

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052225\
 Data File : BF142508.D
 Acq On : 22 May 2025 14:09
 Operator : RC/JU
 Sample : Q2080-07
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: May 22 14:41:26 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)

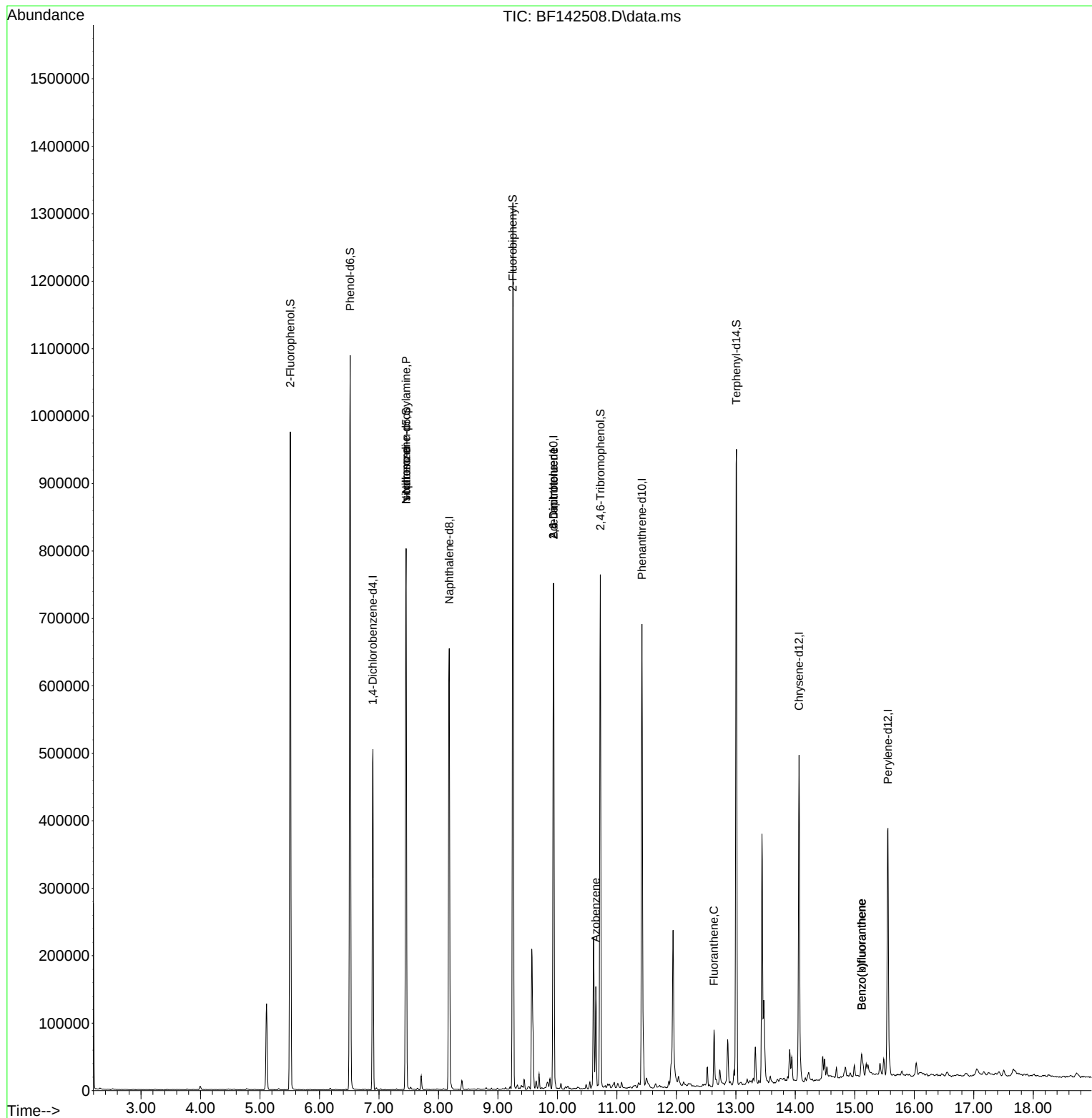
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	111838	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	426297	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	224863	20.000	ng	-0.01
64) Phenanthrene-d10	11.421	188	351320	20.000	ng	-0.01
76) Chrysene-d12	14.062	240	219947	20.000	ng	-0.01
86) Perylene-d12	15.557	264	219607	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	363726	54.793	ng	0.00
7) Phenol-d6	6.516	99	498979	62.444	ng	-0.02
23) Nitrobenzene-d5	7.457	82	344202	44.028	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	127795	51.206	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	592514	35.358	ng	-0.02
79) Terphenyl-d14	13.010	244	465513	28.923	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	45334	9.154	ng	# 77
25) Isophorone	7.457	82	318571	24.373	ng	# 63
51) 2,6-Dinitrotoluene	9.933	165	28177	8.799	ng	# 28
57) 2,4-Dinitrotoluene	9.933	165	28177	6.737	ng	# 28
63) Azobenzene	10.645	77	35038	2.692	ng	# 1
75) Fluoranthene	12.633	202	47242	2.693	ng	99
88) Benzo(b)fluoranthene	15.115	252	30518	2.348	ng	# 97
89) Benzo(k)fluoranthene	15.115	252	30518	2.507	ng	# 97

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

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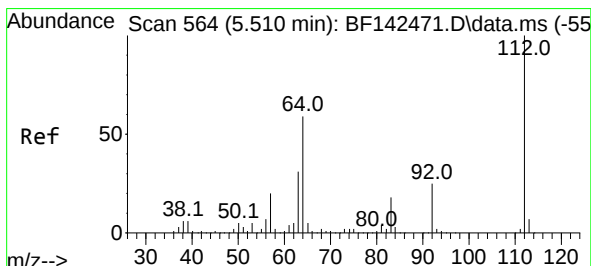
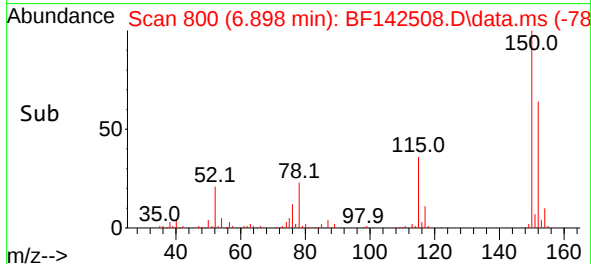
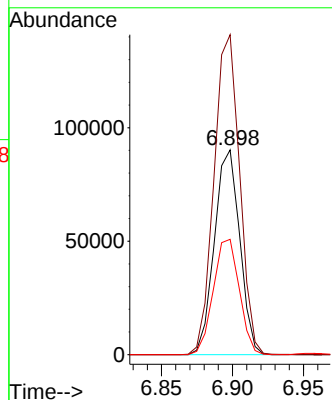
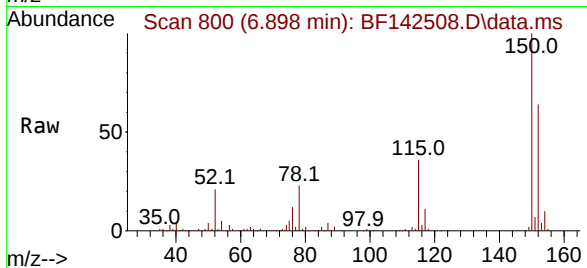




