

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052125\
 Data File : BF142482.D
 Acq On : 21 May 2025 12:43
 Operator : RC/JU
 Sample : Q2074-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-20

Quant Time: May 21 13:16:09 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 20 16:26:47 2025
 Response via : Initial Calibration

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

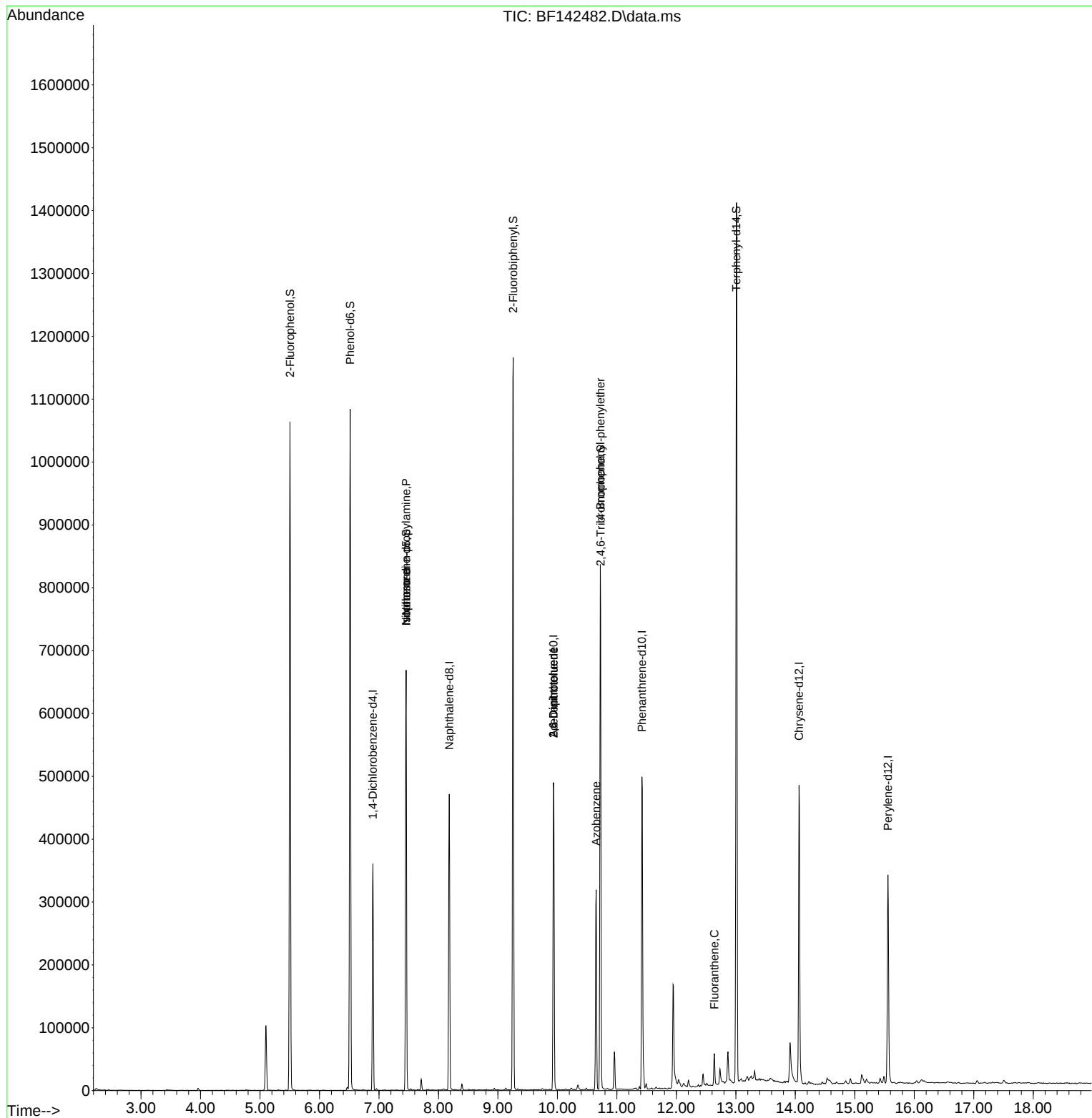
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	78241	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	292583	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	152289	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	263354	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	229725	20.000	ng	-0.01
86) Perylene-d12	15.557	264	197920	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	401727	86.503	ng	-0.01
7) Phenol-d6	6.516	99	490496	87.740	ng	-0.02
23) Nitrobenzene-d5	7.457	82	271981	50.689	ng	-0.02
42) 2,4,6-Tribromophenol	10.728	330	144980	85.776	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	528742	46.589	ng	-0.01
79) Terphenyl-d14	13.010	244	673227	40.048	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	36077	10.413	ng	# 77
25) Isophorone	7.457	82	257109	28.660	ng	# 63
51) 2,6-Dinitrotoluene	9.933	165	19447	8.967	ng	# 28
57) 2,4-Dinitrotoluene	9.933	165	19447	6.866	ng	# 28
63) Azobenzene	10.651	77	76079	8.631	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	9230	2.964	ng	# 1
75) Fluoranthene	12.639	202	29099	2.213	ng	98

