

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
 Data File : BF142583.D
 Acq On : 30 May 2025 21:42
 Operator : RC/JU
 Sample : Q2150-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-42

Quant Time: May 30 22:29:59 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)

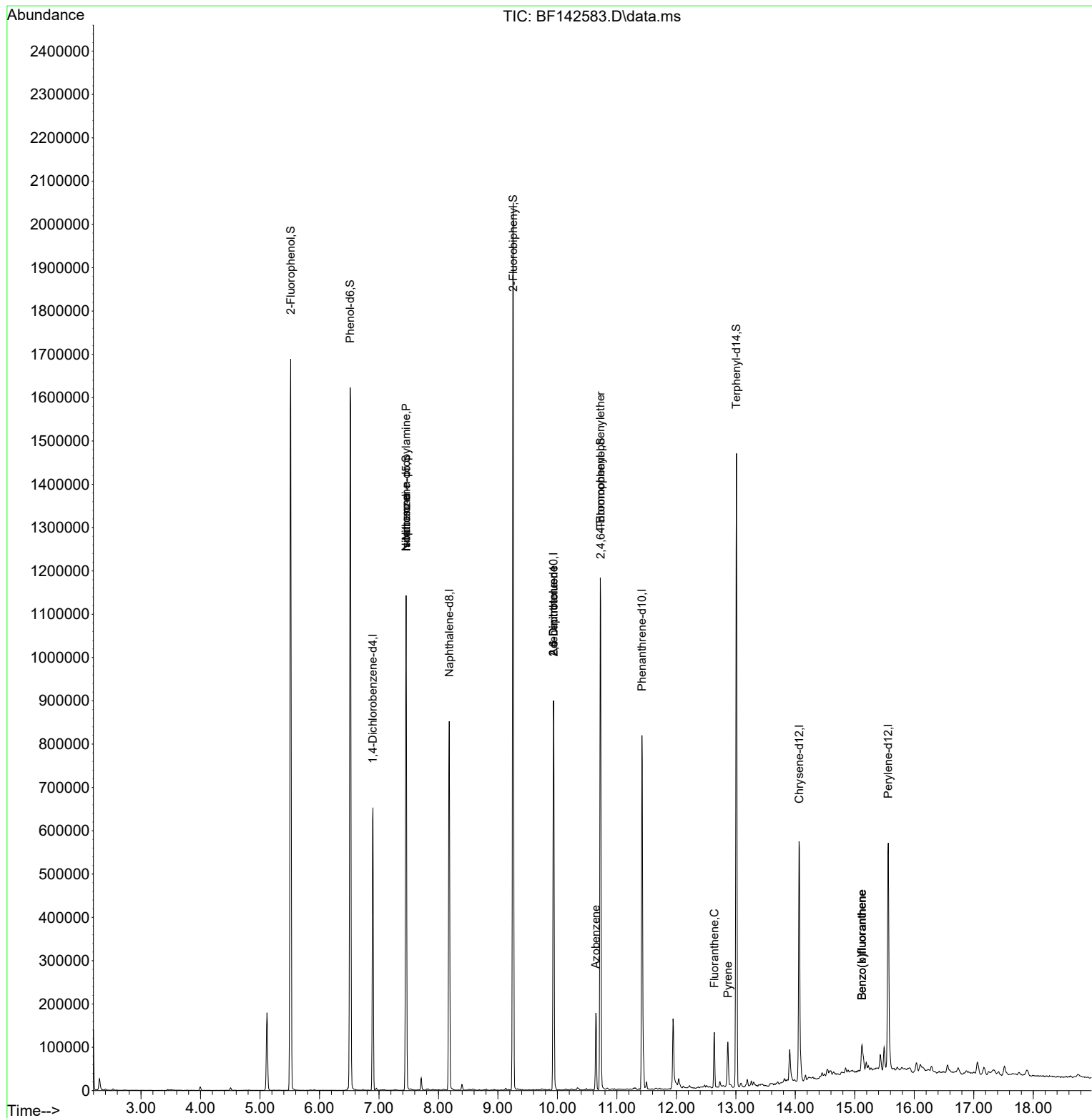
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	143411	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	545898	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	276939	20.000	ng	-0.01
64) Phenanthrene-d10	11.421	188	434462	20.000	ng	-0.01
76) Chrysene-d12	14.068	240	256745	20.000	ng	0.00
86) Perylene-d12	15.562	264	308145	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	665218	78.148	ng	0.00
7) Phenol-d6	6.516	99	808288	78.882	ng	-0.02
23) Nitrobenzene-d5	7.457	82	489226	48.868	ng	-0.02
42) 2,4,6-Tribromophenol	10.727	330	213548	69.476	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	949387	46.001	ng	-0.01
79) Terphenyl-d14	13.010	244	700083	37.262	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	65241	10.273	ng	# 76
25) Isophorone	7.457	82	461764	27.588	ng	# 63
51) 2,6-Dinitrotoluene	9.933	165	35265	8.942	ng	# 28
57) 2,4-Dinitrotoluene	9.933	165	35265	6.847	ng	# 28
63) Azobenzene	10.645	77	42826	2.672	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	13357	2.600	ng	# 1
75) Fluoranthene	12.639	202	75247	3.468	ng	100
78) Pyrene	12.868	202	63857	2.666	ng	97
88) Benzo(b)fluoranthene	15.121	252	52900	2.901	ng	# 94
89) Benzo(k)fluoranthene	15.121	252	52900	3.097	ng	# 94

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

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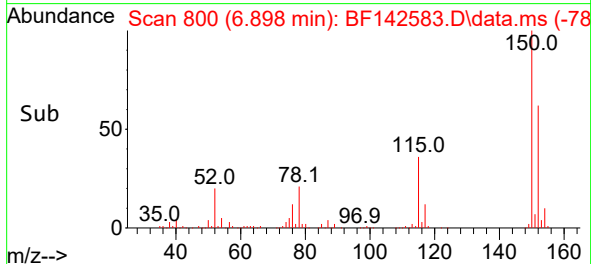
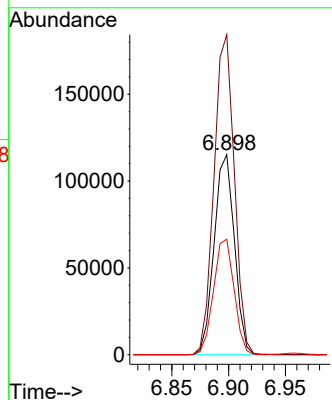
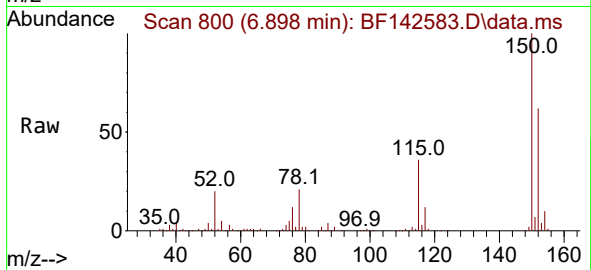




