

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102825\
 Data File : BF144117.D
 Acq On : 28 Oct 2025 23:10
 Operator : RC/JU
 Sample : Q3395-05
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PR132-S07-102116-20251017

Quant Time: Oct 29 05:48:27 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)

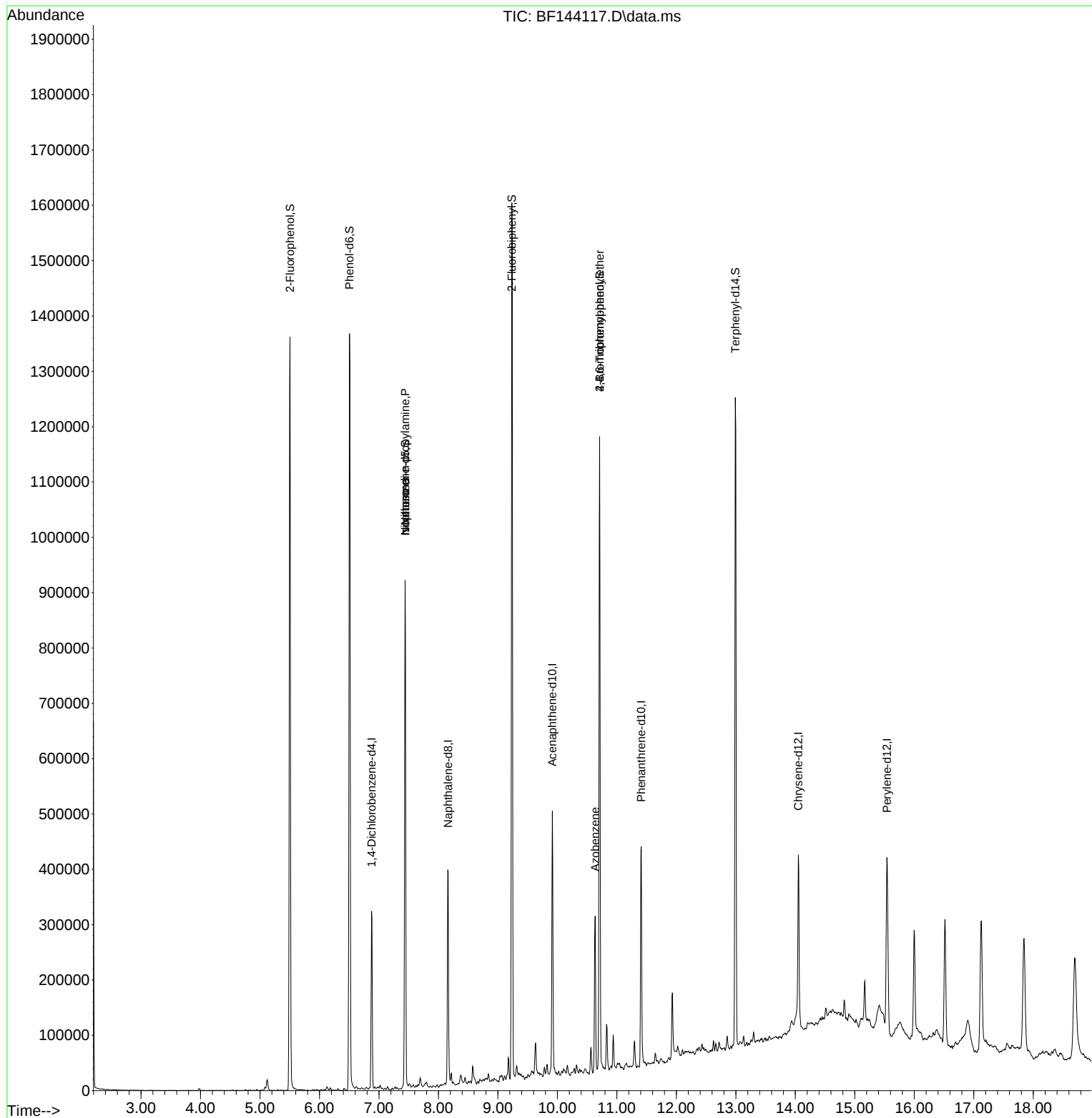
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	66498	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	257258	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	142753	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	227169	20.000	ng	0.00
76) Chrysene-d12	14.051	240	150686	20.000	ng	0.00
86) Perylene-d12	15.539	264	186576	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	516583	122.904	ng	0.01
7) Phenol-d6	6.504	99	599806	129.215	ng	0.00
23) Nitrobenzene-d5	7.439	82	394102	83.930	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	231172	127.130	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	748060	73.742	ng	0.00
79) Terphenyl-d14	12.992	244	637701	73.984	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.439	70	56716	18.894	ng	Qvalue # 76
25) Isophorone	7.439	82	387930	47.255	ng	# 66
63) Azobenzene	10.633	77	71706	8.609	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	13129	4.616	ng	# 1

