

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
 Data File : BF144091.D
 Acq On : 27 Oct 2025 19:02
 Operator : RC/JU
 Sample : Q3447-05 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-TW3-251023-01

Quant Time: Oct 28 10:41:27 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)

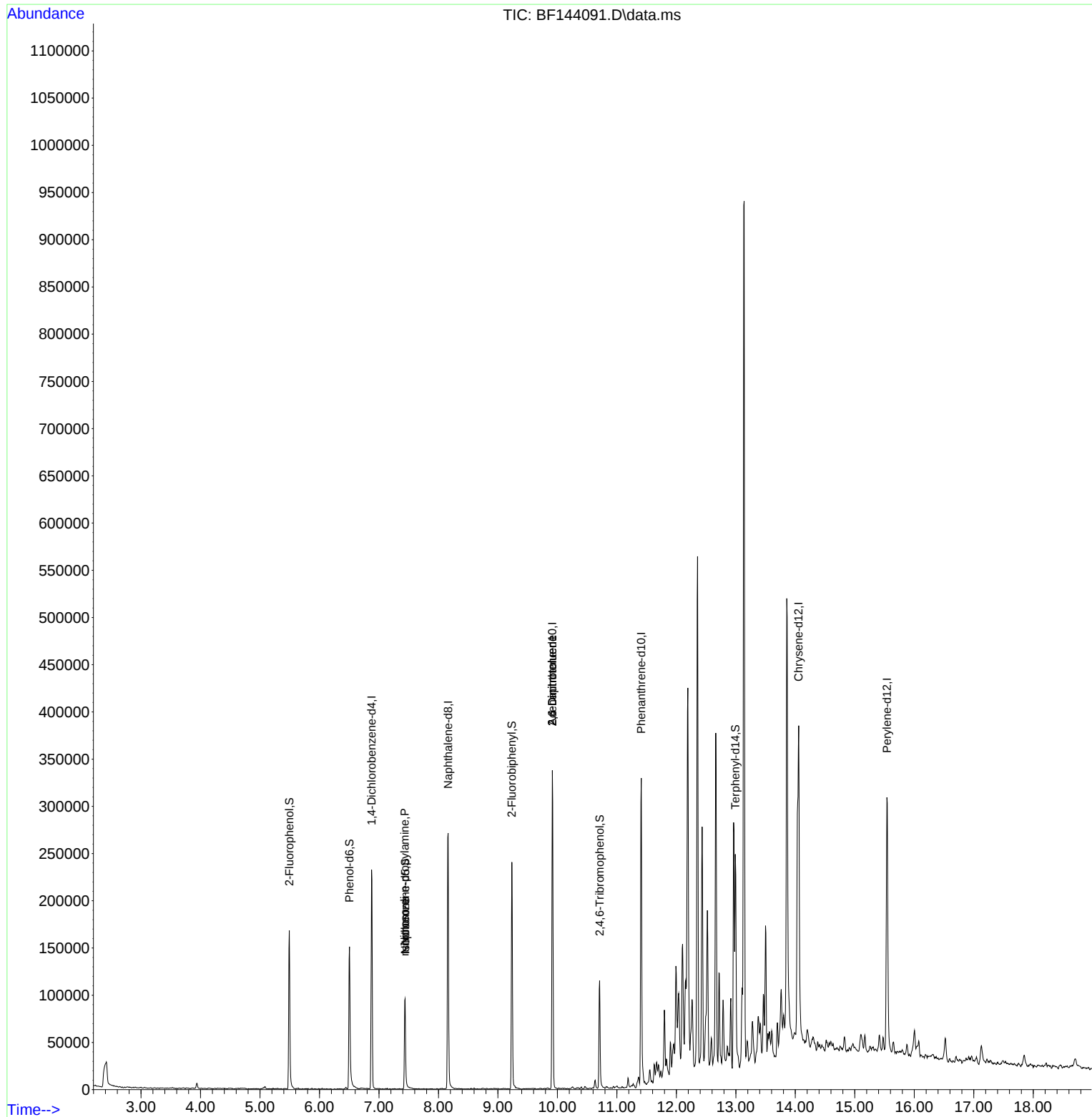
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	50493	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	184379	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	107099	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	179369	20.000	ng	0.00
76) Chrysene-d12	14.057	240	140893	20.000	ng	0.00
86) Perylene-d12	15.539	264	181449	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	69325	21.722	ng	0.00
7) Phenol-d6	6.504	99	77433	21.969	ng	0.00
23) Nitrobenzene-d5	7.439	82	46022	13.675	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	25482	18.679	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	117513	15.441	ng	0.00
79) Terphenyl-d14	12.992	244	107744	13.369	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	6169	2.707	ng	Qvalue # 85
25) Isophorone	7.439	82	46022	7.822	ng	# 66
51) 2,6-Dinitrotoluene	9.916	165	13333	9.607	ng	# 22
57) 2,4-Dinitrotoluene	9.916	165	13333	7.118	ng	# 25