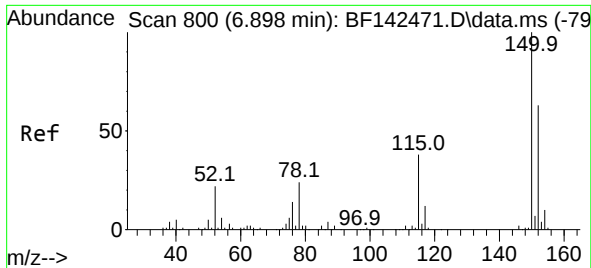
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052125\
Data File : BF142482.D
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Sample : Q2074-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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Quant Time: May 21 13:16:09 2025
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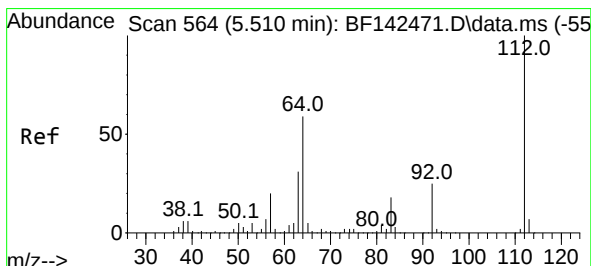
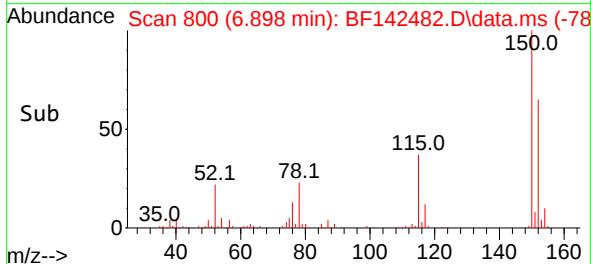
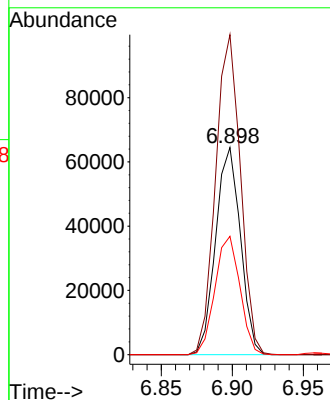
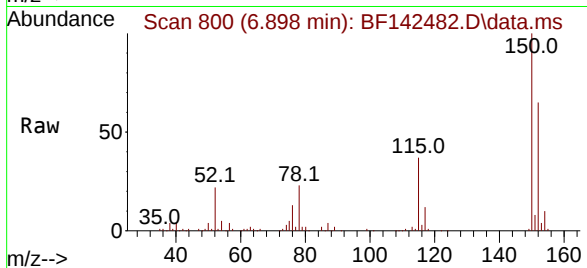




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF142482.D
Acq: 21 May 2025 12:43

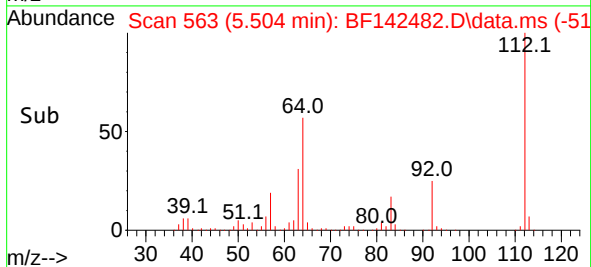
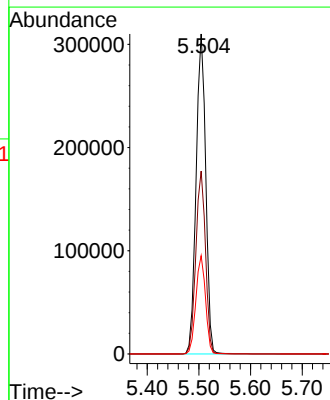
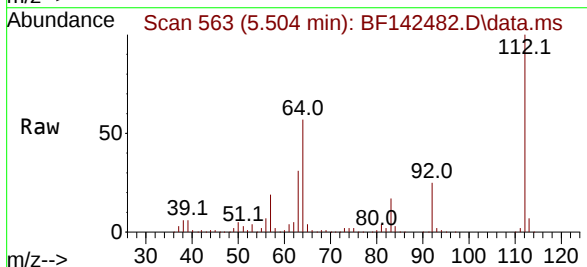
Instrument :
BNA_F
ClientSampleId :
TP-20

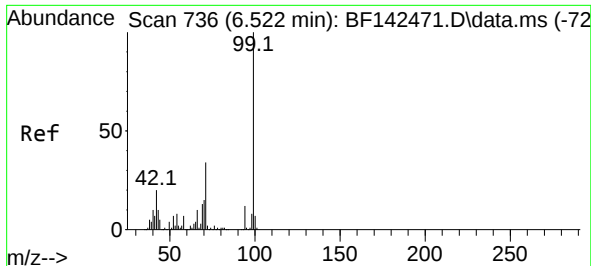
Tgt Ion:152 Resp: 78241
Ion Ratio Lower Upper
152 100
150 154.4 128.2 192.4
115 57.1 48.3 72.5



#5
2-Fluorophenol
Concen: 86.503 ng
RT: 5.504 min Scan# 563
Delta R.T. -0.012 min
Lab File: BF142482.D
Acq: 21 May 2025 12:43

Tgt Ion:112 Resp: 401727
Ion Ratio Lower Upper
112 100
64 57.1 47.5 71.3
63 30.7 24.9 37.3

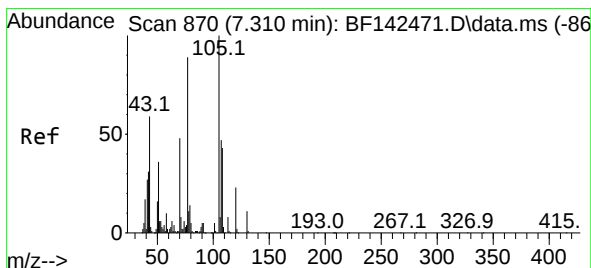
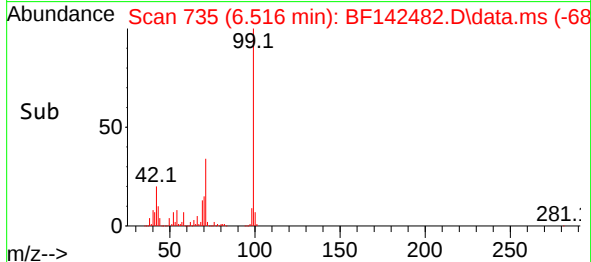
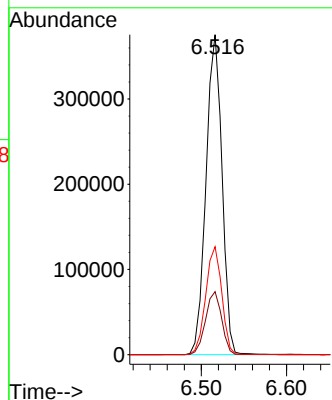
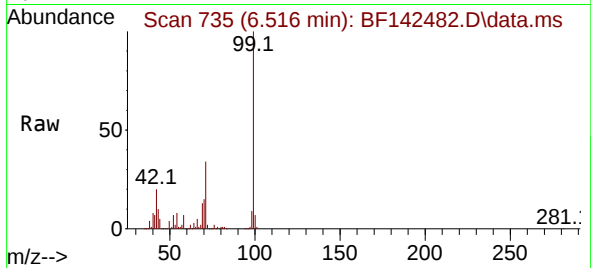




