File: BF142822.D
 Acq: 24 Jun 2025 16:30

Tgt Ion:112 Resp: 274646
 Ion Ratio Lower Upper
 112 100
 64 59.9 48.2 72.2
 63 31.6 25.7 38.5

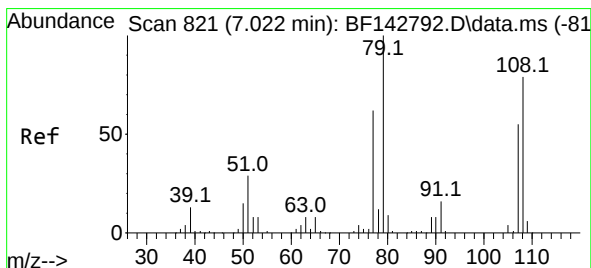
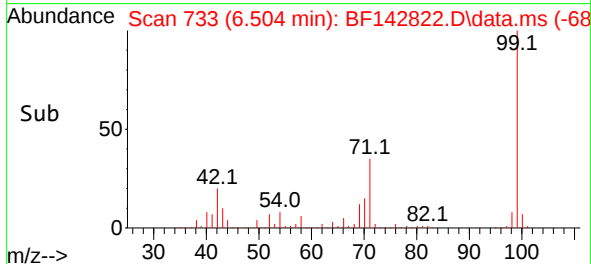
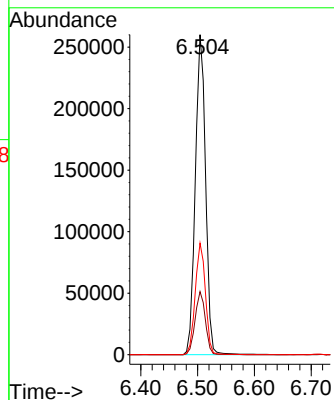
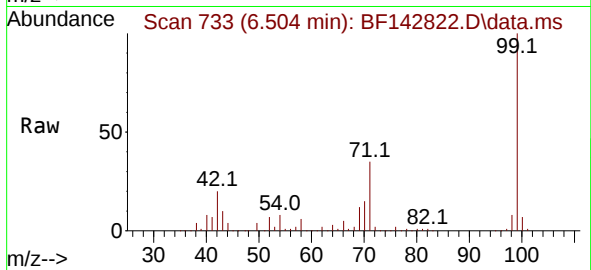




#7
Phenol-d6
Concen: 71.194 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142822.D
Acq: 24 Jun 2025 16:30

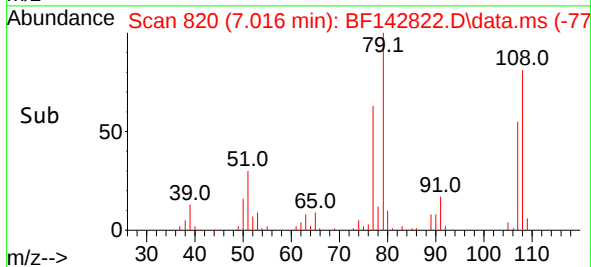
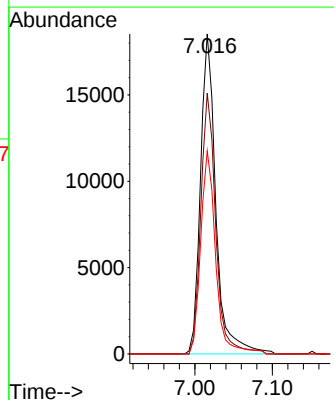
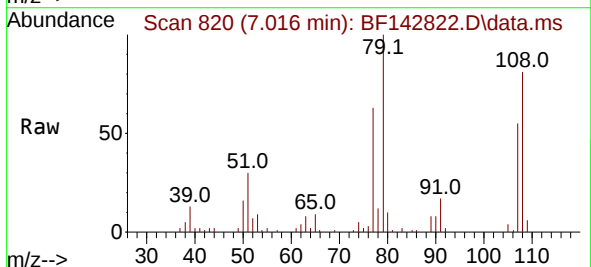
Instrument :
BNA_F
ClientSampleId :
S-1

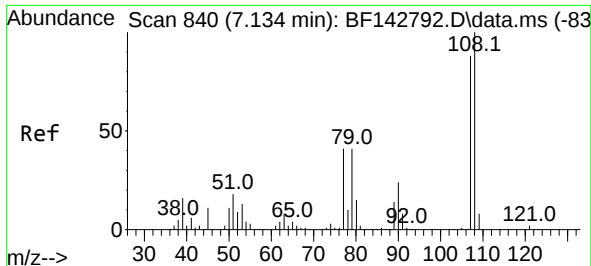
Tgt Ion: 99 Resp: 328836
Ion Ratio Lower Upper
99 100
42 19.7 15.9 23.9
71 34.8 27.8 41.8



#15
Benzyl Alcohol
Concen: 7.649 ng
RT: 7.016 min Scan# 820
Delta R.T. -0.006 min
Lab File: BF142822.D
Acq: 24 Jun 2025 16:30

Tgt Ion: 79 Resp: 25541
Ion Ratio Lower Upper
79 100
108 81.5 63.4 95.0
77 63.4 49.5 74.3