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.898 min Scan# 800
 Delta R.T. -0.006 min
 Lab File: BF142508.D
 Acq: 22 May 2025 14:09

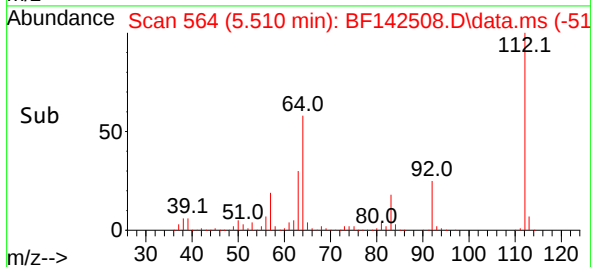
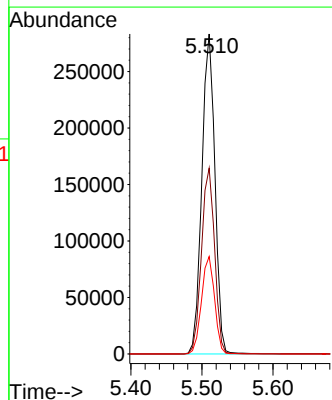
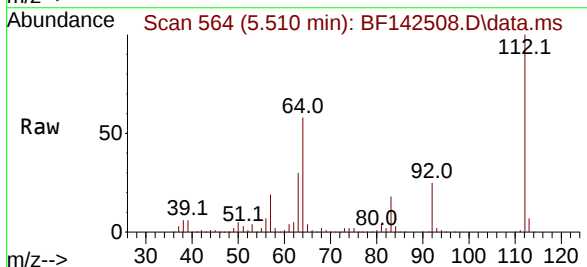
Instrument :
 BNA_F
 ClientSampleId :
 PL-HRH-COMP-02

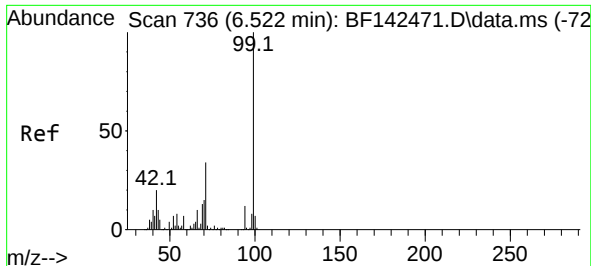
Tgt Ion:152 Resp: 111838
 Ion Ratio Lower Upper
 152 100
 150 156.2 128.2 192.4
 115 56.3 48.3 72.5



#5
 2-Fluorophenol
 Concen: 54.793 ng
 RT: 5.510 min Scan# 564
 Delta R.T. -0.006 min
 Lab File: BF142508.D
 Acq: 22 May 2025 14:09

Tgt Ion:112 Resp: 363726
 Ion Ratio Lower Upper
 112 100
 64 58.0 47.5 71.3
 63 30.4 24.9 37.3

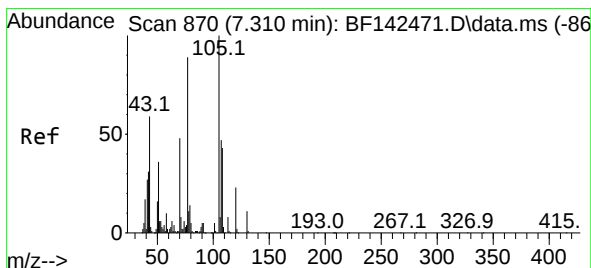
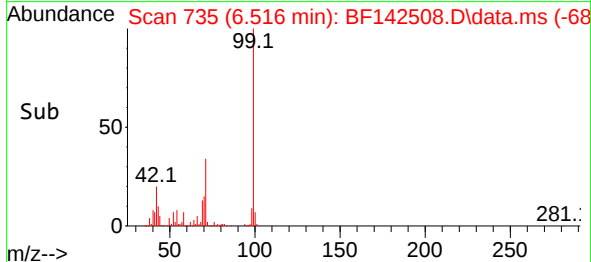
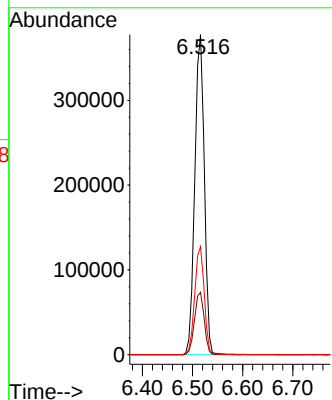
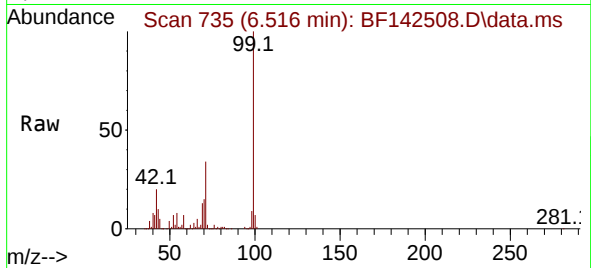




#7
Phenol-d6
Concen: 62.444 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF142508.D
Acq: 22 May 2025 14:09

