

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
 Data File : BF142397.D
 Acq On : 15 May 2025 17:42
 Operator : RC/JU
 Sample : Q2010-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-14

Quant Time: May 15 18:24:58 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 05 18:41:44 2025
 Response via : Initial Calibration

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

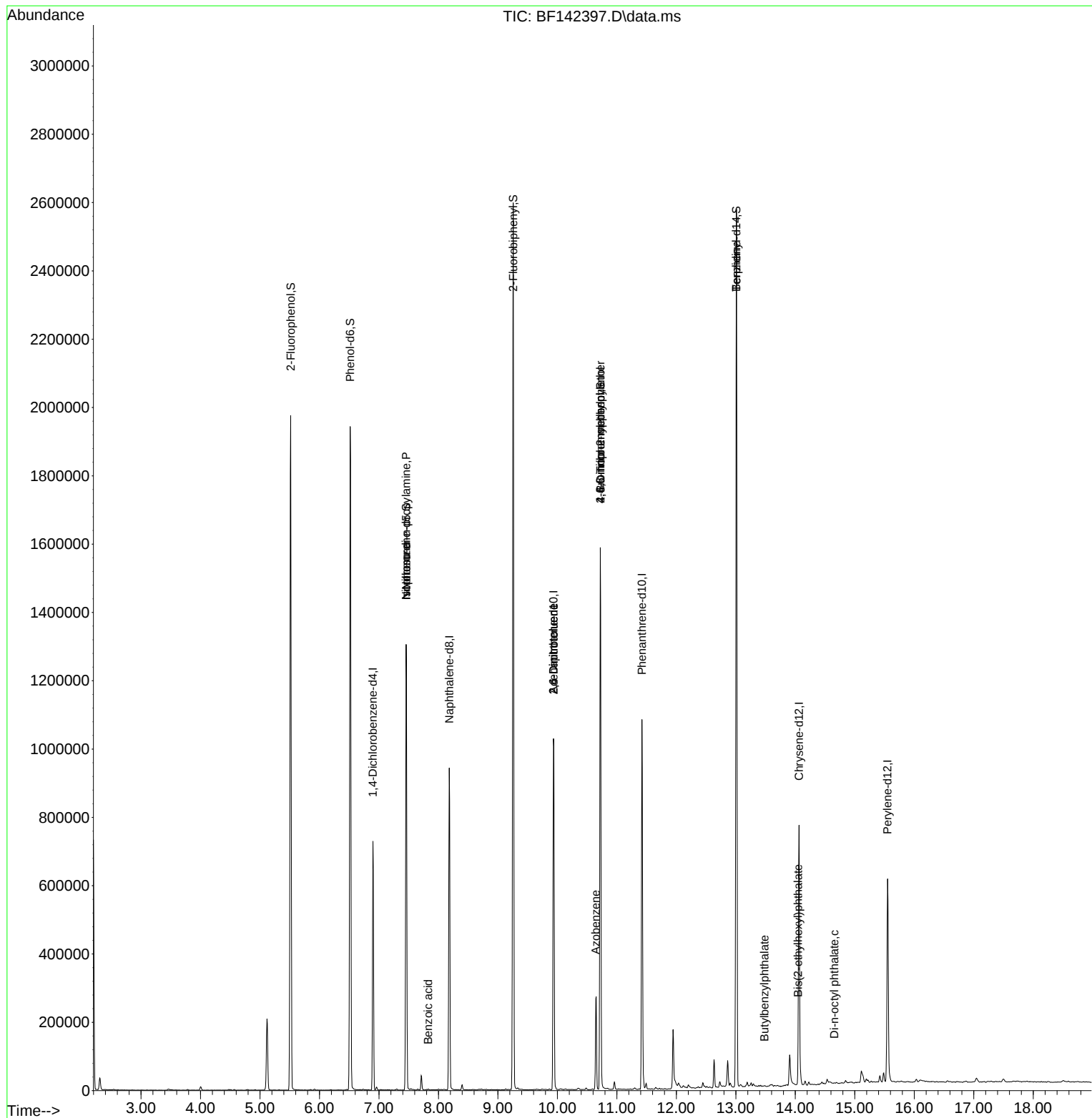
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	157964	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	599494	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	318296	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	558784	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	352816	20.000	ng	0.00
86) Perylene-d12	15.551	264	355002	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	766128	82.794	ng	0.00
7) Phenol-d6	6.516	99	932423	81.928	ng	0.00
23) Nitrobenzene-d5	7.457	82	545457	55.490	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	286928	93.368	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	1167036	52.280	ng	0.00
79) Terphenyl-d14	13.010	244	1241477	52.081	ng	0.00
Target Compounds					Qvalue	
19) n-Nitroso-di-n-propyla...	7.457	70	73287	10.410	ng	# 77
25) Isophorone	7.457	82	541010	29.064	ng	# 62
32) Benzoic acid	7.828	122	288	6.073	ng	# 1
51) 2,6-Dinitrotoluene	9.933	165	40446	10.572	ng	# 23
57) 2,4-Dinitrotoluene	9.933	165	40446	8.242	ng	# 25
63) Azobenzene	10.645	77	66685	3.419	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.722	198	565	7.369	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	17808	2.812	ng	# 1
77) Benzidine	13.010	184	14926	2.328	ng	# 95
80) Butylbenzylphthalate	13.480	149	668	3.727	ng	# 70
84) Bis(2-ethylhexyl)phtha...	14.045	149	1578	4.358	ng	# 93
85) Di-n-octyl phthalate	14.657	149	996	7.879	ng	# 80

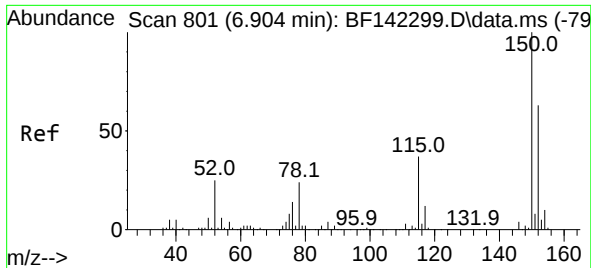
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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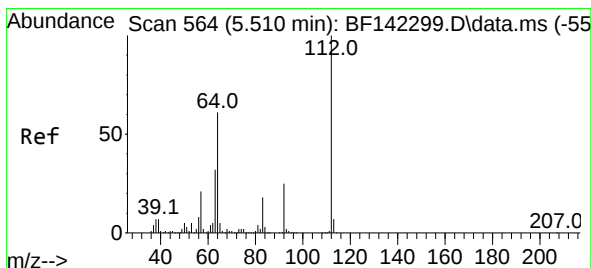
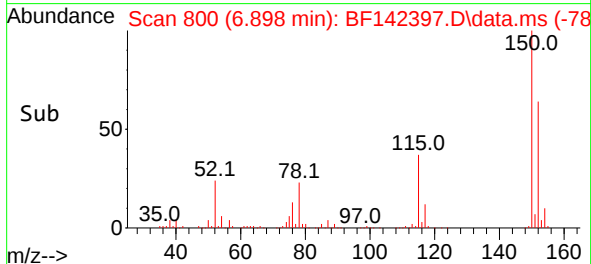
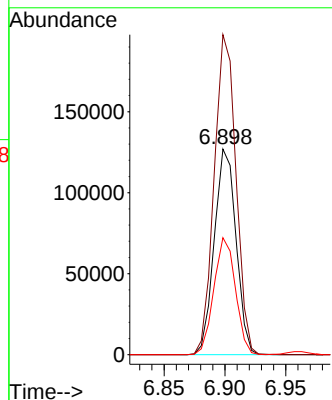
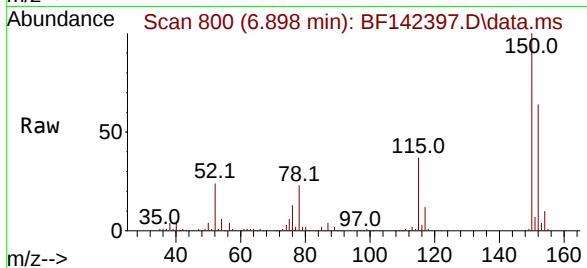




