

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052225\
 Data File : BF142523.D
 Acq On : 22 May 2025 21:22
 Operator : RC/JU
 Sample : Q2101-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1-MHE

Quant Time: May 23 01:24:31 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

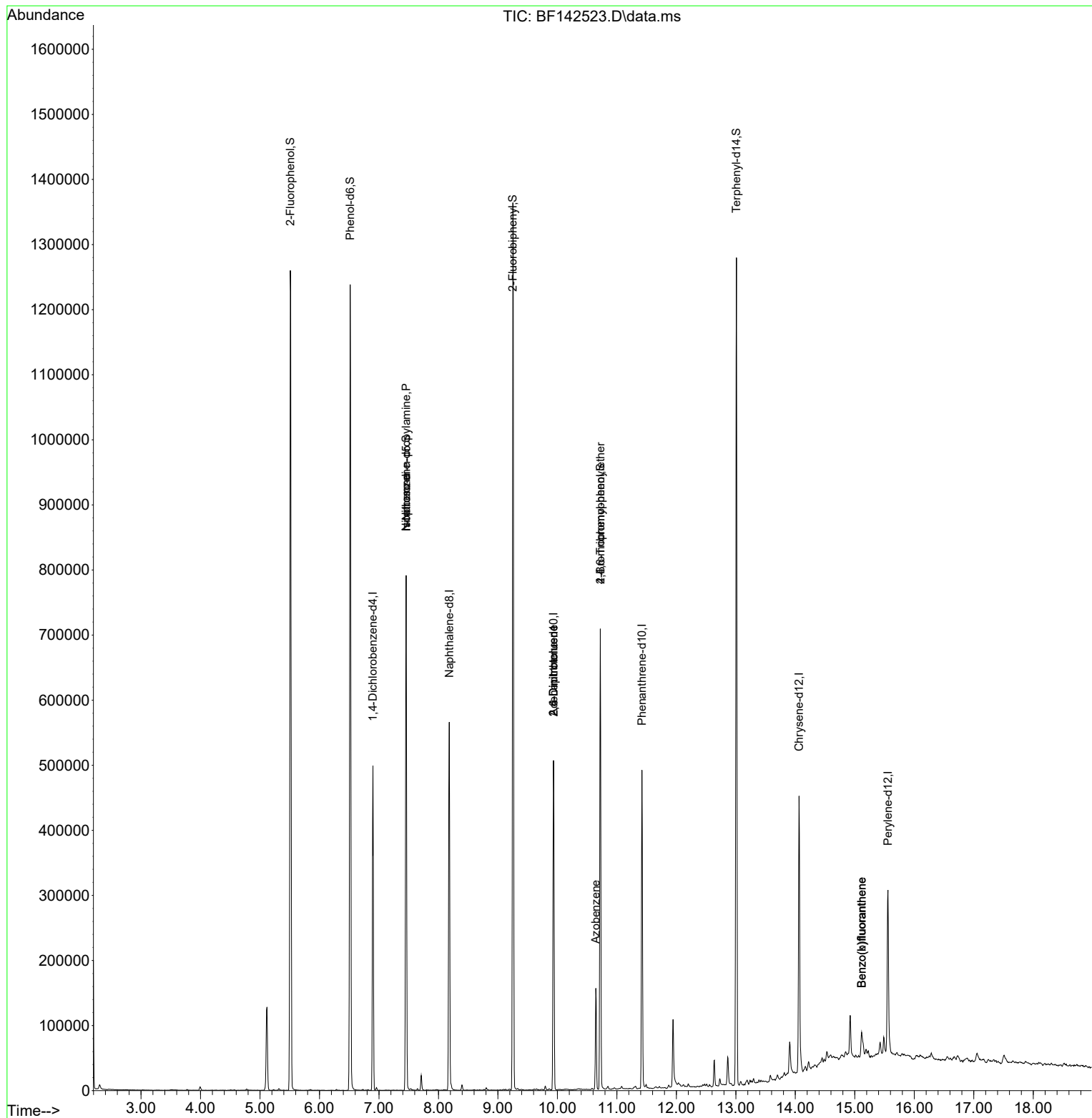
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	106646	20.000	ng	0.00
21) Naphthalene-d8	8.180	136	355186	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	151715	20.000	ng	-0.01
64) Phenanthrene-d10	11.421	188	248756	20.000	ng	-0.01
76) Chrysene-d12	14.062	240	192476	20.000	ng	-0.01
86) Perylene-d12	15.556	264	151080	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	494275	78.084	ng	0.00
7) Phenol-d6	6.516	99	573311	75.239	ng	-0.02
23) Nitrobenzene-d5	7.457	82	326290	50.093	ng	-0.02
42) 2,4,6-Tribromophenol	10.721	330	119375	70.894	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	629335	55.662	ng	-0.02
79) Terphenyl-d14	13.010	244	608702	43.217	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.457	70	43438	9.198	ng	# 77
25) Isophorone	7.457	82	309595	28.428	ng	# 63
51) 2,6-Dinitrotoluene	9.933	165	19723	9.128	ng	# 28
57) 2,4-Dinitrotoluene	9.933	165	19723	6.990	ng	# 28
63) Azobenzene	10.645	77	36900	4.202	ng	# 1
67) 4-Bromophenyl-phenylether	10.721	248	7216	2.453	ng	# 1
88) Benzo(b)fluoranthene	15.115	252	30171	3.374	ng	# 92
89) Benzo(k)fluoranthene	15.115	252	30263	3.614	ng	# 92

