

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032725\
 Data File : BF142134.D
 Acq On : 27 Mar 2025 19:44
 Operator : RC/JU
 Sample : Q1648-11
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-8

Quant Time: Mar 28 01:56:31 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

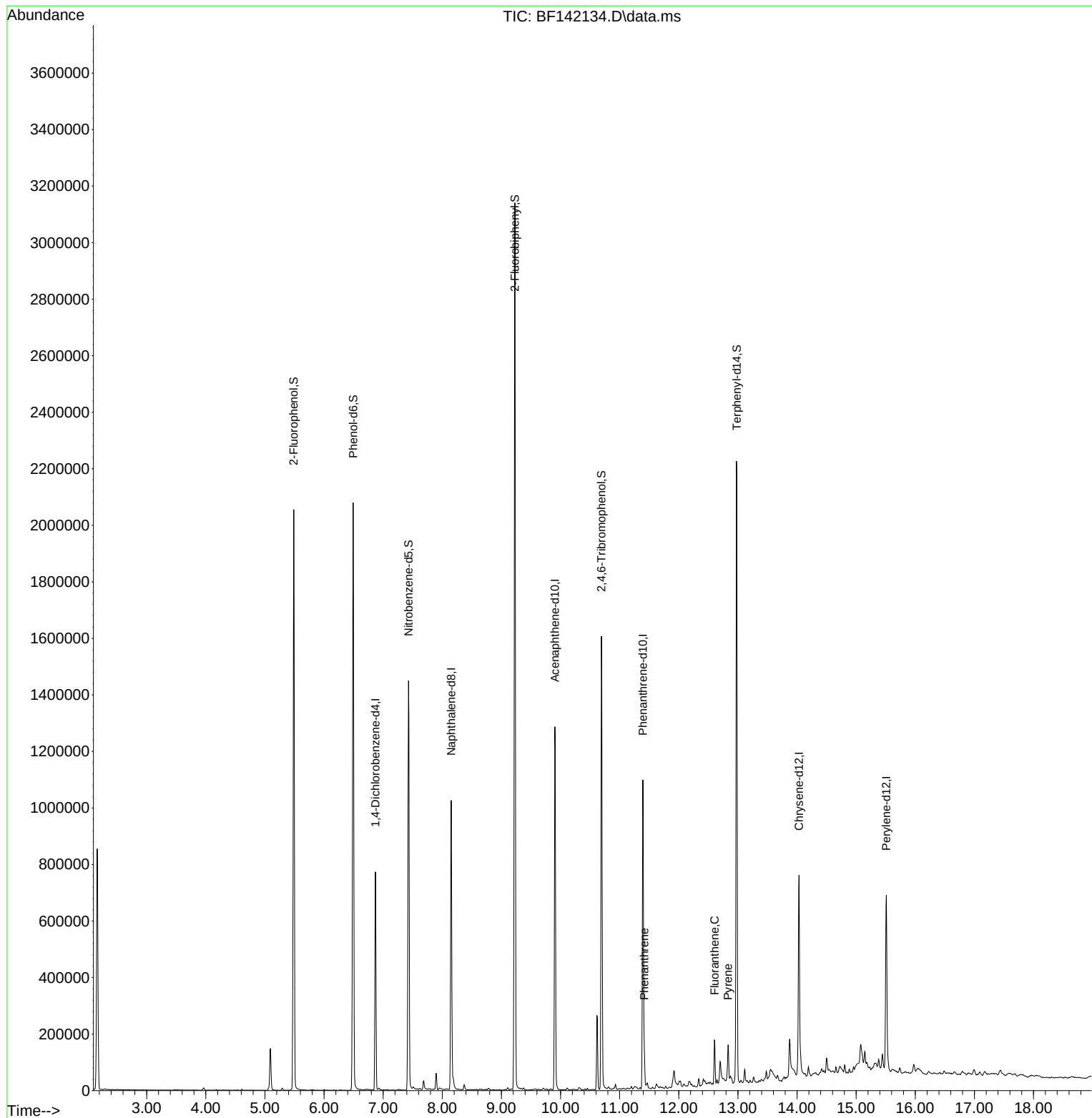
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	162767	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	669062	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	396846	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	558799	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	330318	20.000	ng	0.00
86) Perylene-d12	15.510	264	366643	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	801041	82.136	ng	0.00
7) Phenol-d6	6.493	99	1021951	82.301	ng	-0.01
23) Nitrobenzene-d5	7.428	82	691194	58.137	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	300196	59.628	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	1414166	54.194	ng	-0.01
79) Terphenyl-d14	12.980	244	1104388	49.431	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.416	178	67252	2.228	ng	98
75) Fluoranthene	12.604	202	91091	2.845	ng	99
78) Pyrene	12.833	202	76492	2.677	ng	98