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

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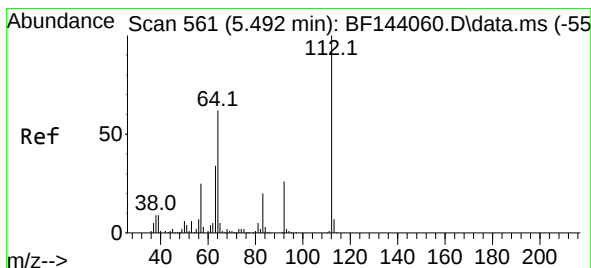
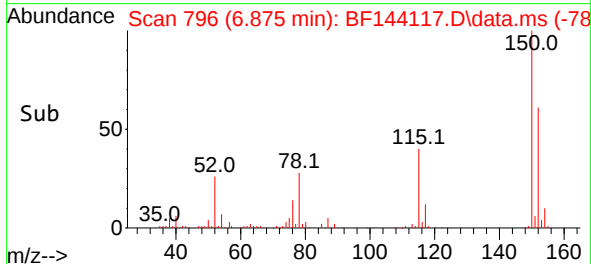
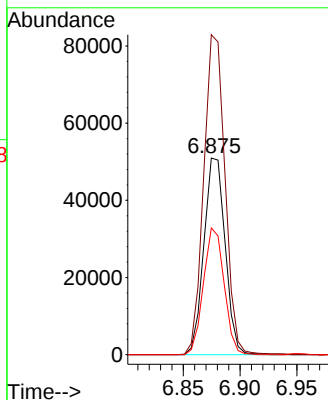
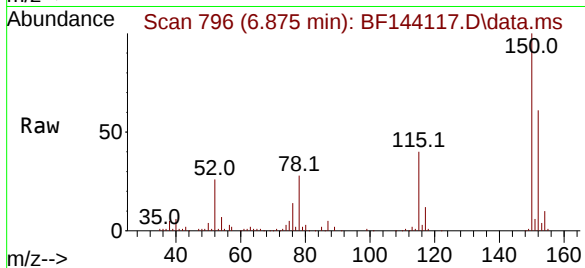




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF144117.D
Acq: 28 Oct 2025 23:10

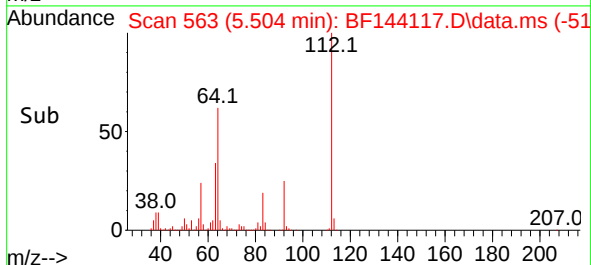
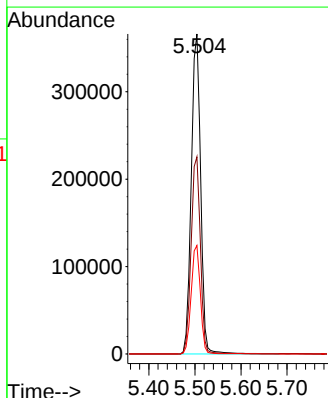
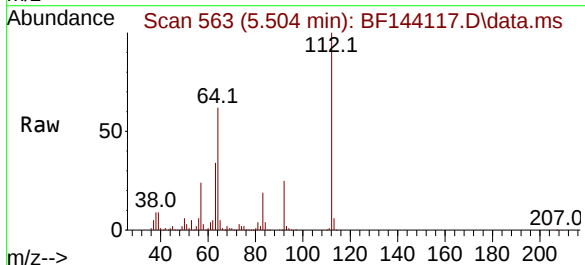
Instrument :
BNA_F
ClientSampleId :
PR132-S07-102116-20251017

Tgt Ion:152 Resp: 66498
Ion Ratio Lower Upper
152 100
150 162.7 124.4 186.6
115 64.5 49.4 74.0



#5
2-Fluorophenol
Concen: 122.904 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.012 min
Lab File: BF144117.D
Acq: 28 Oct 2025 23:10

Tgt Ion:112 Resp: 516583
Ion Ratio Lower Upper
112 100
64 61.6 49.8 74.8
63 33.9 27.4 41.2

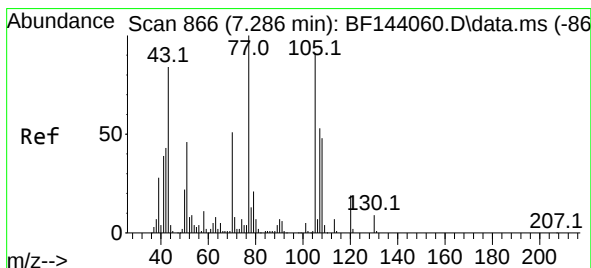
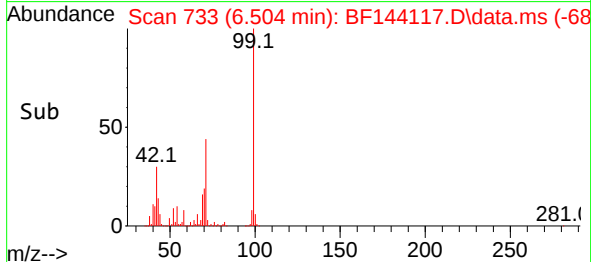
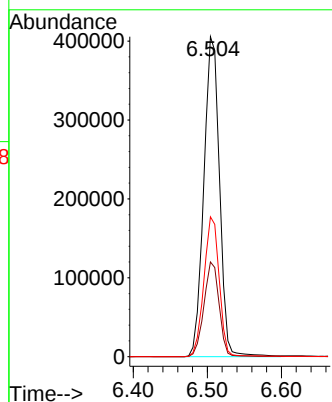
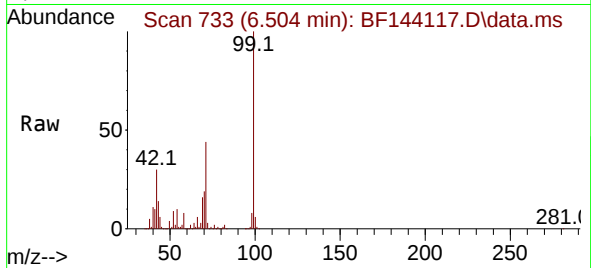