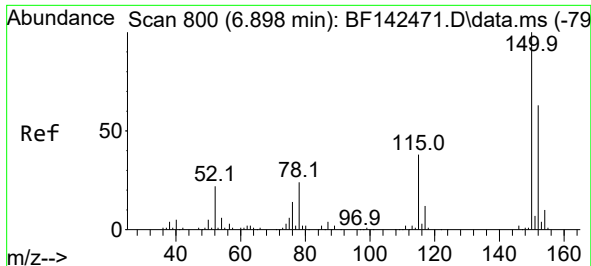
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052225\
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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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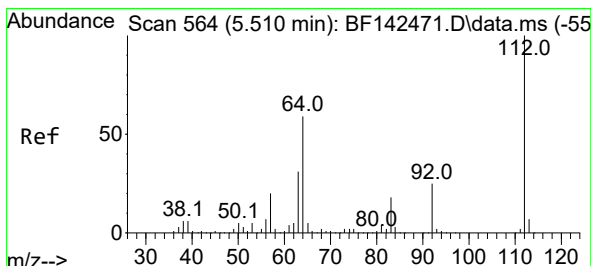
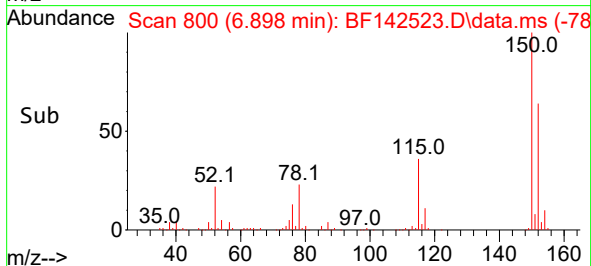
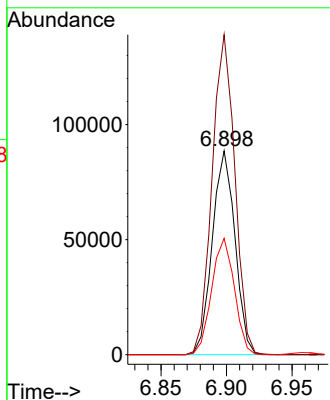
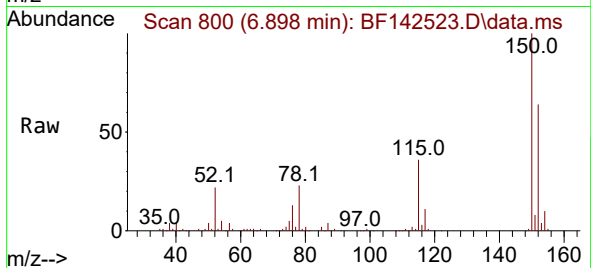




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF142523.D
Acq: 22 May 2025 21:22

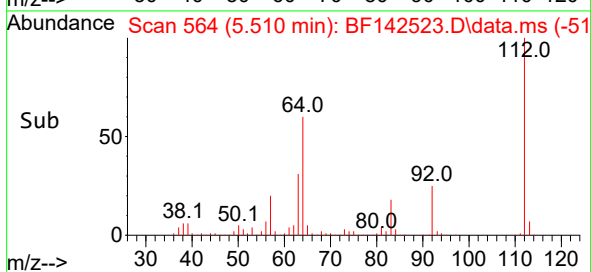
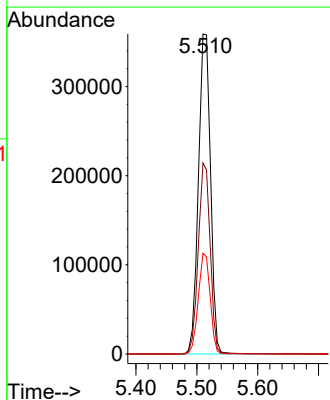
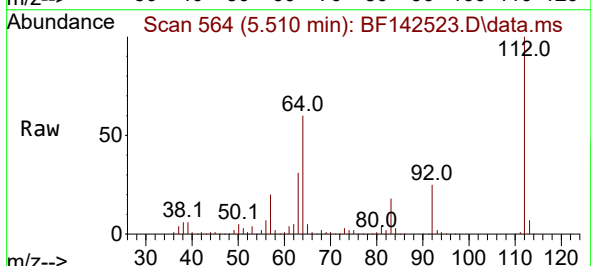
Instrument :
BNA_F
ClientSampleId :
TP-1-MHE

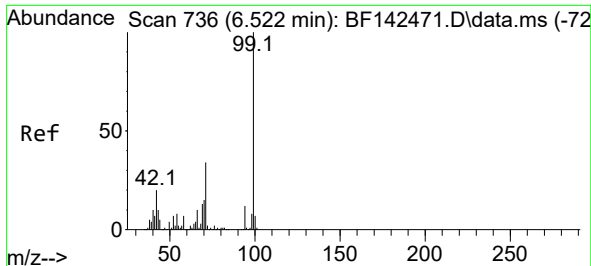
Tgt Ion:152 Resp: 106646
Ion Ratio Lower Upper
152 100
150 157.0 128.2 192.4
115 57.0 48.3 72.5



#5
2-Fluorophenol
Concen: 78.084 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142523.D
Acq: 22 May 2025 21:22

Tgt Ion:112 Resp: 494275
Ion Ratio Lower Upper
112 100
64 59.7 47.5 71.3
63 31.5 24.9 37.3

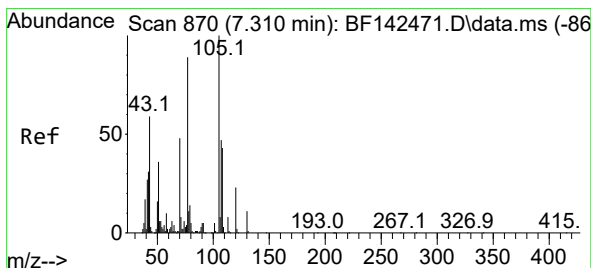
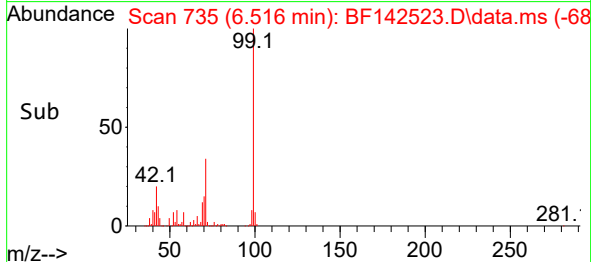
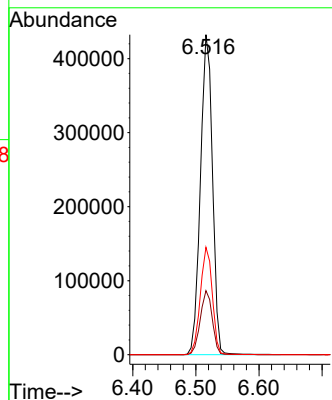
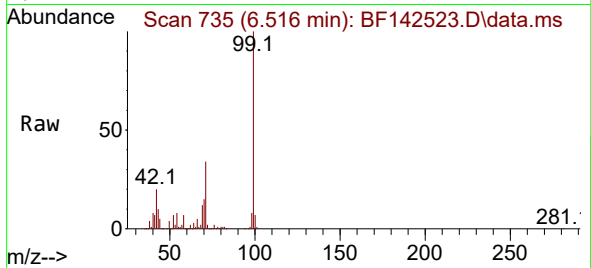




#7
Phenol-d6
Concen: 75.239 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF142523.D
Acq: 22 May 2025 21:22