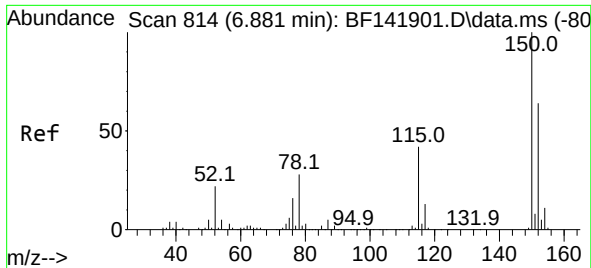
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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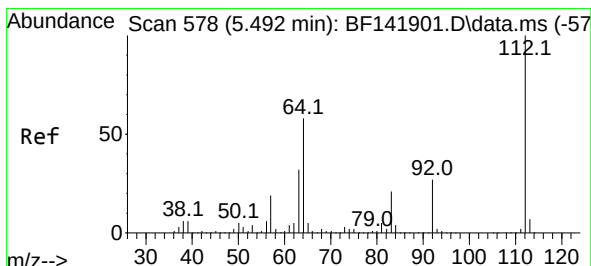
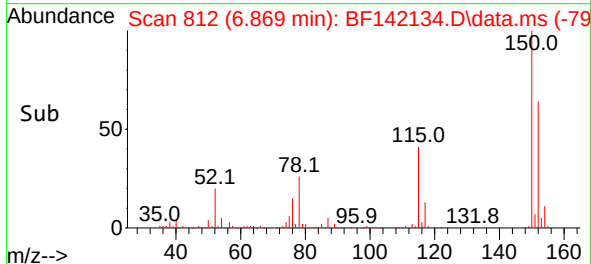
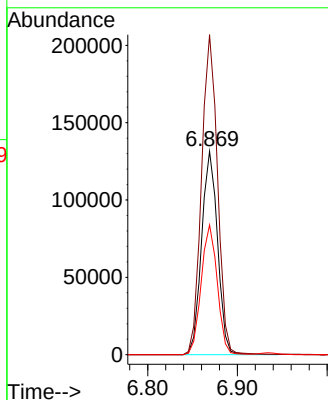
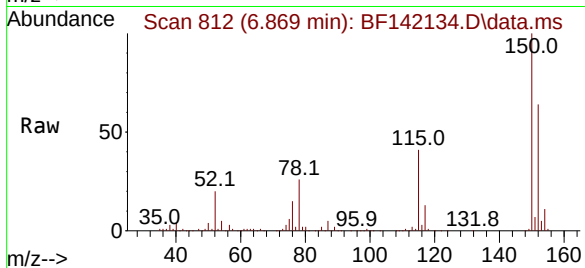




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 814
Delta R.T. -0.012 min
Lab File: BF142134.D
Acq: 27 Mar 2025 19:44

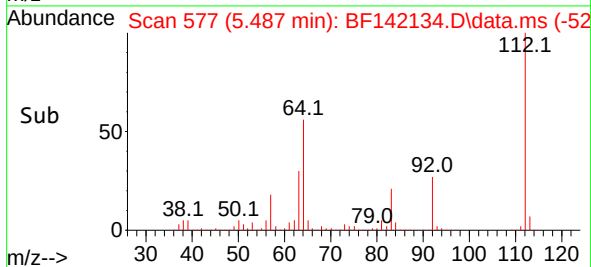
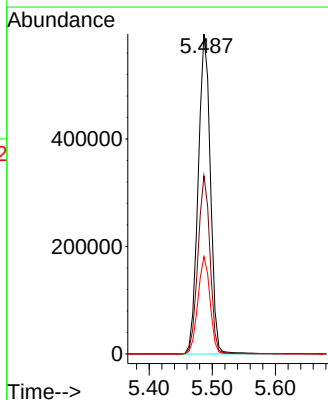
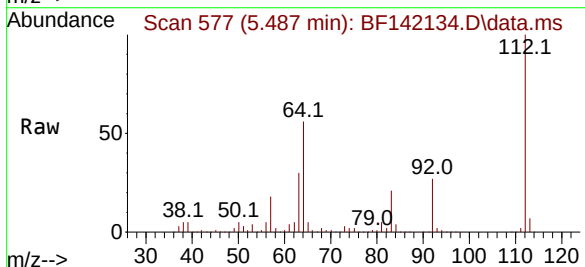
Instrument :
BNA_F
ClientSampleId :
TP-8

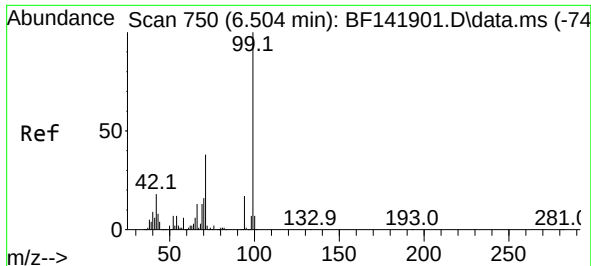
Tgt Ion:152 Resp: 162767
Ion Ratio Lower Upper
152 100
150 157.3 127.4 191.2
115 63.8 51.9 77.9



