

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103025\
 Data File : BF144148.D
 Acq On : 30 Oct 2025 19:04
 Operator : RC/JU
 Sample : Q3486-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP5

Quant Time: Oct 31 01:00:03 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 17:30:25 2025
 Response via : Initial Calibration

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

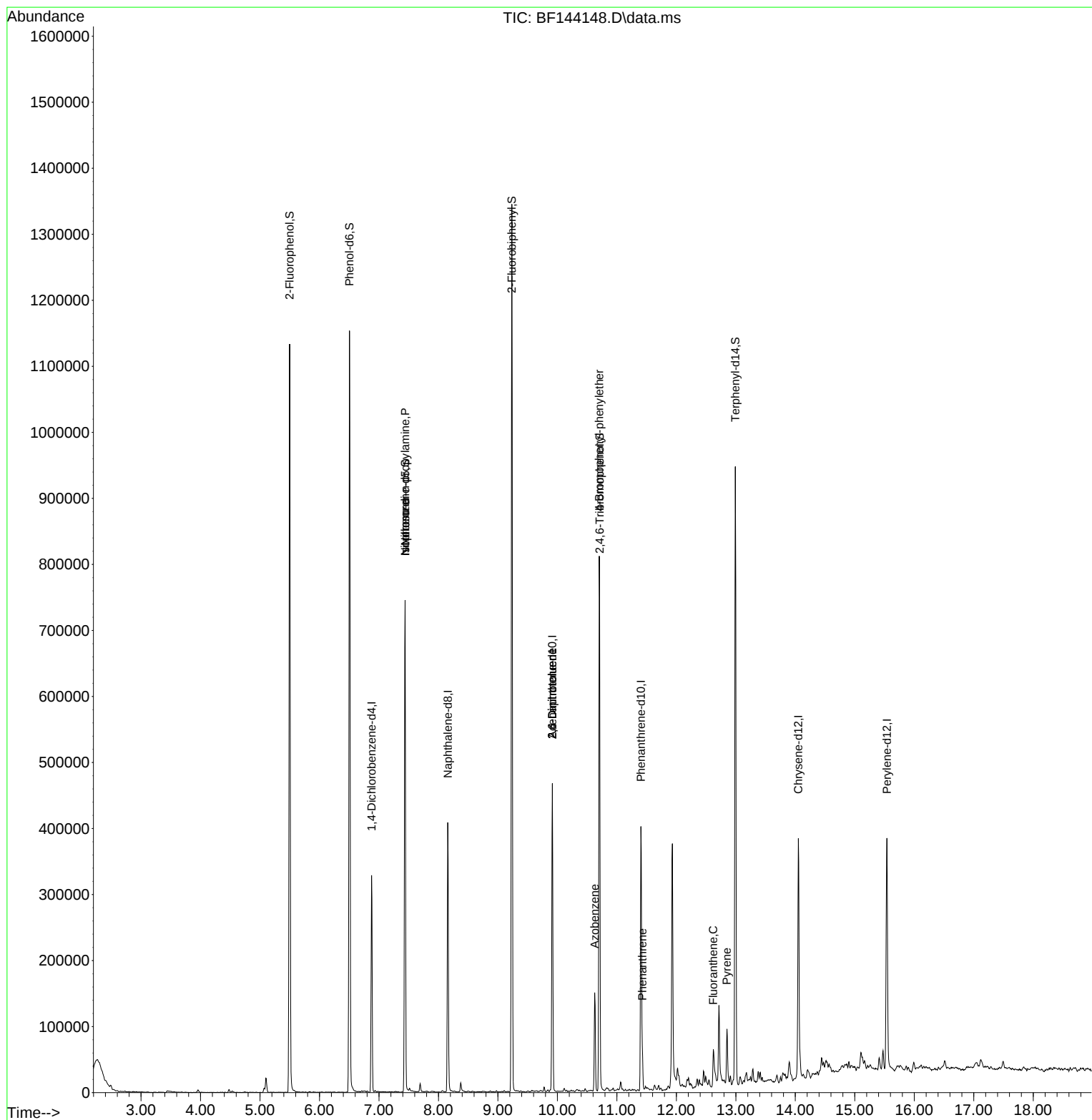
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	69071	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	259727	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	145089	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	218527	20.000	ng	0.00
76) Chrysene-d12	14.051	240	175263	20.000	ng	0.00
86) Perylene-d12	15.539	264	228610	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	418888	95.948	ng	0.00
7) Phenol-d6	6.504	99	488964	101.413	ng	0.00
23) Nitrobenzene-d5	7.440	82	316099	66.678	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	160113	86.634	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	613266	59.481	ng	0.00
79) Terphenyl-d14	12.992	244	481920	48.071	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	46638	14.958	ng	# 71
25) Isophorone	7.440	82	316096	38.138	ng	# 66
51) 2,6-Dinitrotoluene	9.916	165	19286	10.258	ng	# 22
57) 2,4-Dinitrotoluene	9.916	165	19286	7.601	ng	# 25
63) Azobenzene	10.628	77	37164	4.390	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	9083	3.320	ng	# 1
71) Phenanthrene	11.428	178	33645	3.099	ng	98
75) Fluoranthene	12.622	202	26018	2.169	ng	99
78) Pyrene	12.851	202	50239	3.987	ng	99

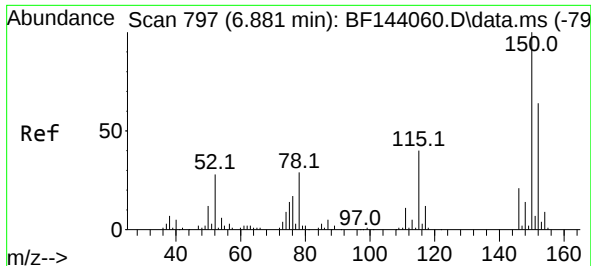
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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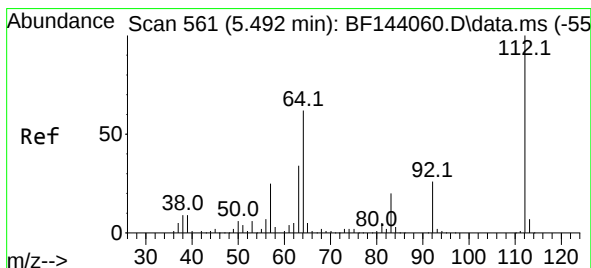
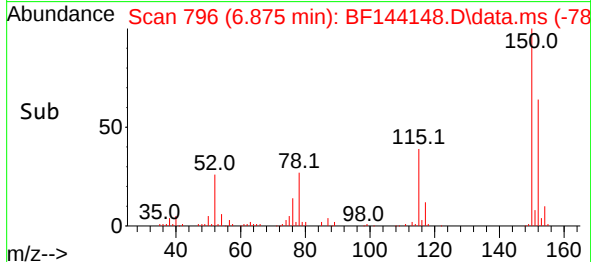
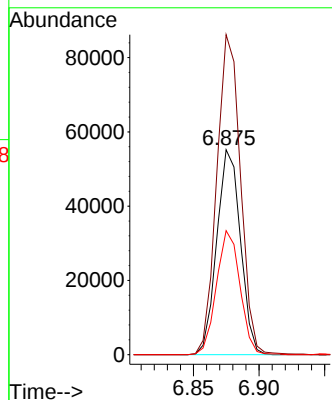
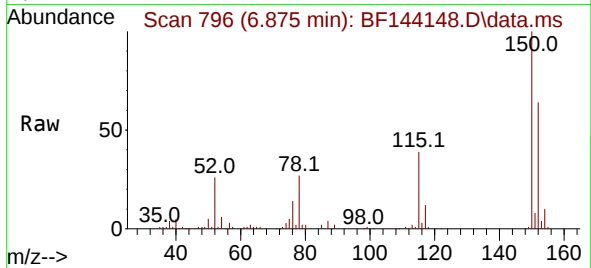




