

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052225\
 Data File : BF142521.D
 Acq On : 22 May 2025 20:25
 Operator : RC/JU
 Sample : Q2095-05
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WCS-TP2

Quant Time: May 23 01:24:03 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)

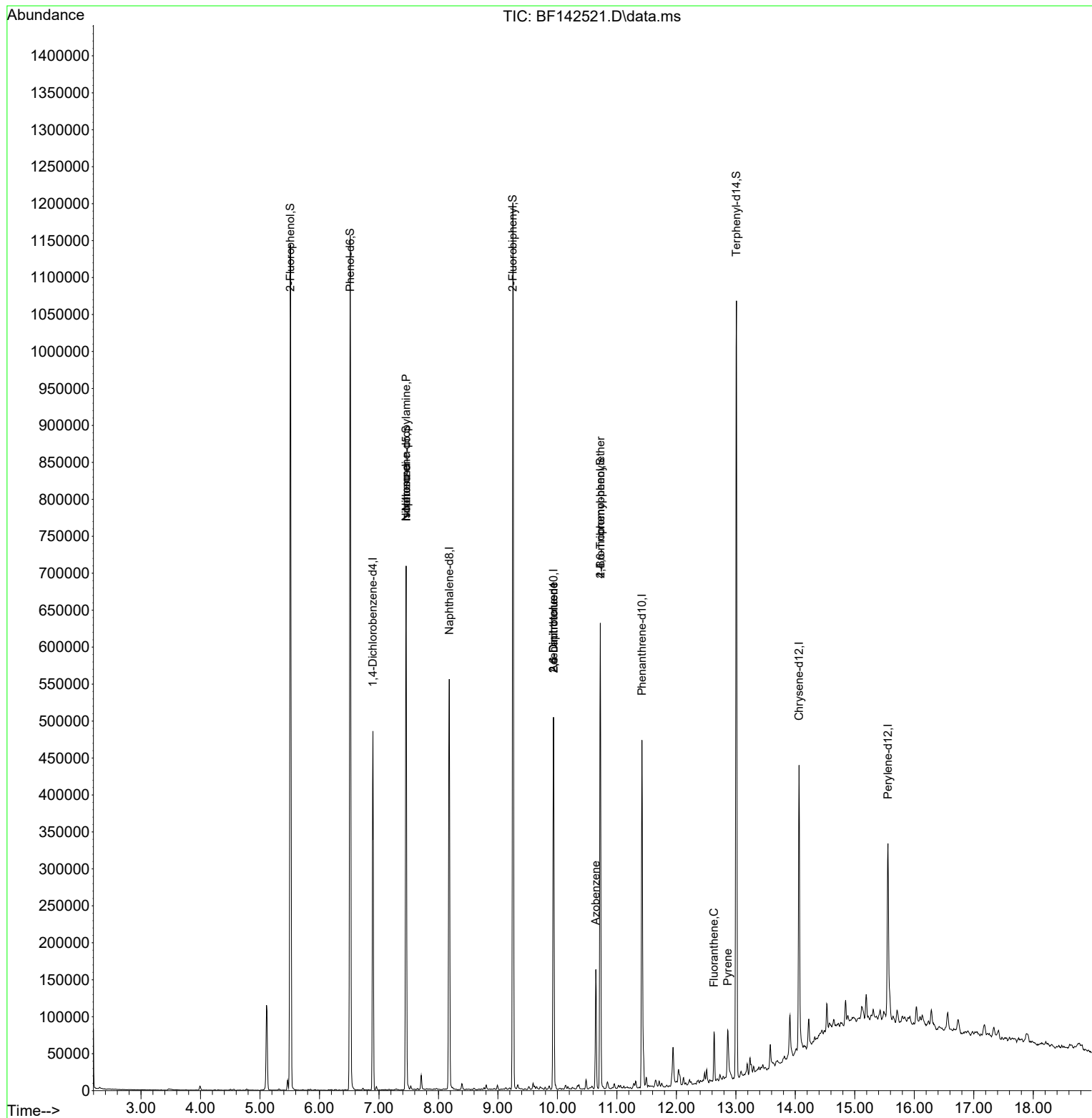
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	103518	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	351685	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	149059	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	240734	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	179378	20.000	ng	-0.01
86) Perylene-d12	15.557	264	144086	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	445236	72.462	ng	0.00
7) Phenol-d6	6.516	99	522756	70.677	ng	-0.02
23) Nitrobenzene-d5	7.457	82	291175	45.147	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	106518	64.386	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	540428	48.651	ng	-0.02
79) Terphenyl-d14	13.010	244	517017	39.388	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	39313	8.576	ng	# 75
25) Isophorone	7.457	82	275072	25.509	ng	# 63
51) 2,6-Dinitrotoluene	9.933	165	19391	9.135	ng	# 28
57) 2,4-Dinitrotoluene	9.933	165	19391	6.995	ng	# 28
63) Azobenzene	10.645	77	38287	4.438	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	6960	2.445	ng	# 1
75) Fluoranthene	12.633	202	39051	3.248	ng	97
78) Pyrene	12.863	202	36511	2.182	ng	98

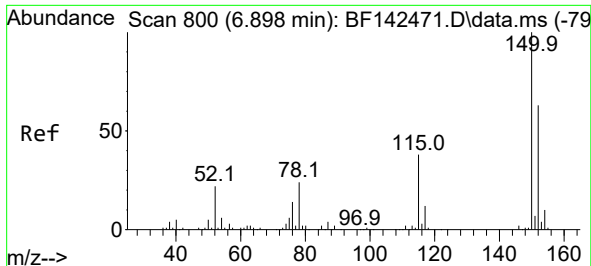
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052225\
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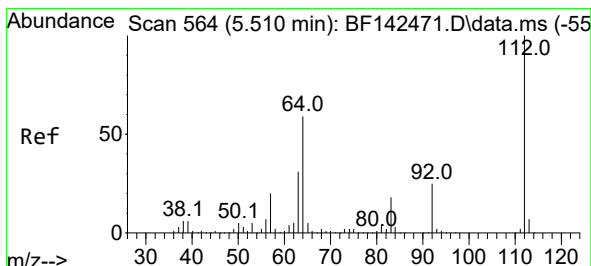
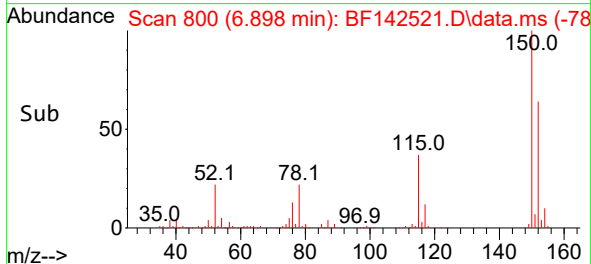
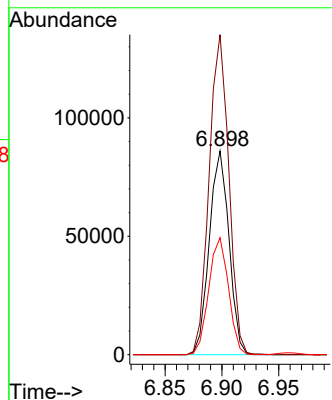
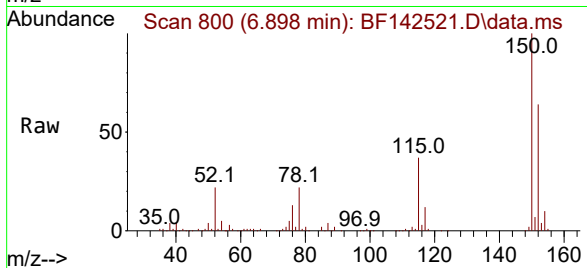