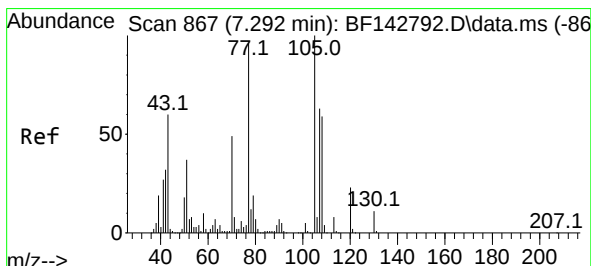
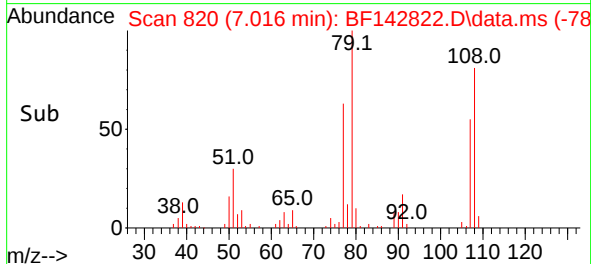
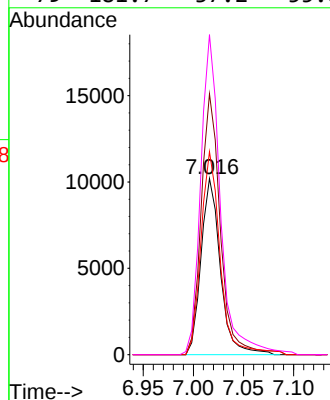
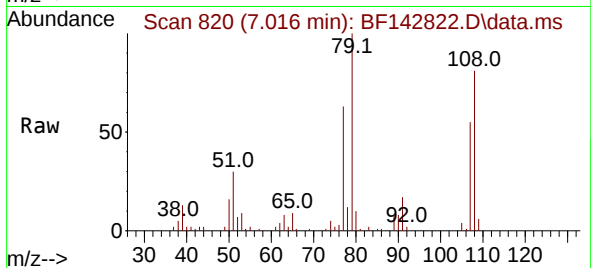




#17
2-Methylphenol
Concen: 4.284 ng
RT: 7.016 min Scan# 81
Delta R.T. -0.118 min
Lab File: BF142822.D
Acq: 24 Jun 2025 16:30

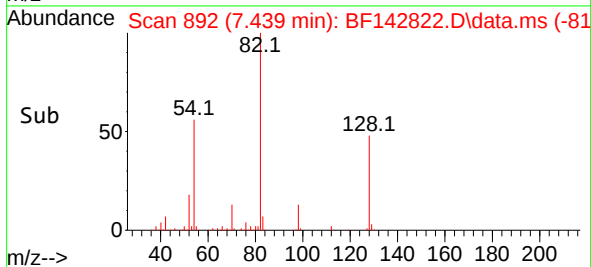
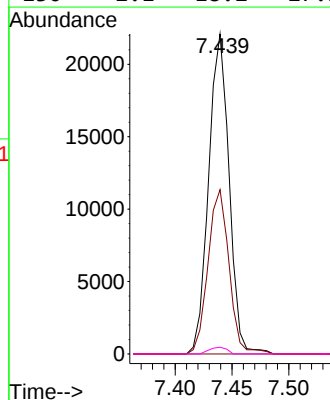
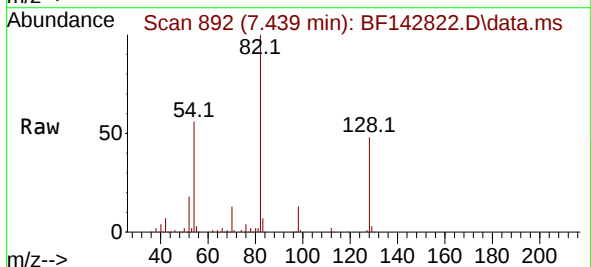
Instrument :
BNA_F
ClientSampleId :
S-1

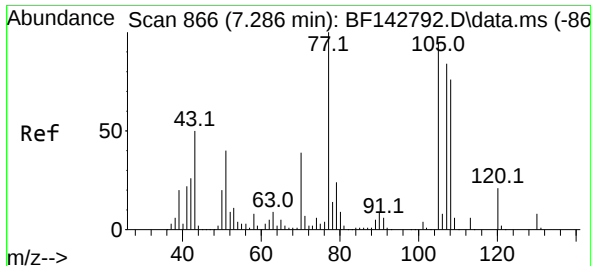
Tgt Ion:	107	Resp:	13709
Ion	Ratio	Lower	Upper
107	100		
108	148.0	90.9	136.3#
77	115.2	37.3	55.9#
79	181.7	37.2	55.8#



#19
n-Nitroso-di-n-propylamine
Concen: 10.289 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.147 min
Lab File: BF142822.D
Acq: 24 Jun 2025 16:30

Tgt Ion:	70	Resp:	27640
Ion	Ratio	Lower	Upper
70	100		
42	51.3	52.1	78.1#
101	0.0	8.2	12.2#
130	2.1	18.2	27.2#

