

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052125\
 Data File : BF142492.D
 Acq On : 21 May 2025 17:39
 Operator : RC/JU
 Sample : Q2080-07
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-HRH-COMP-02

Quant Time: May 21 18:46:58 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)

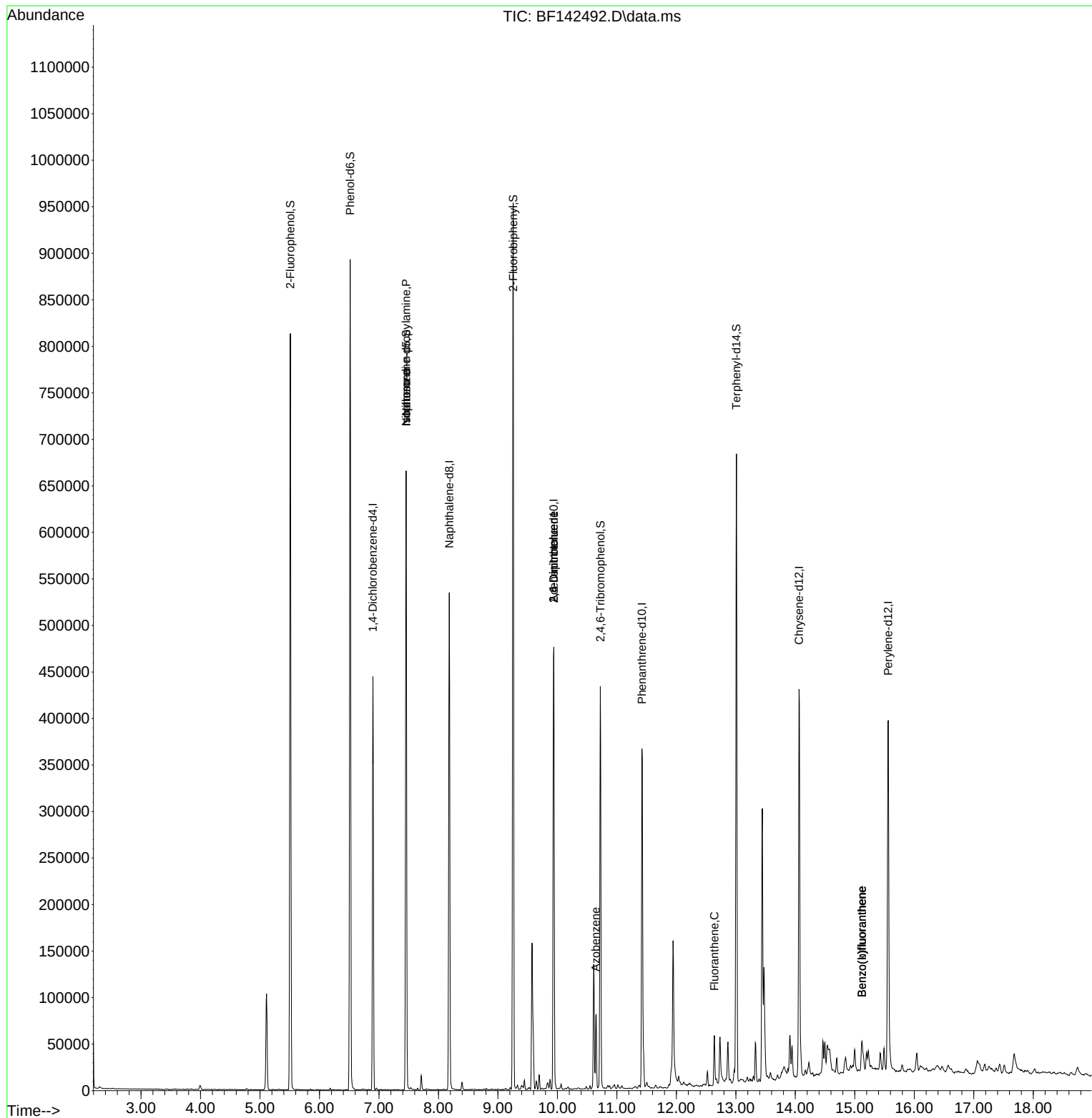
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	94046	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	339995	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	149265	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	196965	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	198206	20.000	ng	-0.01
86) Perylene-d12	15.562	264	228832	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	296955	53.197	ng	0.00
7) Phenol-d6	6.516	99	394069	58.645	ng	-0.02
23) Nitrobenzene-d5	7.457	82	273456	43.857	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	72190	43.576	ng	-0.02
45) 2-Fluorobiphenyl	9.257	172	430265	38.680	ng	-0.01
79) Terphenyl-d14	13.010	244	321398	22.159	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	36042	8.655	ng	# 76
25) Isophorone	7.457	82	260370	24.976	ng	# 63
51) 2,6-Dinitrotoluene	9.939	165	18528	8.716	ng	# 28
57) 2,4-Dinitrotoluene	9.939	165	18528	6.674	ng	# 28
63) Azobenzene	10.645	77	19634	2.273	ng	# 1
75) Fluoranthene	12.639	202	30084	3.059	ng	# 99
88) Benzo(b)fluoranthene	15.121	252	29765	2.198	ng	# 93
89) Benzo(k)fluoranthene	15.121	252	29765	2.346	ng	# 93