#7
Phenol-d6
Concen: 129.215 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF144117.D
Acq: 28 Oct 2025 23:10

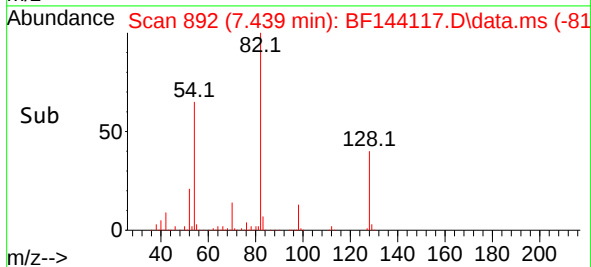
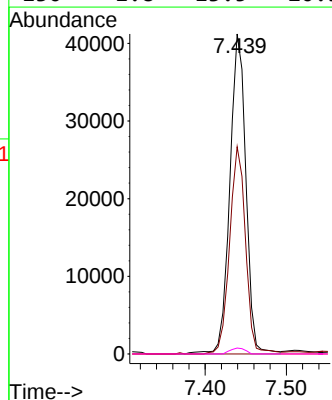
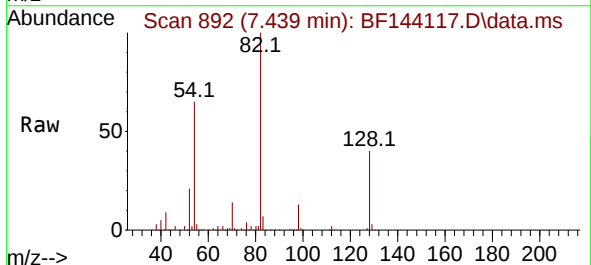
Instrument :
BNA_F
ClientSampleId :
PR132-S07-102116-20251017

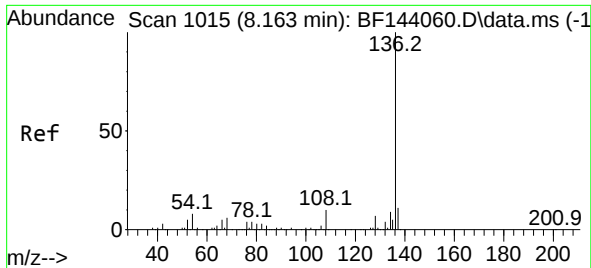
Tgt Ion: 99 Resp: 599806
Ion Ratio Lower Upper
99 100
42 29.6 23.9 35.9
71 43.7 34.4 51.6



#19
n-Nitroso-di-n-propylamine
Concen: 18.894 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.153 min
Lab File: BF144117.D
Acq: 28 Oct 2025 23:10

Tgt Ion: 70 Resp: 56716
Ion Ratio Lower Upper
70 100
42 64.8 67.4 101.0#
101 0.0 7.1 10.7#
130 1.8 13.5 20.3#

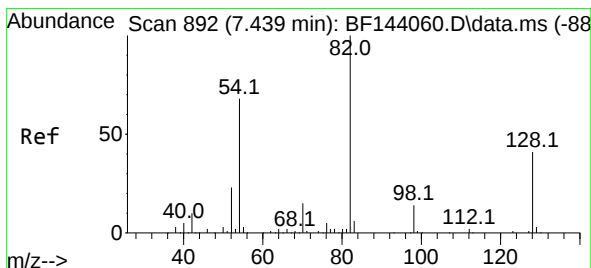
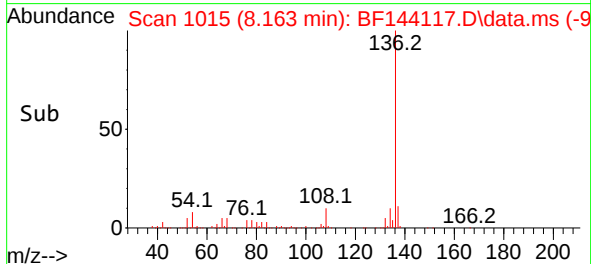
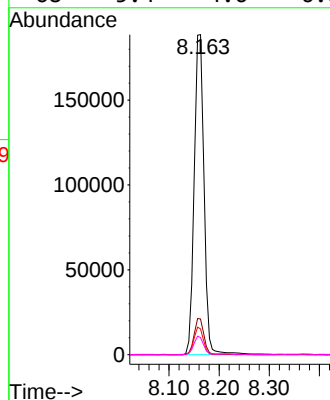
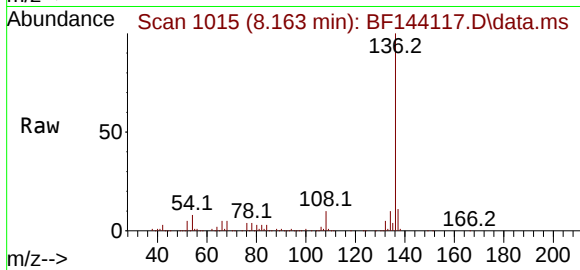