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 801
Delta R.T. -0.006 min
Lab File: BF142397.D
Acq: 15 May 2025 17:42

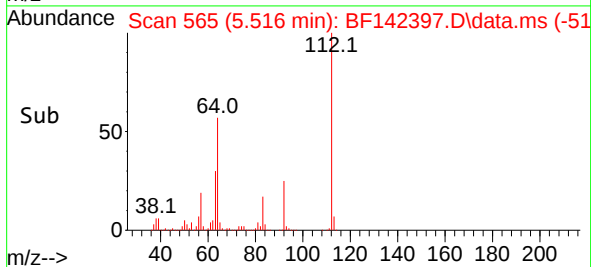
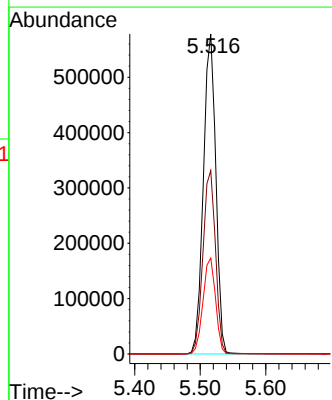
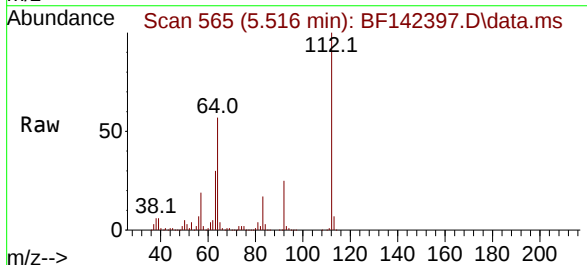
Instrument :
BNA_F
ClientSampleId :
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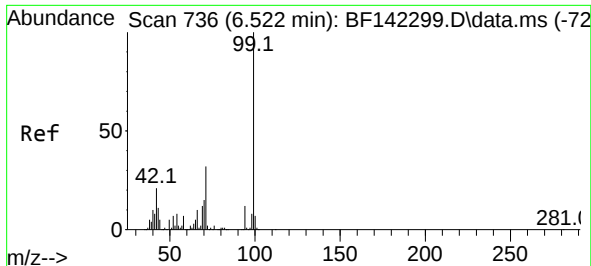
Tgt Ion:152 Resp: 157964
Ion Ratio Lower Upper
152 100
150 155.7 126.6 190.0
115 56.9 47.3 70.9



#5
2-Fluorophenol
Concen: 82.794 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF142397.D
Acq: 15 May 2025 17:42

Tgt Ion:112 Resp: 766128
Ion Ratio Lower Upper
112 100
64 57.3 48.9 73.3
63 30.0 25.6 38.4





#7
Phenol-d6
Concen: 81.928 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142397.D
Acq: 15 May 2025 17:42

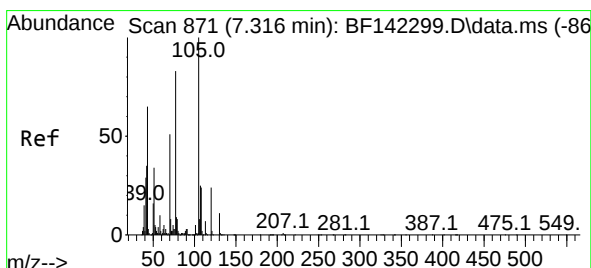
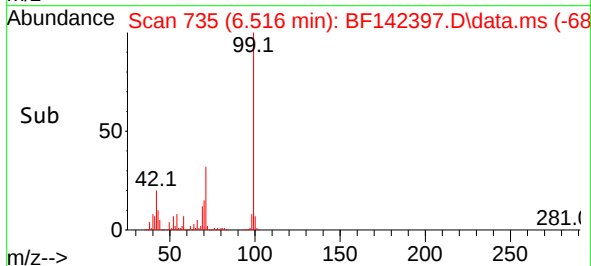
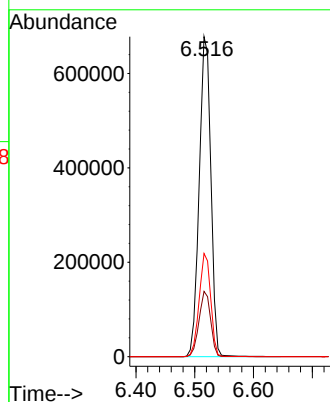
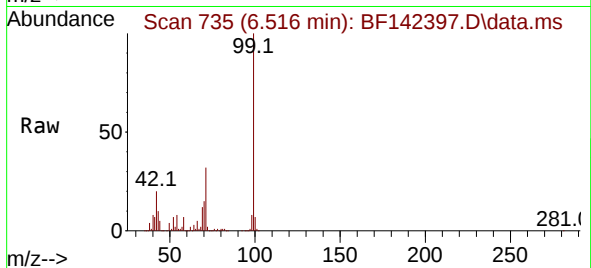
Instrument :

BNA_F

ClientSampleId :

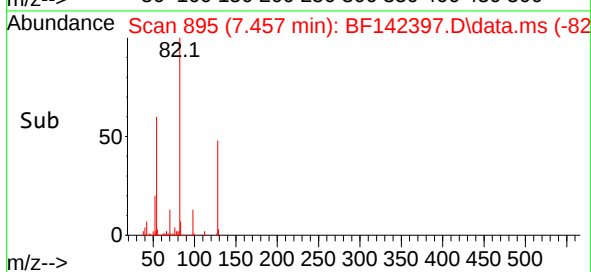
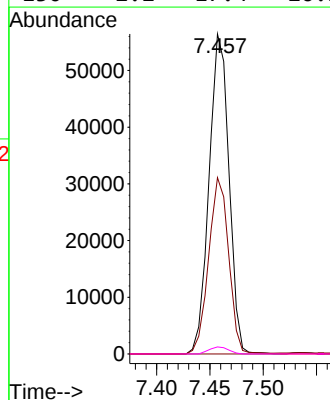
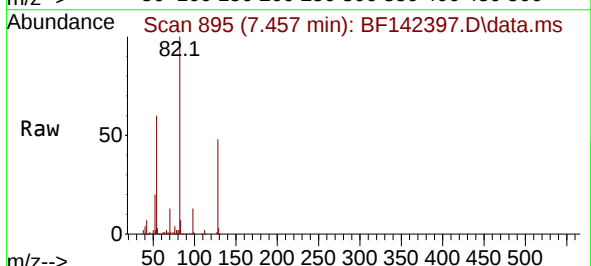
TP-14

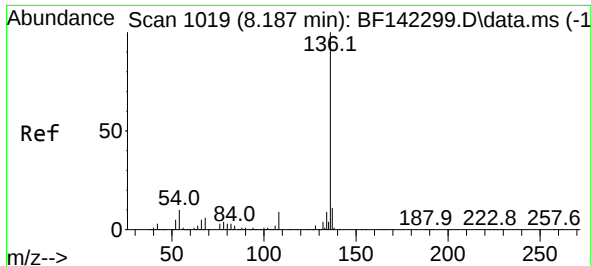
Tgt Ion: 99 Resp: 932423
Ion Ratio Lower Upper
99 100
42 20.4 17.0 25.4
71 32.2 25.8 38.8



#19
n-Nitroso-di-n-propylamine
Concen: 10.410 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.141 min
Lab File: BF142397.D
Acq: 15 May 2025 17:42

