

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
 Data File : BF143507.D
 Acq On : 21 Aug 2025 02:25
 Operator : RC/JU
 Sample : Q2819-18
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 38M-W

Quant Time: Aug 21 02:50:28 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 20 15:07:46 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	132869	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	502084	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	273604	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	412276	20.000	ng	0.00
76) Chrysene-d12	14.092	240	227079	20.000	ng	-0.01
86) Perylene-d12	15.592	264	276806	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	681277	89.533	ng	0.00
7) Phenol-d6	6.557	99	850891	90.586	ng	-0.02
23) Nitrobenzene-d5	7.481	82	554091	64.399	ng	-0.02
42) 2,4,6-Tribromophenol	10.751	330	226099	88.776	ng	-0.01
45) 2-Fluorobiphenyl	9.280	172	1073508	64.844	ng	0.00
79) Terphenyl-d14	13.033	244	854893	65.696	ng	0.00

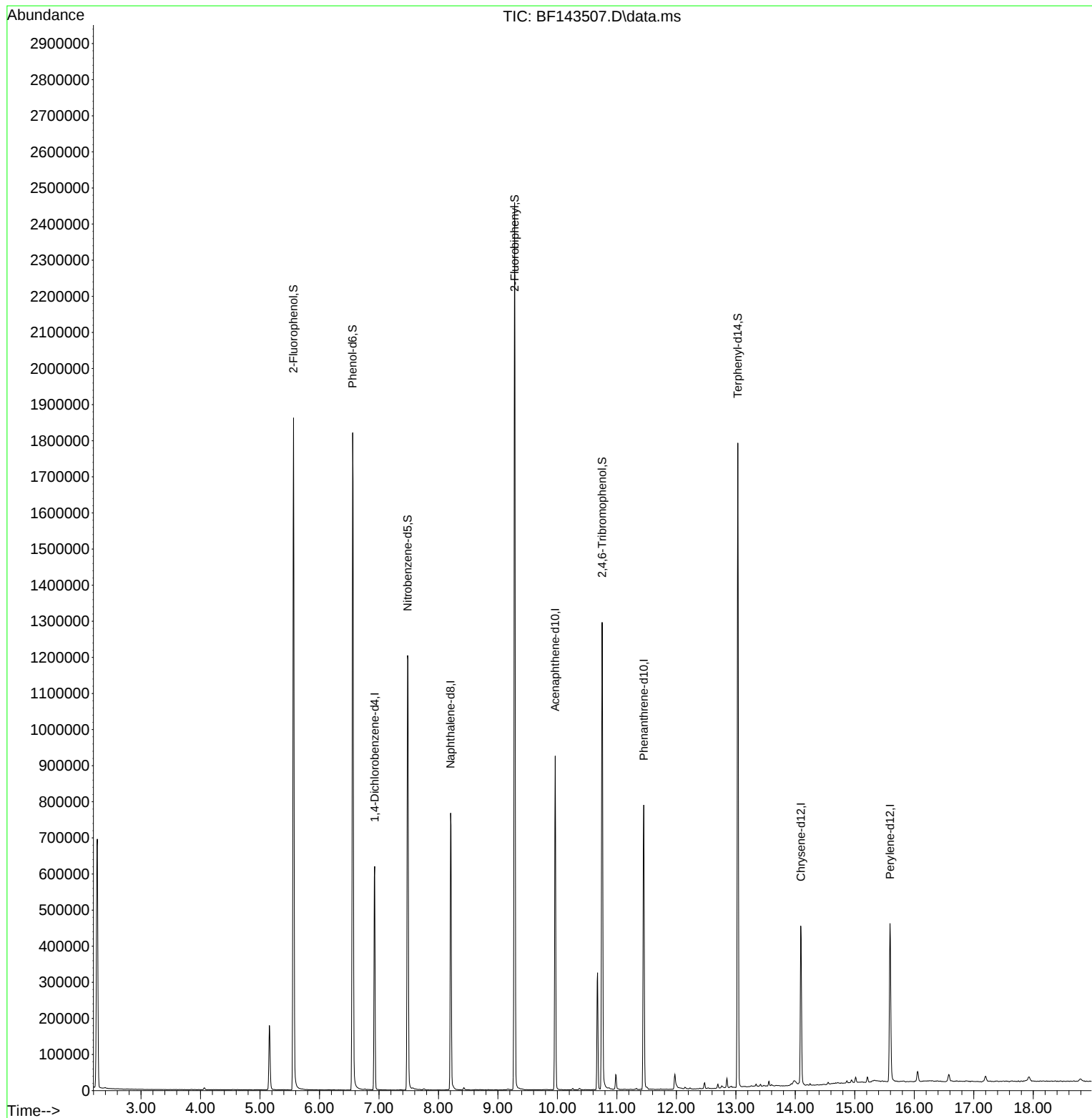
Target Compounds	Qvalue

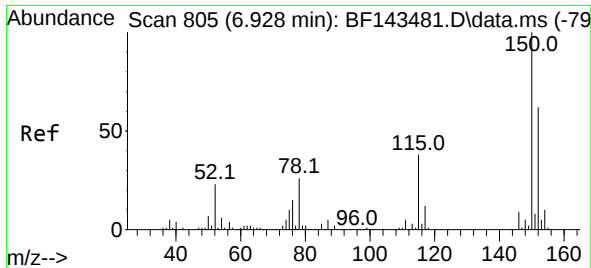
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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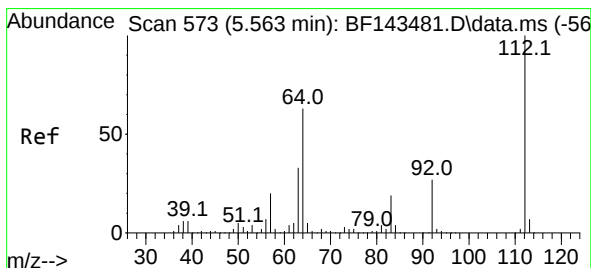
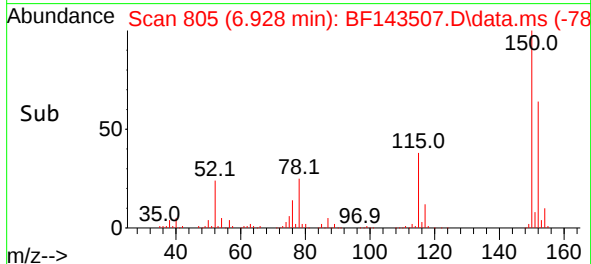
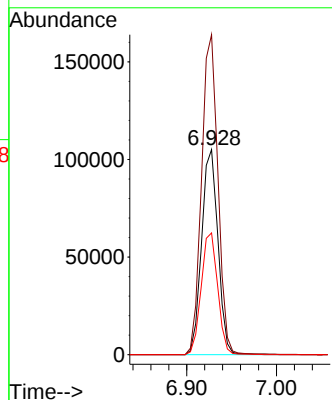
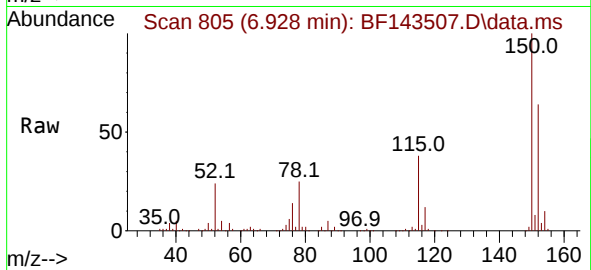




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.928 min Scan# 805
 Delta R.T. -0.000 min
 Lab File: BF143507.D
 Acq: 21 Aug 2025 02:25

