

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051625\
 Data File : BF142420.D
 Acq On : 16 May 2025 11:42
 Operator : RC/JU
 Sample : PB167970BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB167970BL

Quant Time: May 16 12:22:40 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)

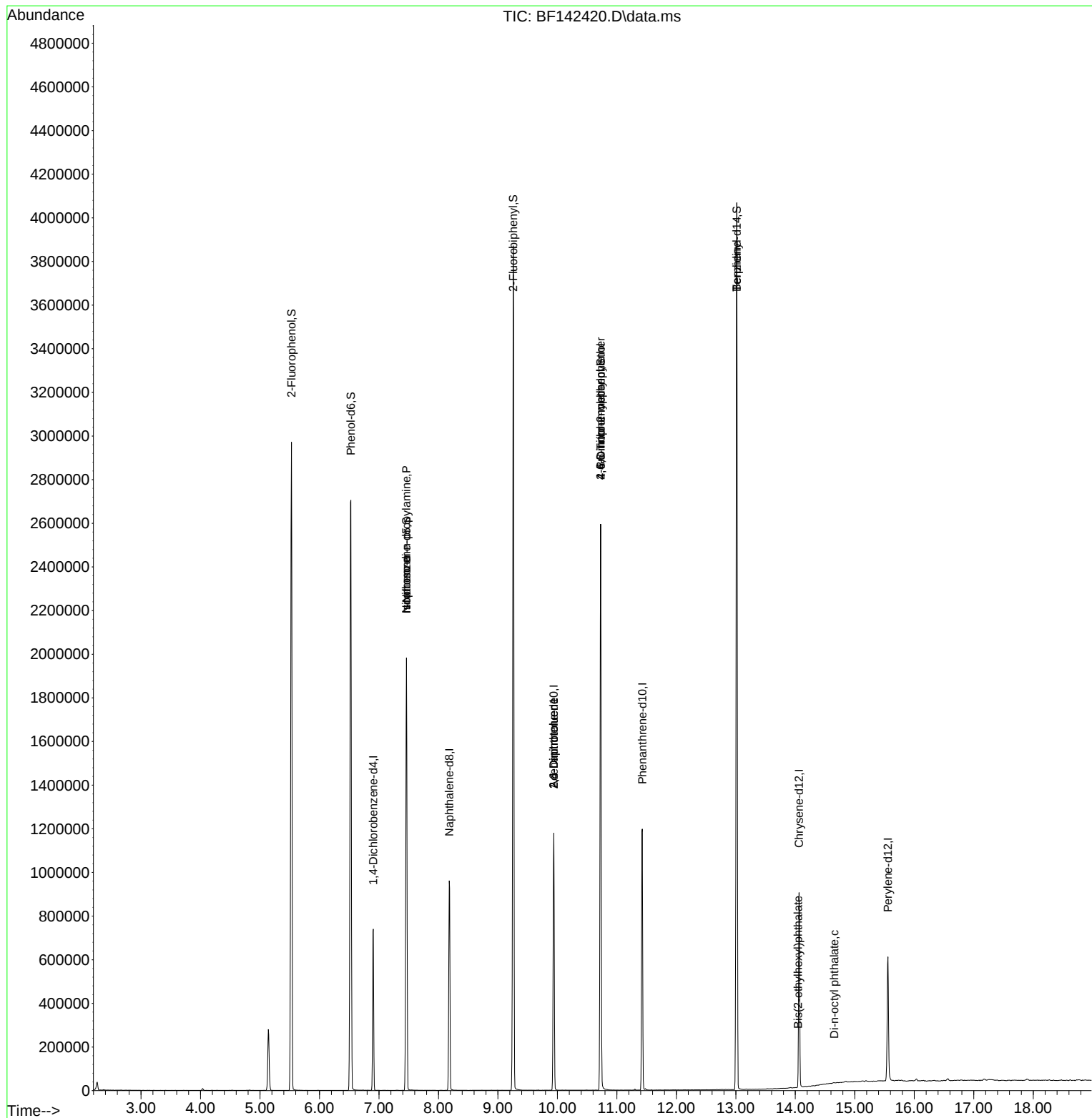
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	165323	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	649593	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	358475	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	646913	20.000	ng	0.00
76) Chrysene-d12	14.063	240	442239	20.000	ng	0.00
86) Perylene-d12	15.557	264	340899	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	1214511	125.407	ng	0.02
7) Phenol-d6	6.528	99	1455402	122.187	ng	0.00
23) Nitrobenzene-d5	7.463	82	904183	84.889	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	503794	145.563	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1854765	73.775	ng	0.00
79) Terphenyl-d14	13.016	244	2129305	71.265	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.463	70	122377	16.610	ng	# 76
25) Isophorone	7.463	82	896503	44.448	ng	# 62
51) 2,6-Dinitrotoluene	9.939	165	46425	10.775	ng	# 23
57) 2,4-Dinitrotoluene	9.939	165	46425	8.400	ng	# 25
65) 4,6-Dinitro-2-methylph...	10.728	198	974	7.460	ng	# 1
67) 4-Bromophenyl-phenylether	10.728	248	30016	4.094	ng	# 1
77) Benzidine	13.016	184	25251	3.142	ng	96
84) Bis(2-ethylhexyl)phtha...	14.045	149	276	4.254	ng	# 52
85) Di-n-octyl phthalate	14.657	149	378	7.852	ng	# 1

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

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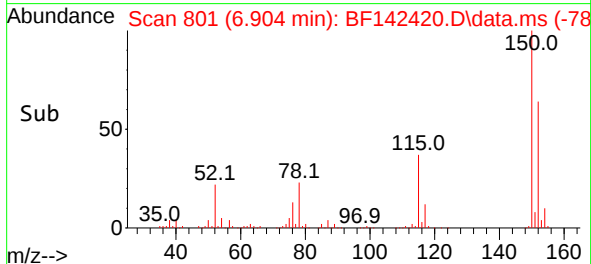
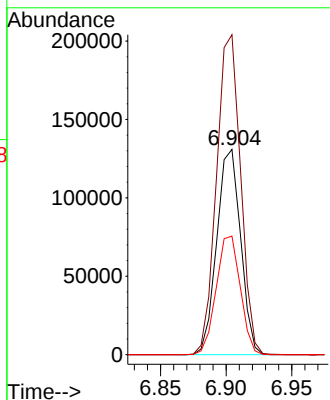
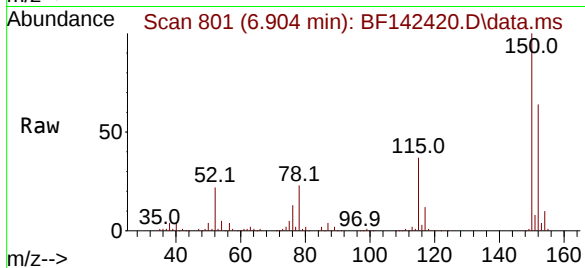