Tgt Ion: 70 Resp: 73287
Ion Ratio Lower Upper
70 100
42 55.1 54.8 82.2
101 0.0 7.7 11.5#
130 2.2 17.4 26.2#



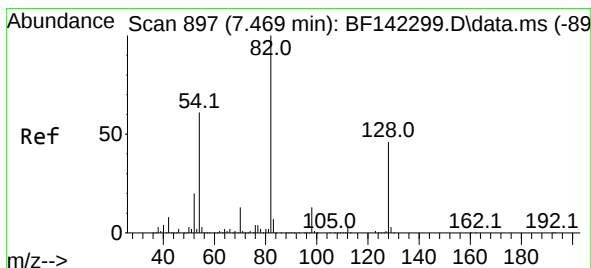
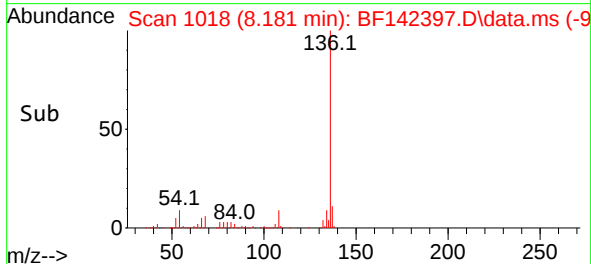
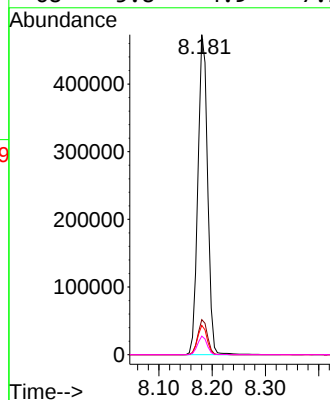
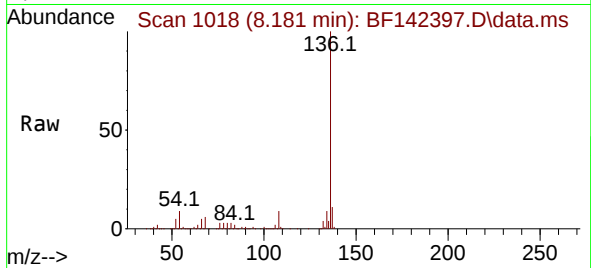


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142397.D
Acq: 15 May 2025 17:42

Instrument :
BNA_F
ClientSampleId :
TP-14

Tgt Ion:136 Resp: 599494

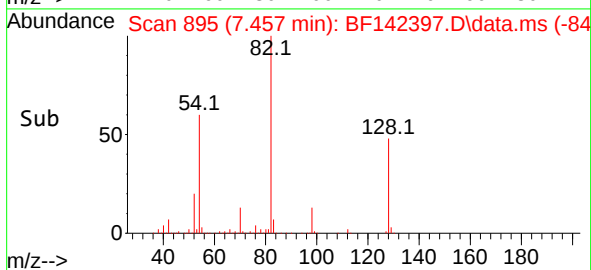
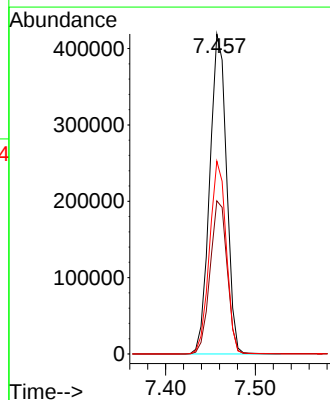
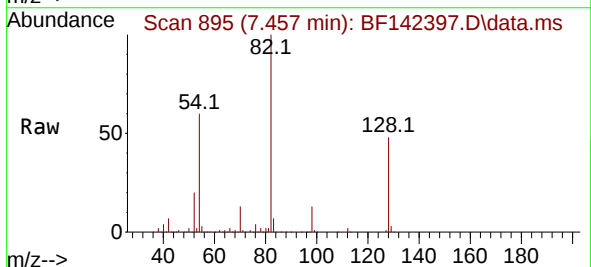
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.2	7.7	11.5
68	5.8	4.9	7.3

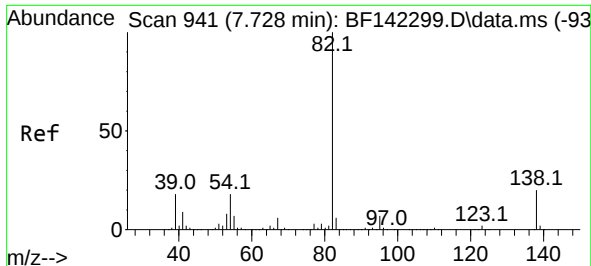


#23
Nitrobenzene-d5
Concen: 55.490 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.012 min
Lab File: BF142397.D
Acq: 15 May 2025 17:42

Tgt Ion: 82 Resp: 545457

Ion	Ratio	Lower	Upper
82	100		
128	47.9	37.0	55.6
54	60.3	48.6	73.0

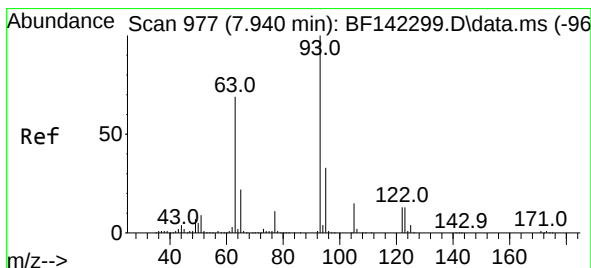
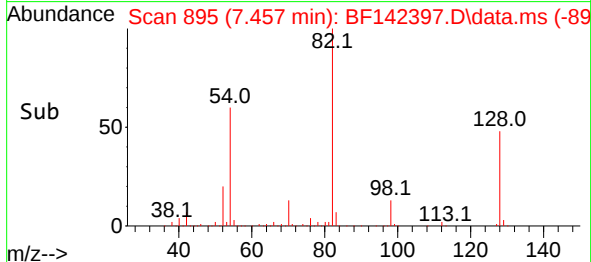
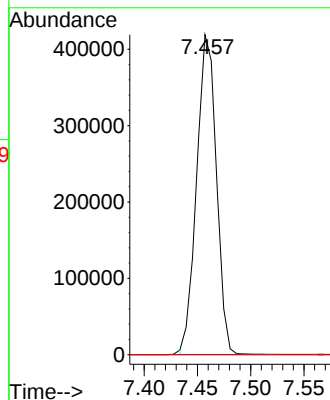
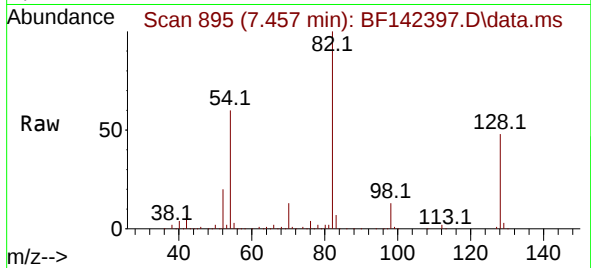




#25
Isophorone
Concen: 29.064 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.271 min
Lab File: BF142397.D
Acq: 15 May 2025 17:42

