

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
 Data File : BF142661.D
 Acq On : 06 Jun 2025 22:31
 Operator : RC/JU
 Sample : Q2176-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-46

Quant Time: Jun 07 00:37:33 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 20 16:26:47 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	124234	20.000	ng	-0.01
21) Naphthalene-d8	8.175	136	473472	20.000	ng	-0.01
39) Acenaphthene-d10	9.934	164	251337	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	378800	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	233380	20.000	ng	-0.01
86) Perylene-d12	15.557	264	269073	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	621093	84.227	ng	0.00
7) Phenol-d6	6.516	99	759087	85.516	ng	-0.02
23) Nitrobenzene-d5	7.451	82	459762	52.950	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	222131	79.630	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	1043333	55.702	ng	-0.02
79) Terphenyl-d14	13.010	244	777820	45.545	ng	0.00

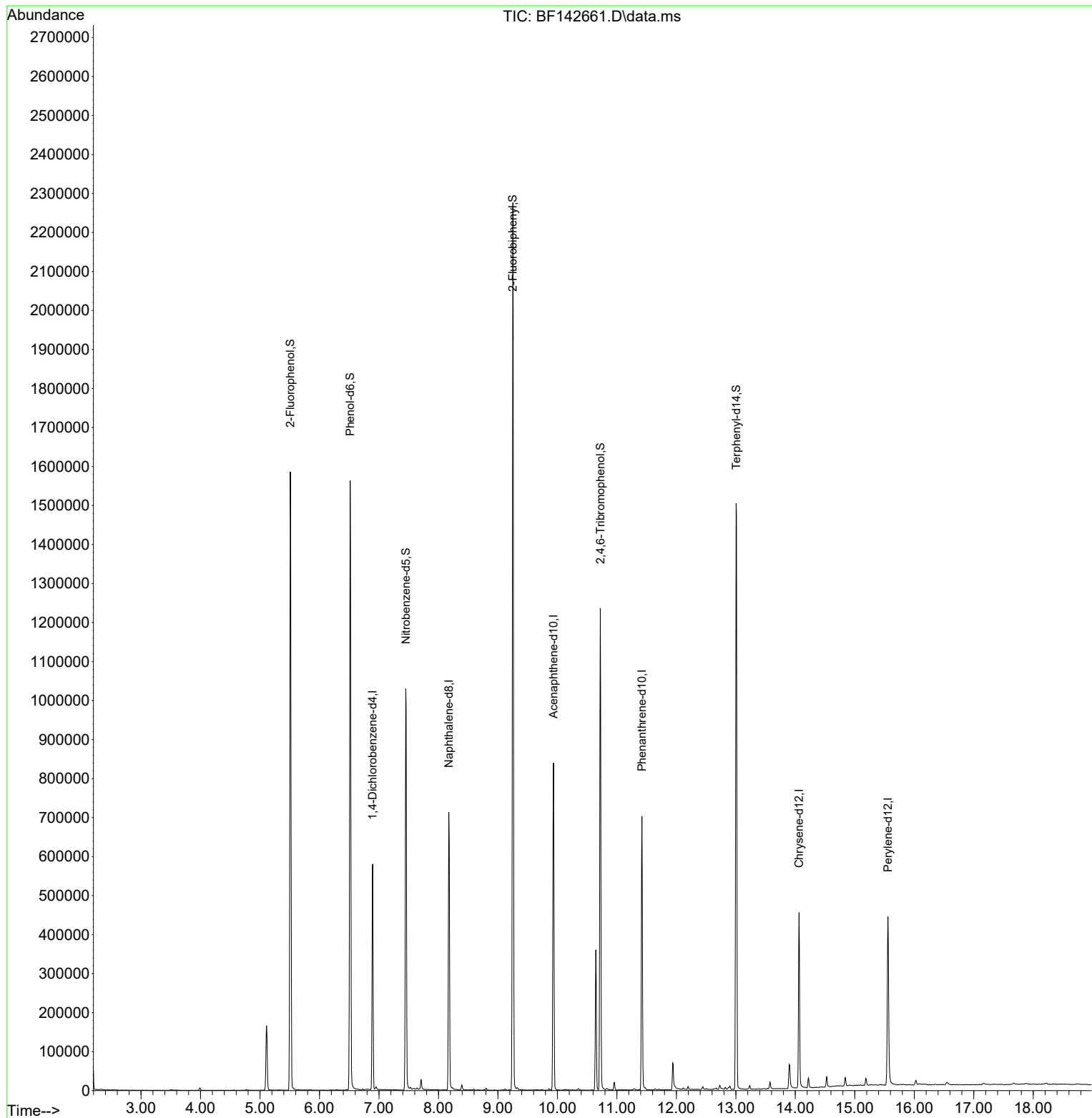
Target Compounds	Qvalue

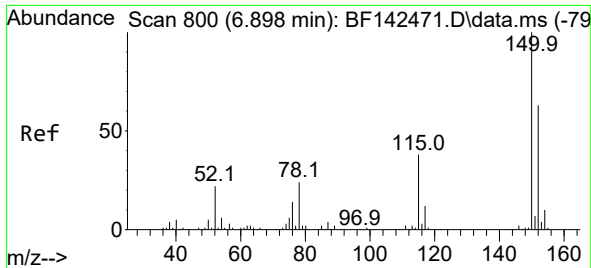
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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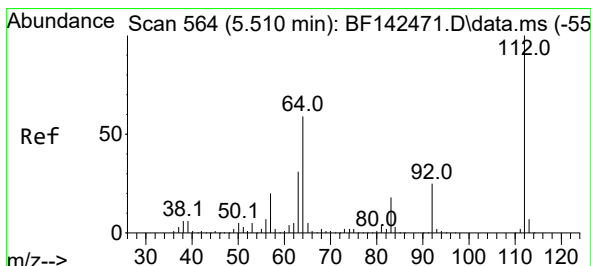
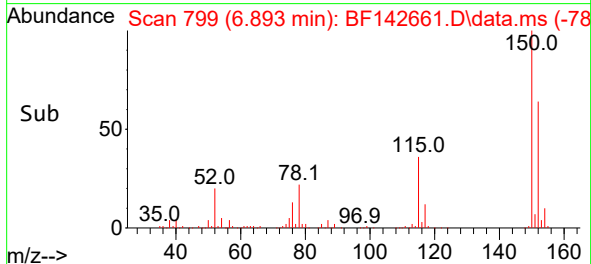
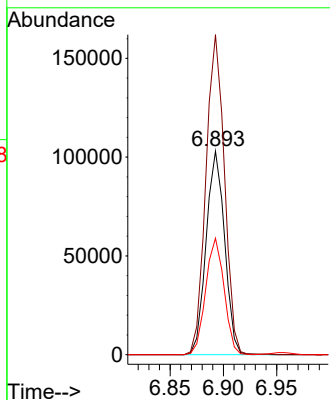
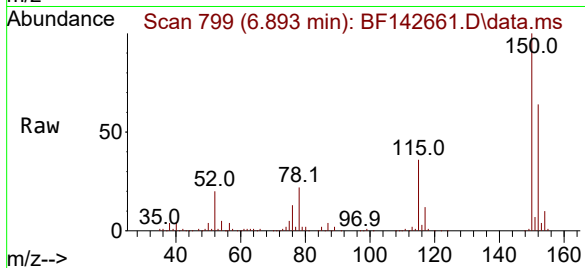




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF142661.D
Acq: 06 Jun 2025 22:31