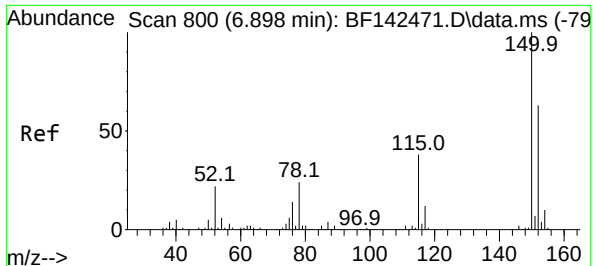
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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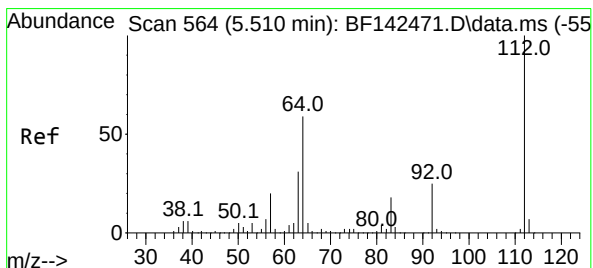
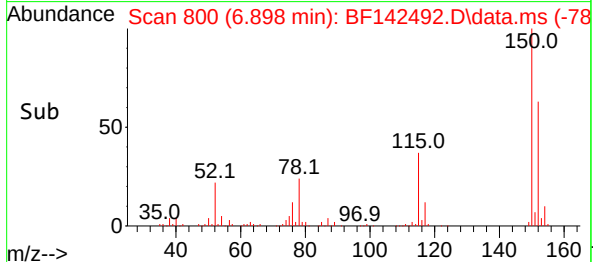
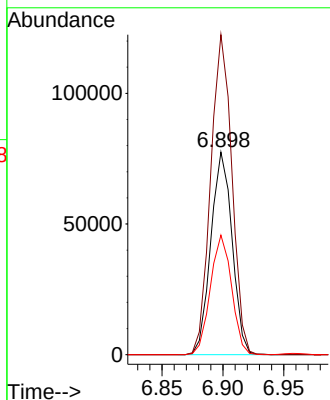
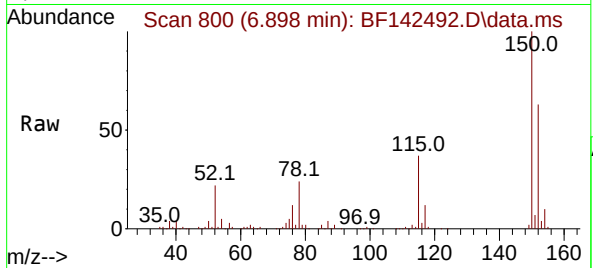




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF142492.D
Acq: 21 May 2025 17:39

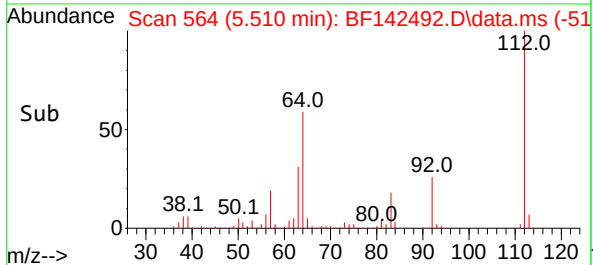
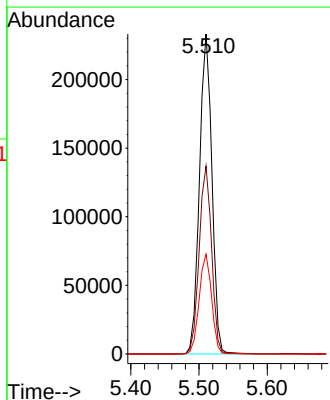
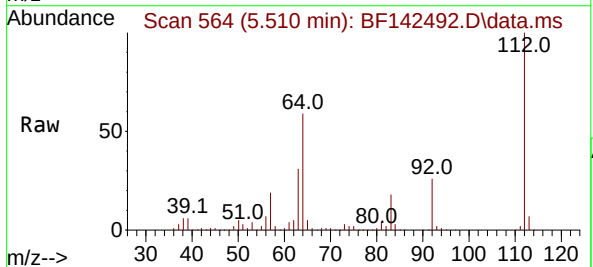
Instrument :
BNA_F
ClientSampleId :
PL-HRH-COMP-02

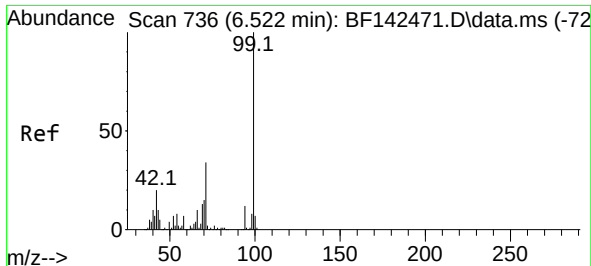
Tgt Ion:152 Resp: 94046
Ion Ratio Lower Upper
152 100
150 157.9 128.2 192.4
115 59.0 48.3 72.5



#5
2-Fluorophenol
Concen: 53.197 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142492.D
Acq: 21 May 2025 17:39

Tgt Ion:112 Resp: 296955
Ion Ratio Lower Upper
112 100
64 58.7 47.5 71.3
63 31.2 24.9 37.3

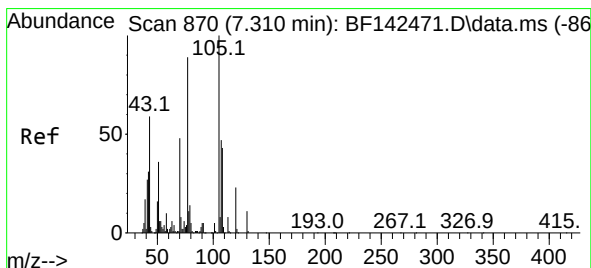
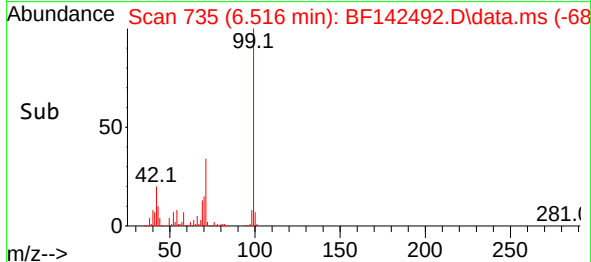
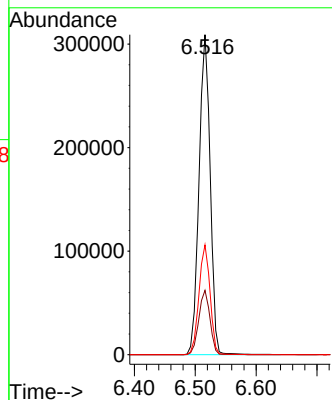
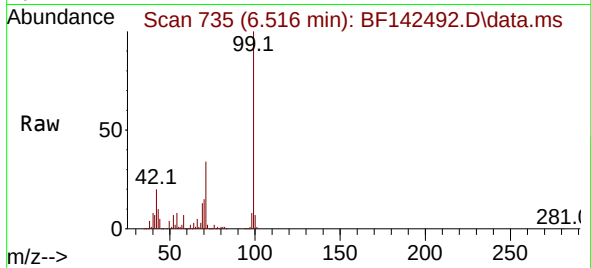




#7
Phenol-d6
Concen: 58.645 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF142492.D
Acq: 21 May 2025 17:39