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF142521.D
Acq: 22 May 2025 20:25

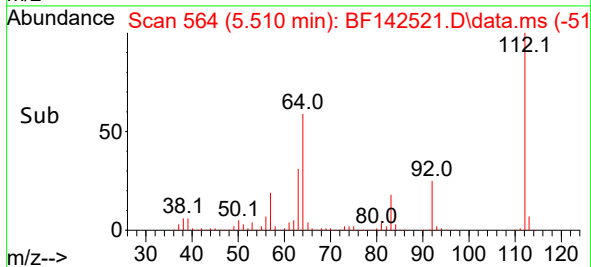
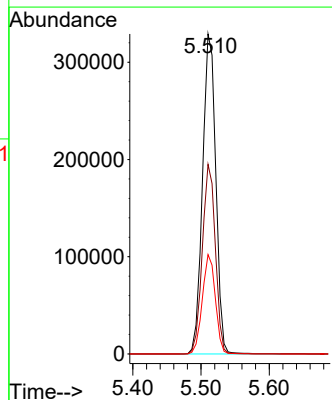
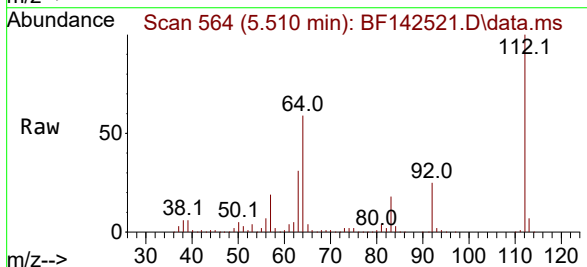
Instrument :
BNA_F
ClientSampleId :
WCS-TP2

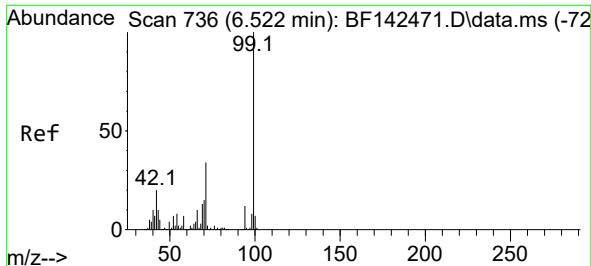
Tgt Ion:152 Resp: 103518
Ion Ratio Lower Upper
152 100
150 157.1 128.2 192.4
115 57.5 48.3 72.5



#5
2-Fluorophenol
Concen: 72.462 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142521.D
Acq: 22 May 2025 20:25

Tgt Ion:112 Resp: 445236
Ion Ratio Lower Upper
112 100
64 59.2 47.5 71.3
63 31.0 24.9 37.3

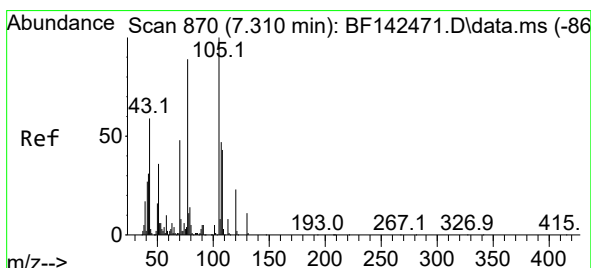
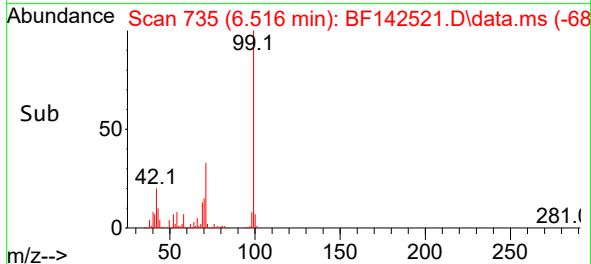
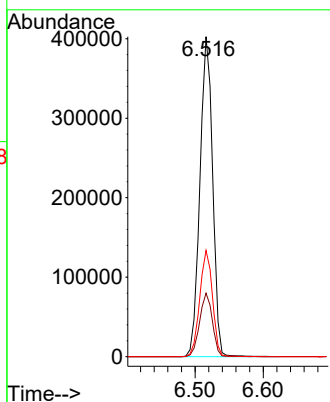
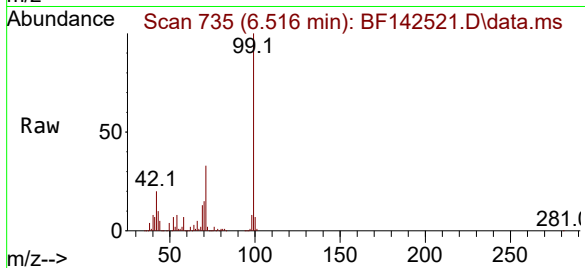




#7
Phenol-d6
Concen: 70.677 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF142521.D
Acq: 22 May 2025 20:25