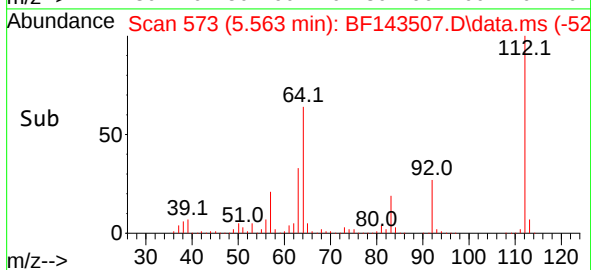
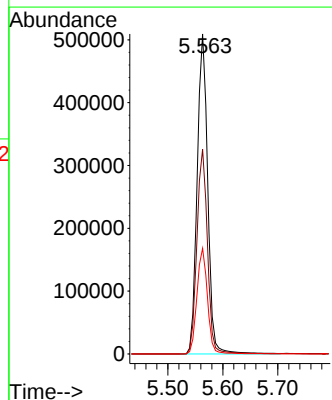
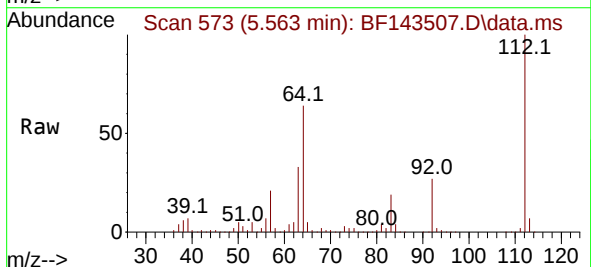
Instrument :
 BNA_F
 ClientSampleId :
 38M-W

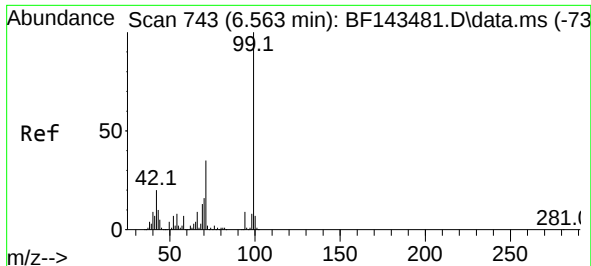
Tgt Ion:152 Resp: 132869
 Ion Ratio Lower Upper
 152 100
 150 156.1 128.9 193.3
 115 59.4 49.2 73.8



#5
 2-Fluorophenol
 Concen: 89.533 ng
 RT: 5.563 min Scan# 573
 Delta R.T. -0.000 min
 Lab File: BF143507.D
 Acq: 21 Aug 2025 02:25

Tgt Ion:112 Resp: 681277
 Ion Ratio Lower Upper
 112 100
 64 64.0 50.4 75.6
 63 33.0 26.4 39.6

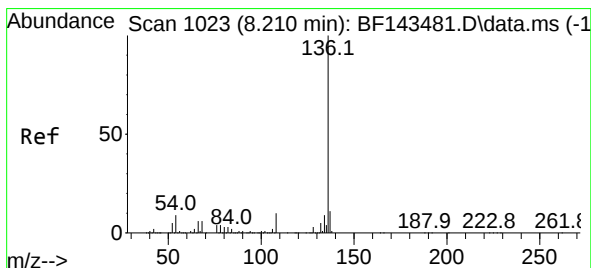
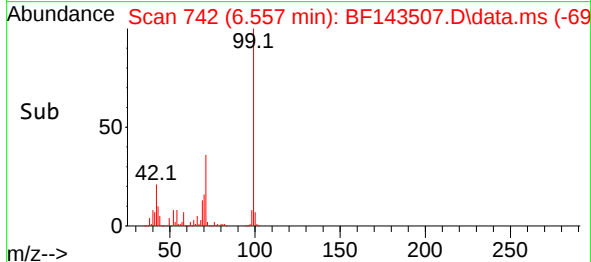
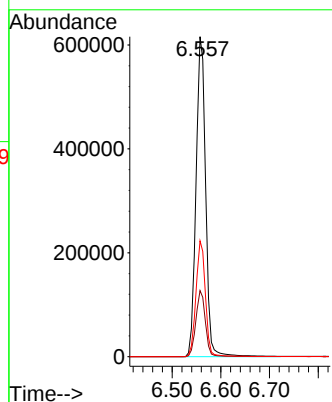
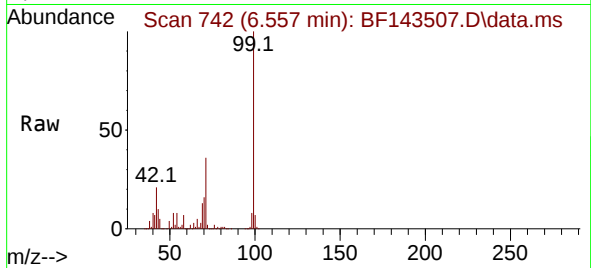