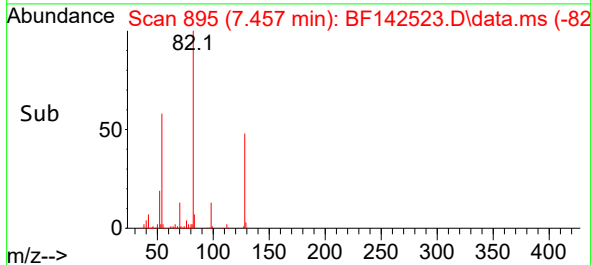
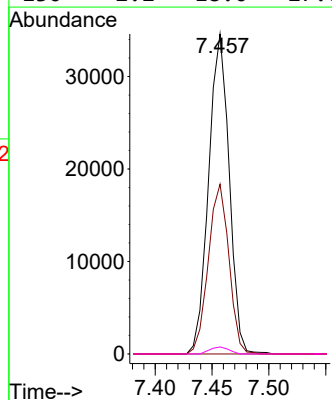
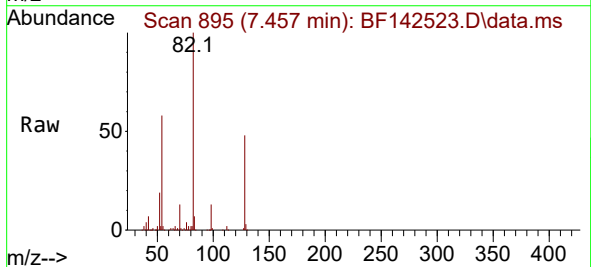
Instrument :
BNA_F
ClientSampleId :
TP-1-MHE

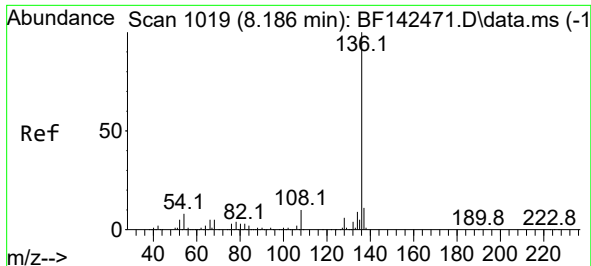
Tgt Ion: 99 Resp: 573311
Ion Ratio Lower Upper
99 100
42 20.0 16.2 24.2
71 33.6 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 9.198 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.129 min
Lab File: BF142523.D
Acq: 22 May 2025 21:22

Tgt Ion: 70 Resp: 43438
Ion Ratio Lower Upper
70 100
42 53.0 52.4 78.6
101 0.0 7.8 11.8#
130 2.2 18.0 27.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.180 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142523.D

Acq: 22 May 2025 21:22

Instrument :

BNA_F

ClientSampleId :

TP-1-MHE

Tgt Ion:136 Resp: 355186

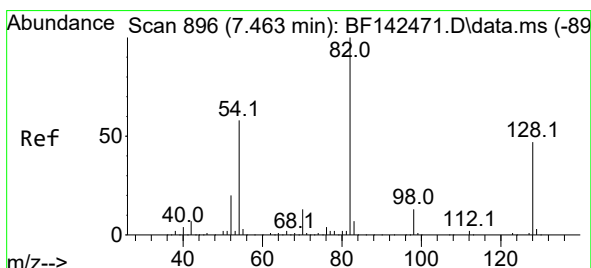
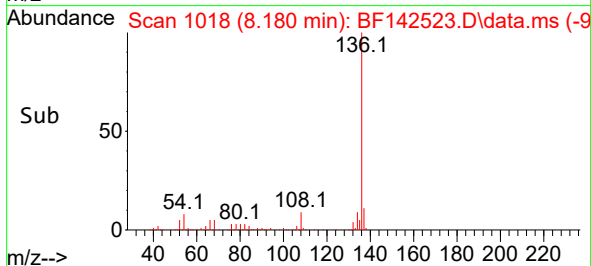
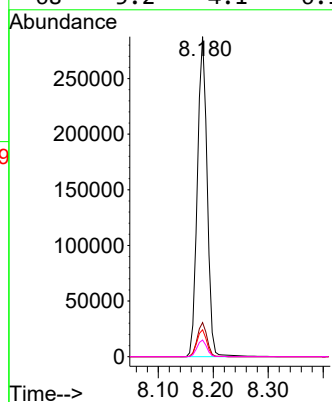
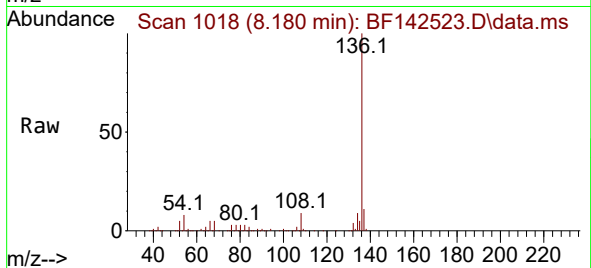
Ion Ratio Lower Upper

136 100

137 10.6 8.6 13.0

54 8.4 6.6 10.0

68 5.2 4.1 6.1



#23

Nitrobenzene-d5

Concen: 50.093 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.018 min

Lab File: BF142523.D

Acq: 22 May 2025 21:22

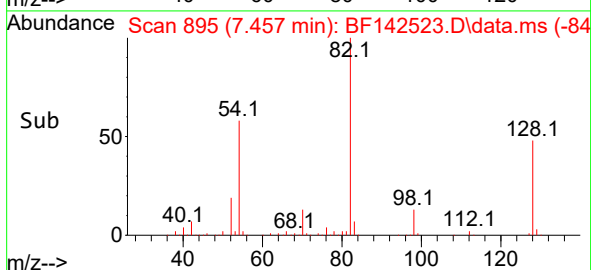
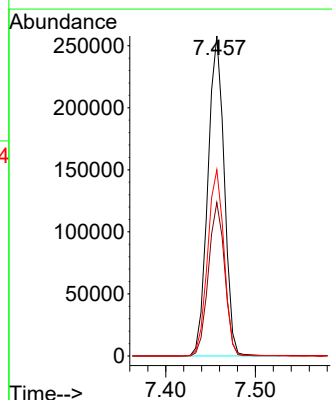
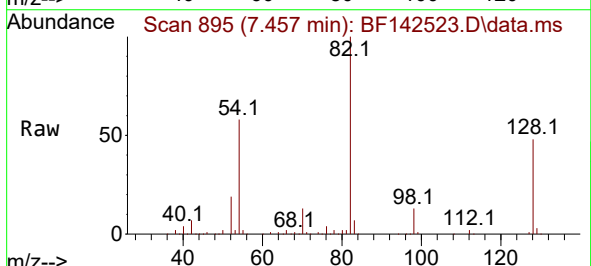
Tgt Ion: 82 Resp: 326290