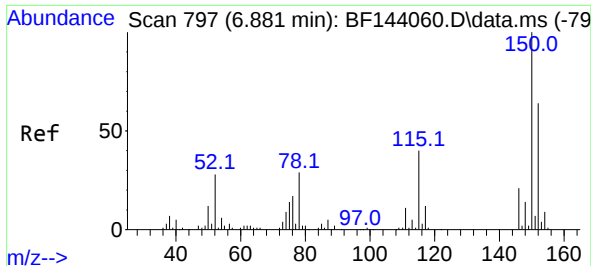
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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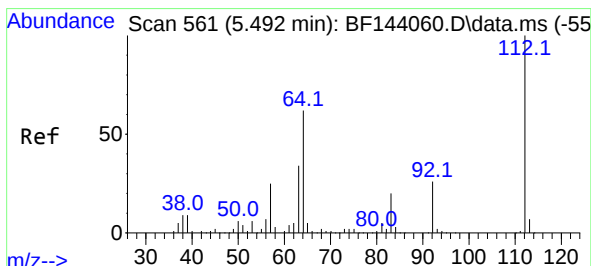
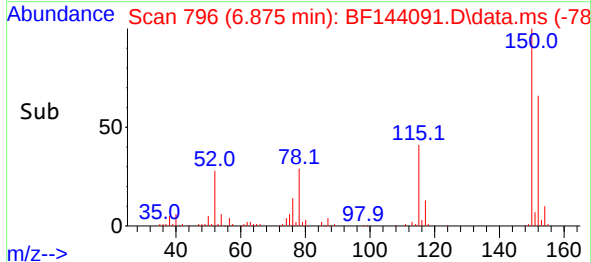
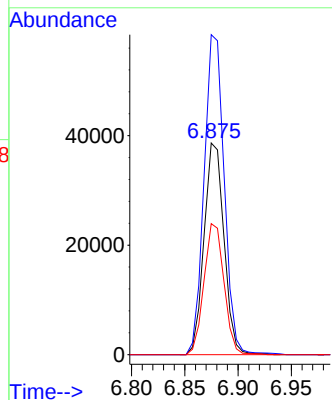
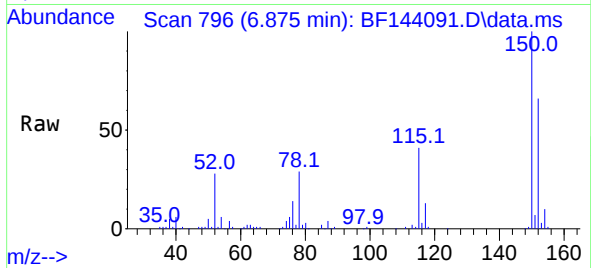




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF144091.D
Acq: 27 Oct 2025 19:02

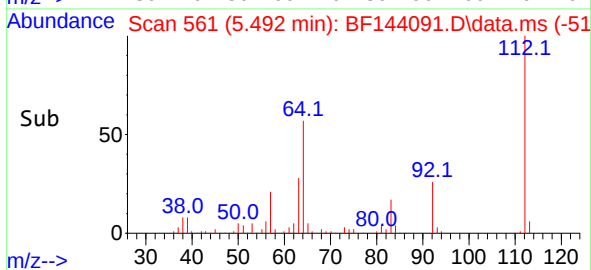
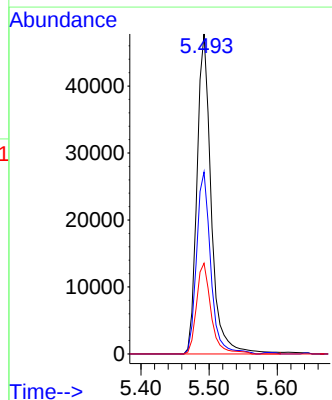
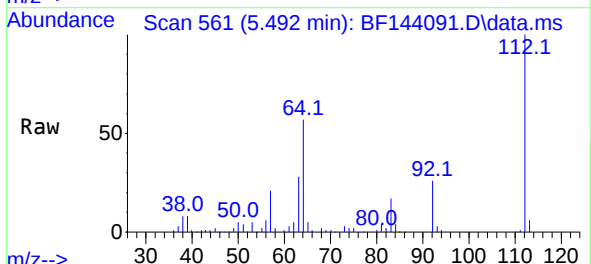
Instrument :
BNA_F
ClientSampleId :
P001-TW3-251023-01

Tgt Ion:152 Resp: 50493
Ion Ratio Lower Upper
152 100
150 151.1 124.4 186.6
115 61.9 49.4 74.0



#5
2-Fluorophenol
Concen: 21.722 ng
RT: 5.492 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF144091.D
Acq: 27 Oct 2025 19:02

Tgt Ion:112 Resp: 69325
Ion Ratio Lower Upper
112 100
64 56.8 49.8 74.8
63 28.4 27.4 41.2