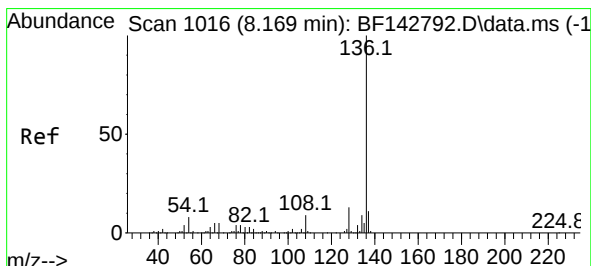
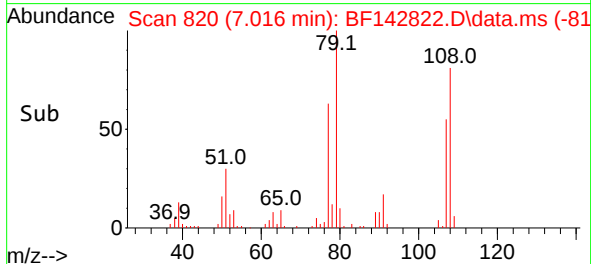
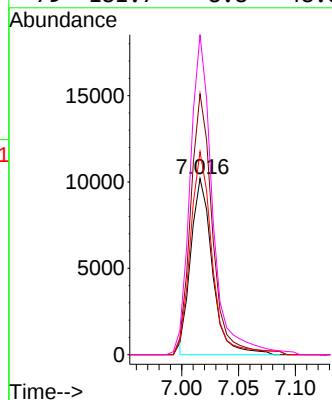
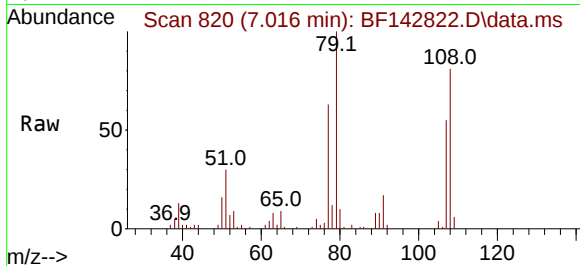




#20
3+4-Methylphenols
Concen: 3.375 ng
RT: 7.016 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF142822.D
Acq: 24 Jun 2025 16:30

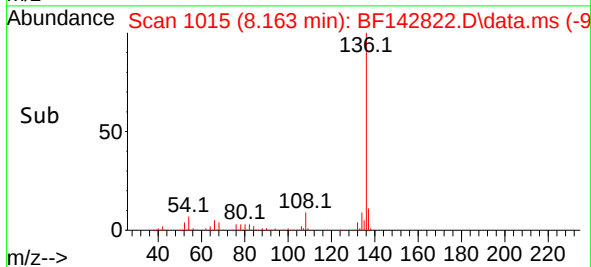
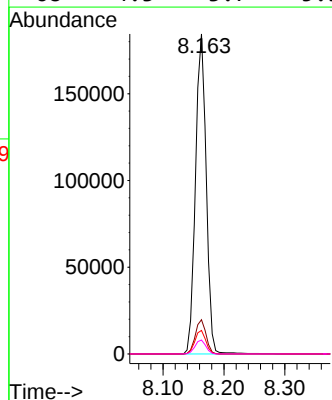
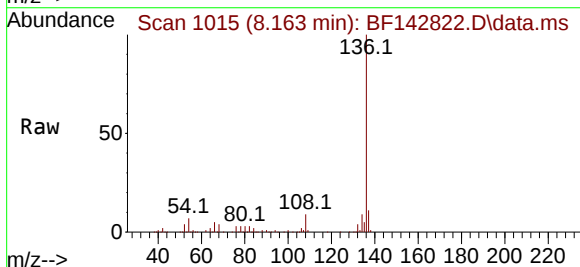
Instrument :
BNA_F
ClientSampleId :
S-1

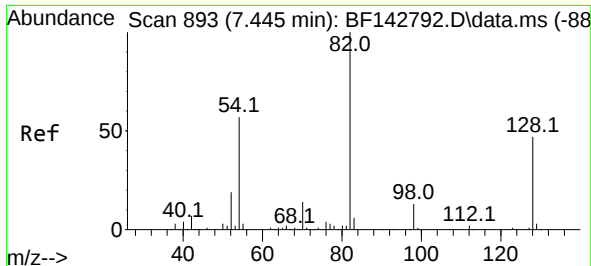
Tgt Ion:107 Resp: 13467
Ion Ratio Lower Upper
107 100
108 148.0 70.0 110.0#
77 115.2 98.5 138.5
79 181.7 8.8 48.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF142822.D
Acq: 24 Jun 2025 16:30

Tgt Ion:136 Resp: 225495
Ion Ratio Lower Upper
136 100
137 10.7 8.4 12.6
54 7.3 6.3 9.5
68 4.3 3.7 5.5

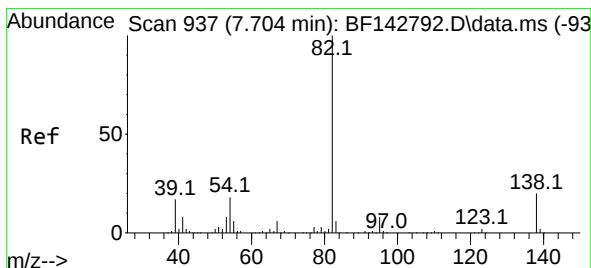
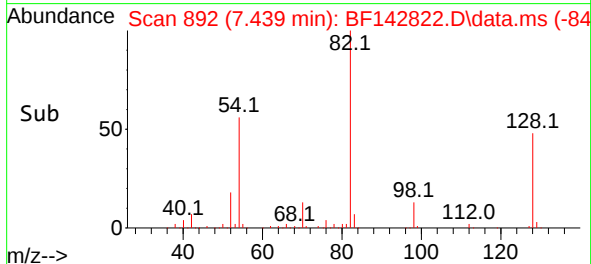
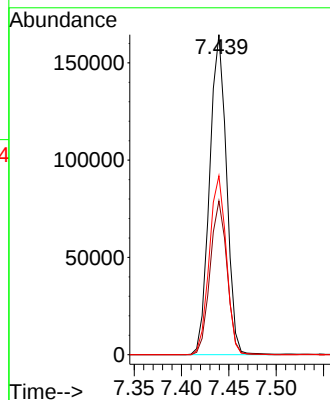
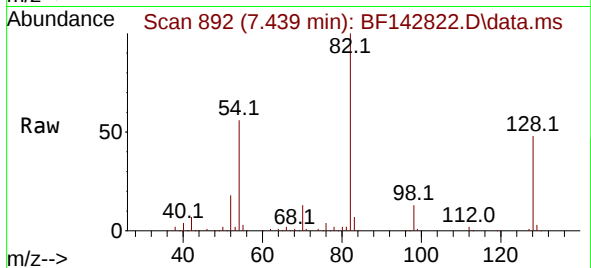