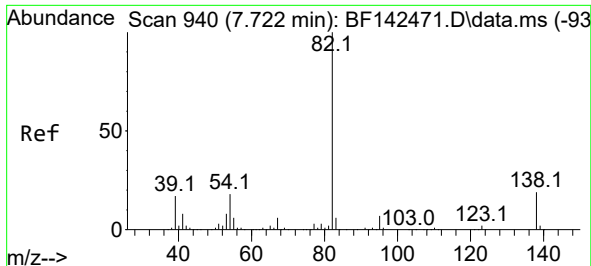
Ion Ratio Lower Upper

82 100

128 48.0 37.4 56.2

54 58.2 46.6 70.0

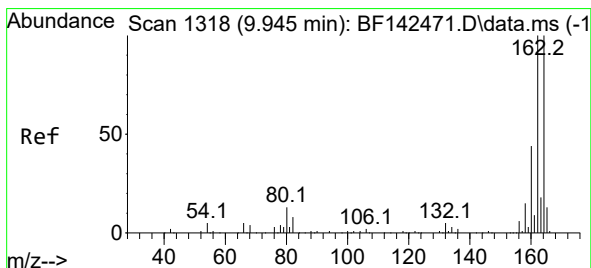
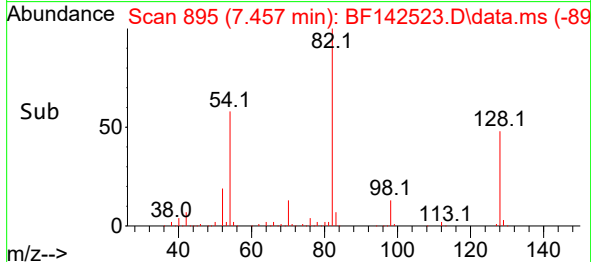
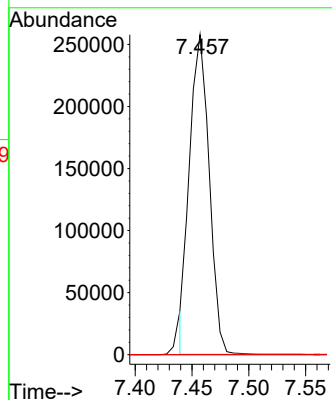
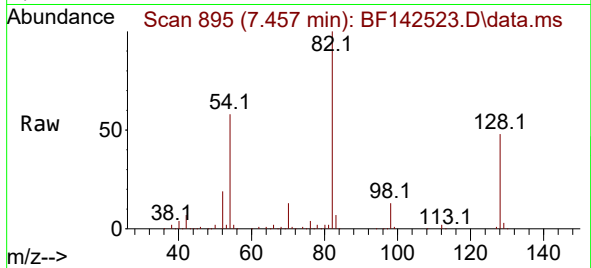




#25
Isophorone
Concen: 28.428 ng
RT: 7.457 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF142523.D
Acq: 22 May 2025 21:22

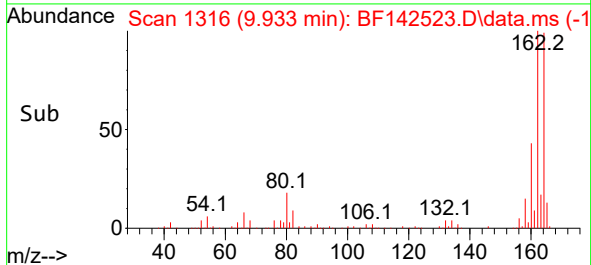
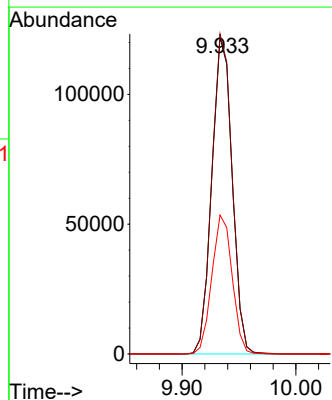
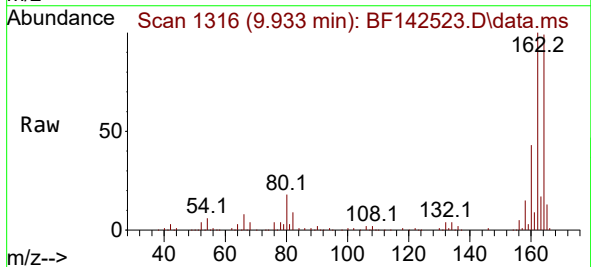
Instrument :
BNA_F
ClientSampleId :
TP-1-MHE

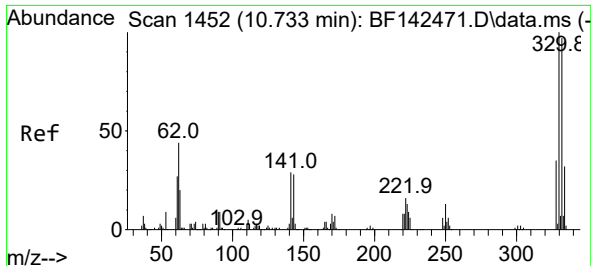
Tgt Ion: 82 Resp: 309595
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142523.D
Acq: 22 May 2025 21:22

Tgt Ion:164 Resp: 151715
Ion Ratio Lower Upper
164 100
162 101.0 80.2 120.4
160 43.8 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 70.894 ng

RT: 10.721 min Scan# 1452

Delta R.T. -0.018 min

Lab File: BF142523.D

Acq: 22 May 2025 21:22

Instrument :

BNA_F

ClientSampleId :