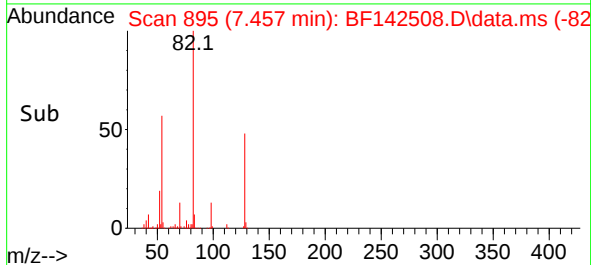
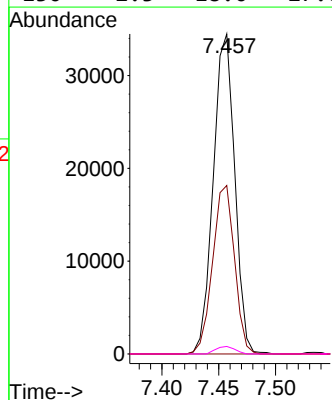
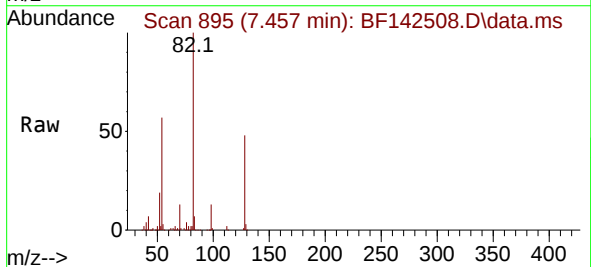
Instrument :
BNA_F
ClientSampleId :
PL-HRH-COMP-02

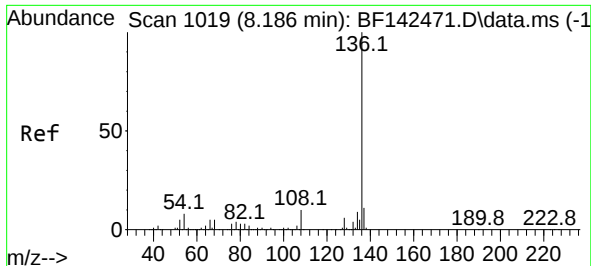
Tgt Ion: 99 Resp: 498979
Ion Ratio Lower Upper
99 100
42 19.5 16.2 24.2
71 33.8 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 9.154 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.129 min
Lab File: BF142508.D
Acq: 22 May 2025 14:09

Tgt Ion: 70 Resp: 45334
Ion Ratio Lower Upper
70 100
42 52.6 52.4 78.6
101 0.0 7.8 11.8#
130 2.3 18.0 27.0#

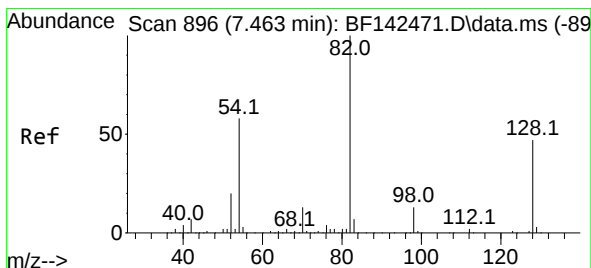
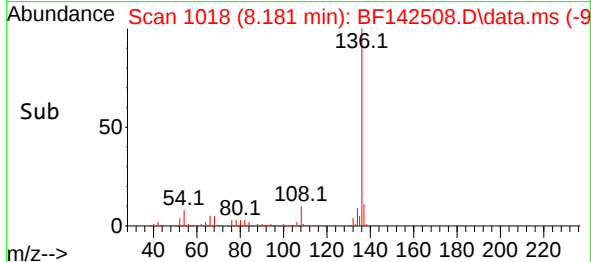
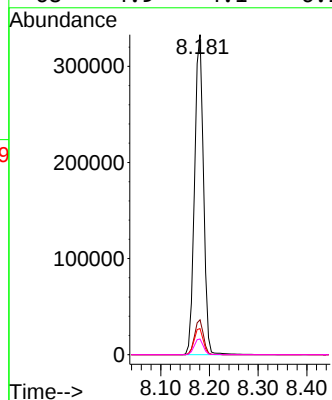
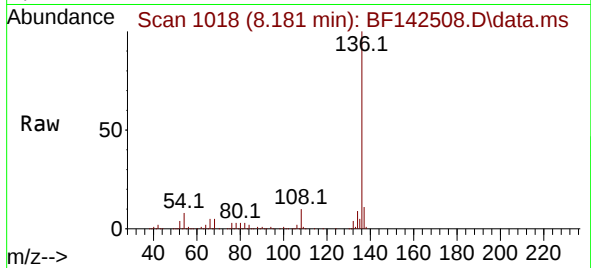




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142508.D
Acq: 22 May 2025 14:09

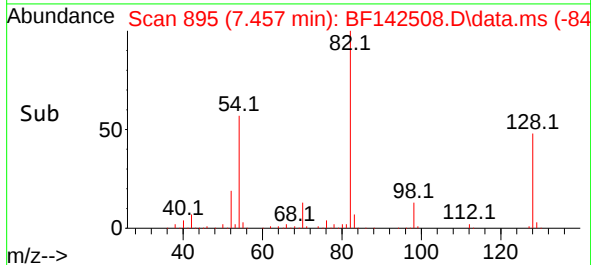
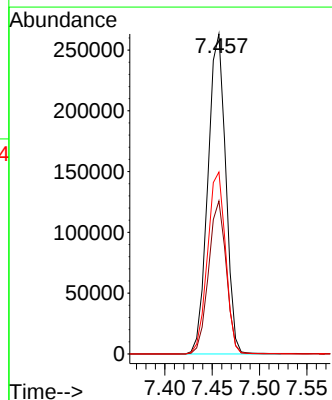
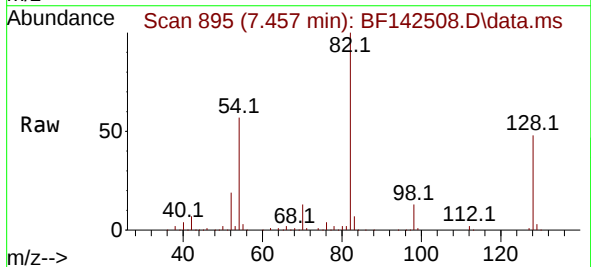
Instrument :
BNA_F
ClientSampleId :
PL-HRH-COMP-02

Tgt Ion:136 Resp: 426297
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.1 6.6 10.0
68 4.9 4.1 6.1



#23
Nitrobenzene-d5
Concen: 44.028 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF142508.D
Acq: 22 May 2025 14:09

Tgt Ion: 82 Resp: 344202
Ion Ratio Lower Upper
82 100
128 47.8 37.4 56.2
54 56.9 46.6 70.0

