

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051425\
 Data File : BF142370.D
 Acq On : 14 May 2025 17:15
 Operator : RC/JU
 Sample : Q2017-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-I

Quant Time: May 14 18:20:22 2025
 Quant Title :
 QLast Update : Mon May 05 18:41:44 2025
 Response via : Initial Calibration

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

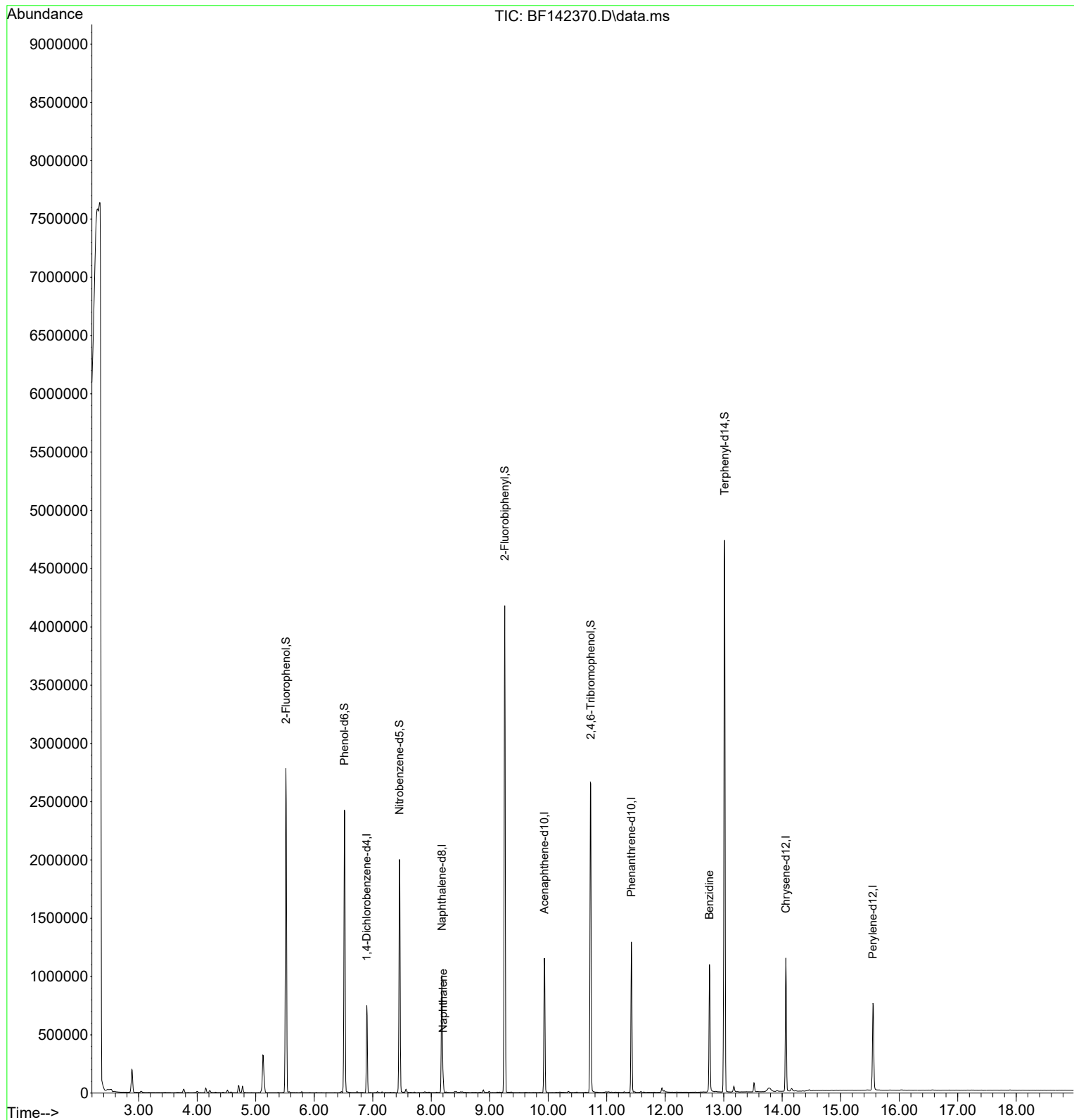
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	162519	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	618413	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	347969	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	671296	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	550765	20.000	ng	0.00
86) Perylene-d12	15.551	264	450933	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1088390	114.323	ng	0.00
7) Phenol-d6	6.516	99	1209517	103.296	ng	0.00
23) Nitrobenzene-d5	7.457	82	883208	87.101	ng	-0.01
42) 2,4,6-Tribromophenol	10.728	330	522917	155.650	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1887150	77.330	ng	0.00
79) Terphenyl-d14	13.016	244	2503455	67.277	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	8.204	128	73705	2.459	ng	98
77) Benzidine	12.757	184	605285	60.474	ng	98