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF142420.D
Acq: 16 May 2025 11:42

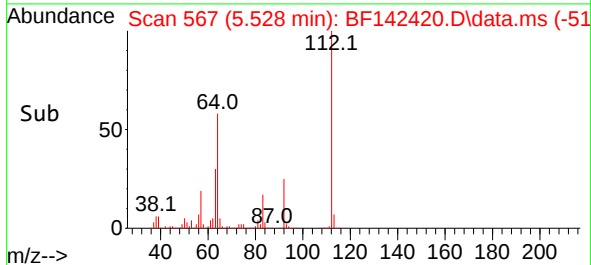
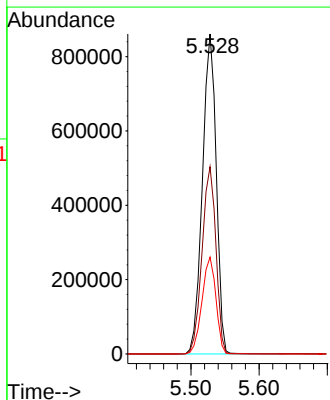
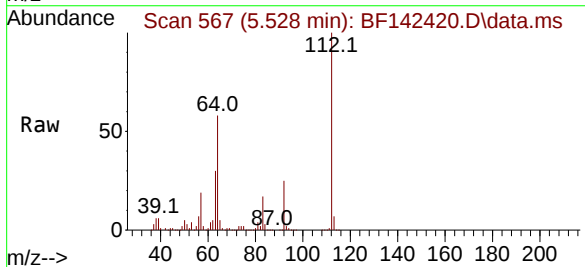
Instrument :
BNA_F
ClientSampleId :
PB167970BL

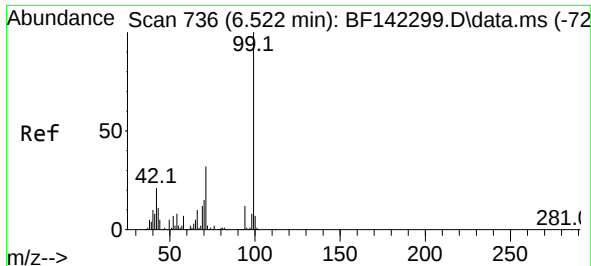
Tgt Ion:152 Resp: 165323
Ion Ratio Lower Upper
152 100
150 155.9 126.6 190.0
115 57.8 47.3 70.9



#5
2-Fluorophenol
Concen: 125.407 ng
RT: 5.528 min Scan# 567
Delta R.T. 0.018 min
Lab File: BF142420.D
Acq: 16 May 2025 11:42

Tgt Ion:112 Resp: 1214511
Ion Ratio Lower Upper
112 100
64 58.5 48.9 73.3
63 30.3 25.6 38.4

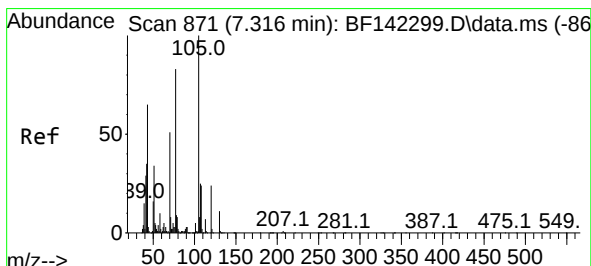
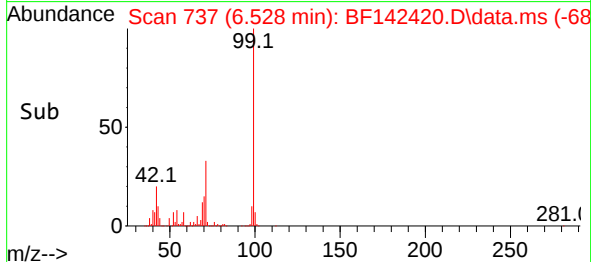
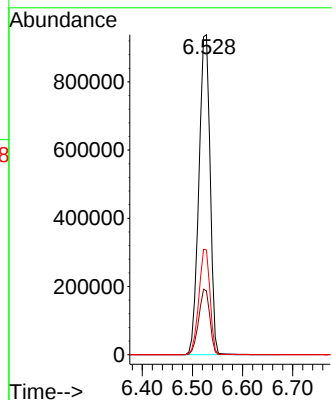
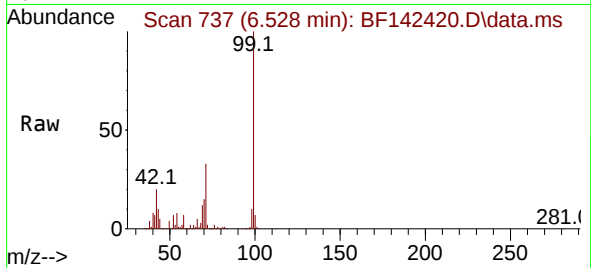




#7
Phenol-d6
Concen: 122.187 ng
RT: 6.528 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF142420.D
Acq: 16 May 2025 11:42

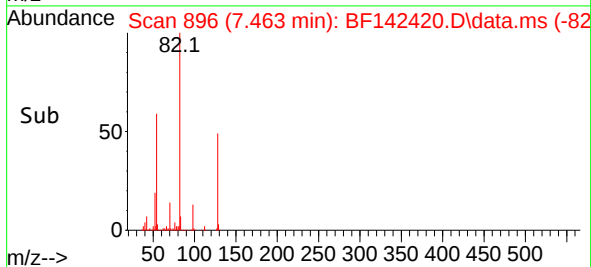
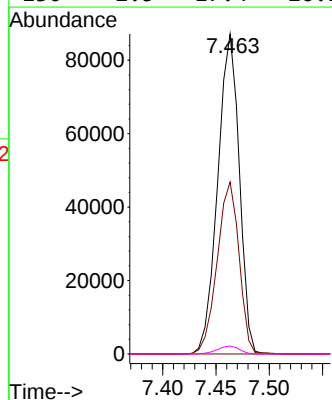
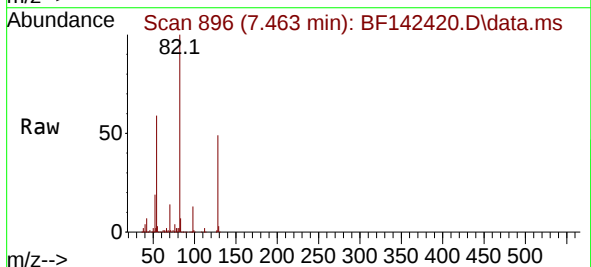
Instrument :
BNA_F
ClientSampleId :
PB167970BL

