

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
 Data File : BF142410.D
 Acq On : 15 May 2025 23:59
 Operator : RC/JU
 Sample : Q2020-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-A

Quant Time: May 16 01:11:33 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)

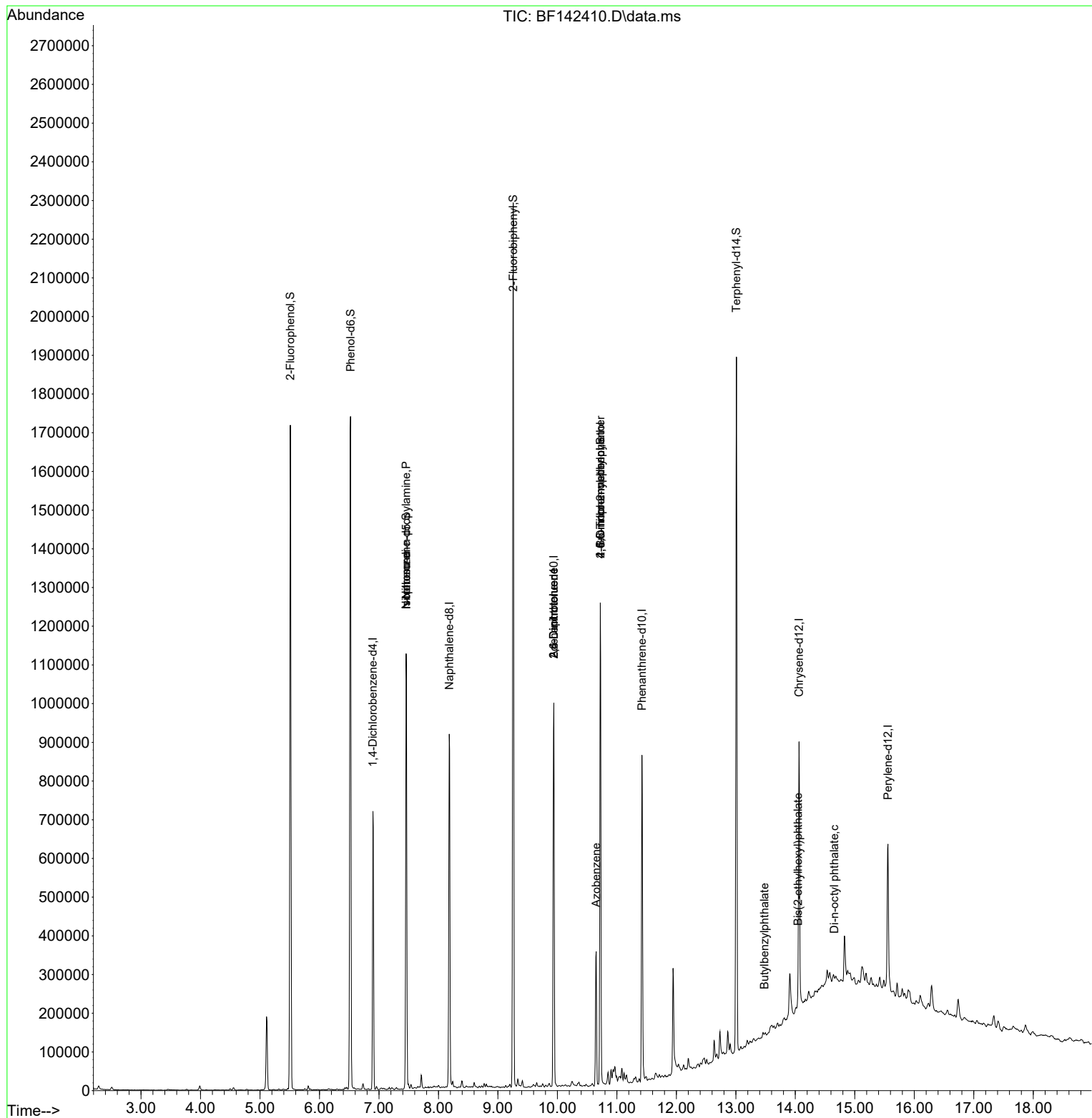
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	155347	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	587329	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	297449	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	434989	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	326945	20.000	ng	0.00
86) Perylene-d12	15.557	264	226682	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	653794	71.844	ng	0.00
7) Phenol-d6	6.522	99	844181	75.424	ng	0.00
23) Nitrobenzene-d5	7.457	82	463676	48.147	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	222313	77.412	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	1023521	49.064	ng	0.00
79) Terphenyl-d14	13.010	244	880125	39.844	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	63492	9.171	ng	# 76
25) Isophorone	7.457	82	459657	25.205	ng	# 62
51) 2,6-Dinitrotoluene	9.939	165	38794	10.851	ng	# 23
57) 2,4-Dinitrotoluene	9.939	165	38794	8.459	ng	# 25
63) Azobenzene	10.651	77	85977	4.717	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.722	198	403	7.354	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	13172	2.672	ng	# 1
80) Butylbenzylphthalate	13.480	149	333	3.695	ng	# 41
84) Bis(2-ethylhexyl)phtha...	14.045	149	8413	4.931	ng	# 90
85) Di-n-octyl phthalate	14.657	149	490	7.860	ng	# 54

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

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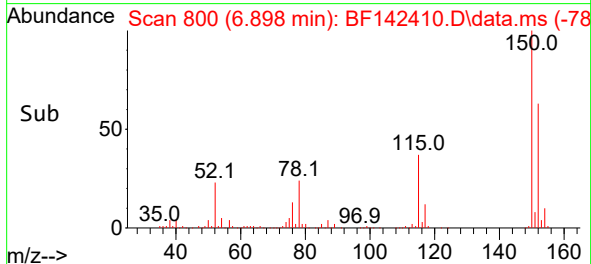
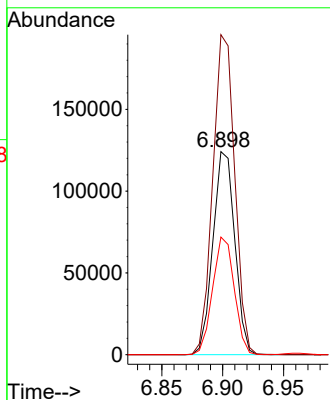
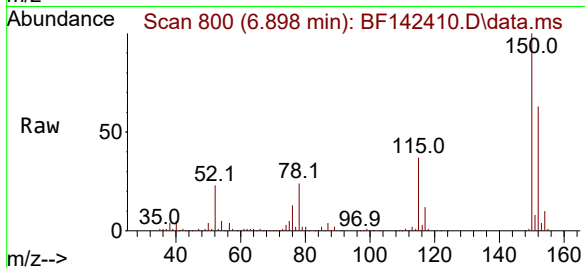




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 801
Delta R.T. -0.006 min
Lab File: BF142410.D
Acq: 15 May 2025 23:59