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

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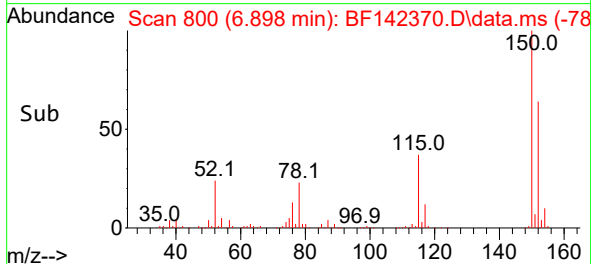
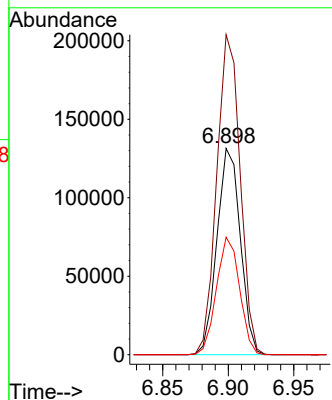
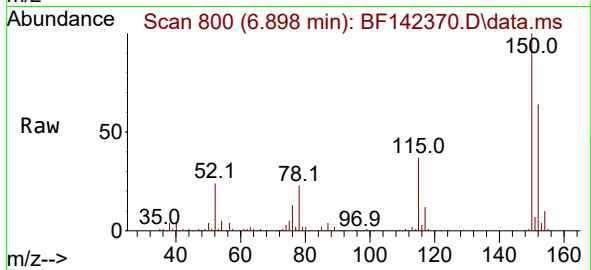




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 801
Delta R.T. -0.006 min
Lab File: BF142370.D
Acq: 14 May 2025 17:15

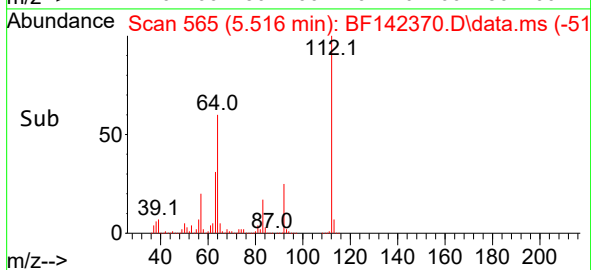
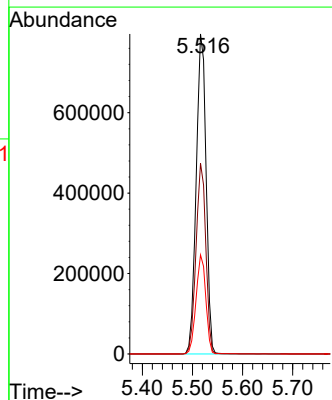
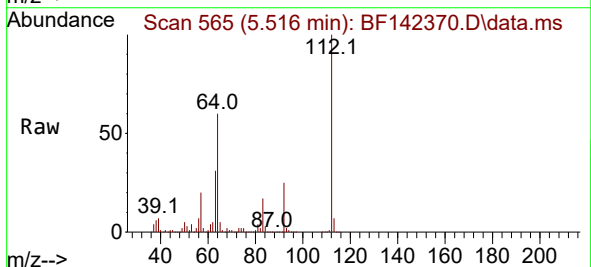
Instrument :
BNA_F
ClientSampleId :
MH-I

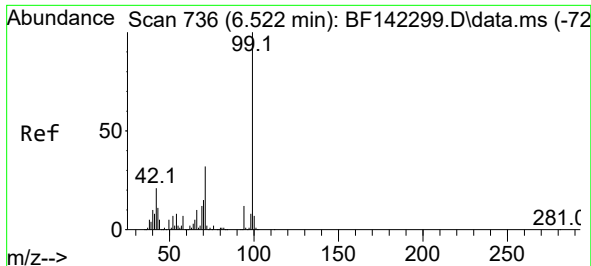
Tgt Ion:152 Resp: 162519
Ion Ratio Lower Upper
152 100
150 155.1 126.6 190.0
115 56.9 47.3 70.9