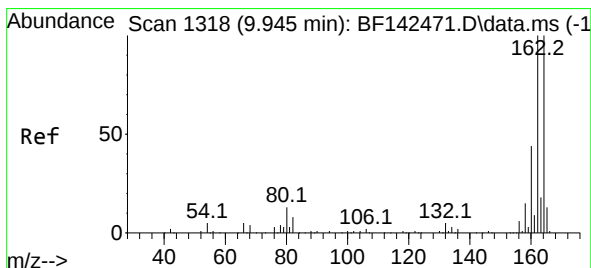
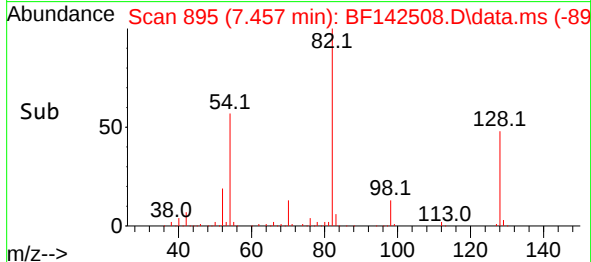
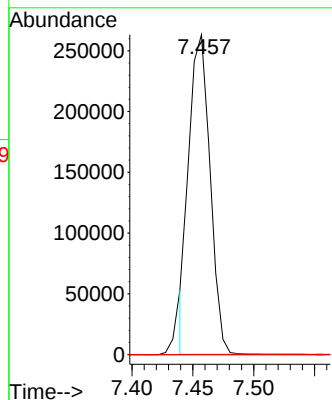
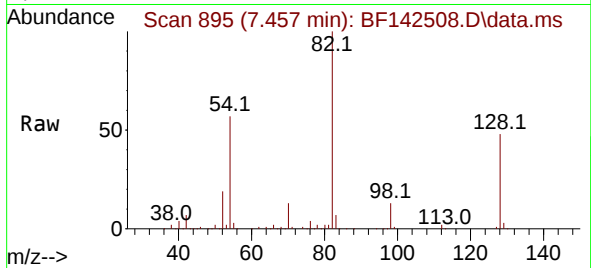




#25
Isophorone
Concen: 24.373 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.276 min
Lab File: BF142508.D
Acq: 22 May 2025 14:09

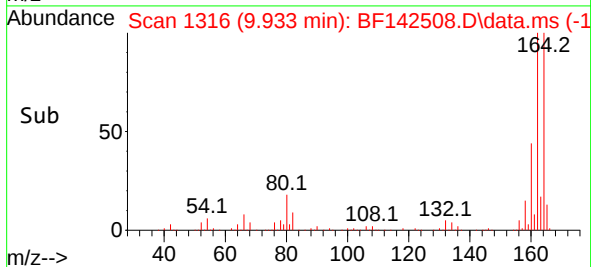
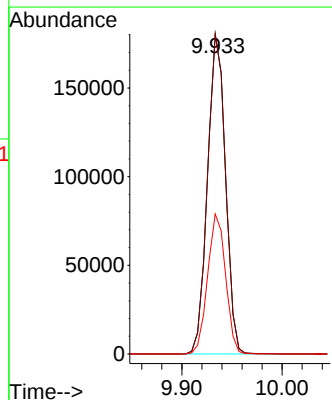
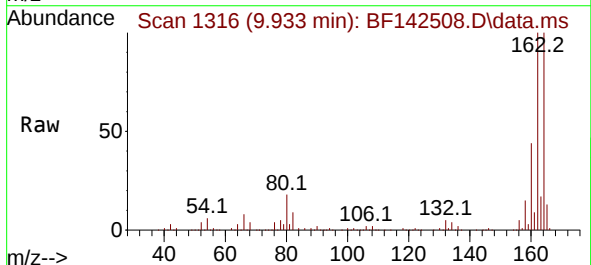
Instrument :
BNA_F
ClientSampleId :
PL-HRH-COMP-02

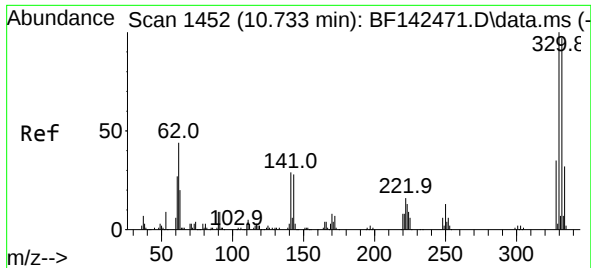
Tgt Ion: 82 Resp: 318571
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142508.D
Acq: 22 May 2025 14:09

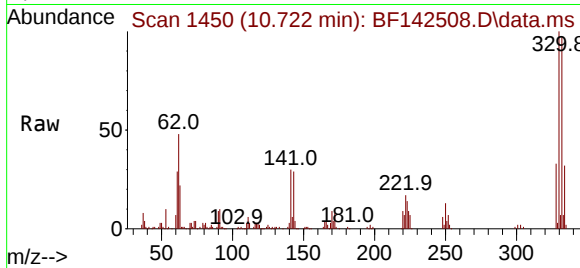
Tgt Ion:164 Resp: 224863
Ion Ratio Lower Upper
164 100
162 99.8 80.2 120.4
160 43.8 35.6 53.4



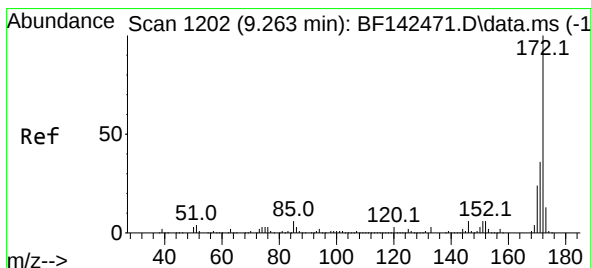
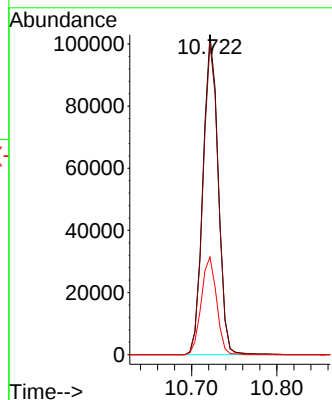
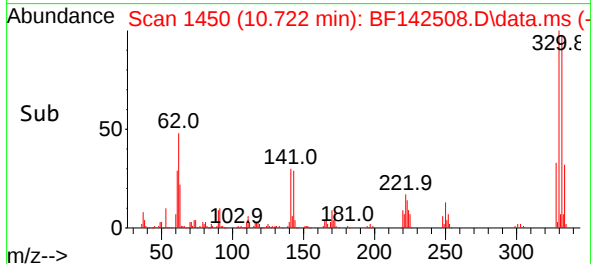