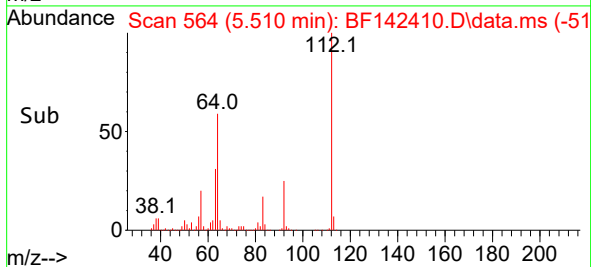
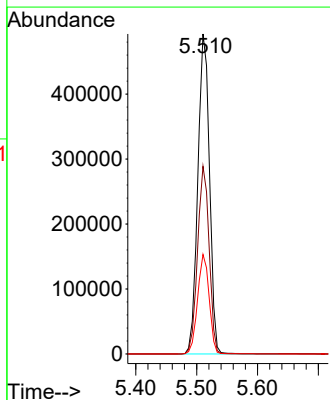
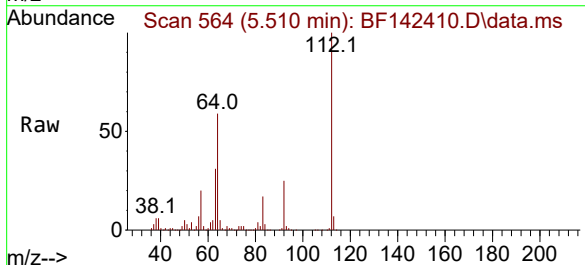
Instrument :
BNA_F
ClientSampleId :
TP-A

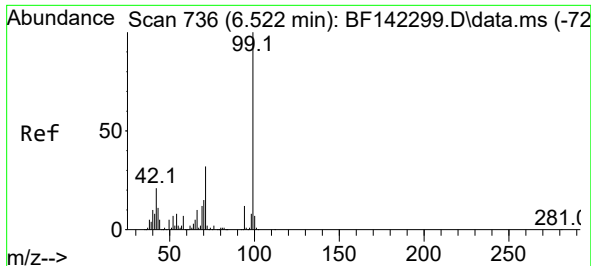
Tgt Ion:152 Resp: 155347
Ion Ratio Lower Upper
152 100
150 157.6 126.6 190.0
115 58.0 47.3 70.9



#5
2-Fluorophenol
Concen: 71.844 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.000 min
Lab File: BF142410.D
Acq: 15 May 2025 23:59

Tgt Ion:112 Resp: 653794
Ion Ratio Lower Upper
112 100
64 58.7 48.9 73.3
63 31.1 25.6 38.4

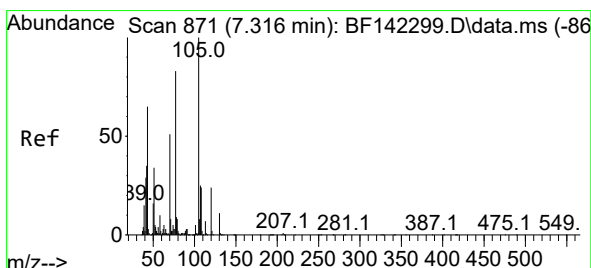
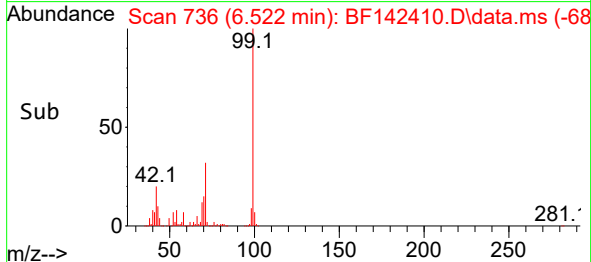
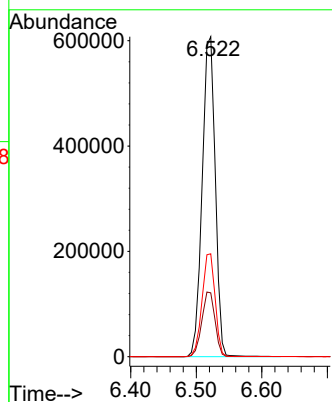
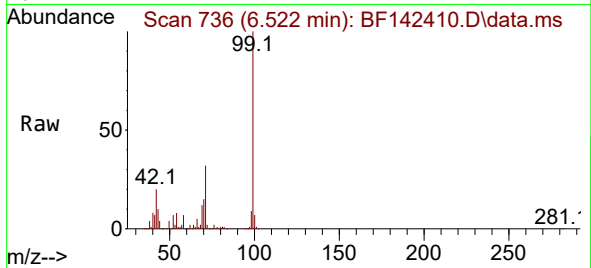




#7
Phenol-d6
Concen: 75.424 ng
RT: 6.522 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF142410.D
Acq: 15 May 2025 23:59

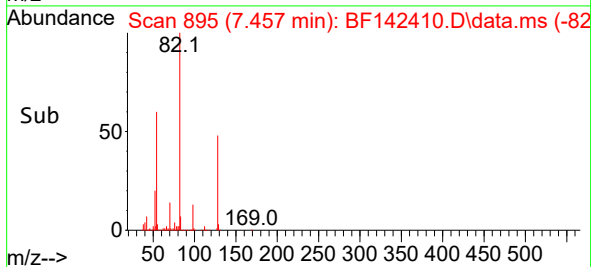
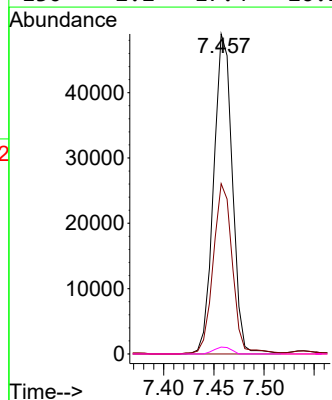
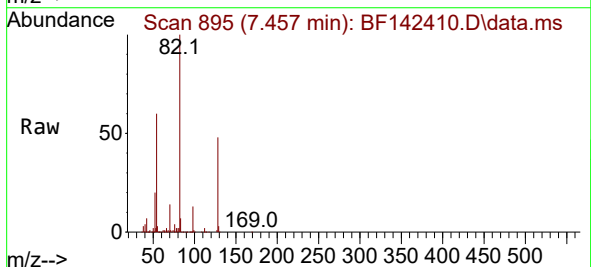
Instrument :
BNA_F
ClientSampleId :
TP-A

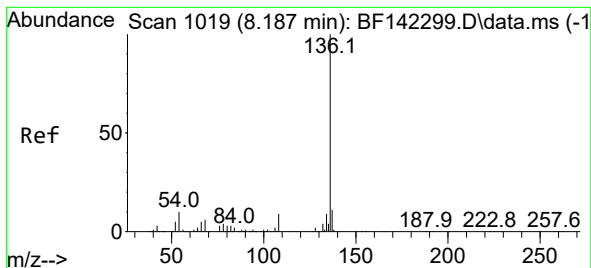
Tgt Ion: 99 Resp: 844181
Ion Ratio Lower Upper
99 100
42 20.0 17.0 25.4
71 32.1 25.8 38.8