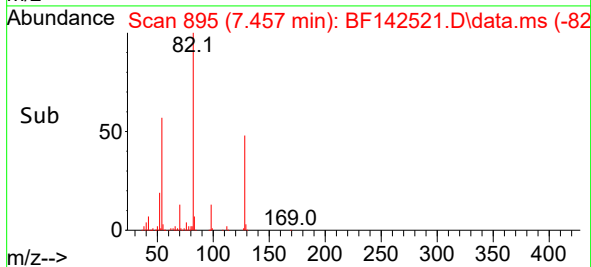
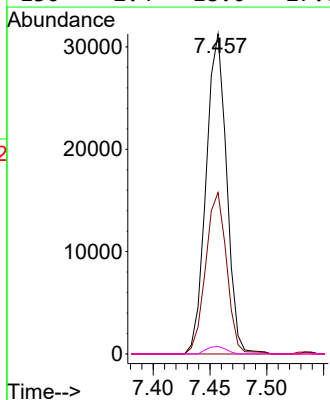
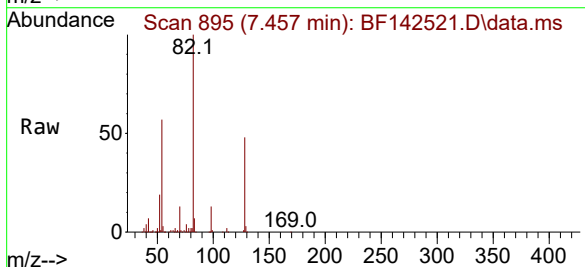
Instrument :
BNA_F
ClientSampleId :
WCS-TP2

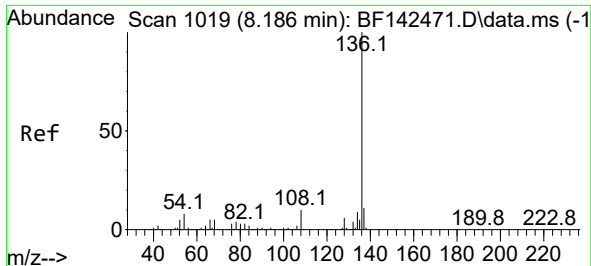
Tgt Ion: 99 Resp: 522756
Ion Ratio Lower Upper
99 100
42 19.8 16.2 24.2
71 33.2 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 8.576 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.129 min
Lab File: BF142521.D
Acq: 22 May 2025 20:25

Tgt Ion: 70 Resp: 39313
Ion Ratio Lower Upper
70 100
42 50.5 52.4 78.6#
101 0.0 7.8 11.8#
130 2.4 18.0 27.0#

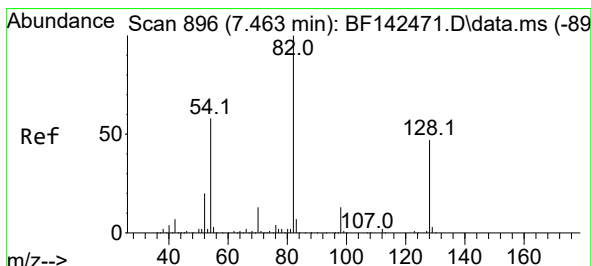
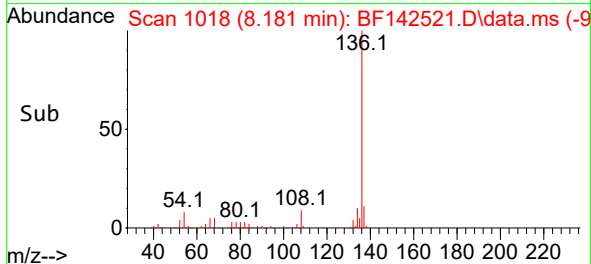
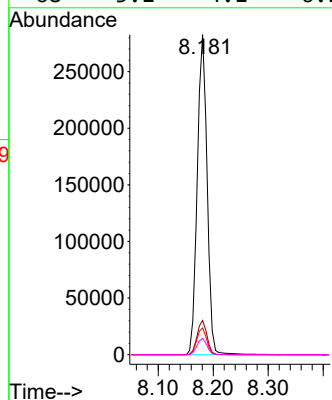
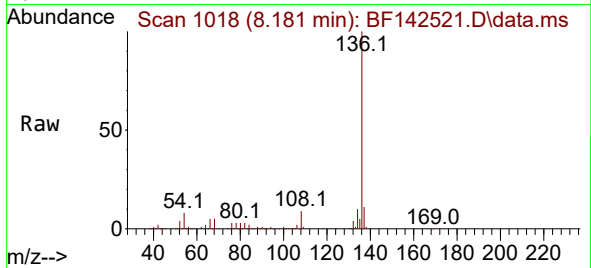




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142521.D
Acq: 22 May 2025 20:25

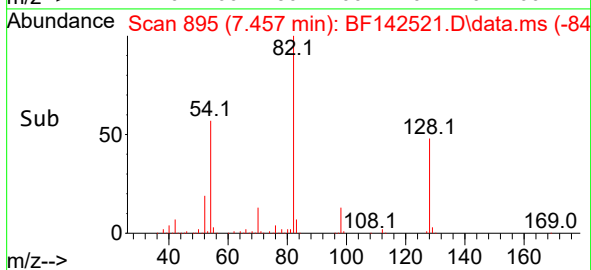
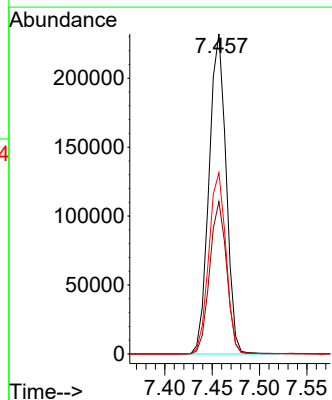
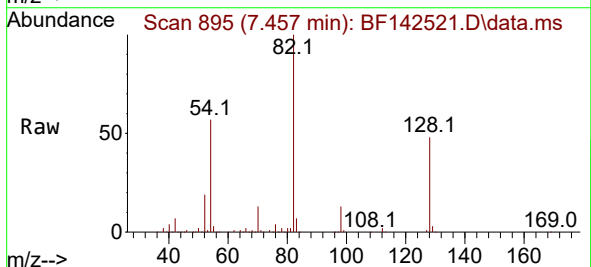
Instrument :
BNA_F
ClientSampleId :
WCS-TP2

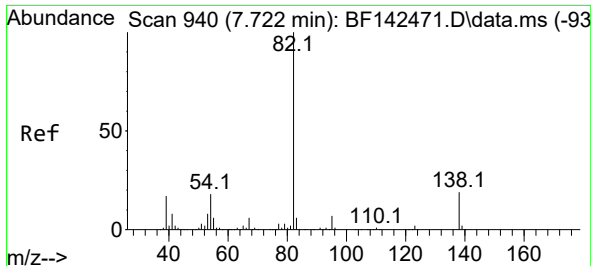
Tgt Ion:136 Resp: 351685
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.4 6.6 10.0
68 5.1 4.1 6.1