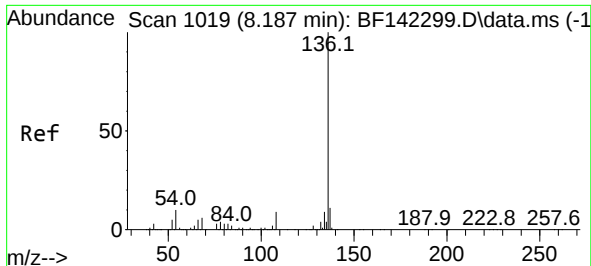
Tgt Ion: 99 Resp: 1455402
Ion Ratio Lower Upper
99 100
42 19.9 17.0 25.4
71 32.7 25.8 38.8



#19
n-Nitroso-di-n-propylamine
Concen: 16.610 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.147 min
Lab File: BF142420.D
Acq: 16 May 2025 11:42

Tgt Ion: 70 Resp: 122377
Ion Ratio Lower Upper
70 100
42 53.7 54.8 82.2#
101 0.0 7.7 11.5#
130 2.5 17.4 26.2#



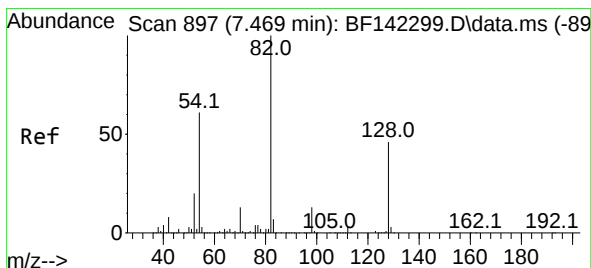
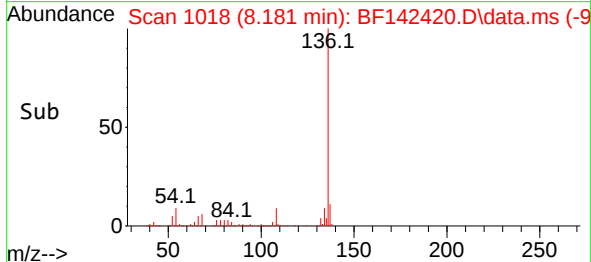
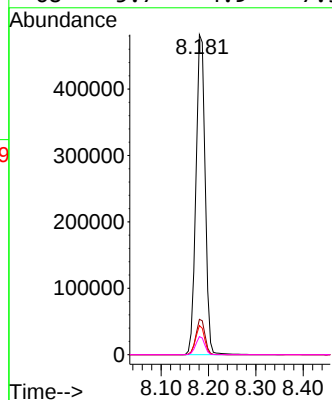
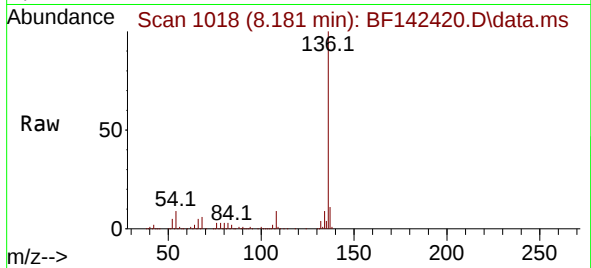


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142420.D
Acq: 16 May 2025 11:42

Instrument :
BNA_F
ClientSampleId :
PB167970BL

Tgt Ion:136 Resp: 649593

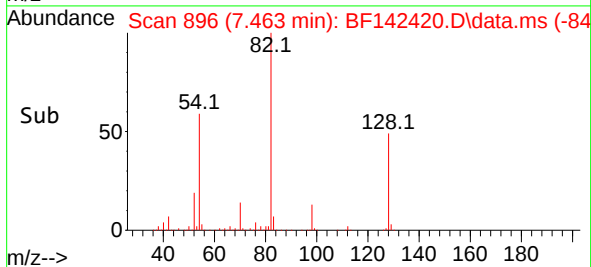
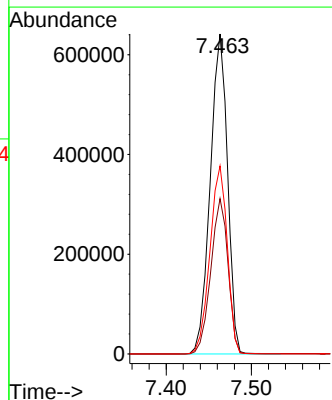
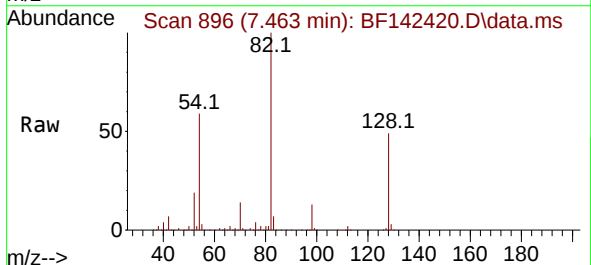
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	9.1	7.7	11.5
68	5.7	4.9	7.3

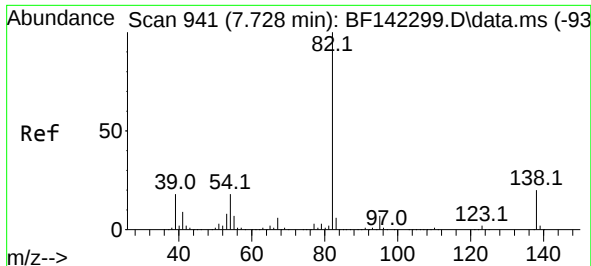


#23
Nitrobenzene-d5
Concen: 84.889 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.006 min
Lab File: BF142420.D
Acq: 16 May 2025 11:42