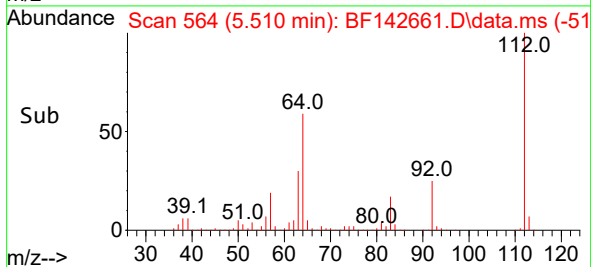
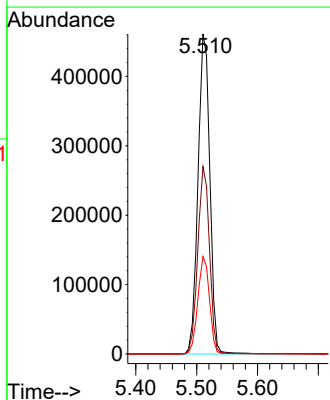
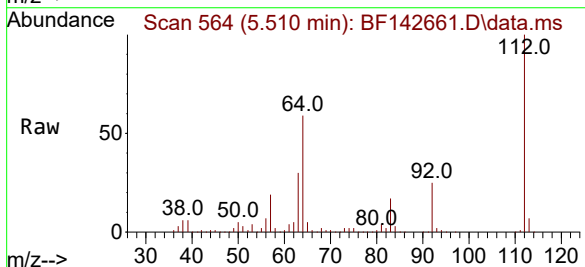
Instrument :
BNA_F
ClientSampleId :
TP-46

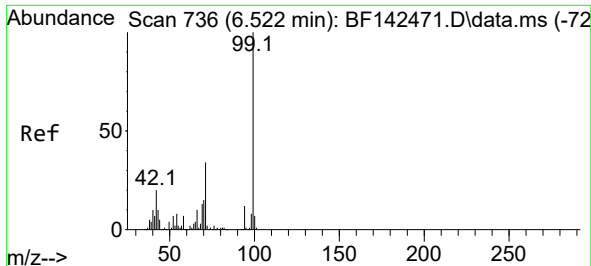
Tgt Ion:152 Resp: 124234
Ion Ratio Lower Upper
152 100
150 157.2 128.2 192.4
115 57.2 48.3 72.5



#5
2-Fluorophenol
Concen: 84.227 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142661.D
Acq: 06 Jun 2025 22:31

Tgt Ion:112 Resp: 621093
Ion Ratio Lower Upper
112 100
64 58.6 47.5 71.3
63 30.5 24.9 37.3

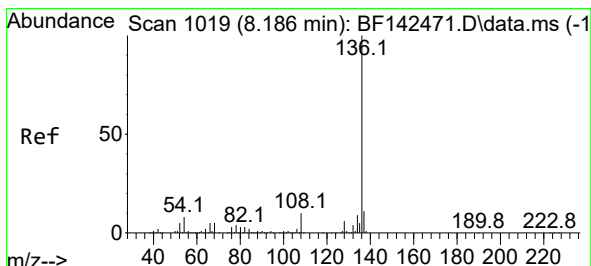
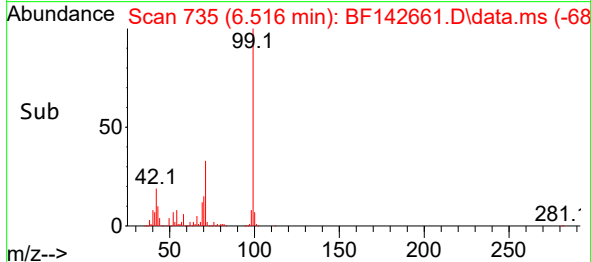
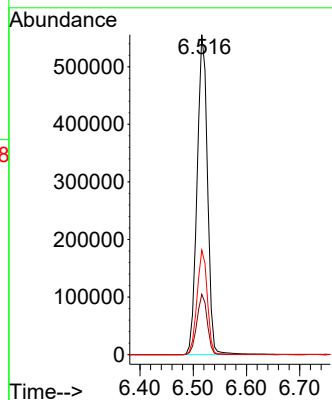
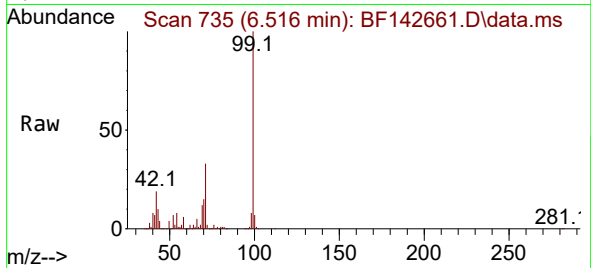




