

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091525\
 Data File : BF143764.D
 Acq On : 15 Sep 2025 21:24
 Operator : RC/JU
 Sample : Q3092-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 279182

Quant Time: Sep 16 01:10:45 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 09 15:20:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	14177	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	52024	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	28606	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	48982	20.000	ng	0.01
76) Chrysene-d12	14.063	240	35365	20.000	ng	0.02
86) Perylene-d12	15.545	264	23482	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	121764	146.538	ng	0.02
7) Phenol-d6	6.510	99	136430	134.845	ng	0.00
23) Nitrobenzene-d5	7.451	82	93180	111.407	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	48095	166.832	ng	0.01
45) 2-Fluorobiphenyl	9.251	172	204661	108.077	ng	0.00
79) Terphenyl-d14	13.010	244	232722	106.640	ng	0.02

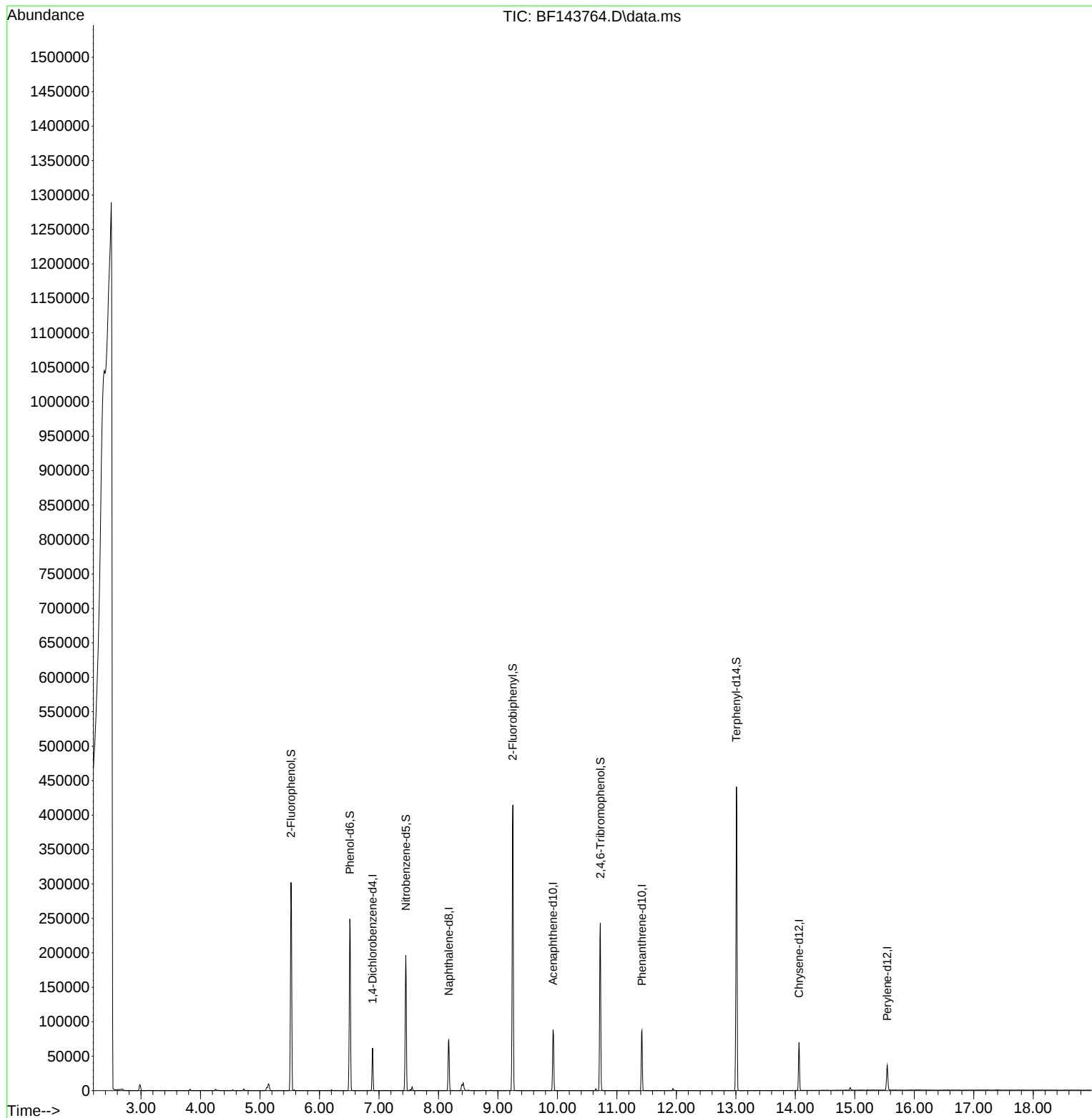
Target Compounds	Qvalue

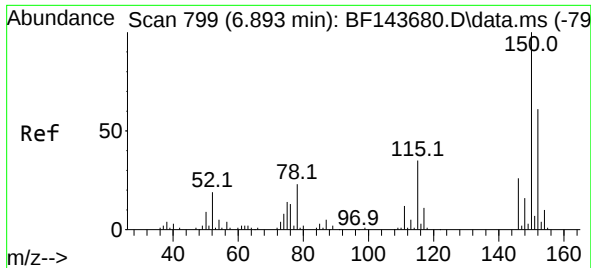
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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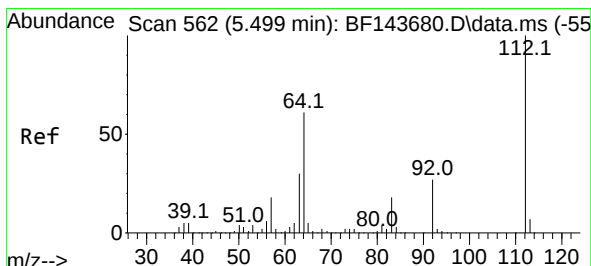
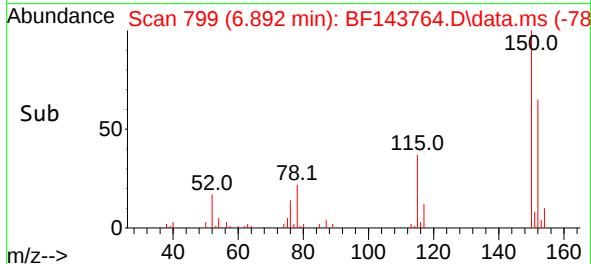
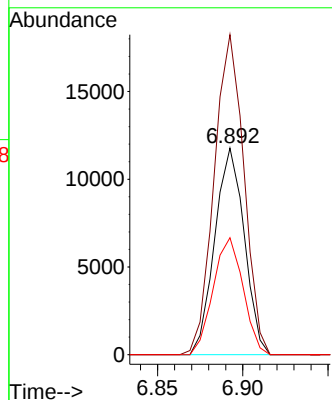
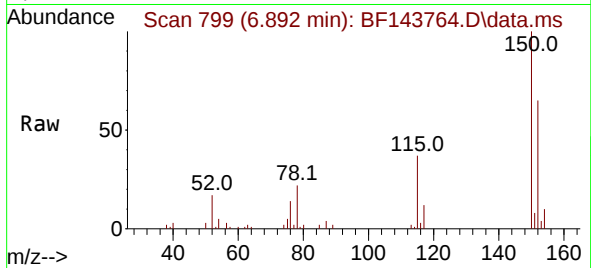




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.892 min Scan# 799
 Delta R.T. -0.001 min
 Lab File: BF143764.D
 Acq: 15 Sep 2025 21:24