Tgt Ion: 82 Resp: 904183

Ion	Ratio	Lower	Upper
82	100		
128	48.5	37.0	55.6
54	58.8	48.6	73.0

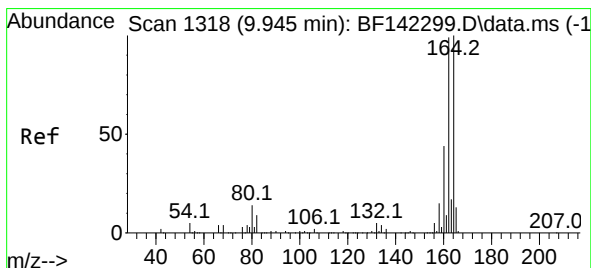
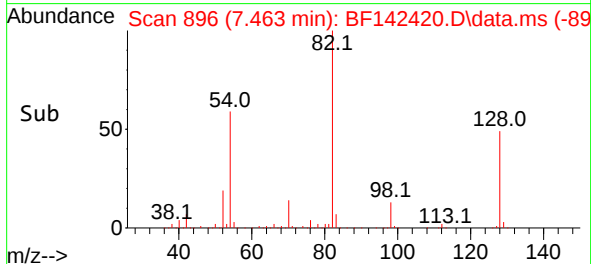
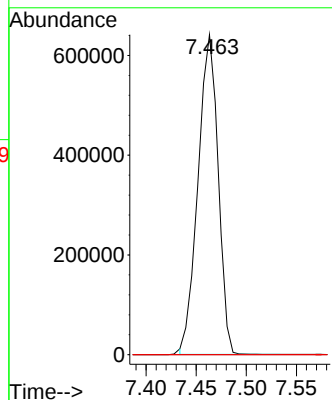
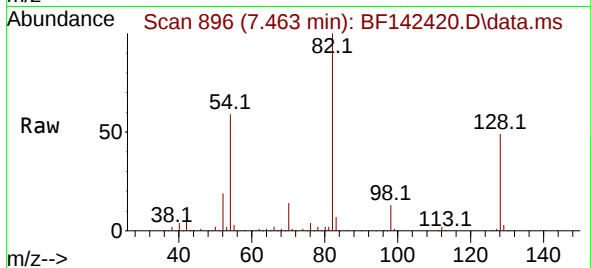




#25
Isophorone
Concen: 44.448 ng
RT: 7.463 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF142420.D
Acq: 16 May 2025 11:42

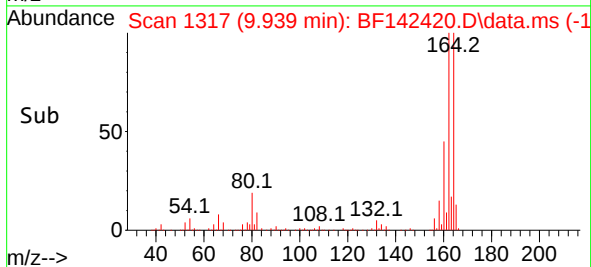
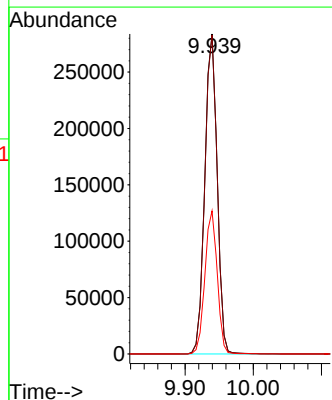
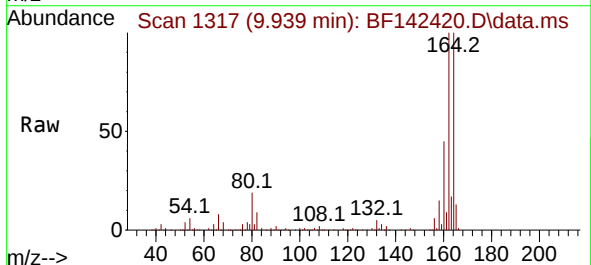
Instrument :
BNA_F
ClientSampleId :
PB167970BL

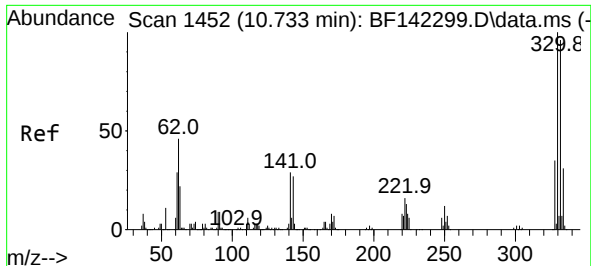
Tgt Ion: 82 Resp: 896503
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.1 24.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142420.D
Acq: 16 May 2025 11:42

Tgt Ion:164 Resp: 358475
Ion Ratio Lower Upper
164 100
162 99.7 79.2 118.8
160 44.7 35.3 52.9





#42

2,4,6-Tribromophenol

Concen: 145.563 ng

RT: 10.728 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF142420.D

Acq: 16 May 2025 11:42

Instrument :

BNA_F

ClientSampleId :

PB167970BL

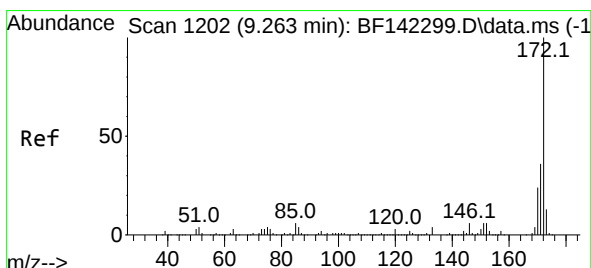
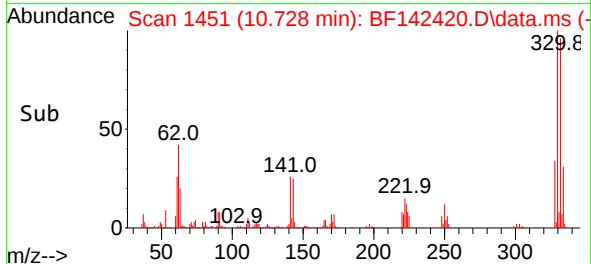
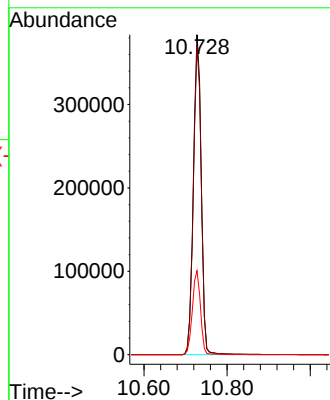
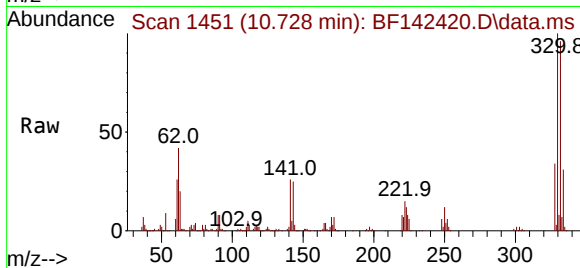
Tgt Ion:330 Resp: 503794

