

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052125\
 Data File : BF142483.D
 Acq On : 21 May 2025 13:11
 Operator : RC/JU
 Sample : Q2074-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-38

Quant Time: May 21 14:03:14 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)

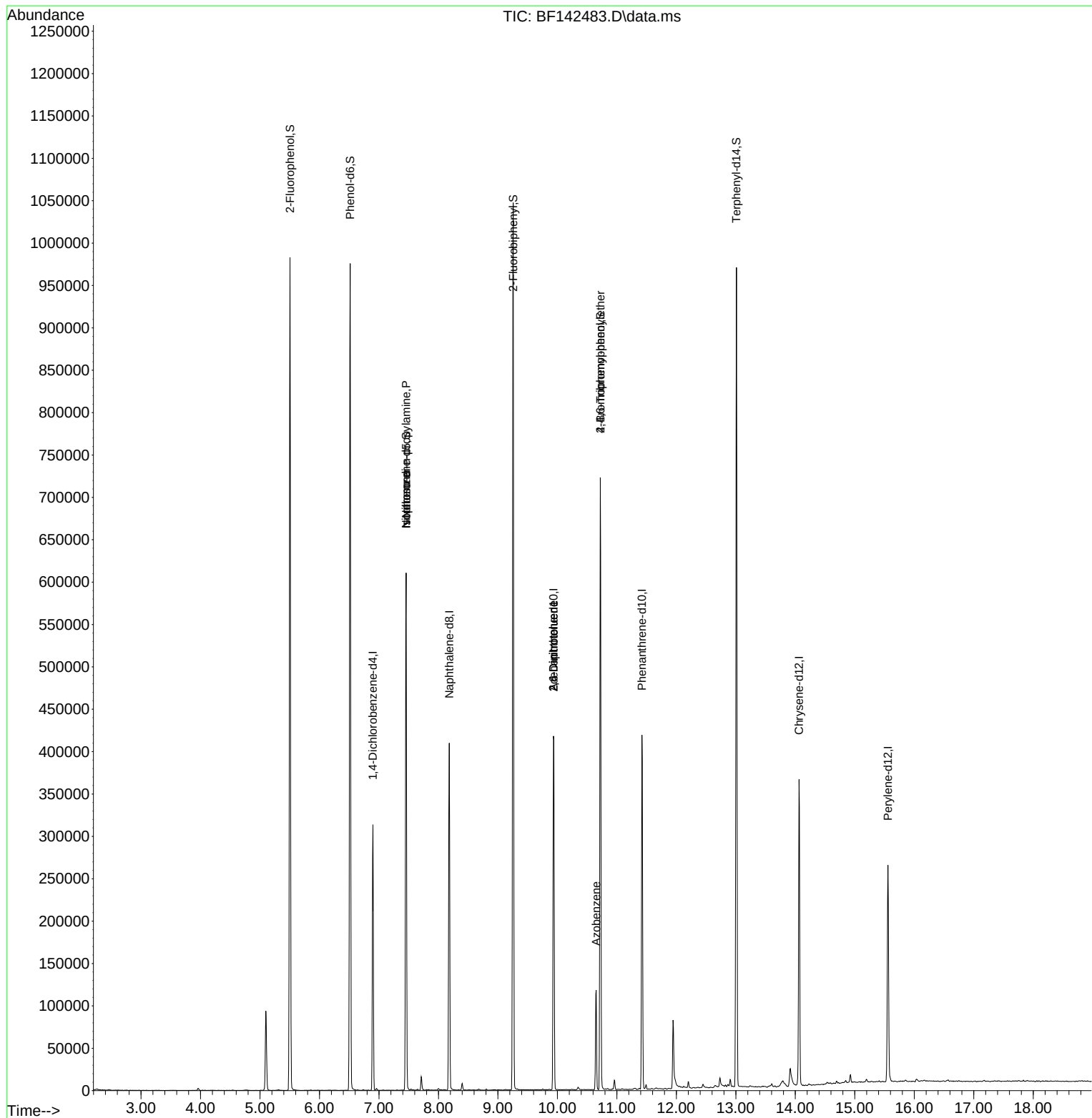
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	68056	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	253884	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	131199	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	222108	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	180491	20.000	ng	-0.01
86) Perylene-d12	15.557	264	152122	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	364442	90.219	ng	-0.01
7) Phenol-d6	6.516	99	440164	90.520	ng	-0.02
23) Nitrobenzene-d5	7.457	82	251086	53.928	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	122575	84.178	ng	-0.02
45) 2-Fluorobiphenyl	9.257	172	477981	48.886	ng	-0.01
79) Terphenyl-d14	13.010	244	465119	35.215	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	33553	11.134	ng	# 77
25) Isophorone	7.457	82	236349	30.362	ng	# 63
51) 2,6-Dinitrotoluene	9.933	165	16155	8.646	ng	# 26
57) 2,4-Dinitrotoluene	9.933	165	16155	6.621	ng	# 27
63) Azobenzene	10.651	77	29049	3.825	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	8038	3.061	ng	# 1