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF142583.D
Acq: 30 May 2025 21:42

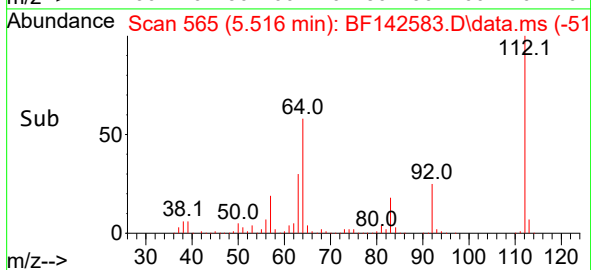
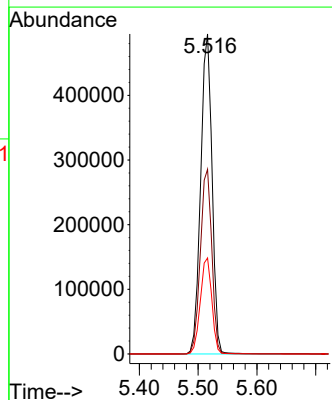
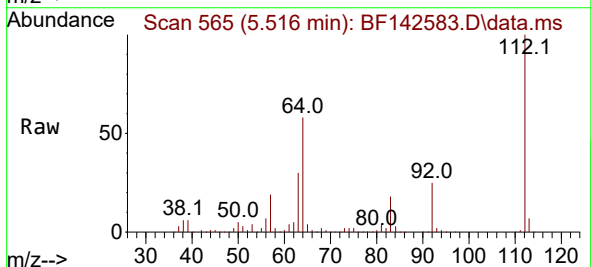
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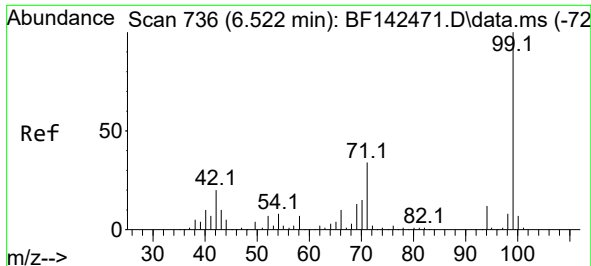
Tgt Ion:152 Resp: 143411
Ion Ratio Lower Upper
152 100
150 160.0 128.2 192.4
115 57.8 48.3 72.5



#5
2-Fluorophenol
Concen: 78.148 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.000 min
Lab File: BF142583.D
Acq: 30 May 2025 21:42

Tgt Ion:112 Resp: 665218
Ion Ratio Lower Upper
112 100
64 57.7 47.5 71.3
63 30.0 24.9 37.3

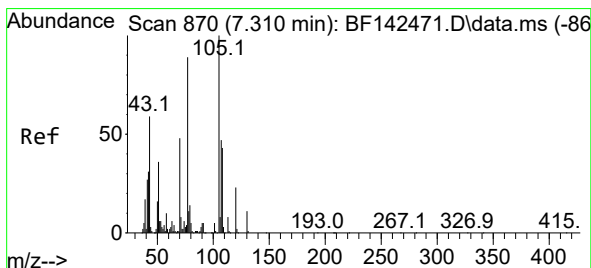
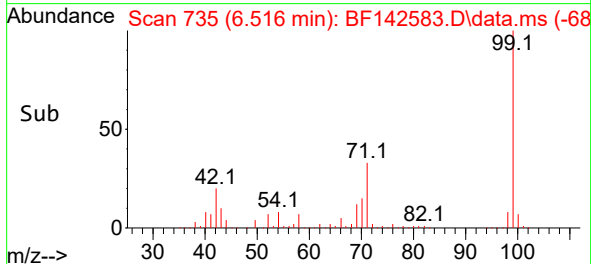
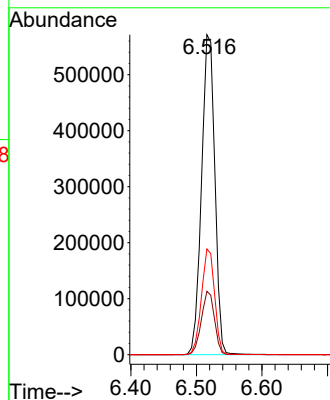
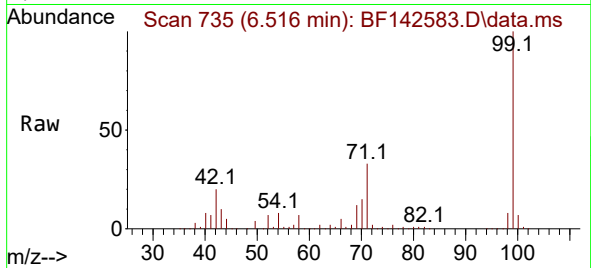




#7
Phenol-d6
Concen: 78.882 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF142583.D
Acq: 30 May 2025 21:42

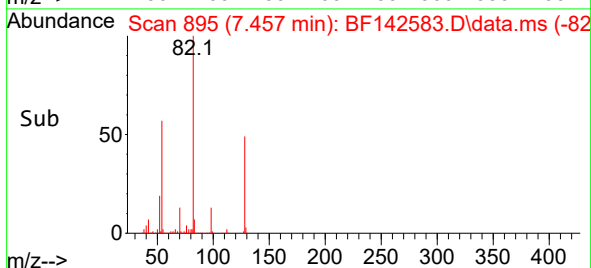
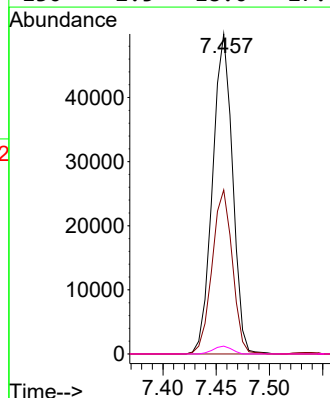
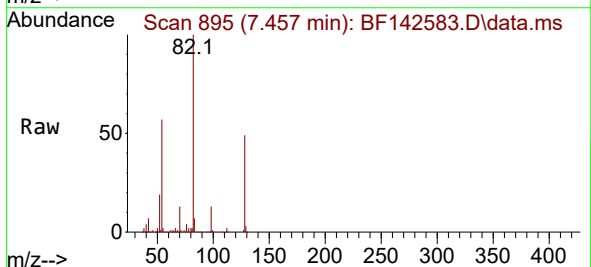
Instrument :
BNA_F
ClientSampleId :
TP-42