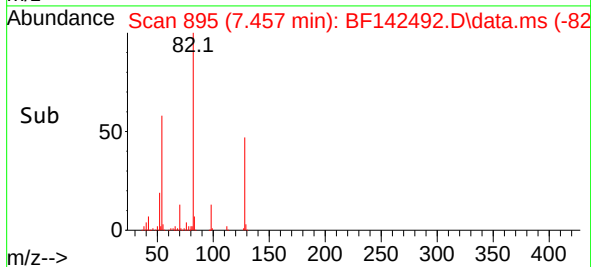
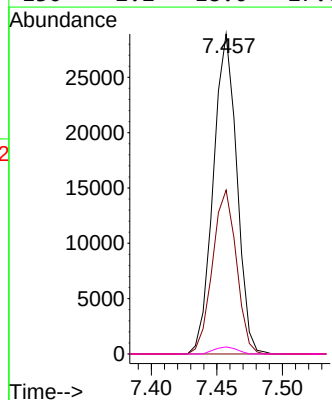
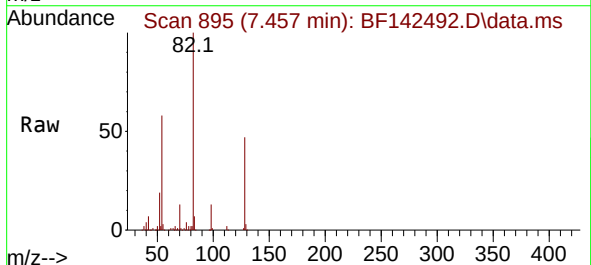
Instrument :
BNA_F
ClientSampleId :
PL-HRH-COMP-02

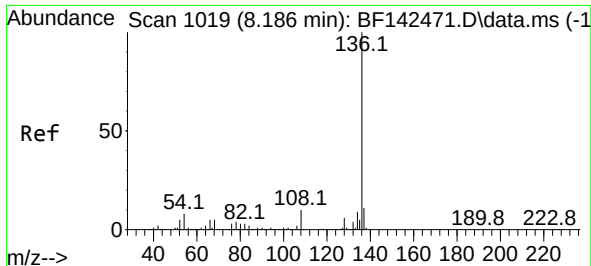
Tgt Ion: 99 Resp: 394069
Ion Ratio Lower Upper
99 100
42 20.1 16.2 24.2
71 34.3 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 8.655 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.129 min
Lab File: BF142492.D
Acq: 21 May 2025 17:39

Tgt Ion: 70 Resp: 36042
Ion Ratio Lower Upper
70 100
42 51.2 52.4 78.6#
101 0.0 7.8 11.8#
130 2.2 18.0 27.0#

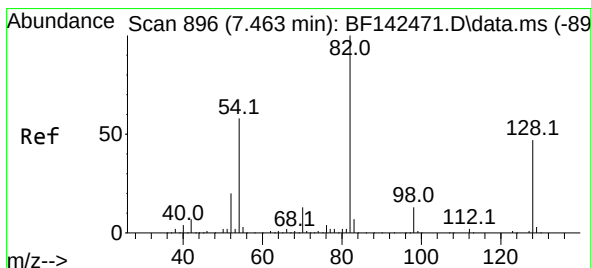
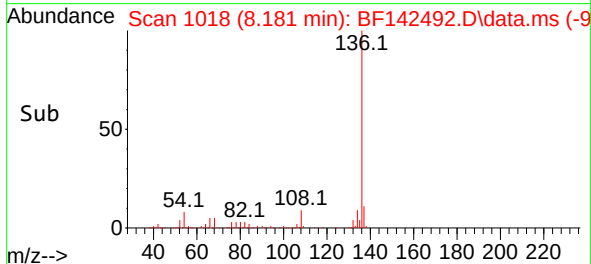
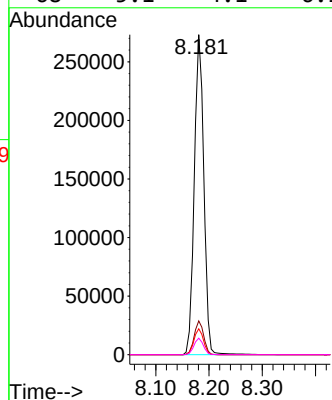
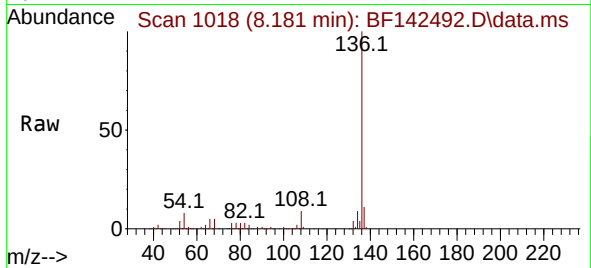




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142492.D
Acq: 21 May 2025 17:39

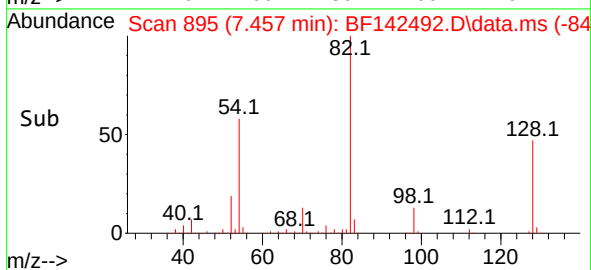
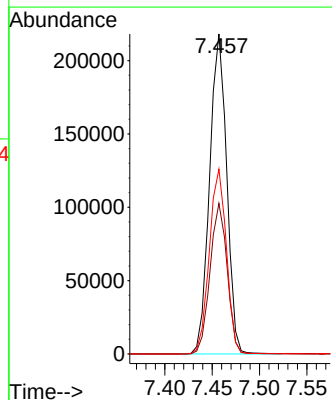
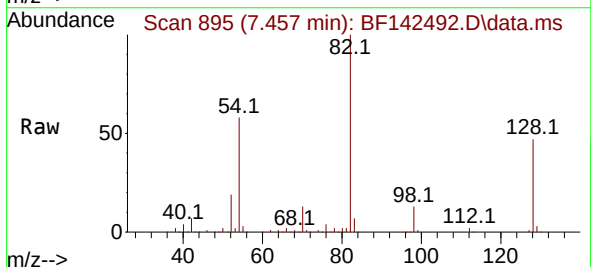
Instrument :
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ClientSampleId :
PL-HRH-COMP-02

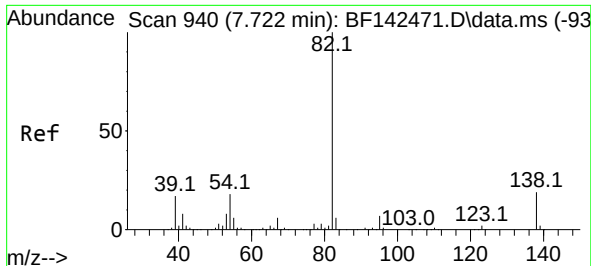
Tgt Ion:136 Resp: 339995
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 8.1 6.6 10.0
68 5.1 4.1 6.1