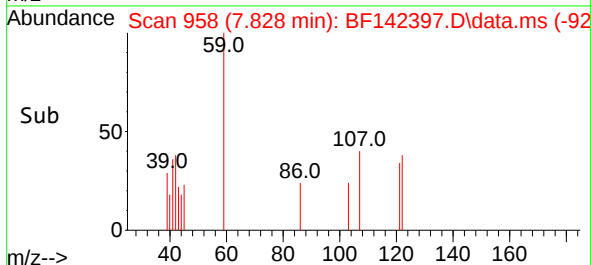
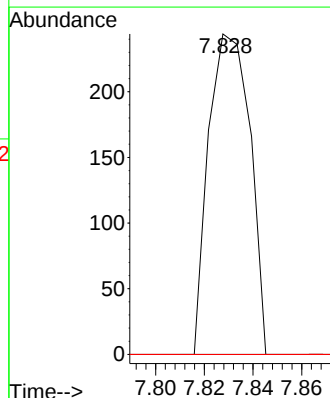
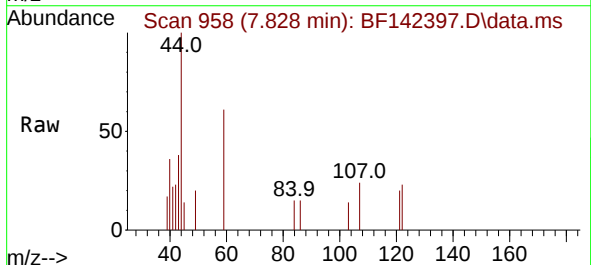
Instrument :
BNA_F
ClientSampleId :
TP-14

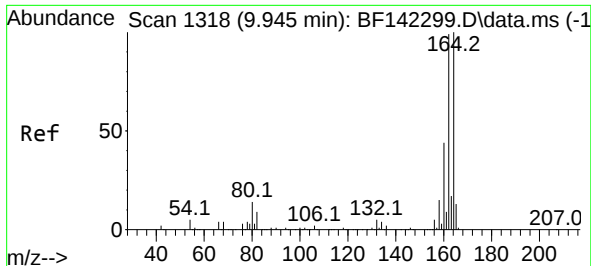
Tgt Ion: 82 Resp: 541010
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.1 24.1#



#32
Benzoic acid
Concen: 6.073 ng
RT: 7.828 min Scan# 958
Delta R.T. -0.112 min
Lab File: BF142397.D
Acq: 15 May 2025 17:42

Tgt Ion:122 Resp: 288
Ion Ratio Lower Upper
122 100
105 0.0 97.9 137.9#
77 0.0 67.7 107.7#

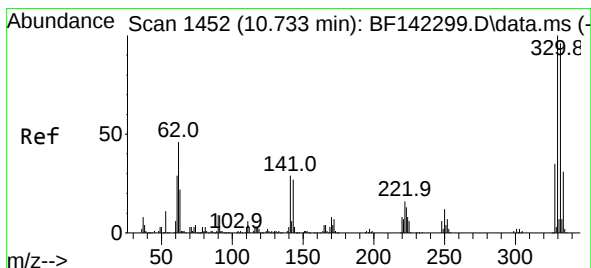
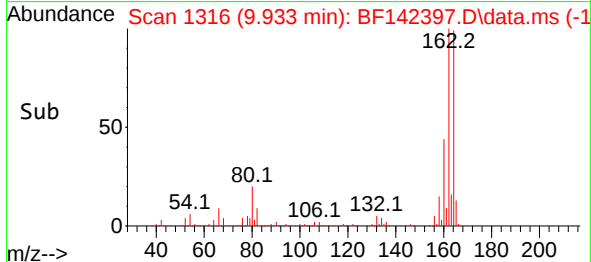
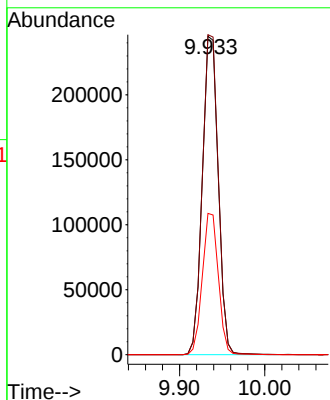
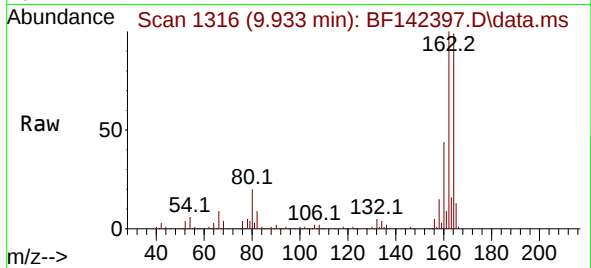




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142397.D
Acq: 15 May 2025 17:42

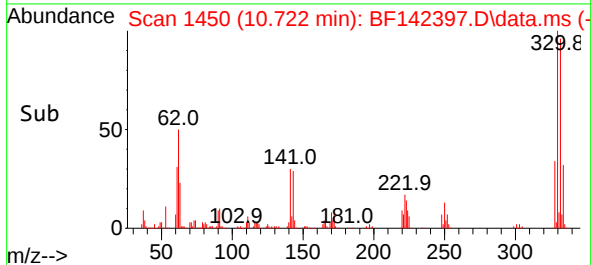
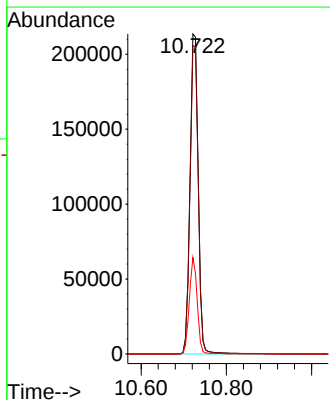
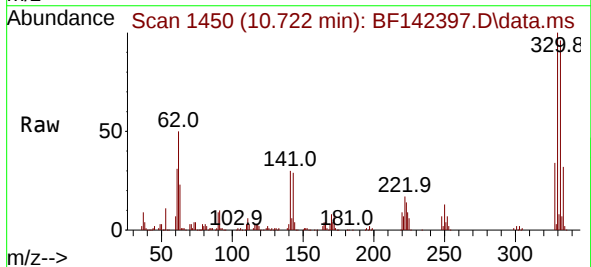
Instrument :
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ClientSampleId :
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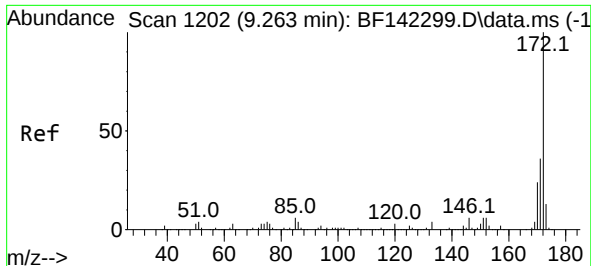
Tgt Ion:164 Resp: 318296
Ion Ratio Lower Upper
164 100
162 100.5 79.2 118.8
160 44.4 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 93.368 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF142397.D
Acq: 15 May 2025 17:42

Tgt Ion:330 Resp: 286928
Ion Ratio Lower Upper
330 100
332 96.4 76.8 115.2
141 28.9 24.9 37.3

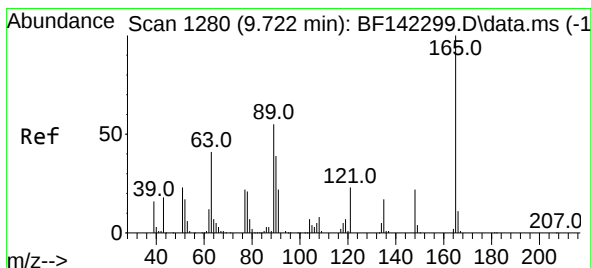
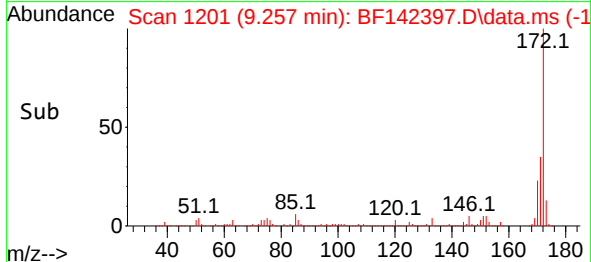
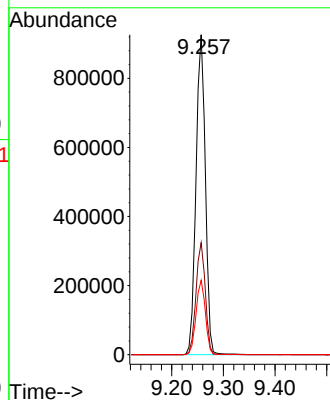
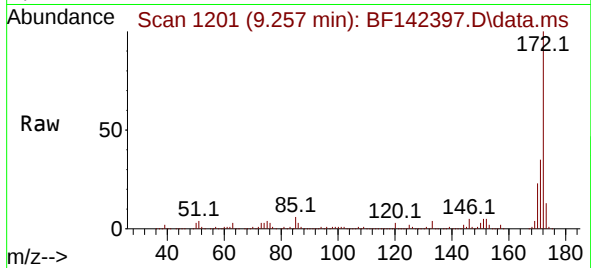