#5
2-Fluorophenol
Concen: 82.136 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF142134.D
Acq: 27 Mar 2025 19:44

Tgt Ion:112 Resp: 801041
Ion Ratio Lower Upper
112 100
64 55.7 46.5 69.7
63 30.4 25.4 38.2





#7
Phenol-d6
Concen: 82.301 ng
RT: 6.493 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF142134.D
Acq: 27 Mar 2025 19:44

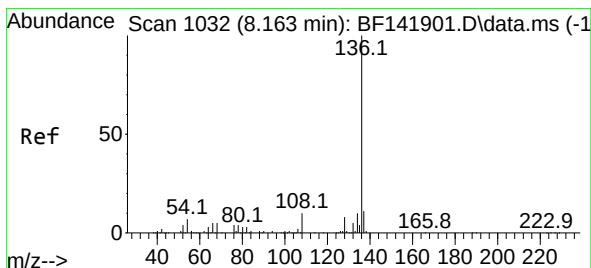
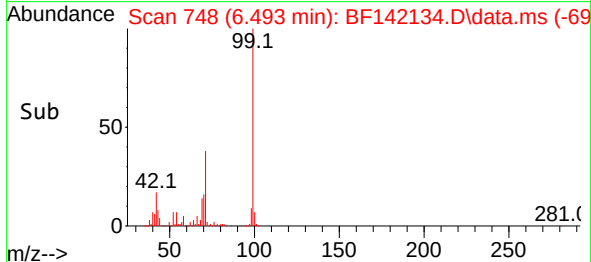
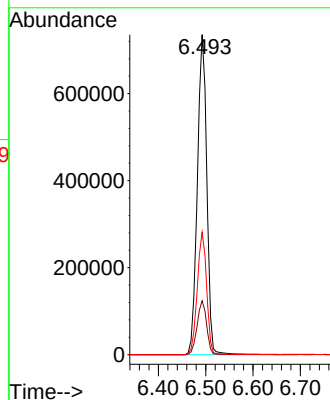
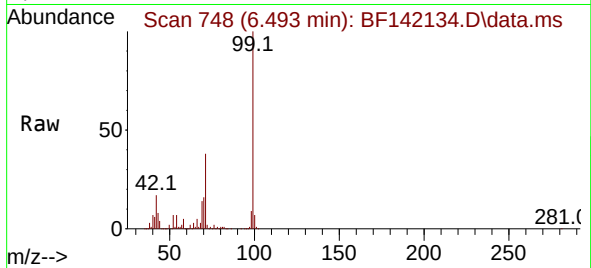
Instrument :

BNA_F

ClientSampleId :

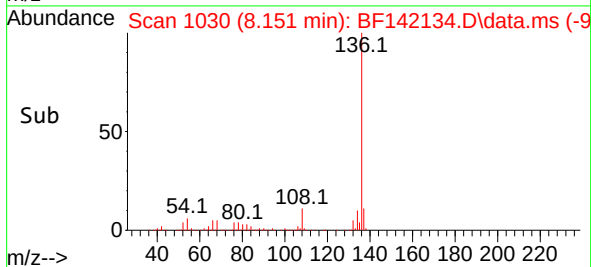
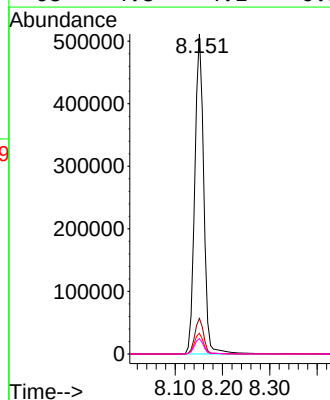
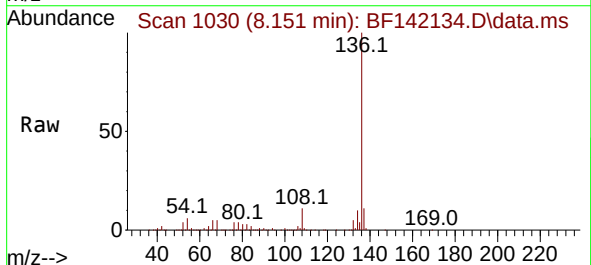
TP-8

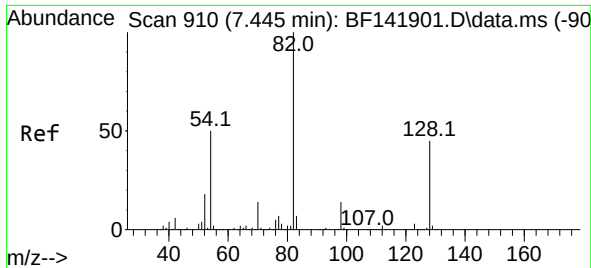
Tgt Ion: 99 Resp: 1021951
Ion Ratio Lower Upper
99 100
42 16.9 14.6 21.8
71 38.3 30.8 46.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF142134.D
Acq: 27 Mar 2025 19:44

