

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101725\
 Data File : BF143991.D
 Acq On : 17 Oct 2025 18:14
 Operator : RC/JU
 Sample : Q3354-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HT1403

Quant Time: Oct 17 18:56:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 15:29:47 2025
 Response via : Initial Calibration

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

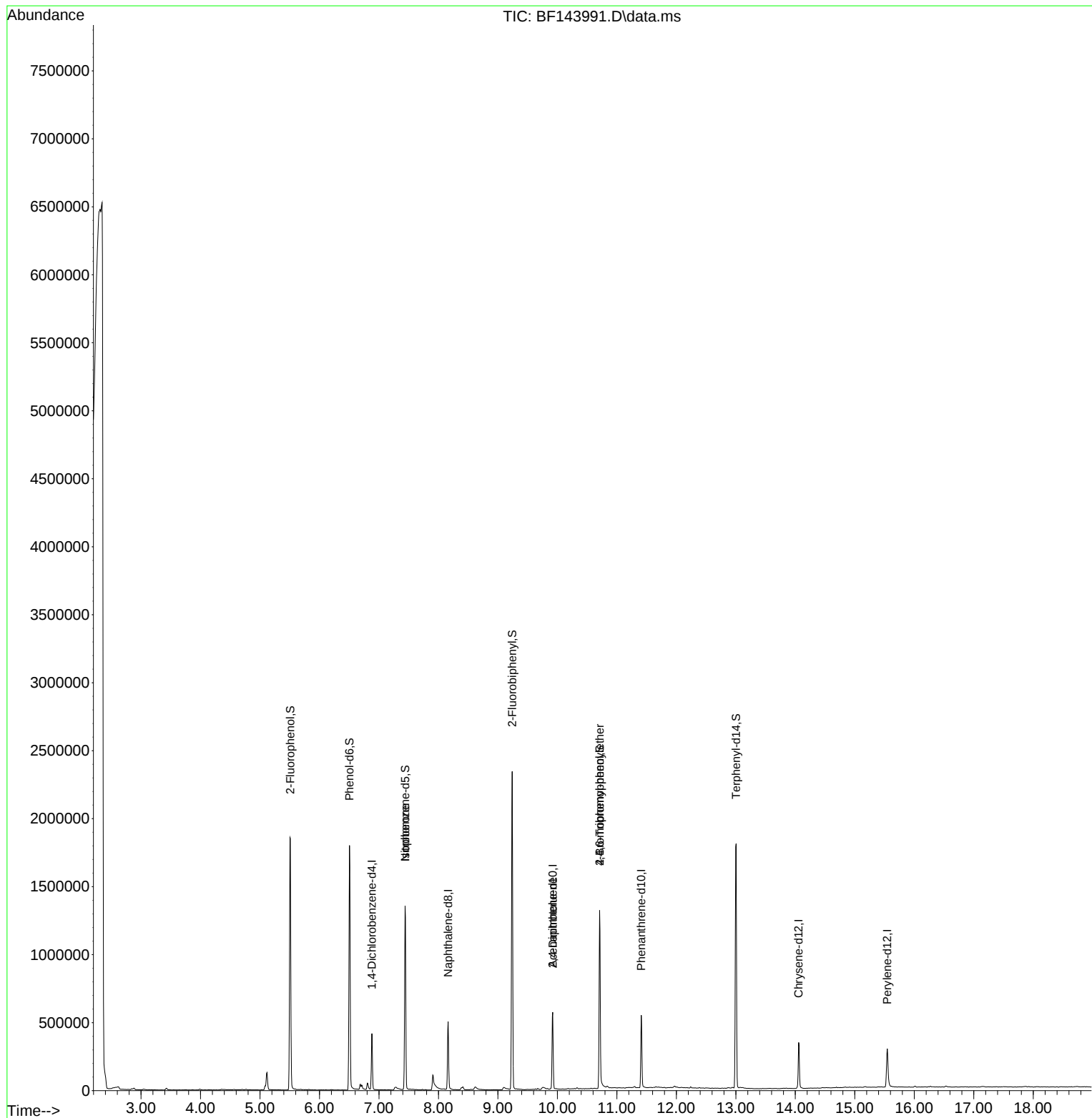
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	83805	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	319796	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	174399	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	285944	20.000	ng	0.00
76) Chrysene-d12	14.057	240	177155	20.000	ng	-0.01
86) Perylene-d12	15.545	264	209552	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	771552	146.198	ng	0.01
7) Phenol-d6	6.504	99	832476	132.339	ng	-0.01
23) Nitrobenzene-d5	7.439	82	597917	113.592	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	268233	154.419	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	1129050	102.725	ng	-0.01
79) Terphenyl-d14	13.004	244	991021	95.607	ng	0.00
Target Compounds						
25) Isophorone	7.439	82	521914	47.024	ng	# 68
57) 2,4-Dinitrotoluene	9.922	165	21674	7.757	ng	# 26
67) 4-Bromophenyl-phenylether	10.710	248	15937	5.043	ng	# 1