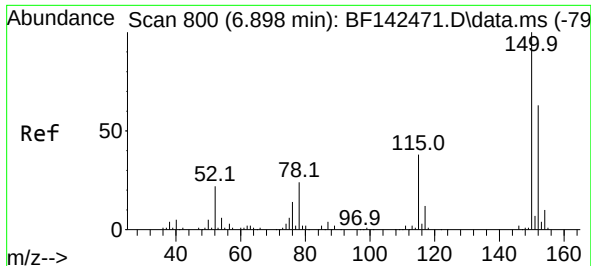
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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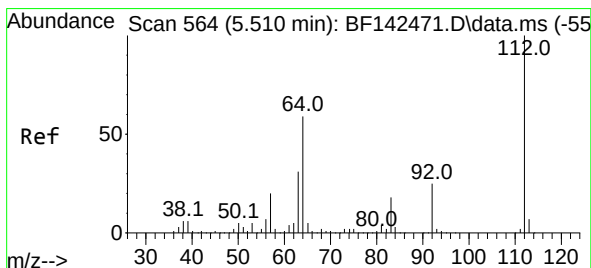
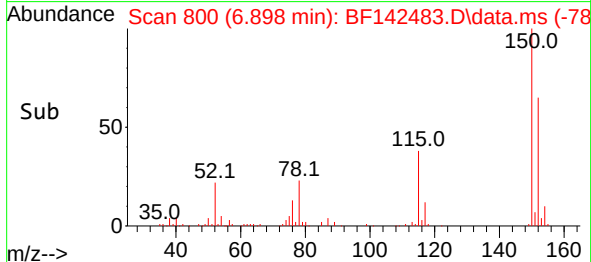
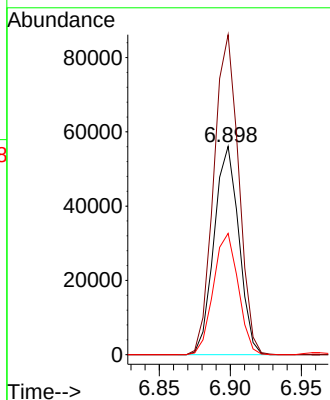
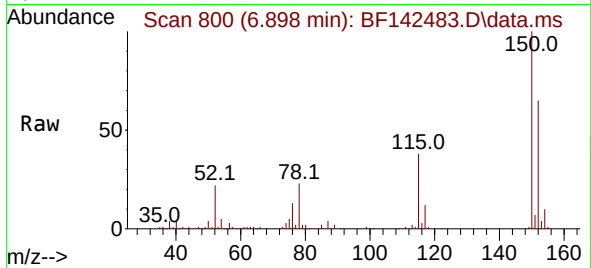




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF142483.D
Acq: 21 May 2025 13:11

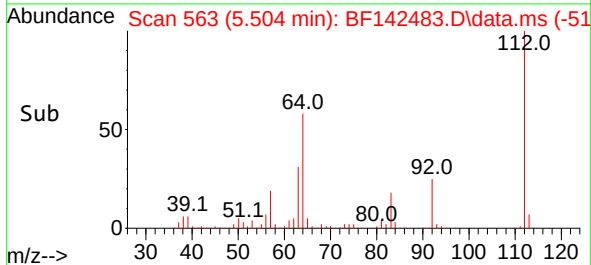
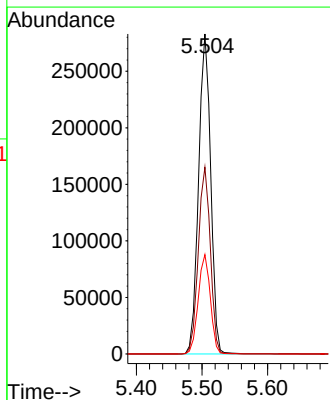
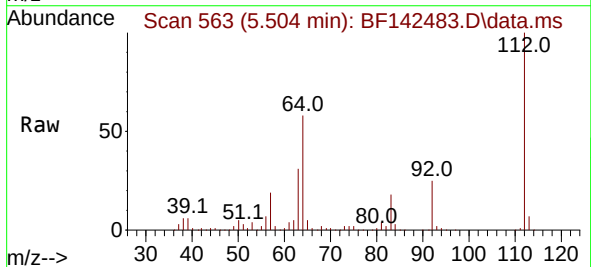
Instrument :
BNA_F
ClientSampleId :
TP-38

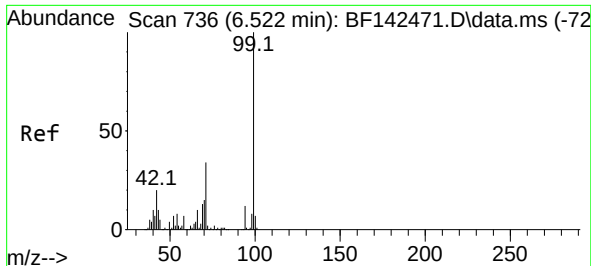
Tgt Ion:152 Resp: 68056
Ion Ratio Lower Upper
152 100
150 153.7 128.2 192.4
115 58.2 48.3 72.5



#5
2-Fluorophenol
Concen: 90.219 ng
RT: 5.504 min Scan# 563
Delta R.T. -0.012 min
Lab File: BF142483.D
Acq: 21 May 2025 13:11

Tgt Ion:112 Resp: 364442
Ion Ratio Lower Upper
112 100
64 58.4 47.5 71.3
63 31.0 24.9 37.3





#7
Phenol-d6
Concen: 90.520 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF142483.D
Acq: 21 May 2025 13:11

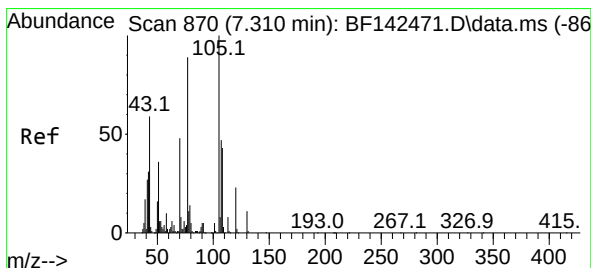
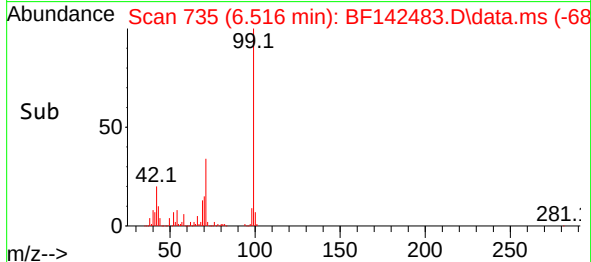
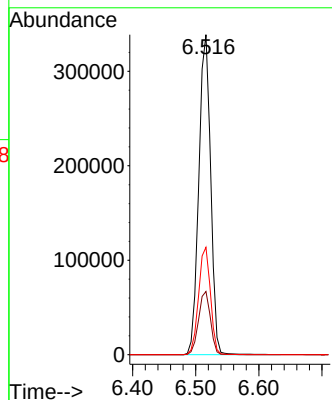
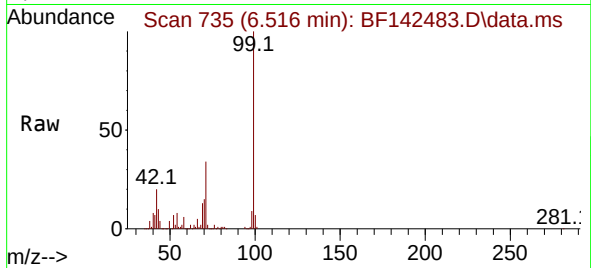
Instrument :