Tgt Ion: 136 Resp: 669062
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 6.5 5.8 8.8
68 4.8 4.1 6.1

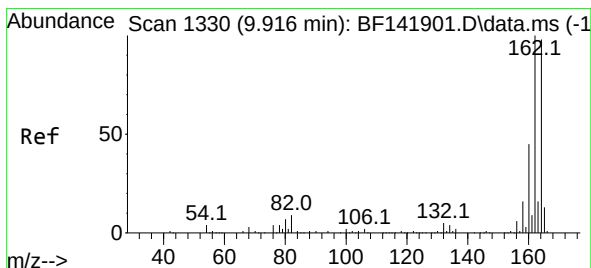
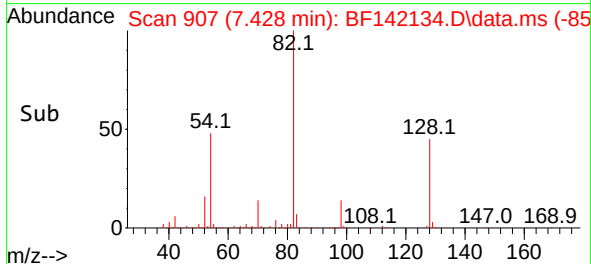
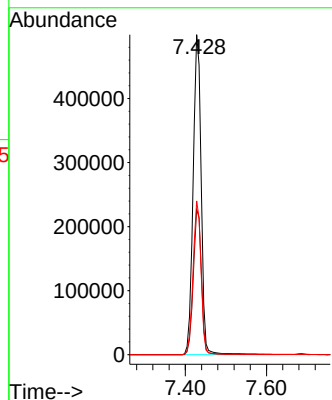
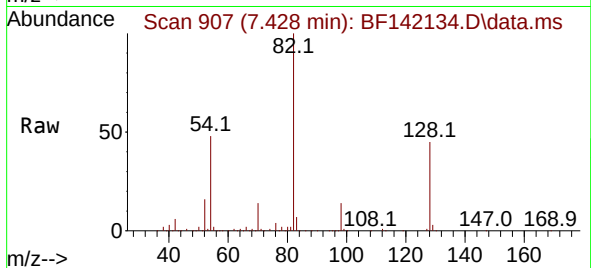




#23
 Nitrobenzene-d5
 Concen: 58.137 ng
 RT: 7.428 min Scan# 90
 Delta R.T. -0.018 min
 Lab File: BF142134.D
 Acq: 27 Mar 2025 19:44

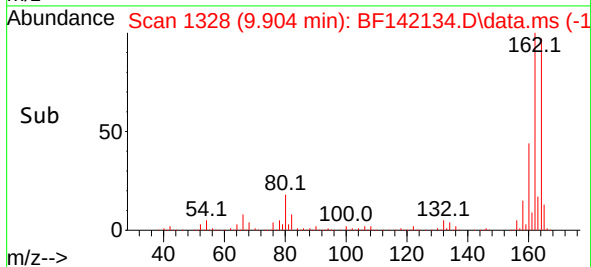
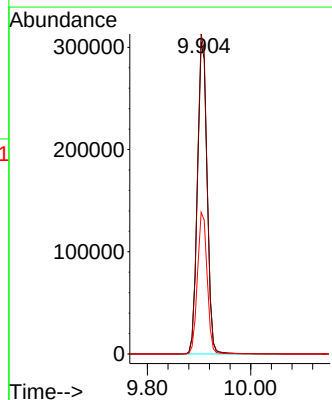
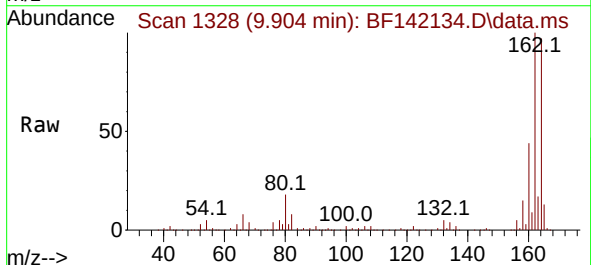
Instrument :
 BNA_F
 ClientSampleId :
 TP-8

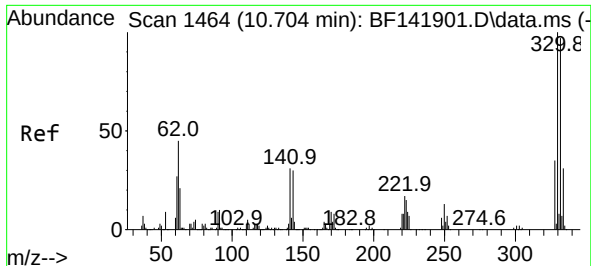
Tgt Ion: 82 Resp: 691194
 Ion Ratio Lower Upper
 82 100
 128 45.4 36.0 54.0
 54 48.0 39.6 59.4



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.904 min Scan# 1328
 Delta R.T. -0.012 min
 Lab File: BF142134.D
 Acq: 27 Mar 2025 19:44