Tgt Ion: 99 Resp: 808288
Ion Ratio Lower Upper
99 100
42 19.8 16.2 24.2
71 33.0 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 10.273 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.129 min
Lab File: BF142583.D
Acq: 30 May 2025 21:42

Tgt Ion: 70 Resp: 65241
Ion Ratio Lower Upper
70 100
42 51.3 52.4 78.6#
101 0.0 7.8 11.8#
130 2.5 18.0 27.0#

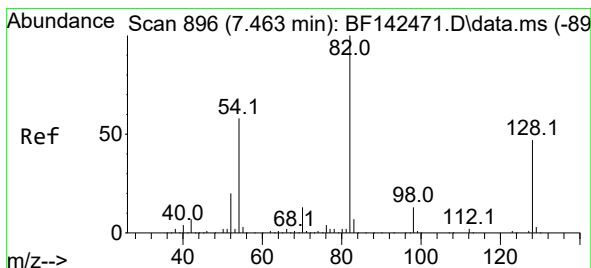
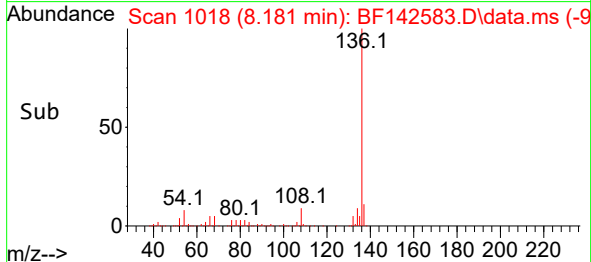
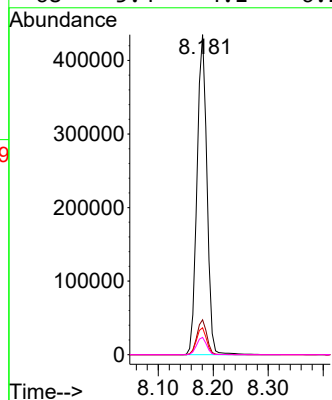
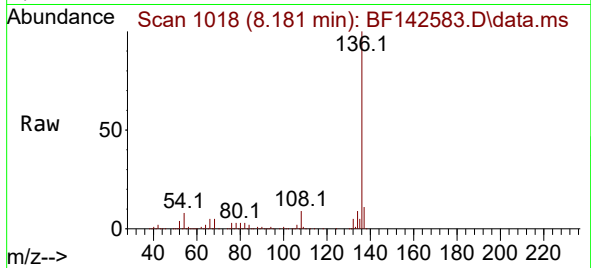




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142583.D
Acq: 30 May 2025 21:42

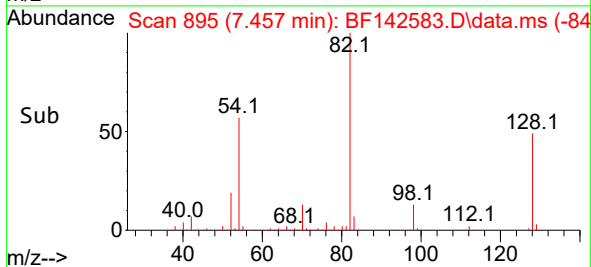
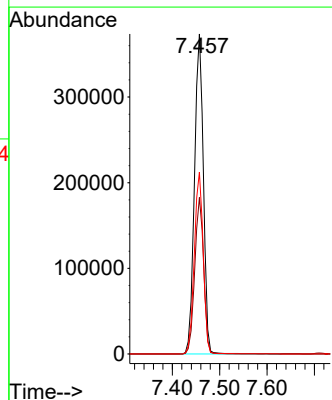
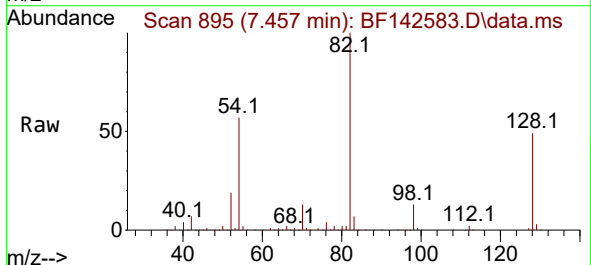
Instrument :
BNA_F
ClientSampleId :
TP-42

Tgt	Ion:136	Resp:	545898
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.4	6.6	10.0
68	5.4	4.1	6.1



#23
Nitrobenzene-d5
Concen: 48.868 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF142583.D
Acq: 30 May 2025 21:42

Tgt Ion: 82	Resp: 489226
Ion Ratio	Lower Upper
82 100	
128 48.9	37.4 56.2
54 56.9	46.6 70.0

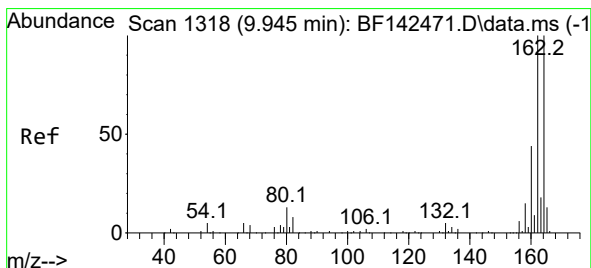
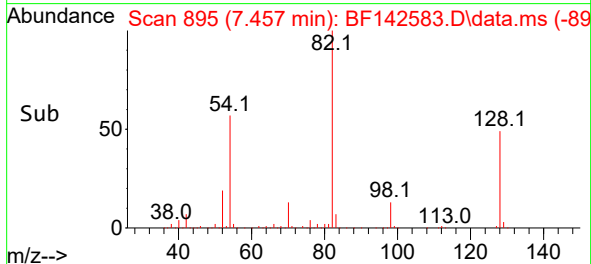
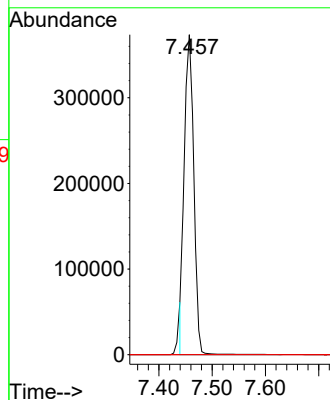
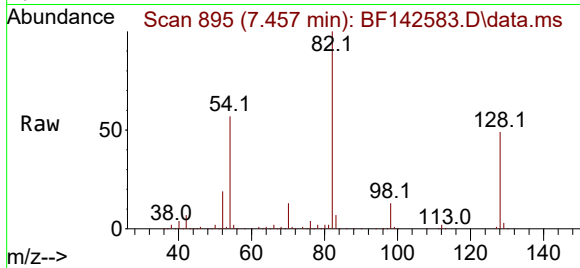




#25
Isophorone
Concen: 27.588 ng
RT: 7.457 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF142583.D
Acq: 30 May 2025 21:42