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.000 min
Lab File: BF144117.D
Acq: 28 Oct 2025 23:10

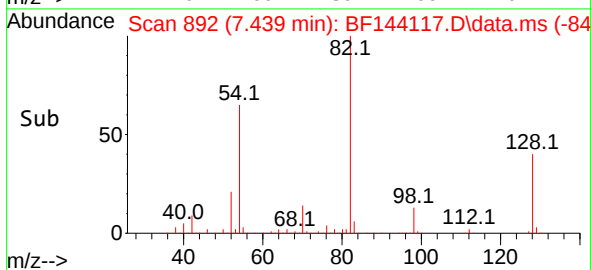
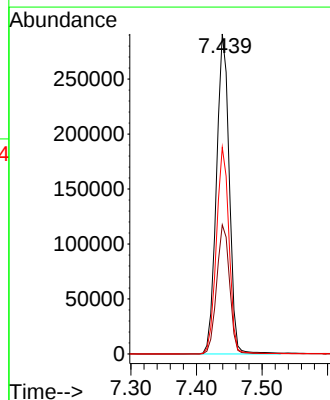
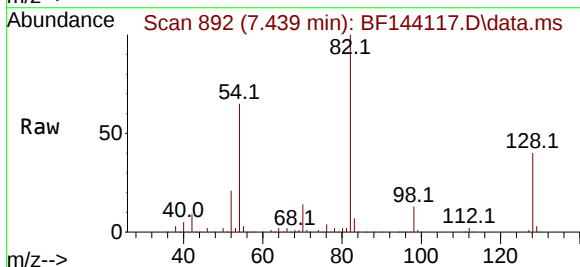
Instrument :
BNA_F
ClientSampleId :
PR132-S07-102116-20251017

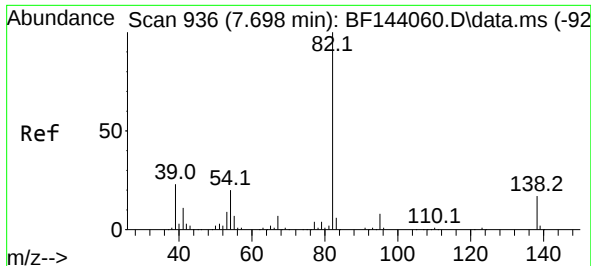
Tgt Ion:	136	Resp:	257258
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	13.0
54	8.0	6.6	9.8
68	5.4	4.6	6.8



#23
Nitrobenzene-d5
Concen: 83.930 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.000 min
Lab File: BF144117.D
Acq: 28 Oct 2025 23:10

Tgt Ion:	82	Resp:	394102
Ion	Ratio	Lower	Upper
82	100		
128	40.3	32.4	48.6
54	64.5	54.0	81.0

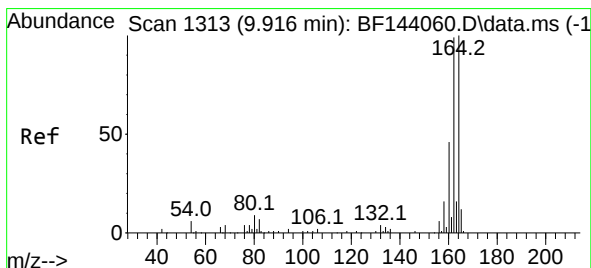
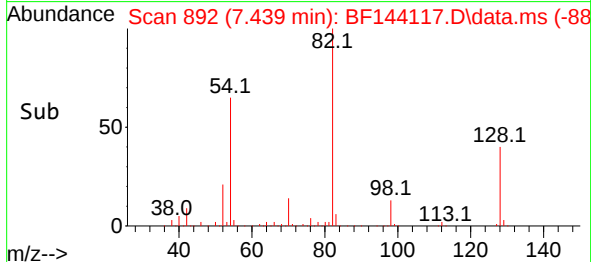
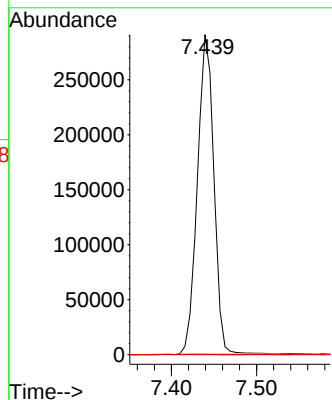
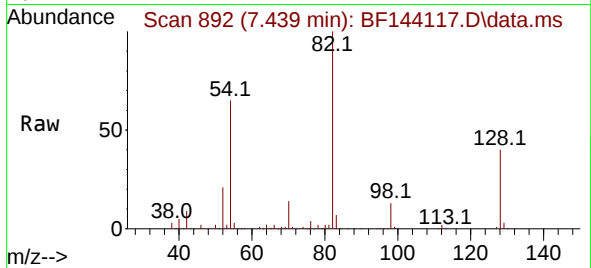