#23
Nitrobenzene-d5
Concen: 49.703 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF142822.D
Acq: 24 Jun 2025 16:30

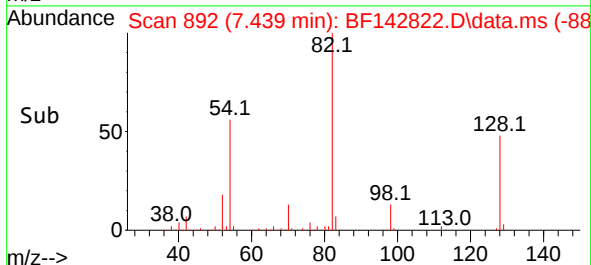
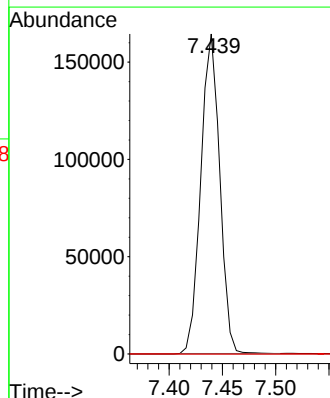
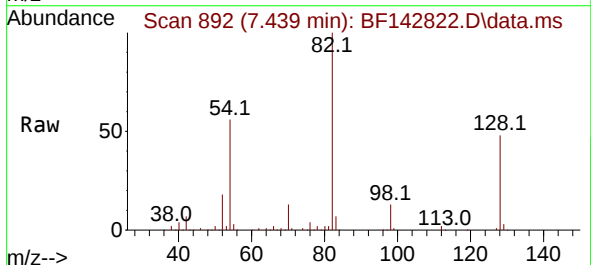
Instrument :
BNA_F
ClientSampleId :
S-1

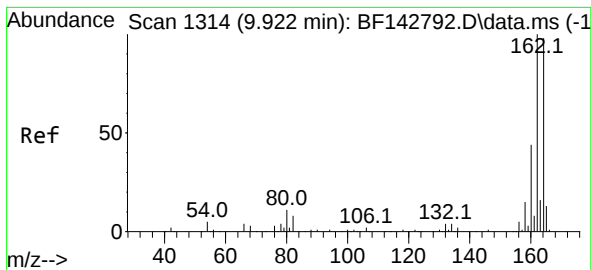
Tgt Ion: 82 Resp: 204334
Ion Ratio Lower Upper
82 100
128 48.0 37.7 56.5
54 55.9 45.7 68.5



#25
Isophorone
Concen: 30.769 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.265 min
Lab File: BF142822.D
Acq: 24 Jun 2025 16:30

Tgt Ion: 82 Resp: 202917
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# 1

Delta R.T. -0.006 min

Lab File: BF142822.D

Acq: 24 Jun 2025 16:30

Instrument :

BNA_F

ClientSampleId :

S-1

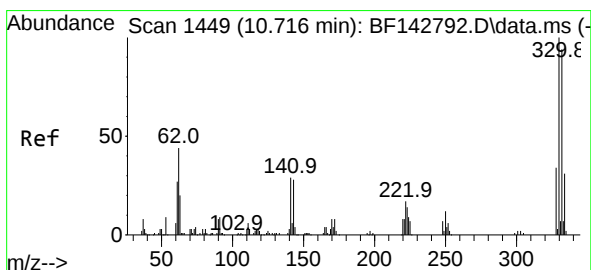
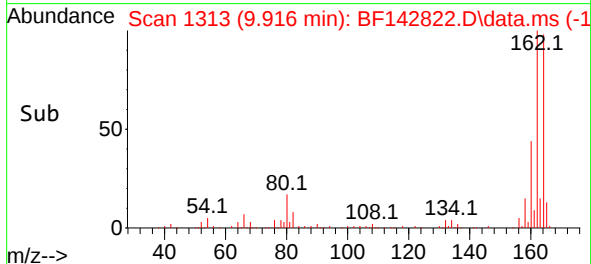
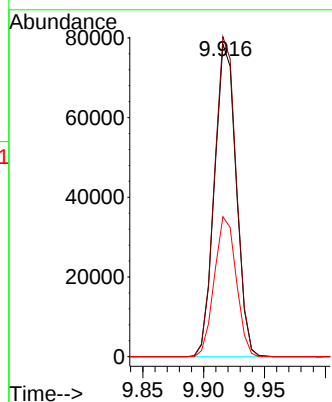
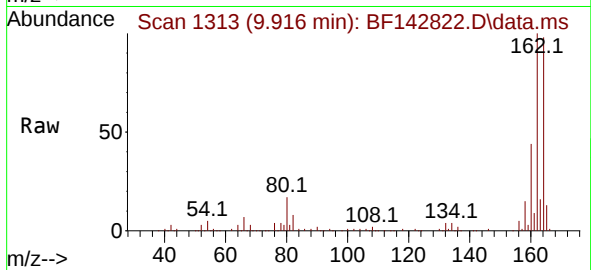
Tgt Ion:164 Resp: 97224