Ion Ratio Lower Upper

330 100

332 96.6 76.8 115.2

141 27.0 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 73.775 ng

RT: 9.257 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF142420.D

Acq: 16 May 2025 11:42

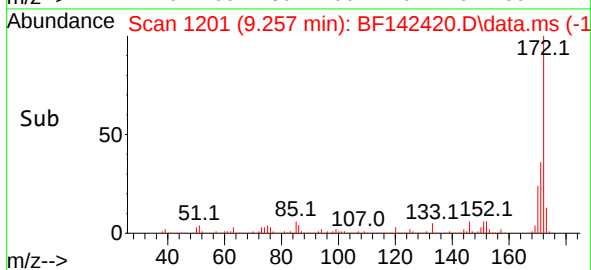
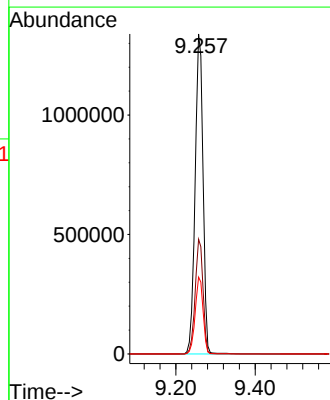
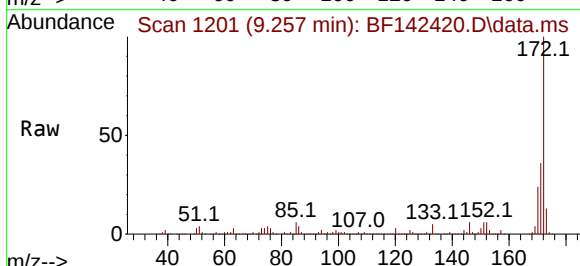
Tgt Ion:172 Resp: 1854765

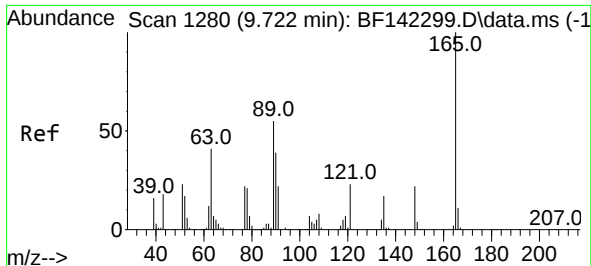
Ion Ratio Lower Upper

172 100

171 35.9 28.6 42.8

170 24.0 19.0 28.4

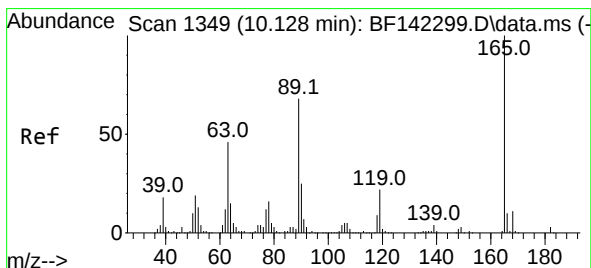
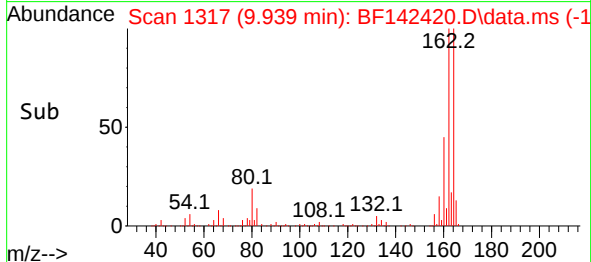
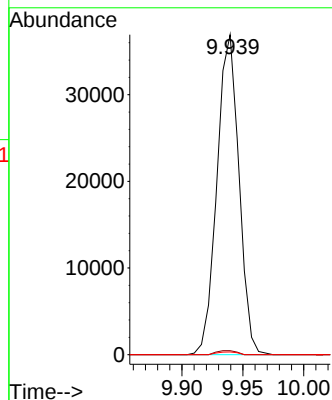
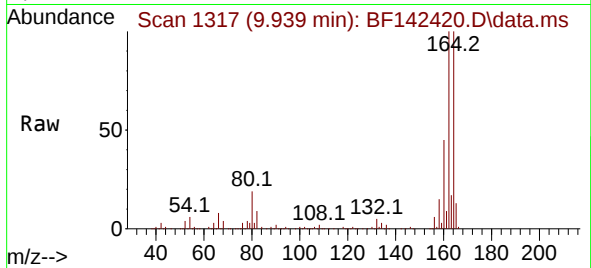




#51
2,6-Dinitrotoluene
Concen: 10.775 ng
RT: 9.939 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF142420.D
Acq: 16 May 2025 11:42

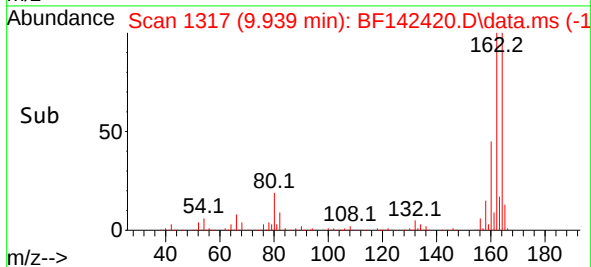
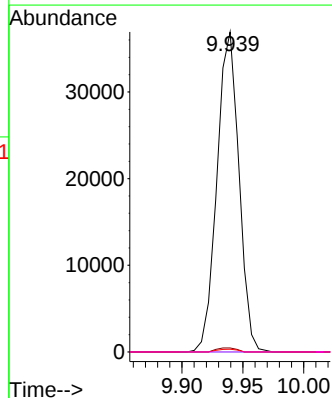
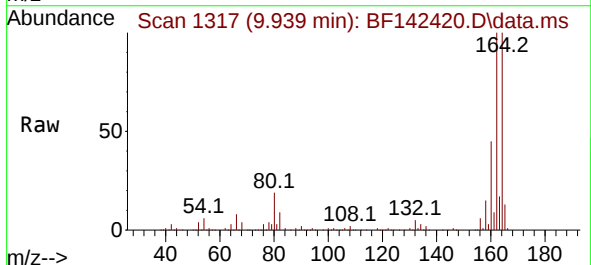
Instrument :
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PB167970BL

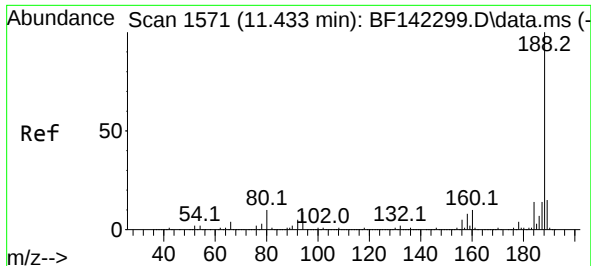
Tgt Ion:165 Resp: 46425
Ion Ratio Lower Upper
165 100
63 1.3 49.5 74.3#
89 0.9 44.6 66.8#