#23
Nitrobenzene-d5
Concen: 43.857 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF142492.D
Acq: 21 May 2025 17:39

Tgt Ion: 82 Resp: 273456
Ion Ratio Lower Upper
82 100
128 47.0 37.4 56.2
54 57.7 46.6 70.0

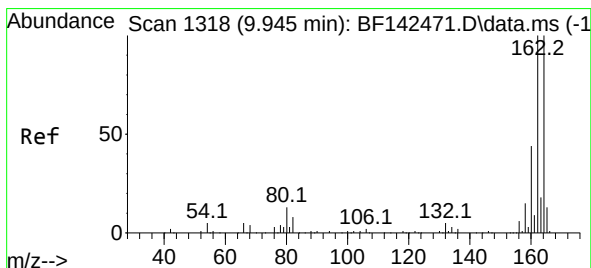
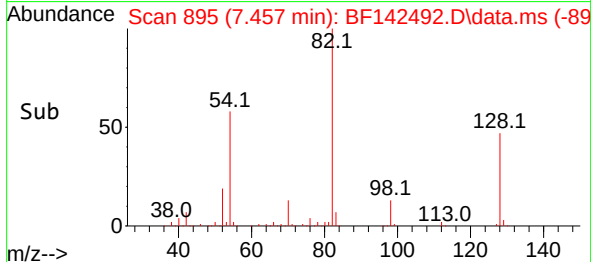
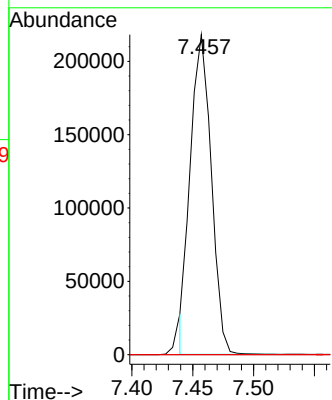
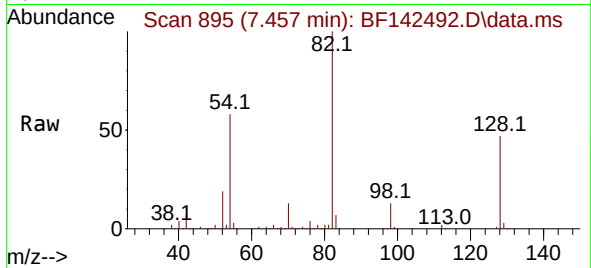




#25
Isophorone
Concen: 24.976 ng
RT: 7.457 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF142492.D
Acq: 21 May 2025 17:39

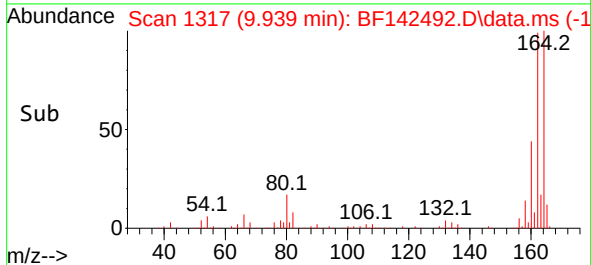
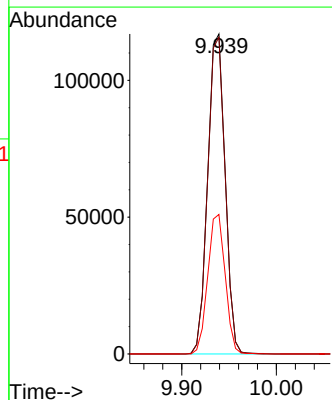
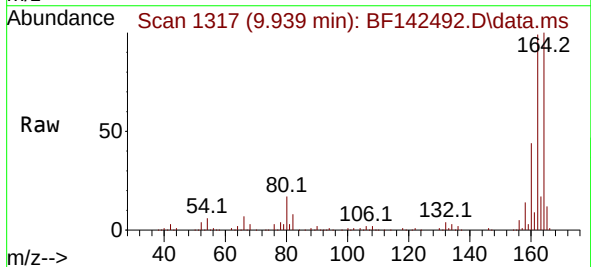
Instrument :
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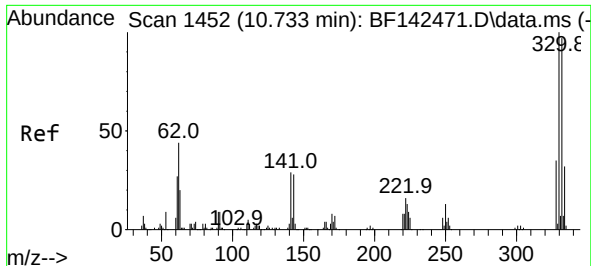
Tgt Ion: 82 Resp: 260370
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142492.D
Acq: 21 May 2025 17:39

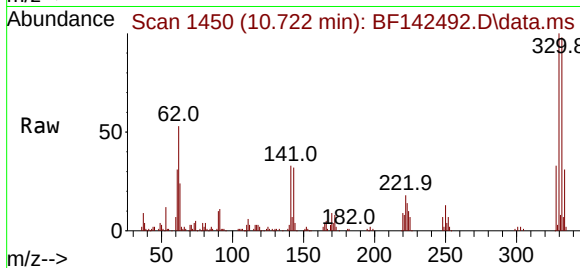
Tgt Ion:164 Resp: 149265
Ion Ratio Lower Upper
164 100
162 98.9 80.2 120.4
160 43.6 35.6 53.4