BNA_F

ClientSampleId :

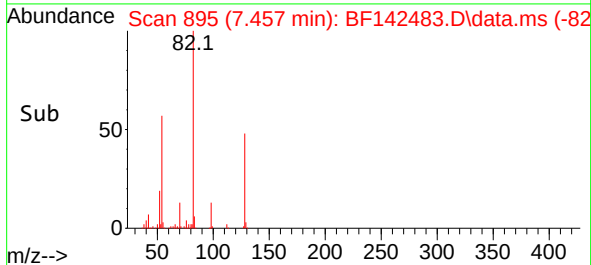
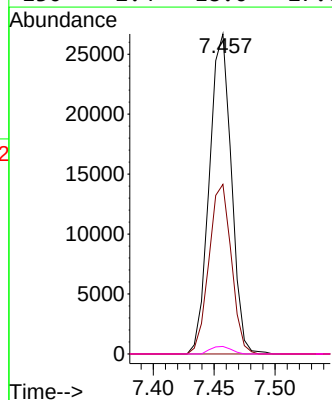
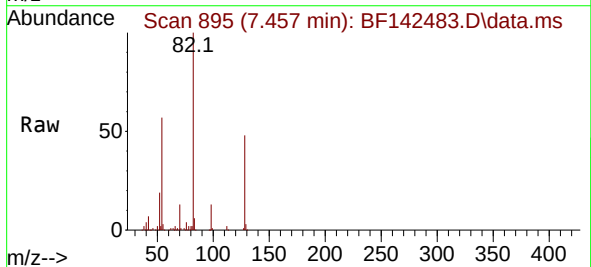
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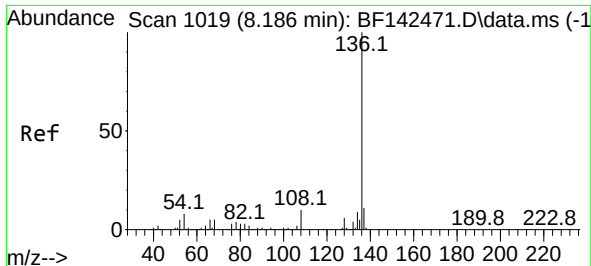
Tgt Ion: 99 Resp: 440164
Ion Ratio Lower Upper
99 100
42 19.7 16.2 24.2
71 33.6 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 11.134 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.130 min
Lab File: BF142483.D
Acq: 21 May 2025 13:11

Tgt Ion: 70 Resp: 33553
Ion Ratio Lower Upper
70 100
42 53.0 52.4 78.6
101 0.0 7.8 11.8#
130 2.4 18.0 27.0#

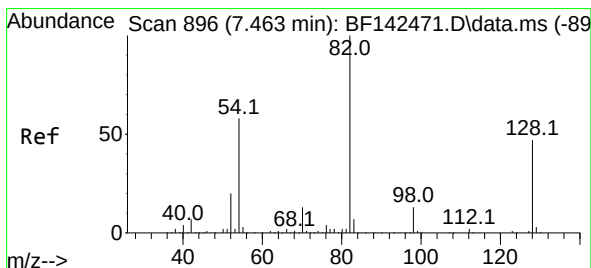
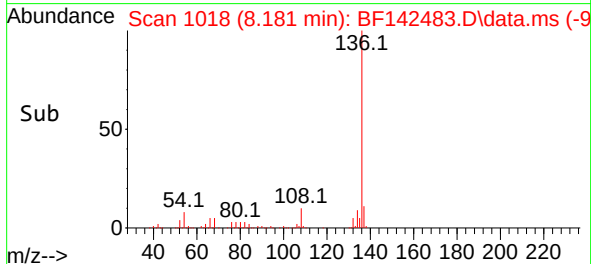
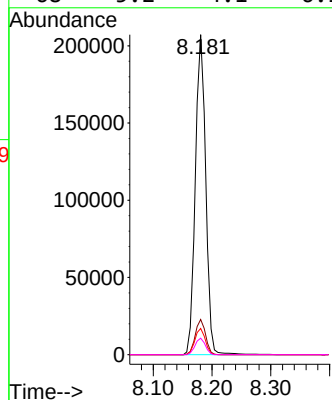
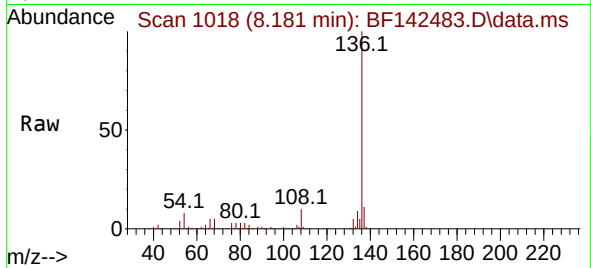




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142483.D
Acq: 21 May 2025 13:11