#7
Phenol-d6
Concen: 90.586 ng
RT: 6.557 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF143507.D
Acq: 21 Aug 2025 02:25

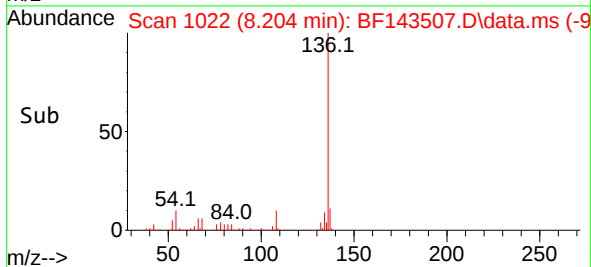
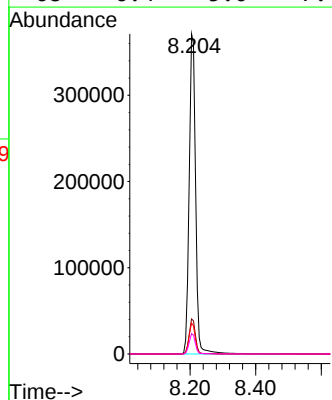
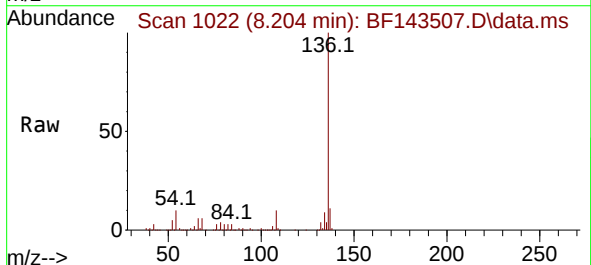
Instrument :
BNA_F
ClientSampleId :
38M-W

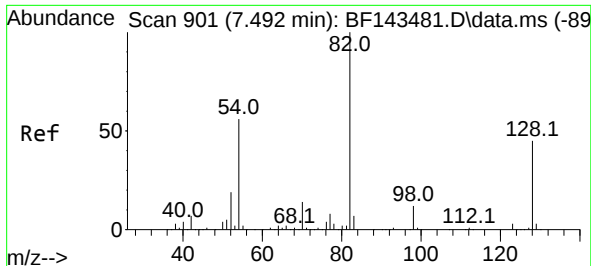
Tgt Ion: 99 Resp: 850891
Ion Ratio Lower Upper
99 100
42 20.7 16.3 24.5
71 36.2 28.2 42.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF143507.D
Acq: 21 Aug 2025 02:25

Tgt Ion: 136 Resp: 502084
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 9.7 7.4 11.2
68 6.4 5.0 7.4





#23

Nitrobenzene-d5

Concen: 64.399 ng

RT: 7.481 min Scan# 899

Delta R.T. -0.018 min

Lab File: BF143507.D

Acq: 21 Aug 2025 02:25

Instrument :

BNA_F

ClientSampleId :