Tgt Ion:164 Resp: 396846
 Ion Ratio Lower Upper
 164 100
 162 102.7 81.8 122.6
 160 45.4 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 59.628 ng

RT: 10.692 min Scan# 1462

Delta R.T. -0.012 min

Lab File: BF142134.D

Acq: 27 Mar 2025 19:44

Instrument :

BNA_F

ClientSampleId :

TP-8

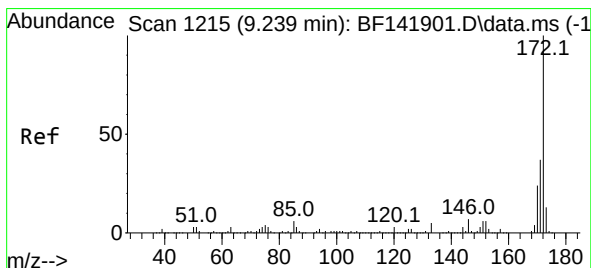
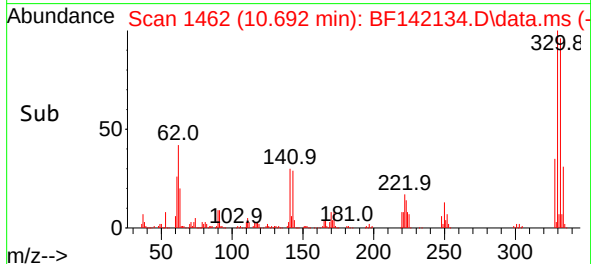
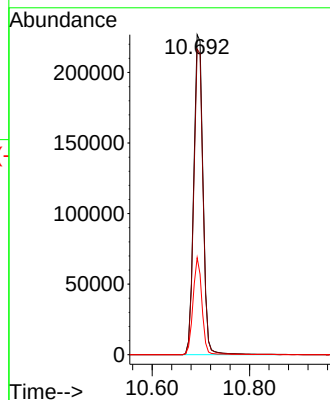
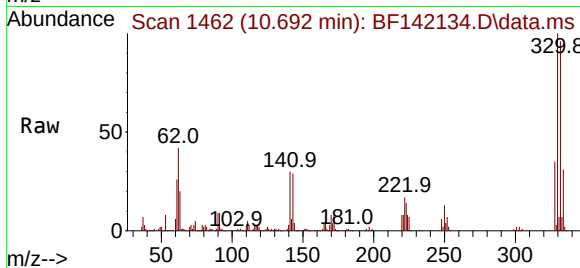
Tgt Ion:330 Resp: 300196

Ion Ratio Lower Upper

330 100

332 95.7 77.6 116.4

141 29.1 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 54.194 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.012 min

Lab File: BF142134.D

Acq: 27 Mar 2025 19:44

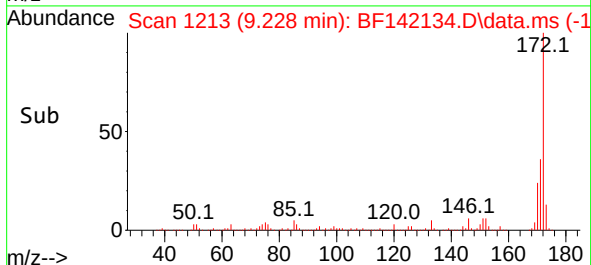
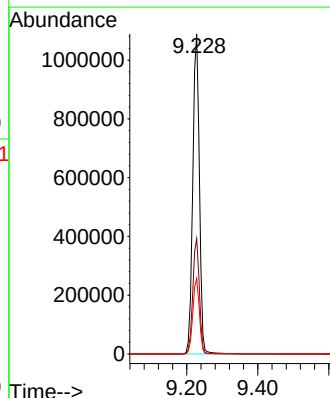
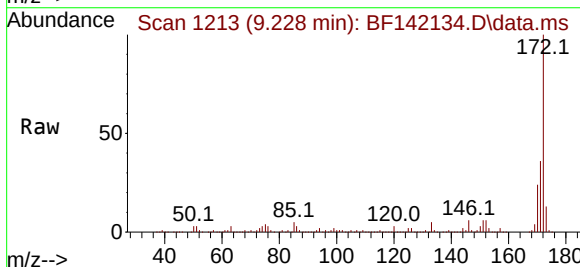
Tgt Ion:172 Resp: 1414166