Ion Ratio Lower Upper

164 100

162 102.4 81.8 122.8

160 44.8 36.0 54.0



#42

2,4,6-Tribromophenol

Concen: 64.917 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.006 min

Lab File: BF142822.D

Acq: 24 Jun 2025 16:30

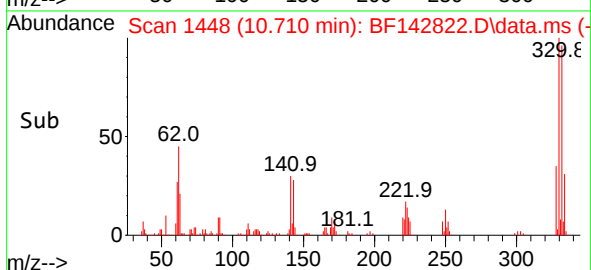
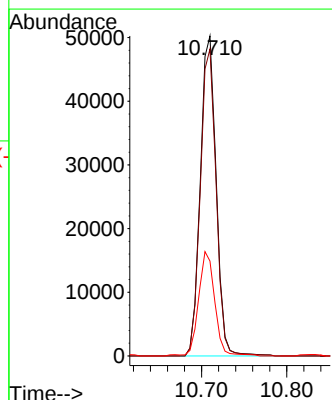
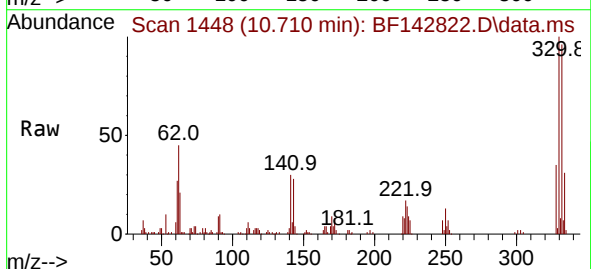
Tgt Ion:330 Resp: 64950

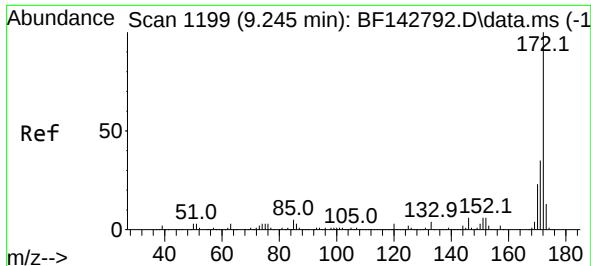
Ion Ratio Lower Upper

330 100

332 95.9 75.0 112.6

141 33.3 25.3 37.9

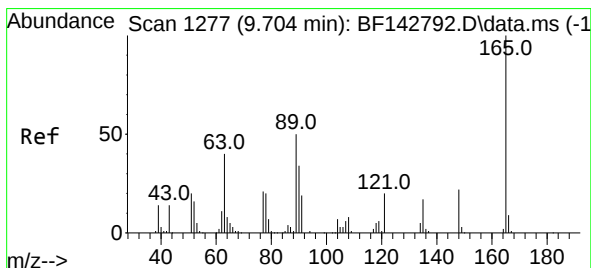
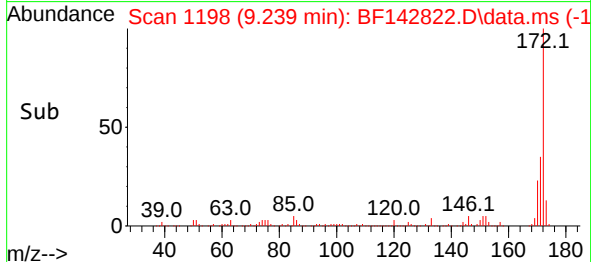
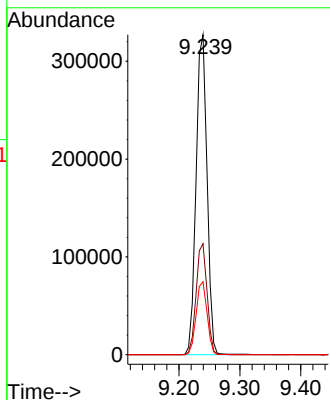
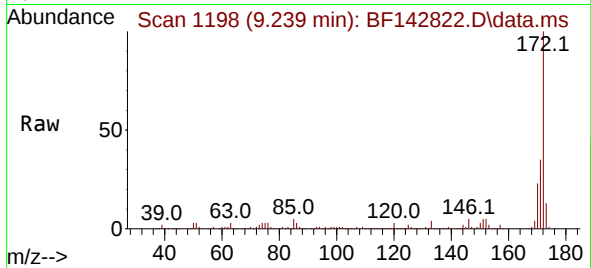




#45
2-Fluorobiphenyl
Concen: 55.291 ng
RT: 9.239 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF142822.D
Acq: 24 Jun 2025 16:30