#23
Nitrobenzene-d5
Concen: 45.147 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF142521.D
Acq: 22 May 2025 20:25

Tgt Ion: 82 Resp: 291175
Ion Ratio Lower Upper
82 100
128 47.7 37.4 56.2
54 56.6 46.6 70.0

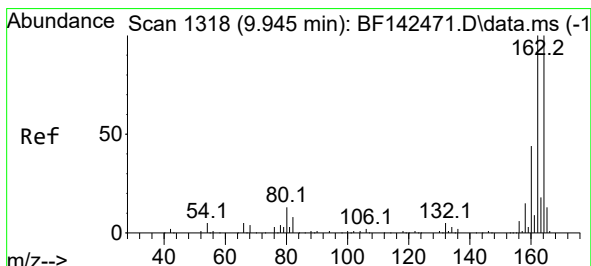
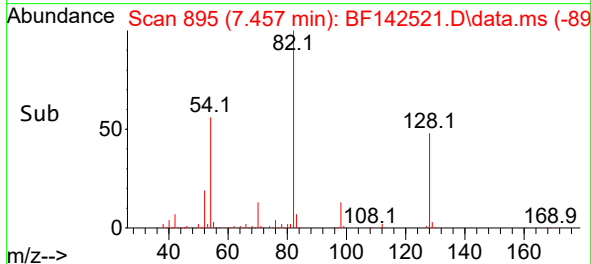
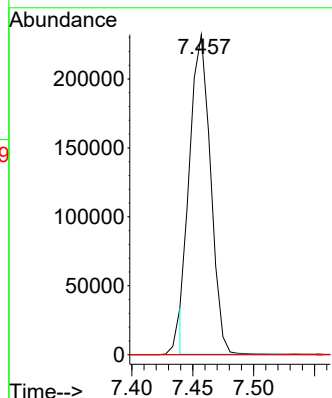
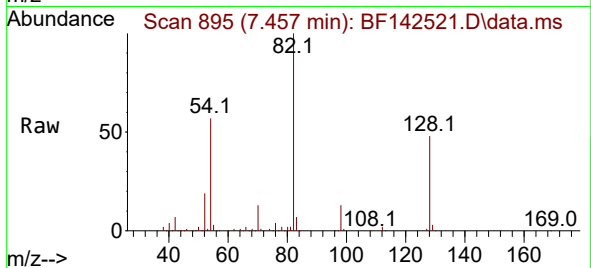




#25
Isophorone
Concen: 25.509 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.276 min
Lab File: BF142521.D
Acq: 22 May 2025 20:25

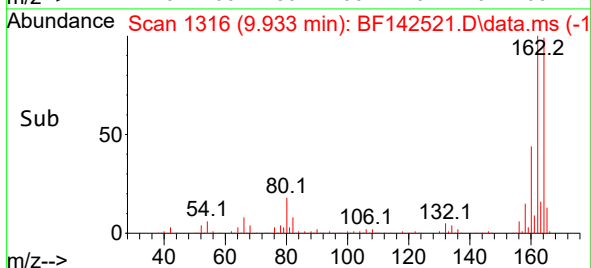
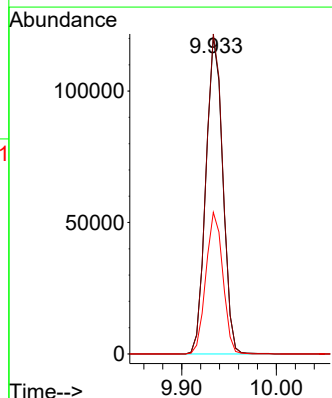
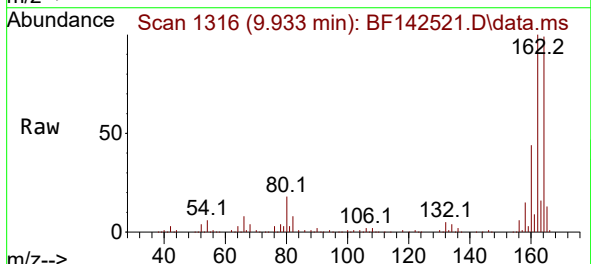
Instrument :
BNA_F
ClientSampleId :
WCS-TP2

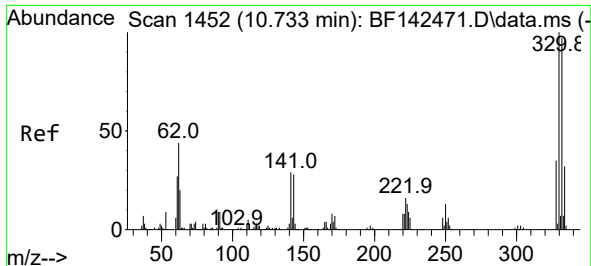
Tgt Ion: 82 Resp: 275072
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142521.D
Acq: 22 May 2025 20:25

Tgt Ion:164 Resp: 149059
Ion Ratio Lower Upper
164 100
162 101.0 80.2 120.4
160 44.7 35.6 53.4

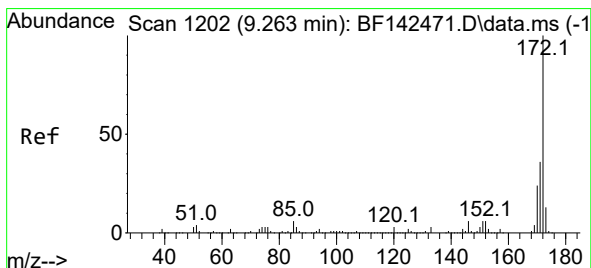
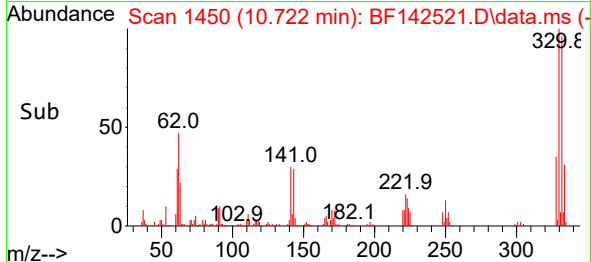
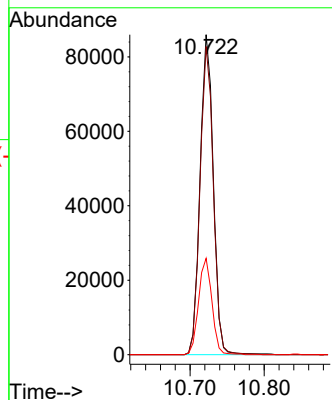
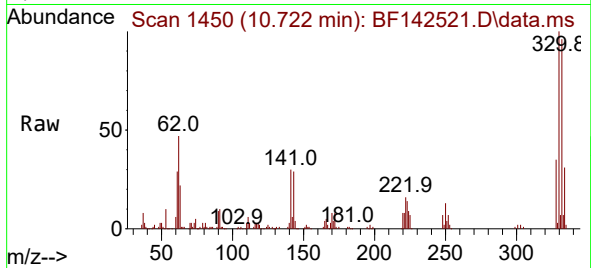