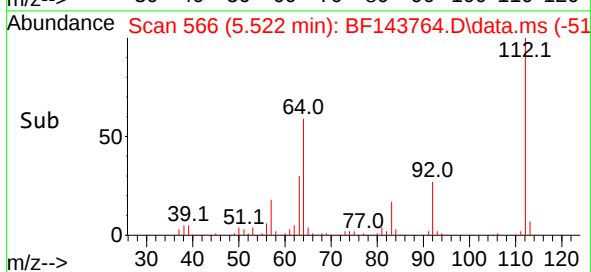
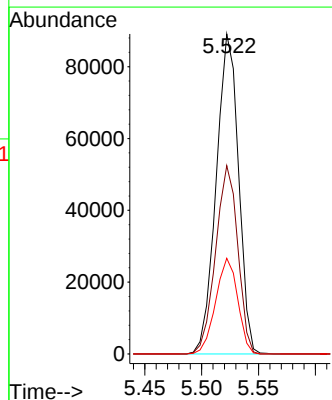
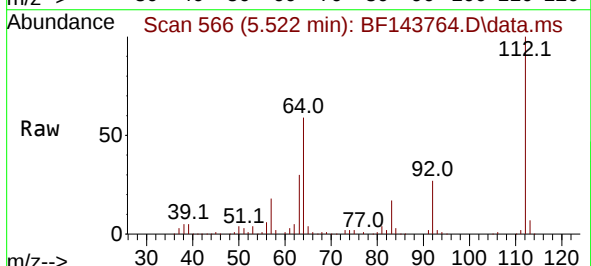
Instrument :
 BNA_F
 ClientSampleId :
 279182

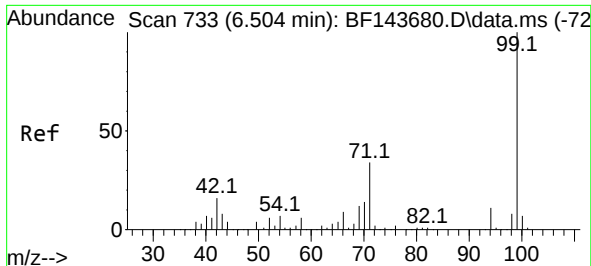
Tgt Ion:152 Resp: 14177
 Ion Ratio Lower Upper
 152 100
 150 154.9 130.7 196.1
 115 56.6 45.9 68.9



#5
 2-Fluorophenol
 Concen: 146.538 ng
 RT: 5.522 min Scan# 566
 Delta R.T. 0.023 min
 Lab File: BF143764.D
 Acq: 15 Sep 2025 21:24

Tgt Ion:112 Resp: 121764
 Ion Ratio Lower Upper
 112 100
 64 58.8 49.0 73.4
 63 29.9 24.3 36.5

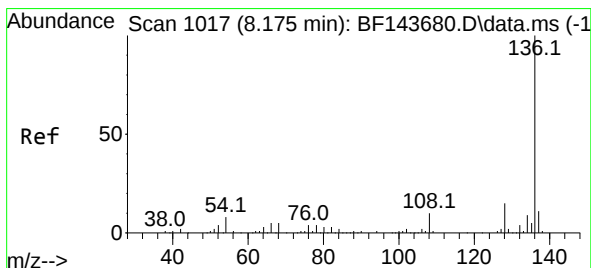
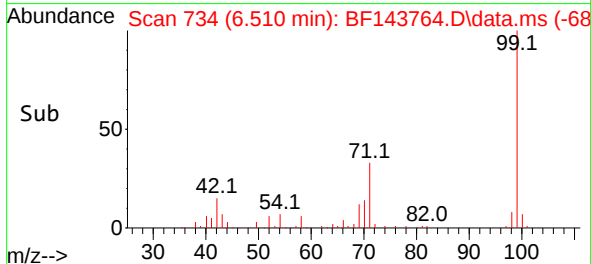
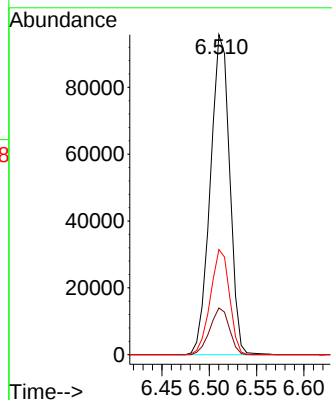
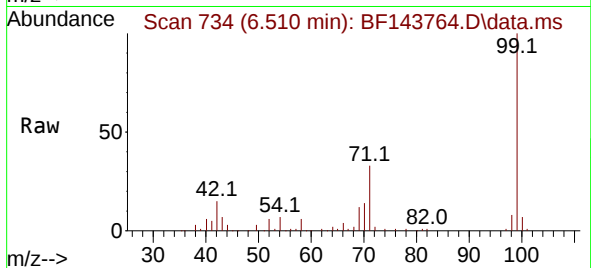