#5
2-Fluorophenol
Concen: 114.323 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF142370.D
Acq: 14 May 2025 17:15

Tgt Ion:112 Resp: 1088390
Ion Ratio Lower Upper
112 100
64 59.6 48.9 73.3
63 31.0 25.6 38.4

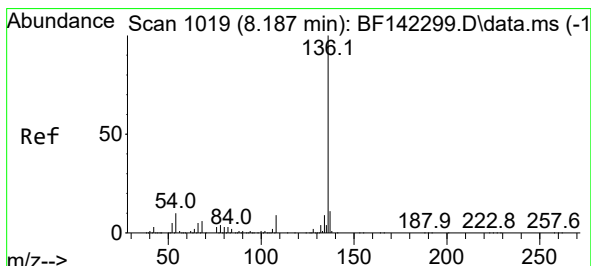
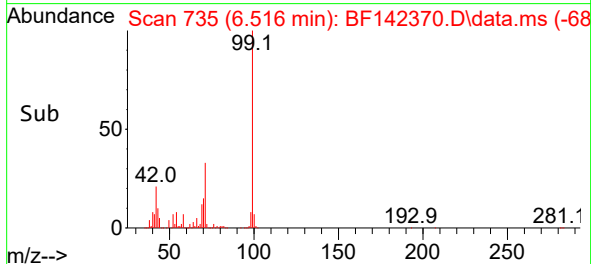
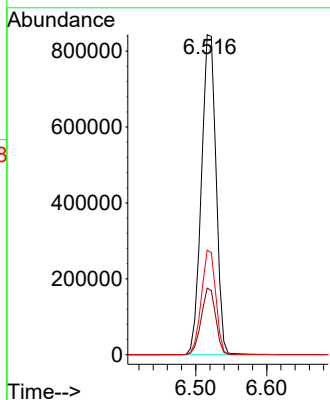
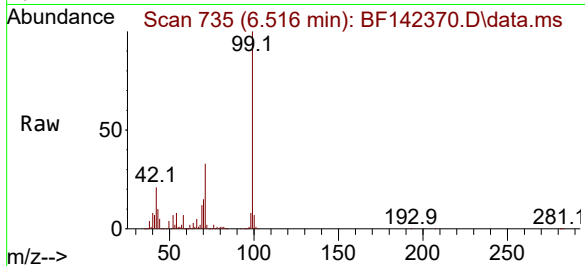




#7
Phenol-d6
Concen: 103.296 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142370.D
Acq: 14 May 2025 17:15

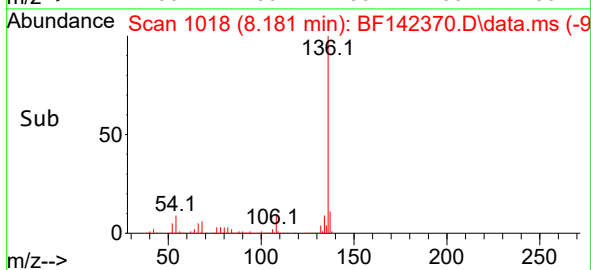
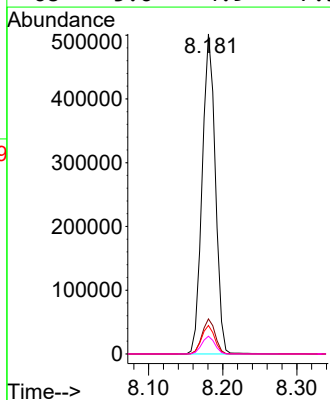
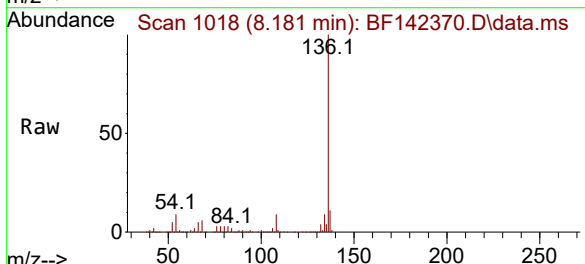
Instrument :
BNA_F
ClientSampleId :
MH-I

Tgt Ion: 99 Resp: 1209517
Ion Ratio Lower Upper
99 100
42 20.8 17.0 25.4
71 32.6 25.8 38.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142370.D
Acq: 14 May 2025 17:15

Tgt Ion: 136 Resp: 618413
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 8.9 7.7 11.5
68 5.6 4.9 7.3