#42
 2,4,6-Tribromophenol
 Concen: 64.386 ng
 RT: 10.722 min Scan# 1450
 Delta R.T. -0.018 min
 Lab File: BF142521.D
 Acq: 22 May 2025 20:25

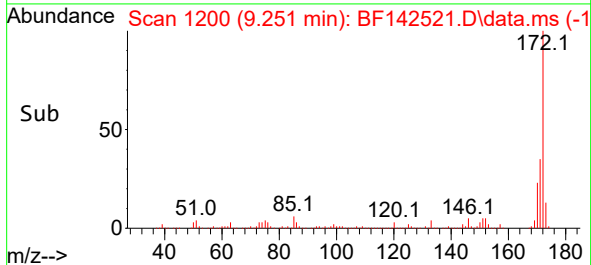
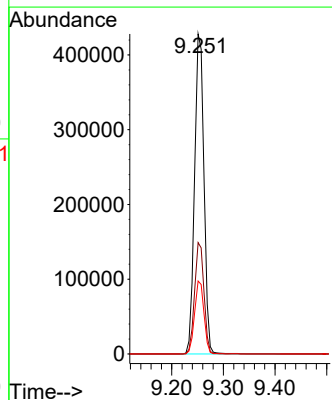
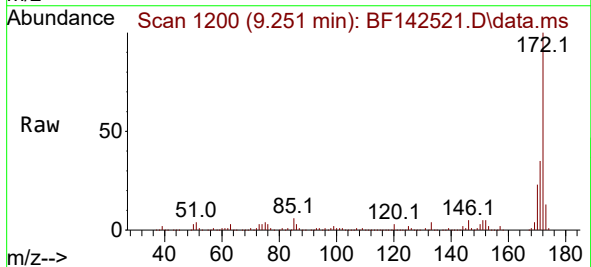
Instrument :
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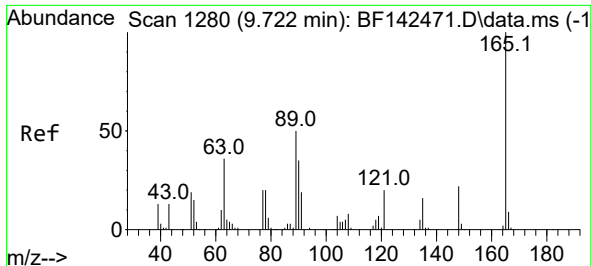
Tgt Ion:330 Resp: 106518
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.6 116.4
 141 30.3 24.6 36.8



#45
 2-Fluorobiphenyl
 Concen: 48.651 ng
 RT: 9.251 min Scan# 1200
 Delta R.T. -0.018 min
 Lab File: BF142521.D
 Acq: 22 May 2025 20:25

Tgt Ion:172 Resp: 540428
 Ion Ratio Lower Upper
 172 100
 171 34.8 28.6 42.8
 170 22.8 18.9 28.3

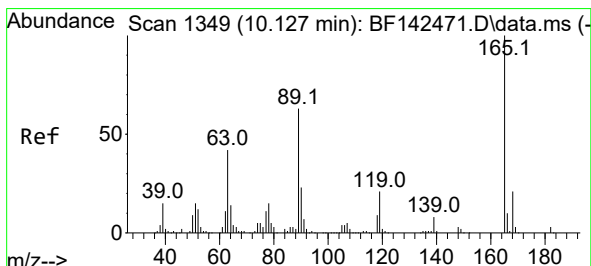
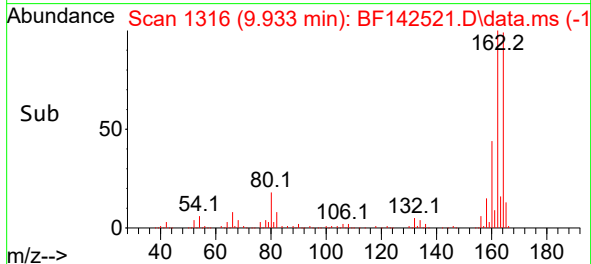
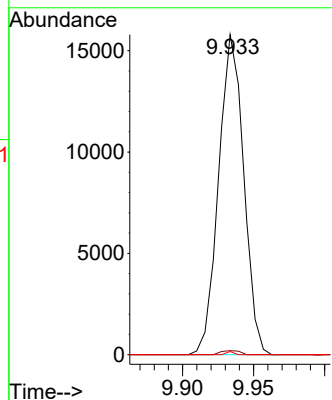
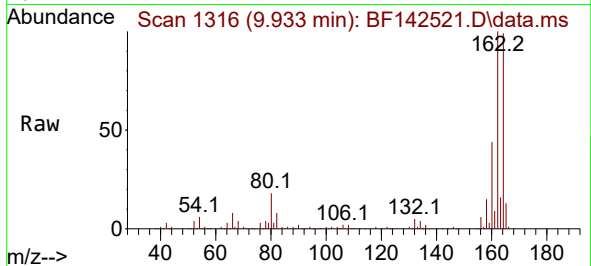




#51
2,6-Dinitrotoluene
Concen: 9.135 ng
RT: 9.933 min Scan# 1316
Delta R.T. 0.206 min
Lab File: BF142521.D
Acq: 22 May 2025 20:25