#7
Phenol-d6
Concen: 87.740 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF142482.D
Acq: 21 May 2025 12:43

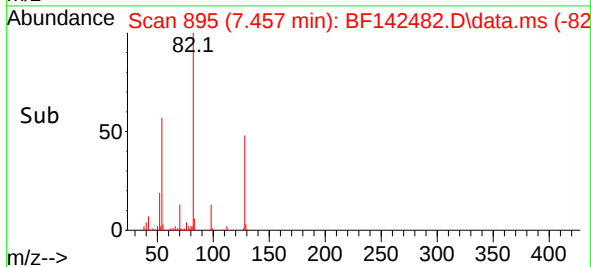
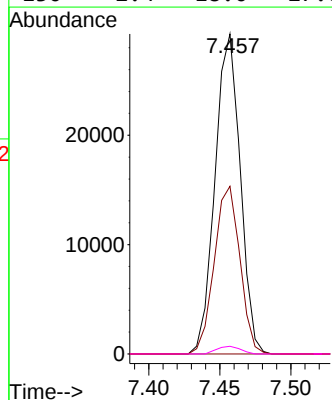
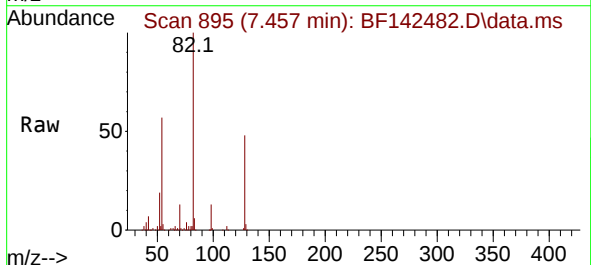
Instrument :
BNA_F
ClientSampleId :
TP-20

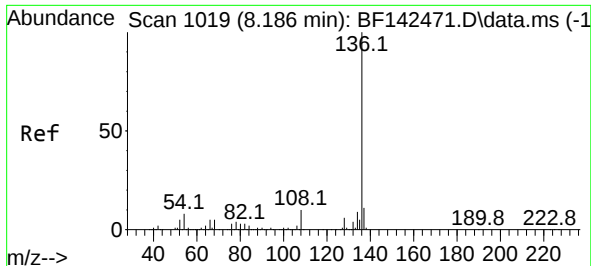
Tgt Ion: 99 Resp: 490496
Ion Ratio Lower Upper
99 100
42 19.7 16.2 24.2
71 33.8 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 10.413 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.130 min
Lab File: BF142482.D
Acq: 21 May 2025 12:43

Tgt Ion: 70 Resp: 36077
Ion Ratio Lower Upper
70 100
42 52.4 52.4 78.6
101 0.0 7.8 11.8#
130 2.4 18.0 27.0#

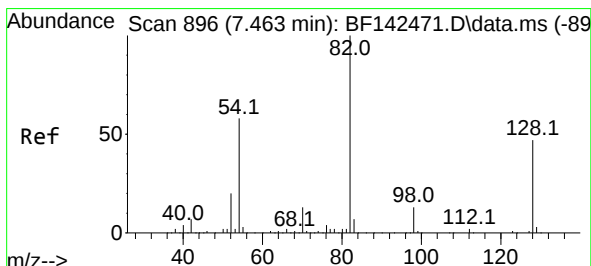
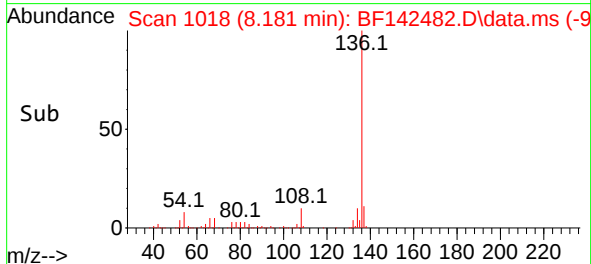
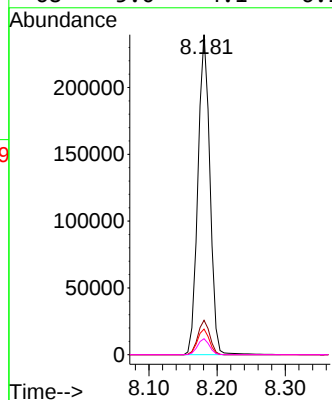
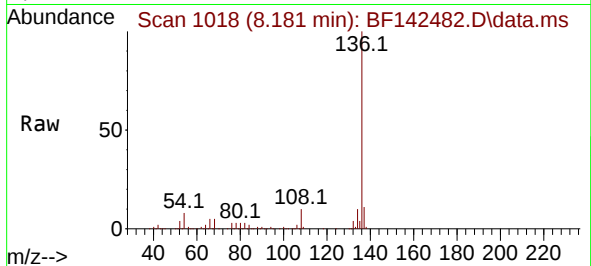




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142482.D
Acq: 21 May 2025 12:43

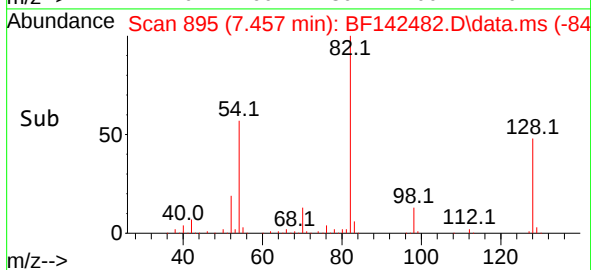
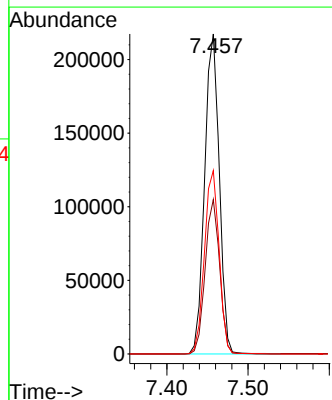
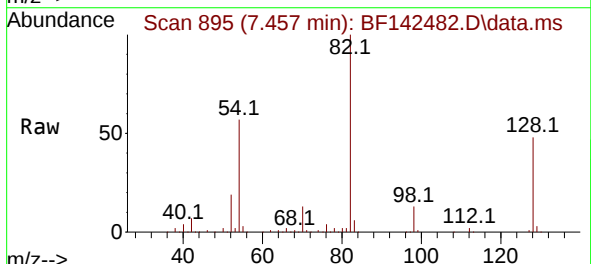
Instrument :
BNA_F
ClientSampleId :
TP-20