#19
n-Nitroso-di-n-propylamine
Concen: 9.171 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.141 min
Lab File: BF142410.D
Acq: 15 May 2025 23:59

Tgt Ion: 70 Resp: 63492
Ion Ratio Lower Upper
70 100
42 53.2 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: BF142410.D

Acq: 15 May 2025 23:59

Instrument :

BNA_F

ClientSampleId :

TP-A

Tgt Ion:136 Resp: 587329

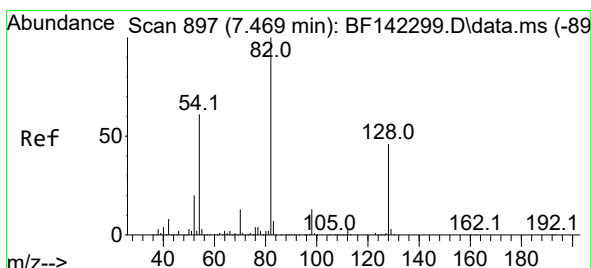
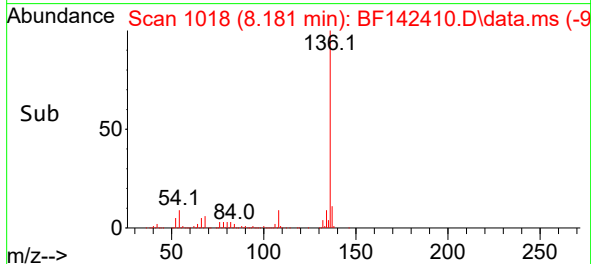
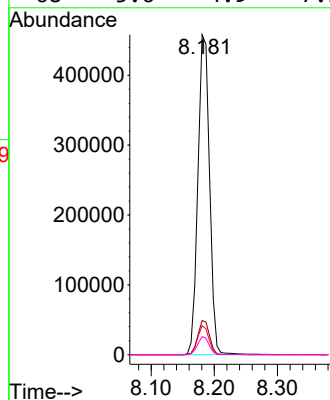
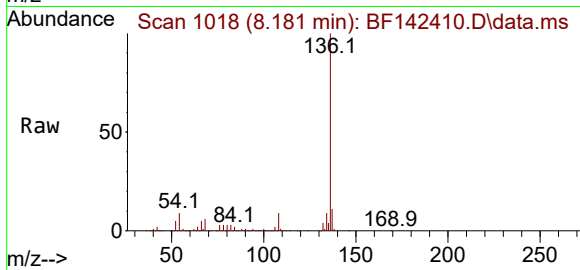
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 9.0 7.7 11.5

68 5.6 4.9 7.3



#23

Nitrobenzene-d5

Concen: 48.147 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF142410.D

Acq: 15 May 2025 23:59

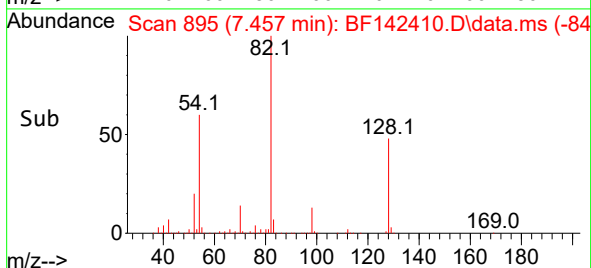
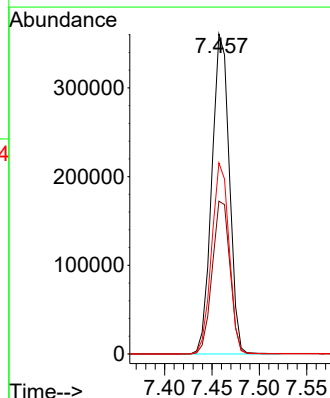
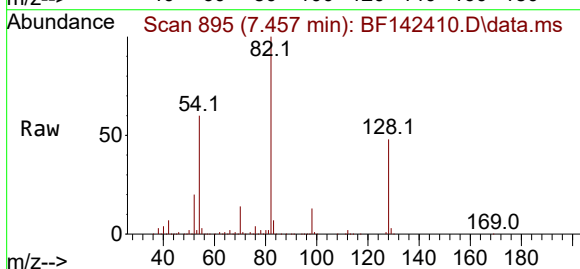
Tgt Ion: 82 Resp: 463676

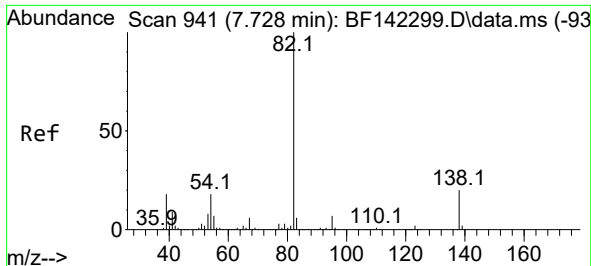
Ion Ratio Lower Upper

82 100

128 47.7 37.0 55.6

54 59.7 48.6 73.0

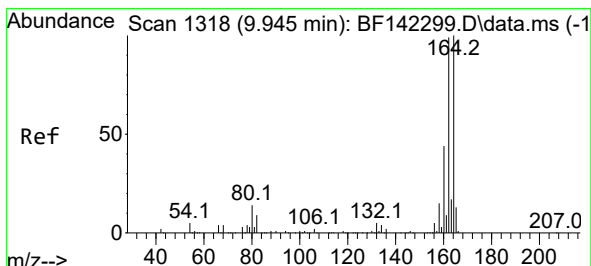
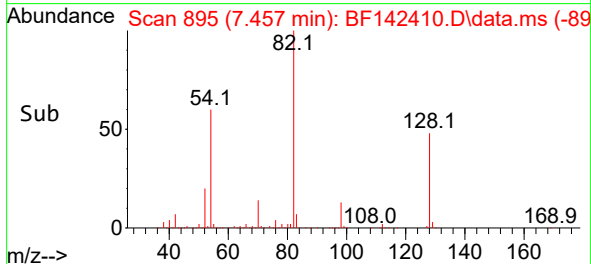
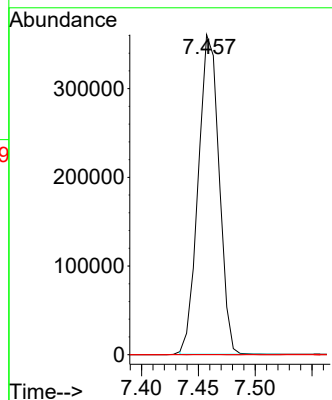
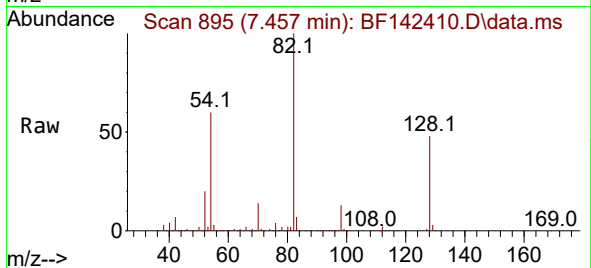