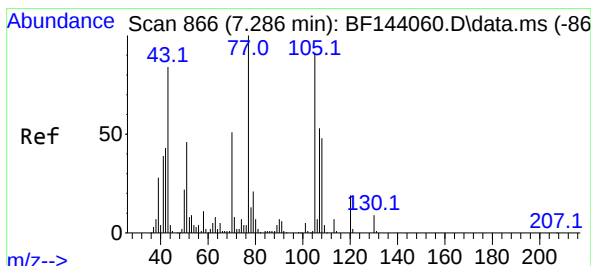
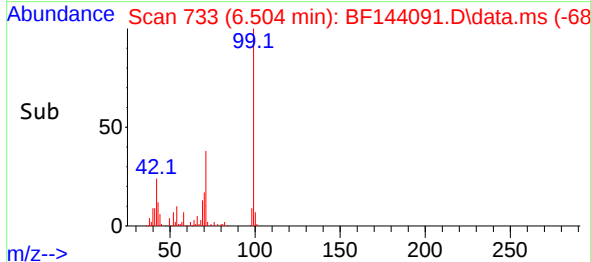
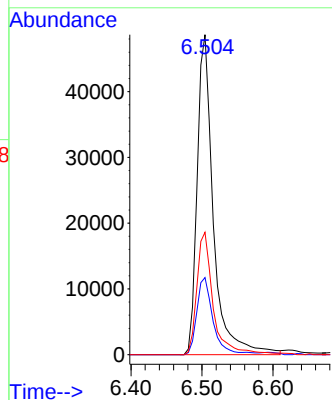
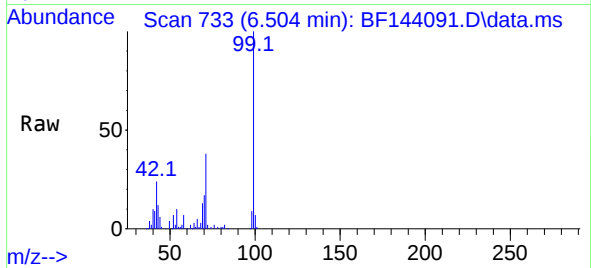




#7
Phenol-d6
Concen: 21.969 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF144091.D
Acq: 27 Oct 2025 19:02

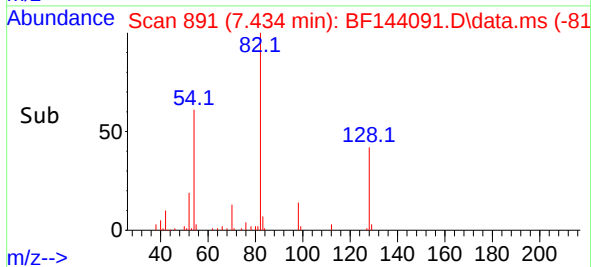
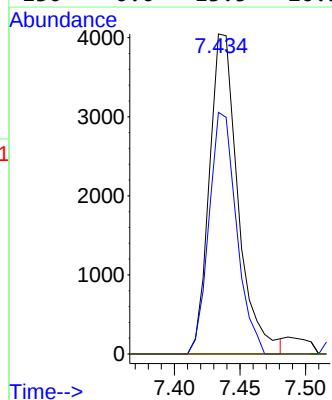
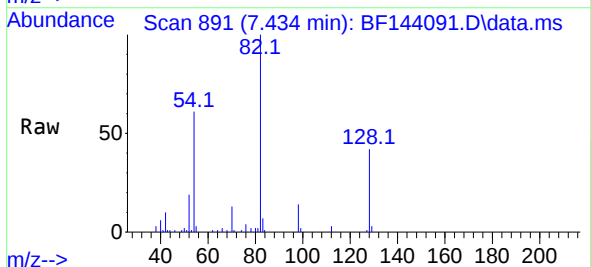
Instrument :
BNA_F
ClientSampleId :
P001-TW3-251023-01

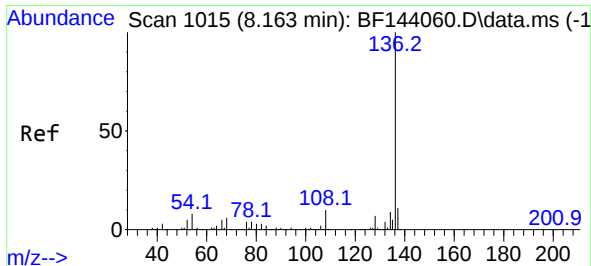
Tgt Ion: 99 Resp: 77433
Ion Ratio Lower Upper
99 100
42 24.1 23.9 35.9
71 38.3 34.4 51.6



#19
n-Nitroso-di-n-propylamine
Concen: 2.707 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.147 min
Lab File: BF144091.D
Acq: 27 Oct 2025 19:02

Tgt Ion: 70 Resp: 6169
Ion Ratio Lower Upper
70 100
42 75.5 67.4 101.0
101 0.0 7.1 10.7#
130 0.0 13.5 20.3#