38M-W

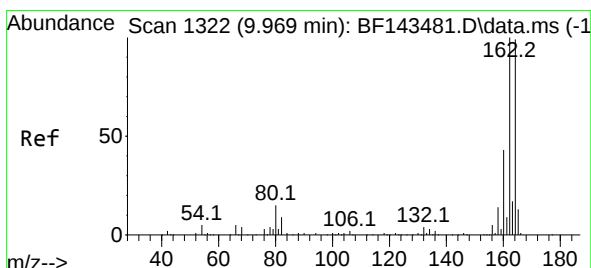
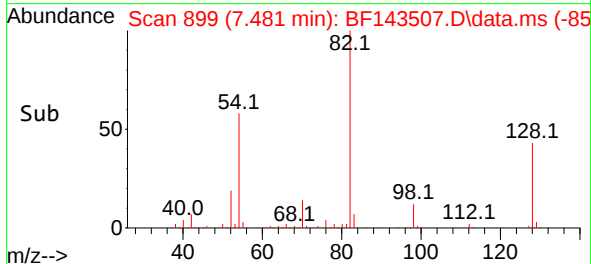
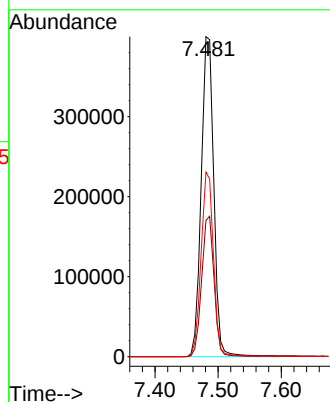
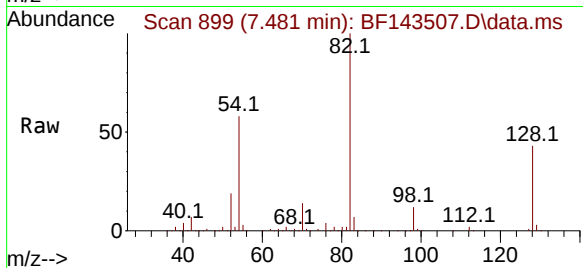
Tgt Ion: 82 Resp: 554091

Ion Ratio Lower Upper

82 100

128 42.5 35.5 53.3

54 57.7 44.3 66.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.963 min Scan# 1321

Delta R.T. -0.006 min

Lab File: BF143507.D

Acq: 21 Aug 2025 02:25

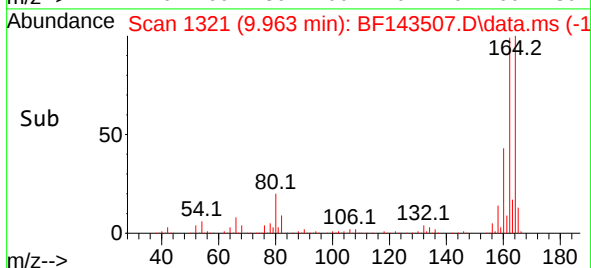
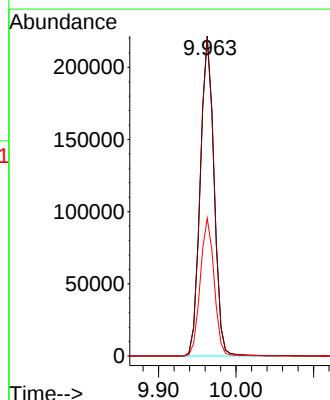
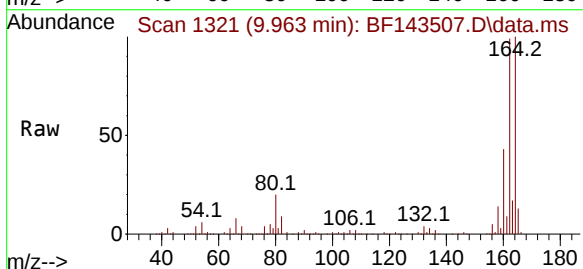
Tgt Ion:164 Resp: 273604

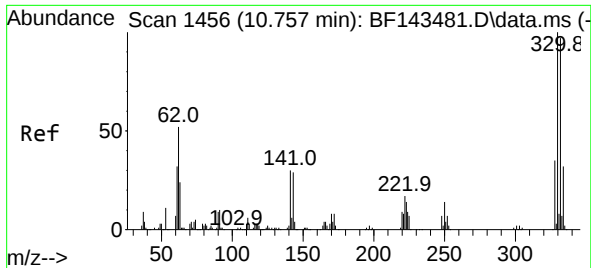
Ion Ratio Lower Upper

164 100

162 99.2 80.5 120.7

160 43.0 34.3 51.5





#42

2,4,6-Tribromophenol

Concen: 88.776 ng

RT: 10.751 min Scan# 1456

Delta R.T. -0.012 min

Lab File: BF143507.D

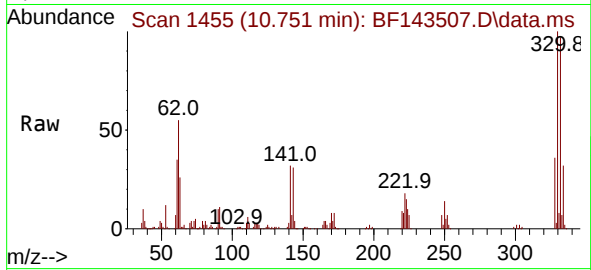
Acq: 21 Aug 2025 02:25

Instrument :