#25
Isophorone
Concen: 25.205 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.271 min
Lab File: BF142410.D
Acq: 15 May 2025 23:59

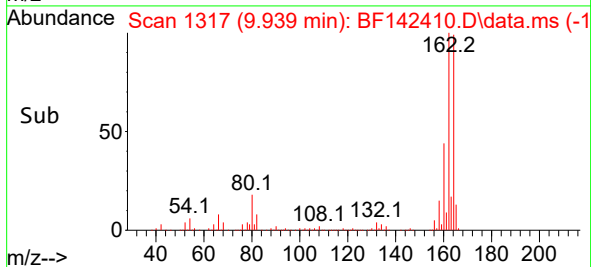
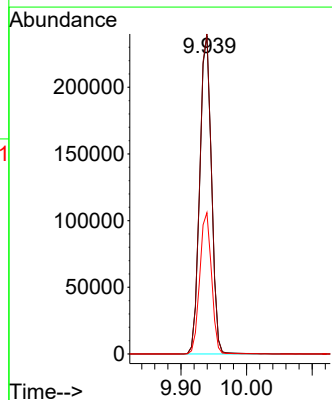
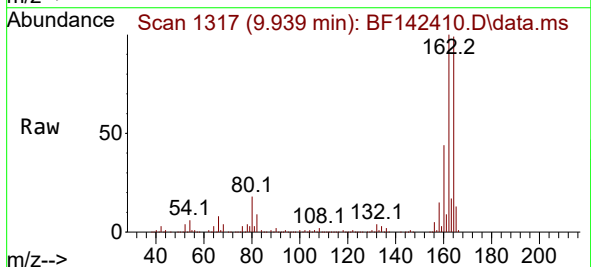
Instrument :
BNA_F
ClientSampleId :
TP-A

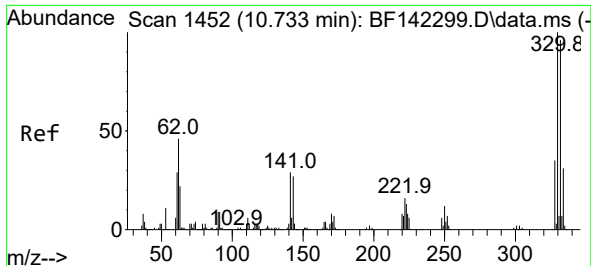
Tgt Ion: 82 Resp: 459657
Ion Ratio Lower Upper
82 100
95 0.1 5.8 8.8#
138 0.0 16.1 24.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142410.D
Acq: 15 May 2025 23:59

Tgt Ion:164 Resp: 297449
Ion Ratio Lower Upper
164 100
162 100.6 79.2 118.8
160 44.4 35.3 52.9

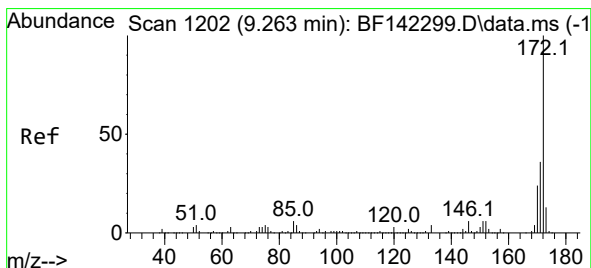
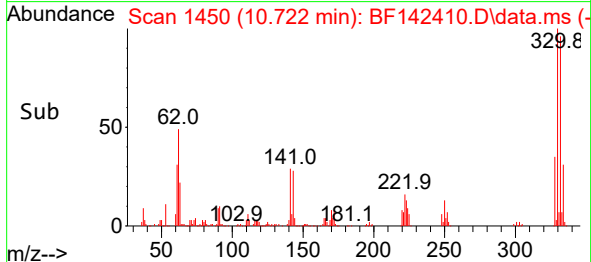
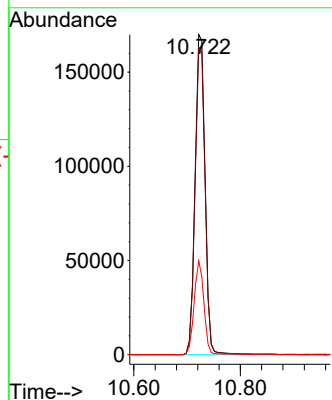
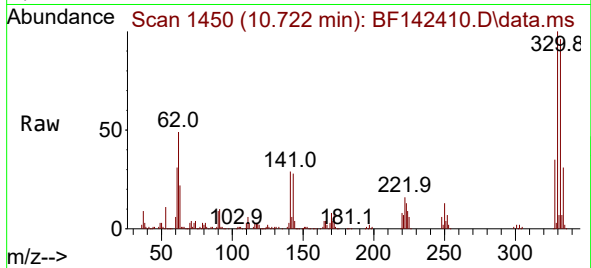




#42
 2,4,6-Tribromophenol
 Concen: 77.412 ng
 RT: 10.722 min Scan# 1450
 Delta R.T. -0.012 min
 Lab File: BF142410.D
 Acq: 15 May 2025 23:59

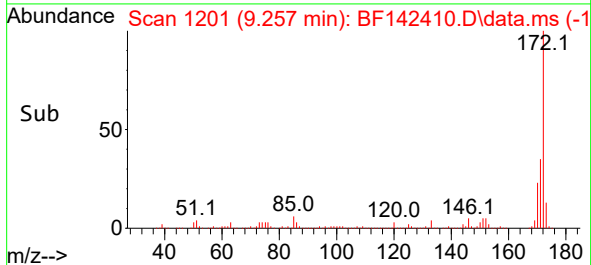
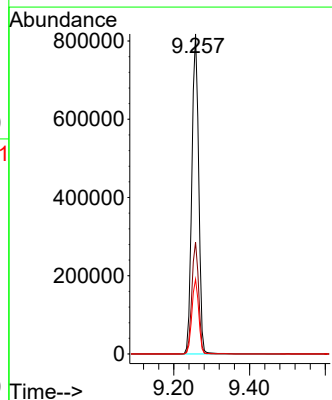
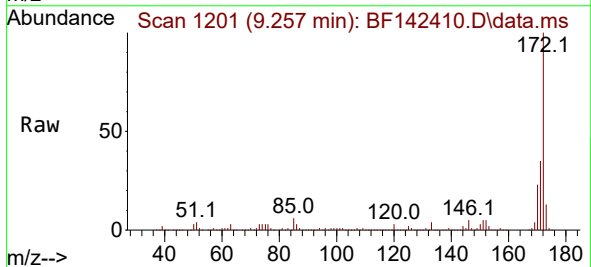
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 ClientSampleId :
 TP-A

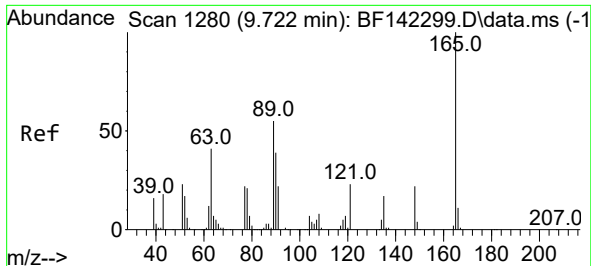
Tgt Ion:330 Resp: 222313
 Ion Ratio Lower Upper
 330 100
 332 96.3 76.8 115.2
 141 28.8 24.9 37.3