TP-1-MHE

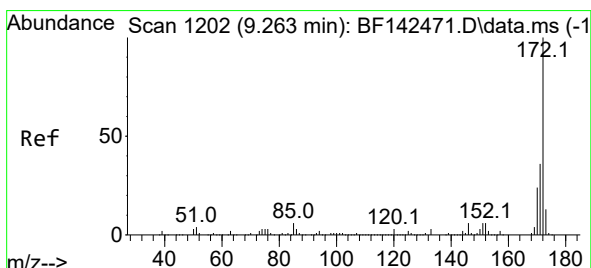
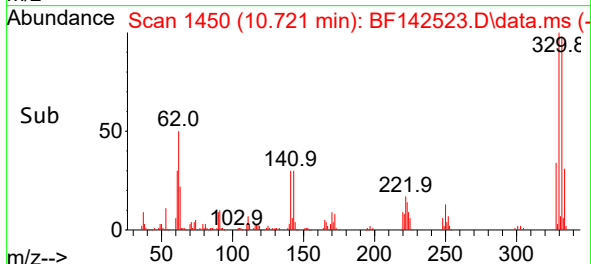
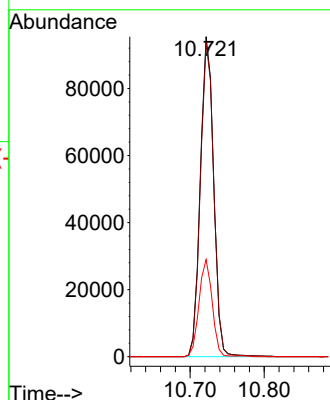
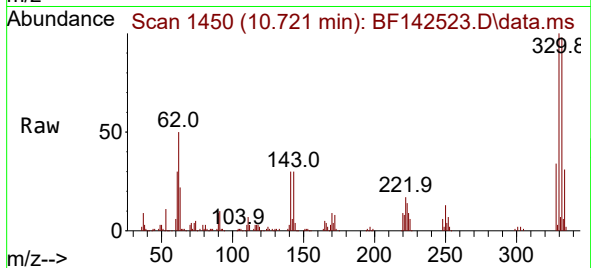
Tgt Ion:330 Resp: 119375

Ion Ratio Lower Upper

330 100

332 98.1 77.6 116.4

141 29.8 24.6 36.8



#45

2-Fluorobiphenyl

Concen: 55.662 ng

RT: 9.251 min Scan# 1200

Delta R.T. -0.018 min

Lab File: BF142523.D

Acq: 22 May 2025 21:22

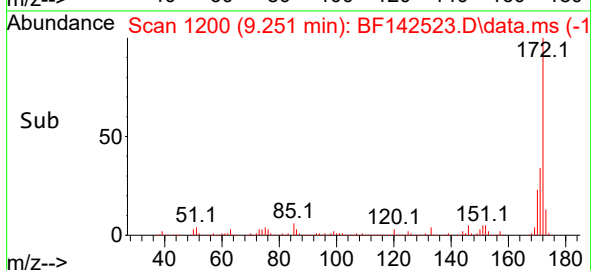
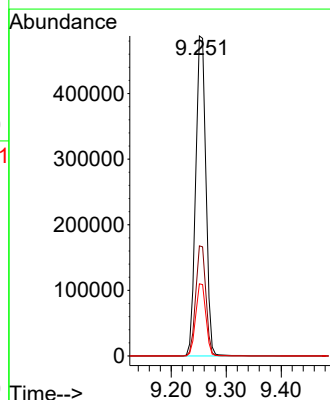
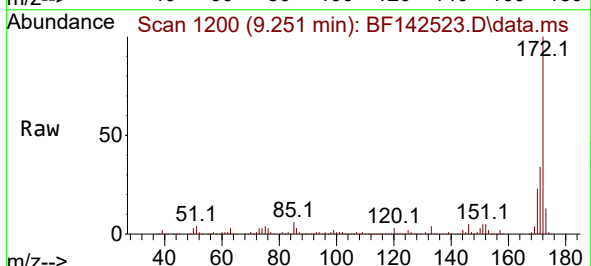
Tgt Ion:172 Resp: 629335

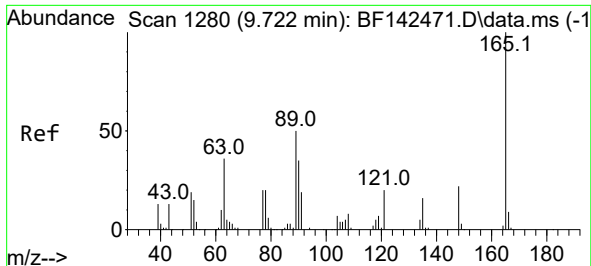
Ion Ratio Lower Upper

172 100

171 34.4 28.6 42.8

170 22.6 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 9.128 ng

RT: 9.933 min Scan# 1316

Delta R.T. 0.206 min

Lab File: BF142523.D

Acq: 22 May 2025 21:22

Instrument :

BNA_F

ClientSampleId :

TP-1-MHE

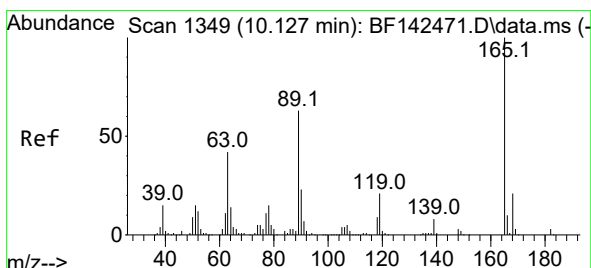
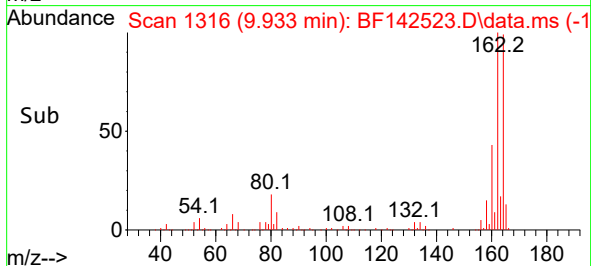
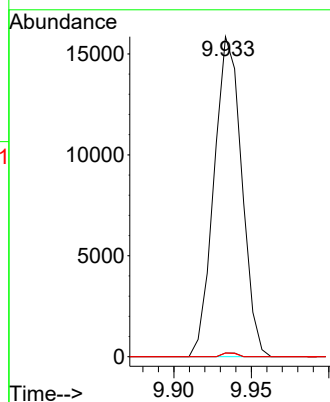
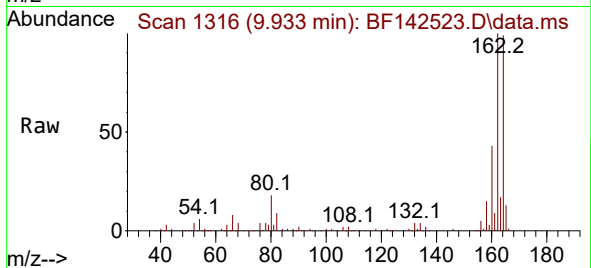
Tgt Ion:165 Resp: 19723