BNA_F

ClientSampleId :

38M-W



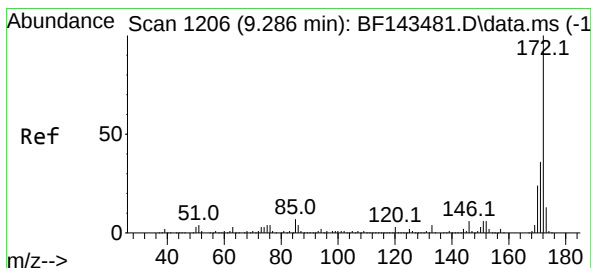
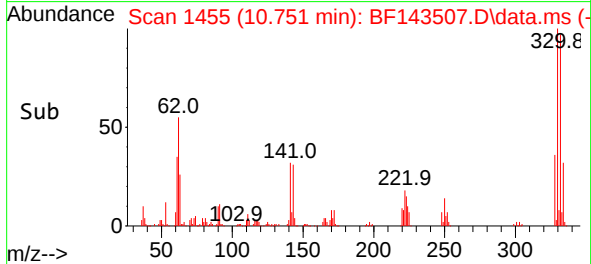
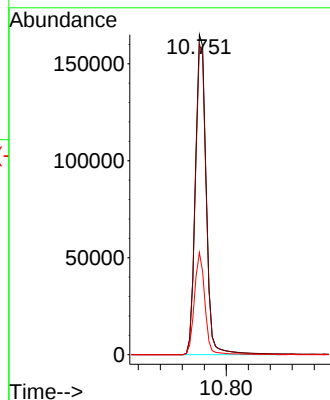
Tgt Ion:330 Resp: 226099

Ion Ratio Lower Upper

330 100

332 97.0 78.0 117.0

141 30.9 23.7 35.5



#45

2-Fluorobiphenyl

Concen: 64.844 ng

RT: 9.280 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF143507.D

Acq: 21 Aug 2025 02:25

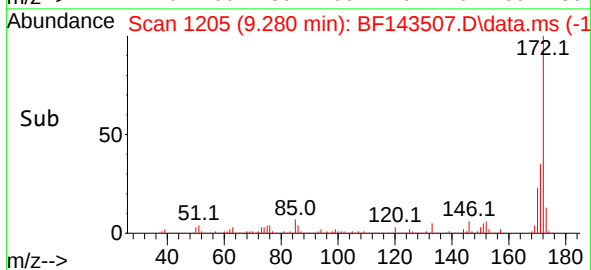
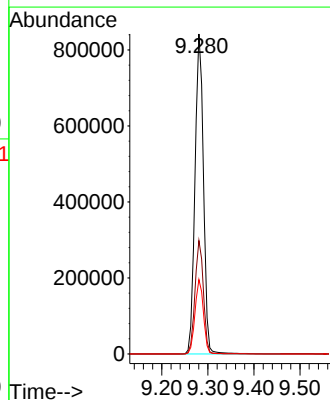
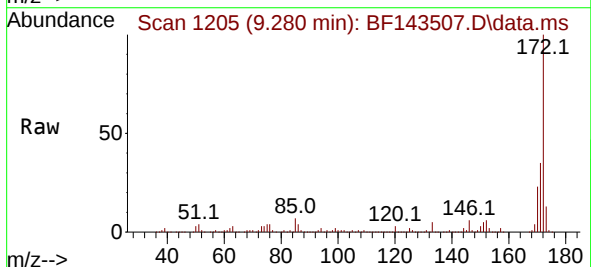
Tgt Ion:172 Resp: 1073508