Tgt Ion:136 Resp: 292583
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.0 6.6 10.0
68 5.0 4.1 6.1



#23
Nitrobenzene-d5
Concen: 50.689 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.017 min
Lab File: BF142482.D
Acq: 21 May 2025 12:43

Tgt Ion: 82 Resp: 271981
Ion Ratio Lower Upper
82 100
128 48.3 37.4 56.2
54 57.3 46.6 70.0

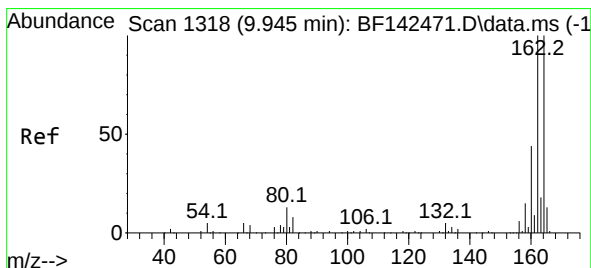
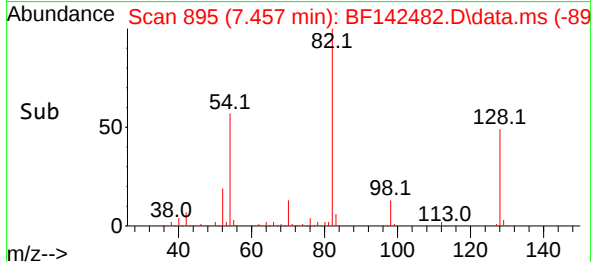
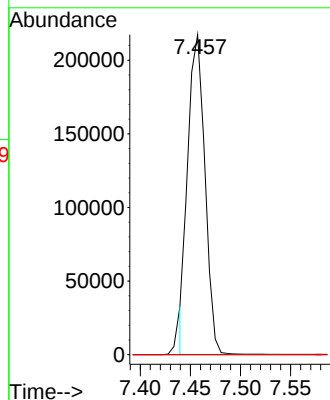
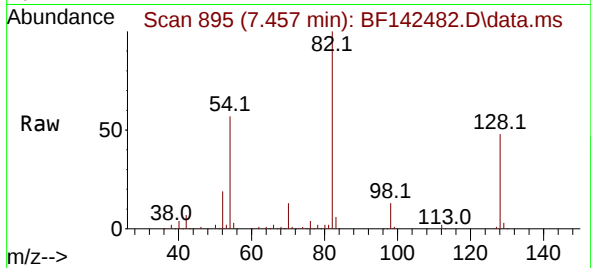




#25
Isophorone
Concen: 28.660 ng
RT: 7.457 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF142482.D
Acq: 21 May 2025 12:43

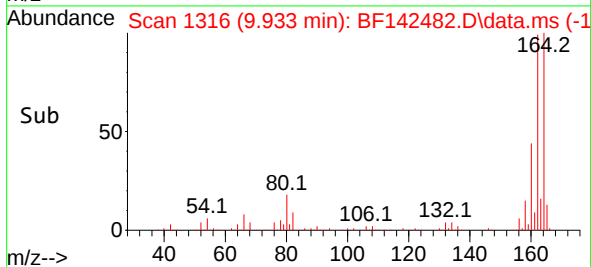
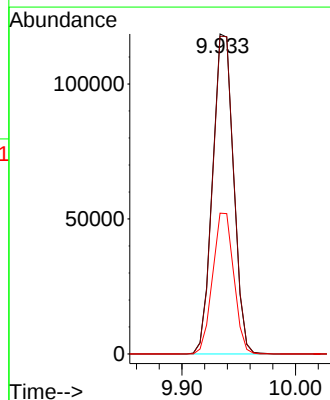
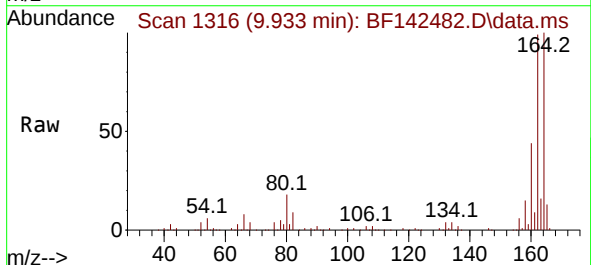
Instrument :
BNA_F
ClientSampleId :
TP-20

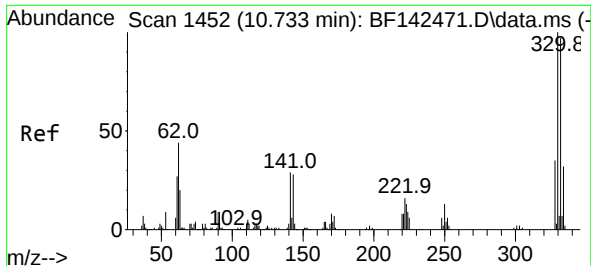
Tgt Ion: 82 Resp: 257109
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142482.D
Acq: 21 May 2025 12:43

Tgt Ion:164 Resp: 152289
Ion Ratio Lower Upper
164 100
162 99.3 80.2 120.4
160 44.0 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 85.776 ng

RT: 10.728 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF142482.D

Acq: 21 May 2025 12:43

Instrument :

BNA_F

ClientSampleId :