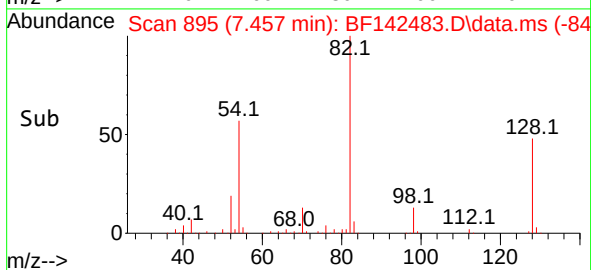
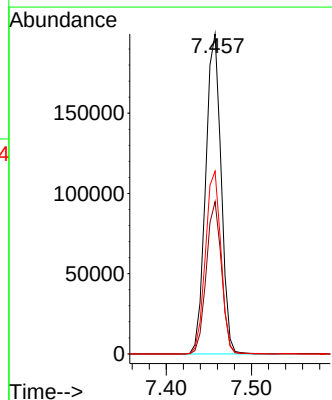
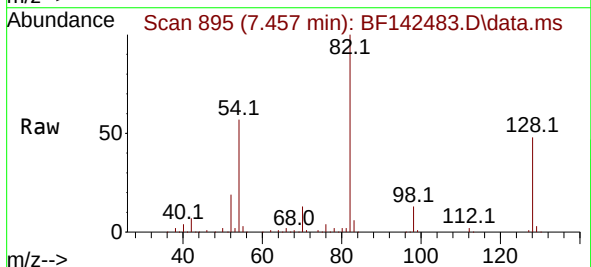
Instrument :
BNA_F
ClientSampleId :
TP-38

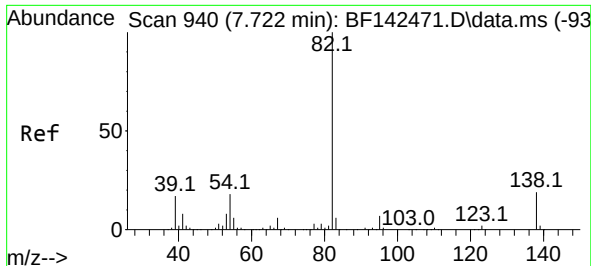
Tgt Ion:136 Resp: 253884
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.2 6.6 10.0
68 5.2 4.1 6.1



#23
Nitrobenzene-d5
Concen: 53.928 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.017 min
Lab File: BF142483.D
Acq: 21 May 2025 13:11

Tgt Ion: 82 Resp: 251086
Ion Ratio Lower Upper
82 100
128 47.6 37.4 56.2
54 57.1 46.6 70.0

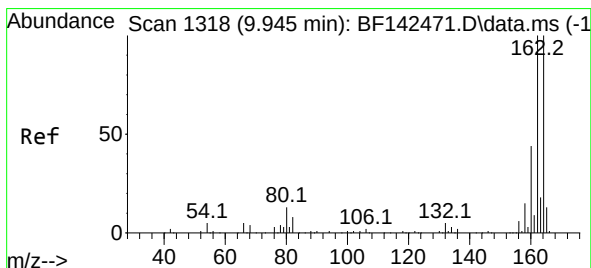
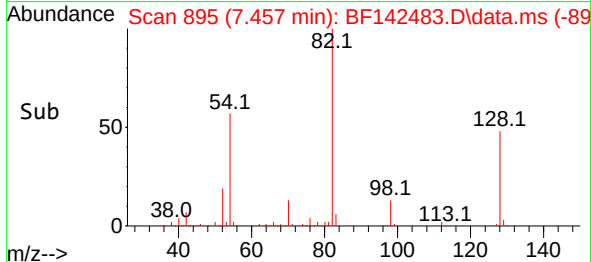
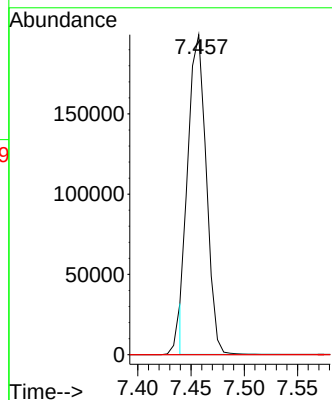
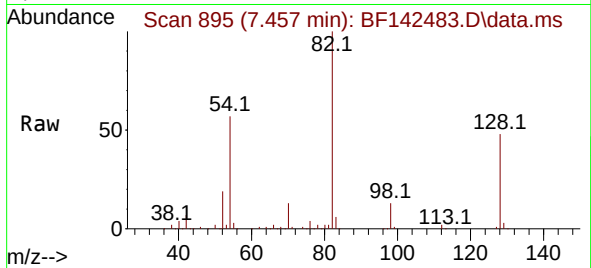




#25
Isophorone
Concen: 30.362 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.276 min
Lab File: BF142483.D
Acq: 21 May 2025 13:11

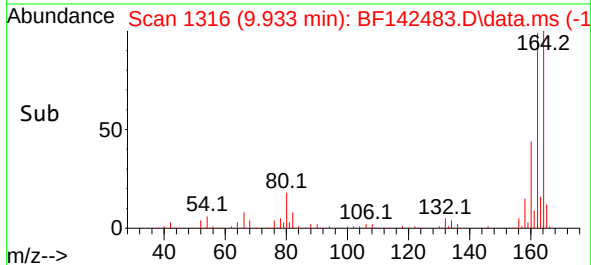
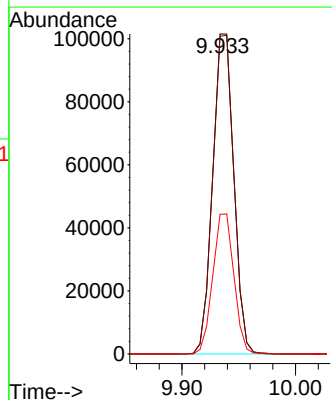
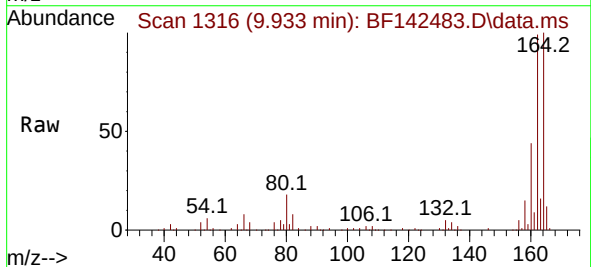
Instrument :
BNA_F
ClientSampleId :
TP-38