#45
 2-Fluorobiphenyl
 Concen: 49.064 ng
 RT: 9.257 min Scan# 1201
 Delta R.T. -0.006 min
 Lab File: BF142410.D
 Acq: 15 May 2025 23:59

Tgt Ion:172 Resp: 1023521
 Ion Ratio Lower Upper
 172 100
 171 35.0 28.6 42.8
 170 23.4 19.0 28.4

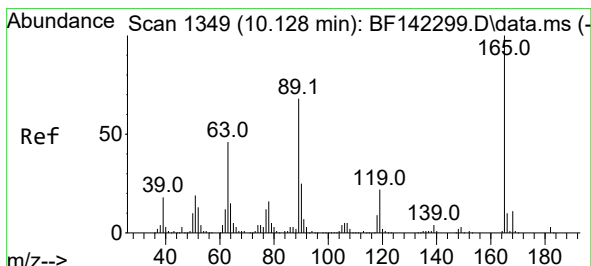
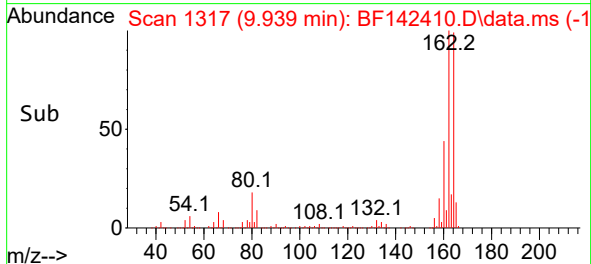
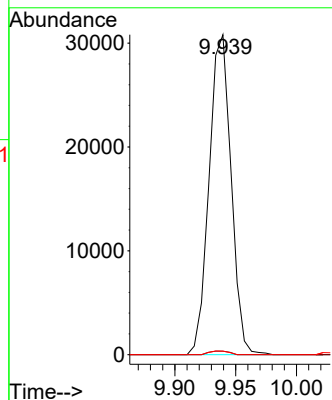
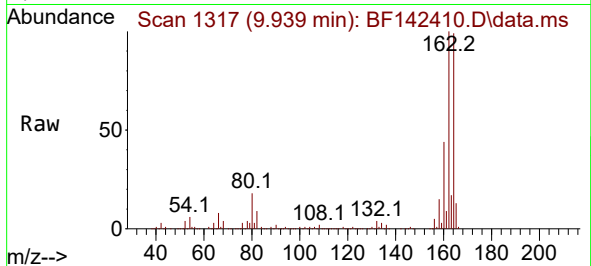




#51
2,6-Dinitrotoluene
Concen: 10.851 ng
RT: 9.939 min Scan# 1317
Delta R.T. 0.218 min
Lab File: BF142410.D
Acq: 15 May 2025 23:59

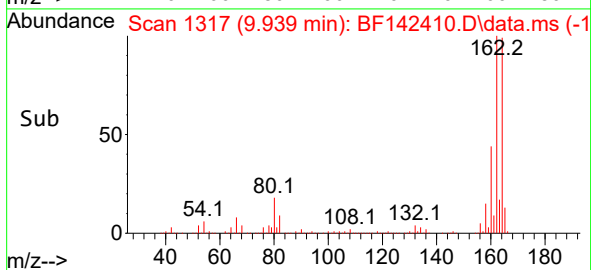
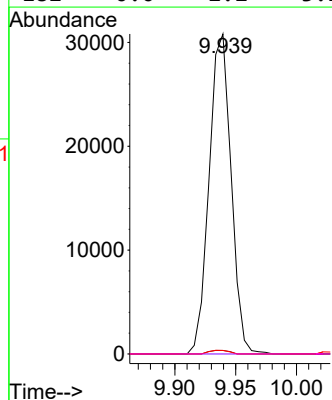
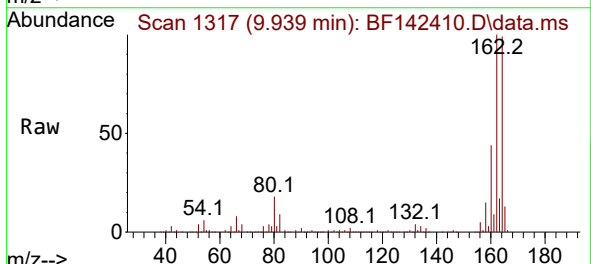
Instrument :
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ClientSampleId :
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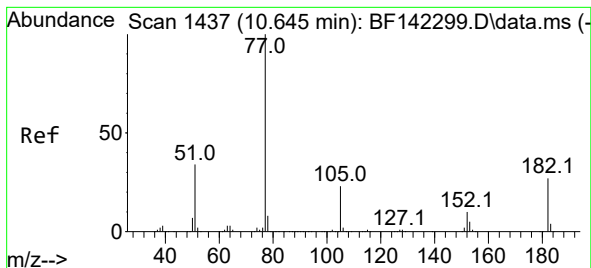
Tgt Ion:165 Resp: 38794
Ion Ratio Lower Upper
165 100
63 1.1 49.5 74.3#
89 1.1 44.6 66.8#



#57
2,4-Dinitrotoluene
Concen: 8.459 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.188 min
Lab File: BF142410.D
Acq: 15 May 2025 23:59

Tgt Ion:165 Resp: 38794
Ion Ratio Lower Upper
165 100
63 1.1 37.1 55.7#
89 1.1 54.4 81.6#
182 0.0 2.2 3.2#





#63

Azobenzene

Concen: 4.717 ng

RT: 10.651 min Scan# 1438

Delta R.T. 0.006 min

Lab File: BF142410.D

Acq: 15 May 2025 23:59

Instrument :

BNA_F

ClientSampleId :