TP-20

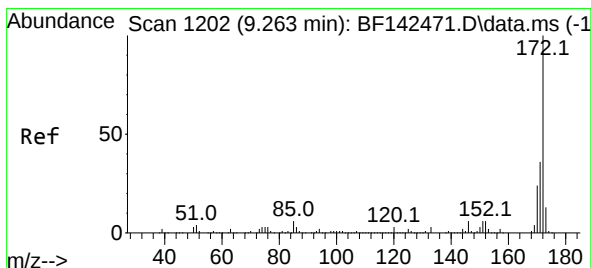
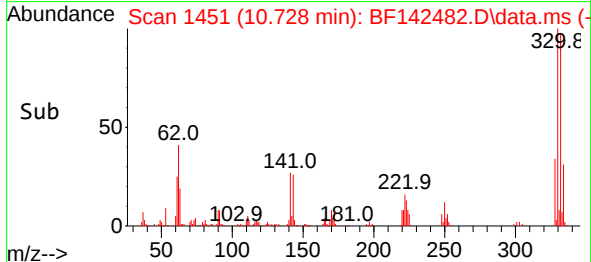
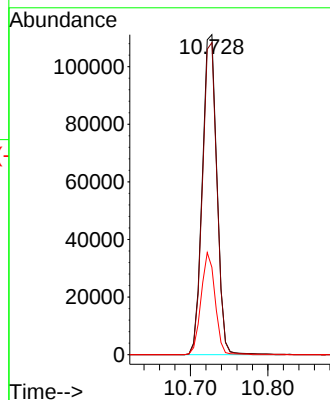
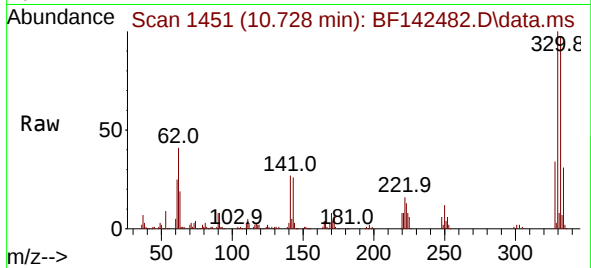
Tgt Ion:330 Resp: 144980

Ion Ratio Lower Upper

330 100

332 97.1 77.6 116.4

141 30.6 24.6 36.8



#45

2-Fluorobiphenyl

Concen: 46.589 ng

RT: 9.257 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF142482.D

Acq: 21 May 2025 12:43

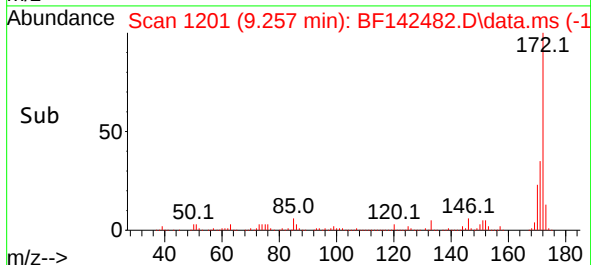
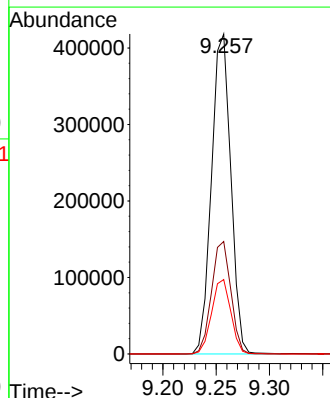
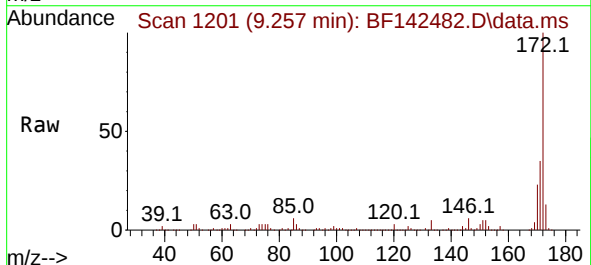
Tgt Ion:172 Resp: 528742

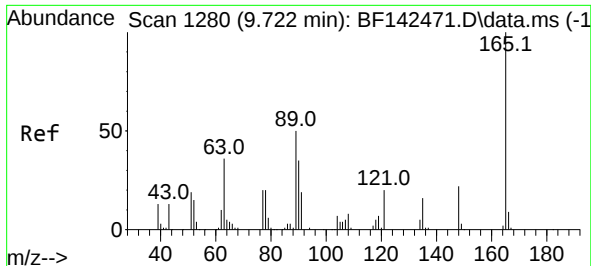
Ion Ratio Lower Upper

172 100

171 35.1 28.6 42.8

170 23.2 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 8.967 ng

RT: 9.933 min Scan# 1316

Delta R.T. 0.206 min

Lab File: BF142482.D

Acq: 21 May 2025 12:43

Instrument :

BNA_F

ClientSampleId :

TP-20

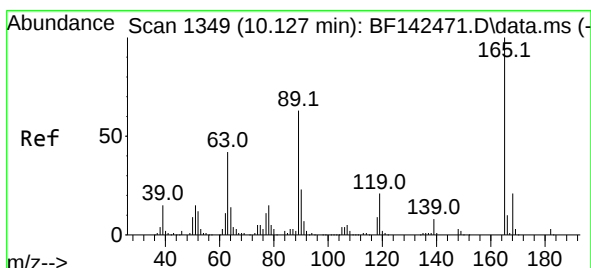
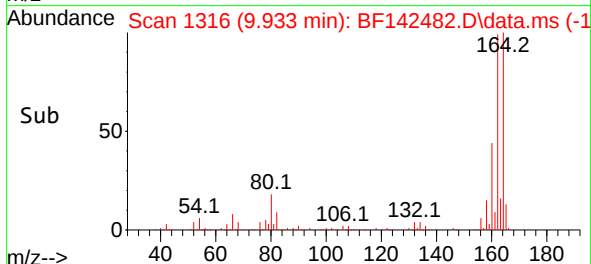
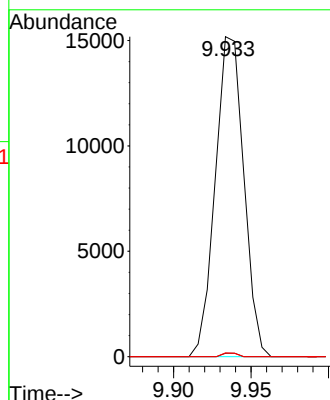
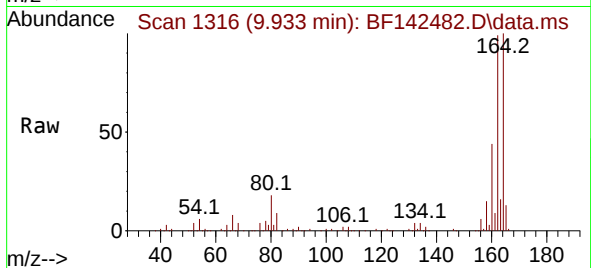
Tgt Ion:165 Resp: 19447