#57
2,4-Dinitrotoluene
Concen: 8.400 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.188 min
Lab File: BF142420.D
Acq: 16 May 2025 11:42

Tgt Ion:165 Resp: 46425
Ion Ratio Lower Upper
165 100
63 1.3 37.1 55.7#
89 0.9 54.4 81.6#
182 0.0 2.2 3.2#

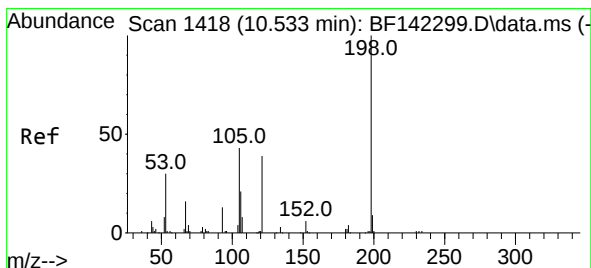
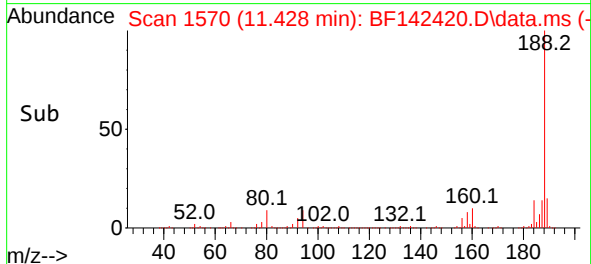
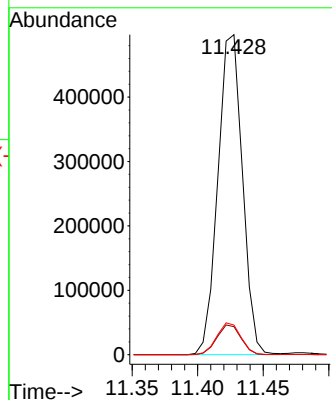
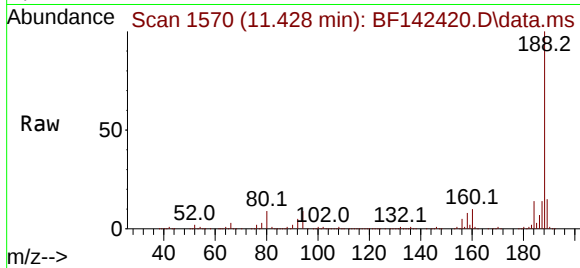




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142420.D
Acq: 16 May 2025 11:42

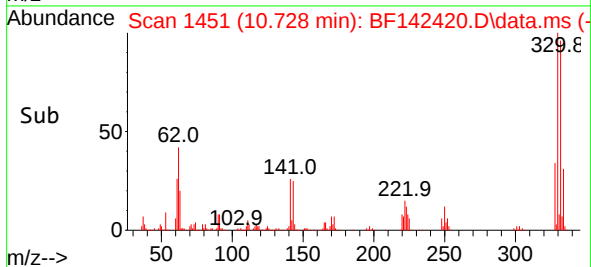
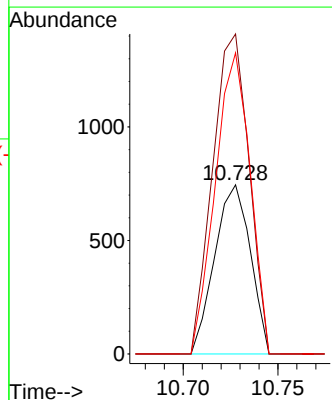
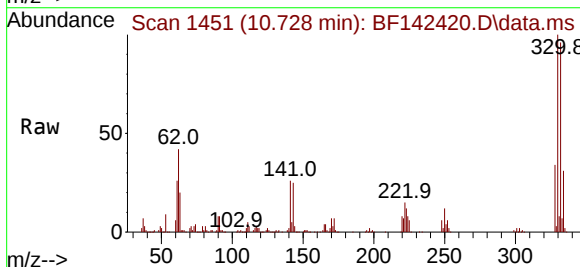
Instrument :
BNA_F
ClientSampleId :
PB167970BL

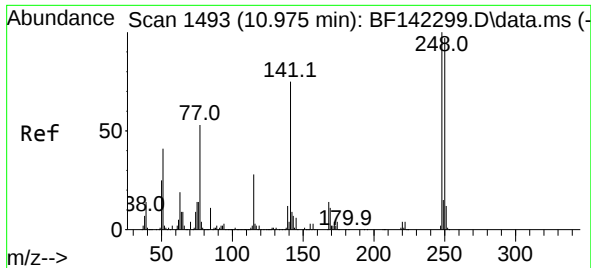
Tgt Ion:188 Resp: 646913
Ion Ratio Lower Upper
188 100
94 8.7 7.5 11.3
80 9.2 7.9 11.9



#65
4,6-Dinitro-2-methylphenol
Concen: 7.460 ng
RT: 10.728 min Scan# 1451
Delta R.T. 0.195 min
Lab File: BF142420.D
Acq: 16 May 2025 11:42

Tgt Ion:198 Resp: 974
Ion Ratio Lower Upper
198 100
51 189.1 32.9 72.9#
105 178.0 23.7 63.7#

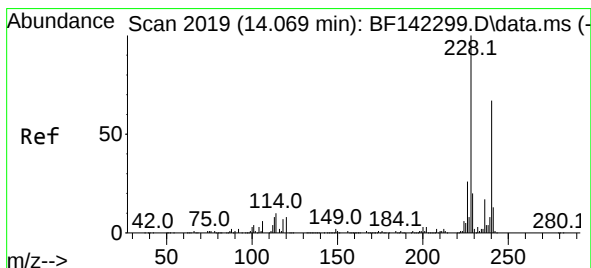
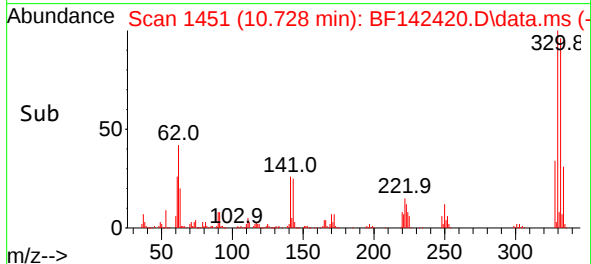
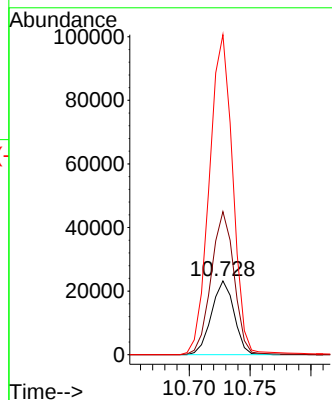
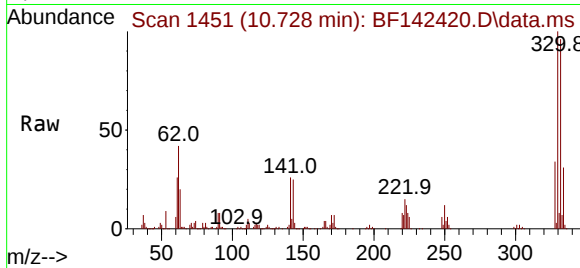