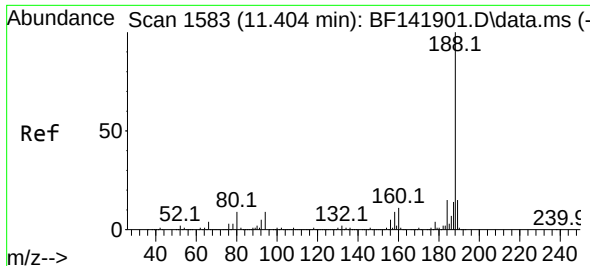
Ion Ratio Lower Upper

172 100

171 36.0 29.3 43.9

170 23.6 19.4 29.0

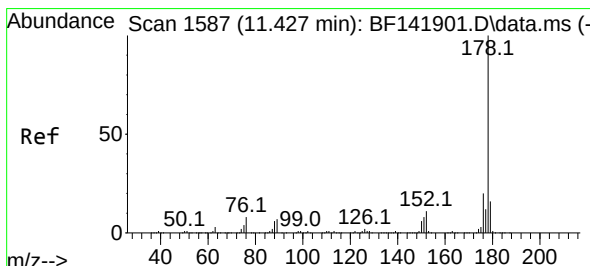
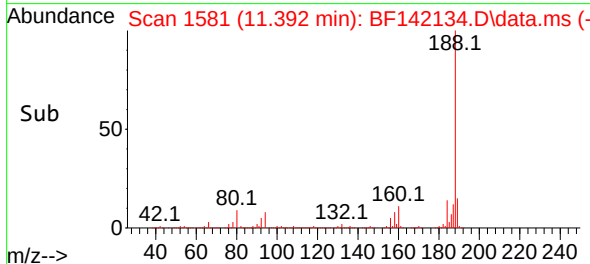
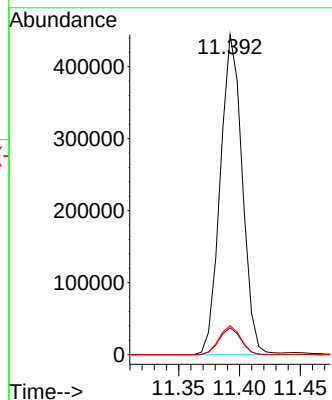
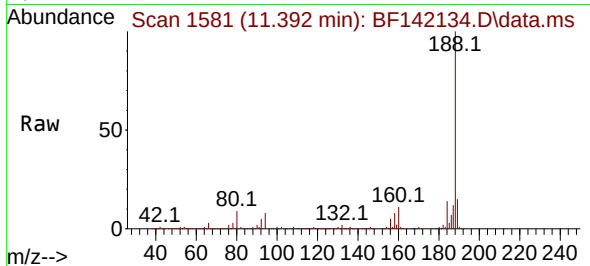




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142134.D
Acq: 27 Mar 2025 19:44

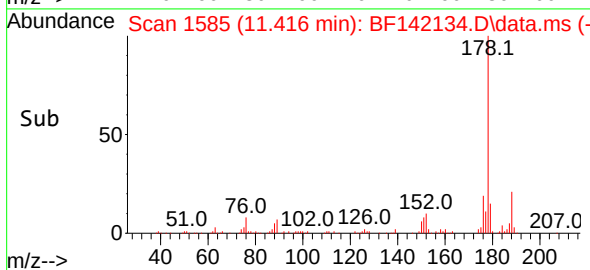
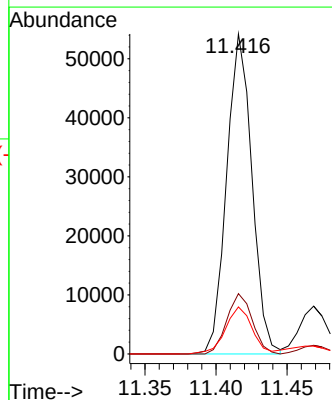
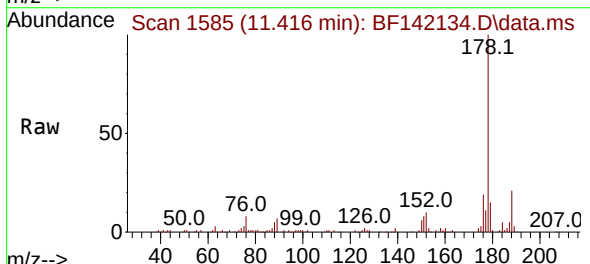
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TP-8

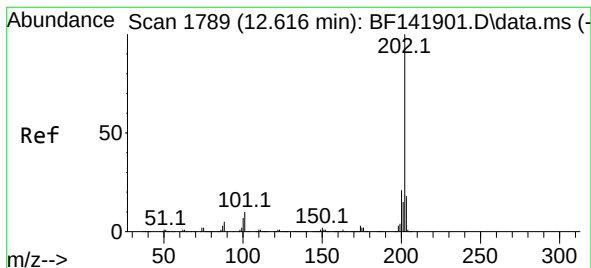
Tgt Ion:188 Resp: 558799
Ion Ratio Lower Upper
188 100
94 8.4 6.8 10.2
80 9.1 7.6 11.4



#71
Phenanthrene
Concen: 2.228 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.012 min
Lab File: BF142134.D
Acq: 27 Mar 2025 19:44

Tgt Ion:178 Resp: 67252
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.8
179 14.7 12.6 19.0





#75

Fluoranthene

Concen: 2.845 ng

RT: 12.604 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF142134.D

Acq: 27 Mar 2025 19:44

Instrument :