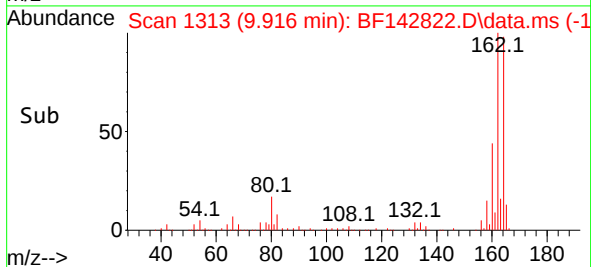
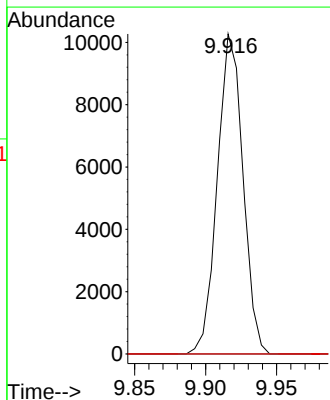
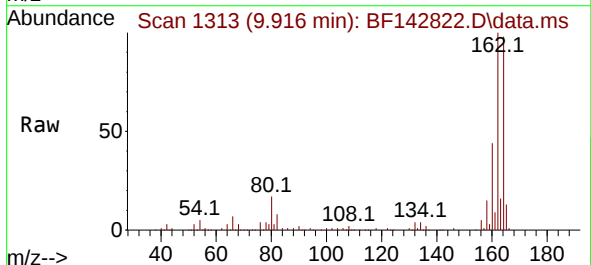
Instrument :
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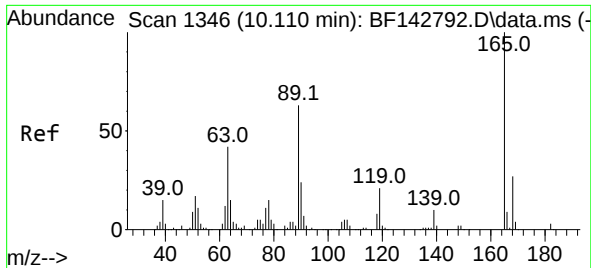
Tgt Ion:172 Resp: 409207
Ion Ratio Lower Upper
172 100
171 34.7 28.2 42.4
170 22.8 18.5 27.7



#51
2,6-Dinitrotoluene
Concen: 9.311 ng
RT: 9.916 min Scan# 1313
Delta R.T. 0.212 min
Lab File: BF142822.D
Acq: 24 Jun 2025 16:30

Tgt Ion:165 Resp: 12869
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 0.0 39.8 59.8#

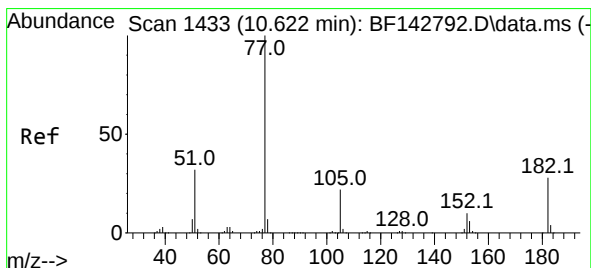
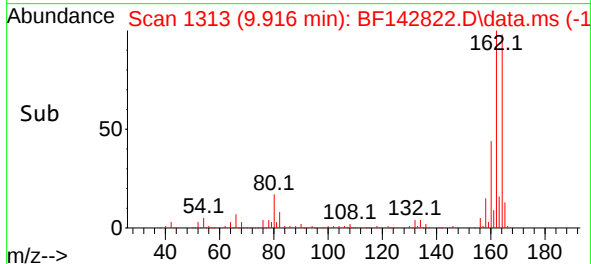
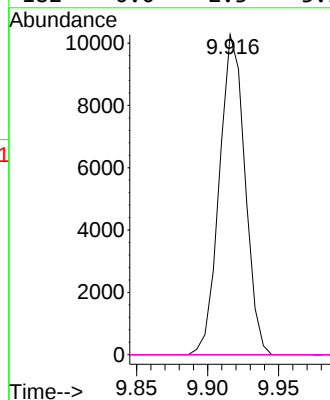
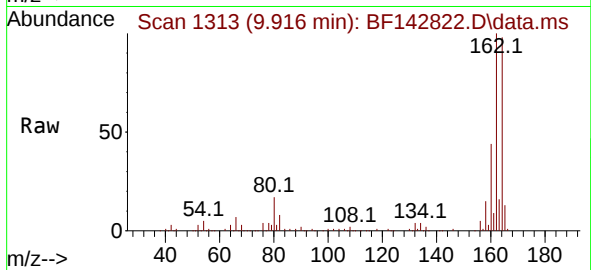




#57
2,4-Dinitrotoluene
Concen: 7.010 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF142822.D
Acq: 24 Jun 2025 16:30

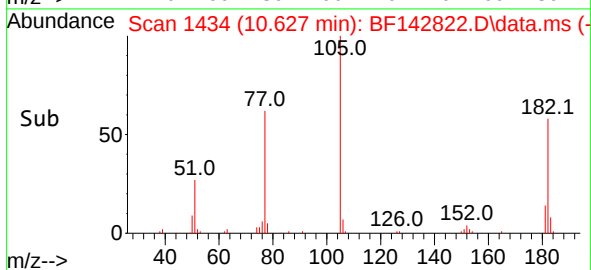
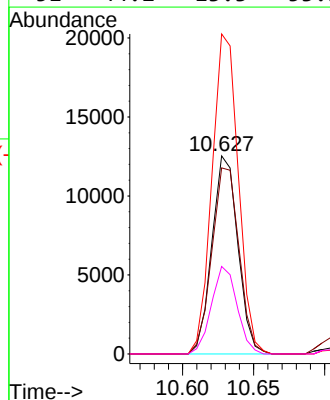
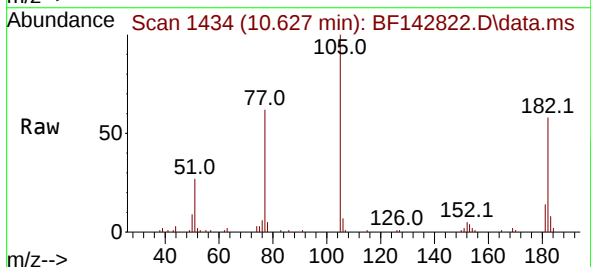
Instrument :
BNA_F
ClientSampleId :
S-1