#23

Nitrobenzene-d5

Concen: 87.101 ng

RT: 7.457 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF142370.D

Acq: 14 May 2025 17:15

Instrument :

BNA_F

ClientSampleId :

MH-I

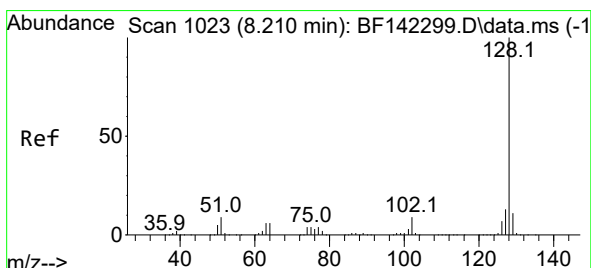
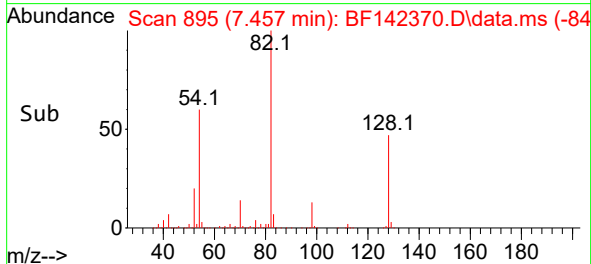
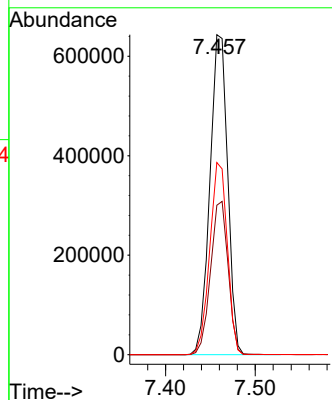
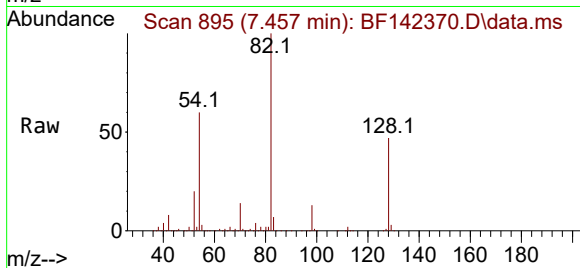
Tgt Ion: 82 Resp: 883208

Ion Ratio Lower Upper

82 100

128 46.7 37.0 55.6

54 60.0 48.6 73.0



#31

Naphthalene

Concen: 2.459 ng

RT: 8.204 min Scan# 1022

Delta R.T. -0.006 min

Lab File: BF142370.D

Acq: 14 May 2025 17:15

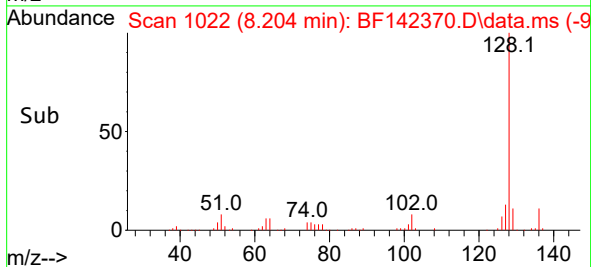
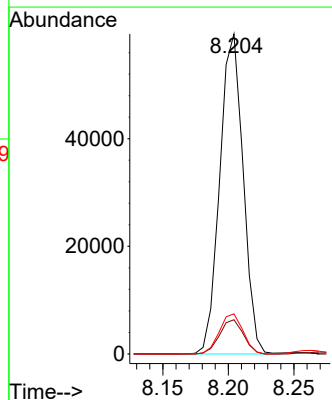
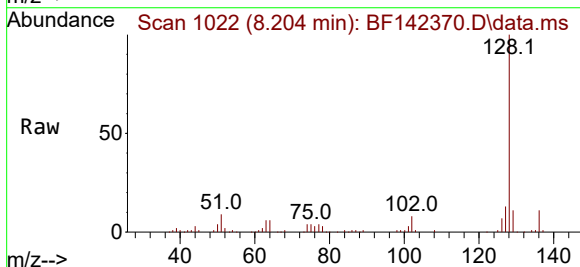
Tgt Ion:128 Resp: 73705