#25
Isophorone
Concen: 47.255 ng
RT: 7.439 min Scan# 89
Delta R.T. -0.259 min
Lab File: BF144117.D
Acq: 28 Oct 2025 23:10

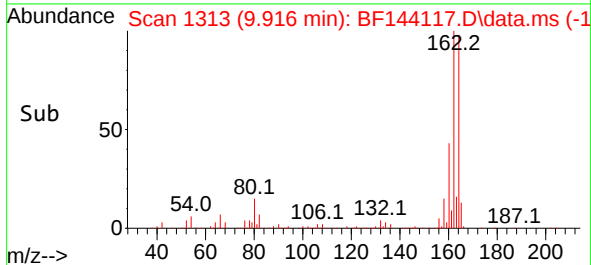
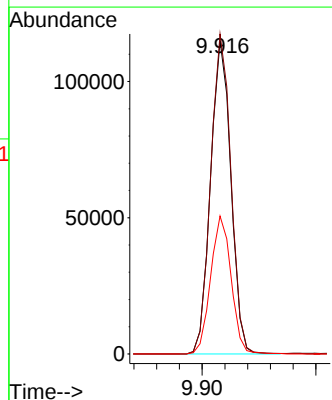
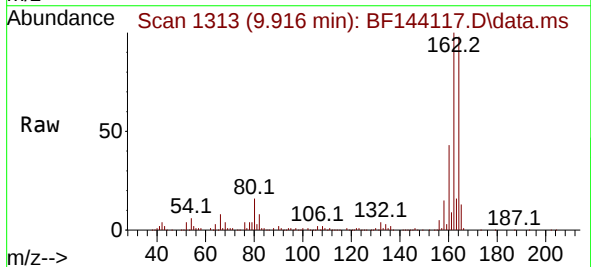
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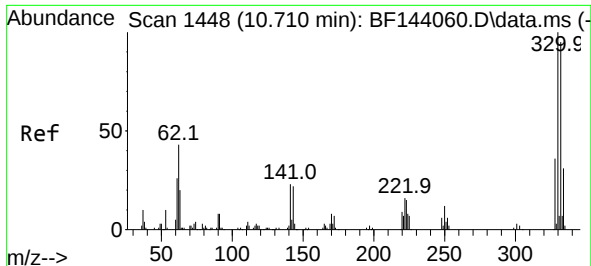
Tgt Ion: 82 Resp: 387930
Ion Ratio Lower Upper
82 100
95 0.1 6.6 9.8#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.000 min
Lab File: BF144117.D
Acq: 28 Oct 2025 23:10

Tgt Ion:164 Resp: 142753
Ion Ratio Lower Upper
164 100
162 102.1 79.4 119.2
160 44.0 36.7 55.1

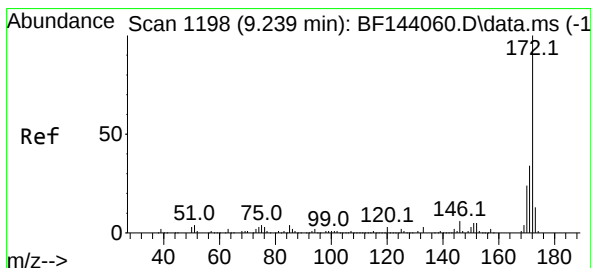
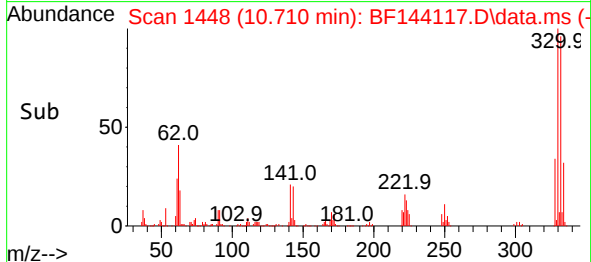
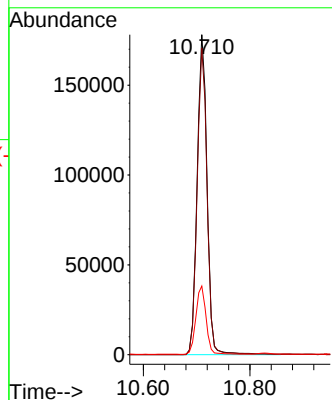
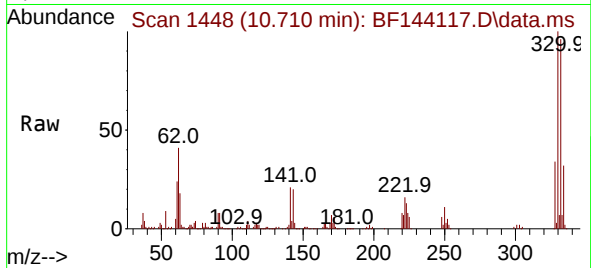