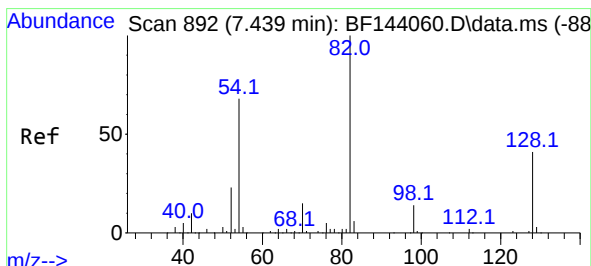
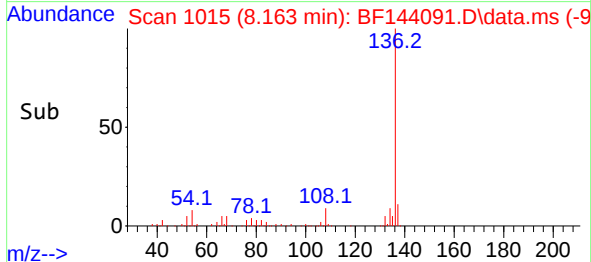
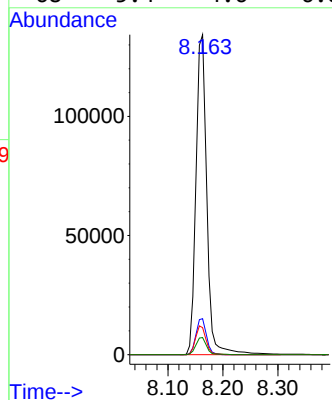
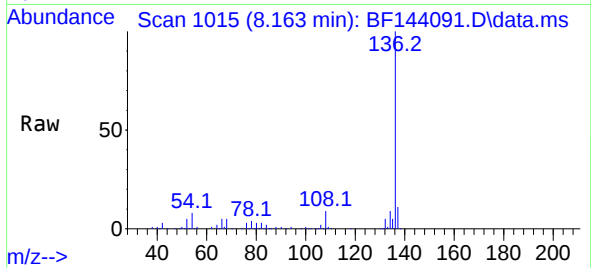


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. 0.000 min
Lab File: BF144091.D
Acq: 27 Oct 2025 19:02

Instrument :
BNA_F
ClientSampleId :
P001-TW3-251023-01

Tgt Ion:136 Resp: 184379

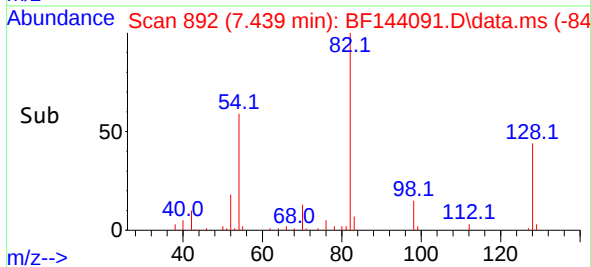
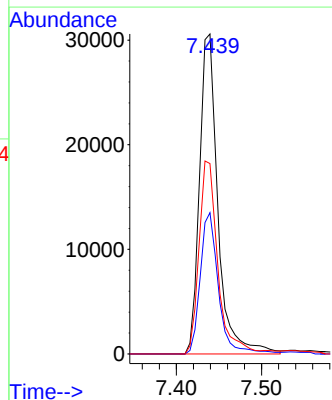
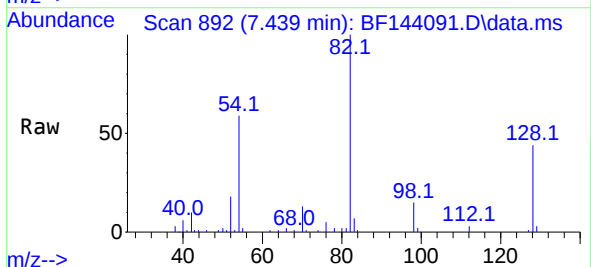
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.6	13.0
54	8.5	6.6	9.8
68	5.4	4.6	6.8

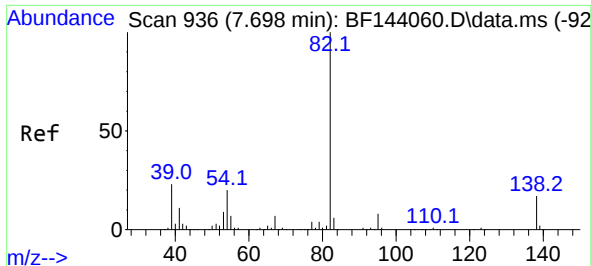


#23
Nitrobenzene-d5
Concen: 13.675 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.000 min
Lab File: BF144091.D
Acq: 27 Oct 2025 19:02

Tgt Ion: 82 Resp: 46022

Ion	Ratio	Lower	Upper
82	100		
128	44.2	32.4	48.6
54	59.5	54.0	81.0

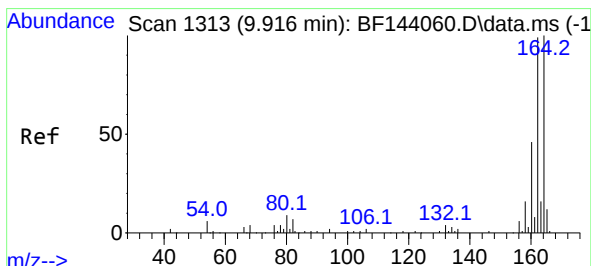
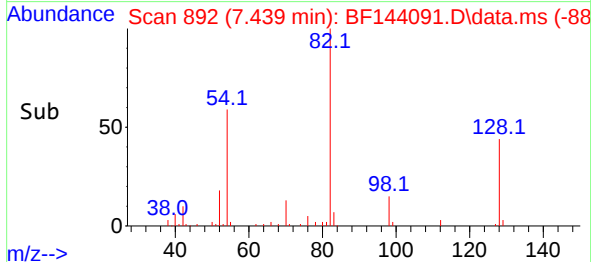
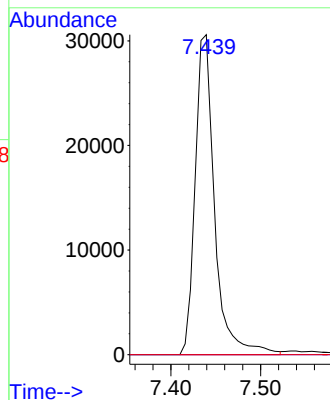
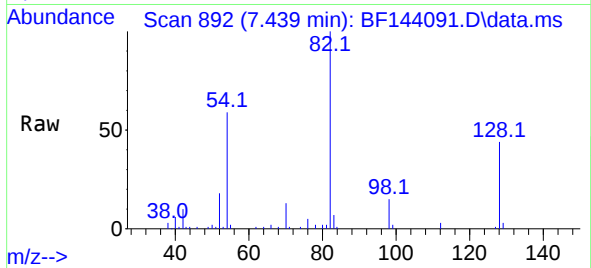