#42
 2,4,6-Tribromophenol
 Concen: 51.206 ng
 RT: 10.722 min Scan# 1452
 Delta R.T. -0.018 min
 Lab File: BF142508.D
 Acq: 22 May 2025 14:09

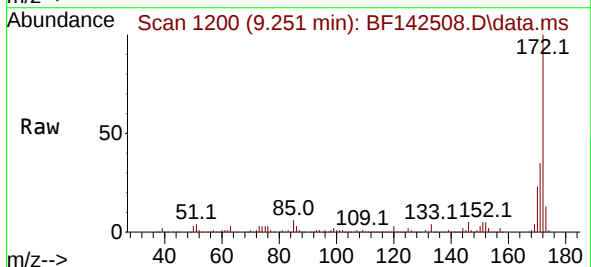
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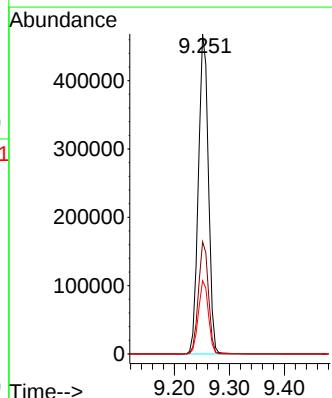
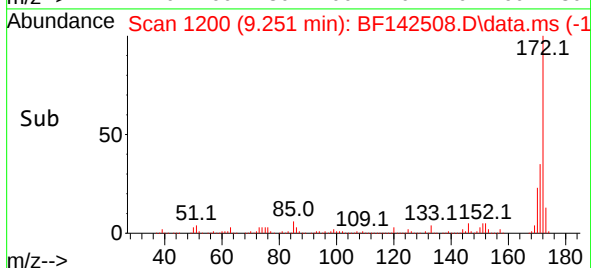
Tgt Ion:330 Resp: 127795
 Ion Ratio Lower Upper
 330 100
 332 97.4 77.6 116.4
 141 30.6 24.6 36.8

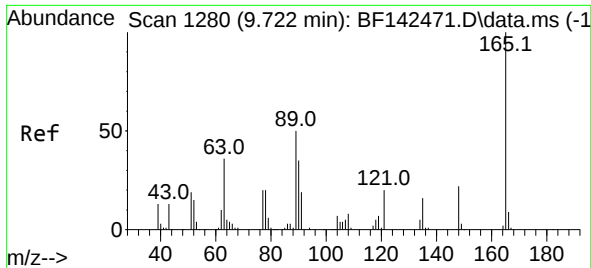


#45
 2-Fluorobiphenyl
 Concen: 35.358 ng
 RT: 9.251 min Scan# 1200
 Delta R.T. -0.018 min
 Lab File: BF142508.D
 Acq: 22 May 2025 14:09



Tgt Ion:172 Resp: 592514
 Ion Ratio Lower Upper
 172 100
 171 35.0 28.6 42.8
 170 22.9 18.9 28.3

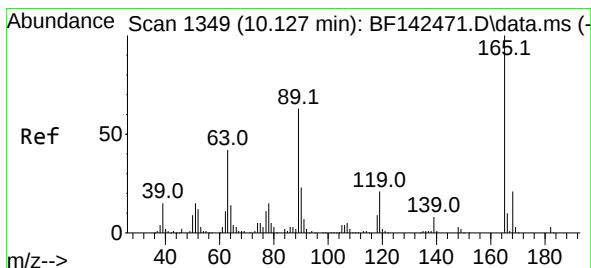
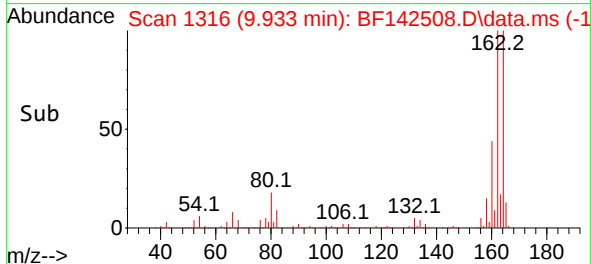
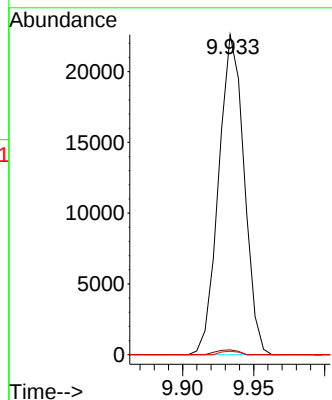
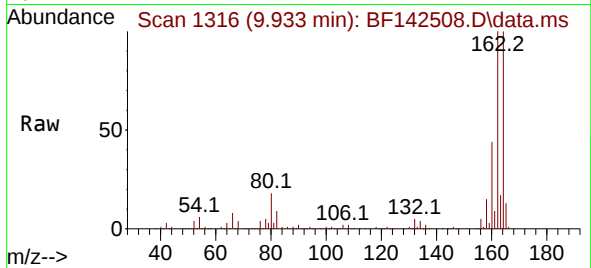




#51
2,6-Dinitrotoluene
Concen: 8.799 ng
RT: 9.933 min Scan# 1316
Delta R.T. 0.206 min
Lab File: BF142508.D
Acq: 22 May 2025 14:09