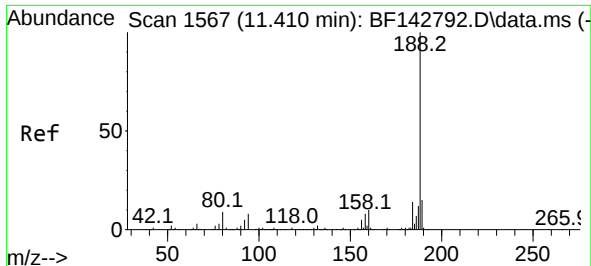
Tgt Ion:165 Resp: 12869
Ion Ratio Lower Upper
165 100
63 0.0 33.9 50.9#
89 0.0 50.6 75.8#
182 0.0 2.3 3.5#



#63
Azobenzene
Concen: 2.883 ng
RT: 10.627 min Scan# 1434
Delta R.T. 0.006 min
Lab File: BF142822.D
Acq: 24 Jun 2025 16:30

Tgt Ion: 77 Resp: 15898
Ion Ratio Lower Upper
77 100
182 93.9 7.7 47.7#
105 161.5 1.9 41.9#
51 44.2 13.3 53.3

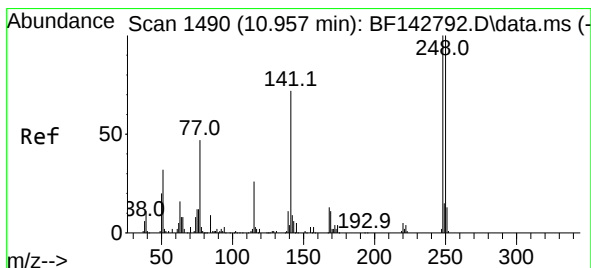
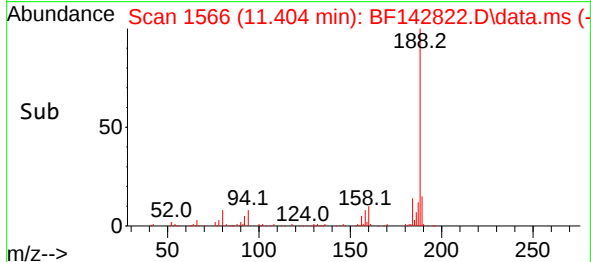
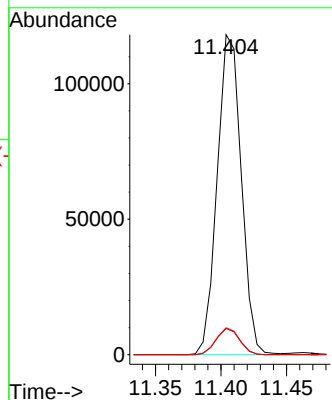
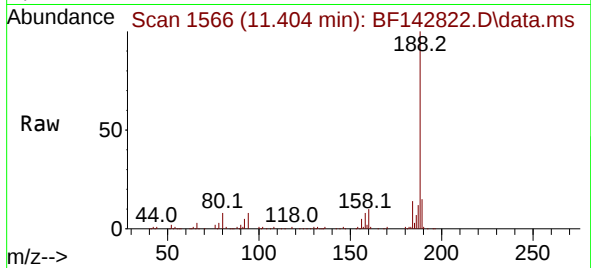




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142822.D
Acq: 24 Jun 2025 16:30

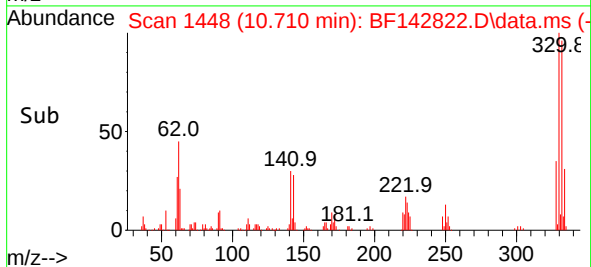
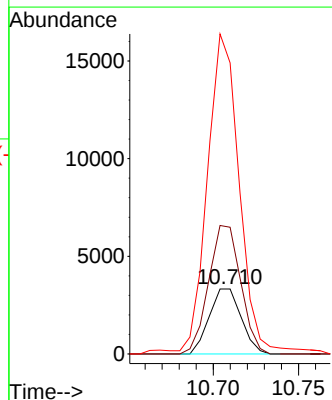
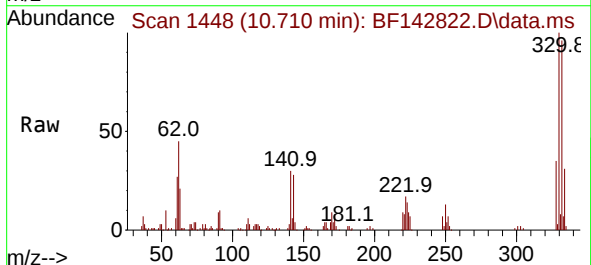
Instrument :
BNA_F
ClientSampleId :
S-1

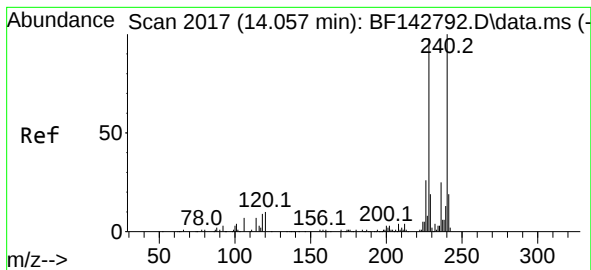
Tgt Ion:188 Resp: 150733
Ion Ratio Lower Upper
188 100
94 8.2 6.7 10.1
80 8.4 6.9 10.3