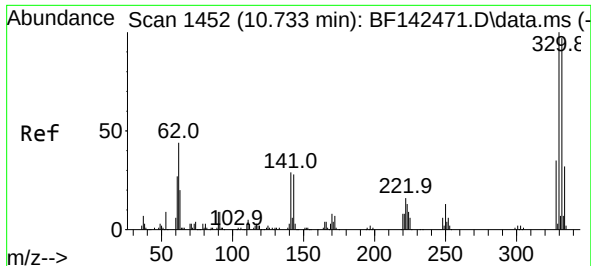
Tgt Ion: 82 Resp: 236349
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142483.D
Acq: 21 May 2025 13:11

Tgt Ion:164 Resp: 131199
Ion Ratio Lower Upper
164 100
162 99.3 80.2 120.4
160 43.6 35.6 53.4

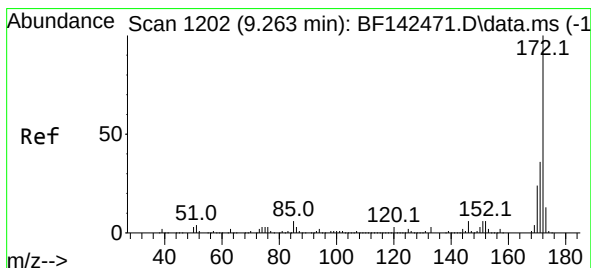
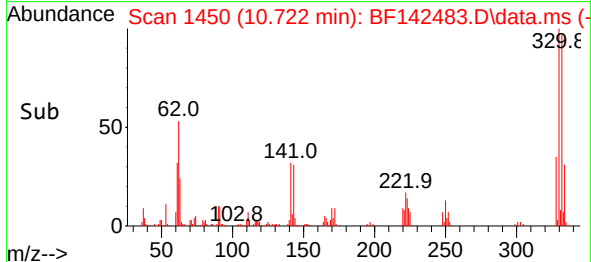
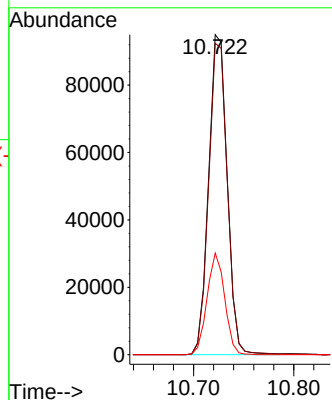
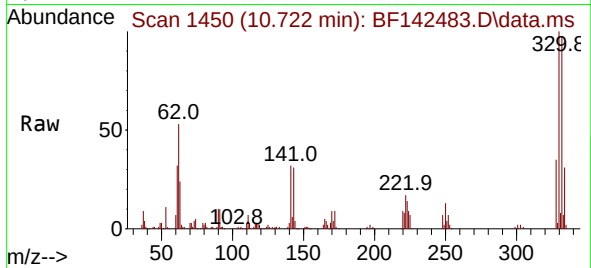




#42
2,4,6-Tribromophenol
Concen: 84.178 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.017 min
Lab File: BF142483.D
Acq: 21 May 2025 13:11

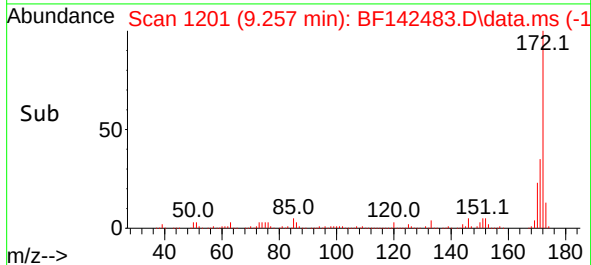
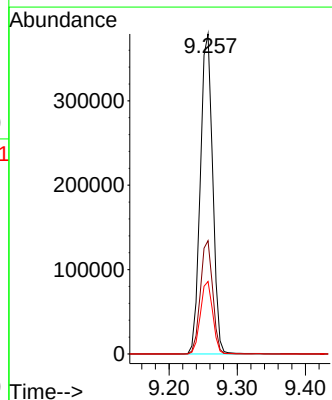
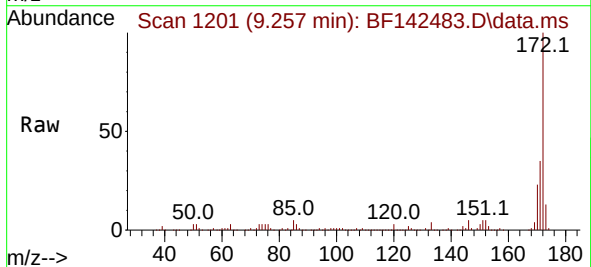
Instrument :
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ClientSampleId :
TP-38

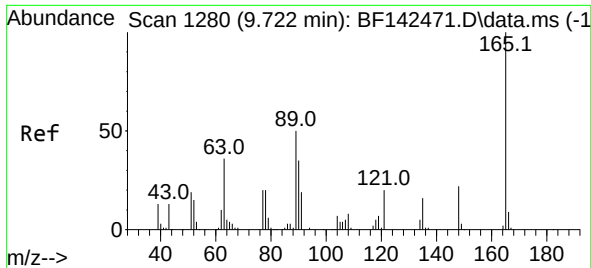
Tgt Ion: 330 Resp: 122575
Ion Ratio Lower Upper
330 100
332 97.8 77.6 116.4
141 30.0 24.6 36.8