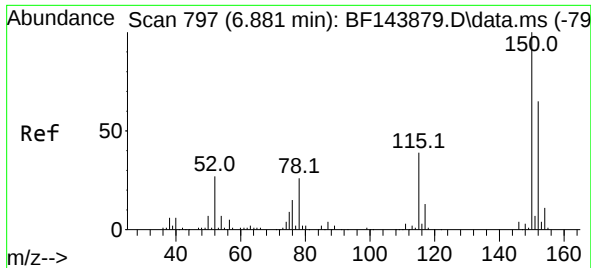
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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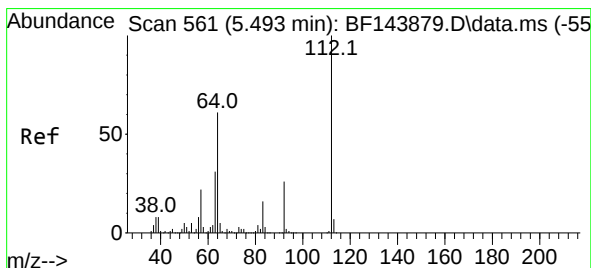
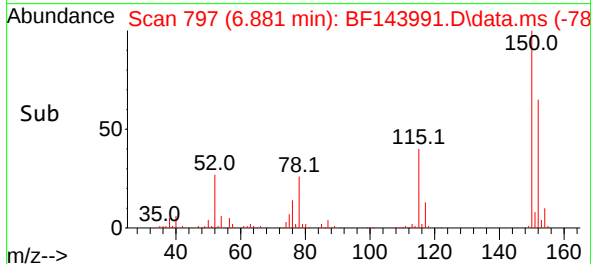
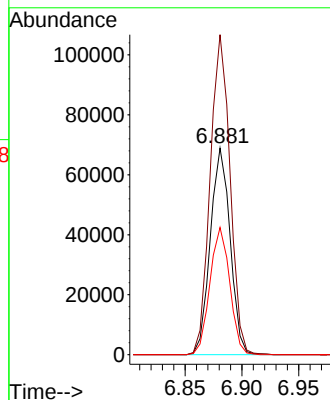
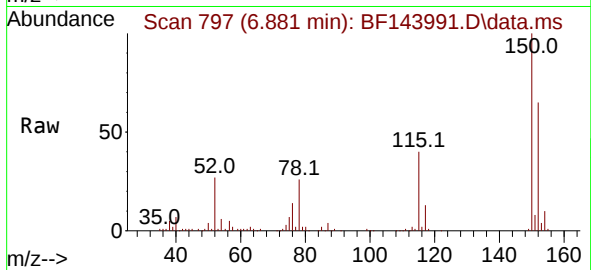




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.005 min
Lab File: BF143991.D
Acq: 17 Oct 2025 18:14

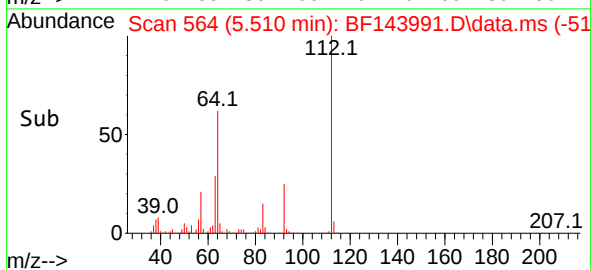
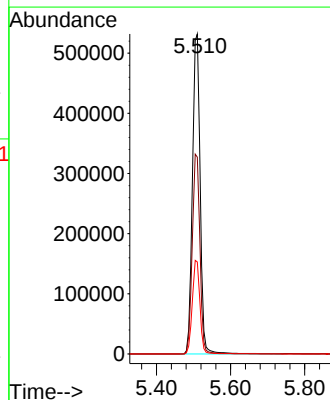
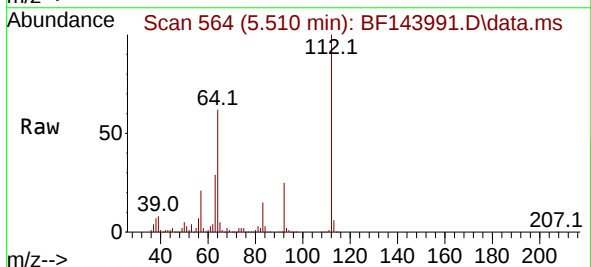
Instrument :
BNA_F
ClientSampleId :
HT1403

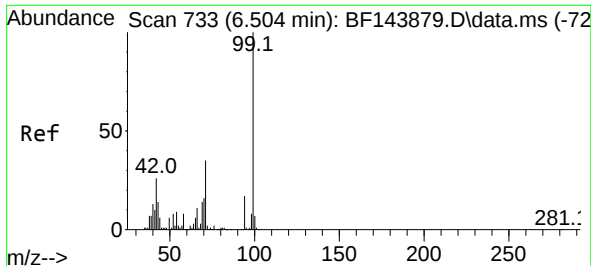
Tgt Ion:152 Resp: 83805
Ion Ratio Lower Upper
152 100
150 154.9 124.4 186.6
115 61.6 48.1 72.1