#42
2,4,6-Tribromophenol
Concen: 127.130 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.000 min
Lab File: BF144117.D
Acq: 28 Oct 2025 23:10

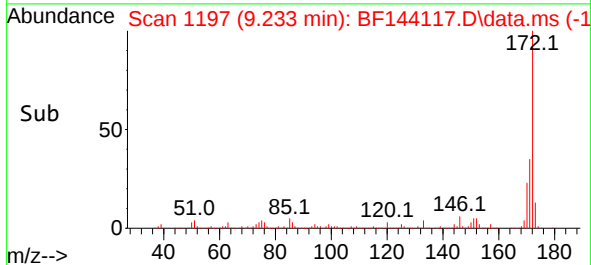
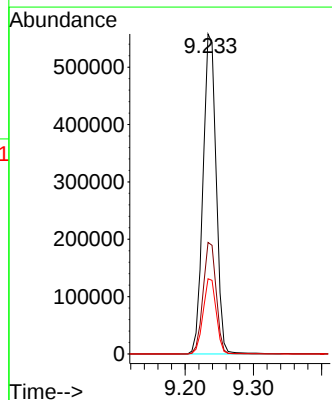
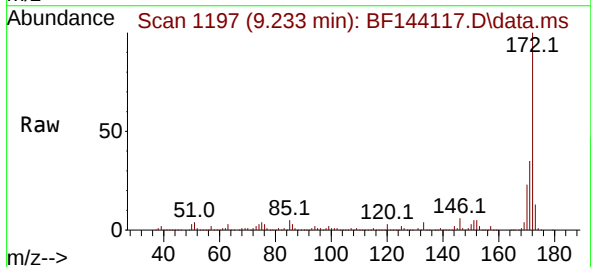
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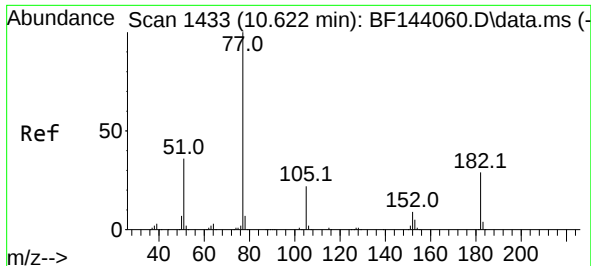
Tgt Ion:330 Resp: 231172
Ion Ratio Lower Upper
330 100
332 95.8 77.0 115.6
141 21.8 19.4 29.0



#45
2-Fluorobiphenyl
Concen: 73.742 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BF144117.D
Acq: 28 Oct 2025 23:10

Tgt Ion:172 Resp: 748060
Ion Ratio Lower Upper
172 100
171 34.9 27.5 41.3
170 23.5 19.0 28.6

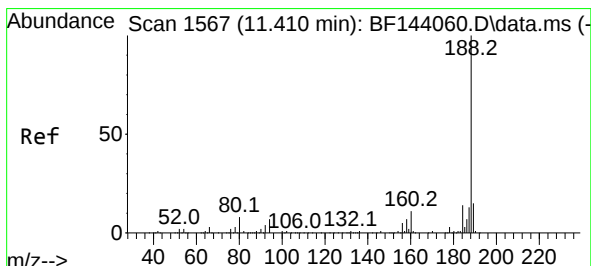
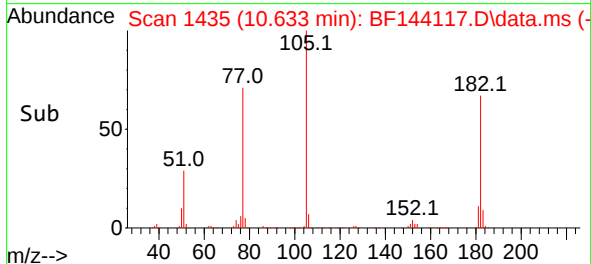
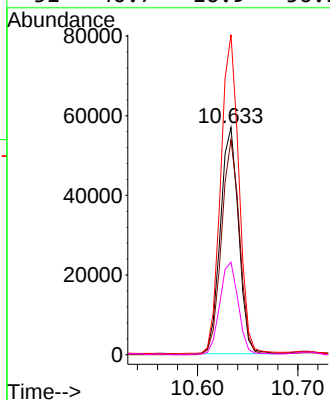
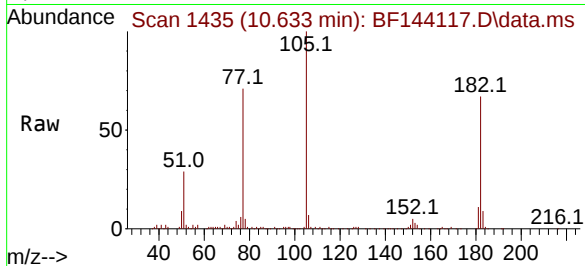




#63
Azobenzene
Concen: 8.609 ng
RT: 10.633 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF144117.D
Acq: 28 Oct 2025 23:10