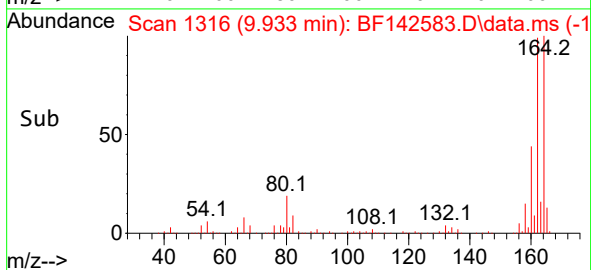
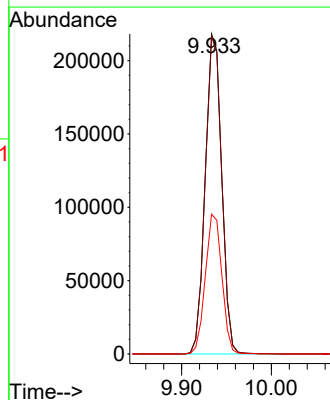
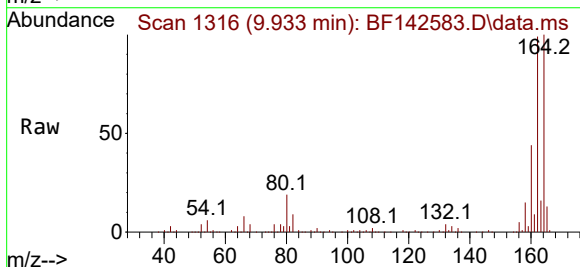
Instrument :
BNA_F
ClientSampleId :
TP-42

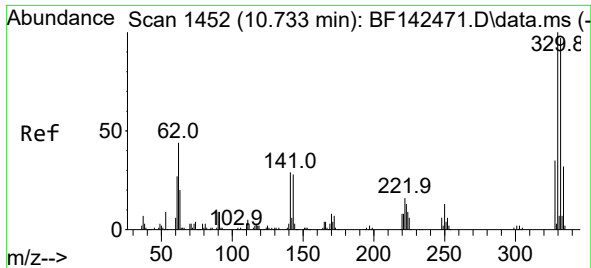
Tgt Ion: 82 Resp: 461764
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142583.D
Acq: 30 May 2025 21:42

Tgt Ion:164 Resp: 276939
Ion Ratio Lower Upper
164 100
162 99.2 80.2 120.4
160 43.7 35.6 53.4

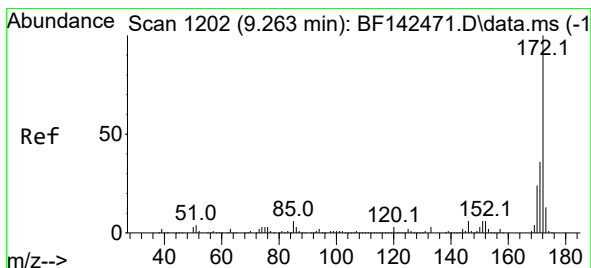
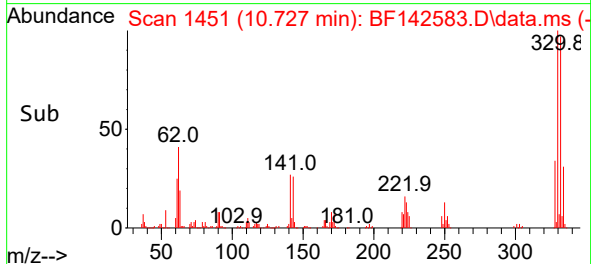
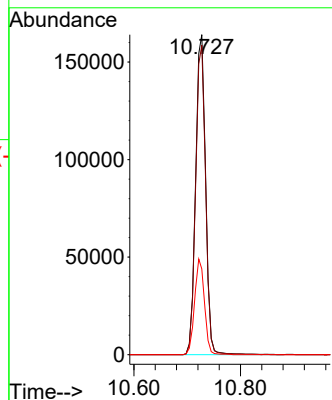
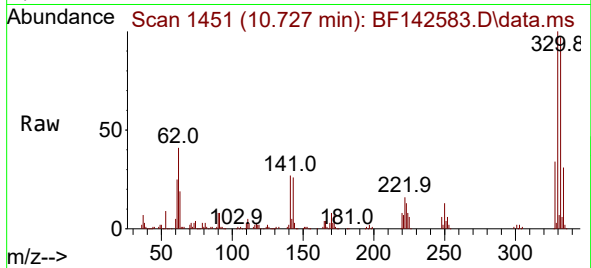




#42
2,4,6-Tribromophenol
Concen: 69.476 ng
RT: 10.727 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF142583.D
Acq: 30 May 2025 21:42

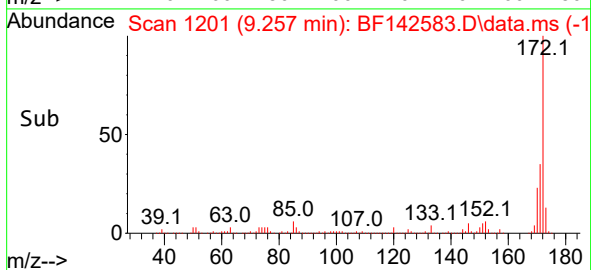
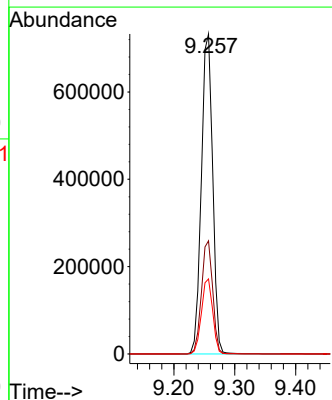
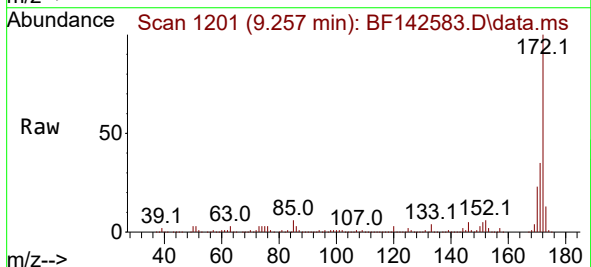
Instrument :
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ClientSampleId :
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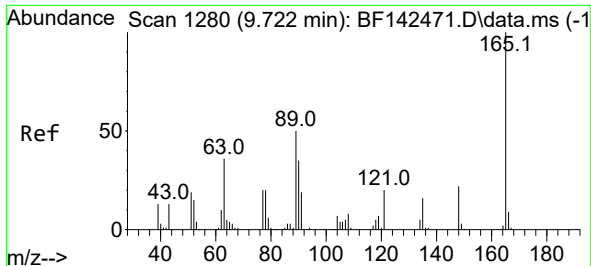
Tgt Ion:330 Resp: 213548
Ion Ratio Lower Upper
330 100
332 96.4 77.6 116.4
141 29.6 24.6 36.8