#25
Isophorone
Concen: 7.822 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.259 min
Lab File: BF144091.D
Acq: 27 Oct 2025 19:02

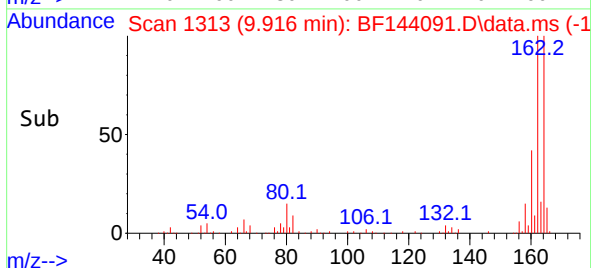
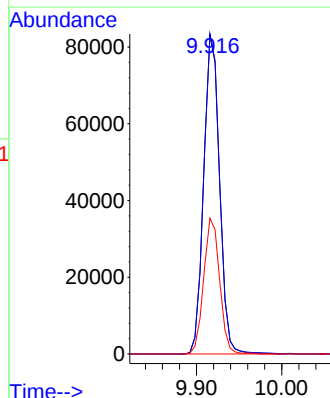
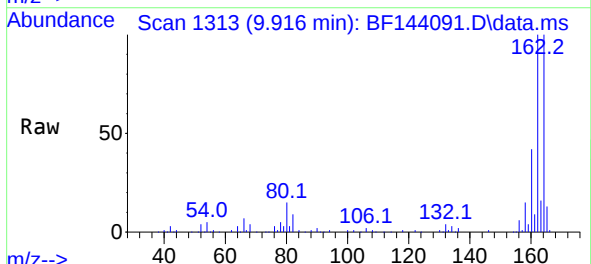
Instrument :
BNA_F
ClientSampleId :
P001-TW3-251023-01

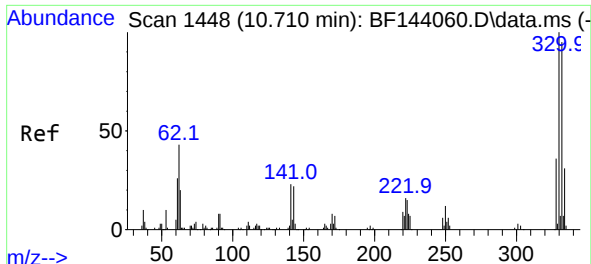
Tgt Ion: 82 Resp: 46022
Ion Ratio Lower Upper
82 100
95 0.0 6.6 9.8#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BF144091.D
Acq: 27 Oct 2025 19:02

Tgt Ion:164 Resp: 107099
Ion Ratio Lower Upper
164 100
162 100.4 79.4 119.2
160 42.6 36.7 55.1

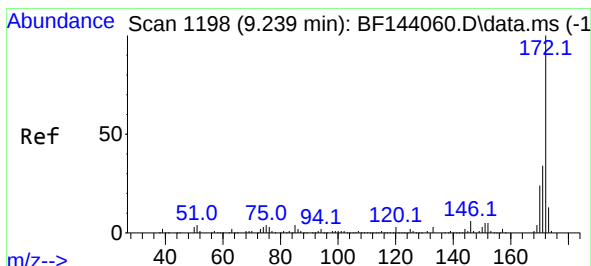
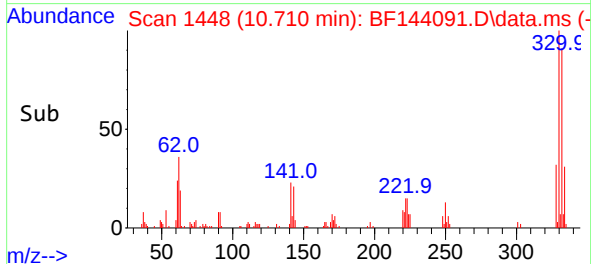
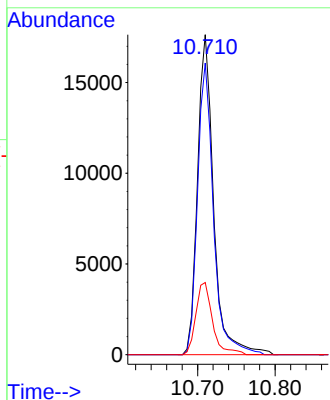
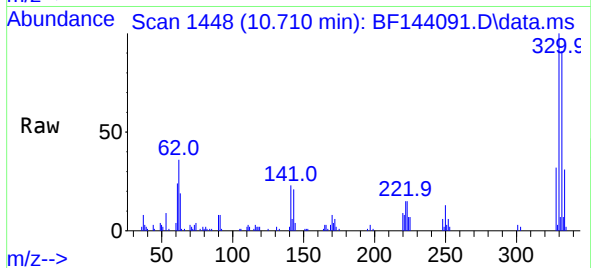