Ion Ratio Lower Upper

165 100

63 1.2 42.9 64.3#

89 1.1 40.2 60.4#



#57

2,4-Dinitrotoluene

Concen: 6.990 ng

RT: 9.933 min Scan# 1316

Delta R.T. -0.200 min

Lab File: BF142523.D

Acq: 22 May 2025 21:22

Tgt Ion:165 Resp: 19723

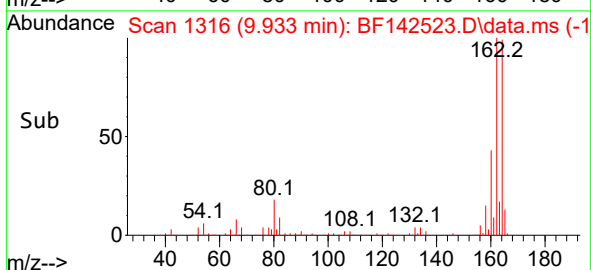
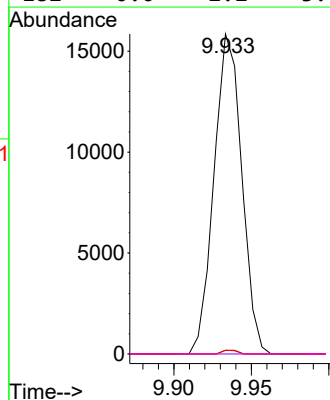
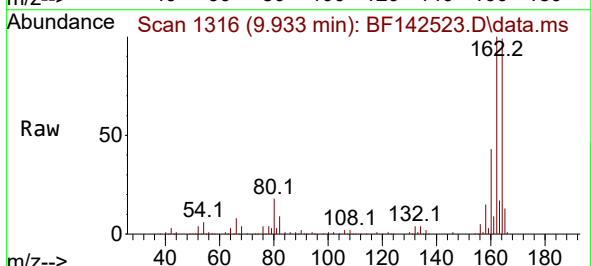
Ion Ratio Lower Upper

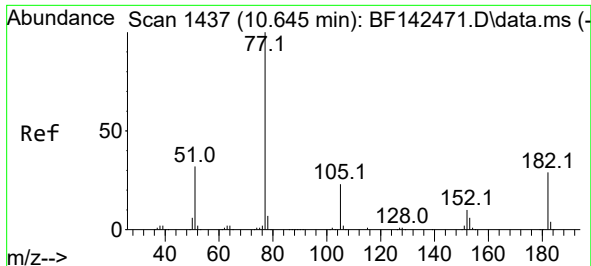
165 100

63 1.2 33.6 50.4#

89 1.1 50.2 75.4#

182 0.0 2.2 3.4#

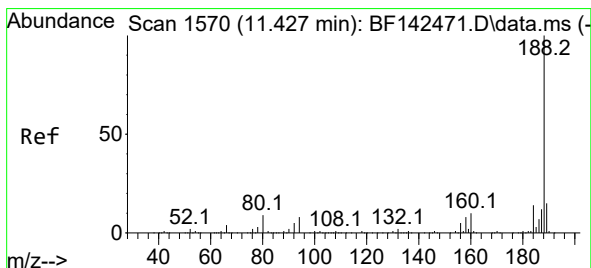
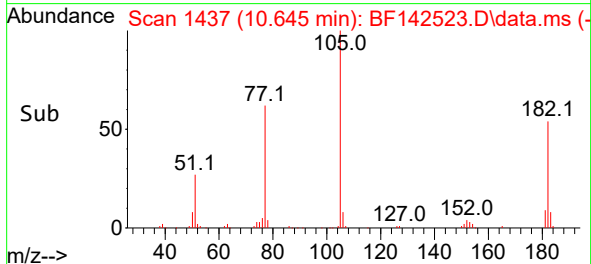
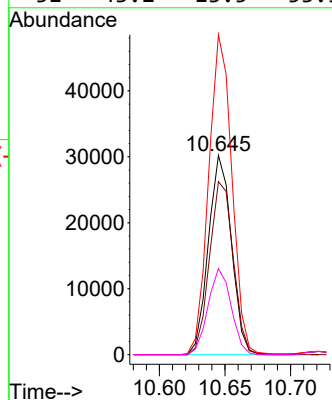
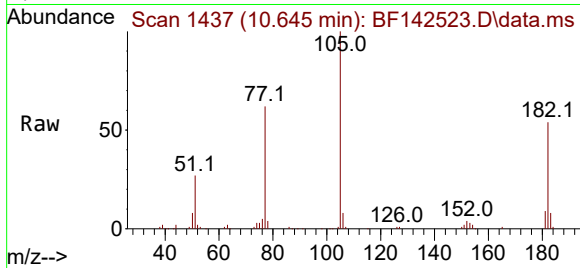




#63
Azobenzene
Concen: 4.202 ng
RT: 10.645 min Scan# 1437
Delta R.T. -0.000 min
Lab File: BF142523.D
Acq: 22 May 2025 21:22

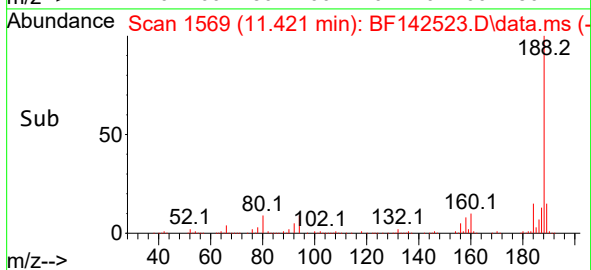
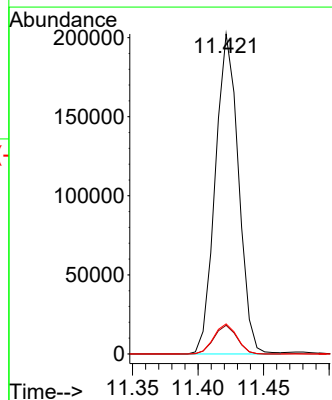
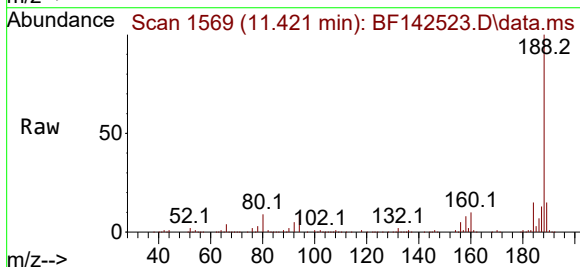
Instrument :
BNA_F
ClientSampleId :
TP-1-MHE