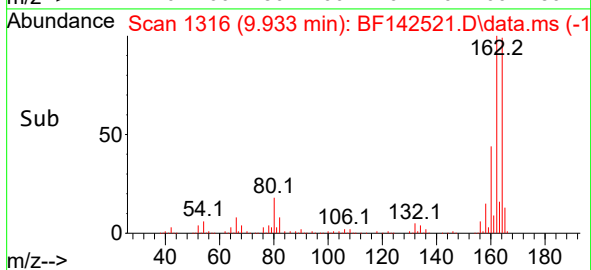
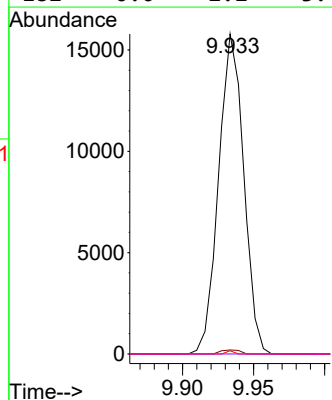
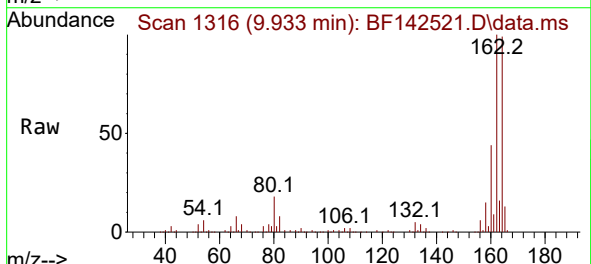
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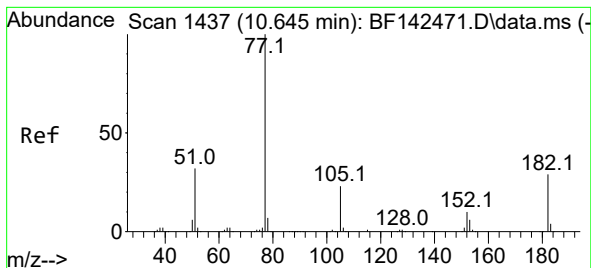
Tgt Ion:165 Resp: 19391
Ion Ratio Lower Upper
165 100
63 1.2 42.9 64.3#
89 1.0 40.2 60.4#



#57
2,4-Dinitrotoluene
Concen: 6.995 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.200 min
Lab File: BF142521.D
Acq: 22 May 2025 20:25

Tgt Ion:165 Resp: 19391
Ion Ratio Lower Upper
165 100
63 1.2 33.6 50.4#
89 1.0 50.2 75.4#
182 0.0 2.2 3.4#





#63

Azobenzene

Concen: 4.438 ng

RT: 10.645 min Scan# 14

Delta R.T. 0.000 min

Lab File: BF142521.D

Acq: 22 May 2025 20:25

Instrument :

BNA_F

ClientSampleId :

WCS-TP2

Tgt Ion: 77 Resp: 38287

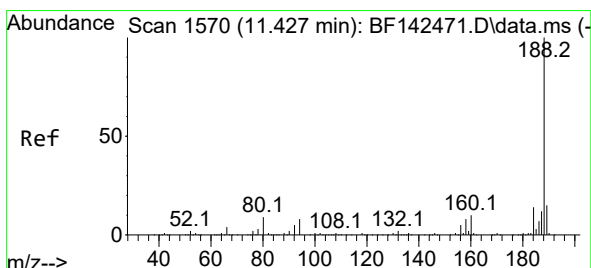
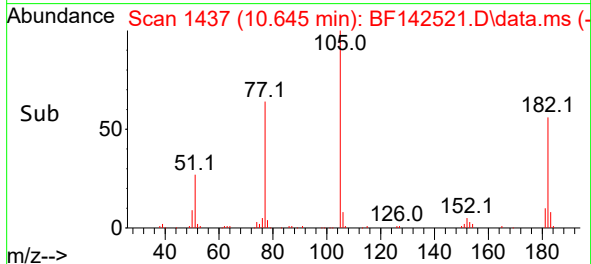
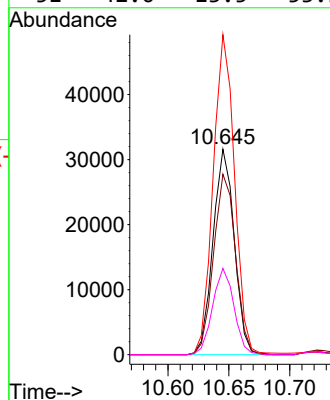
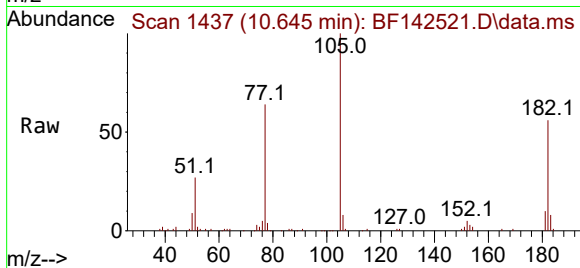
Ion Ratio Lower Upper

77 100

182 87.9 9.0 49.0#

105 155.8 2.4 42.4#

51 42.0 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: BF142521.D

Acq: 22 May 2025 20:25

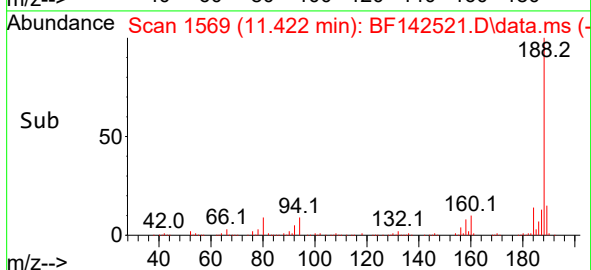
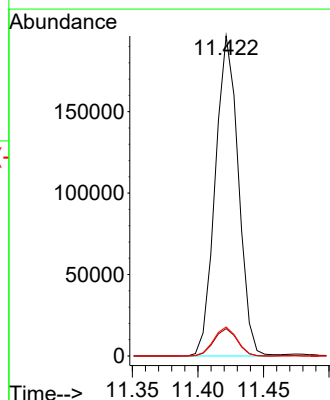
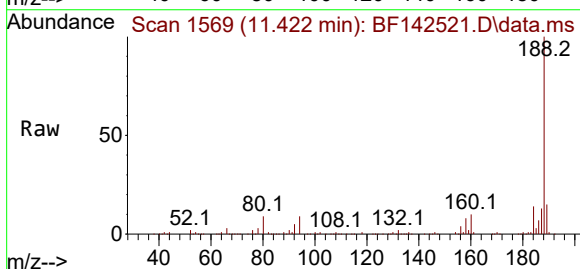
Tgt Ion:188 Resp: 240734