#42
2,4,6-Tribromophenol
Concen: 18.679 ng
RT: 10.710 min Scan# 1448
Delta R.T. 0.000 min
Lab File: BF144091.D
Acq: 27 Oct 2025 19:02

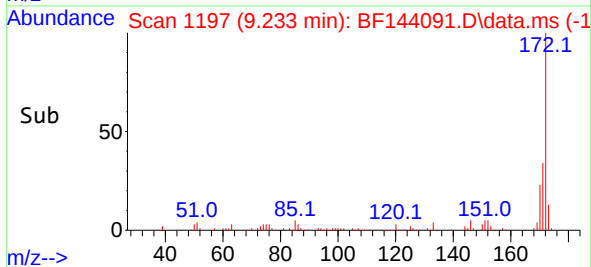
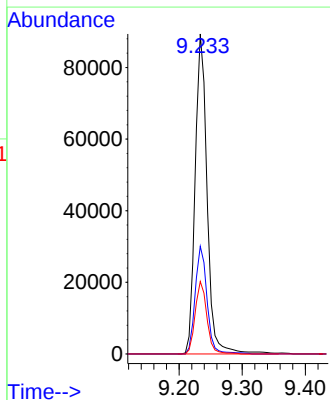
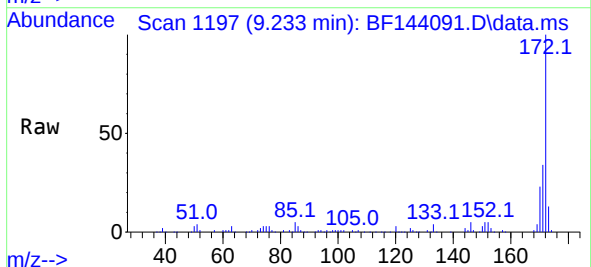
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ClientSampleId :
P001-TW3-251023-01

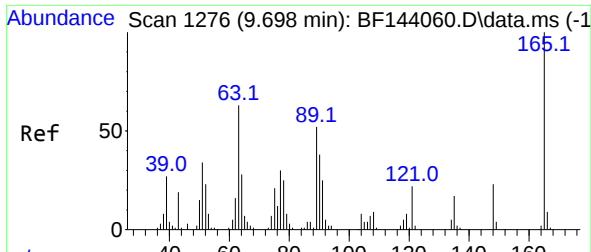
Tgt Ion:330 Resp: 25482
Ion Ratio Lower Upper
330 100
332 90.3 77.0 115.6
141 23.4 19.4 29.0



#45
2-Fluorobiphenyl
Concen: 15.441 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BF144091.D
Acq: 27 Oct 2025 19:02

Tgt Ion:172 Resp: 117513
Ion Ratio Lower Upper
172 100
171 33.7 27.5 41.3
170 22.6 19.0 28.6





#51

2,6-Dinitrotoluene

Concen: 9.607 ng

RT: 9.916 min Scan# 11

Delta R.T. 0.218 min

Lab File: BF144091.D

Acq: 27 Oct 2025 19:02

Instrument :

BNA_F

ClientSampleId :

P001-TW3-251023-01

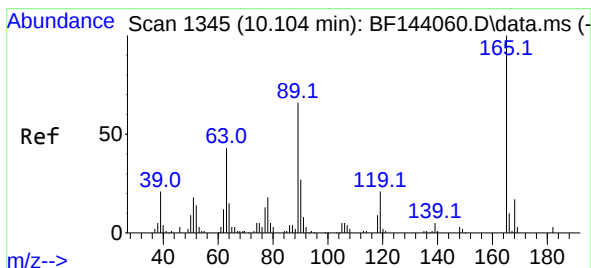
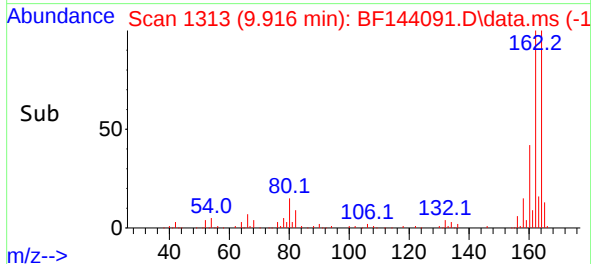
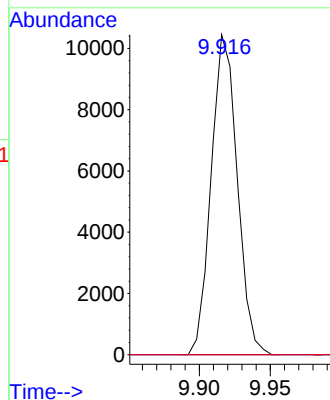
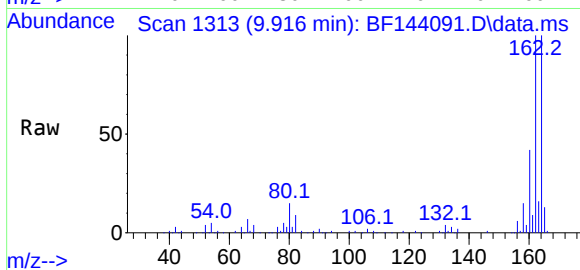
Tgt Ion:165 Resp: 13333