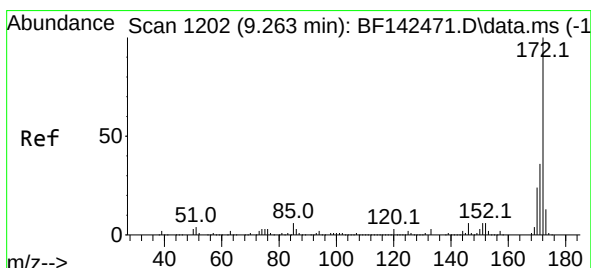
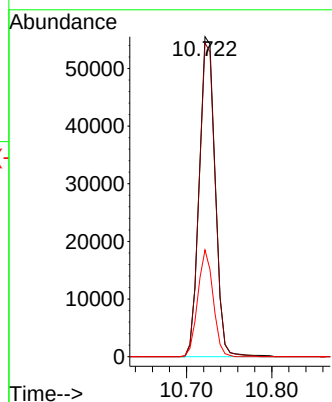
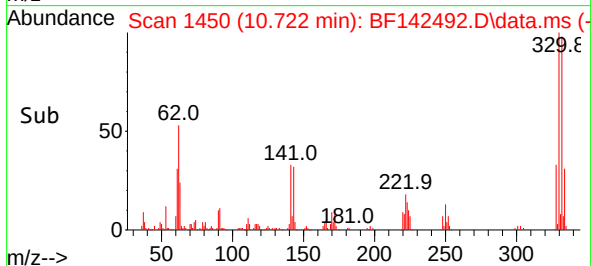


#42
2,4,6-Tribromophenol
Concen: 43.576 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.018 min
Lab File: BF142492.D
Acq: 21 May 2025 17:39

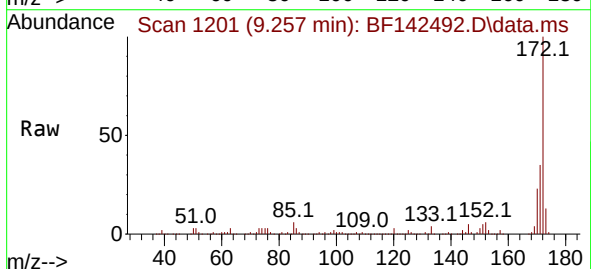
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ClientSampleId :
PL-HRH-COMP-02



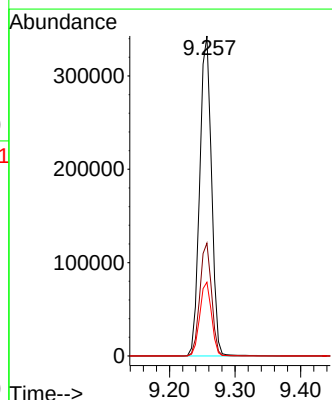
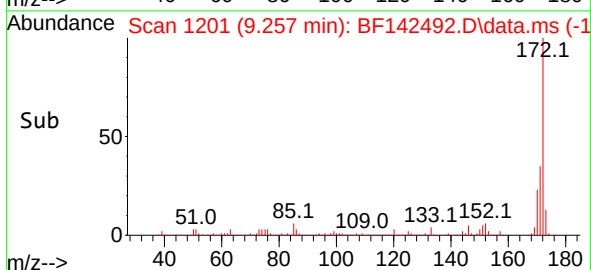
Tgt Ion:330 Resp: 72190
Ion Ratio Lower Upper
330 100
332 98.2 77.6 116.4
141 32.0 24.6 36.8

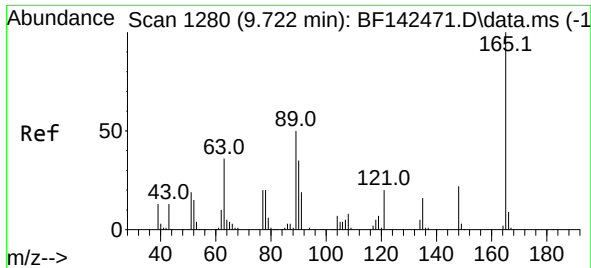


#45
2-Fluorobiphenyl
Concen: 38.680 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF142492.D
Acq: 21 May 2025 17:39



Tgt Ion:172 Resp: 430265
Ion Ratio Lower Upper
172 100
171 35.3 28.6 42.8
170 23.1 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 8.716 ng

RT: 9.939 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF142492.D

Acq: 21 May 2025 17:39

Instrument :

BNA_F

ClientSampleId :

PL-HRH-COMP-02

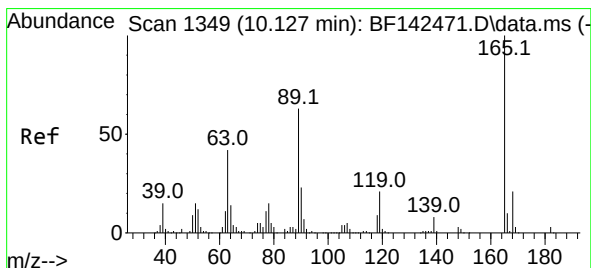
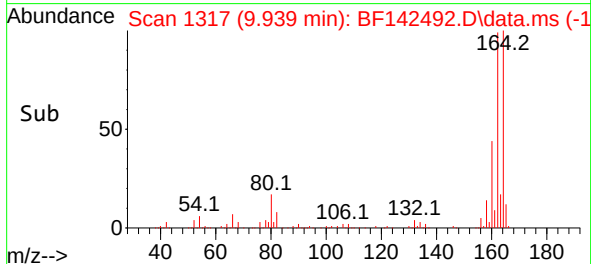
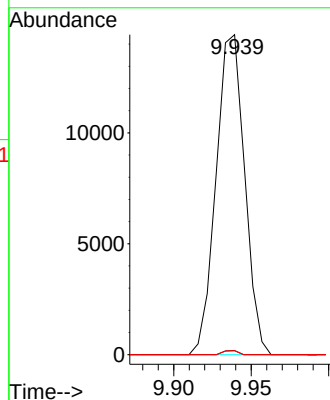
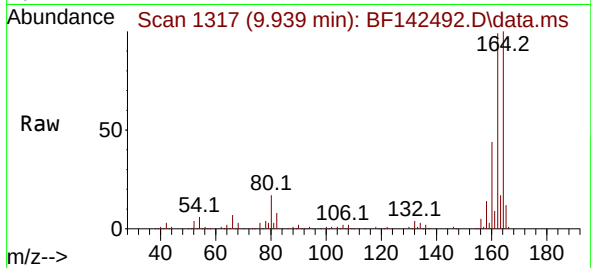
Tgt Ion:165 Resp: 18528