TP-A

Tgt Ion: 77 Resp: 85977

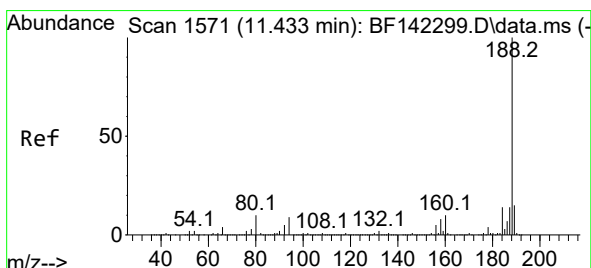
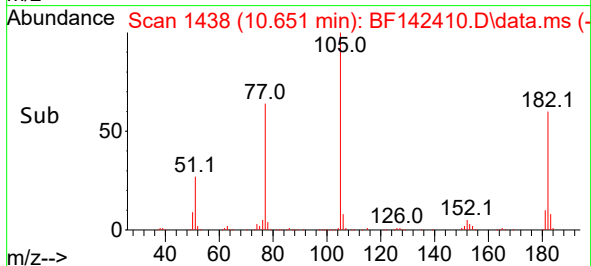
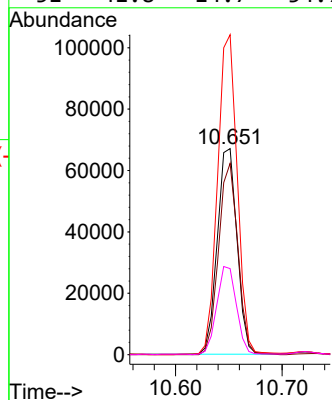
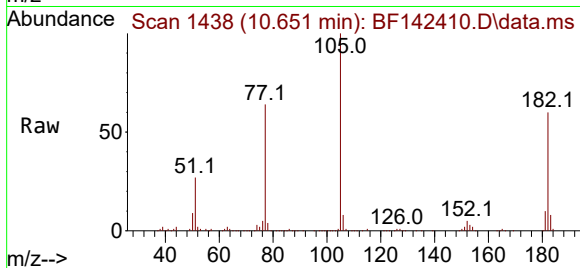
Ion Ratio Lower Upper

77 100

182 92.9 6.9 46.9#

105 155.3 2.7 42.7#

51 41.8 14.7 54.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1569

Delta R.T. -0.012 min

Lab File: BF142410.D

Acq: 15 May 2025 23:59

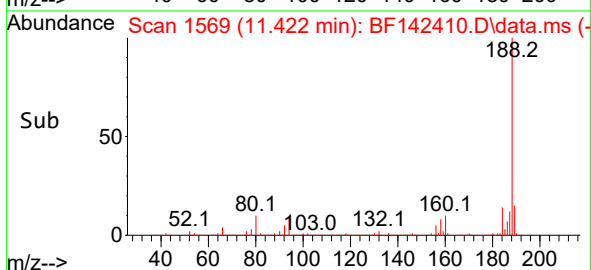
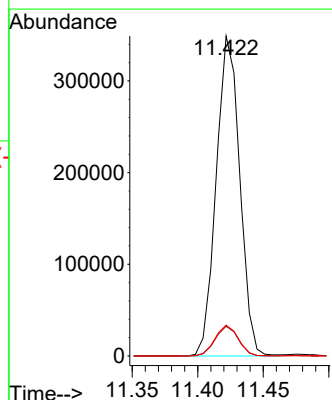
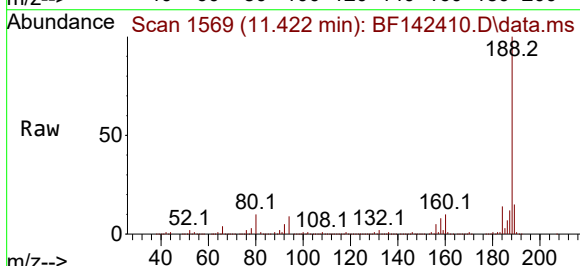
Tgt Ion: 188 Resp: 434989

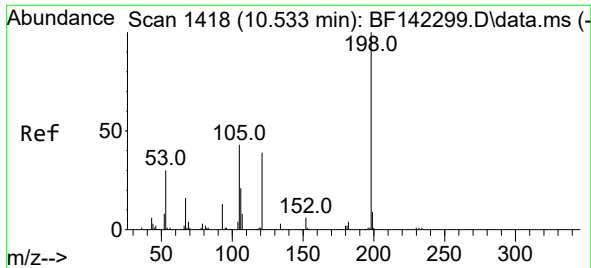
Ion Ratio Lower Upper

188 100

94 9.3 7.5 11.3

80 9.6 7.9 11.9

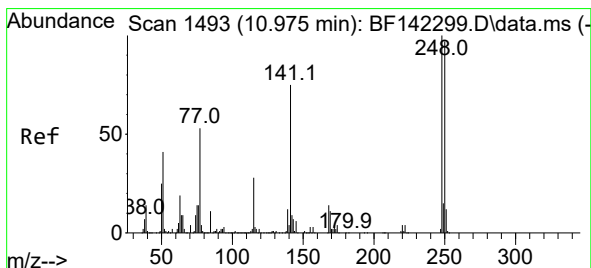
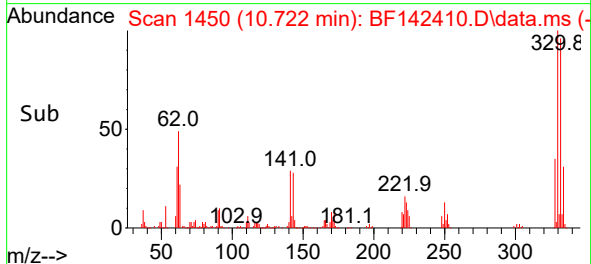
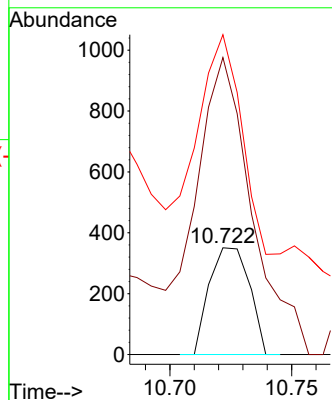
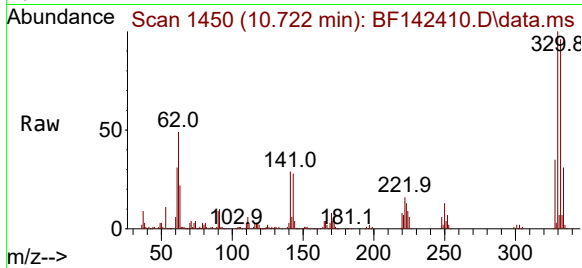




#65
4,6-Dinitro-2-methylphenol
Concen: 7.354 ng
RT: 10.722 min Scan# 1418
Delta R.T. 0.189 min
Lab File: BF142410.D
Acq: 15 May 2025 23:59

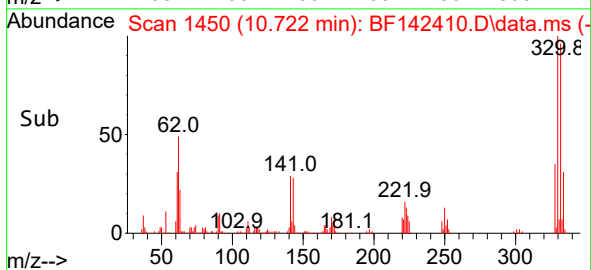
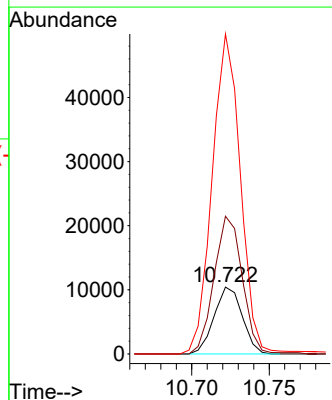
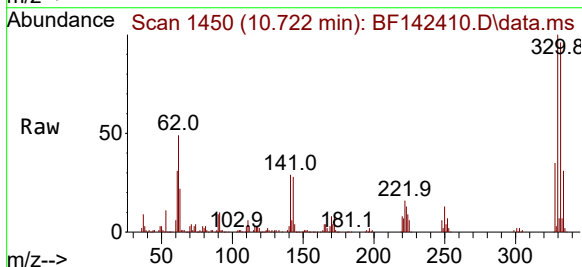
Instrument :
BNA_F
ClientSampleId :
TP-A