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: 7.118 ng

RT: 9.916 min Scan# 1313

Delta R.T. -0.188 min

Lab File: BF144091.D

Acq: 27 Oct 2025 19:02

Tgt Ion:165 Resp: 13333

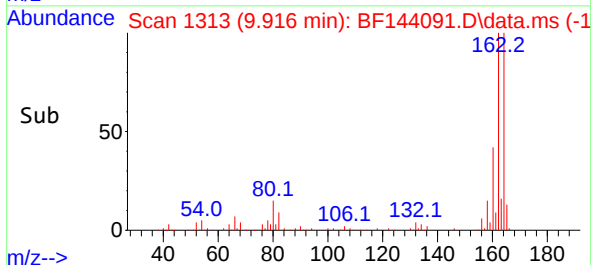
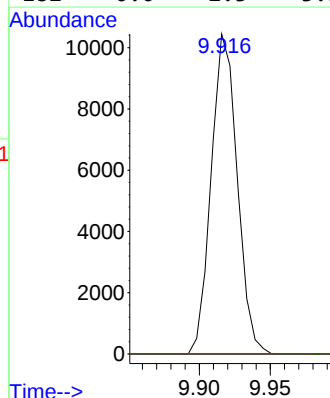
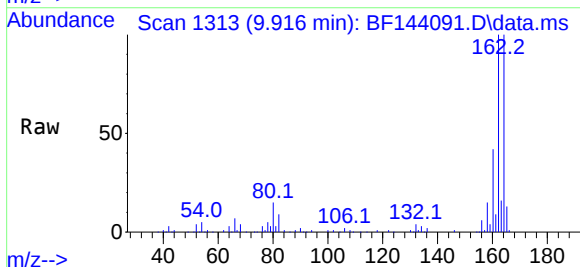
Ion Ratio Lower Upper

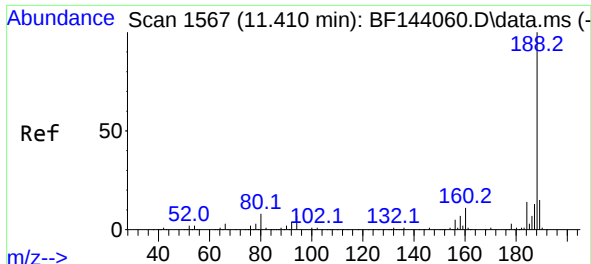
165 100

63 0.0 35.4 53.2#

89 0.0 52.7 79.1#

182 0.0 2.3 3.5#

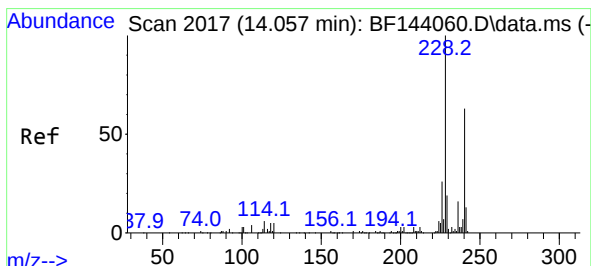
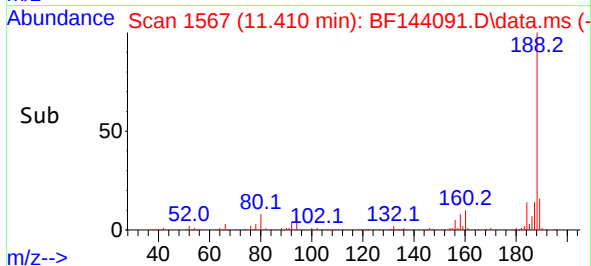
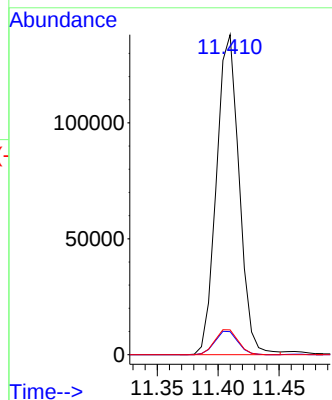
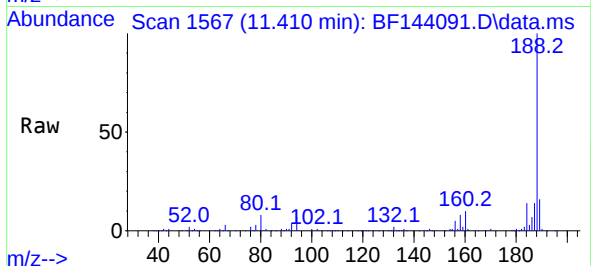




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144091.D
Acq: 27 Oct 2025 19:02