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 797
 Delta R.T. -0.006 min
 Lab File: BF144148.D
 Acq: 30 Oct 2025 19:04

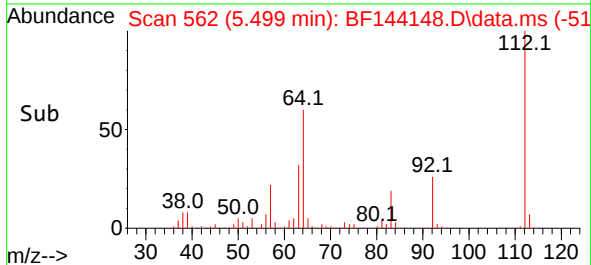
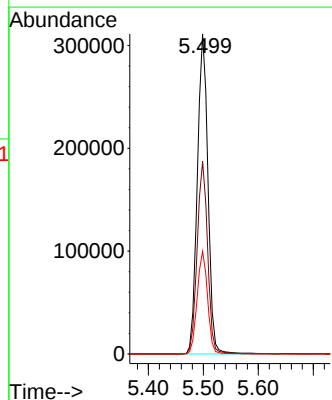
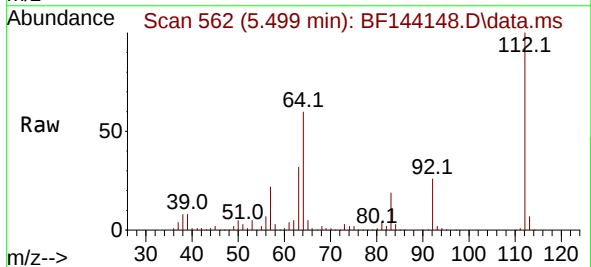
Instrument :
 BNA_F
 ClientSampleId :
 TP5

Tgt Ion:152 Resp: 69071
 Ion Ratio Lower Upper
 152 100
 150 156.2 124.4 186.6
 115 60.5 49.4 74.0



#5
 2-Fluorophenol
 Concen: 95.948 ng
 RT: 5.499 min Scan# 562
 Delta R.T. 0.006 min
 Lab File: BF144148.D
 Acq: 30 Oct 2025 19:04

Tgt Ion:112 Resp: 418888
 Ion Ratio Lower Upper
 112 100
 64 60.2 49.8 74.8
 63 32.1 27.4 41.2

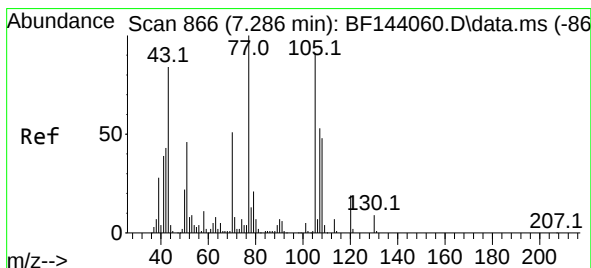
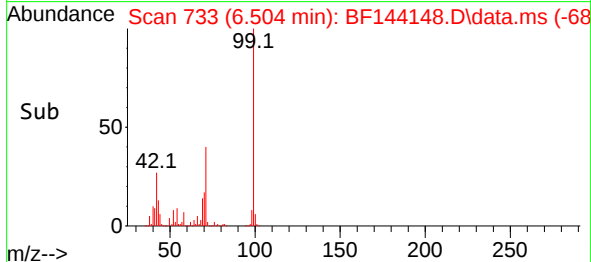
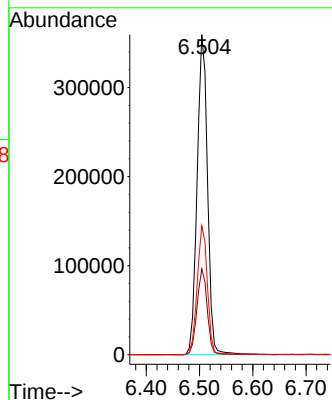
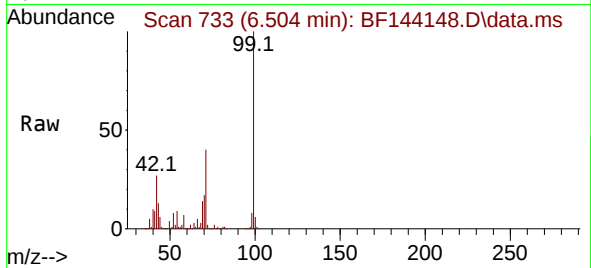




#7
Phenol-d6
Concen: 101.413 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF144148.D
Acq: 30 Oct 2025 19:04

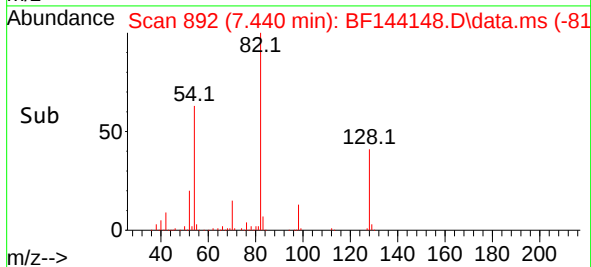
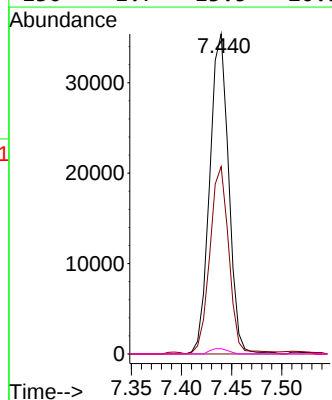
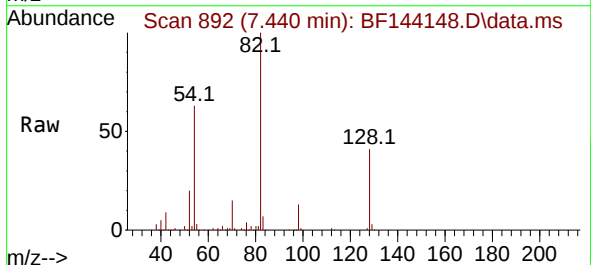
Instrument :
BNA_F
ClientSampleId :
TP5