#45
2-Fluorobiphenyl
Concen: 46.001 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF142583.D
Acq: 30 May 2025 21:42

Tgt Ion:172 Resp: 949387
Ion Ratio Lower Upper
172 100
171 35.3 28.6 42.8
170 23.4 18.9 28.3

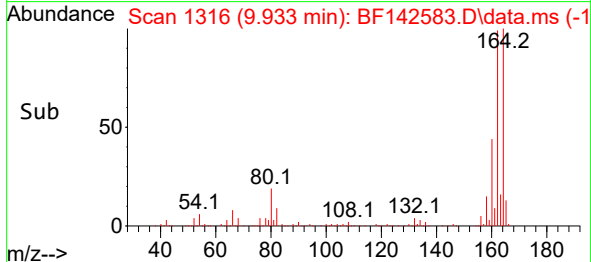
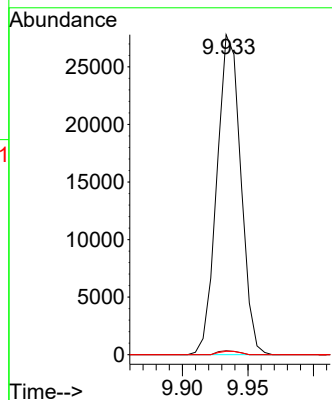
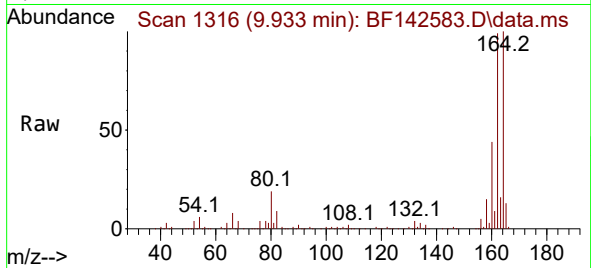




#51
2,6-Dinitrotoluene
Concen: 8.942 ng
RT: 9.933 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142583.D
Acq: 30 May 2025 21:42

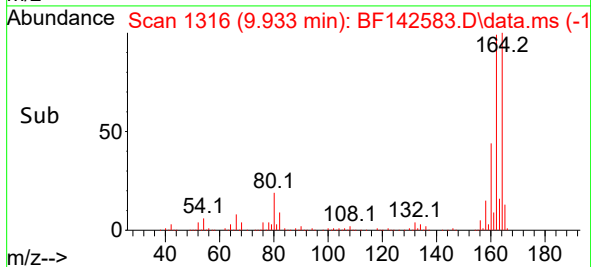
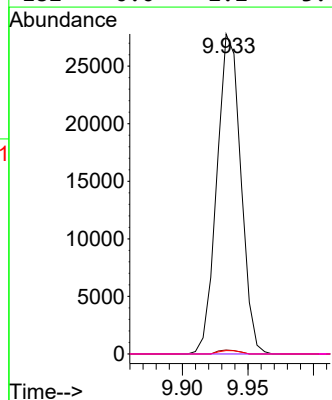
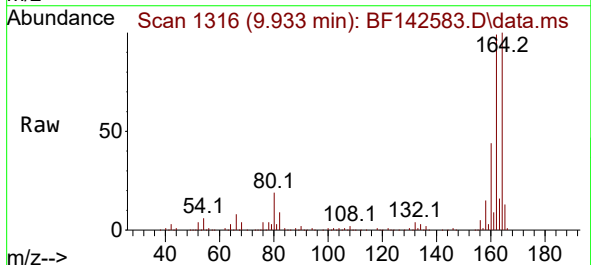
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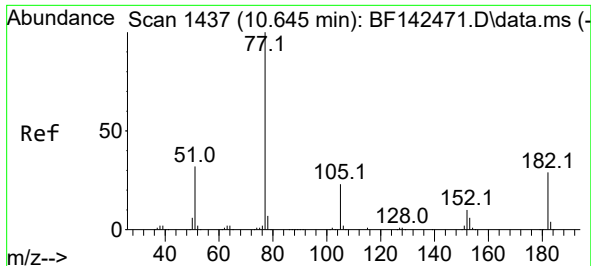
Tgt Ion:165 Resp: 35265
Ion Ratio Lower Upper
165 100
63 1.3 42.9 64.3#
89 1.1 40.2 60.4#



#57
2,4-Dinitrotoluene
Concen: 6.847 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.200 min
Lab File: BF142583.D
Acq: 30 May 2025 21:42

Tgt Ion:165 Resp: 35265
Ion Ratio Lower Upper
165 100
63 1.3 33.6 50.4#
89 1.1 50.2 75.4#
182 0.0 2.2 3.4#

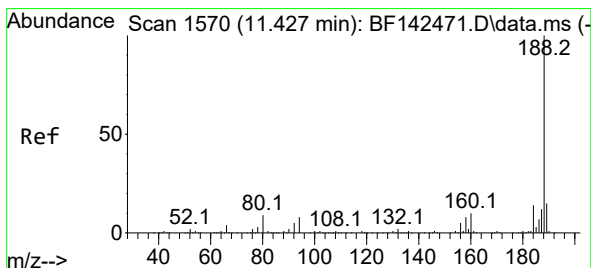
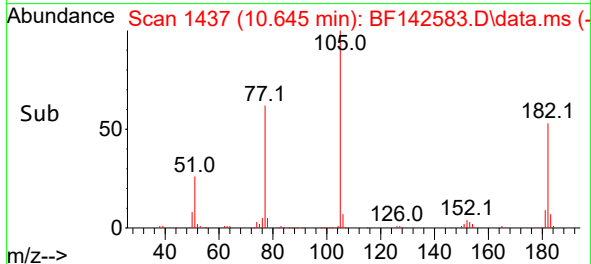
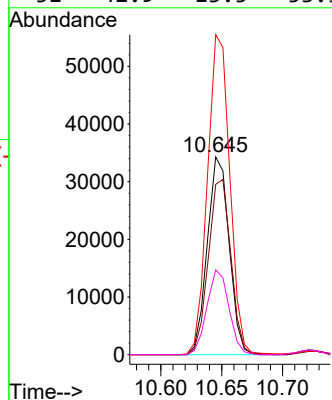
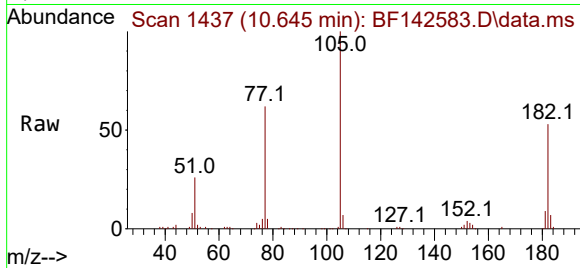