#5
2-Fluorophenol
Concen: 146.198 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.012 min
Lab File: BF143991.D
Acq: 17 Oct 2025 18:14

Tgt Ion:112 Resp: 771552
Ion Ratio Lower Upper
112 100
64 61.5 49.1 73.7
63 28.7 24.5 36.7

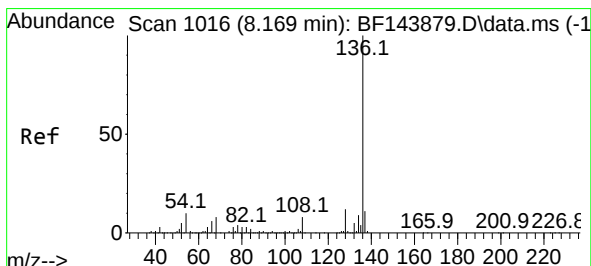
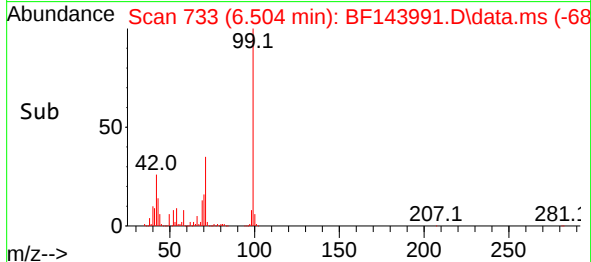
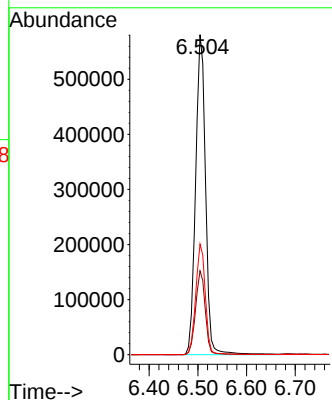
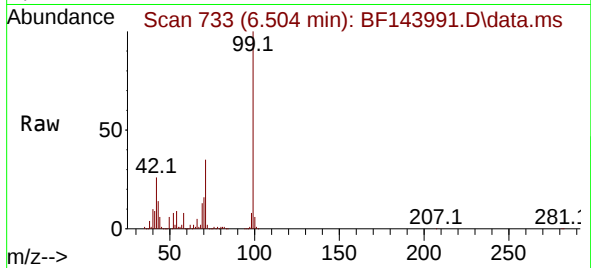




#7
Phenol-d6
Concen: 132.339 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF143991.D
Acq: 17 Oct 2025 18:14

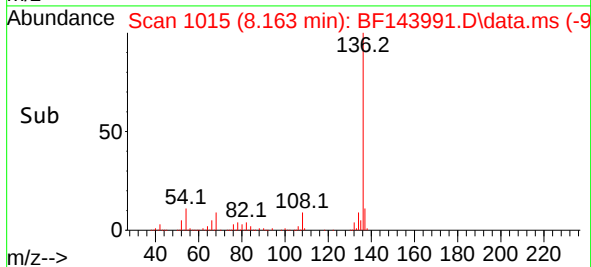
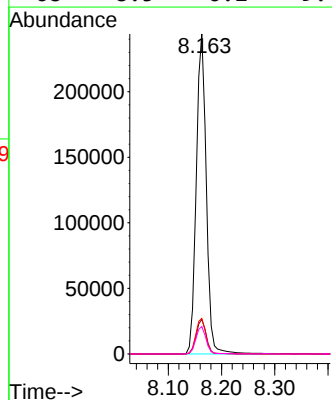
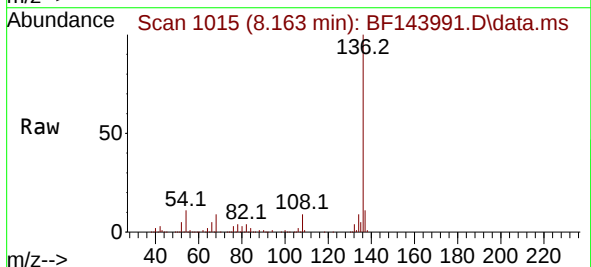
Instrument :
BNA_F
ClientSampleId :
HT1403

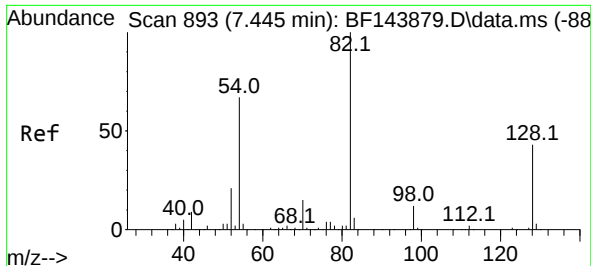
Tgt Ion: 99 Resp: 832476
Ion Ratio Lower Upper
99 100
42 26.2 21.0 31.4
71 34.6 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF143991.D
Acq: 17 Oct 2025 18:14

Tgt Ion:136 Resp: 319796
Ion Ratio Lower Upper
136 100
137 10.8 8.5 12.7
54 11.1 8.2 12.4
68 8.5 6.2 9.4