#45
2-Fluorobiphenyl
Concen: 52.280 ng
RT: 9.257 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142397.D
Acq: 15 May 2025 17:42

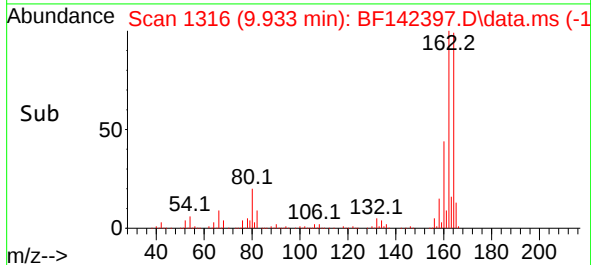
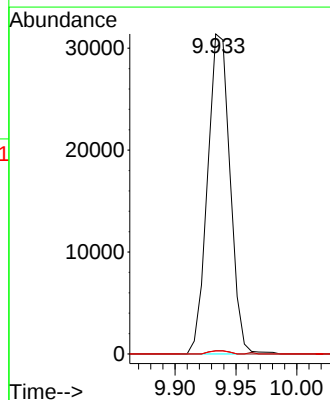
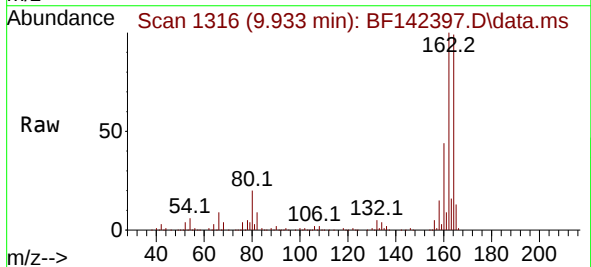
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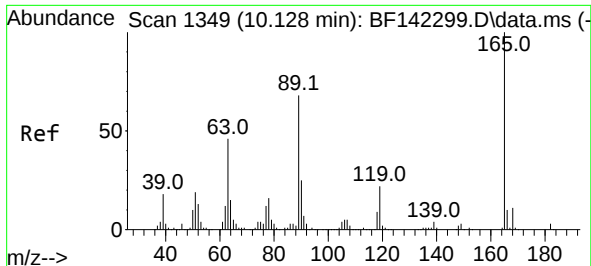
Tgt Ion:172 Resp: 1167036
Ion Ratio Lower Upper
172 100
171 35.0 28.6 42.8
170 23.3 19.0 28.4



#51
2,6-Dinitrotoluene
Concen: 10.572 ng
RT: 9.933 min Scan# 1316
Delta R.T. 0.212 min
Lab File: BF142397.D
Acq: 15 May 2025 17:42

Tgt Ion:165 Resp: 40446
Ion Ratio Lower Upper
165 100
63 1.0 49.5 74.3#
89 1.0 44.6 66.8#

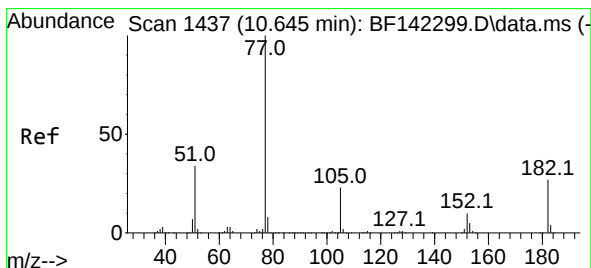
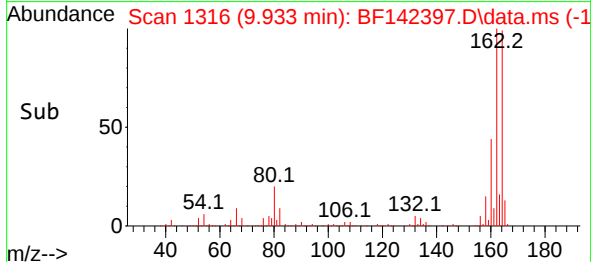
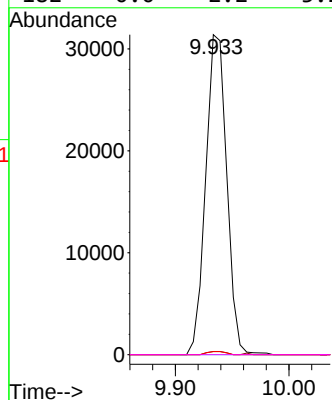
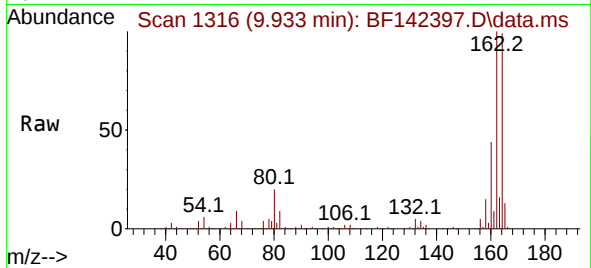




#57
2,4-Dinitrotoluene
Concen: 8.242 ng
RT: 9.933 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF142397.D
Acq: 15 May 2025 17:42

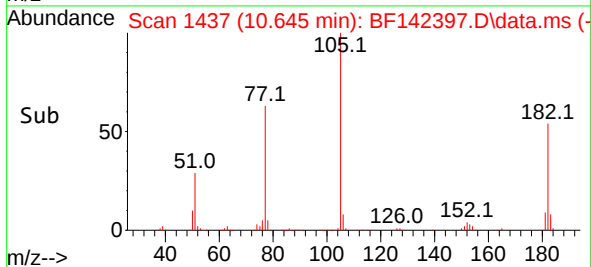
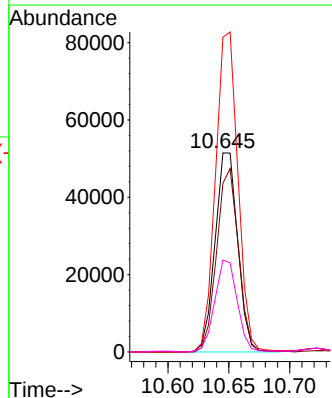
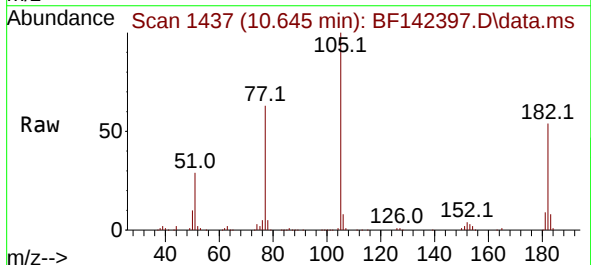
Instrument :
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ClientSampleId :
TP-14