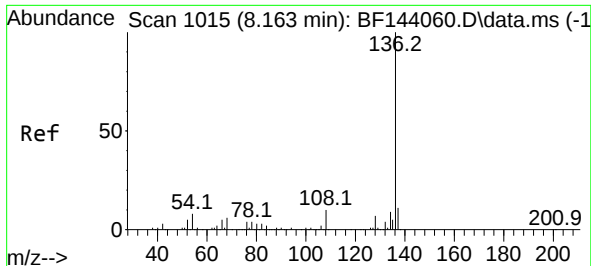
Tgt Ion: 99 Resp: 488964
Ion Ratio Lower Upper
99 100
42 26.8 23.9 35.9
71 40.2 34.4 51.6



#19
n-Nitroso-di-n-propylamine
Concen: 14.958 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.153 min
Lab File: BF144148.D
Acq: 30 Oct 2025 19:04

Tgt Ion: 70 Resp: 46638
Ion Ratio Lower Upper
70 100
42 58.6 67.4 101.0#
101 0.0 7.1 10.7#
130 1.7 13.5 20.3#



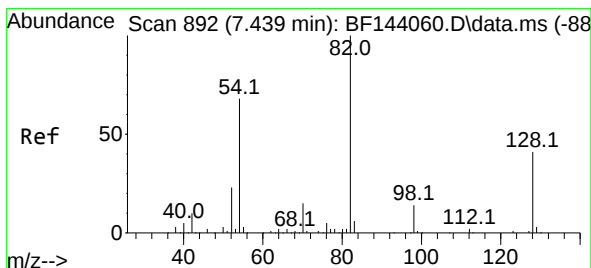
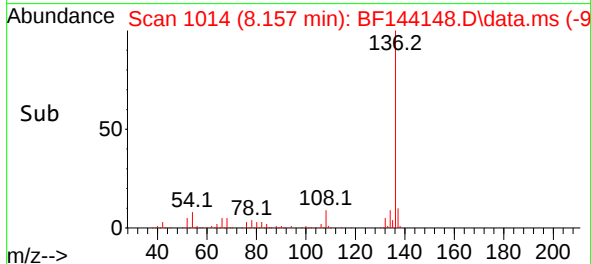
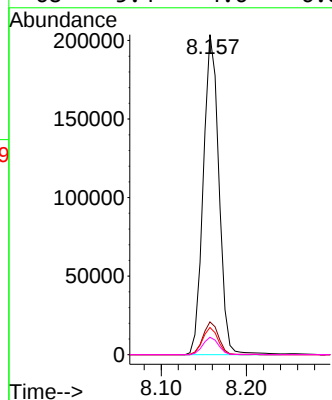
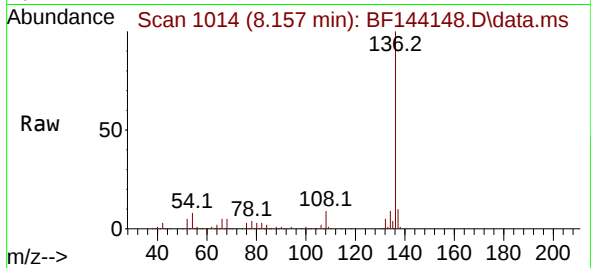


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF144148.D
Acq: 30 Oct 2025 19:04

Instrument :
BNA_F
ClientSampleId :
TP5

Tgt Ion:136 Resp: 259727

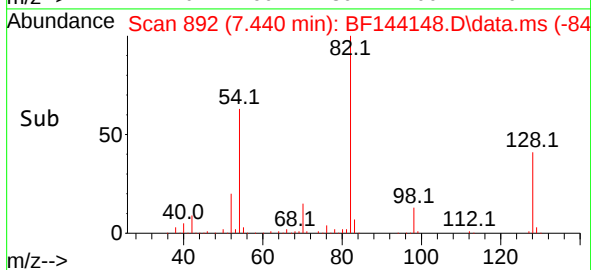
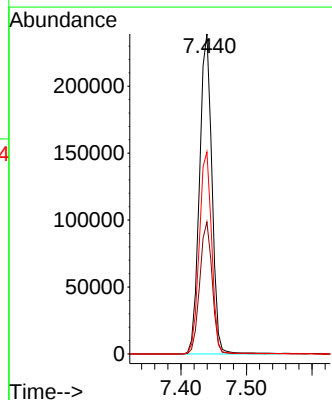
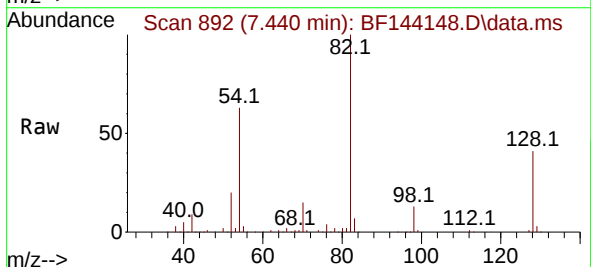
Ion	Ratio	Lower	Upper
136	100		
137	10.2	8.6	13.0
54	8.5	6.6	9.8
68	5.4	4.6	6.8

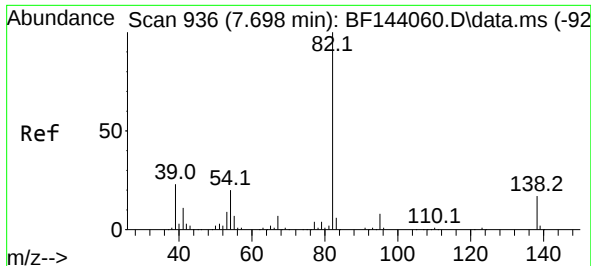


#23
Nitrobenzene-d5
Concen: 66.678 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.000 min
Lab File: BF144148.D
Acq: 30 Oct 2025 19:04