#23

Nitrobenzene-d5

Concen: 113.592 ng

RT: 7.439 min Scan# 892

Delta R.T. -0.018 min

Lab File: BF143991.D

Acq: 17 Oct 2025 18:14

Instrument :

BNA_F

ClientSampleId :

HT1403

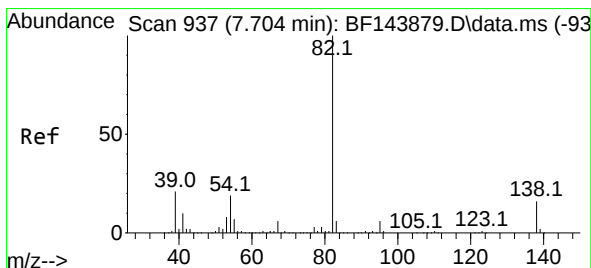
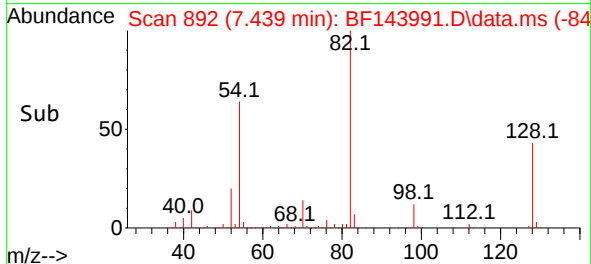
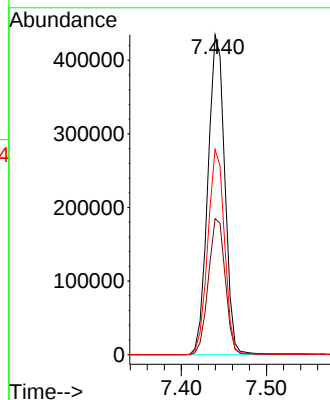
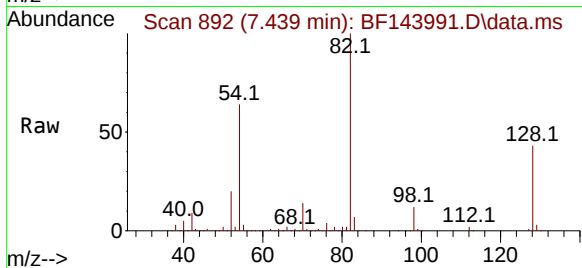
Tgt Ion: 82 Resp: 597917

Ion Ratio Lower Upper

82 100

128 42.5 34.0 51.0

54 64.1 53.2 79.8



#25

Isophorone

Concen: 47.024 ng

RT: 7.439 min Scan# 892

Delta R.T. -0.282 min

Lab File: BF143991.D

Acq: 17 Oct 2025 18:14

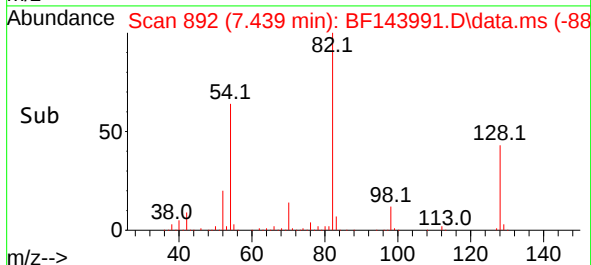
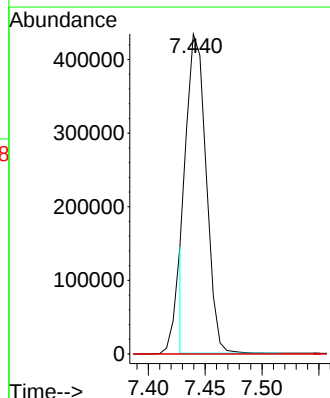
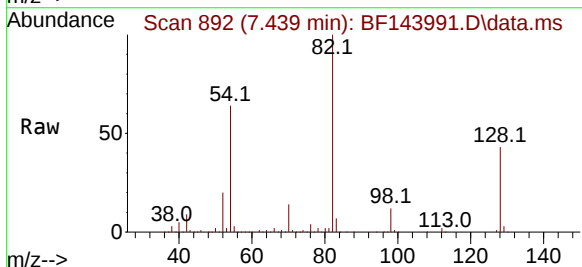
Tgt Ion: 82 Resp: 521914

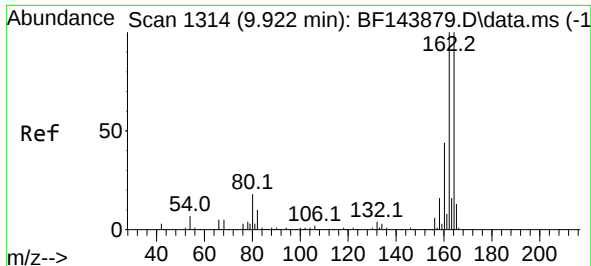
Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