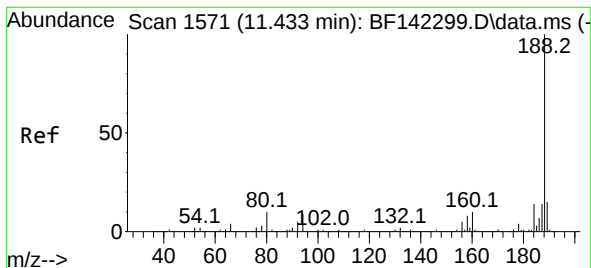
Tgt Ion:165 Resp: 40446
Ion Ratio Lower Upper
165 100
63 1.0 37.1 55.7#
89 1.0 54.4 81.6#
182 0.0 2.2 3.2#



#63
Azobenzene
Concen: 3.419 ng
RT: 10.645 min Scan# 1437
Delta R.T. -0.000 min
Lab File: BF142397.D
Acq: 15 May 2025 17:42

Tgt Ion: 77 Resp: 66685
Ion Ratio Lower Upper
77 100
182 84.7 6.9 46.9#
105 158.1 2.7 42.7#
51 46.1 14.7 54.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142397.D

Acq: 15 May 2025 17:42

Instrument :

BNA_F

ClientSampleId :

TP-14

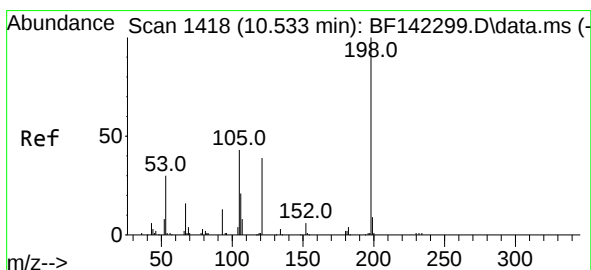
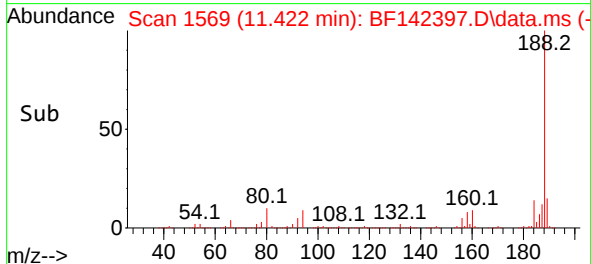
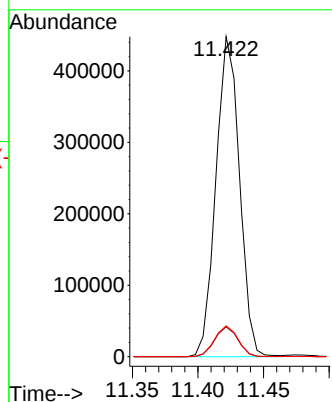
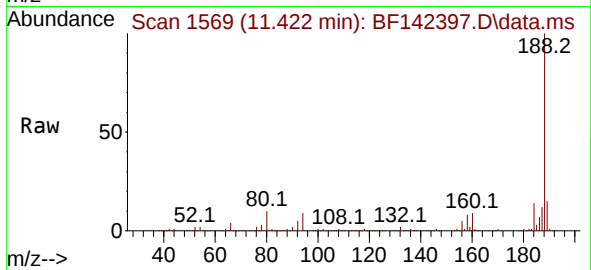
Tgt Ion:188 Resp: 558784

Ion Ratio Lower Upper

188 100

94 9.3 7.5 11.3

80 9.7 7.9 11.9



#65

4,6-Dinitro-2-methylphenol

Concen: 7.369 ng

RT: 10.722 min Scan# 1450

Delta R.T. 0.189 min

Lab File: BF142397.D

Acq: 15 May 2025 17:42

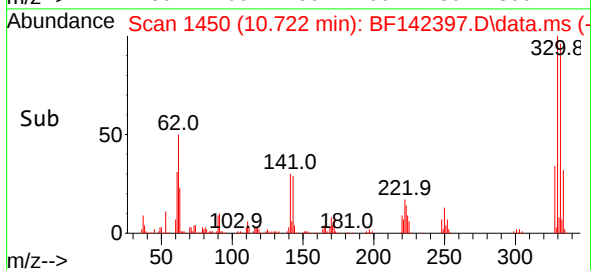
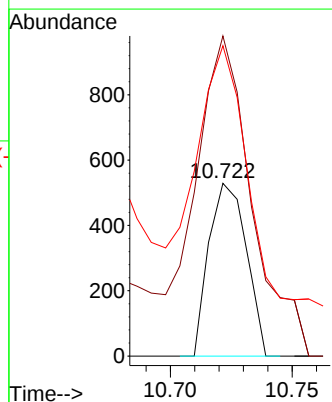
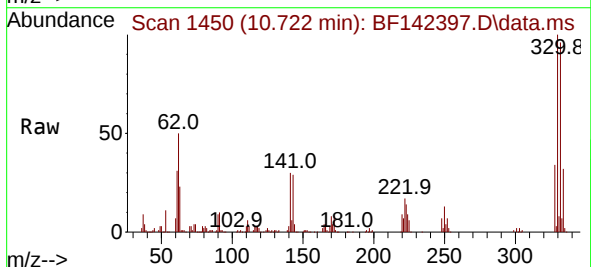
Tgt Ion:198 Resp: 565

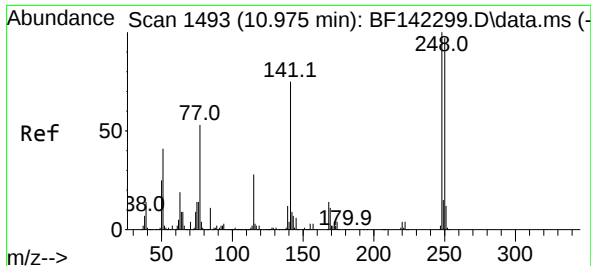
Ion Ratio Lower Upper

198 100

51 185.3 32.9 72.9#

105 179.6 23.7 63.7#

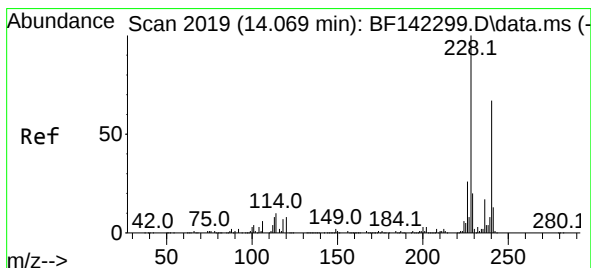
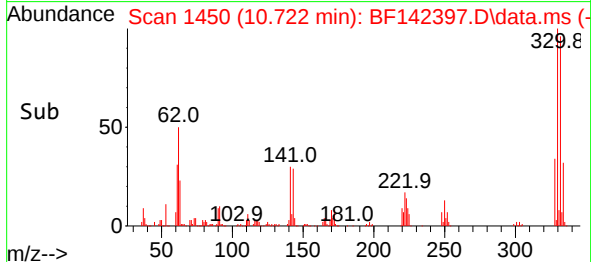
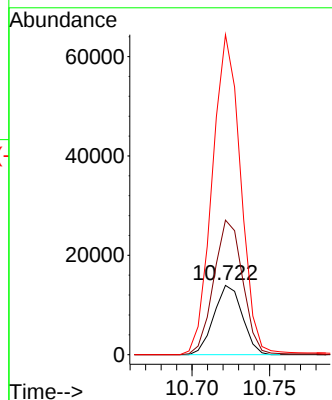
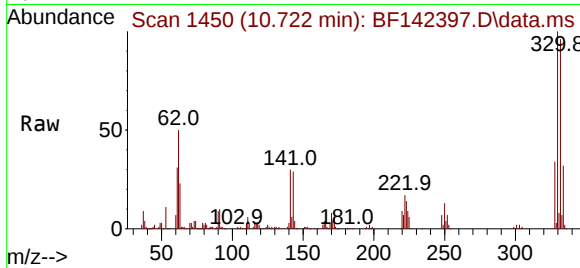