Tgt Ion: 82 Resp: 316099

Ion	Ratio	Lower	Upper
82	100		
128	41.3	32.4	48.6
54	63.1	54.0	81.0

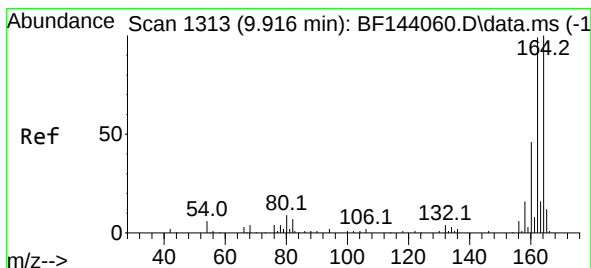
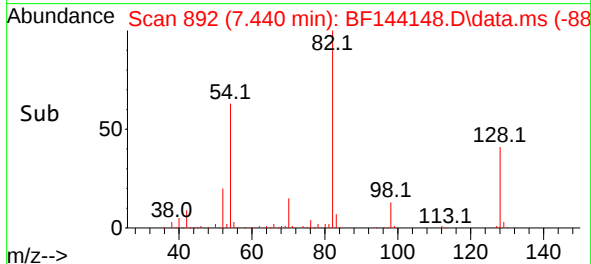
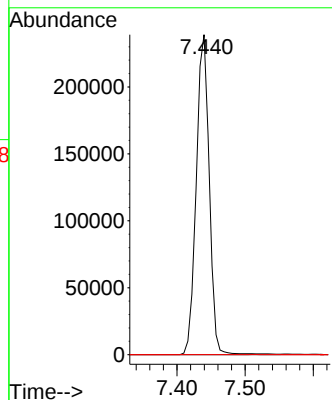
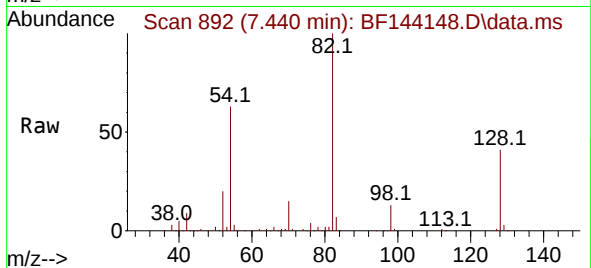




#25
Isophorone
Concen: 38.138 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.259 min
Lab File: BF144148.D
Acq: 30 Oct 2025 19:04

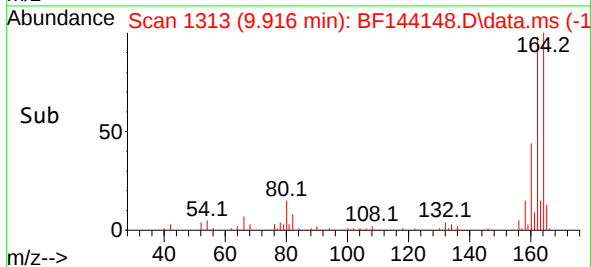
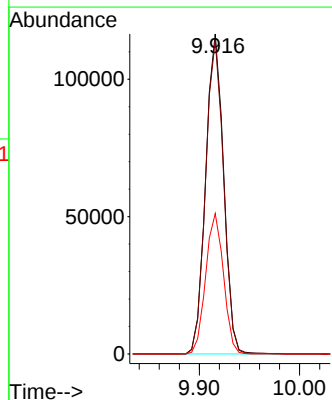
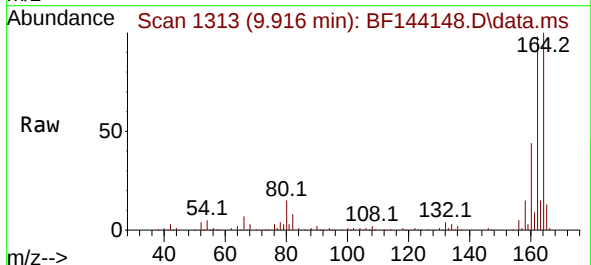
Instrument :
BNA_F
ClientSampleId :
TP5

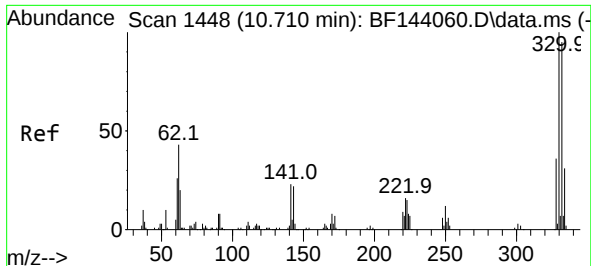
Tgt Ion: 82 Resp: 316096
Ion Ratio Lower Upper
82 100
95 0.0 6.6 9.8#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BF144148.D
Acq: 30 Oct 2025 19:04

Tgt Ion:164 Resp: 145089
Ion Ratio Lower Upper
164 100
162 98.0 79.4 119.2
160 43.9 36.7 55.1

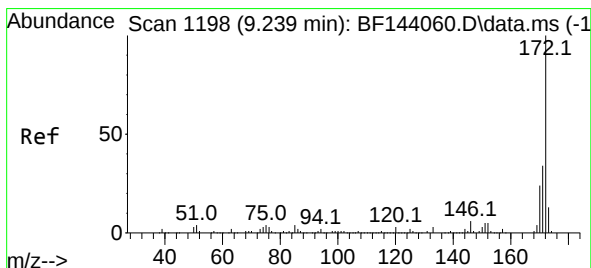
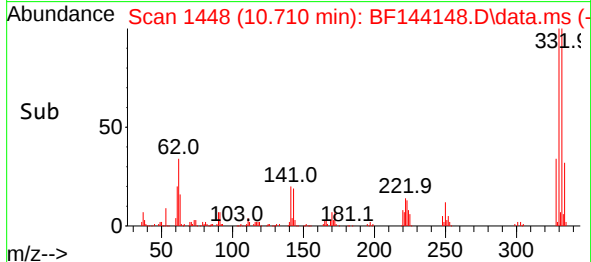
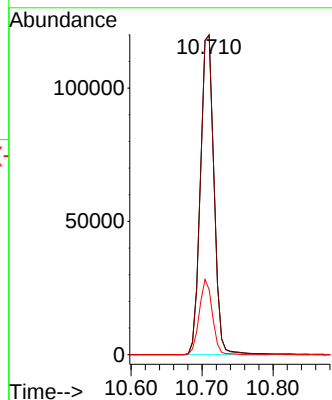
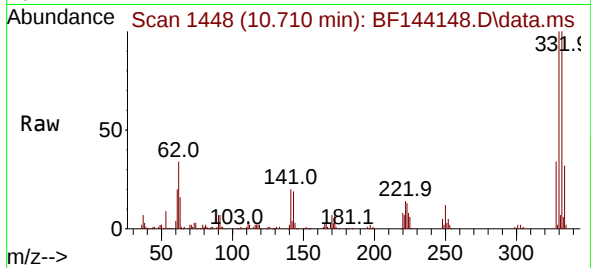




#42
2,4,6-Tribromophenol
Concen: 86.634 ng
RT: 10.710 min Scan# 1448
Delta R.T. 0.000 min
Lab File: BF144148.D
Acq: 30 Oct 2025 19:04