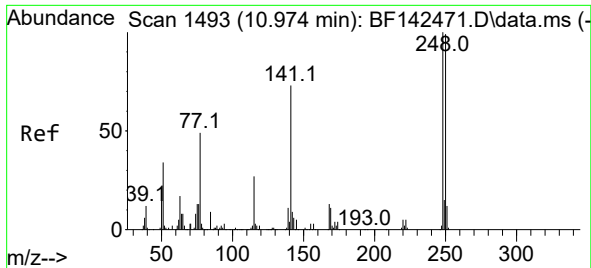
Tgt Ion: 77 Resp: 36900
Ion Ratio Lower Upper
77 100
182 86.8 9.0 49.0#
105 160.5 2.4 42.4#
51 43.2 13.5 53.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.421 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142523.D
Acq: 22 May 2025 21:22

Tgt Ion:188 Resp: 248756
Ion Ratio Lower Upper
188 100
94 9.0 6.6 10.0
80 9.4 7.4 11.0

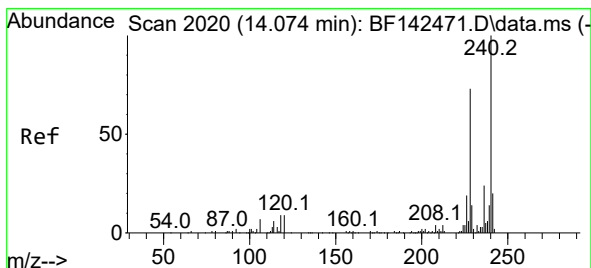
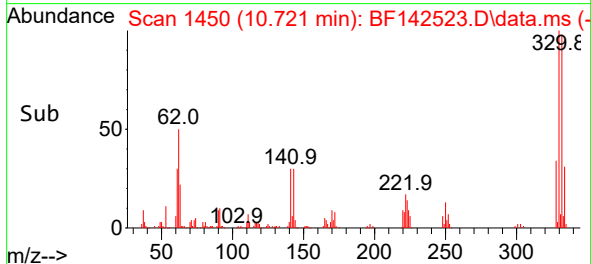
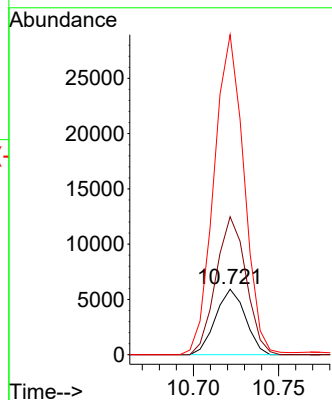
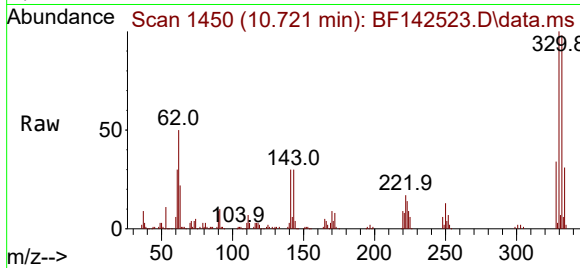




#67
4-Bromophenyl-phenylether
Concen: 2.453 ng
RT: 10.721 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF142523.D
Acq: 22 May 2025 21:22

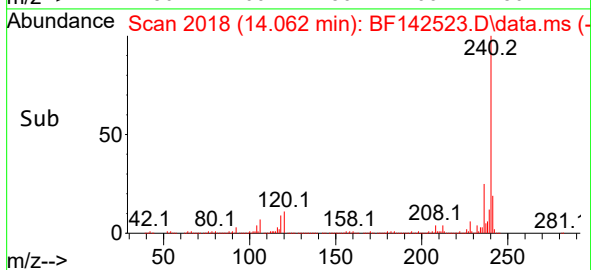
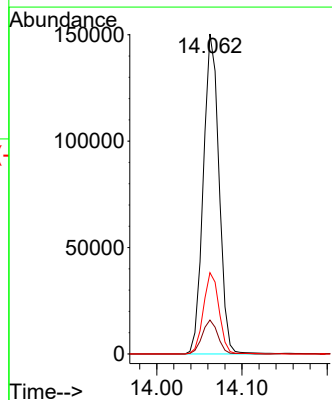
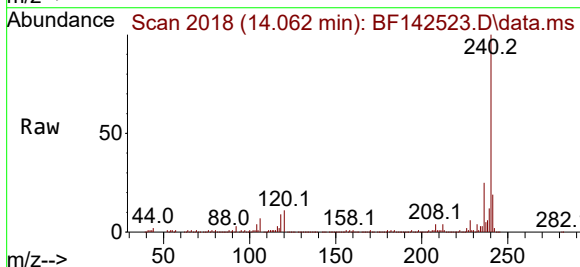
Instrument :
BNA_F
ClientSampleId :
TP-1-MHE

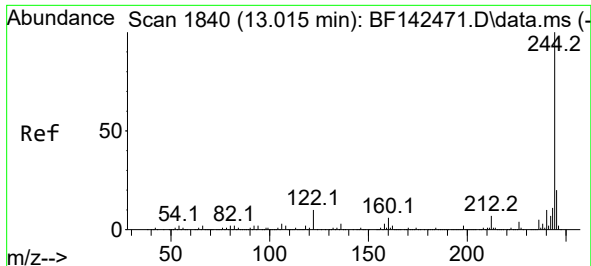
Tgt Ion:248 Resp: 7216
Ion Ratio Lower Upper
248 100
250 210.7 79.0 118.4#
141 489.1 58.4 87.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.062 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142523.D
Acq: 22 May 2025 21:22

Tgt Ion:240 Resp: 192476
Ion Ratio Lower Upper
240 100
120 10.6 7.5 11.3
236 25.4 19.6 29.4

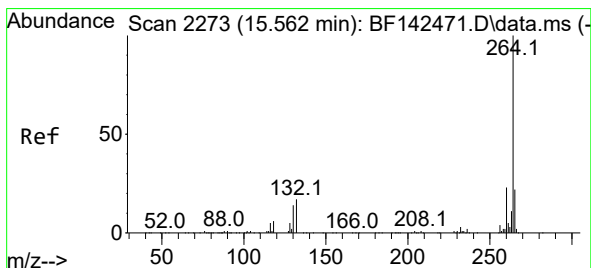
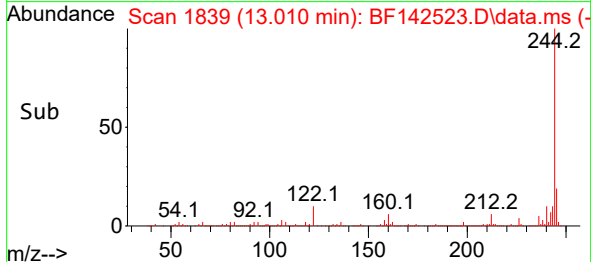
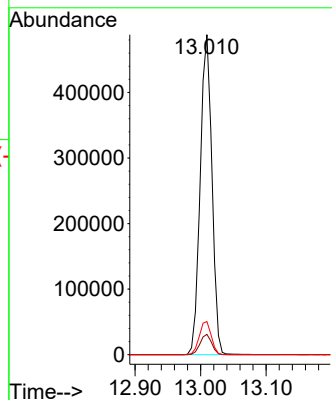
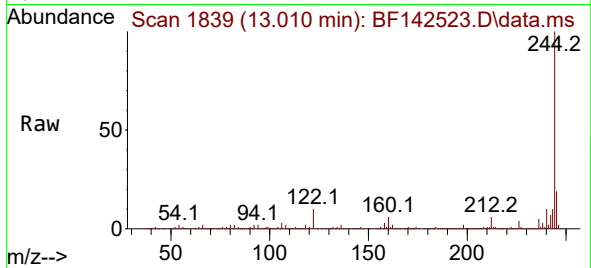