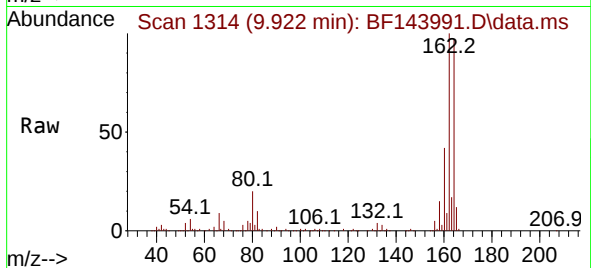
138 0.0 12.9 19.3#



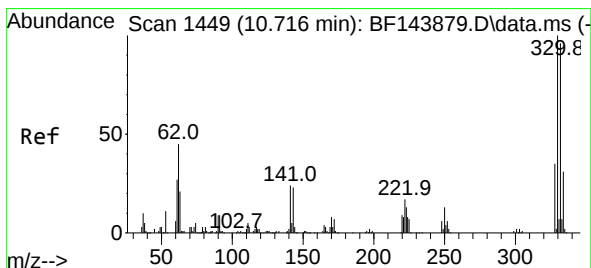
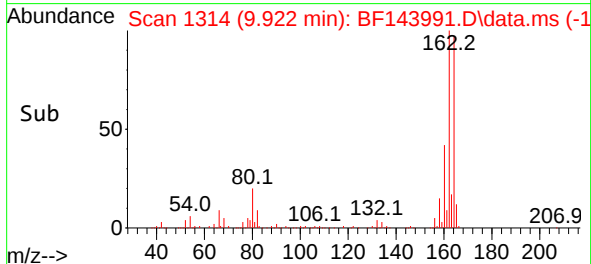
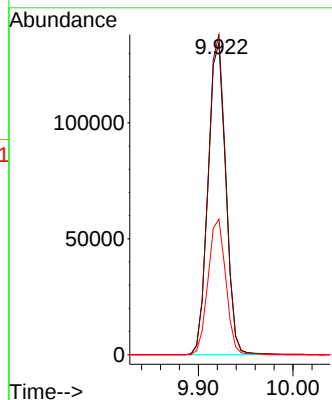


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF143991.D
Acq: 17 Oct 2025 18:14

Instrument :
BNA_F
ClientSampleId :
HT1403

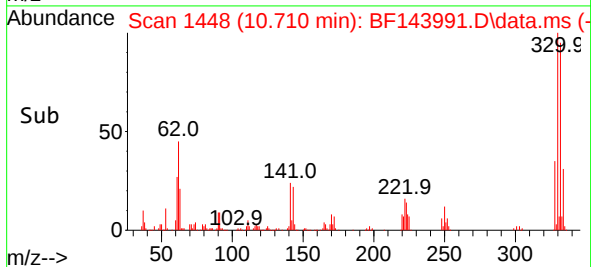
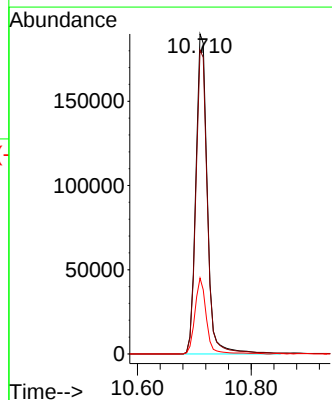
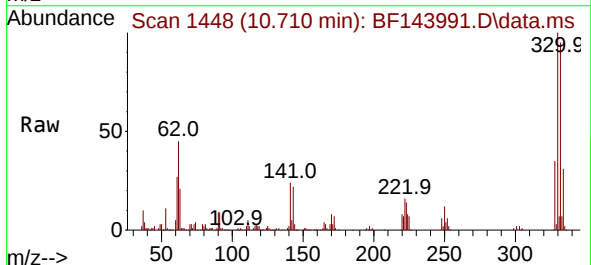


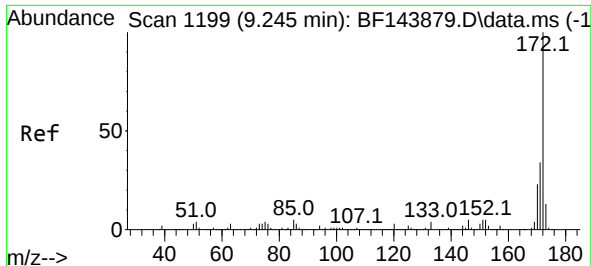
Tgt Ion:164 Resp: 174399
Ion Ratio Lower Upper
164 100
162 102.6 80.2 120.2
160 43.5 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 154.419 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.012 min
Lab File: BF143991.D
Acq: 17 Oct 2025 18:14

Tgt Ion:330 Resp: 268233
Ion Ratio Lower Upper
330 100
332 95.8 76.9 115.3
141 23.6 20.2 30.4





#45

2-Fluorobiphenyl

Concen: 102.725 ng

RT: 9.239 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF143991.D

Acq: 17 Oct 2025 18:14

Instrument :

BNA_F

ClientSampleId :