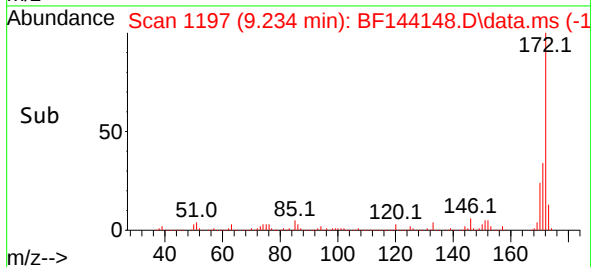
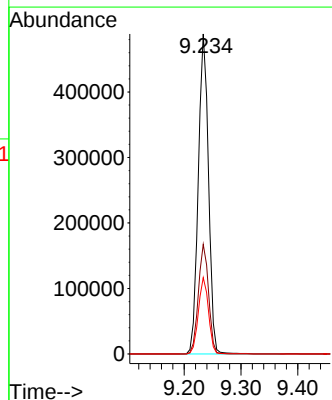
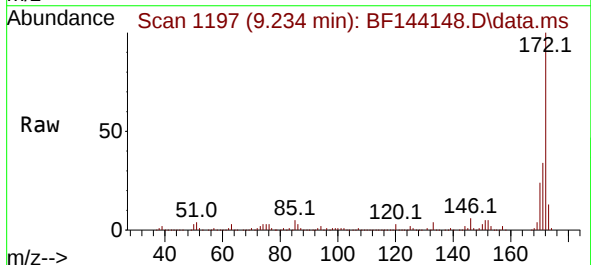
Instrument :
BNA_F
ClientSampleId :
TP5

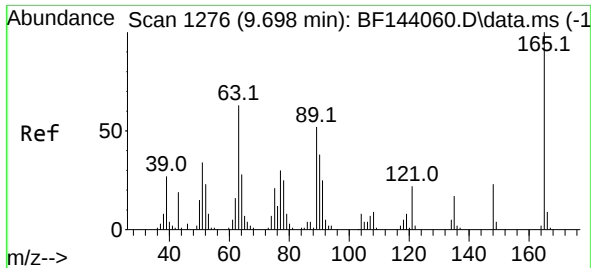
Tgt Ion:330 Resp: 160113
Ion Ratio Lower Upper
330 100
332 99.6 77.0 115.6
141 22.6 19.4 29.0



#45
2-Fluorobiphenyl
Concen: 59.481 ng
RT: 9.234 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BF144148.D
Acq: 30 Oct 2025 19:04

Tgt Ion:172 Resp: 613266
Ion Ratio Lower Upper
172 100
171 34.2 27.5 41.3
170 23.9 19.0 28.6

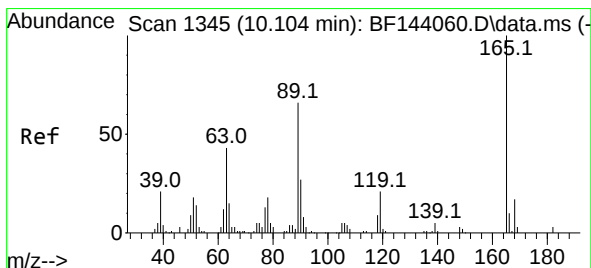
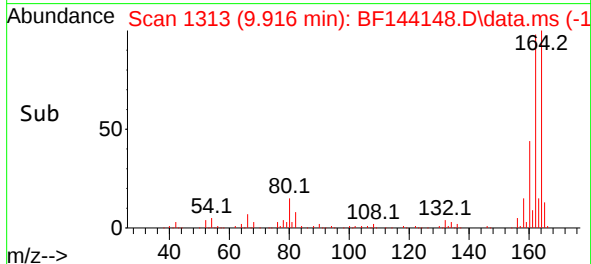
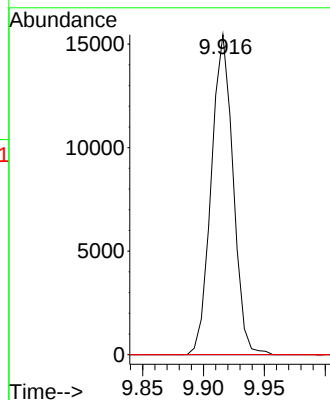
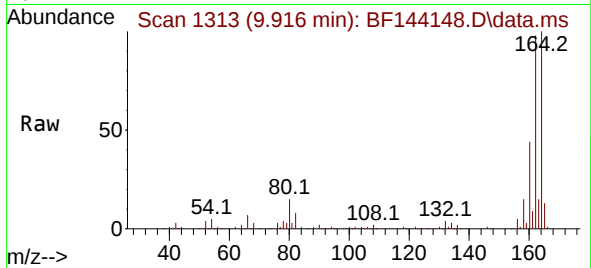




#51
2,6-Dinitrotoluene
Concen: 10.258 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF144148.D
Acq: 30 Oct 2025 19:04

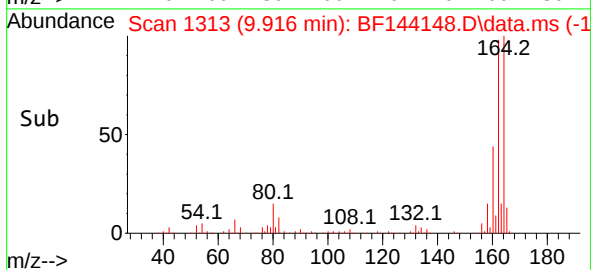
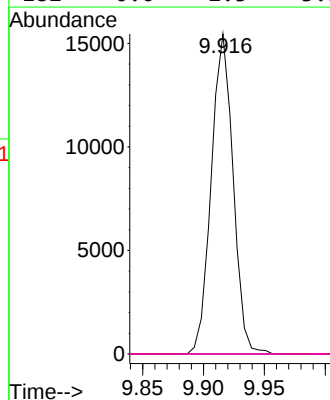
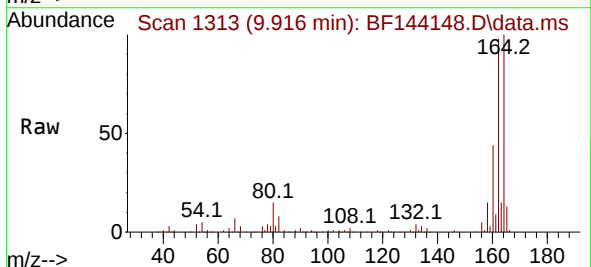
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ClientSampleId :
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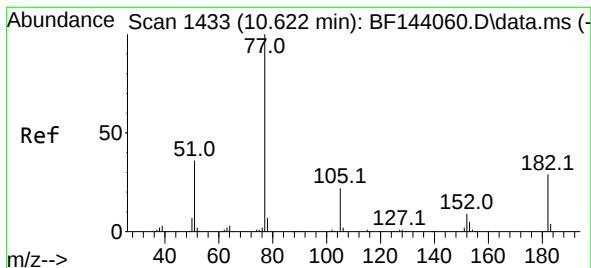
Tgt Ion:165 Resp: 19286
Ion Ratio Lower Upper
165 100
63 0.0 50.4 75.6#
89 0.0 41.4 62.2#