#63
Azobenzene
Concen: 2.672 ng
RT: 10.645 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142583.D
Acq: 30 May 2025 21:42

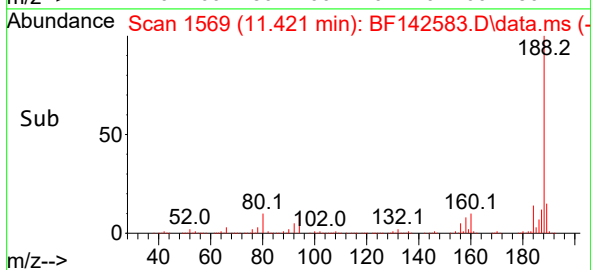
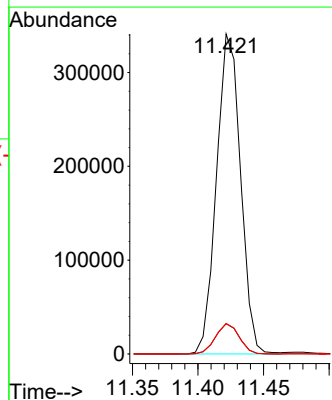
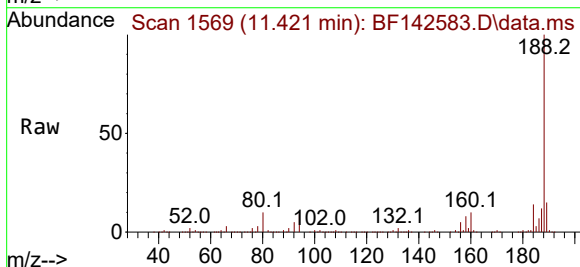
Instrument :
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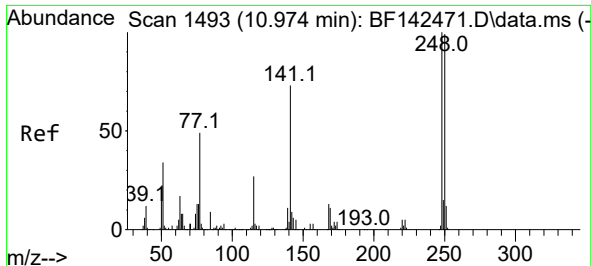
Tgt Ion: 77 Resp: 42826
Ion Ratio Lower Upper
77 100
182 86.2 9.0 49.0#
105 161.8 2.4 42.4#
51 42.9 13.5 53.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.421 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142583.D
Acq: 30 May 2025 21:42

Tgt Ion:188 Resp: 434462
Ion Ratio Lower Upper
188 100
94 9.4 6.6 10.0
80 9.5 7.4 11.0





#67

4-Bromophenyl-phenylether

Concen: 2.600 ng

RT: 10.722 min Scan# 14

Delta R.T. -0.253 min

Lab File: BF142583.D

Acq: 30 May 2025 21:42

Instrument :

BNA_F

ClientSampleId :

TP-42

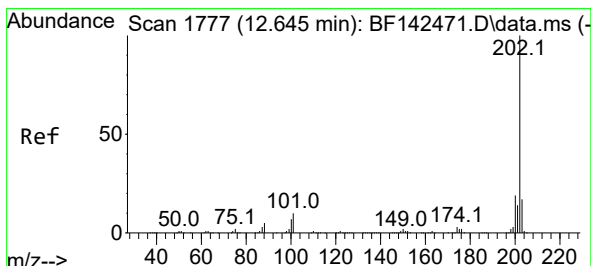
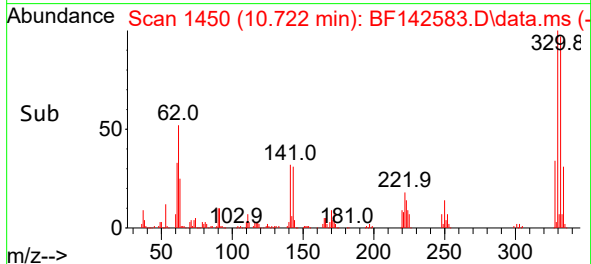
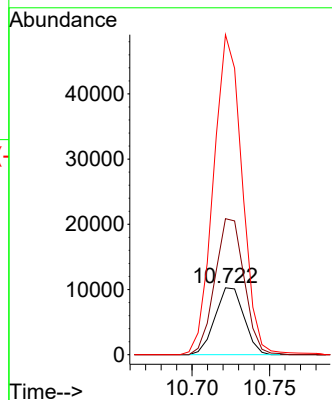
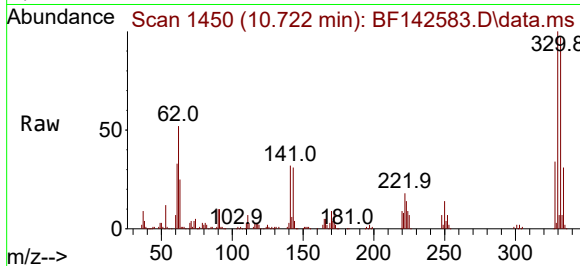
Tgt Ion:248 Resp: 13357

Ion Ratio Lower Upper

248 100

250 203.2 79.0 118.4#

141 477.9 58.4 87.6#



#75

Fluoranthene

Concen: 3.468 ng

RT: 12.639 min Scan# 1776

Delta R.T. -0.006 min

Lab File: BF142583.D

Acq: 30 May 2025 21:42

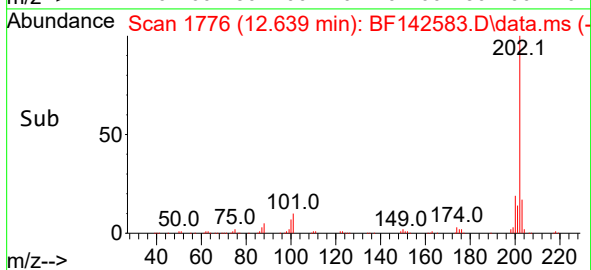
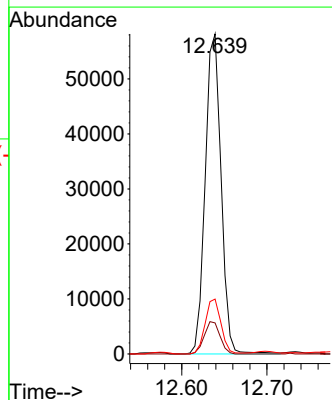
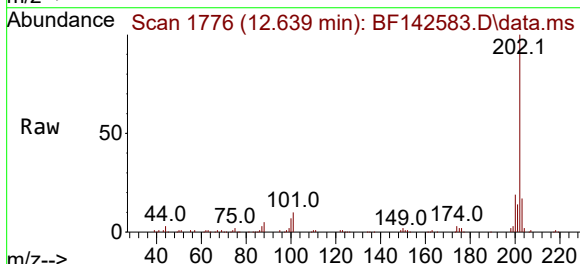
Tgt Ion:202 Resp: 75247