#45
2-Fluorobiphenyl
Concen: 48.886 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF142483.D
Acq: 21 May 2025 13:11

Tgt Ion: 172 Resp: 477981
Ion Ratio Lower Upper
172 100
171 35.4 28.6 42.8
170 22.7 18.9 28.3

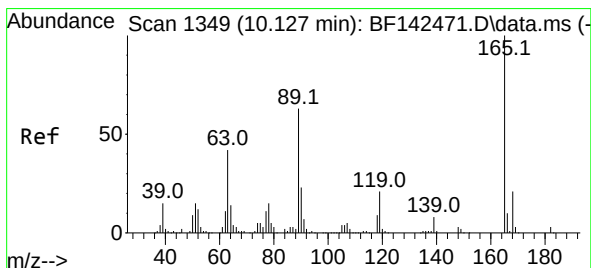
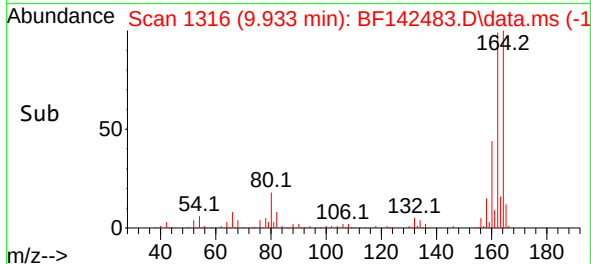
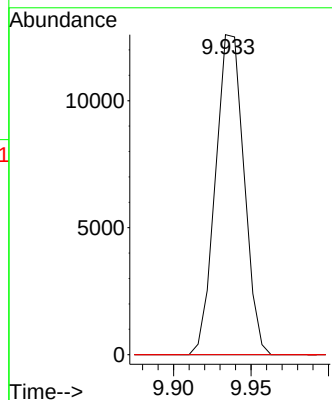
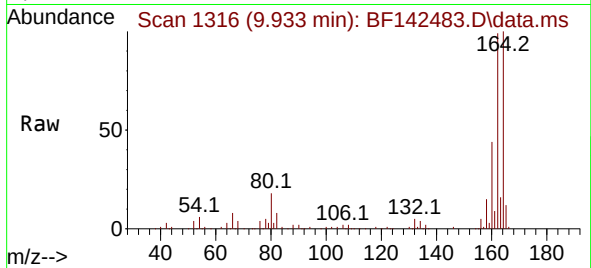




#51
2,6-Dinitrotoluene
Concen: 8.646 ng
RT: 9.933 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142483.D
Acq: 21 May 2025 13:11

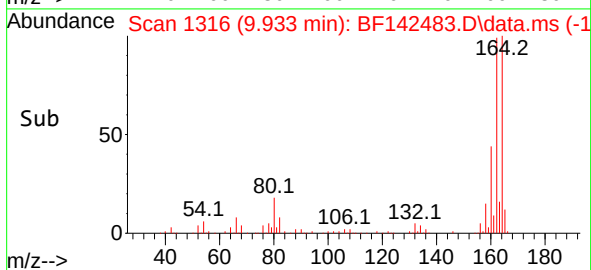
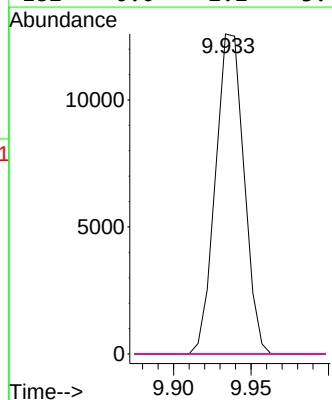
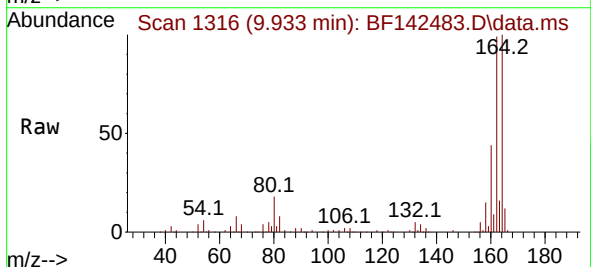
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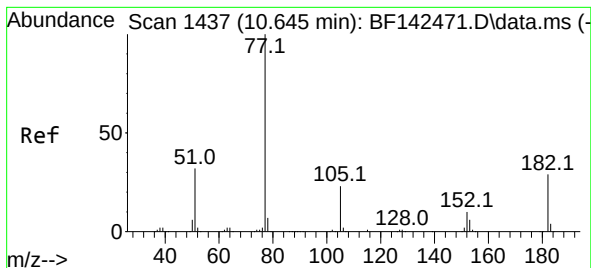
Tgt Ion:165 Resp: 16155
Ion Ratio Lower Upper
165 100
63 0.0 42.9 64.3#
89 0.0 40.2 60.4#



#57
2,4-Dinitrotoluene
Concen: 6.621 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.200 min
Lab File: BF142483.D
Acq: 21 May 2025 13:11

Tgt Ion:165 Resp: 16155
Ion Ratio Lower Upper
165 100
63 0.0 33.6 50.4#
89 0.0 50.2 75.4#
182 0.0 2.2 3.4#