#7
Phenol-d6
Concen: 85.516 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF142661.D
Acq: 06 Jun 2025 22:31

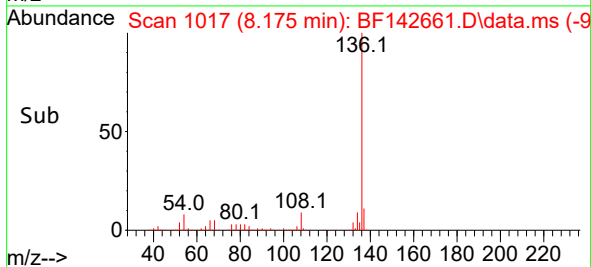
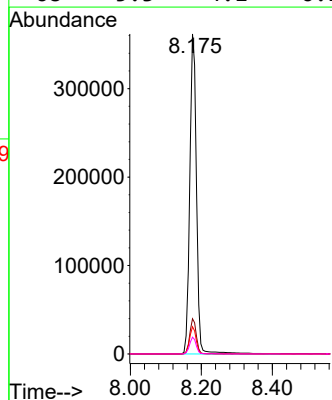
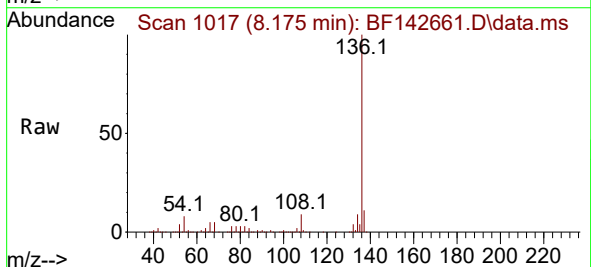
Instrument :
BNA_F
ClientSampleId :
TP-46

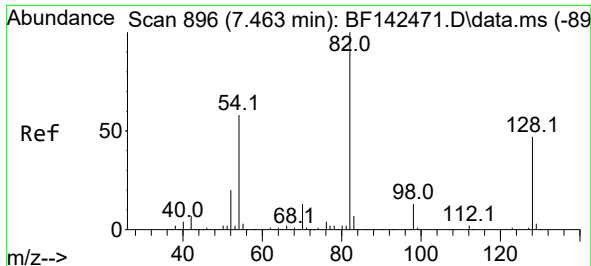
Tgt Ion: 99 Resp: 759087
Ion Ratio Lower Upper
99 100
42 18.8 16.2 24.2
71 32.7 27.3 40.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF142661.D
Acq: 06 Jun 2025 22:31

Tgt Ion: 136 Resp: 473472
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.5 6.6 10.0
68 5.3 4.1 6.1





#23

Nitrobenzene-d5

Concen: 52.950 ng

RT: 7.451 min Scan# 89

Delta R.T. -0.023 min

Lab File: BF142661.D

Acq: 06 Jun 2025 22:31

Instrument :

BNA_F

ClientSampleId :