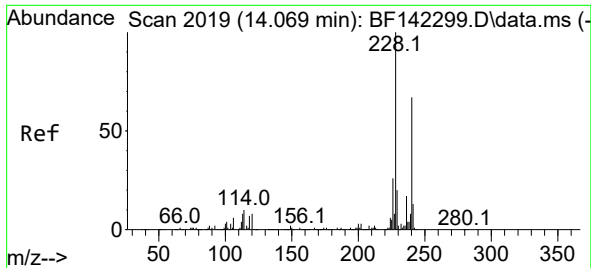
Tgt Ion:198 Resp: 403
Ion Ratio Lower Upper
198 100
51 278.1 32.9 72.9#
105 299.4 23.7 63.7#



#67
4-Bromophenyl-phenylether
Concen: 2.672 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.253 min
Lab File: BF142410.D
Acq: 15 May 2025 23:59

Tgt Ion:248 Resp: 13172
Ion Ratio Lower Upper
248 100
250 206.1 77.9 116.9#
141 478.8 59.8 89.8#

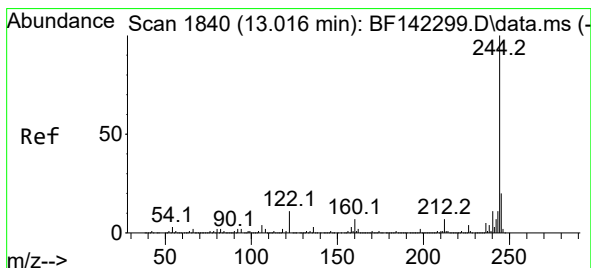
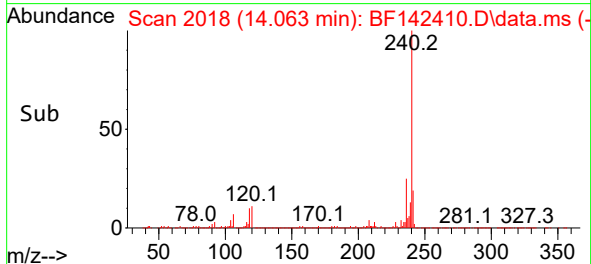
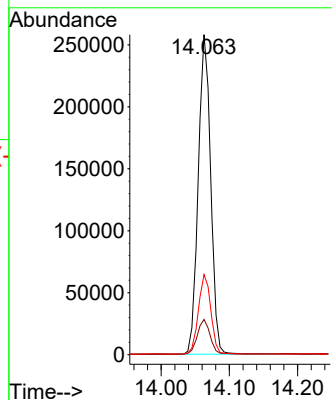
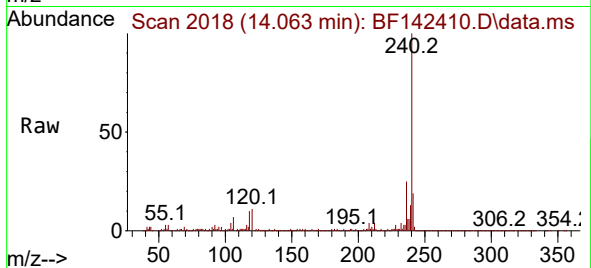




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF142410.D
Acq: 15 May 2025 23:59

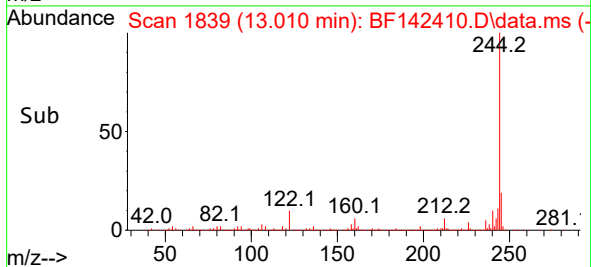
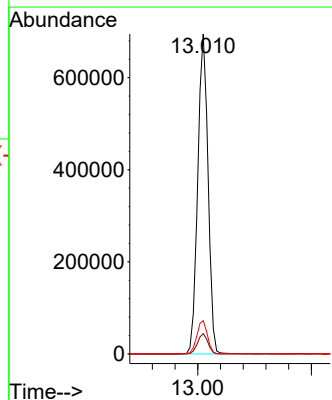
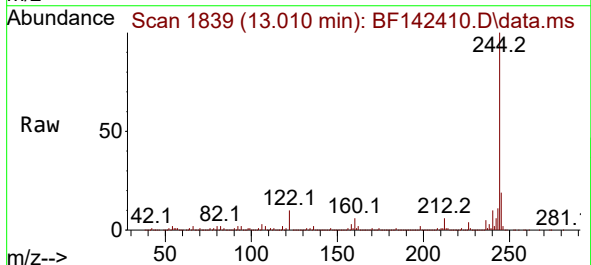
Instrument :
BNA_F
ClientSampleId :
TP-A

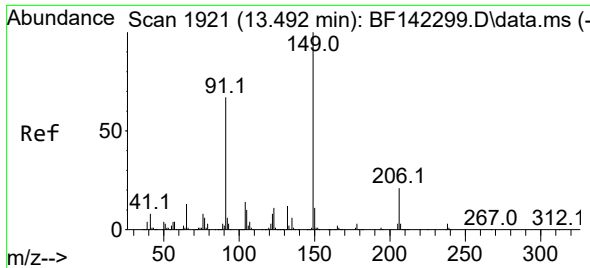
Tgt Ion:240 Resp: 326945
Ion Ratio Lower Upper
240 100
120 11.0 9.7 14.5
236 25.0 20.0 30.0



#79
Terphenyl-d14
Concen: 39.844 ng
RT: 13.010 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF142410.D
Acq: 15 May 2025 23:59

Tgt Ion:244 Resp: 880125
Ion Ratio Lower Upper
244 100
212 6.4 5.4 8.2
122 10.4 9.0 13.4