BNA_F

ClientSampleId :

TP-8

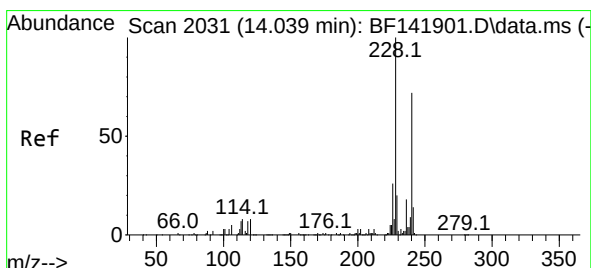
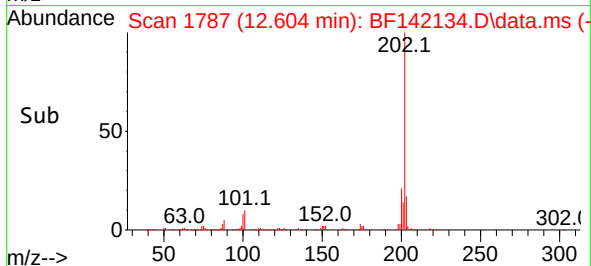
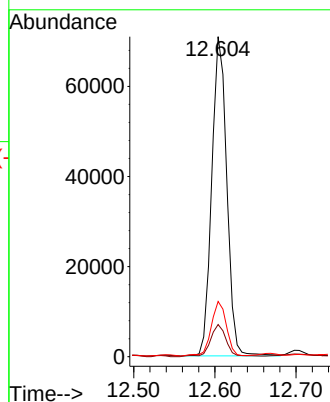
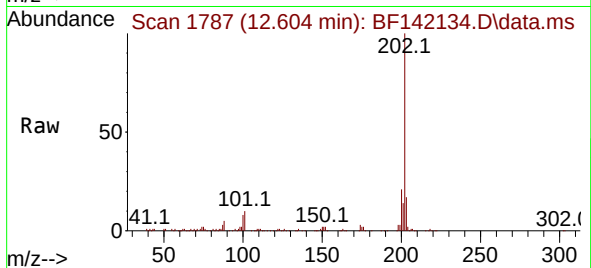
Tgt Ion:202 Resp: 91091

Ion Ratio Lower Upper

202 100

101 10.1 0.0 29.7

203 17.3 0.0 37.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF142134.D

Acq: 27 Mar 2025 19:44

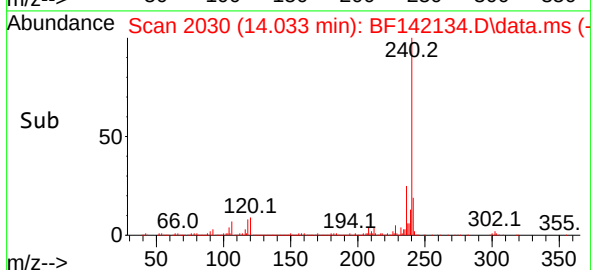
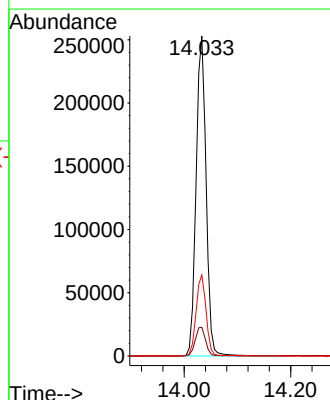
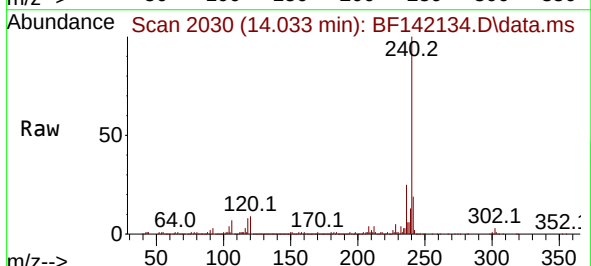
Tgt Ion:240 Resp: 330318

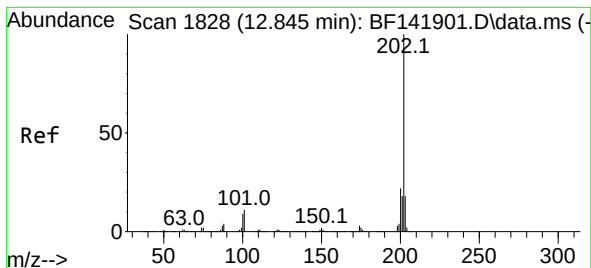
Ion Ratio Lower Upper

240 100

120 9.0 8.4 12.6

236 25.3 20.5 30.7





#78

Pyrene

Concen: 2.677 ng

RT: 12.833 min Scan# 1826

Delta R.T. -0.012 min

Lab File: BF142134.D

Acq: 27 Mar 2025 19:44

Instrument :