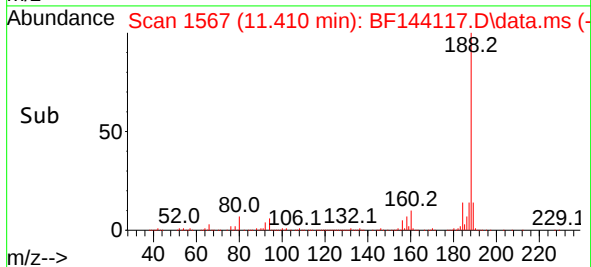
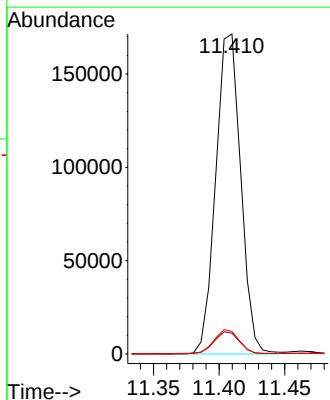
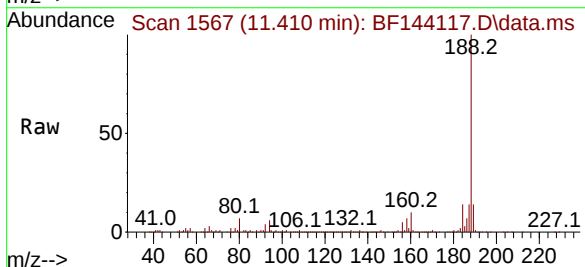
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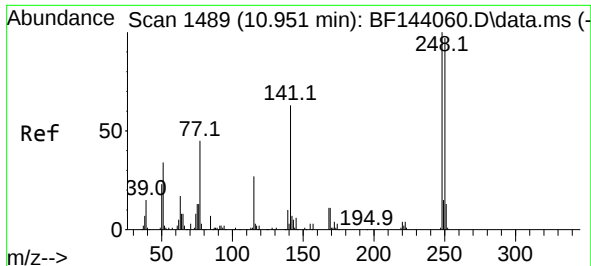
Tgt Ion:	77	Resp:	71706
Ion	Ratio	Lower	Upper
77	100		
182	94.6	9.0	49.0#
105	140.9	1.4	41.4#
51	40.7	16.9	56.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.000 min
Lab File: BF144117.D
Acq: 28 Oct 2025 23:10

Tgt Ion:	188	Resp:	227169
Ion	Ratio	Lower	Upper
188	100		
94	6.5	5.4	8.0
80	7.1	6.0	9.0

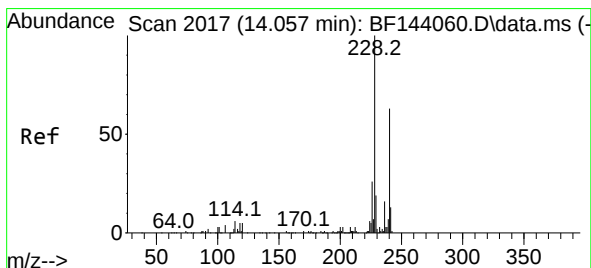
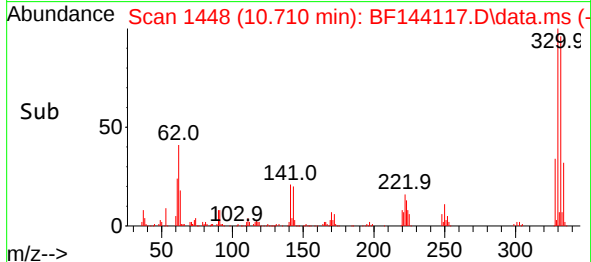
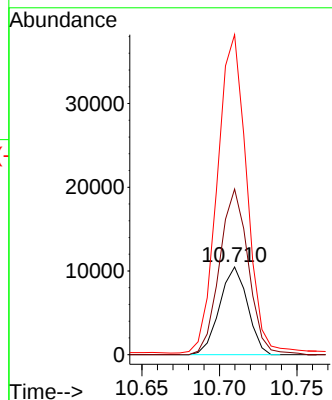
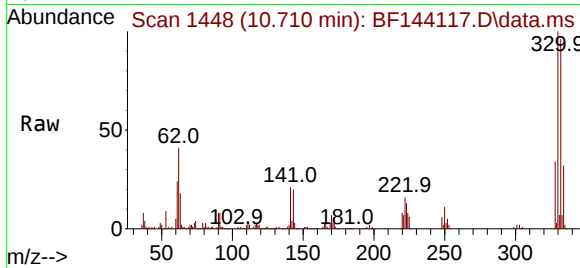




#67
4-Bromophenyl-phenylether
Concen: 4.616 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.241 min
Lab File: BF144117.D
Acq: 28 Oct 2025 23:10