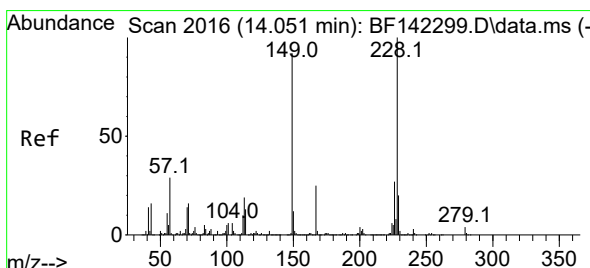
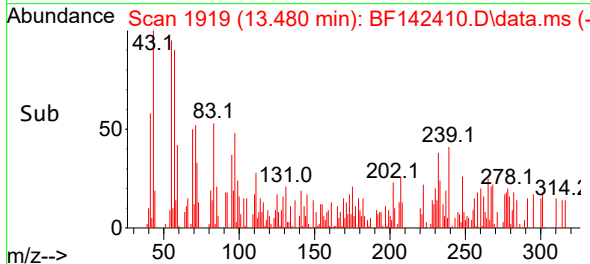
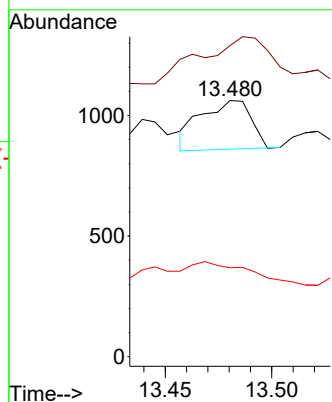
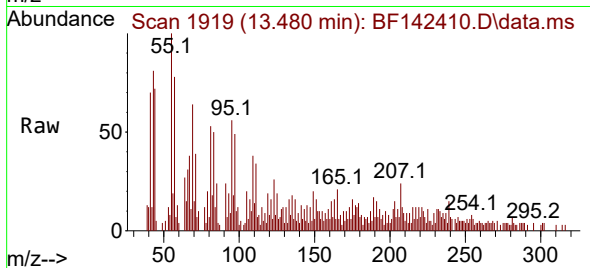




#80
 Butylbenzylphthalate
 Concen: 3.695 ng
 RT: 13.480 min Scan# 1919
 Delta R.T. -0.012 min
 Lab File: BF142410.D
 Acq: 15 May 2025 23:59

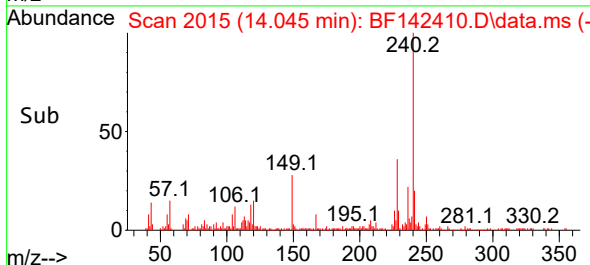
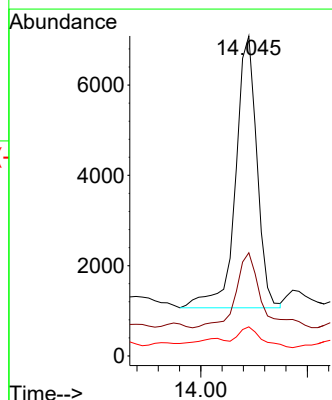
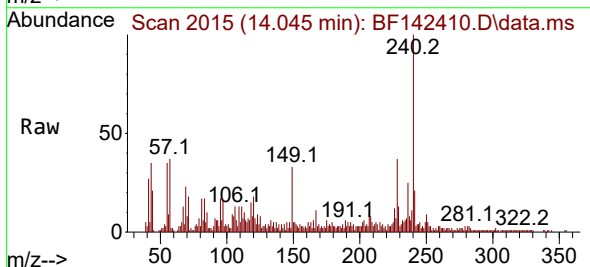
Instrument :
 BNA_F
 ClientSampleId :
 TP-A

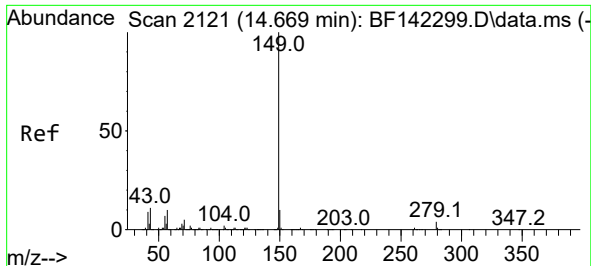
Tgt Ion:149 Resp: 333
 Ion Ratio Lower Upper
 149 100
 91 121.5 53.8 80.6#
 206 34.7 16.6 24.8#



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.931 ng
 RT: 14.045 min Scan# 2015
 Delta R.T. -0.006 min
 Lab File: BF142410.D
 Acq: 15 May 2025 23:59

Tgt Ion:149 Resp: 8413
 Ion Ratio Lower Upper
 149 100
 167 32.3 22.0 33.0
 279 9.1 3.0 4.6#

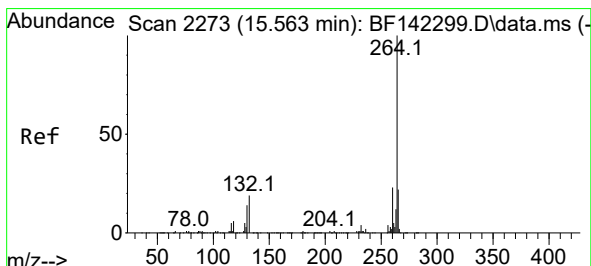
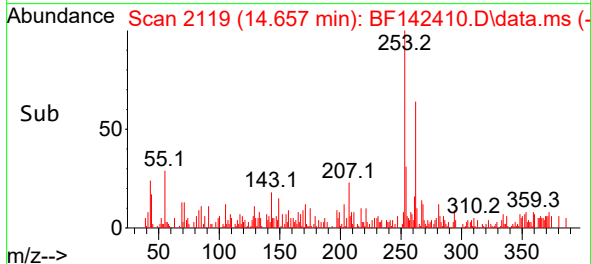
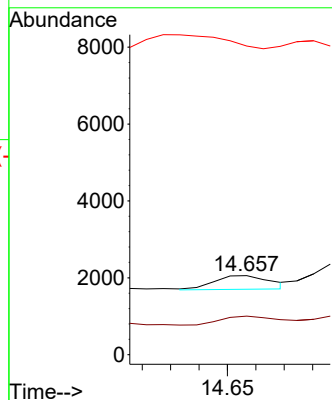
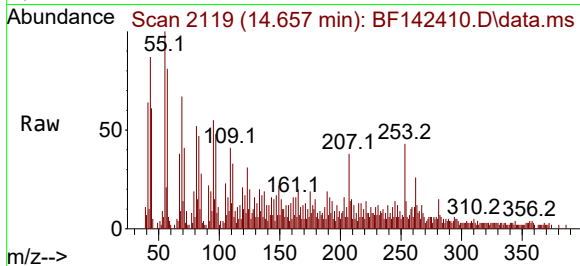




#85
Di-n-octyl phthalate
Concen: 7.860 ng
RT: 14.657 min Scan# 2119
Delta R.T. -0.012 min
Lab File: BF142410.D
Acq: 15 May 2025 23:59

Instrument :
BNA_F
ClientSampleId :
TP-A

Tgt Ion:149 Resp: 490
Ion Ratio Lower Upper
149 100
167 69.6 1.1 1.7#
43 0.0 9.2 13.8#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2272
Delta R.T. -0.006 min
Lab File: BF142410.D
Acq: 15 May 2025 23:59

Tgt Ion:264 Resp: 226682
Ion Ratio Lower Upper
264 100
260 23.7 18.6 27.8
265 21.5 17.5 26.3