Ion Ratio Lower Upper

165 100

63 1.3 42.9 64.3#

89 1.2 40.2 60.4#



#57

2,4-Dinitrotoluene

Concen: 6.674 ng

RT: 9.939 min Scan# 1317

Delta R.T. -0.194 min

Lab File: BF142492.D

Acq: 21 May 2025 17:39

Tgt Ion:165 Resp: 18528

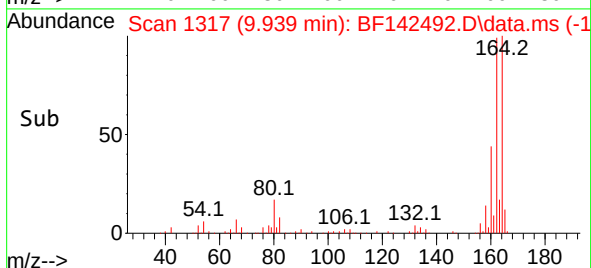
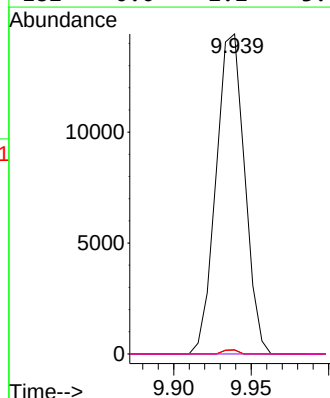
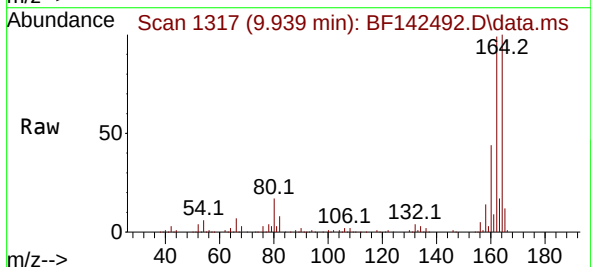
Ion Ratio Lower Upper

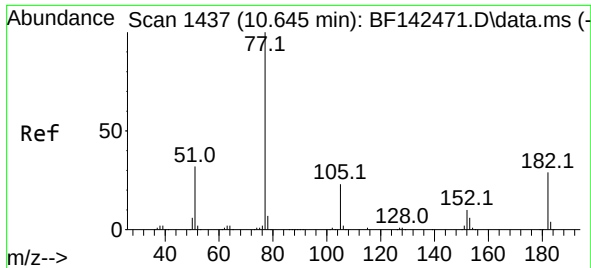
165 100

63 1.3 33.6 50.4#

89 1.2 50.2 75.4#

182 0.0 2.2 3.4#

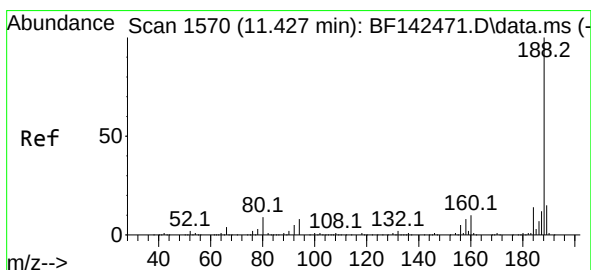
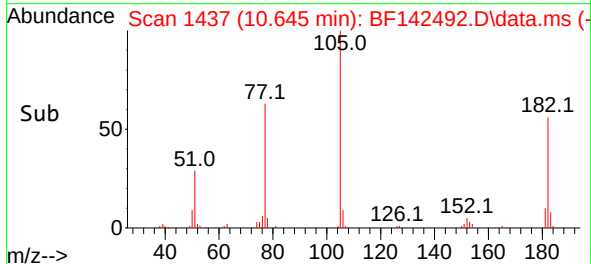
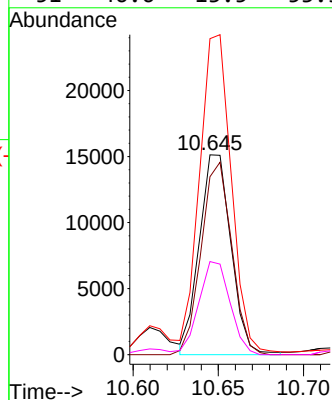
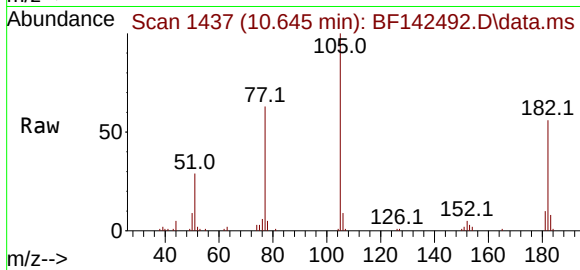




#63
 Azobenzene
 Concen: 2.273 ng
 RT: 10.645 min Scan# 14
 Delta R.T. 0.000 min
 Lab File: BF142492.D
 Acq: 21 May 2025 17:39

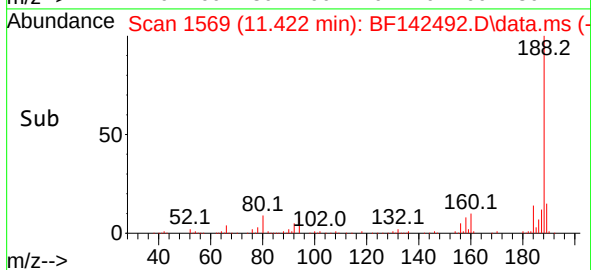
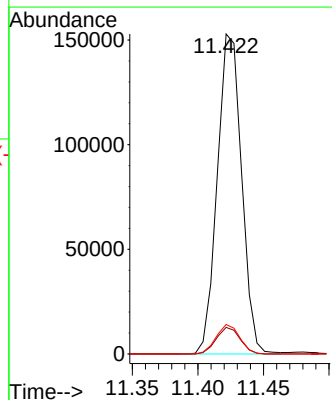
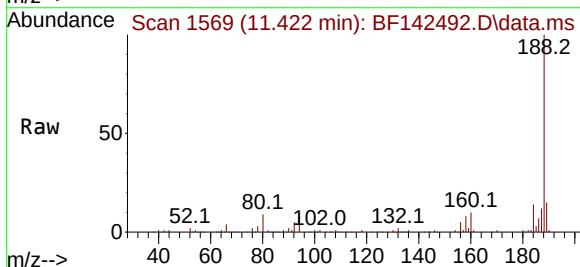
Instrument :
 BNA_F
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 PL-HRH-COMP-02

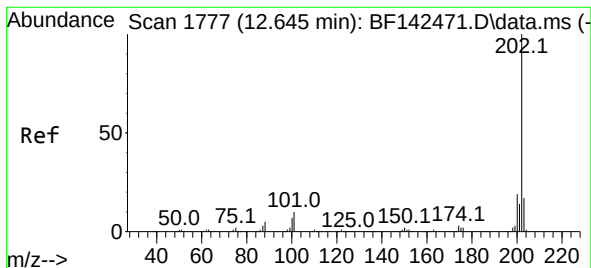
Tgt Ion: 77	Resp: 19634
Ion Ratio	Lower Upper
77 100	
182 89.1	9.0 49.0#
105 158.1	2.4 42.4#
51 46.6	13.5 53.5