#67
4-Bromophenyl-phenylether
Concen: 2.812 ng
RT: 10.722 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF142397.D
Acq: 15 May 2025 17:42

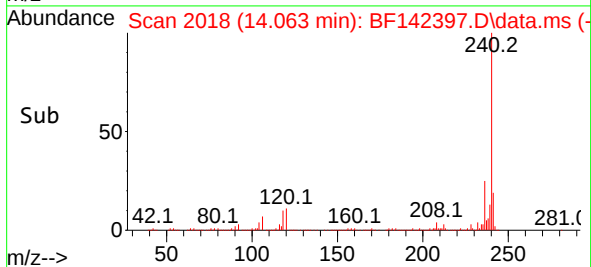
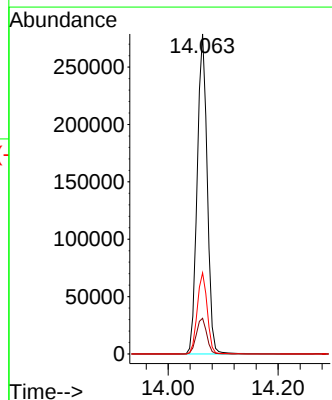
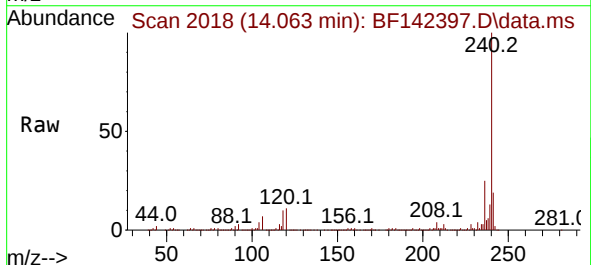
Instrument :
BNA_F
ClientSampleId :
TP-14

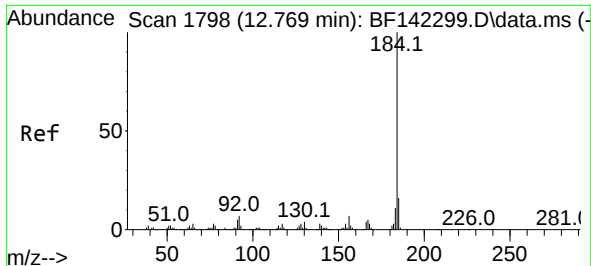
Tgt Ion:248 Resp: 17808
Ion Ratio Lower Upper
248 100
250 194.0 77.9 116.9#
141 461.5 59.8 89.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142397.D
Acq: 15 May 2025 17:42

Tgt Ion:240 Resp: 352816
Ion Ratio Lower Upper
240 100
120 11.2 9.7 14.5
236 25.4 20.0 30.0

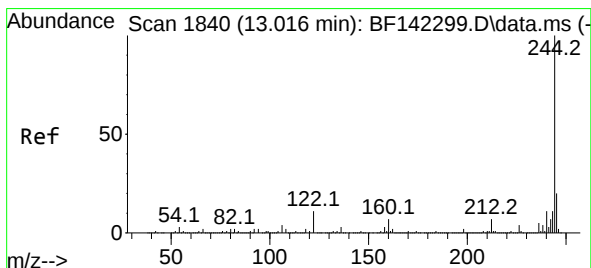
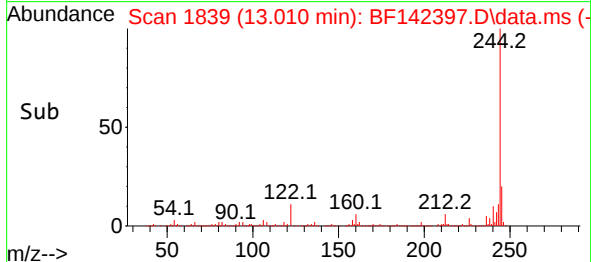
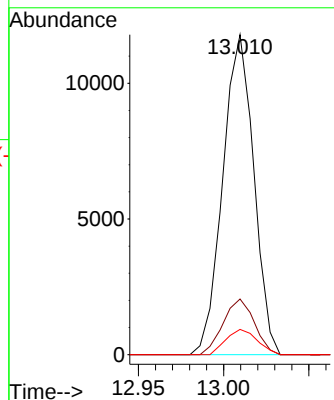
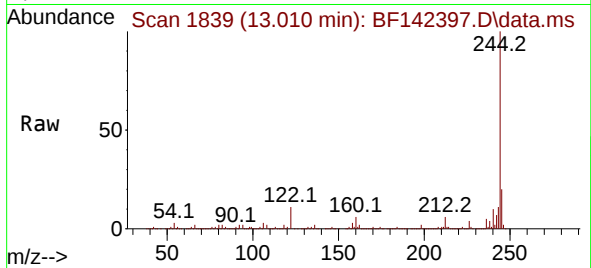




#77
Benzidine
Concen: 2.328 ng
RT: 13.010 min Scan# 1839
Delta R.T. 0.241 min
Lab File: BF142397.D
Acq: 15 May 2025 17:42

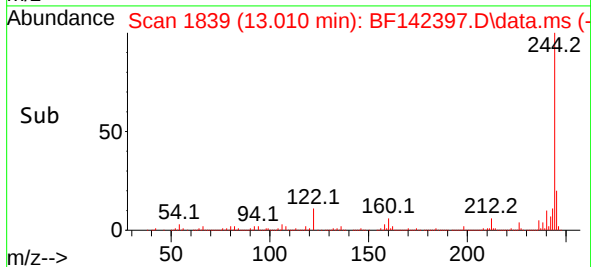
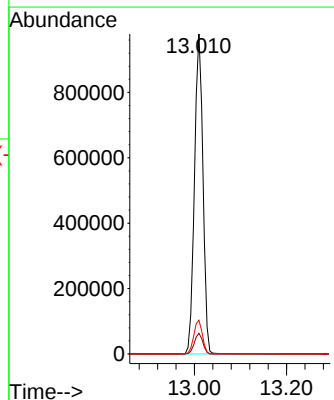
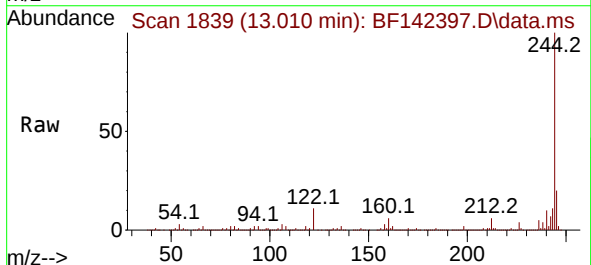
Instrument :
BNA_F
ClientSampleId :
TP-14

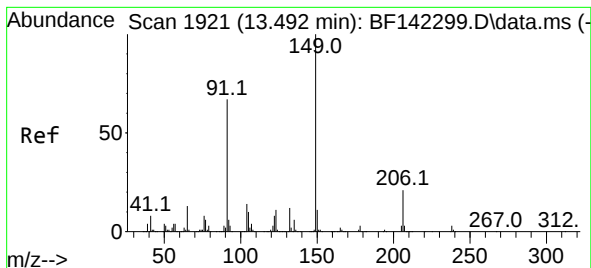
Tgt Ion:184 Resp: 14926
Ion Ratio Lower Upper
184 100
185 17.4 12.6 18.8
183 7.9 8.6 12.8#



#79
Terphenyl-d14
Concen: 52.081 ng
RT: 13.010 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF142397.D
Acq: 15 May 2025 17:42