HT1403

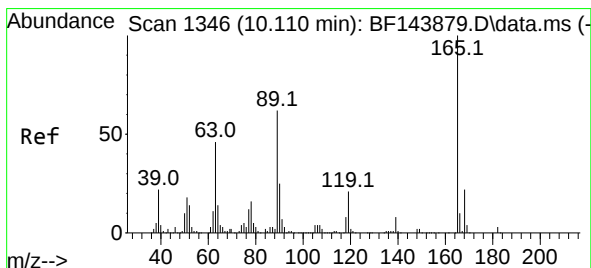
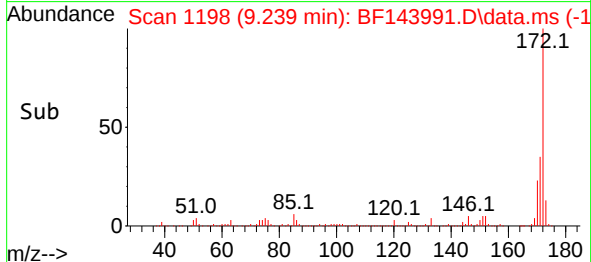
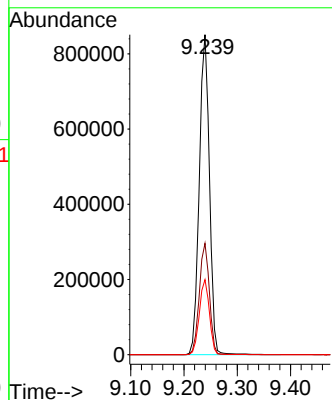
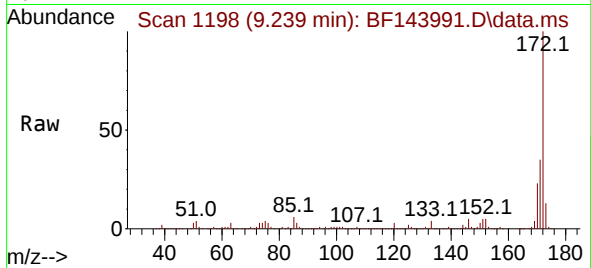
Tgt Ion:172 Resp: 1129050

Ion Ratio Lower Upper

172 100

171 34.8 27.4 41.0

170 23.5 18.6 28.0



#57

2,4-Dinitrotoluene

Concen: 7.757 ng

RT: 9.922 min Scan# 1314

Delta R.T. -0.194 min

Lab File: BF143991.D

Acq: 17 Oct 2025 18:14

Tgt Ion:165 Resp: 21674

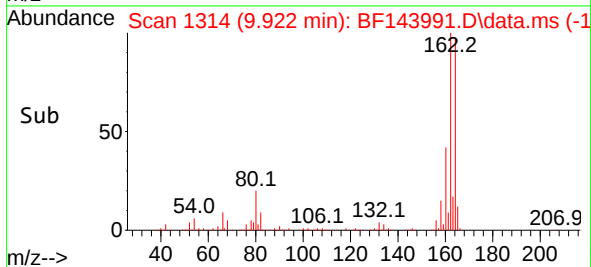
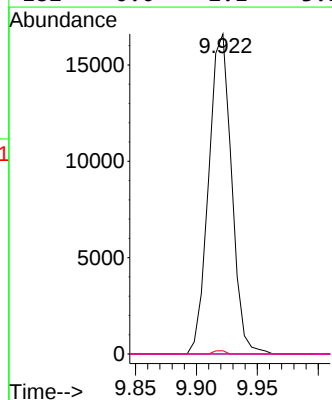
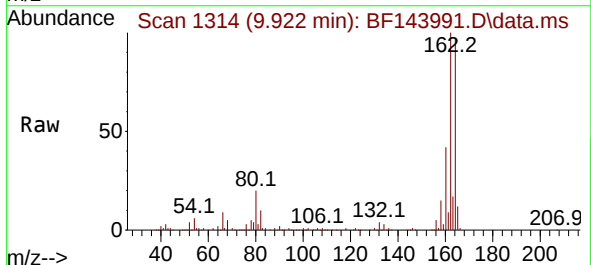
Ion Ratio Lower Upper