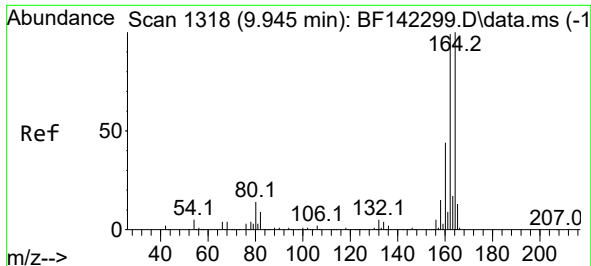
Ion Ratio Lower Upper

128 100

129 10.7 9.1 13.7

127 12.6 10.5 15.7

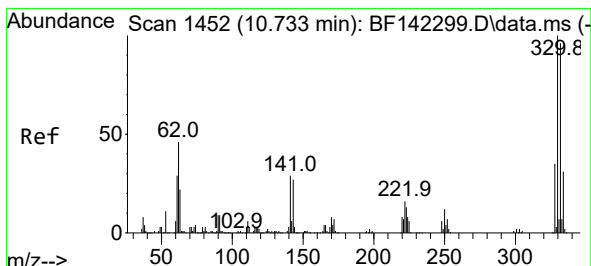
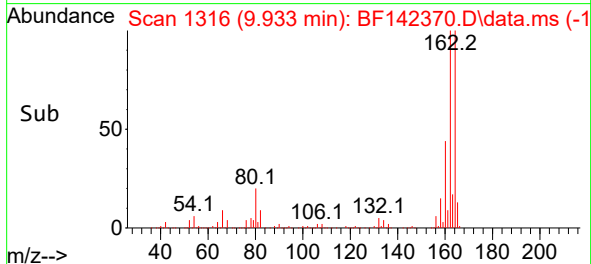
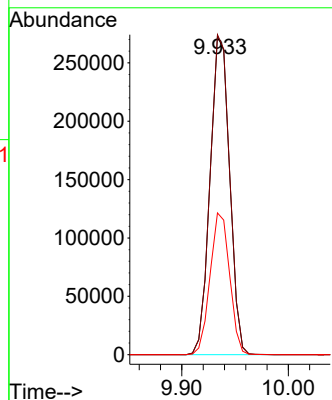
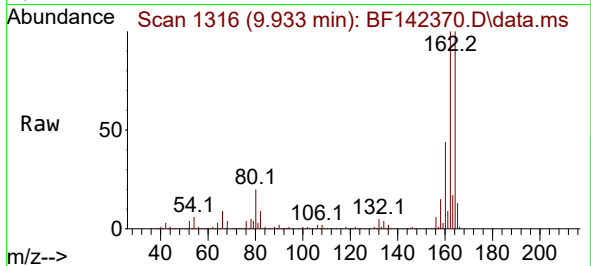




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142370.D
Acq: 14 May 2025 17:15

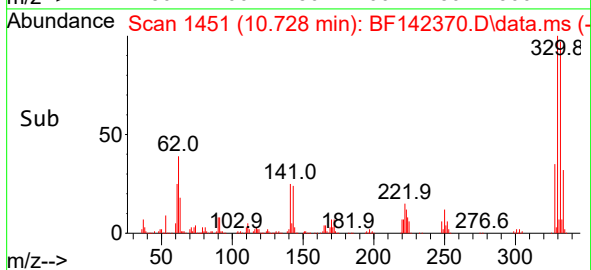
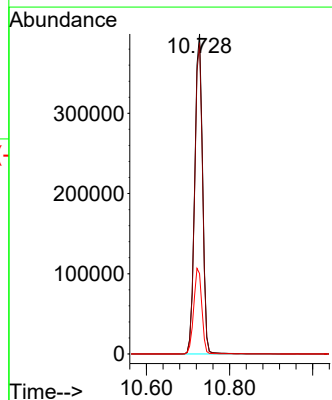
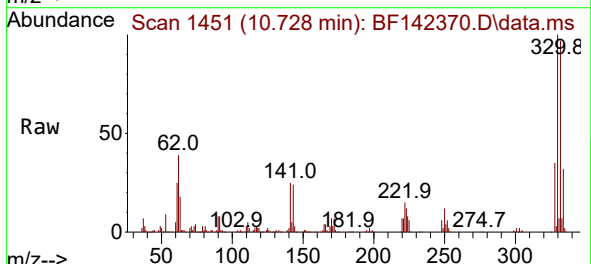
Instrument :
BNA_F
ClientSampleId :
MH-I