#7
Phenol-d6
Concen: 134.845 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF143764.D
Acq: 15 Sep 2025 21:24

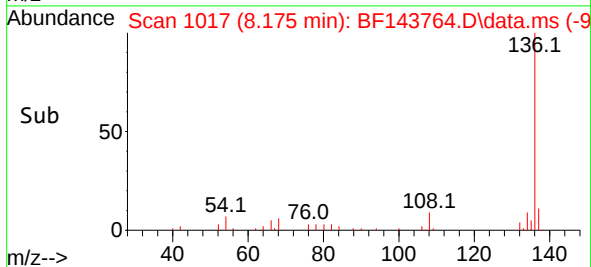
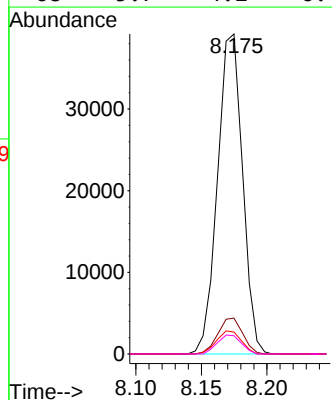
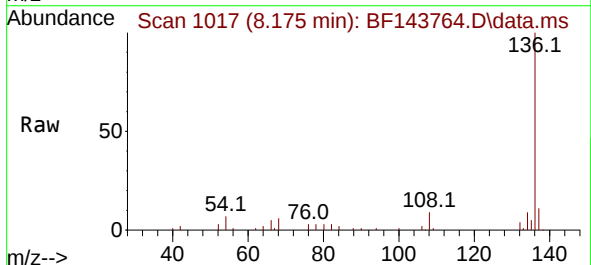
Instrument :
BNA_F
ClientSampleId :
279182

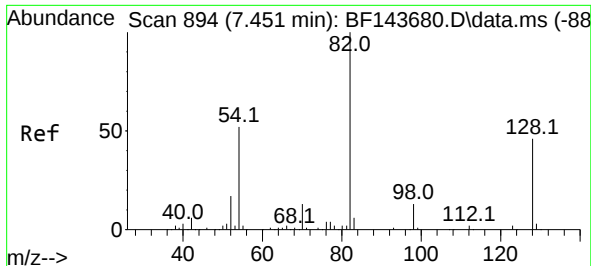
Tgt Ion: 99 Resp: 136430
Ion Ratio Lower Upper
99 100
42 14.6 13.0 19.4
71 32.8 27.4 41.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.000 min
Lab File: BF143764.D
Acq: 15 Sep 2025 21:24

Tgt Ion: 136 Resp: 52024
Ion Ratio Lower Upper
136 100
137 11.2 8.7 13.1
54 6.9 6.2 9.2
68 5.7 4.2 6.4





#23

Nitrobenzene-d5

Concen: 111.407 ng

RT: 7.451 min Scan# 894

Delta R.T. -0.000 min

Lab File: BF143764.D

Acq: 15 Sep 2025 21:24

Instrument :

BNA_F

ClientSampleId :