#57
2,4-Dinitrotoluene
Concen: 7.601 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.188 min
Lab File: BF144148.D
Acq: 30 Oct 2025 19:04

Tgt Ion:165 Resp: 19286
Ion Ratio Lower Upper
165 100
63 0.0 35.4 53.2#
89 0.0 52.7 79.1#
182 0.0 2.3 3.5#





#63

Azobenzene

Concen: 4.390 ng

RT: 10.628 min Scan# 1433

Delta R.T. 0.006 min

Lab File: BF144148.D

Acq: 30 Oct 2025 19:04

Instrument :

BNA_F

ClientSampleId :

TP5

Tgt Ion: 77 Resp: 37164

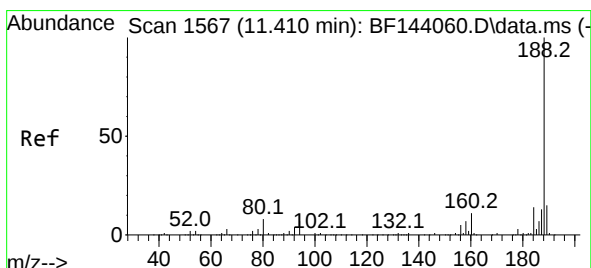
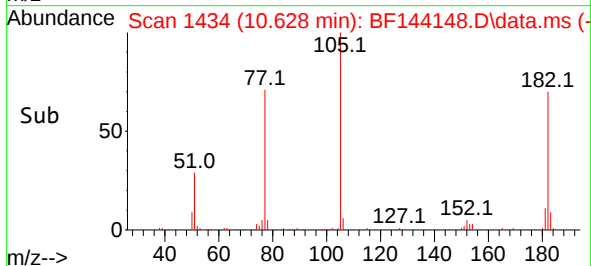
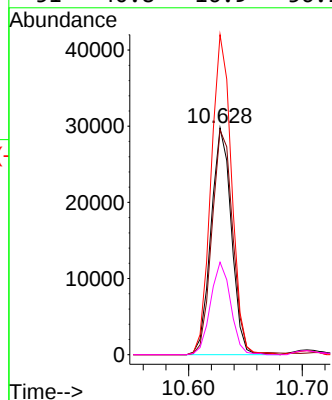
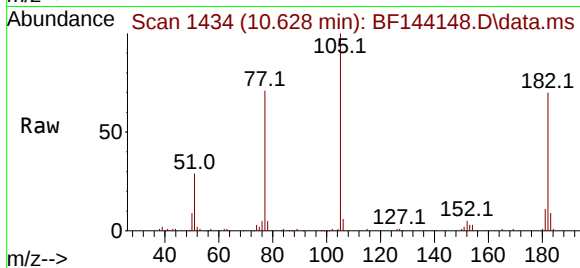
Ion Ratio Lower Upper

77 100

182 99.0 9.0 49.0#

105 141.0 1.4 41.4#

51 40.8 16.9 56.9



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1566

Delta R.T. -0.006 min

Lab File: BF144148.D

Acq: 30 Oct 2025 19:04

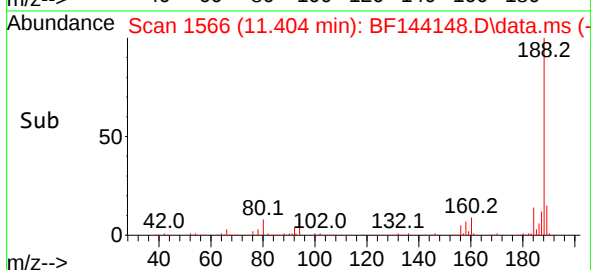
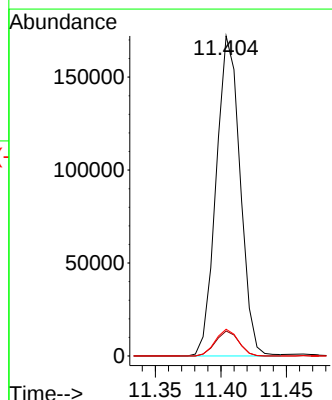
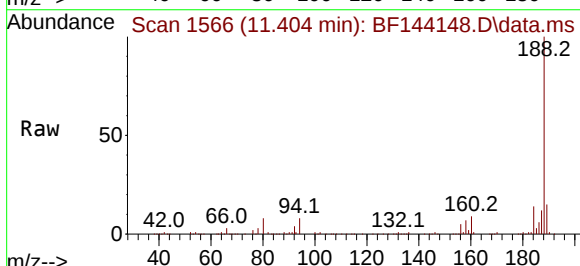
Tgt Ion:188 Resp: 218527

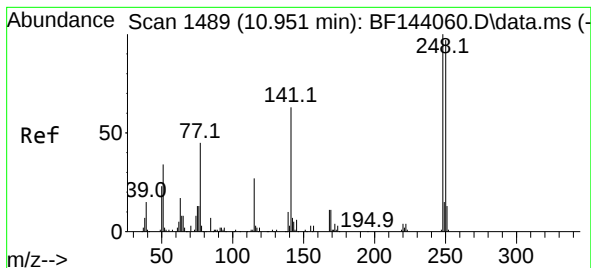
Ion Ratio Lower Upper

188 100

94 7.8 5.4 8.0

80 8.4 6.0 9.0

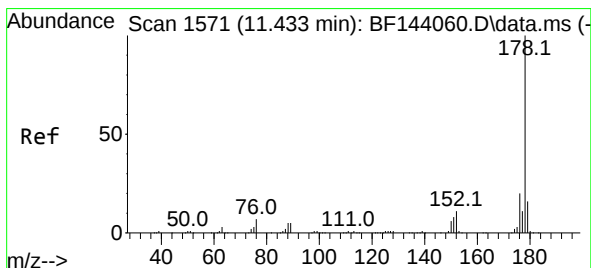
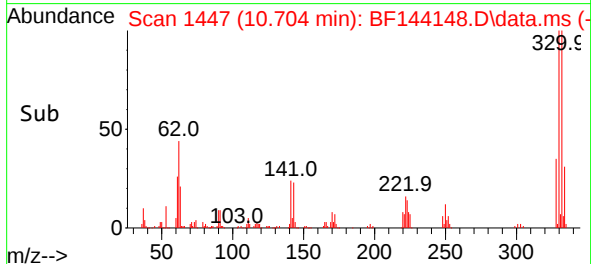
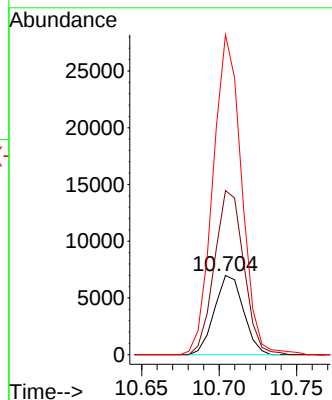
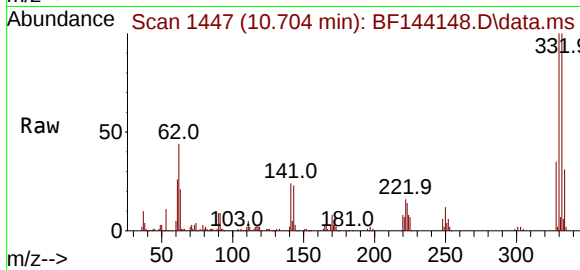