TP-46

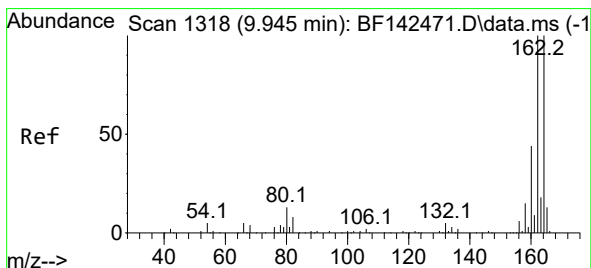
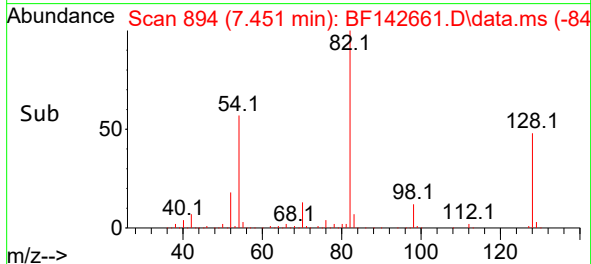
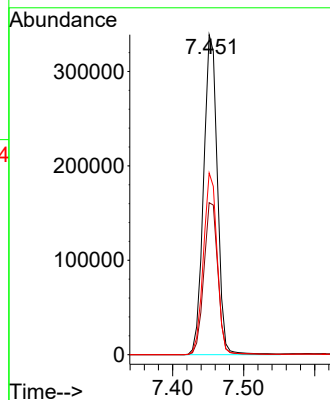
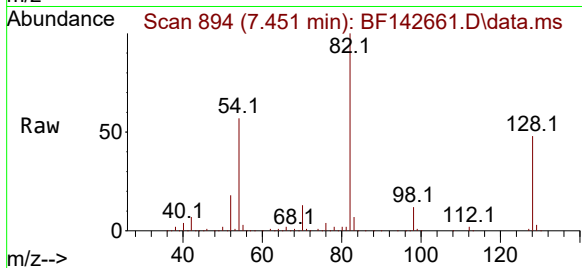
Tgt Ion: 82 Resp: 459762

Ion Ratio Lower Upper

82 100

128 47.5 37.4 56.2

54 56.8 46.6 70.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.934 min Scan# 1316

Delta R.T. -0.012 min

Lab File: BF142661.D

Acq: 06 Jun 2025 22:31

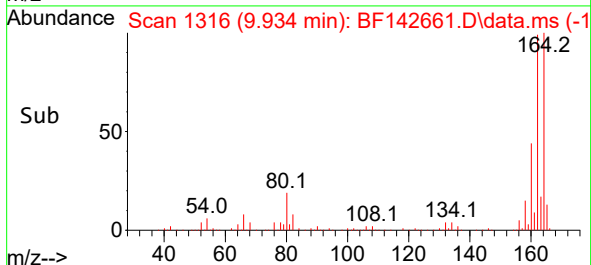
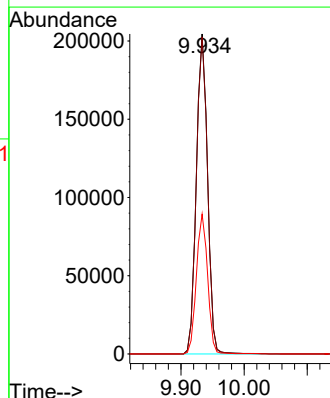
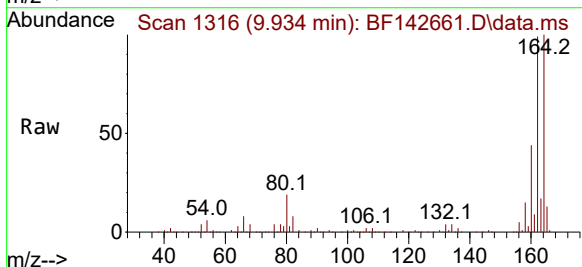
Tgt Ion:164 Resp: 251337

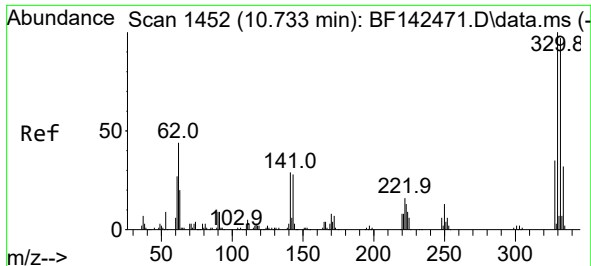
Ion Ratio Lower Upper

164 100

162 99.1 80.2 120.4

160 43.7 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 79.630 ng

RT: 10.722 min Scan# 1450

Delta R.T. -0.017 min

Lab File: BF142661.D

Acq: 06 Jun 2025 22:31

Instrument :

BNA_F

ClientSampleId :