279182

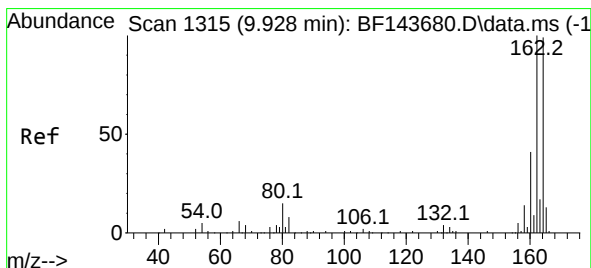
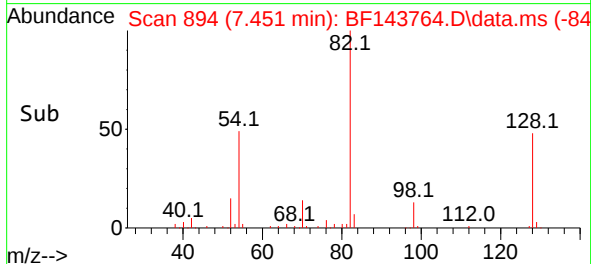
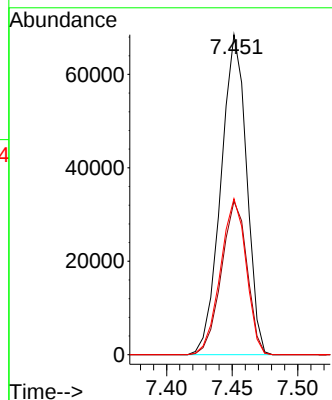
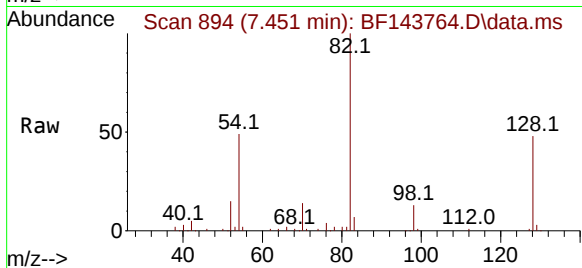
Tgt Ion: 82 Resp: 93180

Ion Ratio Lower Upper

82 100

128 48.0 37.0 55.4

54 48.8 41.8 62.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1315

Delta R.T. -0.000 min

Lab File: BF143764.D

Acq: 15 Sep 2025 21:24

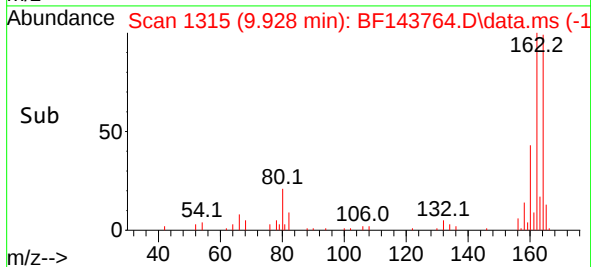
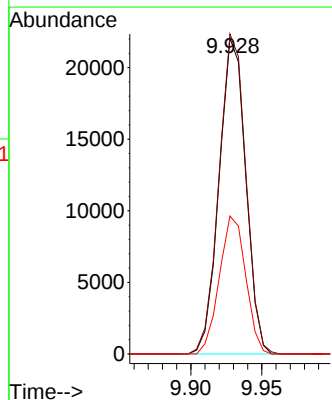
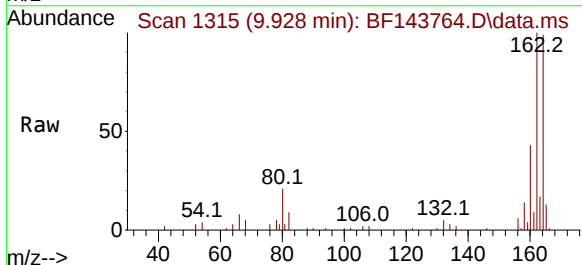
Tgt Ion: 164 Resp: 28606

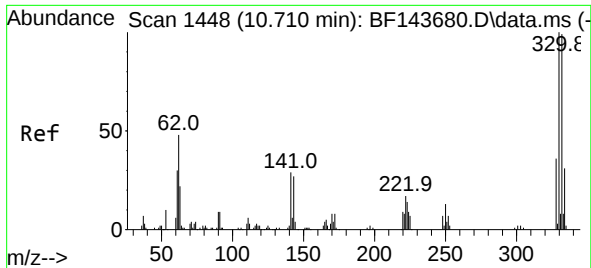
Ion Ratio Lower Upper

164 100

162 101.3 80.6 121.0

160 43.7 33.0 49.4





#42

2,4,6-Tribromophenol

Concen: 166.832 ng

RT: 10.722 min Scan# 1448

Delta R.T. 0.012 min

Lab File: BF143764.D

Acq: 15 Sep 2025 21:24

Instrument :

BNA_F

ClientSampleId :