#67
4-Bromophenyl-phenylether
Concen: 4.094 ng
RT: 10.728 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF142420.D
Acq: 16 May 2025 11:42

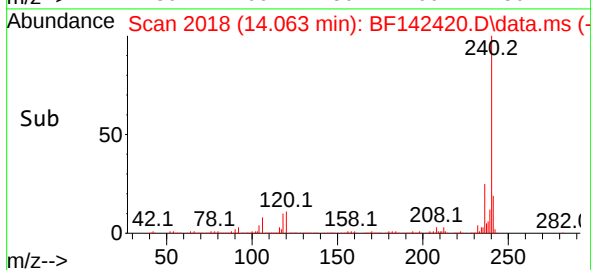
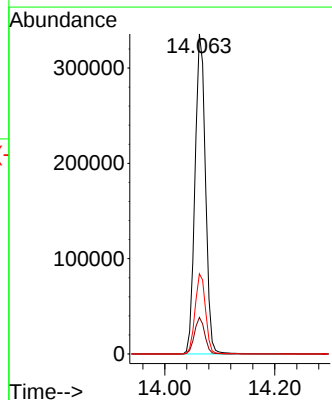
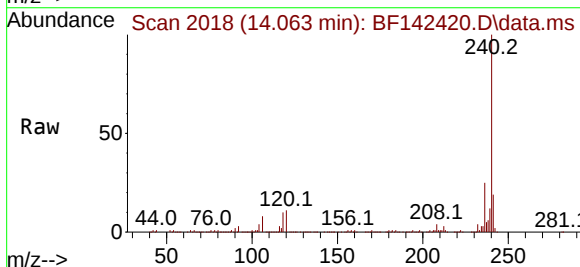
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ClientSampleId :
PB167970BL

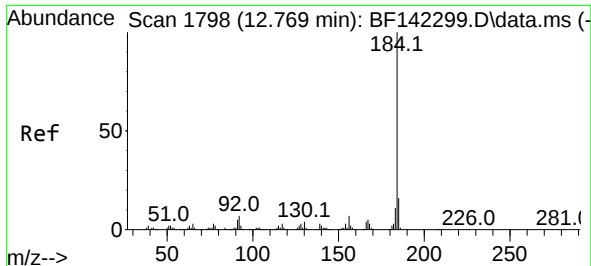
Tgt Ion:248 Resp: 30016
Ion Ratio Lower Upper
248 100
250 193.7 77.9 116.9#
141 433.4 59.8 89.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142420.D
Acq: 16 May 2025 11:42

Tgt Ion:240 Resp: 442239
Ion Ratio Lower Upper
240 100
120 11.4 9.7 14.5
236 25.1 20.0 30.0

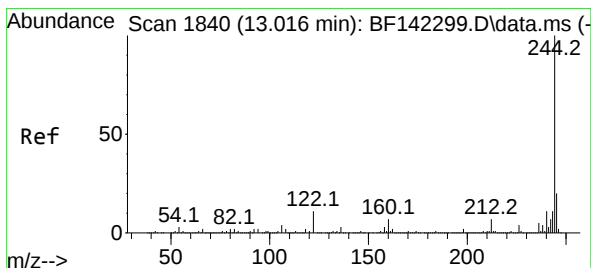
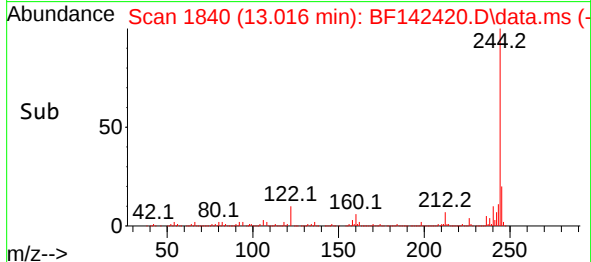
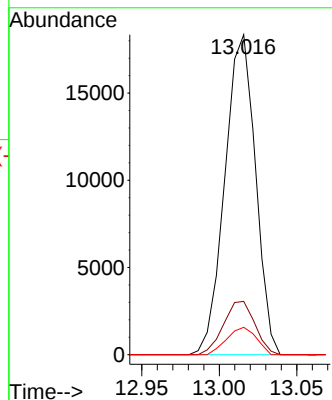
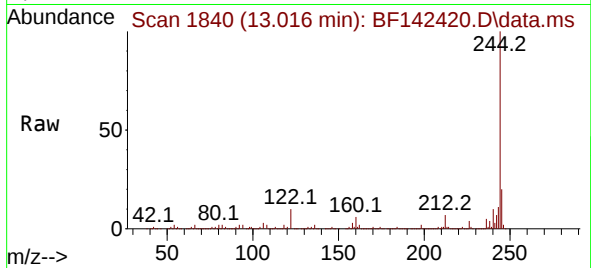




#77
Benzidine
Concen: 3.142 ng
RT: 13.016 min Scan# 1840
Delta R.T. 0.247 min
Lab File: BF142420.D
Acq: 16 May 2025 11:42

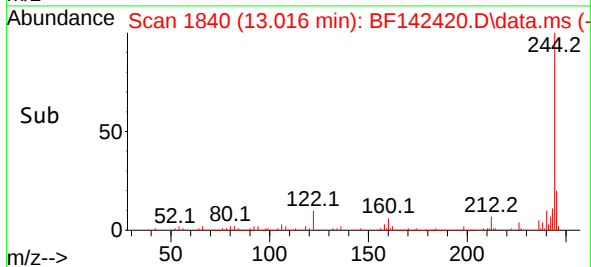
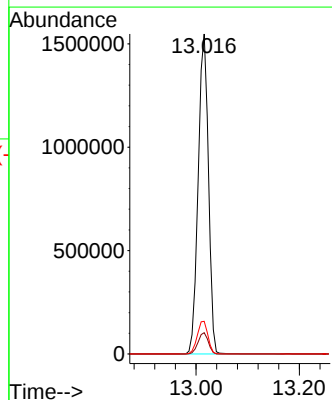
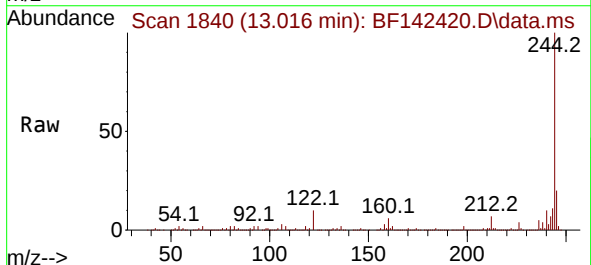
Instrument :
BNA_F
ClientSampleId :
PB167970BL