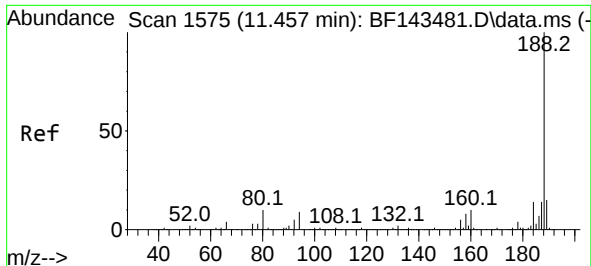
Ion Ratio Lower Upper

172 100

171 35.4 28.8 43.2

170 23.2 18.8 28.2

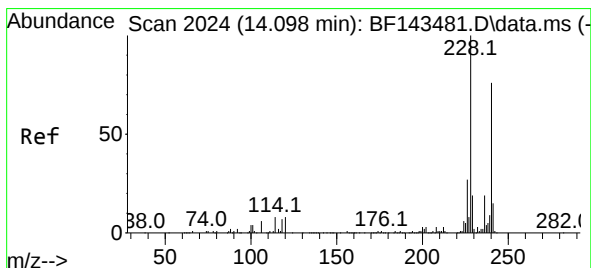
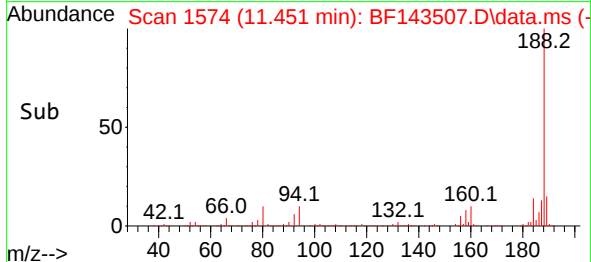
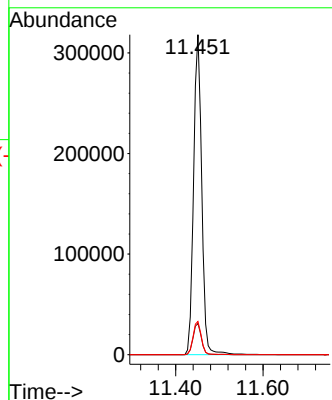
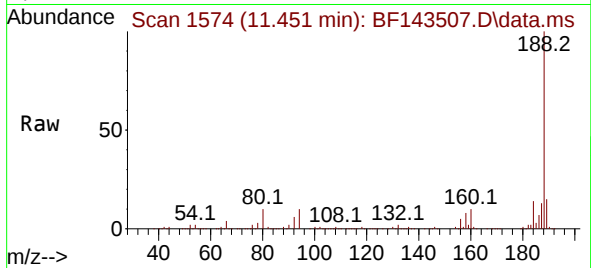




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143507.D
Acq: 21 Aug 2025 02:25

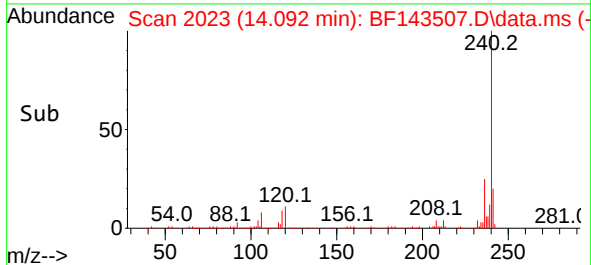
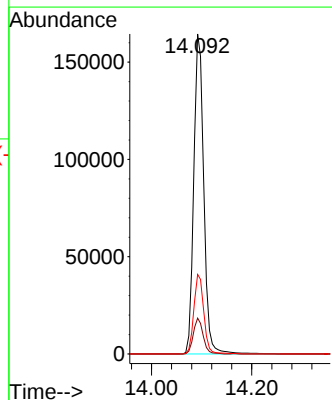
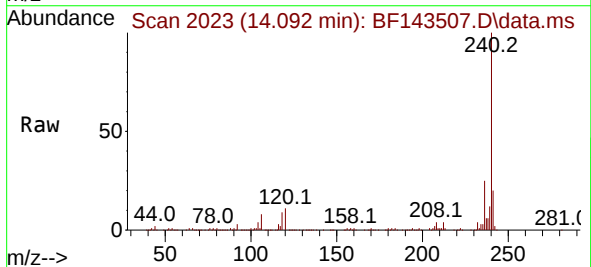
Instrument :
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38M-W