#63

Azobenzene

Concen: 3.825 ng

RT: 10.651 min Scan# 1438

Delta R.T. 0.006 min

Lab File: BF142483.D

Acq: 21 May 2025 13:11

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion: 77 Resp: 29049

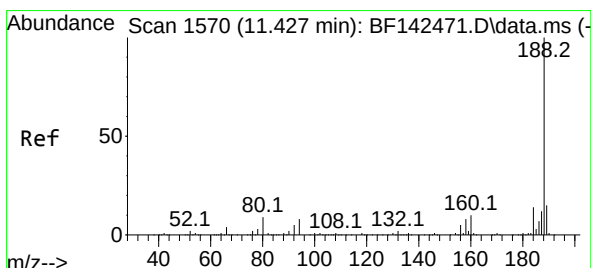
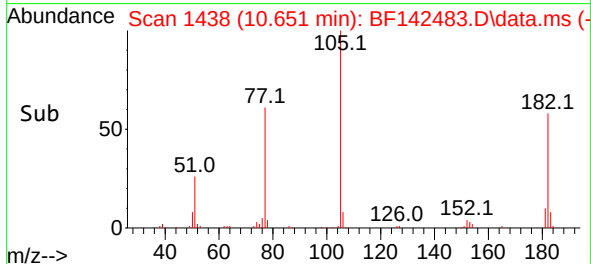
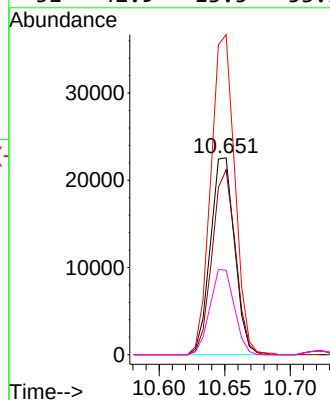
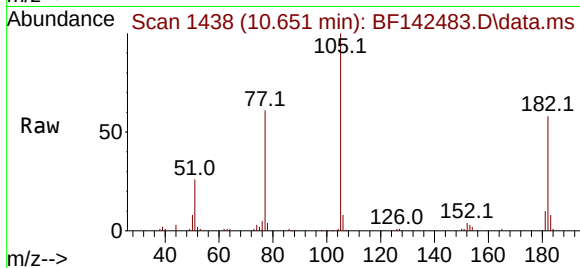
Ion Ratio Lower Upper

77 100

182 93.9 9.0 49.0#

105 162.6 2.4 42.4#

51 42.9 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: BF142483.D

Acq: 21 May 2025 13:11

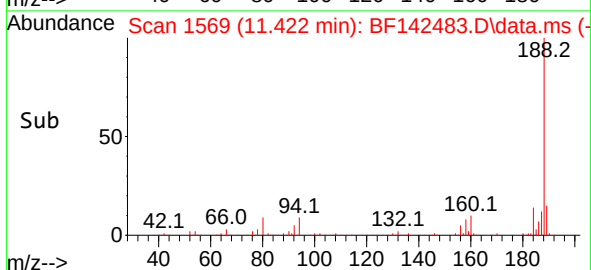
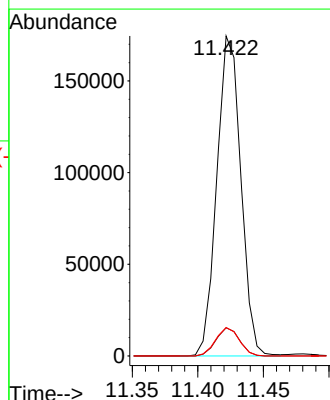
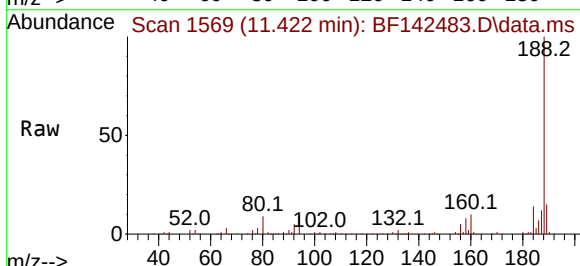
Tgt Ion:188 Resp: 222108

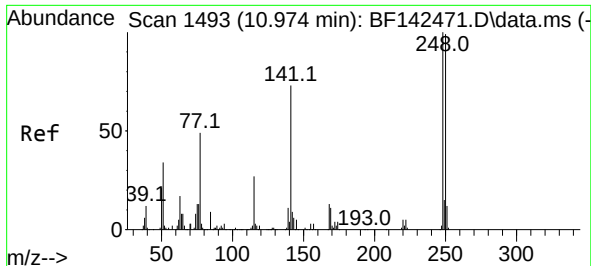
Ion Ratio Lower Upper

188 100

94 8.8 6.6 10.0

80 8.9 7.4 11.0

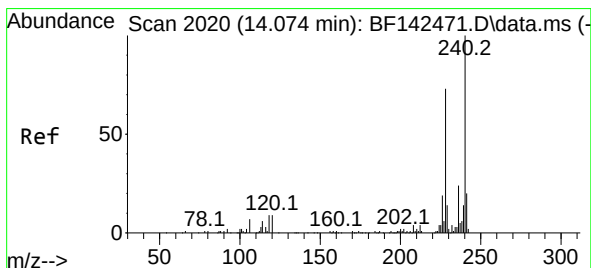
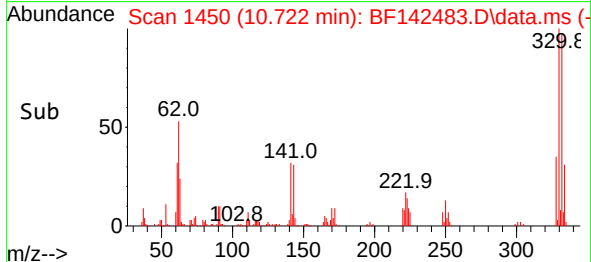
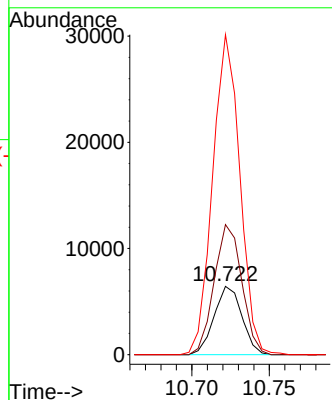
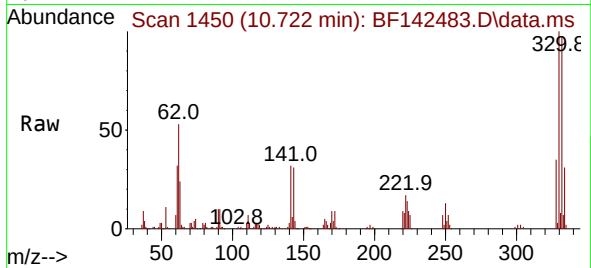