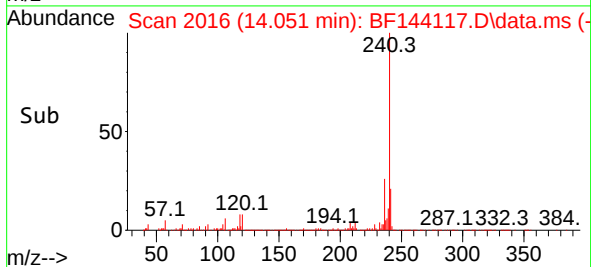
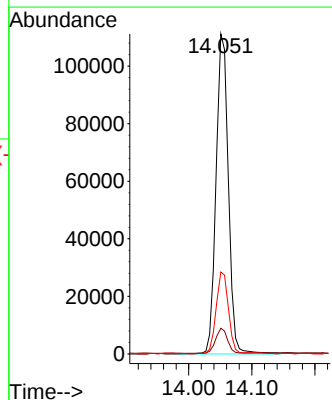
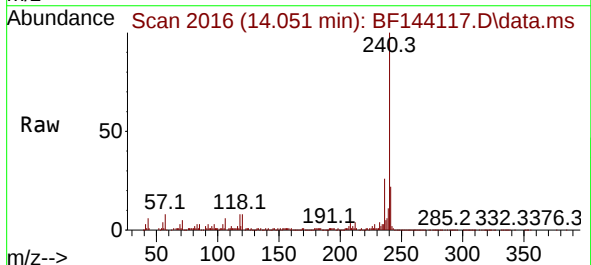
Instrument :
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PR132-S07-102116-20251017

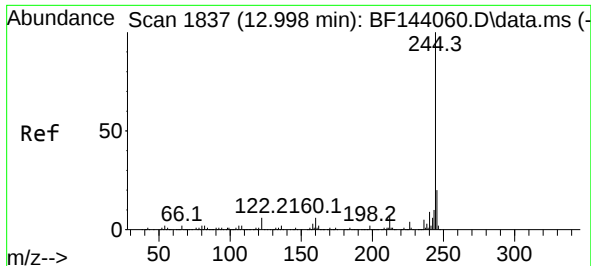
Tgt Ion:248 Resp: 13129
Ion Ratio Lower Upper
248 100
250 188.7 77.8 116.6#
141 364.7 50.5 75.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF144117.D
Acq: 28 Oct 2025 23:10

Tgt Ion:240 Resp: 150686
Ion Ratio Lower Upper
240 100
120 8.1 6.5 9.7
236 25.6 20.1 30.1

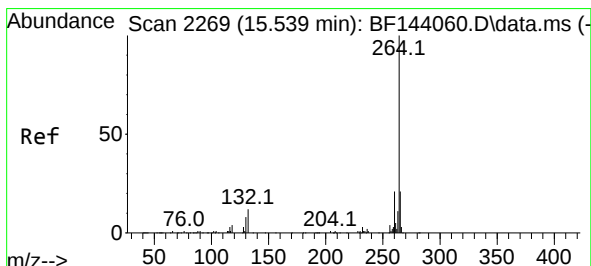
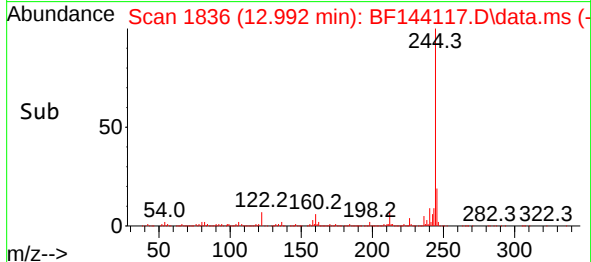
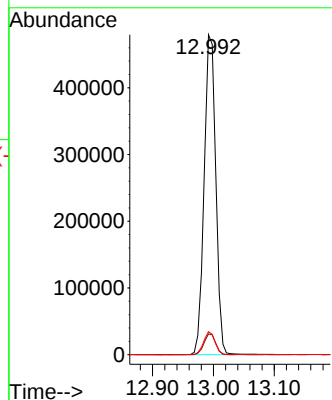
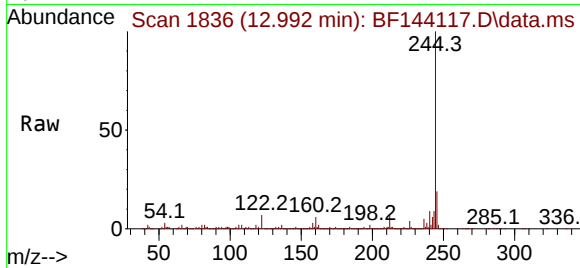




#79
 Terphenyl-d14
 Concen: 73.984 ng
 RT: 12.992 min Scan# 1836
 Delta R.T. -0.006 min
 Lab File: BF144117.D
 Acq: 28 Oct 2025 23:10

Instrument :
 BNA_F
 ClientSampleId :
 PR132-S07-102116-20251017

Tgt Ion:244 Resp: 637701
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.8 8.6
 122 7.2 4.9 7.3



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 2269
 Delta R.T. -0.000 min
 Lab File: BF144117.D
 Acq: 28 Oct 2025 23:10

Tgt Ion:264 Resp: 186576
 Ion Ratio Lower Upper
 264 100
 260 21.6 17.0 25.4
 265 20.3 16.6 24.8