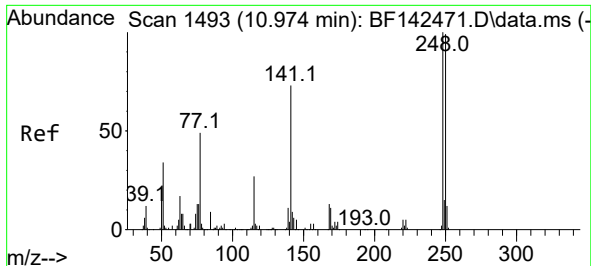
Ion Ratio Lower Upper

188 100

94 8.6 6.6 10.0

80 9.0 7.4 11.0

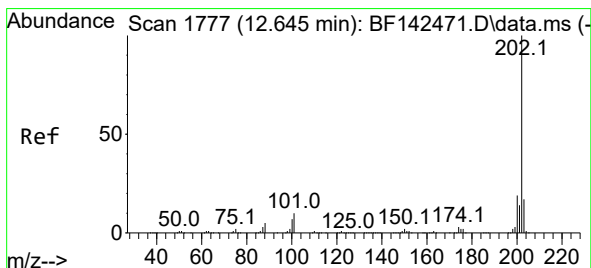
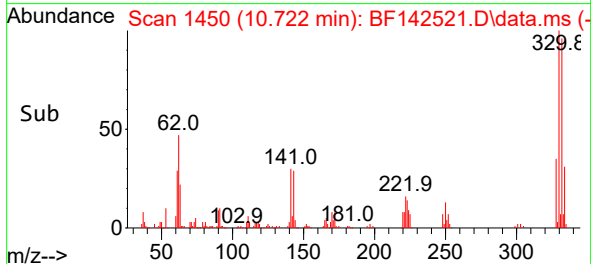
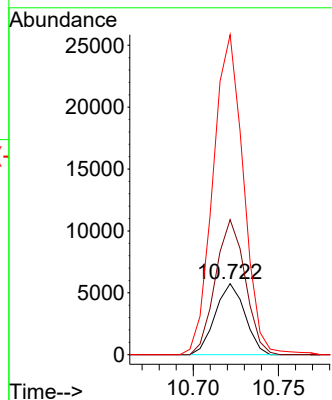
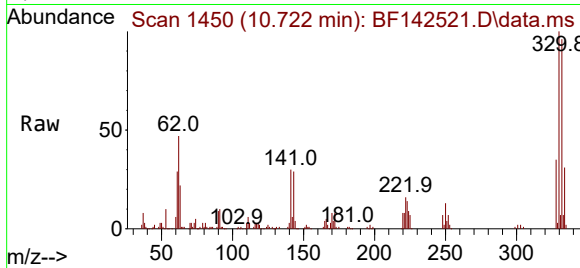




#67
4-Bromophenyl-phenylether
Concen: 2.445 ng
RT: 10.722 min Scan# 1493
Delta R.T. -0.253 min
Lab File: BF142521.D
Acq: 22 May 2025 20:25

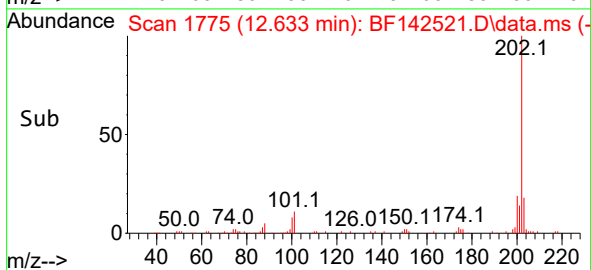
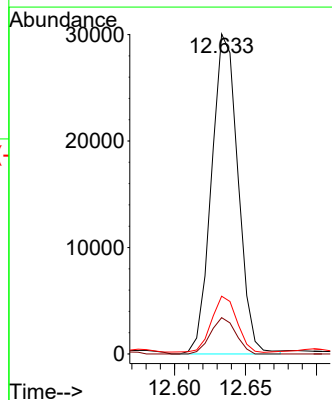
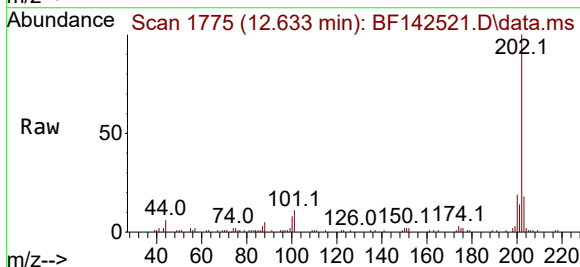
Instrument :
BNA_F
ClientSampleId :
WCS-TP2

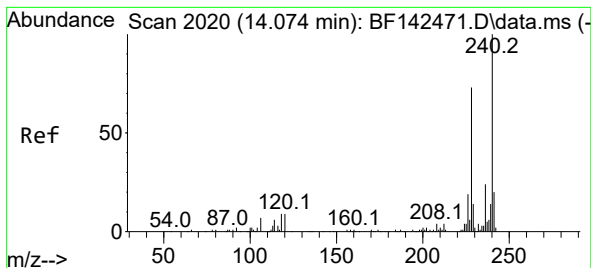
Tgt Ion:248 Resp: 6960
Ion Ratio Lower Upper
248 100
250 189.8 79.0 118.4#
141 450.0 58.4 87.6#



#75
Fluoranthene
Concen: 3.248 ng
RT: 12.633 min Scan# 1775
Delta R.T. -0.012 min
Lab File: BF142521.D
Acq: 22 May 2025 20:25

Tgt Ion:202 Resp: 39051
Ion Ratio Lower Upper
202 100
101 11.4 0.0 29.6
203 18.0 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: BF142521.D

Acq: 22 May 2025 20:25

Instrument :

BNA_F

ClientSampleId :