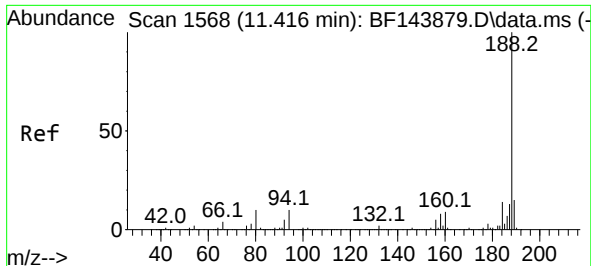
165 100

63 0.0 37.2 55.8#

89 1.0 49.4 74.2#

182 0.0 2.1 3.1#

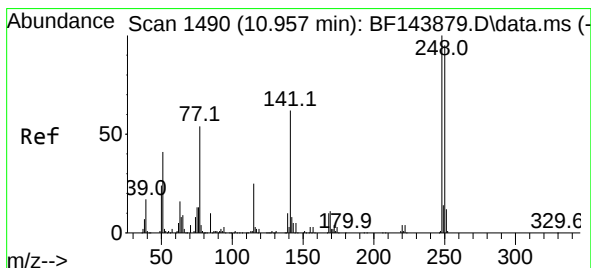
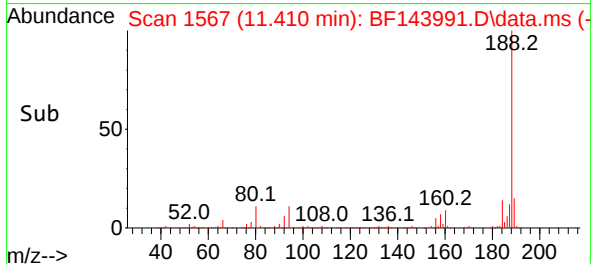
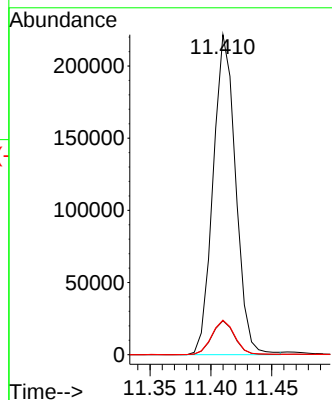
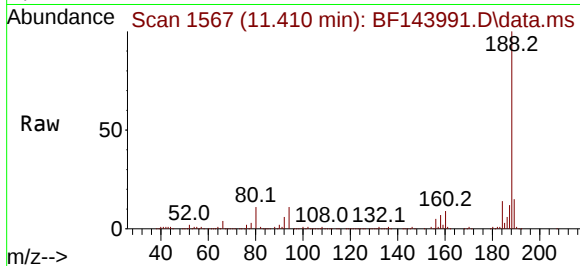




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143991.D
Acq: 17 Oct 2025 18:14

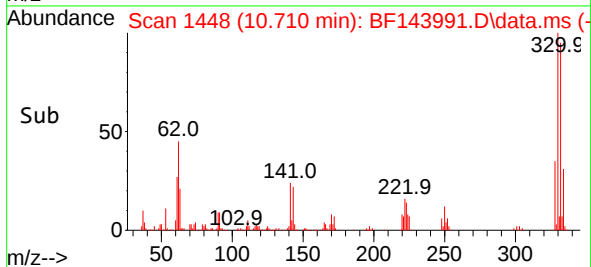
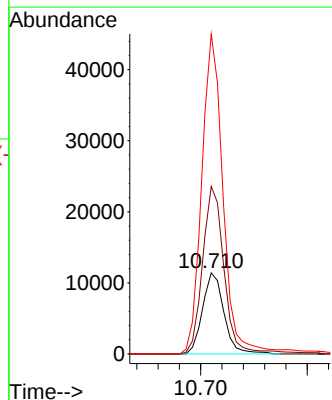
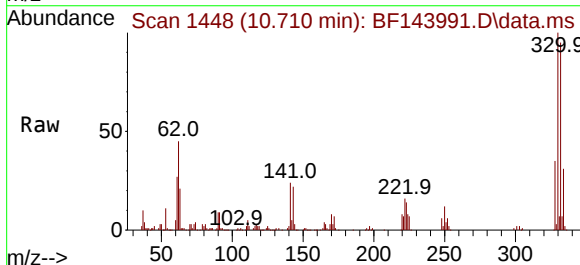
Instrument :
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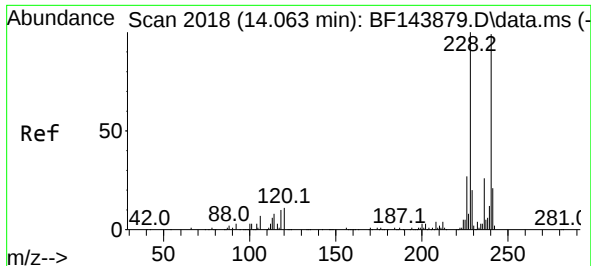
Tgt Ion:188 Resp: 285944
Ion Ratio Lower Upper
188 100
94 10.6 7.8 11.6
80 10.8 7.9 11.9



#67
4-Bromophenyl-phenylether
Concen: 5.043 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.253 min
Lab File: BF143991.D
Acq: 17 Oct 2025 18:14

Tgt Ion:248 Resp: 15937
Ion Ratio Lower Upper
248 100
250 206.4 76.3 114.5#
141 394.2 49.7 74.5#