Tgt Ion:244 Resp: 1241477
Ion Ratio Lower Upper
244 100
212 6.5 5.4 8.2
122 10.6 9.0 13.4





#80

Butylbenzylphthalate

Concen: 3.727 ng

RT: 13.480 min Scan# 1919

Delta R.T. -0.012 min

Lab File: BF142397.D

Acq: 15 May 2025 17:42

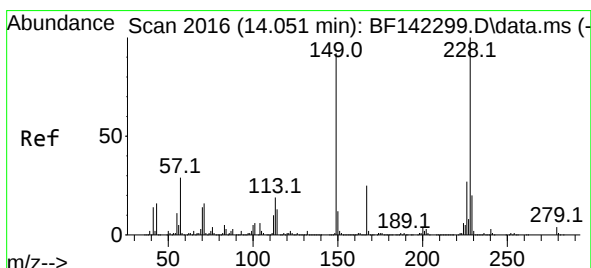
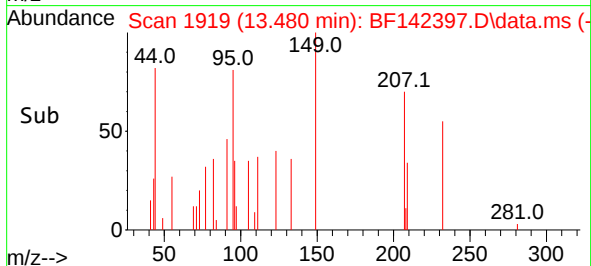
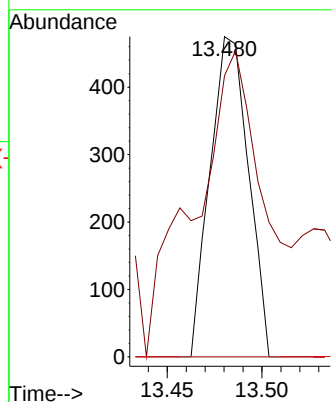
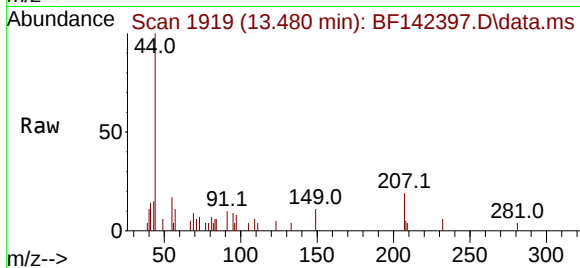
Instrument :

BNA_F

ClientSampleId :

TP-14

Tgt Ion:149	Resp:	668
Ion Ratio	Lower	Upper
149	100	
91	87.8	53.8 80.6#
206	0.0	16.6 24.8#



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.358 ng

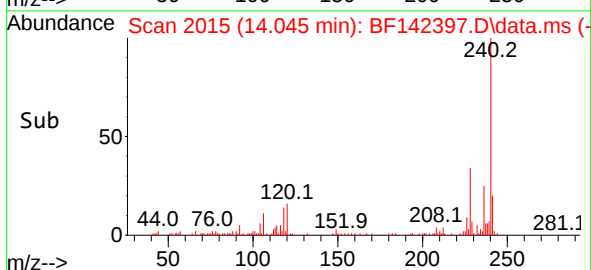
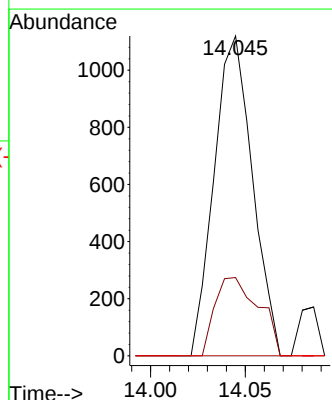
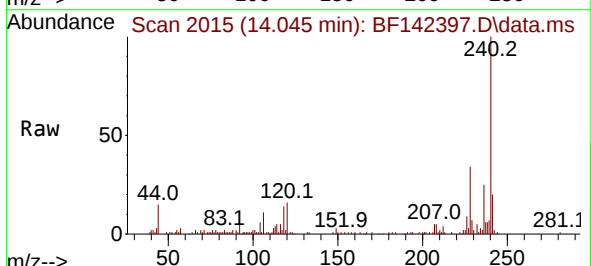
RT: 14.045 min Scan# 2015

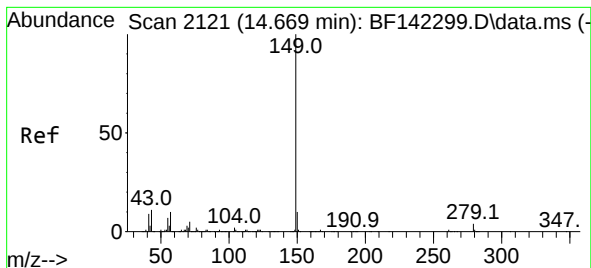
Delta R.T. -0.006 min

Lab File: BF142397.D

Acq: 15 May 2025 17:42

Tgt Ion:149	Resp:	1578
Ion Ratio	Lower	Upper
149	100	
167	24.5	22.0 33.0
279	0.0	3.0 4.6#





#85

Di-n-octyl phthalate

Concen: 7.879 ng

RT: 14.657 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF142397.D

Acq: 15 May 2025 17:42

Instrument :

BNA_F

ClientSampleId :

TP-14

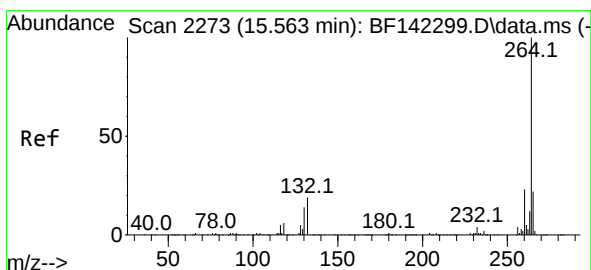
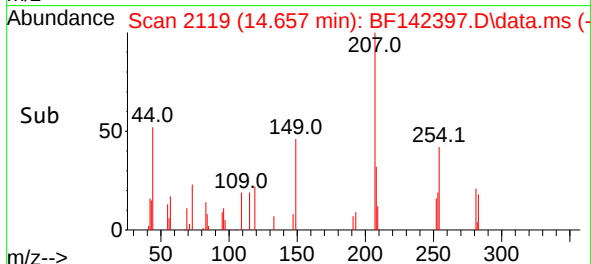
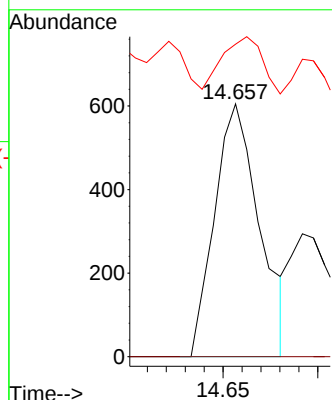
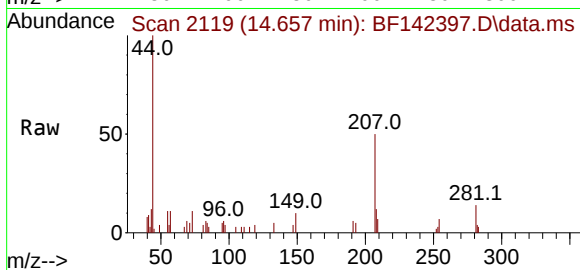
Tgt Ion:149 Resp: 996

Ion Ratio Lower Upper

149 100

167 0.0 1.1 1.7#

43 20.0 9.2 13.8#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 2271

Delta R.T. -0.012 min

Lab File: BF142397.D

Acq: 15 May 2025 17:42

Tgt Ion:264 Resp: 355002

Ion Ratio Lower Upper

264 100

260 22.9 18.6 27.8

265 21.5 17.5 26.3