Ion Ratio Lower Upper

165 100

63 1.1 42.9 64.3#

89 1.2 40.2 60.4#



#57

2,4-Dinitrotoluene

Concen: 6.866 ng

RT: 9.933 min Scan# 1316

Delta R.T. -0.200 min

Lab File: BF142482.D

Acq: 21 May 2025 12:43

Tgt Ion:165 Resp: 19447

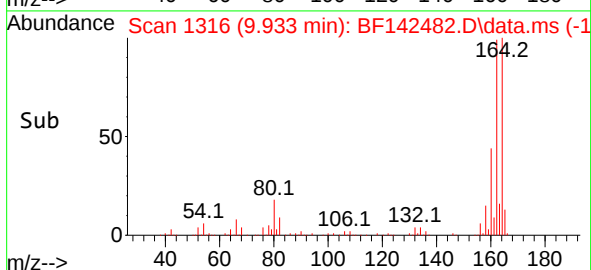
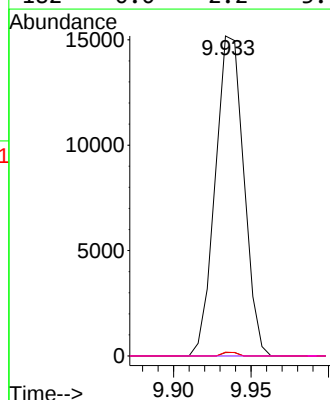
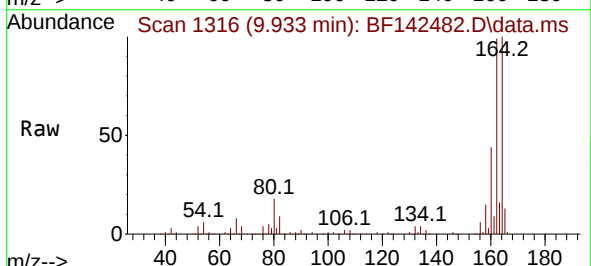
Ion Ratio Lower Upper

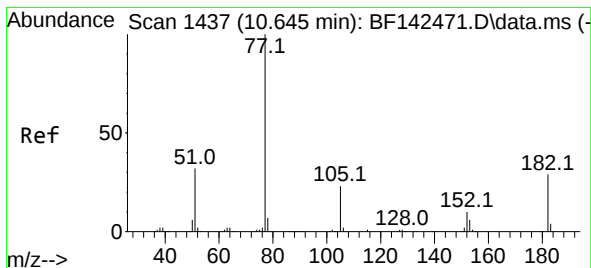
165 100

63 1.1 33.6 50.4#

89 1.2 50.2 75.4#

182 0.0 2.2 3.4#





#63

Azobenzene

Concen: 8.631 ng

RT: 10.651 min Scan# 1438

Delta R.T. 0.006 min

Lab File: BF142482.D

Acq: 21 May 2025 12:43

Instrument :

BNA_F

ClientSampleId :

TP-20

Tgt Ion: 77 Resp: 76079

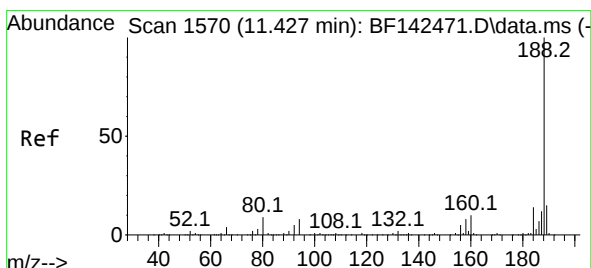
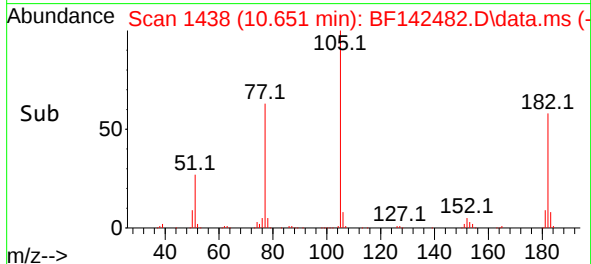
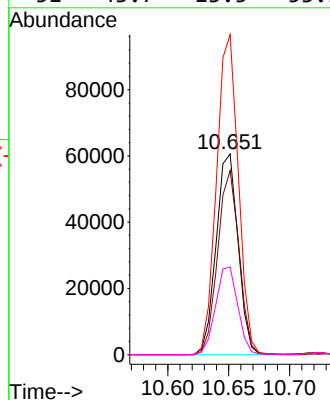
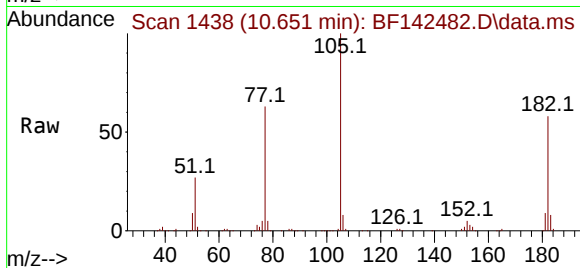
Ion Ratio Lower Upper