TP-46

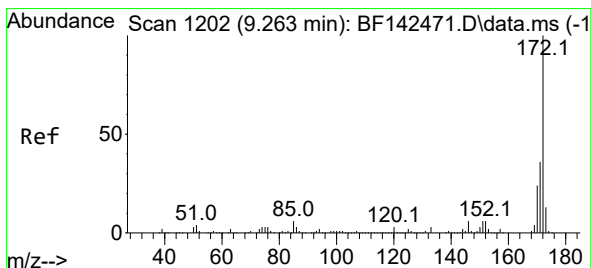
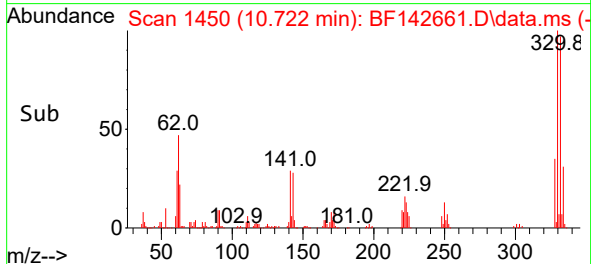
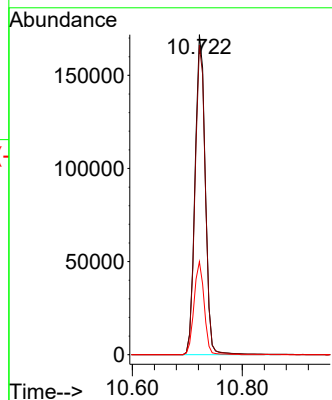
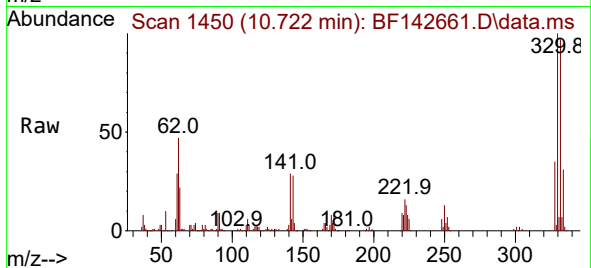
Tgt Ion:330 Resp: 222131

Ion Ratio Lower Upper

330 100

332 97.4 77.6 116.4

141 28.8 24.6 36.8



#45

2-Fluorobiphenyl

Concen: 55.702 ng

RT: 9.251 min Scan# 1200

Delta R.T. -0.017 min

Lab File: BF142661.D

Acq: 06 Jun 2025 22:31

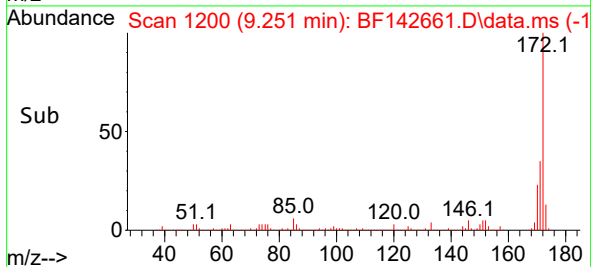
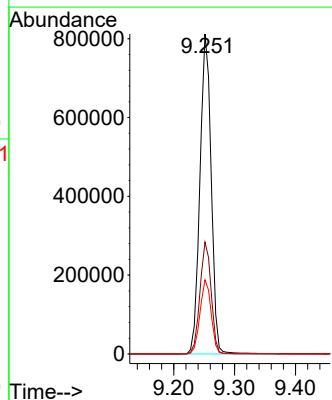
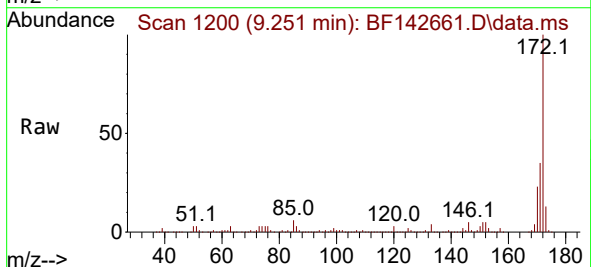
Tgt Ion:172 Resp: 1043333