279182

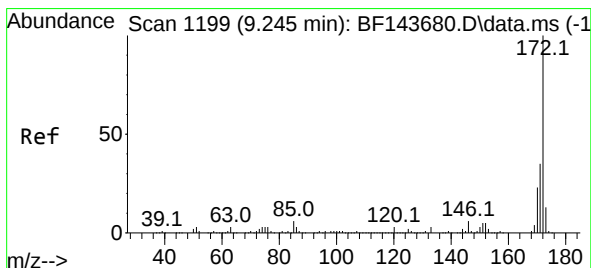
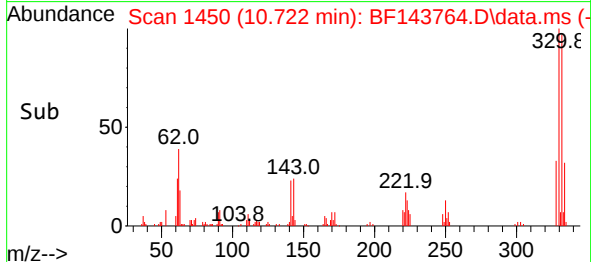
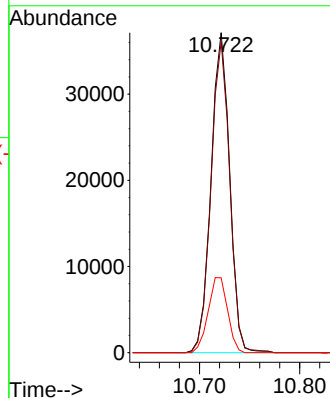
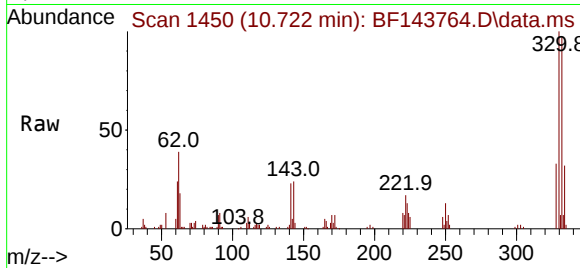
Tgt Ion:330 Resp: 48095

Ion Ratio Lower Upper

330 100

332 97.1 79.2 118.8

141 24.4 22.2 33.4



#45

2-Fluorobiphenyl

Concen: 108.077 ng

RT: 9.251 min Scan# 1200

Delta R.T. 0.006 min

Lab File: BF143764.D

Acq: 15 Sep 2025 21:24

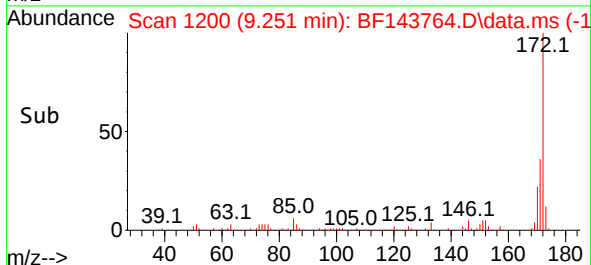
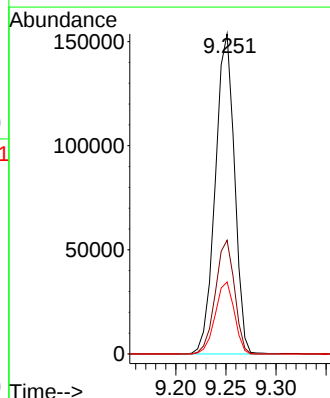
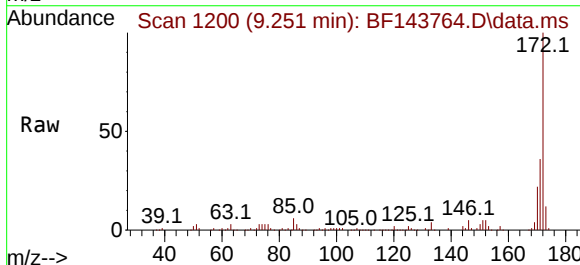
Tgt Ion:172 Resp: 204661