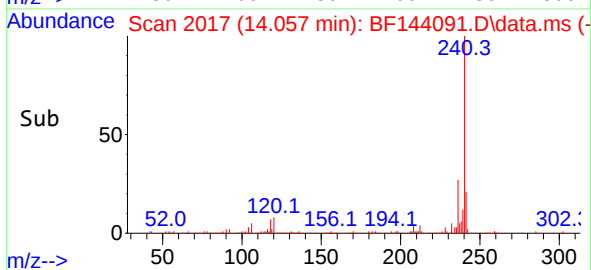
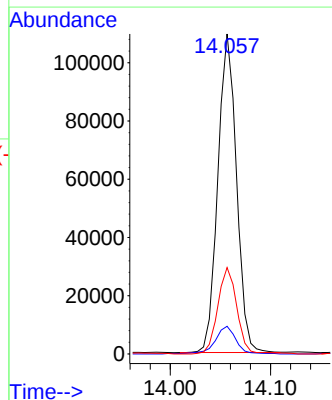
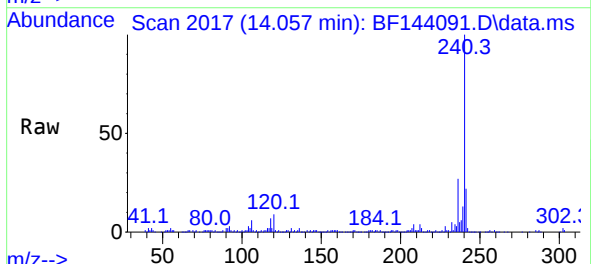
Instrument :
BNA_F
ClientSampleId :
P001-TW3-251023-01

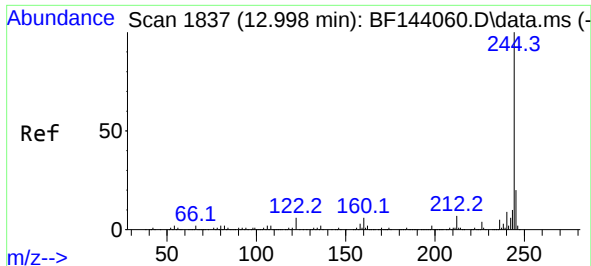
Tgt Ion:188 Resp: 179369
Ion Ratio Lower Upper
188 100
94 7.2 5.4 8.0
80 7.8 6.0 9.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF144091.D
Acq: 27 Oct 2025 19:02

Tgt Ion:240 Resp: 140893
Ion Ratio Lower Upper
240 100
120 8.6 6.5 9.7
236 27.0 20.1 30.1

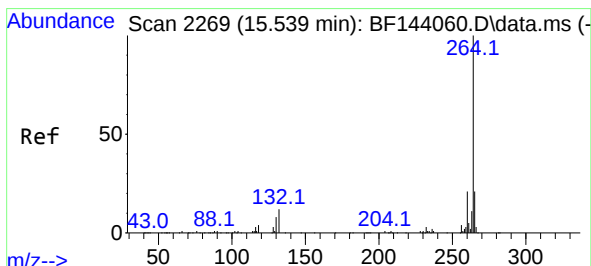
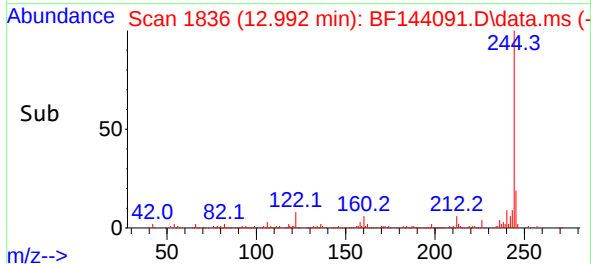
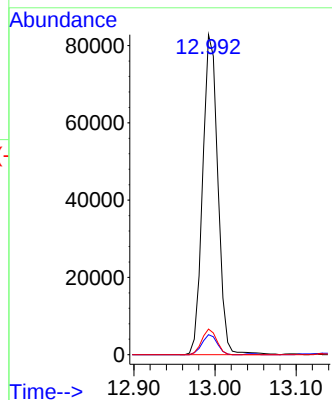
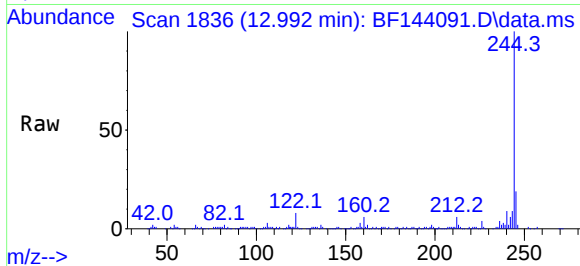




#79
Terphenyl-d14
Concen: 13.369 ng
RT: 12.992 min Scan# 1836
Delta R.T. -0.006 min
Lab File: BF144091.D
Acq: 27 Oct 2025 19:02

Instrument :
BNA_F
ClientSampleId :
P001-TW3-251023-01

Tgt Ion:244 Resp: 107744
Ion Ratio Lower Upper
244 100
212 6.3 5.8 8.6
122 8.0 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: BF144091.D
Acq: 27 Oct 2025 19:02

Tgt Ion:264 Resp: 181449
Ion Ratio Lower Upper
264 100
260 21.2 17.0 25.4
265 21.0 16.6 24.8