77 100

182 91.8 9.0 49.0#

105 159.4 2.4 42.4#

51 43.7 13.5 53.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1569

Delta R.T. -0.012 min

Lab File: BF142482.D

Acq: 21 May 2025 12:43

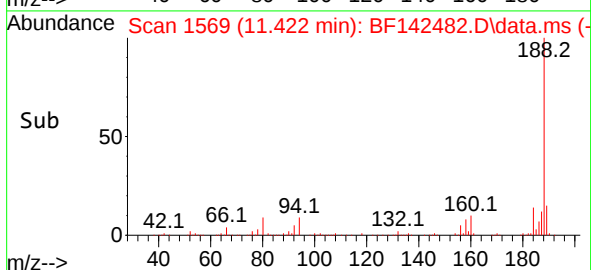
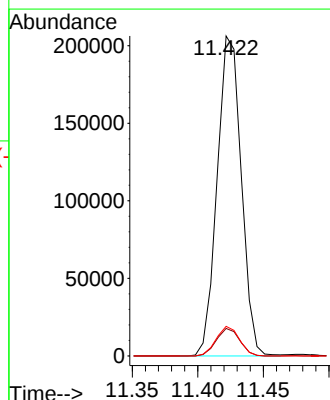
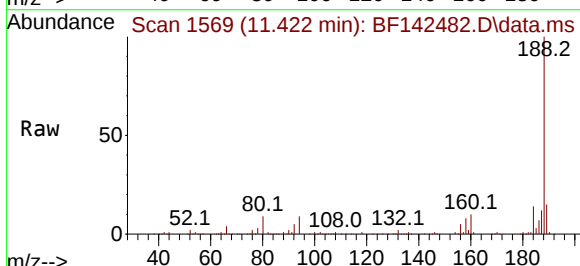
Tgt Ion:188 Resp: 263354

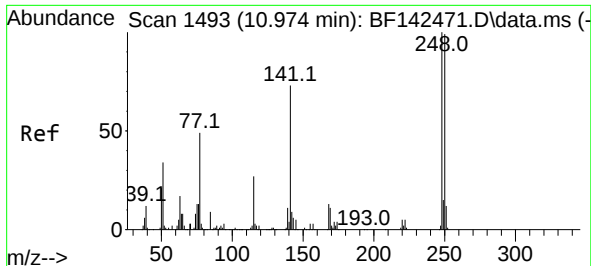
Ion Ratio Lower Upper

188 100

94 8.6 6.6 10.0

80 9.3 7.4 11.0

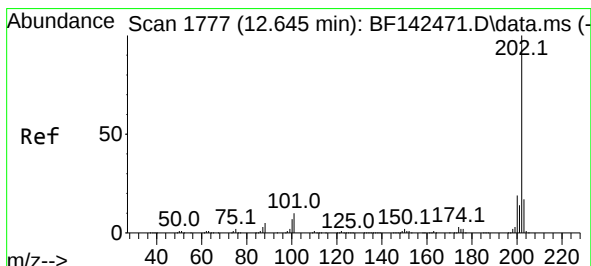
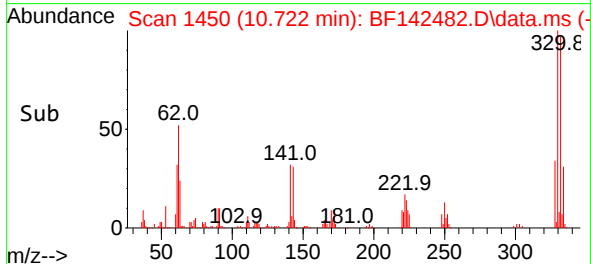
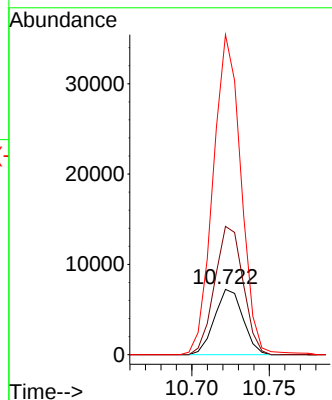
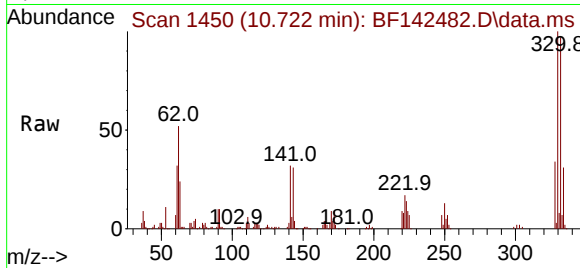




#67
4-Bromophenyl-phenylether
Concen: 2.964 ng
RT: 10.722 min Scan# 1493
Delta R.T. -0.253 min
Lab File: BF142482.D
Acq: 21 May 2025 12:43

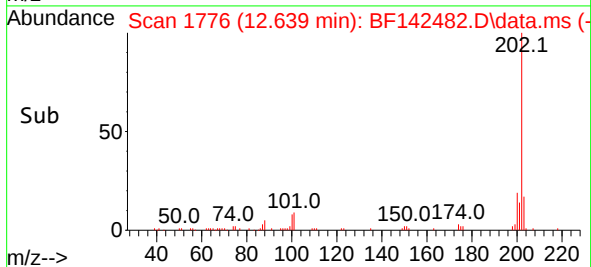
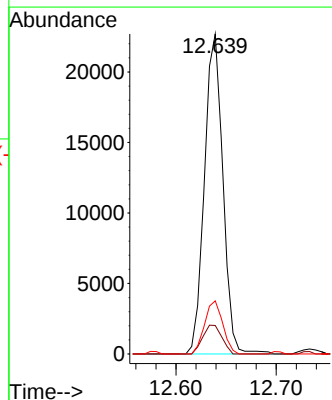
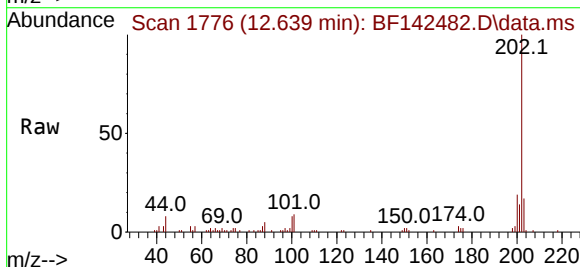
Instrument :
BNA_F
ClientSampleId :
TP-20

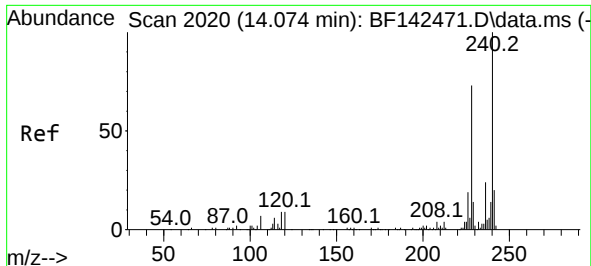
Tgt Ion:248 Resp: 9230
Ion Ratio Lower Upper
248 100
250 196.4 79.0 118.4#
141 489.8 58.4 87.6#