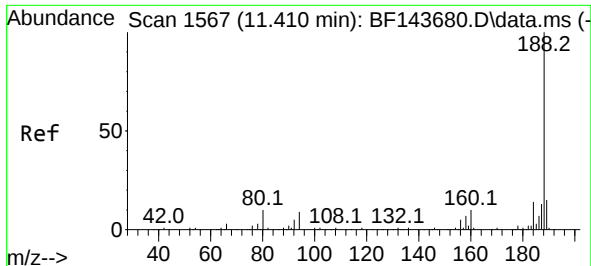
Ion Ratio Lower Upper

172 100

171 35.5 27.9 41.9

170 22.5 18.6 27.8

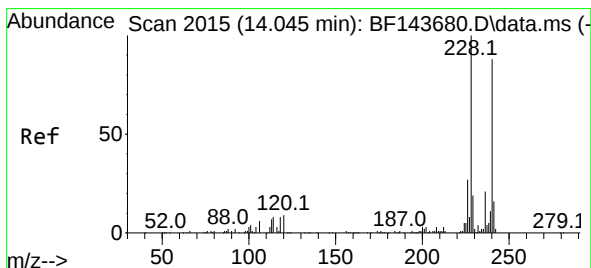
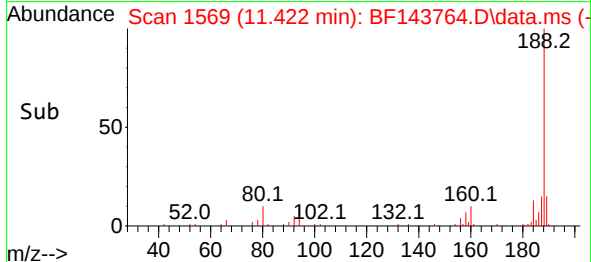
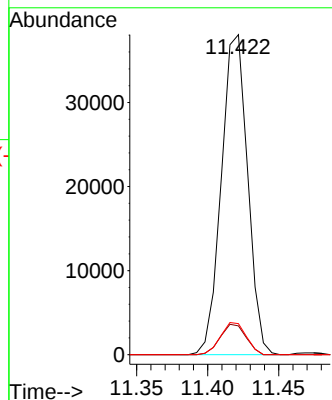
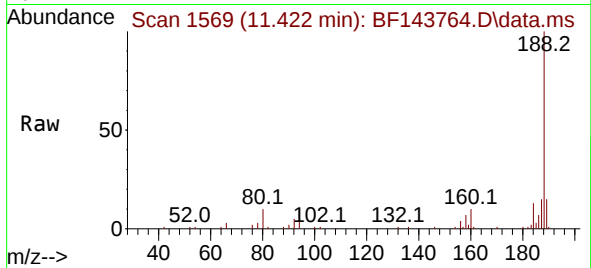




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF143764.D
Acq: 15 Sep 2025 21:24

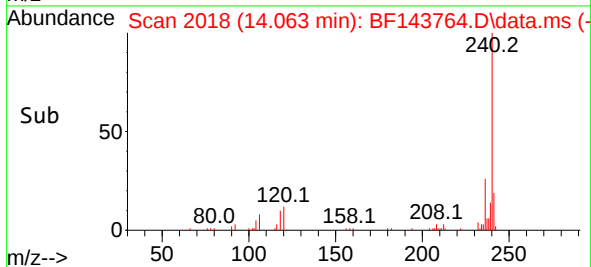
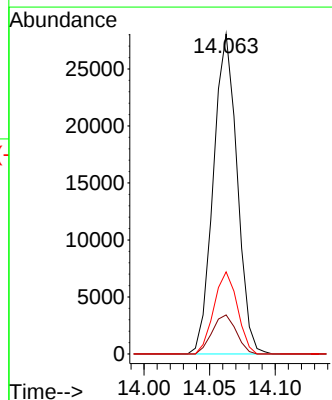
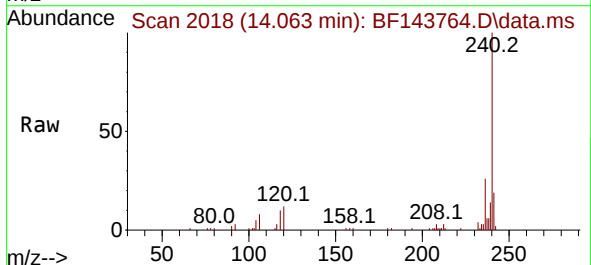
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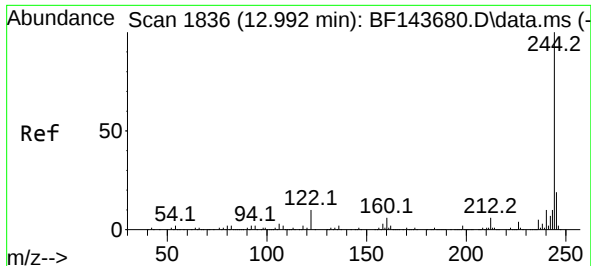
Tgt Ion:188 Resp: 48982
Ion Ratio Lower Upper
188 100
94 9.0 7.4 11.0
80 9.7 7.7 11.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. 0.018 min
Lab File: BF143764.D
Acq: 15 Sep 2025 21:24