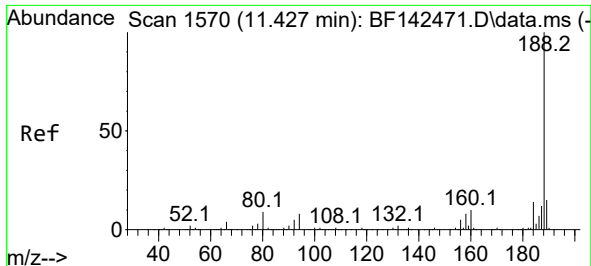
Ion Ratio Lower Upper

172 100

171 34.9 28.6 42.8

170 23.2 18.9 28.3

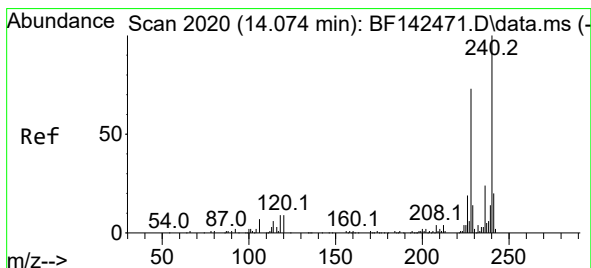
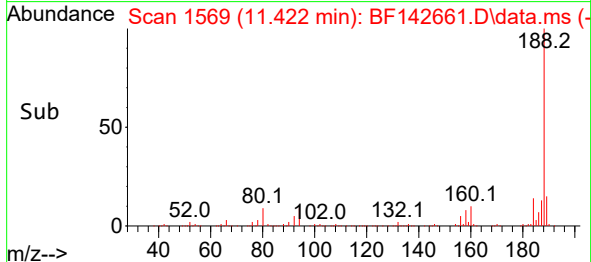
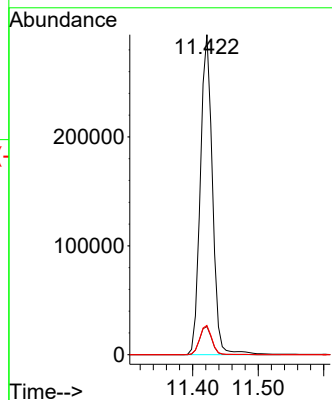
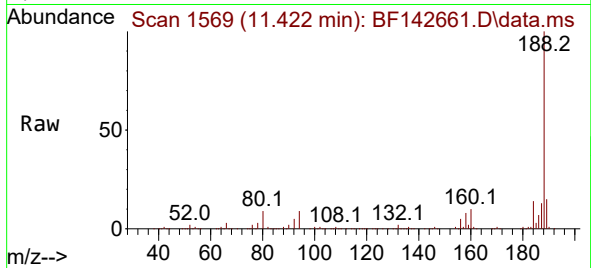




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142661.D
Acq: 06 Jun 2025 22:31

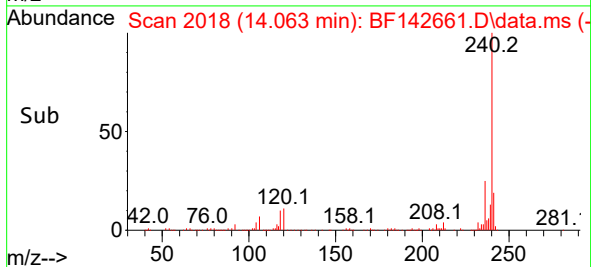
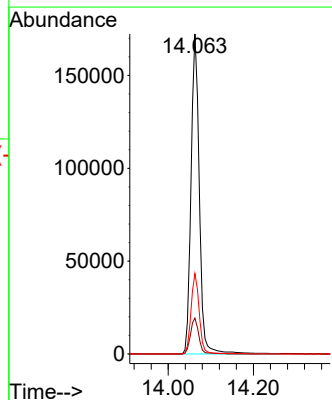
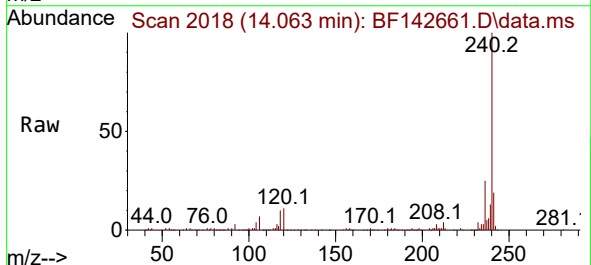
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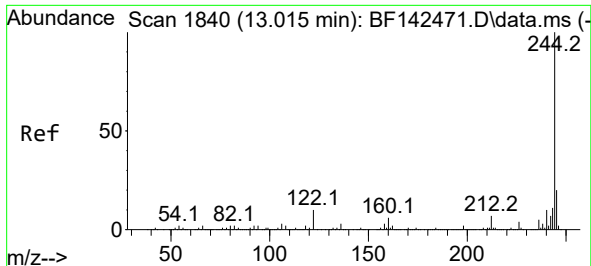
Tgt Ion:188 Resp: 378800
Ion Ratio Lower Upper
188 100
94 8.8 6.6 10.0
80 9.2 7.4 11.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142661.D
Acq: 06 Jun 2025 22:31