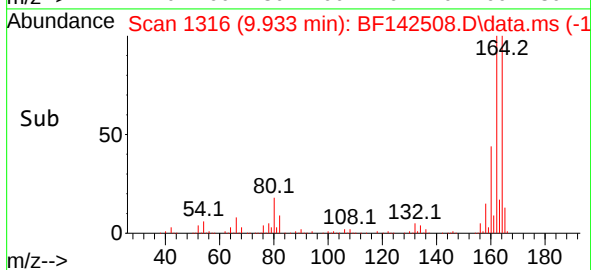
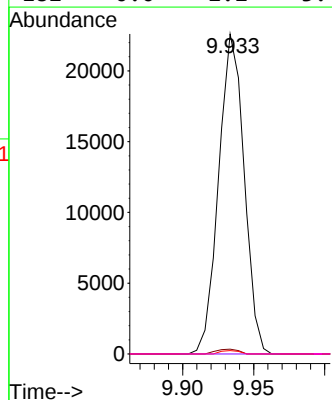
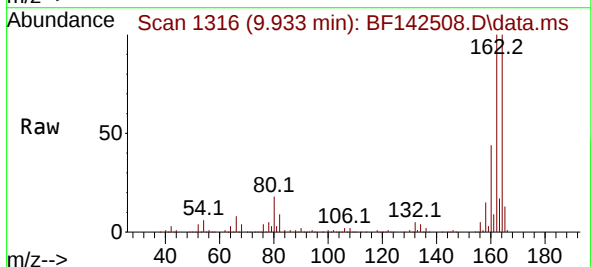
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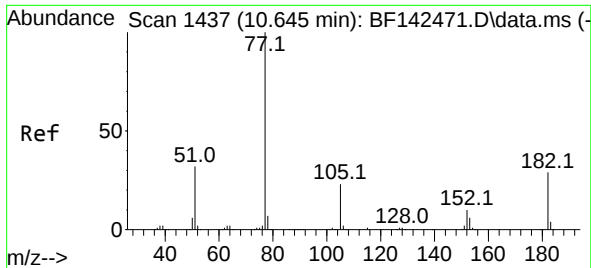
Tgt Ion:165 Resp: 28177
Ion Ratio Lower Upper
165 100
63 1.5 42.9 64.3#
89 1.0 40.2 60.4#



#57
2,4-Dinitrotoluene
Concen: 6.737 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.200 min
Lab File: BF142508.D
Acq: 22 May 2025 14:09

Tgt Ion:165 Resp: 28177
Ion Ratio Lower Upper
165 100
63 1.5 33.6 50.4#
89 1.0 50.2 75.4#
182 0.0 2.2 3.4#

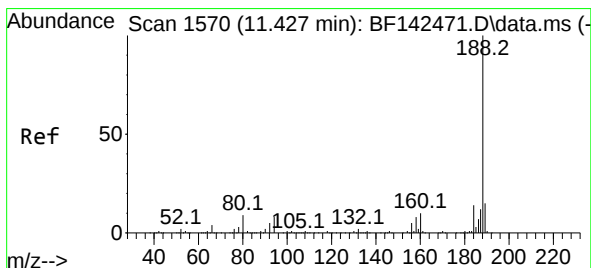
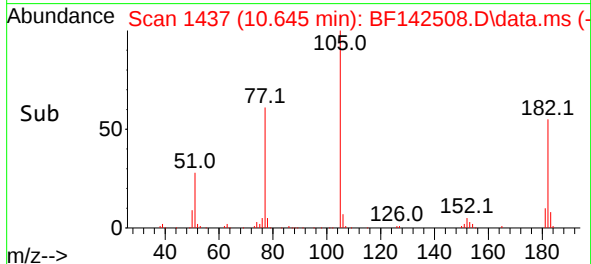
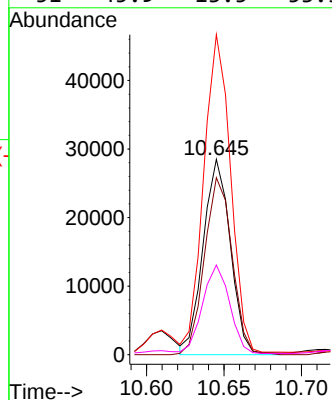
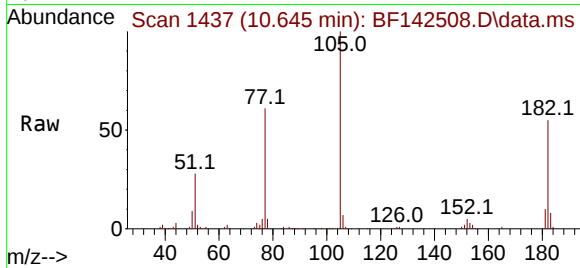




#63
Azobenzene
Concen: 2.692 ng
RT: 10.645 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142508.D
Acq: 22 May 2025 14:09

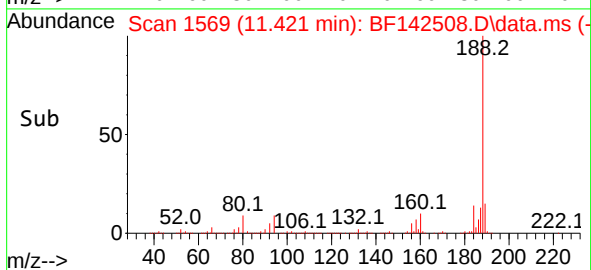
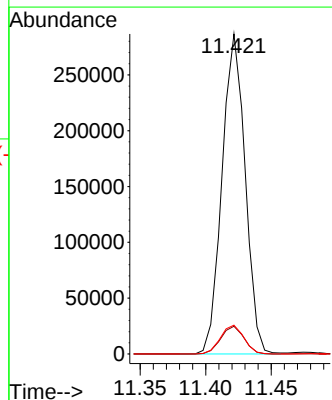
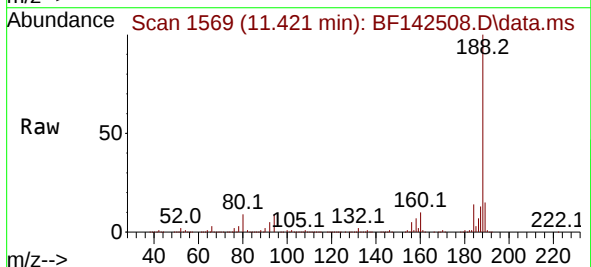
Instrument :
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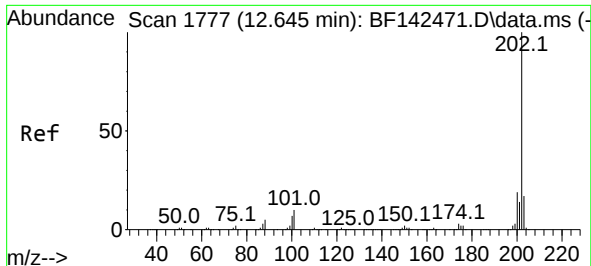
Tgt Ion: 77 Resp: 35038
Ion Ratio Lower Upper
77 100
182 90.6 9.0 49.0#
105 163.8 2.4 42.4#
51 45.9 13.5 53.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.421 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142508.D
Acq: 22 May 2025 14:09