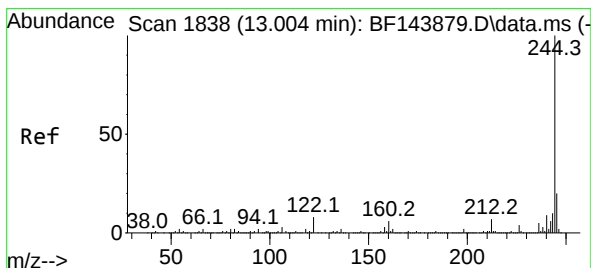
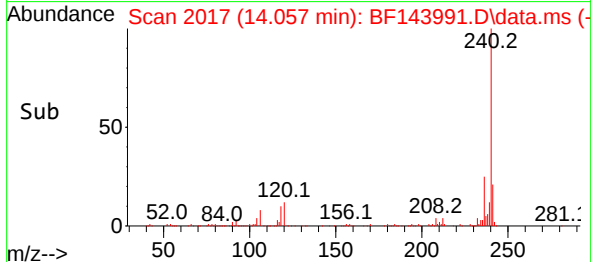
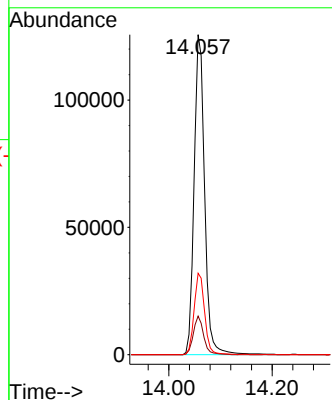
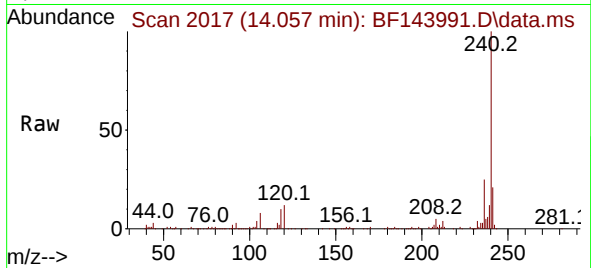




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 20
Delta R.T. -0.011 min
Lab File: BF143991.D
Acq: 17 Oct 2025 18:14

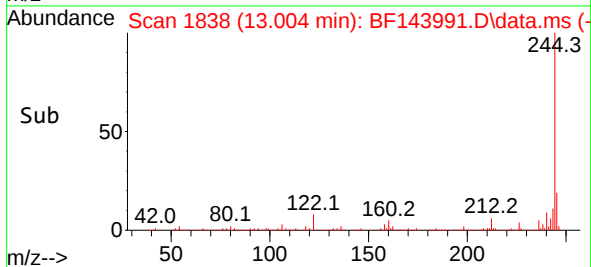
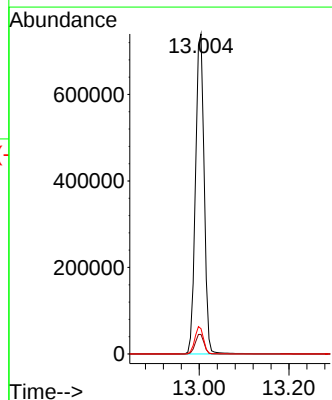
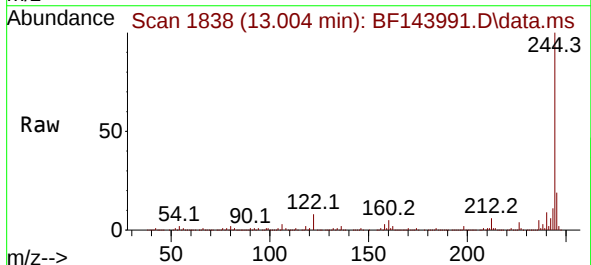
Instrument :
BNA_F
ClientSampleId :
HT1403

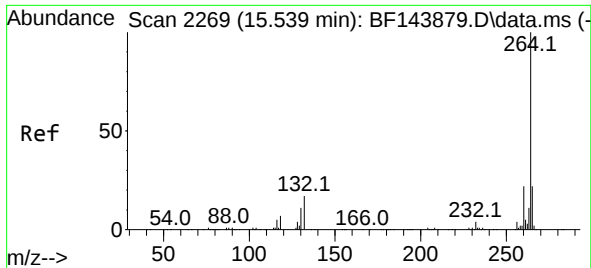
Tgt Ion:240 Resp: 177155
Ion Ratio Lower Upper
240 100
120 12.0 8.6 13.0
236 25.5 21.1 31.7



#79
Terphenyl-d14
Concen: 95.607 ng
RT: 13.004 min Scan# 1838
Delta R.T. -0.006 min
Lab File: BF143991.D
Acq: 17 Oct 2025 18:14

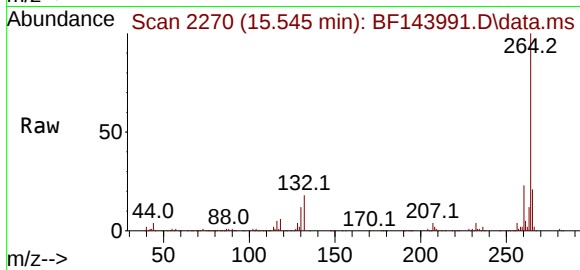
Tgt Ion:244 Resp: 991021
Ion Ratio Lower Upper
244 100
212 6.1 5.4 8.0
122 7.9 6.4 9.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.545 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF143991.D
 Acq: 17 Oct 2025 18:14

Instrument :
 BNA_F
 ClientSampleId :
 HT1403



Tgt Ion:264 Resp: 209552

Ion	Ratio	Lower	Upper
264	100		
260	23.5	17.8	26.8
265	21.5	17.5	26.3