#75
Fluoranthene
Concen: 2.213 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF142482.D
Acq: 21 May 2025 12:43

Tgt Ion:202 Resp: 29099
Ion Ratio Lower Upper
202 100
101 8.9 0.0 29.6
203 16.6 0.0 37.2

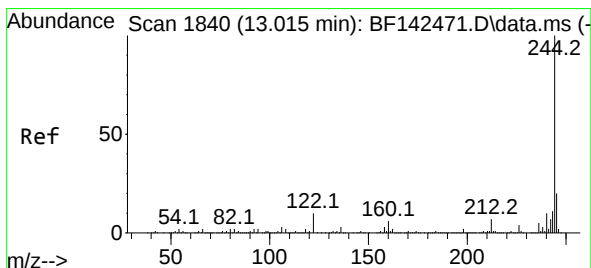
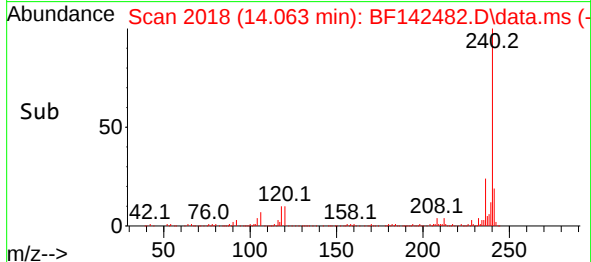
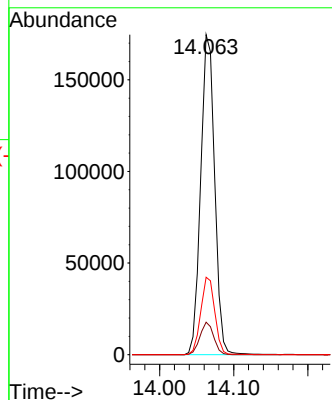
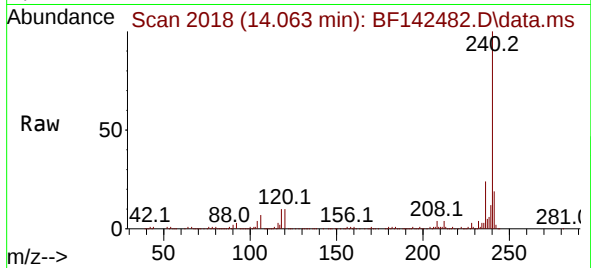




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF142482.D
Acq: 21 May 2025 12:43

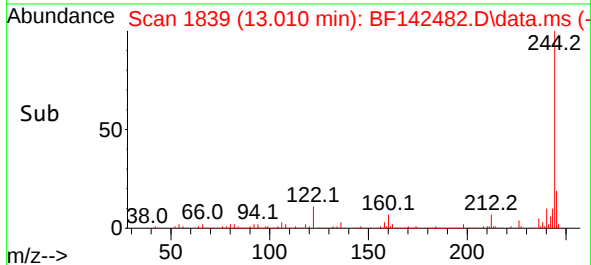
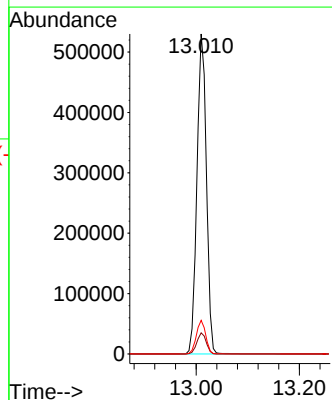
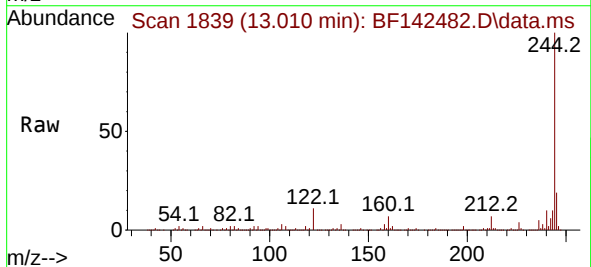
Instrument :
BNA_F
ClientSampleId :
TP-20

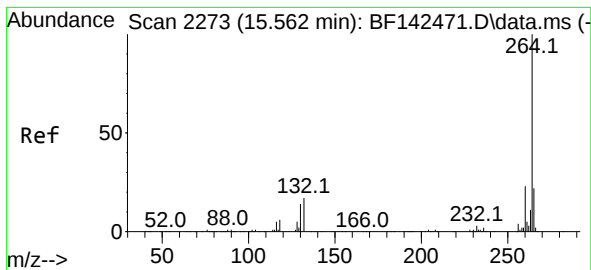
Tgt Ion:240 Resp: 229725
Ion Ratio Lower Upper
240 100
120 10.1 7.5 11.3
236 24.2 19.6 29.4



#79
Terphenyl-d14
Concen: 40.048 ng
RT: 13.010 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF142482.D
Acq: 21 May 2025 12:43

Tgt Ion:244 Resp: 673227
Ion Ratio Lower Upper
244 100
212 6.6 5.3 7.9
122 10.5 8.2 12.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF142482.D

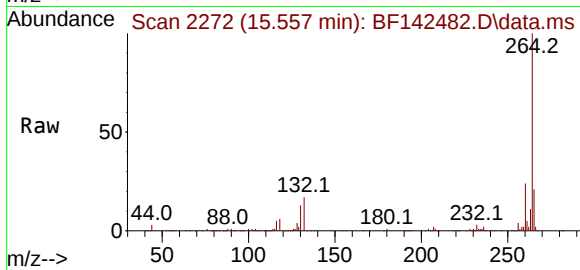
Acq: 21 May 2025 12:43

Instrument :

BNA_F

ClientSampleId :

TP-20



Tgt Ion:264 Resp: 197920

Ion Ratio Lower Upper

264 100

260 23.6 18.6 28.0

265 21.4 17.7 26.5