Tgt Ion:188 Resp: 351320
Ion Ratio Lower Upper
188 100
94 8.6 6.6 10.0
80 9.0 7.4 11.0

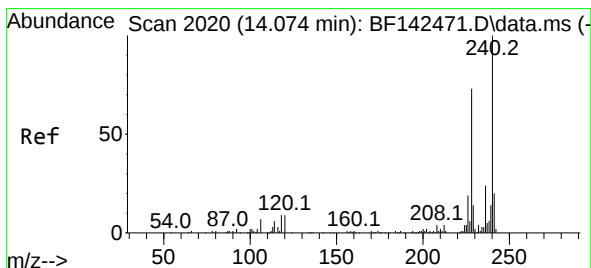
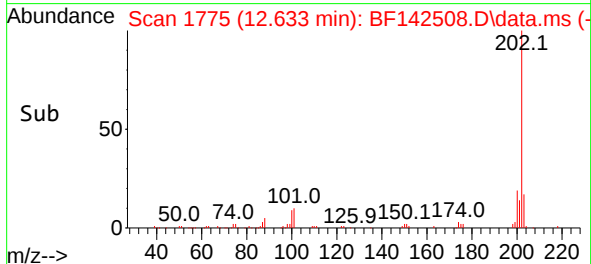
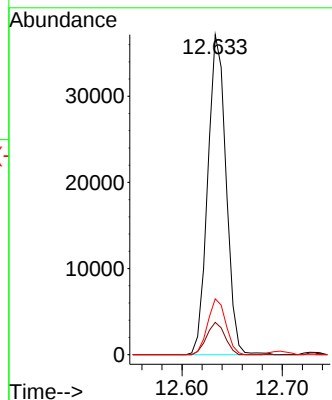
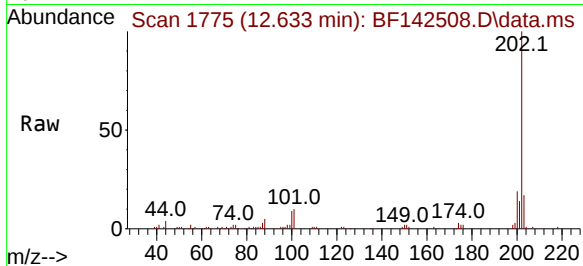




#75
Fluoranthene
Concen: 2.693 ng
RT: 12.633 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142508.D
Acq: 22 May 2025 14:09

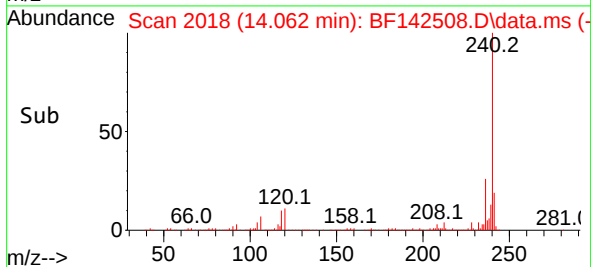
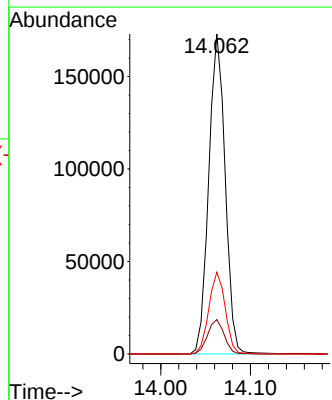
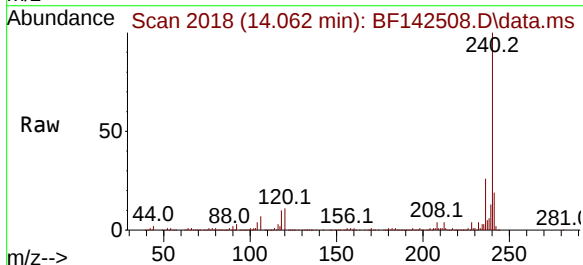
Instrument :
BNA_F
ClientSampleId :
PL-HRH-COMP-02

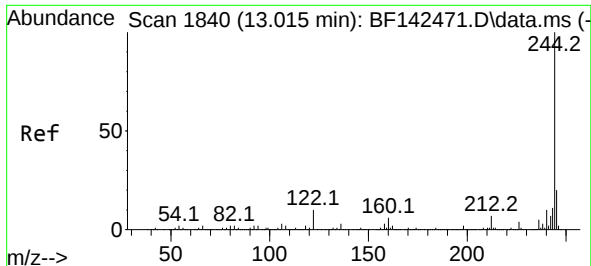
Tgt Ion:202 Resp: 47242
Ion Ratio Lower Upper
202 100
101 10.1 0.0 29.6
203 17.5 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.062 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142508.D
Acq: 22 May 2025 14:09

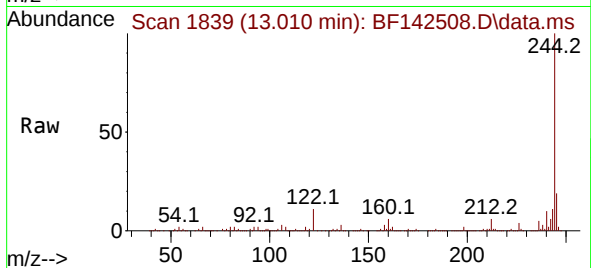
Tgt Ion:240 Resp: 219947
Ion Ratio Lower Upper
240 100
120 10.7 7.5 11.3
236 25.5 19.6 29.4



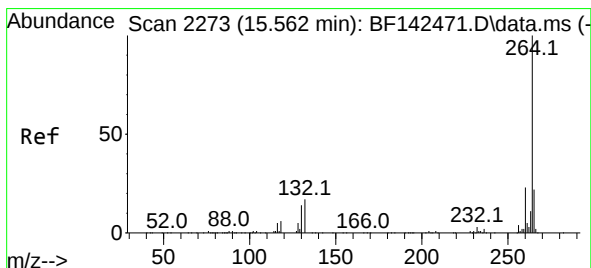
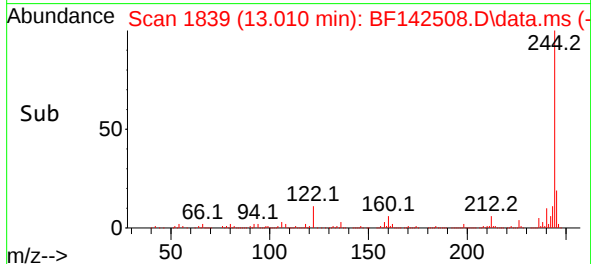
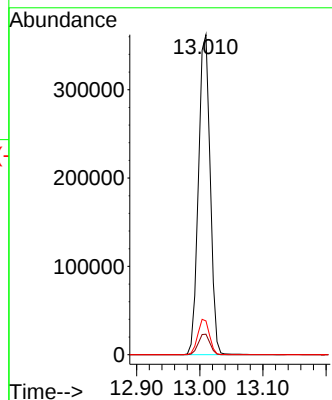