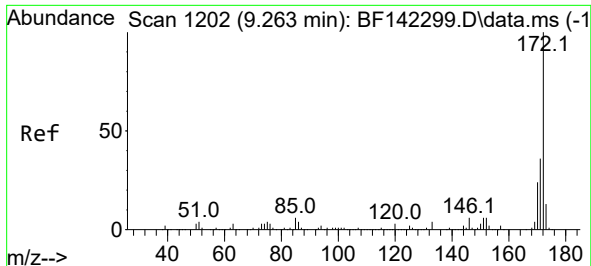
Tgt Ion:164 Resp: 347969
Ion Ratio Lower Upper
164 100
162 100.3 79.2 118.8
160 44.4 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 155.650 ng
RT: 10.728 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142370.D
Acq: 14 May 2025 17:15

Tgt Ion:330 Resp: 522917
Ion Ratio Lower Upper
330 100
332 97.0 76.8 115.2
141 27.5 24.9 37.3





#45

2-Fluorobiphenyl

Concen: 77.330 ng

RT: 9.257 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142370.D

Acq: 14 May 2025 17:15

Instrument :

BNA_F

ClientSampleId :

MH-I

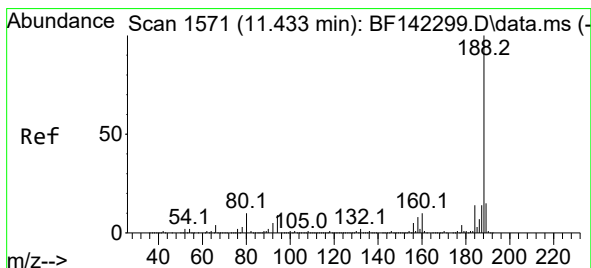
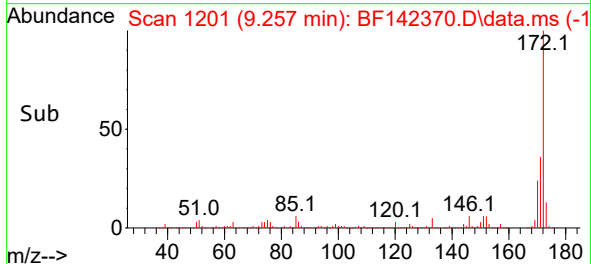
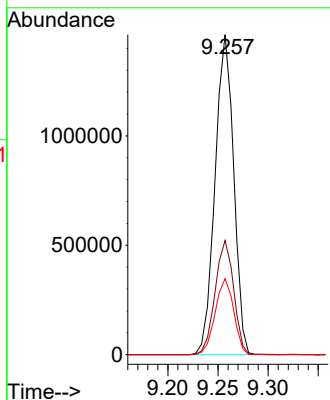
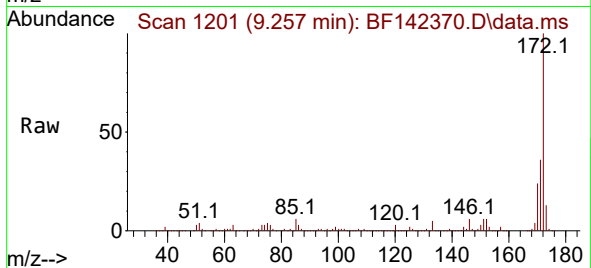
Tgt Ion:172 Resp: 1887150

Ion Ratio Lower Upper

172 100

171 35.7 28.6 42.8

170 23.7 19.0 28.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1569

Delta R.T. -0.012 min

Lab File: BF142370.D

Acq: 14 May 2025 17:15

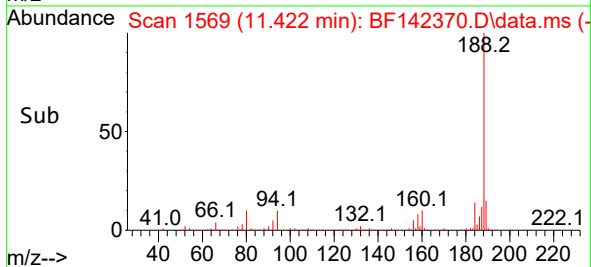
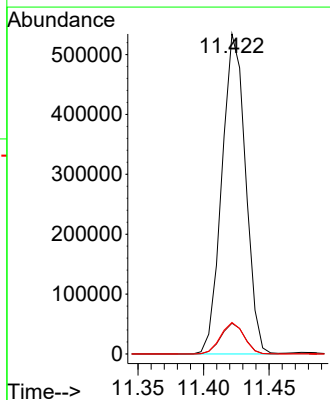
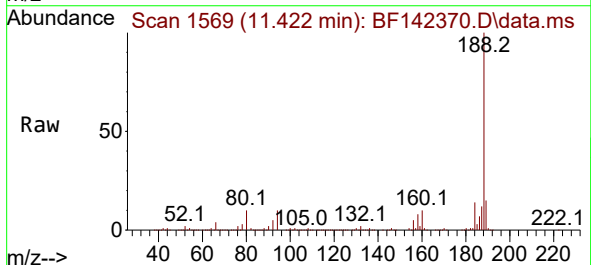
Tgt Ion:188 Resp: 671296