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.422 min Scan# 1569
 Delta R.T. -0.012 min
 Lab File: BF142492.D
 Acq: 21 May 2025 17:39

Tgt Ion: 188	Resp: 196965
Ion Ratio	Lower Upper
188 100	
94 8.3	6.6 10.0
80 9.2	7.4 11.0





#75

Fluoranthene

Concen: 3.059 ng

RT: 12.639 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142492.D

Acq: 21 May 2025 17:39

Instrument :

BNA_F

ClientSampleId :

PL-HRH-COMP-02

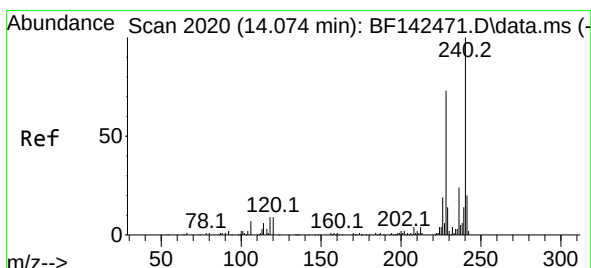
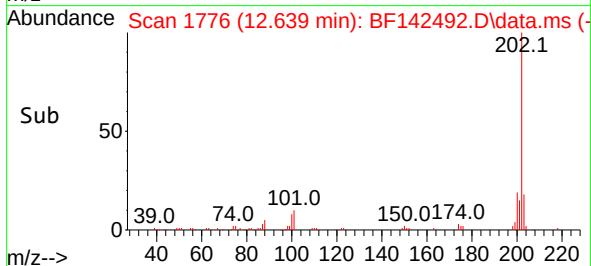
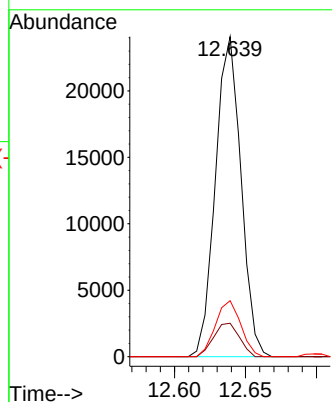
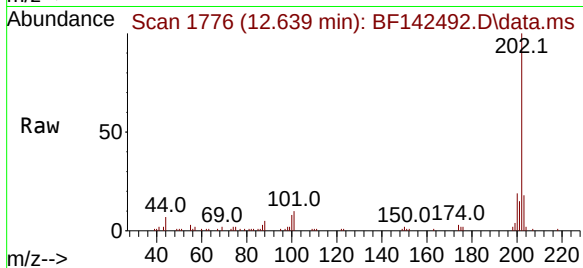
Tgt Ion:202 Resp: 30084

Ion Ratio Lower Upper

202 100

101 10.5 0.0 29.6

203 17.5 0.0 37.2



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 2018

Delta R.T. -0.012 min

Lab File: BF142492.D

Acq: 21 May 2025 17:39

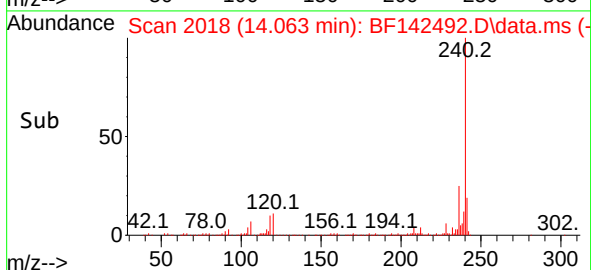
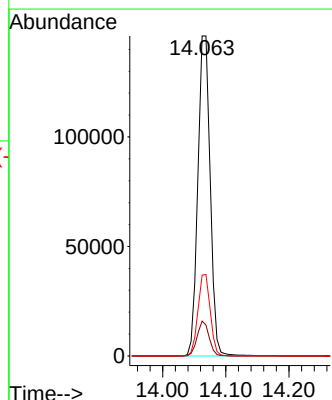
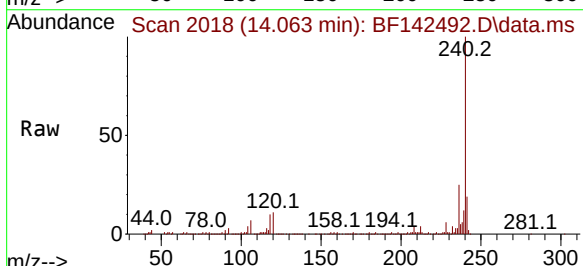
Tgt Ion:240 Resp: 198206

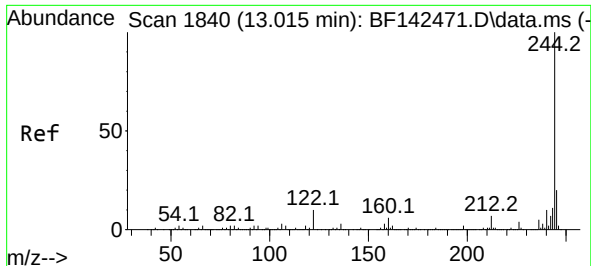
Ion Ratio Lower Upper

240 100

120 10.9 7.5 11.3

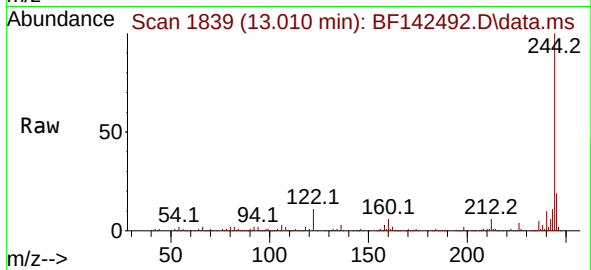
236 25.3 19.6 29.4



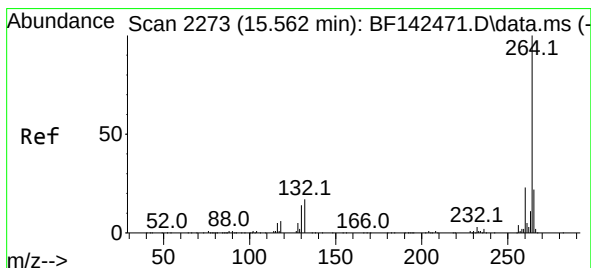
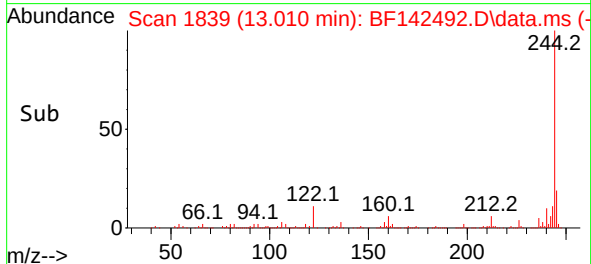
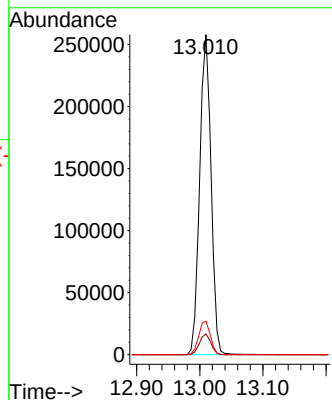