#67
4-Bromophenyl-phenylether
Concen: 2.531 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.247 min
Lab File: BF142822.D
Acq: 24 Jun 2025 16:30

Tgt Ion:248 Resp: 4342
Ion Ratio Lower Upper
248 100
250 195.1 79.8 119.8#
141 448.1 57.8 86.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2017

Delta R.T. -0.006 min

Lab File: BF142822.D

Acq: 24 Jun 2025 16:30

Instrument :

BNA_F

ClientSampleId :

S-1

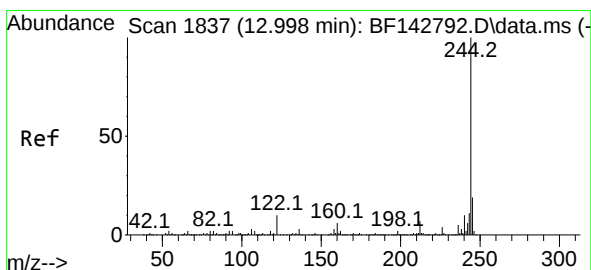
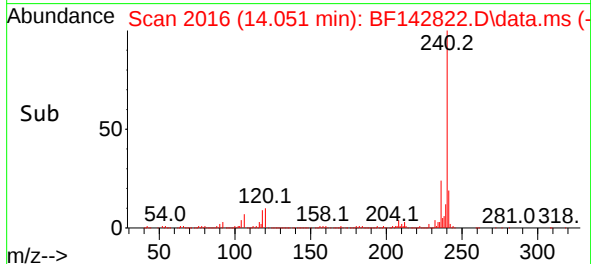
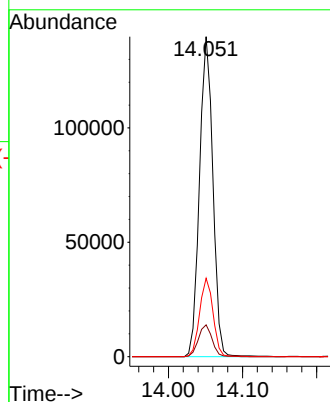
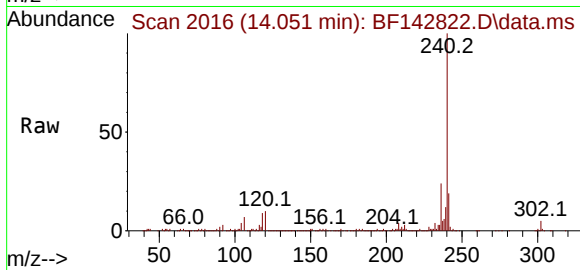
Tgt Ion:240 Resp: 174997

Ion Ratio Lower Upper

240 100

120 10.0 8.2 12.2

236 24.5 19.8 29.8



#79

Terphenyl-d14

Concen: 32.565 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF142822.D

Acq: 24 Jun 2025 16:30

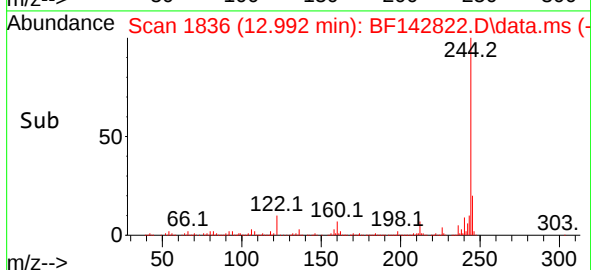
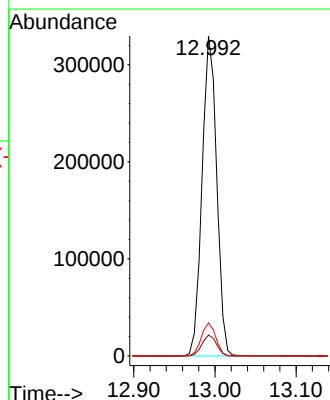
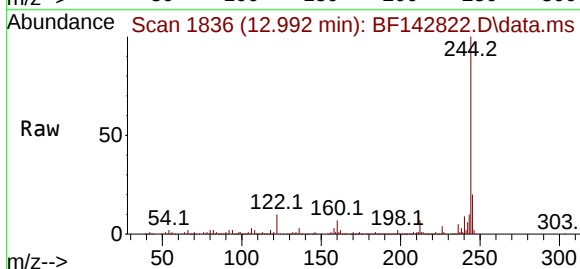
Tgt Ion:244 Resp: 412441

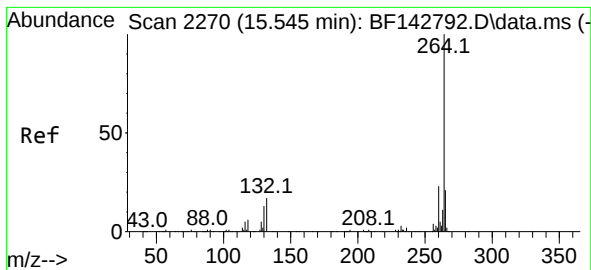
Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

122 10.4 8.2 12.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142822.D

Acq: 24 Jun 2025 16:30

Instrument :

BNA_F

ClientSampleId :

S-1

Tgt Ion:264 Resp: 128764

Ion Ratio Lower Upper

264 100

260 22.7 18.1 27.1

265 21.1 16.6 25.0