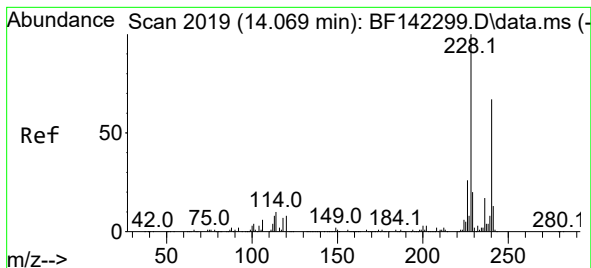
Ion Ratio Lower Upper

188 100

94 9.6 7.5 11.3

80 9.9 7.9 11.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142370.D

Acq: 14 May 2025 17:15

Instrument :

BNA_F

ClientSampleId :

MH-I

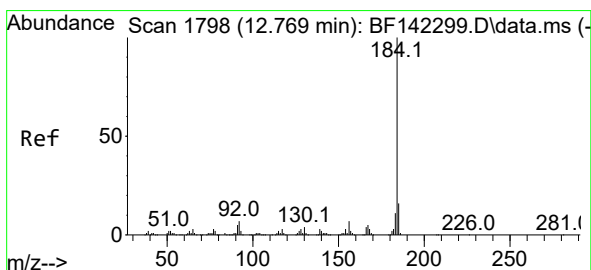
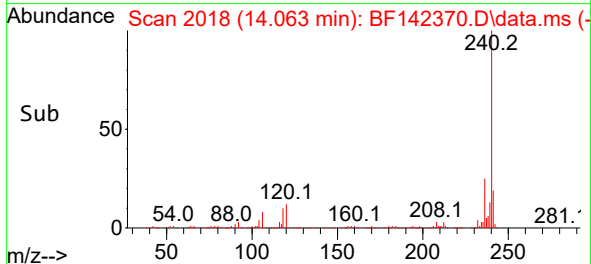
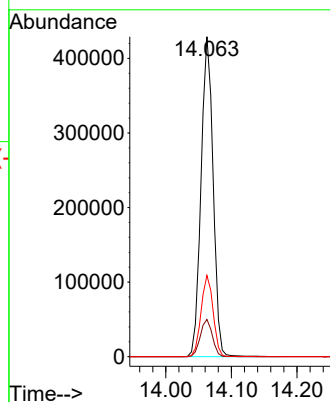
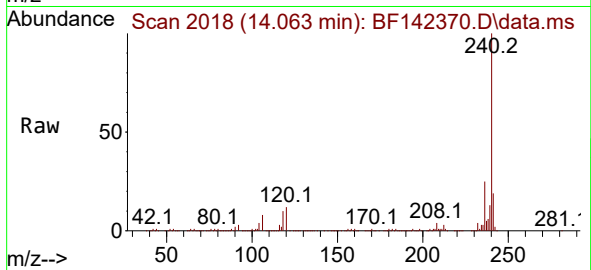
Tgt Ion:240 Resp: 550765