#67
4-Bromophenyl-phenylether
Concen: 3.320 ng
RT: 10.704 min Scan# 1489
Delta R.T. -0.247 min
Lab File: BF144148.D
Acq: 30 Oct 2025 19:04

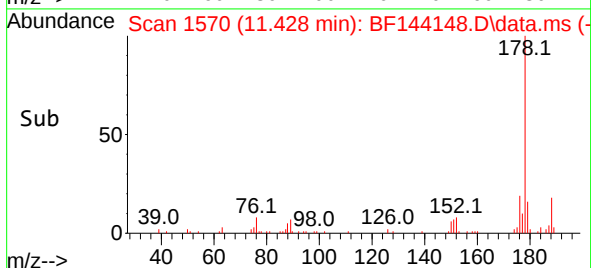
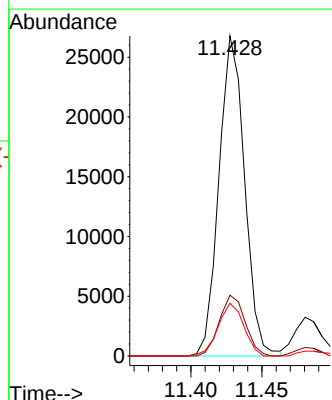
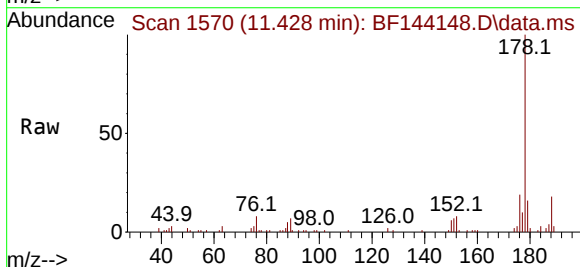
Instrument :
BNA_F
ClientSampleId :
TP5

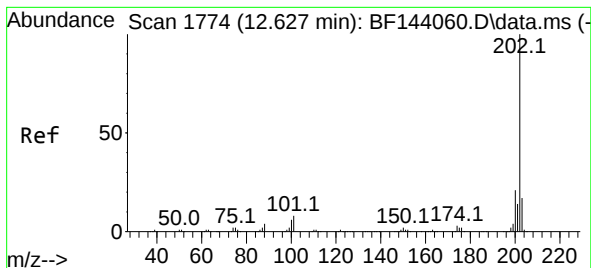
Tgt Ion:248 Resp: 9083
Ion Ratio Lower Upper
248 100
250 207.5 77.8 116.6#
141 404.4 50.5 75.7#



#71
Phenanthrene
Concen: 3.099 ng
RT: 11.428 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF144148.D
Acq: 30 Oct 2025 19:04

Tgt Ion:178 Resp: 33645
Ion Ratio Lower Upper
178 100
176 19.0 16.3 24.5
179 16.4 12.6 18.8





#75

Fluoranthene

Concen: 2.169 ng

RT: 12.622 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF144148.D

Acq: 30 Oct 2025 19:04

Instrument :

BNA_F

ClientSampleId :

TP5

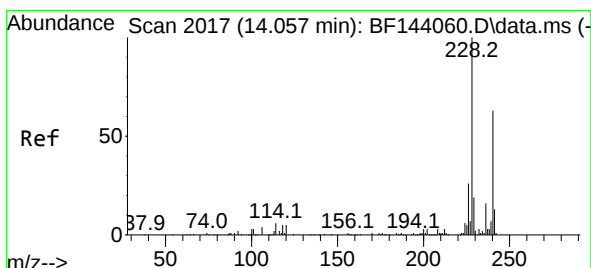
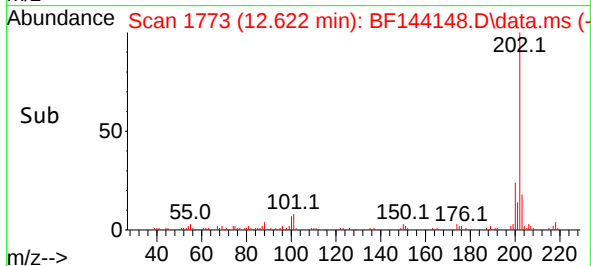
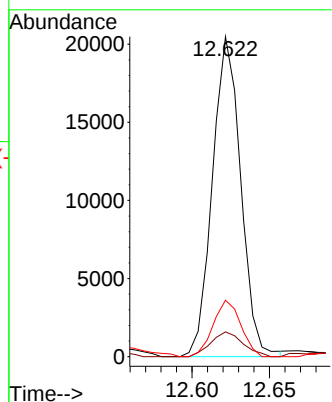
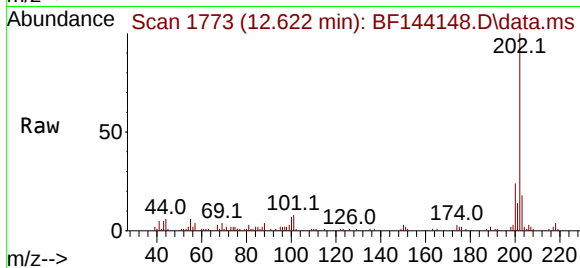
Tgt Ion:202 Resp: 26018