#79
 Terphenyl-d14
 Concen: 43.217 ng
 RT: 13.010 min Scan# 1839
 Delta R.T. -0.006 min
 Lab File: BF142523.D
 Acq: 22 May 2025 21:22

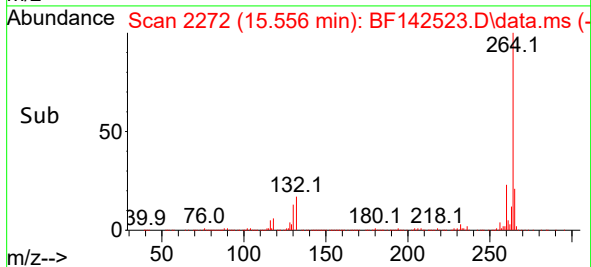
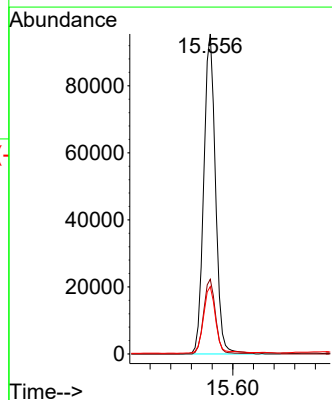
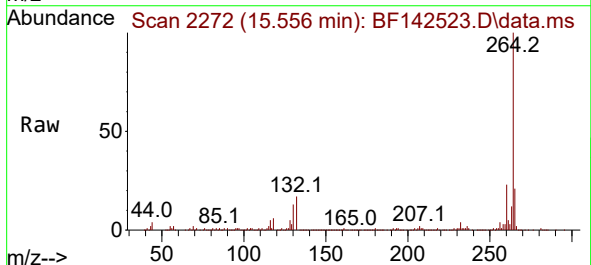
Instrument :
 BNA_F
 ClientSampleId :
 TP-1-MHE

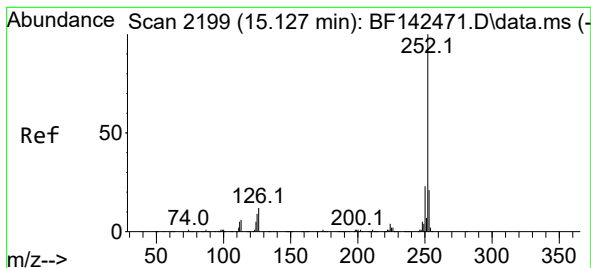
Tgt Ion:244 Resp: 608702
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.3 7.9
 122 10.3 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.556 min Scan# 2272
 Delta R.T. -0.012 min
 Lab File: BF142523.D
 Acq: 22 May 2025 21:22

Tgt Ion:264 Resp: 151080
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.6 28.0
 265 21.1 17.7 26.5





#88

Benzo(b)fluoranthene

Concen: 3.374 ng

RT: 15.115 min Scan# 2197

Delta R.T. -0.012 min

Lab File: BF142523.D

Acq: 22 May 2025 21:22

Instrument :

BNA_F

ClientSampleId :

TP-1-MHE

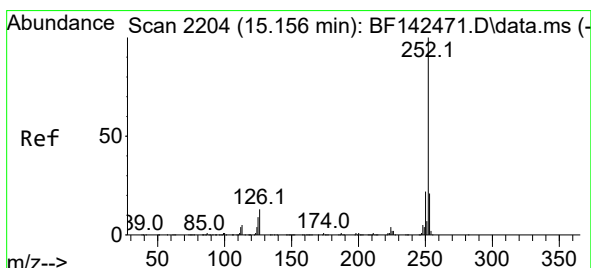
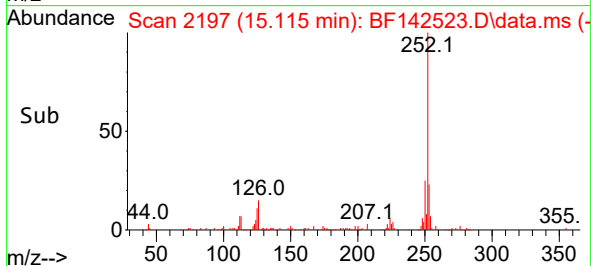
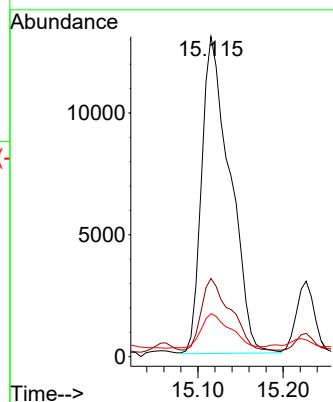
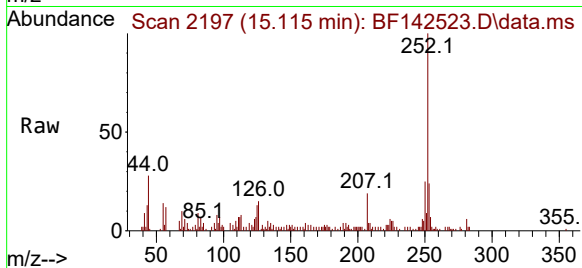
Tgt Ion:252 Resp: 30171

Ion Ratio Lower Upper

252 100

253 24.5 17.0 25.4

125 13.4 7.4 11.0#



#89

Benzo(k)fluoranthene

Concen: 3.614 ng

RT: 15.115 min Scan# 2197

Delta R.T. -0.047 min

Lab File: BF142523.D

Acq: 22 May 2025 21:22

Tgt Ion:252 Resp: 30263

Ion Ratio Lower Upper

252 100

253 24.5 17.0 25.4

125 13.4 7.3 10.9#