Tgt Ion:240 Resp: 233380
Ion Ratio Lower Upper
240 100
120 11.2 7.5 11.3
236 25.2 19.6 29.4

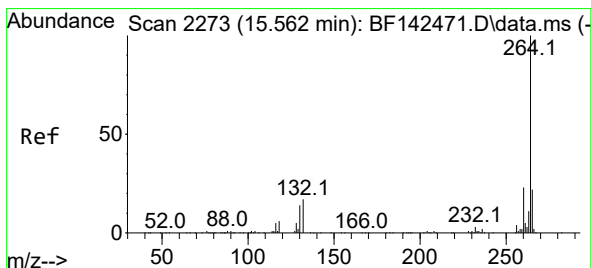
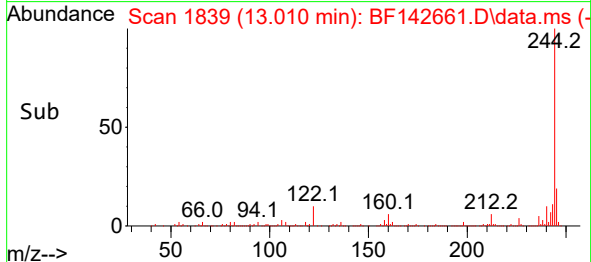
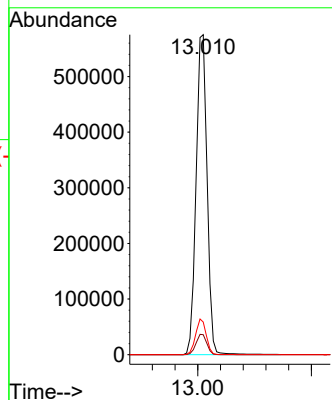
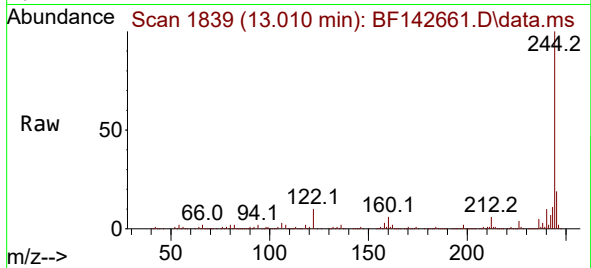




#79
Terphenyl-d14
Concen: 45.545 ng
RT: 13.010 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF142661.D
Acq: 06 Jun 2025 22:31

Instrument :
BNA_F
ClientSampleId :
TP-46

Tgt Ion:244 Resp: 777820
Ion Ratio Lower Upper
244 100
212 6.2 5.3 7.9
122 10.2 8.2 12.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2272
Delta R.T. -0.012 min
Lab File: BF142661.D
Acq: 06 Jun 2025 22:31

Tgt Ion:264 Resp: 269073
Ion Ratio Lower Upper
264 100
260 23.2 18.6 28.0
265 21.5 17.7 26.5