#67
4-Bromophenyl-phenylether
Concen: 3.061 ng
RT: 10.722 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF142483.D
Acq: 21 May 2025 13:11

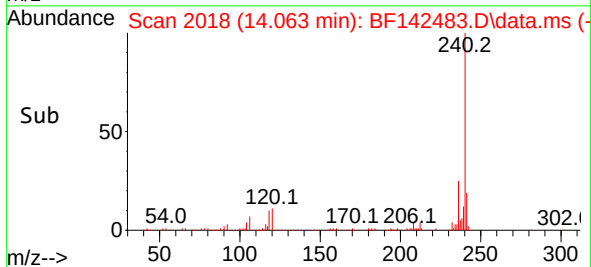
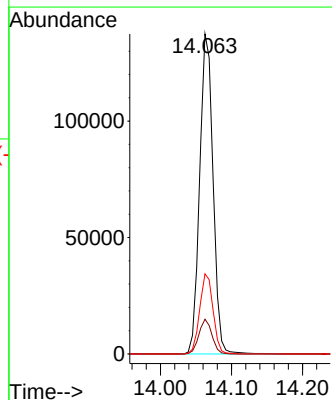
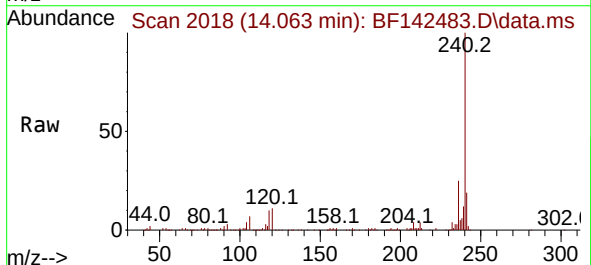
Instrument :
BNA_F
ClientSampleId :
TP-38

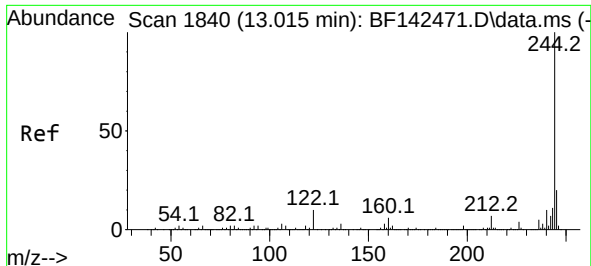
Tgt Ion:248 Resp: 8038
Ion Ratio Lower Upper
248 100
250 190.3 79.0 118.4#
141 468.1 58.4 87.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142483.D
Acq: 21 May 2025 13:11

Tgt Ion:240 Resp: 180491
Ion Ratio Lower Upper
240 100
120 10.8 7.5 11.3
236 25.1 19.6 29.4

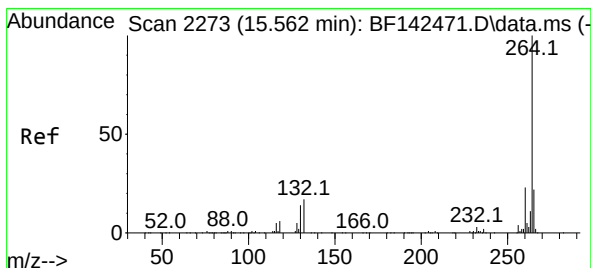
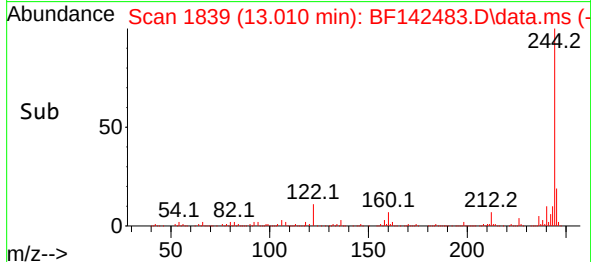
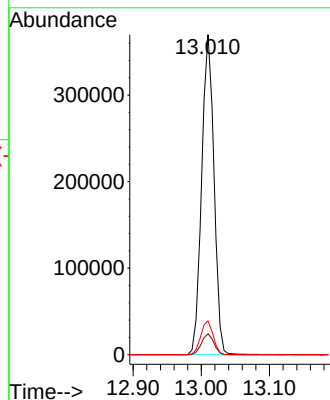
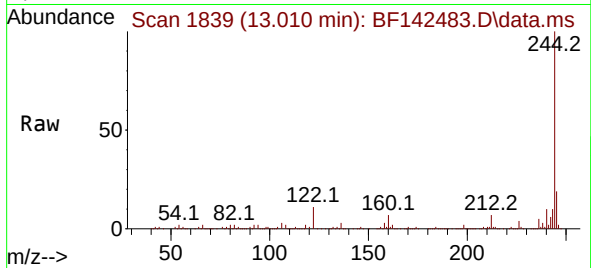




#79
 Terphenyl-d14
 Concen: 35.215 ng
 RT: 13.010 min Scan# 1839
 Delta R.T. -0.006 min
 Lab File: BF142483.D
 Acq: 21 May 2025 13:11

Instrument :
 BNA_F
 ClientSampleId :
 TP-38

Tgt Ion:244 Resp: 465119
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.3 7.9
 122 10.5 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.557 min Scan# 2272
 Delta R.T. -0.012 min
 Lab File: BF142483.D
 Acq: 21 May 2025 13:11

Tgt Ion:264 Resp: 152122
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.6 28.0
 265 21.2 17.7 26.5