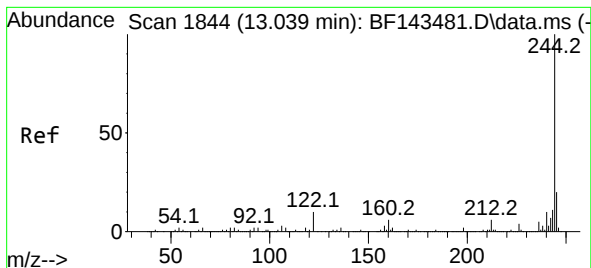
Tgt Ion:188 Resp: 412276
Ion Ratio Lower Upper
188 100
94 9.7 7.4 11.2
80 10.4 8.2 12.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2023
Delta R.T. -0.012 min
Lab File: BF143507.D
Acq: 21 Aug 2025 02:25

Tgt Ion:240 Resp: 227079
Ion Ratio Lower Upper
240 100
120 11.2 8.6 12.8
236 24.9 20.4 30.6





#79

Terphenyl-d14

Concen: 65.696 ng

RT: 13.033 min Scan# 1844

Delta R.T. -0.006 min

Lab File: BF143507.D

Acq: 21 Aug 2025 02:25

Instrument :

BNA_F

ClientSampleId :

38M-W

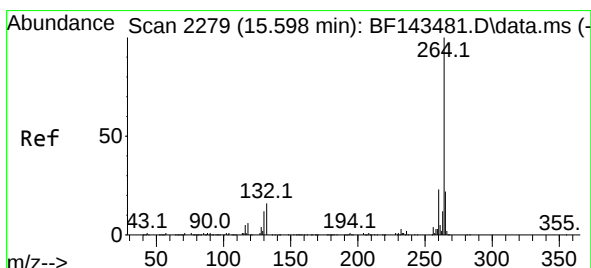
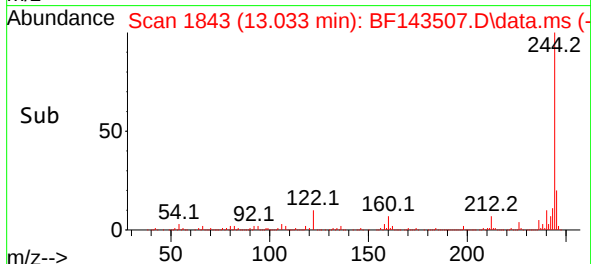
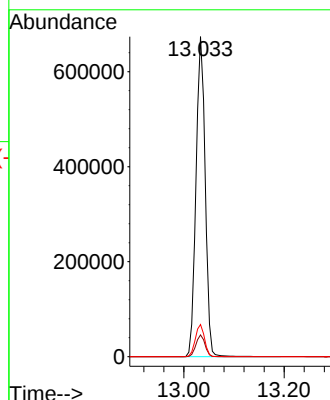
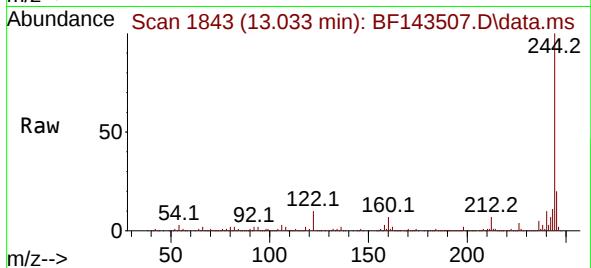
Tgt Ion:244 Resp: 854893

Ion Ratio Lower Upper

244 100

212 6.8 5.2 7.8

122 10.0 7.9 11.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.592 min Scan# 2278

Delta R.T. -0.006 min

Lab File: BF143507.D

Acq: 21 Aug 2025 02:25

Tgt Ion:264 Resp: 276806

Ion Ratio Lower Upper

264 100

260 22.8 18.7 28.1

265 20.7 17.6 26.4