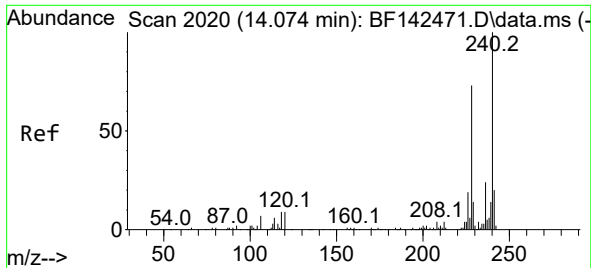
Ion Ratio Lower Upper

202 100

101 9.7 0.0 29.6

203 17.2 0.0 37.2

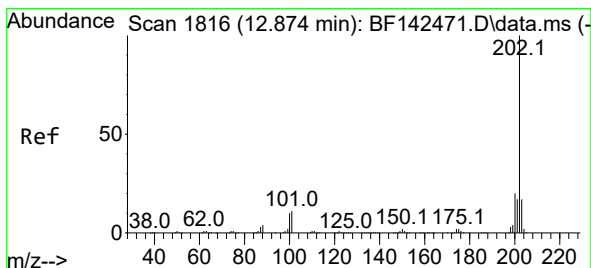
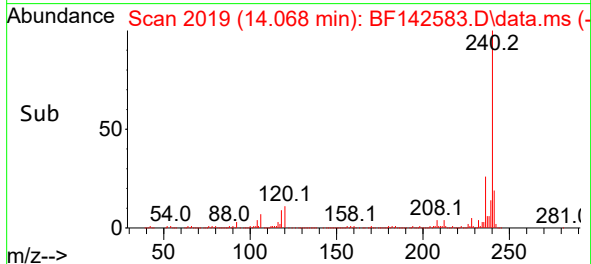
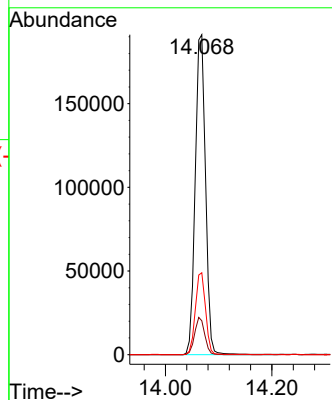
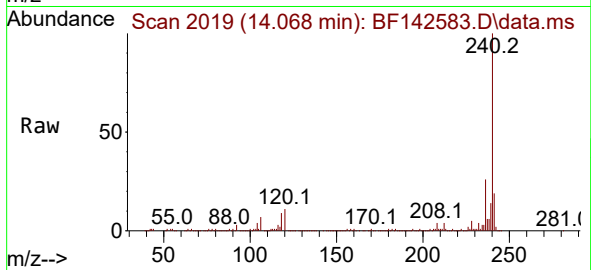




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF142583.D
Acq: 30 May 2025 21:42

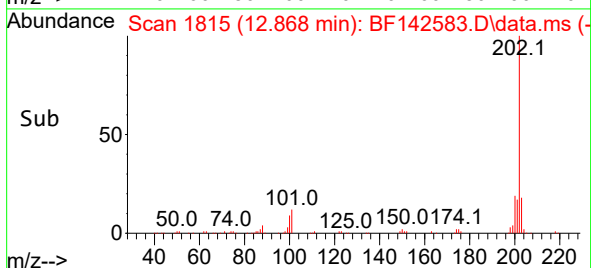
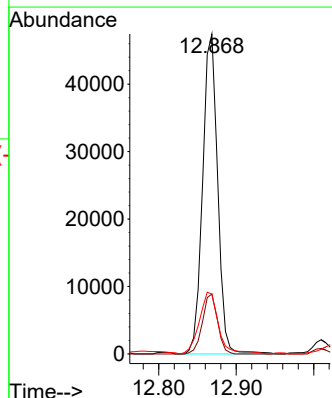
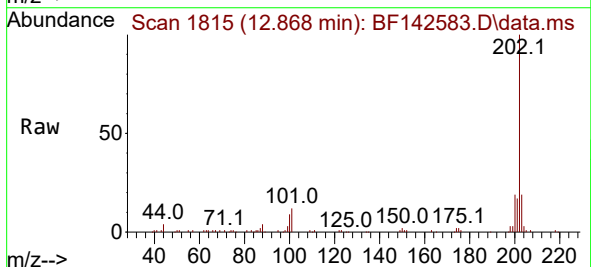
Instrument :
BNA_F
ClientSampleId :
TP-42

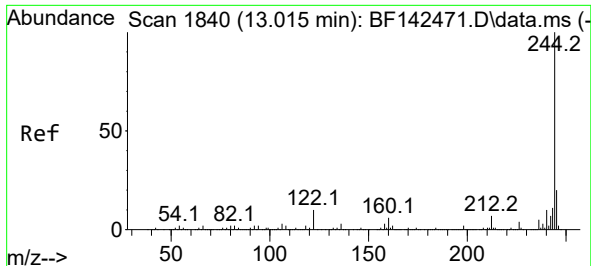
Tgt Ion:240 Resp: 256745
Ion Ratio Lower Upper
240 100
120 10.6 7.5 11.3
236 25.6 19.6 29.4



#78
Pyrene
Concen: 2.666 ng
RT: 12.868 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF142583.D
Acq: 30 May 2025 21:42

Tgt Ion:202 Resp: 63857
Ion Ratio Lower Upper
202 100
200 18.8 16.1 24.1
203 18.7 13.9 20.9