Ion Ratio Lower Upper

202 100

101 7.8 0.0 27.7

203 17.7 0.0 37.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF144148.D

Acq: 30 Oct 2025 19:04

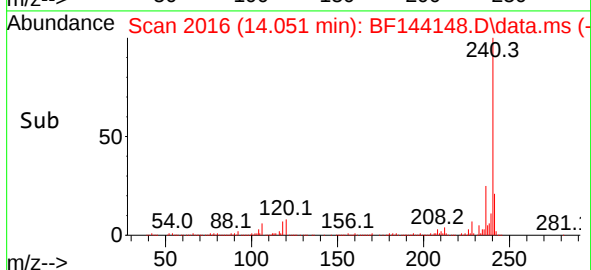
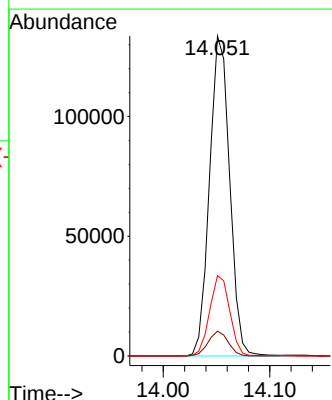
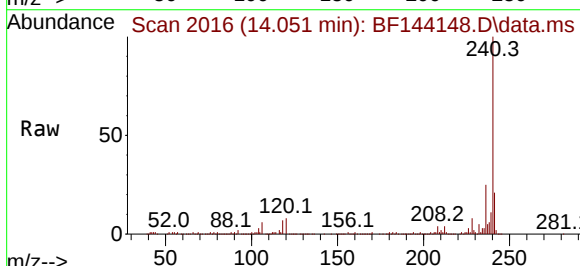
Tgt Ion:240 Resp: 175263

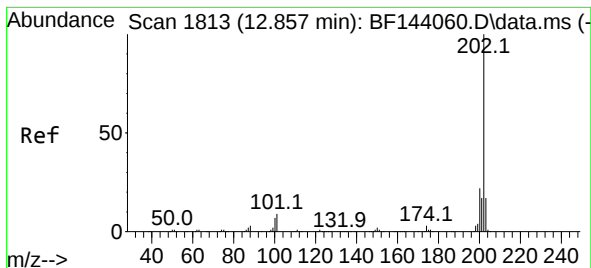
Ion Ratio Lower Upper

240 100

120 7.8 6.5 9.7

236 25.1 20.1 30.1





#78

Pyrene

Concen: 3.987 ng

RT: 12.851 min Scan# 1813

Delta R.T. -0.006 min

Lab File: BF144148.D

Acq: 30 Oct 2025 19:04

Instrument :

BNA_F

ClientSampleId :

TP5

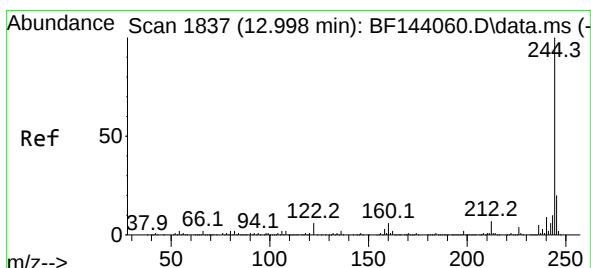
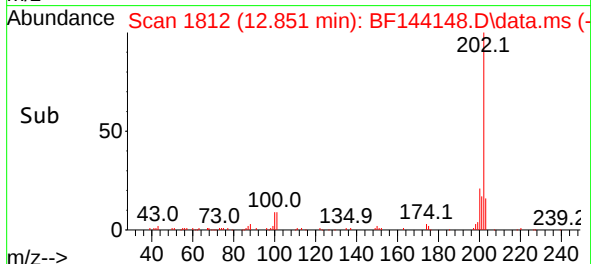
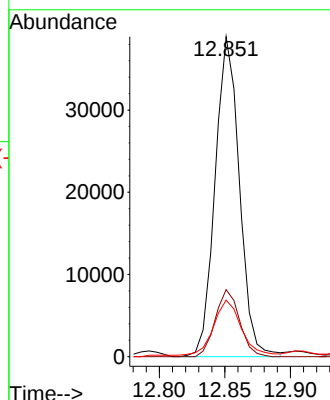
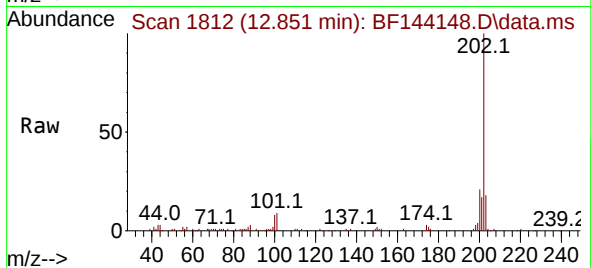
Tgt Ion:202 Resp: 50239

Ion Ratio Lower Upper

202 100

200 20.9 17.2 25.8

203 17.6 13.5 20.3



#79

Terphenyl-d14

Concen: 48.071 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF144148.D

Acq: 30 Oct 2025 19:04

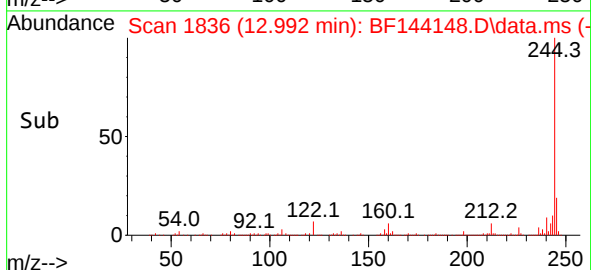
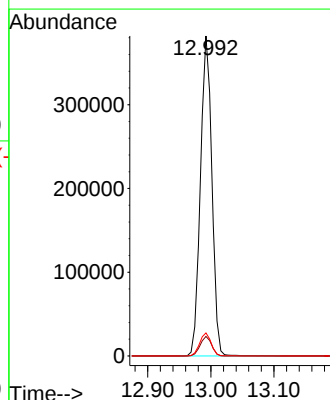
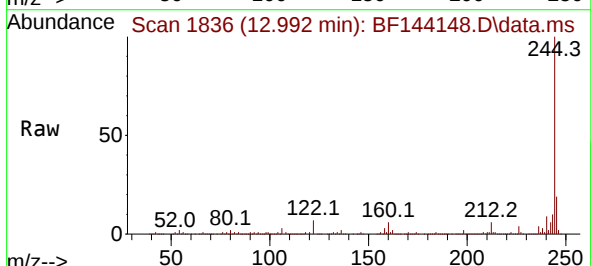
Tgt Ion:244 Resp: 481920

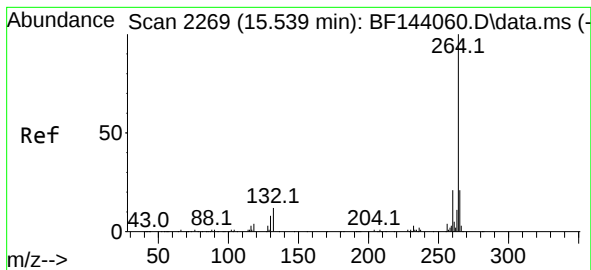
Ion Ratio Lower Upper

244 100

212 6.1 5.8 8.6

122 7.2 4.9 7.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF144148.D

Acq: 30 Oct 2025 19:04

Instrument :

BNA_F

ClientSampleId :

TP5

Tgt Ion:264 Resp: 228610

Ion Ratio Lower Upper

264 100

260 22.1 17.0 25.4

265 21.2 16.6 24.8