WCS-TP2

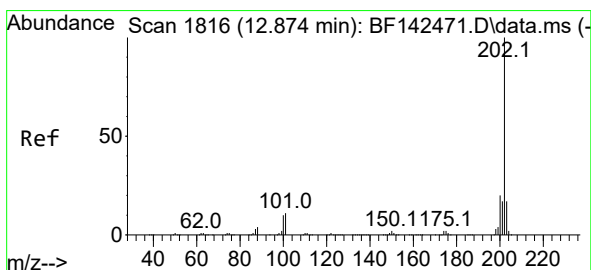
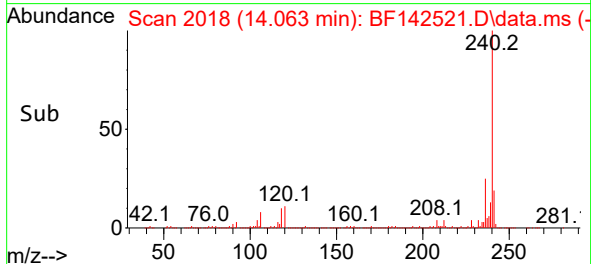
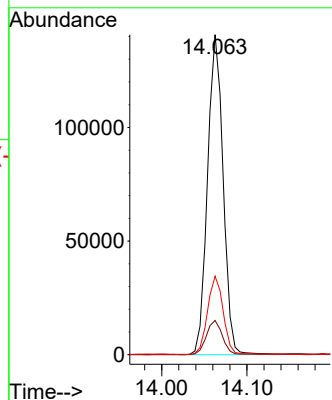
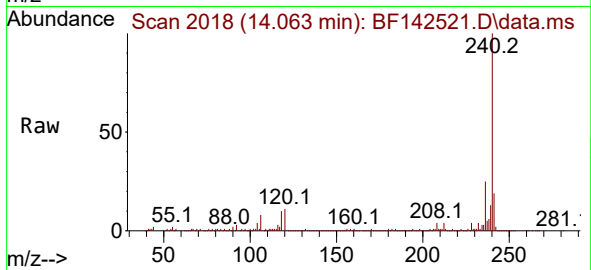
Tgt Ion:240 Resp: 179378

Ion Ratio Lower Upper

240 100

120 10.7 7.5 11.3

236 24.5 19.6 29.4



#78

Pyrene

Concen: 2.182 ng

RT: 12.863 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF142521.D

Acq: 22 May 2025 20:25

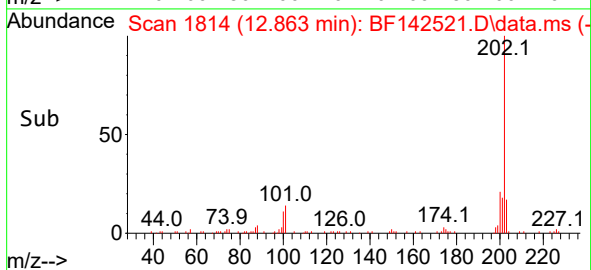
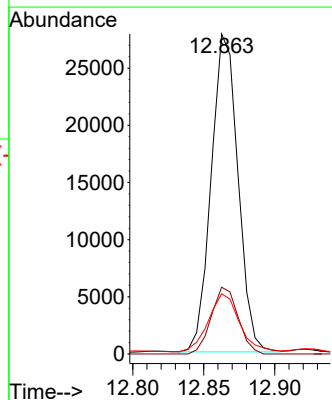
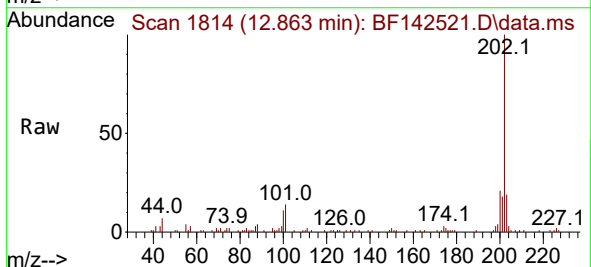
Tgt Ion:202 Resp: 36511

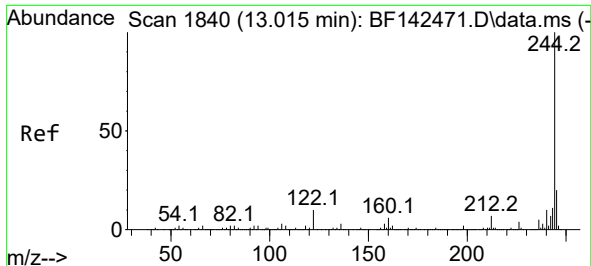
Ion Ratio Lower Upper

202 100

200 20.8 16.1 24.1

203 18.8 13.9 20.9

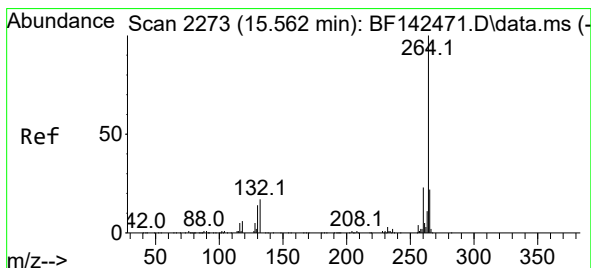
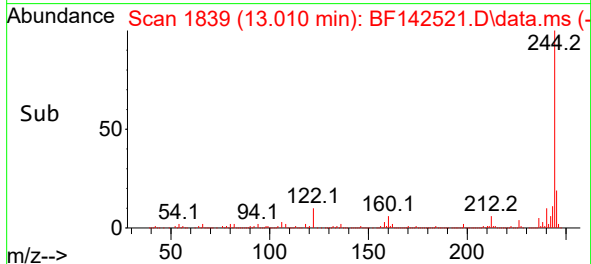
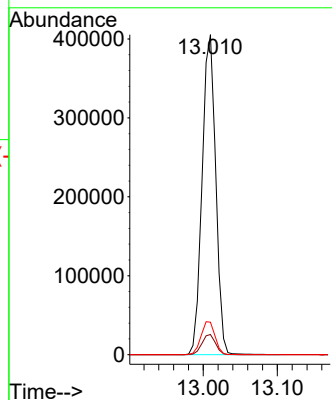
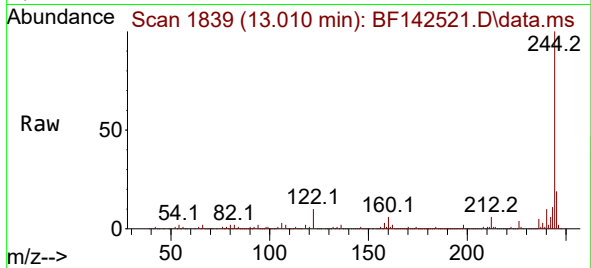




#79
 Terphenyl-d14
 Concen: 39.388 ng
 RT: 13.010 min Scan# 1840
 Delta R.T. -0.006 min
 Lab File: BF142521.D
 Acq: 22 May 2025 20:25

Instrument :
 BNA_F
 ClientSampleId :
 WCS-TP2

Tgt Ion:244 Resp: 517017
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.3 7.9
 122 10.2 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: BF142521.D
 Acq: 22 May 2025 20:25

Tgt Ion:264 Resp: 144086
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.6 28.0
 265 22.2 17.7 26.5