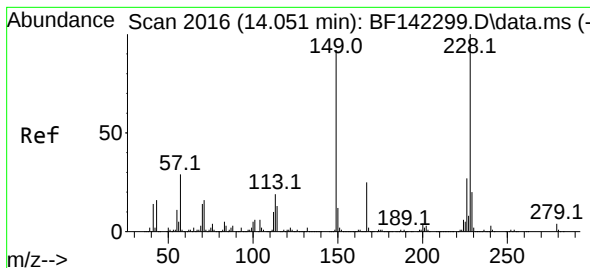
Tgt Ion:184 Resp: 25251
Ion Ratio Lower Upper
184 100
185 16.6 12.6 18.8
183 8.6 8.6 12.8



#79
Terphenyl-d14
Concen: 71.265 ng
RT: 13.016 min Scan# 1840
Delta R.T. 0.000 min
Lab File: BF142420.D
Acq: 16 May 2025 11:42

Tgt Ion:244 Resp: 2129305
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.2
122 10.2 9.0 13.4

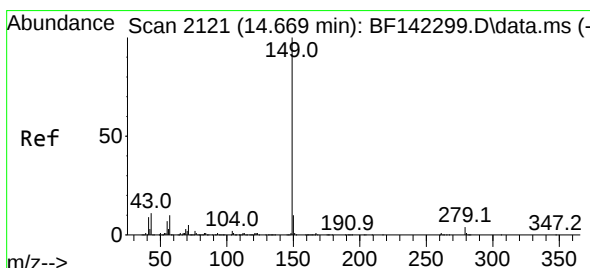
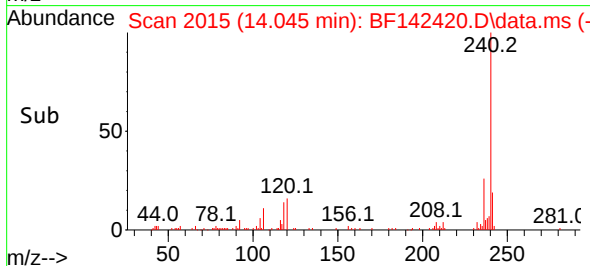
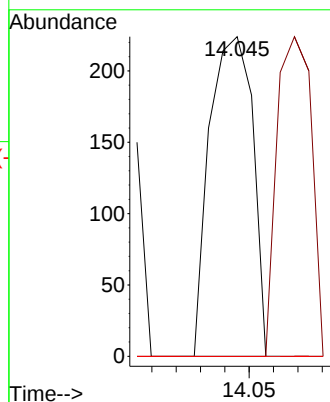
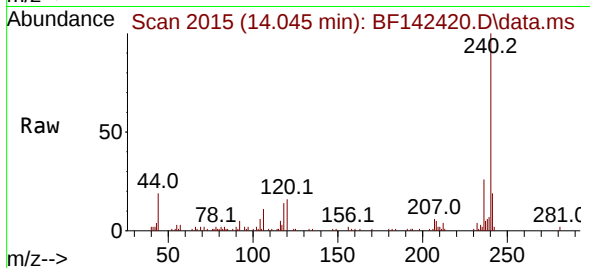




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.254 ng
RT: 14.045 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142420.D
Acq: 16 May 2025 11:42

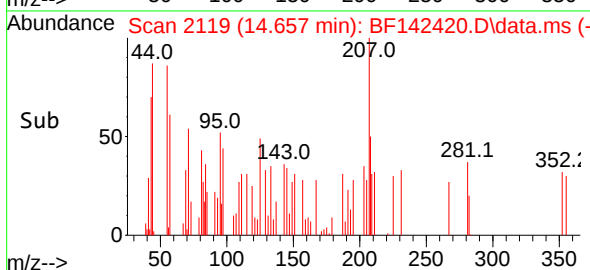
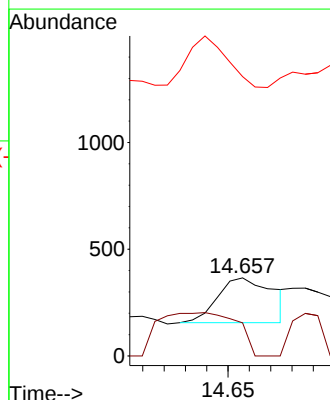
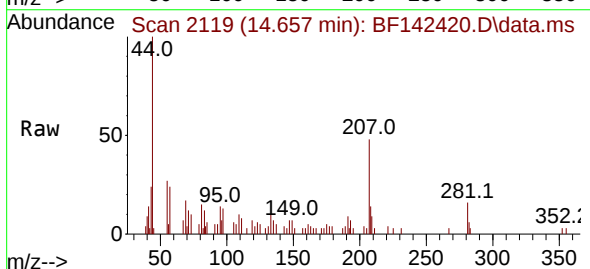
Instrument :
BNA_F
ClientSampleId :
PB167970BL

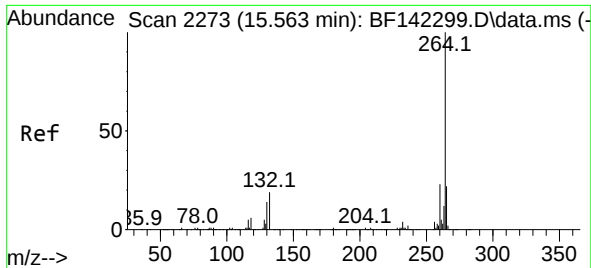
Tgt Ion:149 Resp: 276
Ion Ratio Lower Upper
149 100
167 0.0 22.0 33.0#
279 0.0 3.0 4.6#



#85
Di-n-octyl phthalate
Concen: 7.852 ng
RT: 14.657 min Scan# 2119
Delta R.T. -0.012 min
Lab File: BF142420.D
Acq: 16 May 2025 11:42

Tgt Ion:149 Resp: 378
Ion Ratio Lower Upper
149 100
167 137.3 1.1 1.7#
43 102.9 9.2 13.8#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.557 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF142420.D
 Acq: 16 May 2025 11:42

Instrument :
 BNA_F
 ClientSampleId :
 PB167970BL

Tgt Ion:264 Resp: 340899
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.6 27.8
 265 21.5 17.5 26.3