#79
 Terphenyl-d14
 Concen: 22.159 ng
 RT: 13.010 min Scan# 1839
 Delta R.T. -0.006 min
 Lab File: BF142492.D
 Acq: 21 May 2025 17:39

Instrument :
 BNA_F
 ClientSampleId :
 PL-HRH-COMP-02

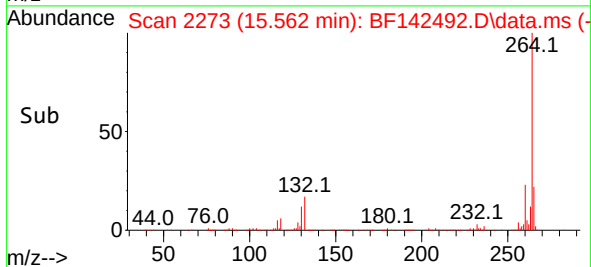
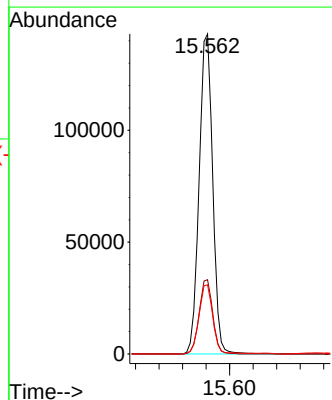
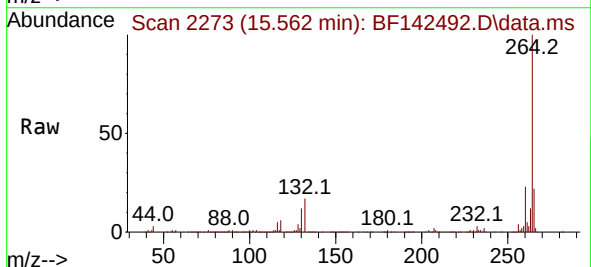


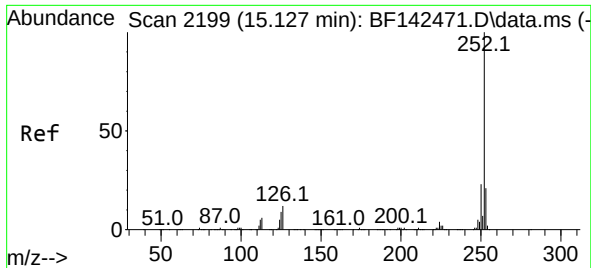
Tgt Ion:244 Resp: 321398
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.3 7.9
 122 10.5 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.562 min Scan# 2273
 Delta R.T. -0.006 min
 Lab File: BF142492.D
 Acq: 21 May 2025 17:39

Tgt Ion:264 Resp: 228832
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.6 28.0
 265 21.6 17.7 26.5

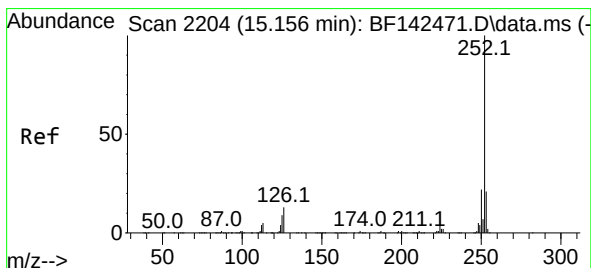
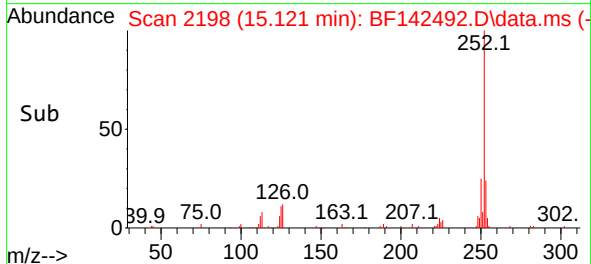
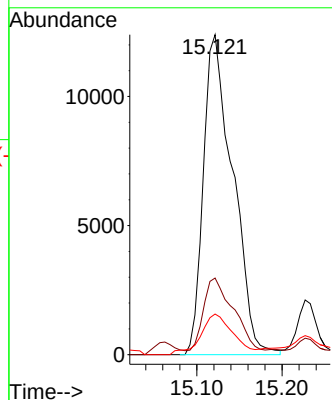
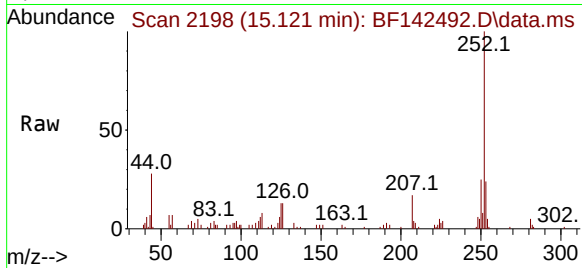




#88
Benzo(b)fluoranthene
Concen: 2.198 ng
RT: 15.121 min Scan# 2199
Delta R.T. -0.006 min
Lab File: BF142492.D
Acq: 21 May 2025 17:39

Instrument :
BNA_F
ClientSampleId :
PL-HRH-COMP-02

Tgt Ion:252 Resp: 29765
Ion Ratio Lower Upper
252 100
253 23.9 17.0 25.4
125 12.7 7.4 11.0#



#89
Benzo(k)fluoranthene
Concen: 2.346 ng
RT: 15.121 min Scan# 2198
Delta R.T. -0.041 min
Lab File: BF142492.D
Acq: 21 May 2025 17:39

Tgt Ion:252 Resp: 29765
Ion Ratio Lower Upper
252 100
253 23.9 17.0 25.4
125 12.7 7.3 10.9#