Ion Ratio Lower Upper

240 100

120 11.7 9.7 14.5

236 25.4 20.0 30.0



#77

Benzdine

Concen: 60.474 ng

RT: 12.757 min Scan# 1796

Delta R.T. -0.012 min

Lab File: BF142370.D

Acq: 14 May 2025 17:15

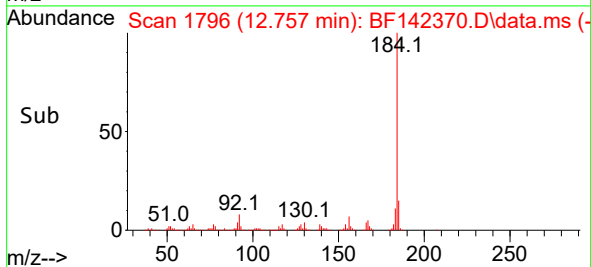
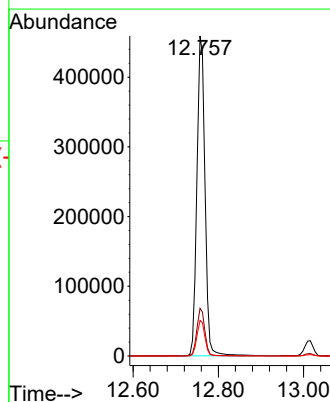
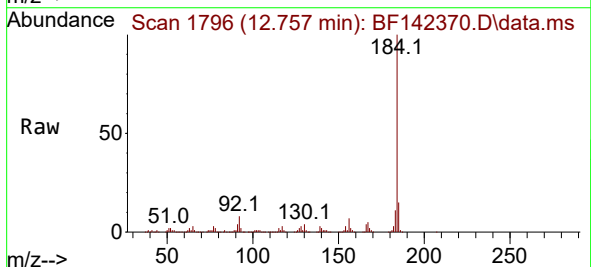
Tgt Ion:184 Resp: 605285

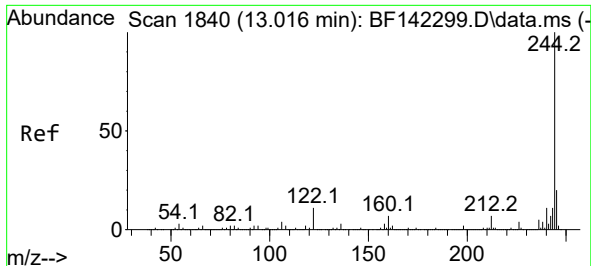
Ion Ratio Lower Upper

184 100

185 14.9 12.6 18.8

183 11.1 8.6 12.8

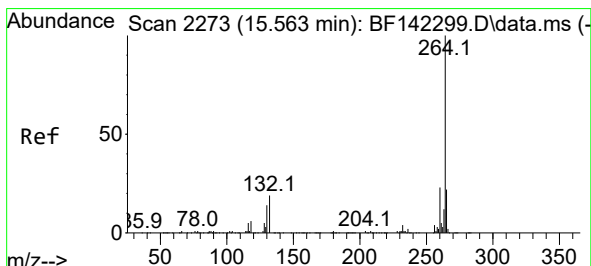
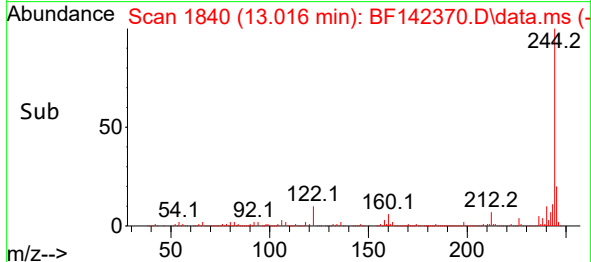
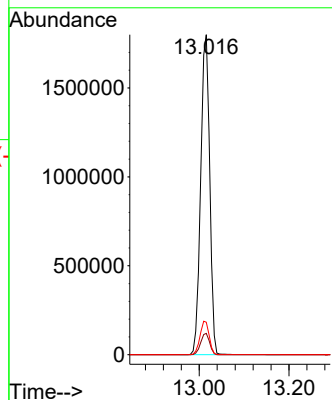
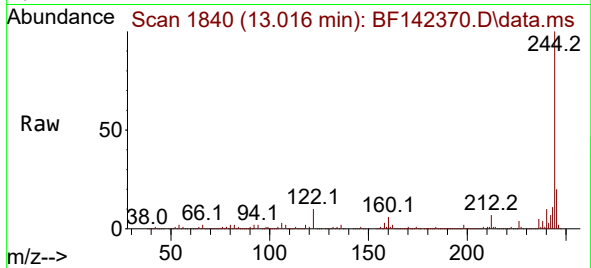




#79
 Terphenyl-d14
 Concen: 67.277 ng
 RT: 13.016 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF142370.D
 Acq: 14 May 2025 17:15

Instrument :
 BNA_F
 ClientSampleId :
 MH-I

Tgt Ion:244 Resp: 2503455
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.2
 122 10.1 9.0 13.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.551 min Scan# 2271
 Delta R.T. -0.012 min
 Lab File: BF142370.D
 Acq: 14 May 2025 17:15

Tgt Ion:264 Resp: 450933
 Ion Ratio Lower Upper
 264 100
 260 23.8 18.6 27.8
 265 21.3 17.5 26.3