Tgt Ion:240 Resp: 35365
Ion Ratio Lower Upper
240 100
120 12.2 8.4 12.6
236 25.7 18.6 28.0

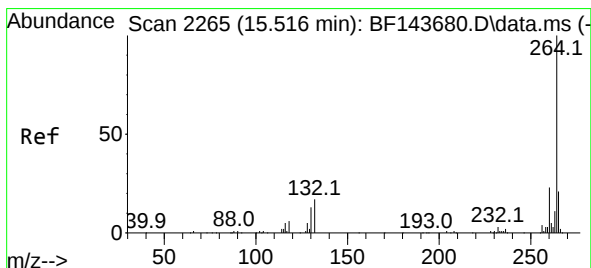
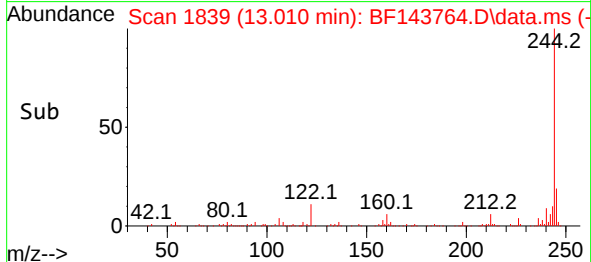
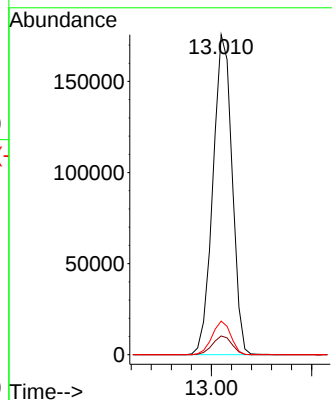
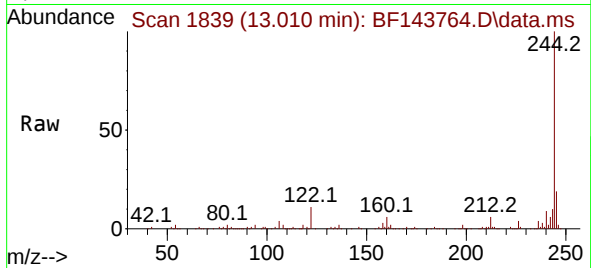




#79
 Terphenyl-d14
 Concen: 106.640 ng
 RT: 13.010 min Scan# 1839
 Delta R.T. 0.018 min
 Lab File: BF143764.D
 Acq: 15 Sep 2025 21:24

Instrument :
 BNA_F
 ClientSampleId :
 279182

Tgt Ion:244 Resp: 232722
 Ion Ratio Lower Upper
 244 100
 212 5.9 5.0 7.6
 122 10.5 7.9 11.9



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.545 min Scan# 2270
 Delta R.T. 0.029 min
 Lab File: BF143764.D
 Acq: 15 Sep 2025 21:24

Tgt Ion:264 Resp: 23482
 Ion Ratio Lower Upper
 264 100
 260 23.8 18.4 27.6
 265 21.0 17.1 25.7