BNA_F

ClientSampleId :

TP-8

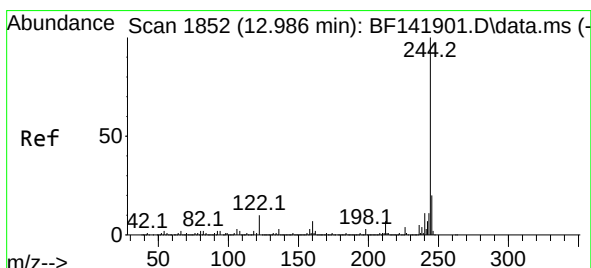
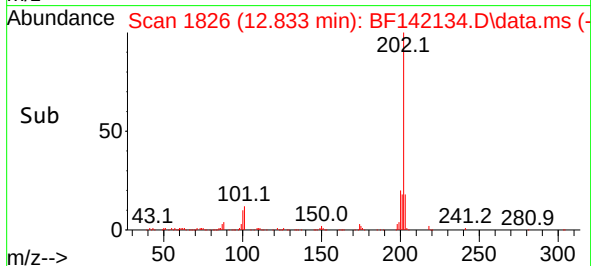
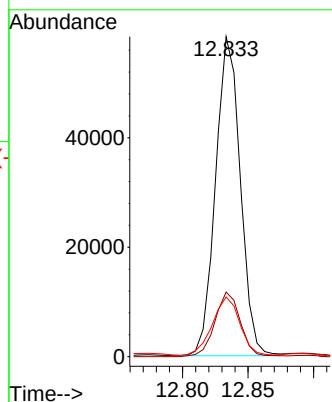
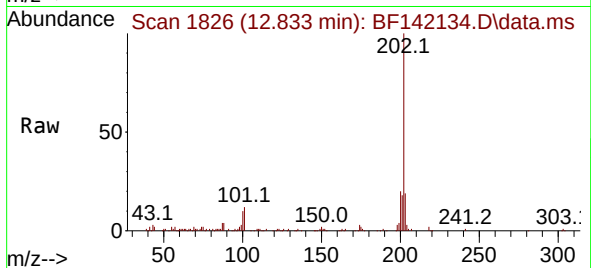
Tgt Ion:202 Resp: 76492

Ion Ratio Lower Upper

202 100

200 20.2 17.3 25.9

203 18.6 14.4 21.6



#79

Terphenyl-d14

Concen: 49.431 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF142134.D

Acq: 27 Mar 2025 19:44

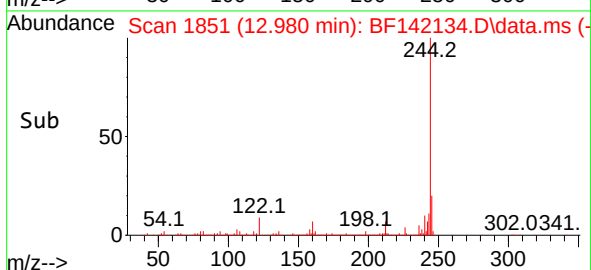
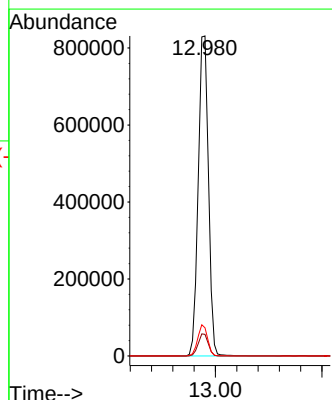
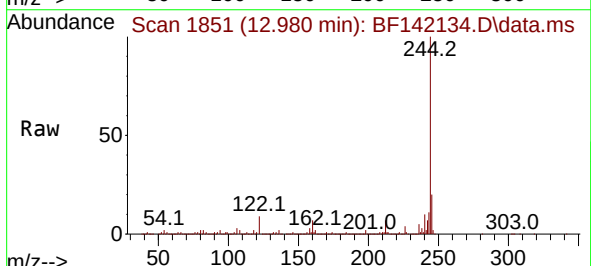
Tgt Ion:244 Resp: 1104388

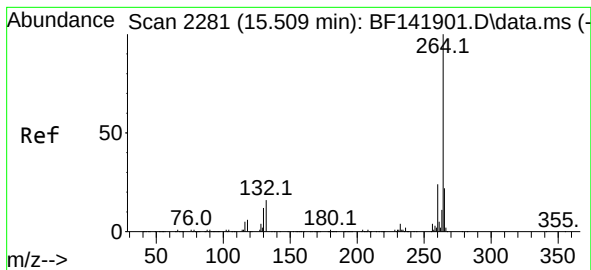
Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

122 8.8 7.7 11.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.510 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF142134.D

Acq: 27 Mar 2025 19:44

Instrument :

BNA_F

ClientSampleId :

TP-8

Tgt Ion:264 Resp: 366643

Ion Ratio Lower Upper

264 100

260 23.4 19.1 28.7

265 21.7 17.5 26.3