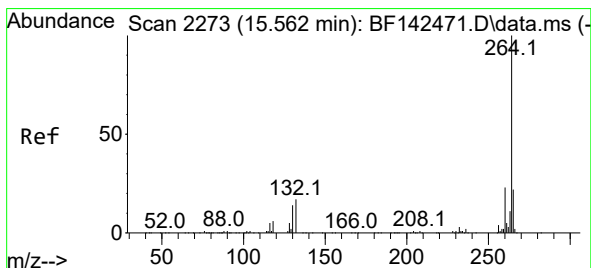
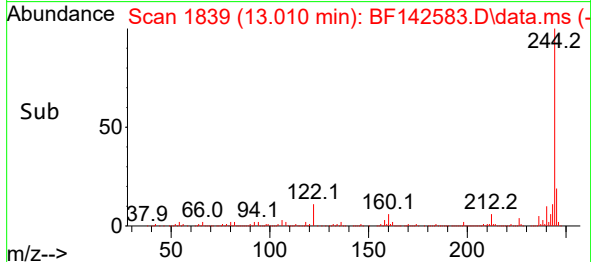
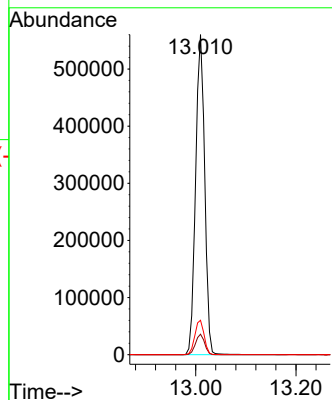
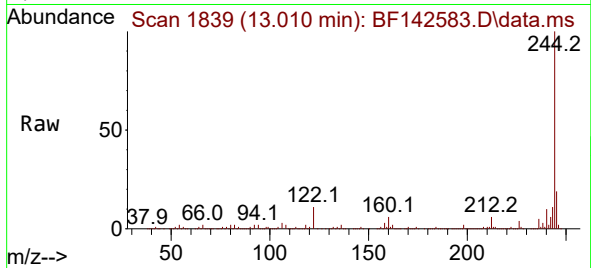




#79
 Terphenyl-d14
 Concen: 37.262 ng
 RT: 13.010 min Scan# 1839
 Delta R.T. -0.006 min
 Lab File: BF142583.D
 Acq: 30 May 2025 21:42

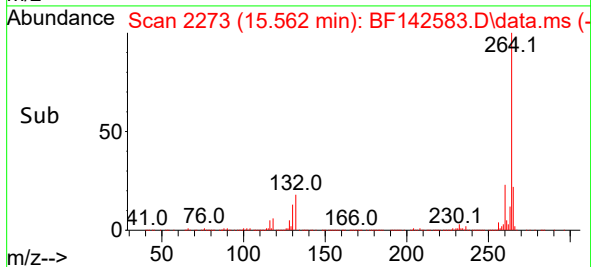
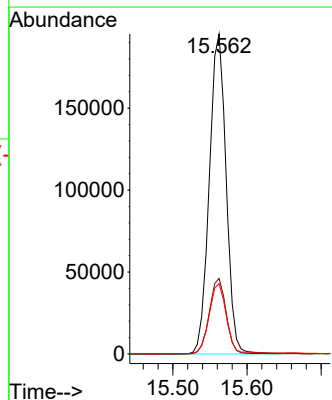
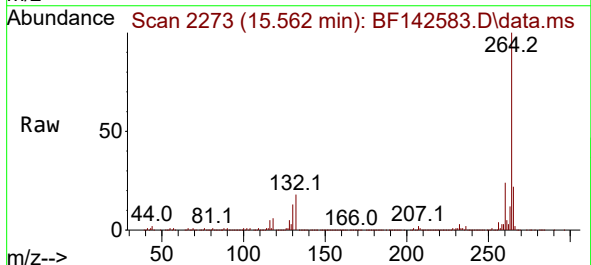
Instrument :
 BNA_F
 ClientSampleId :
 TP-42

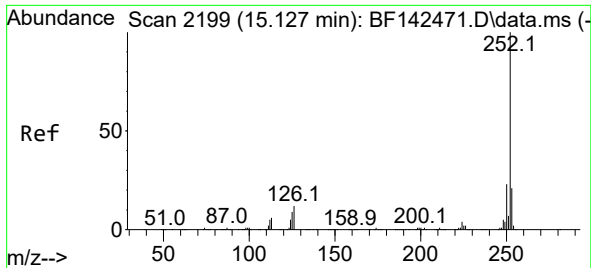
Tgt Ion:244 Resp: 700083
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.3 7.9
 122 10.7 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.562 min Scan# 2273
 Delta R.T. -0.006 min
 Lab File: BF142583.D
 Acq: 30 May 2025 21:42

Tgt Ion:264 Resp: 308145
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.6 28.0
 265 21.9 17.7 26.5

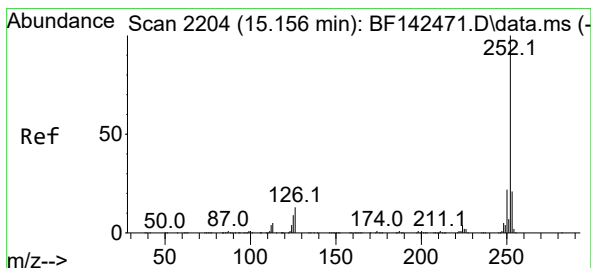
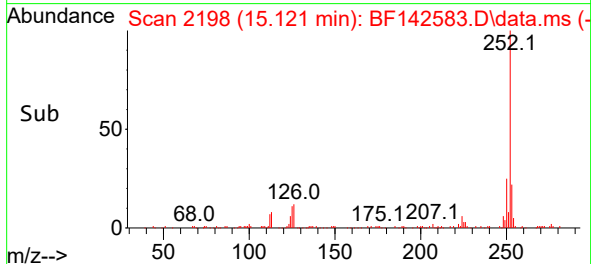
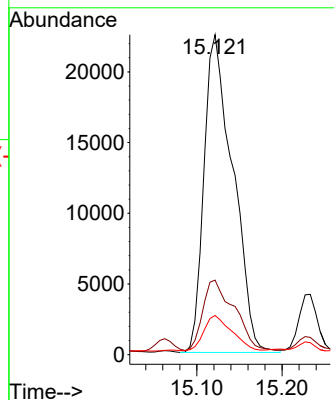
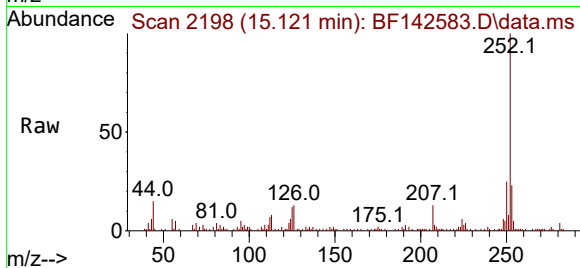




#88
Benzo(b)fluoranthene
Concen: 2.901 ng
RT: 15.121 min Scan# 2199
Delta R.T. -0.006 min
Lab File: BF142583.D
Acq: 30 May 2025 21:42

Instrument :
BNA_F
ClientSampleId :
TP-42

Tgt Ion:252 Resp: 52900
Ion Ratio Lower Upper
252 100
253 23.3 17.0 25.4
125 12.2 7.4 11.0#



#89
Benzo(k)fluoranthene
Concen: 3.097 ng
RT: 15.121 min Scan# 2198
Delta R.T. -0.041 min
Lab File: BF142583.D
Acq: 30 May 2025 21:42

Tgt Ion:252 Resp: 52900
Ion Ratio Lower Upper
252 100
253 23.3 17.0 25.4
125 12.2 7.3 10.9#