#79
 Terphenyl-d14
 Concen: 28.923 ng
 RT: 13.010 min Scan# 1839
 Delta R.T. -0.006 min
 Lab File: BF142508.D
 Acq: 22 May 2025 14:09

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

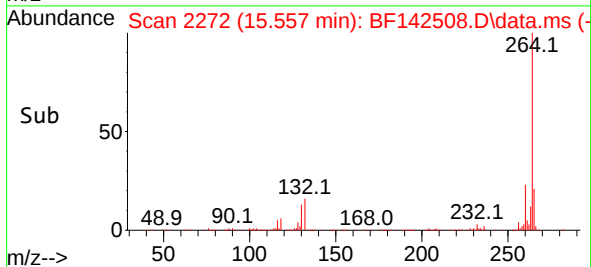
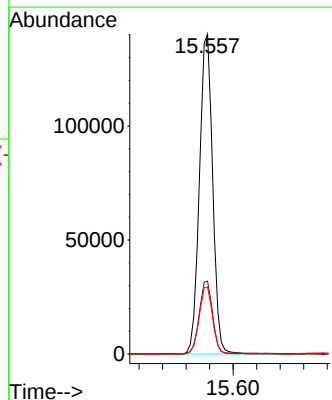
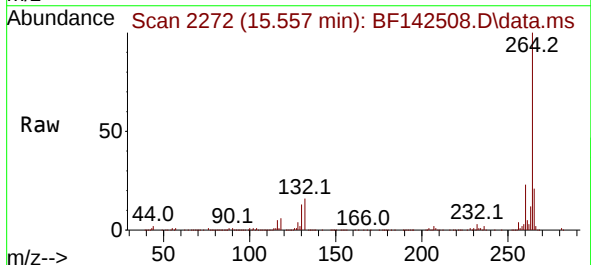


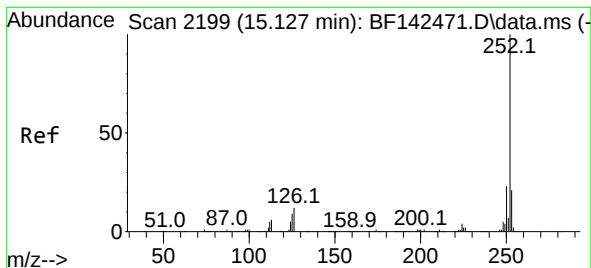
Tgt Ion:244 Resp: 465513
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.3 7.9
 122 10.6 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.557 min Scan# 2272
 Delta R.T. -0.012 min
 Lab File: BF142508.D
 Acq: 22 May 2025 14:09

Tgt Ion:264 Resp: 219607
 Ion Ratio Lower Upper
 264 100
 260 22.7 18.6 28.0
 265 20.9 17.7 26.5





#88

Benzo(b)fluoranthene

Concen: 2.348 ng

RT: 15.115 min Scan# 2197

Delta R.T. -0.012 min

Lab File: BF142508.D

Acq: 22 May 2025 14:09

Instrument :

BNA_F

ClientSampleId :

PL-HRH-COMP-02

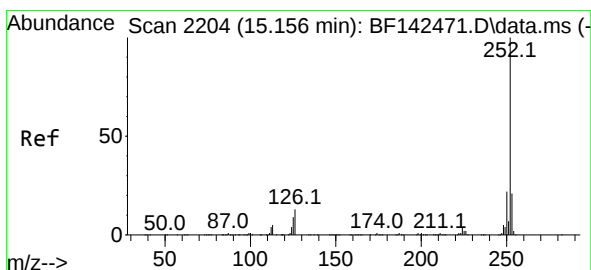
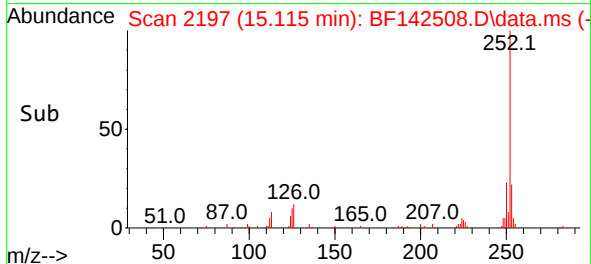
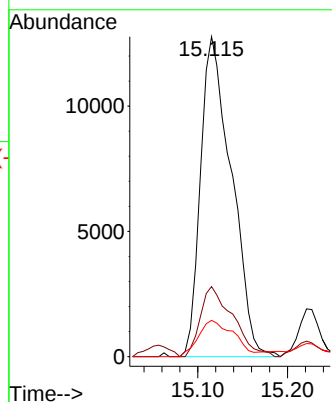
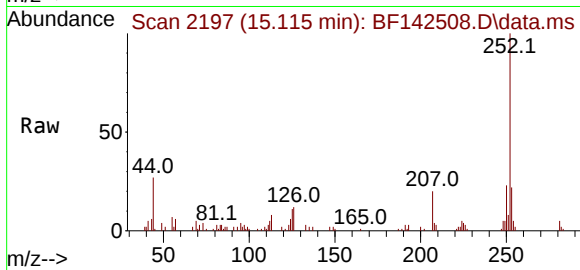
Tgt Ion:252 Resp: 30518

Ion Ratio Lower Upper

252 100

253 21.9 17.0 25.4

125 11.3 7.4 11.0#



#89

Benzo(k)fluoranthene

Concen: 2.507 ng

RT: 15.115 min Scan# 2197

Delta R.T. -0.047 min

Lab File: BF142508.D

Acq: 22 May 2025 14:09

Tgt Ion:252 Resp: 30518

Ion Ratio Lower Upper

252 100

253 21.9 17.0 25.4

125 11.3 7.3 10.9#

