

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032125\
 Data File : BF142037.D
 Acq On : 21 Mar 2025 18:49
 Operator : RC/JU
 Sample : Q1614-01 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-032025

Quant Time: Mar 21 23:00:00 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)

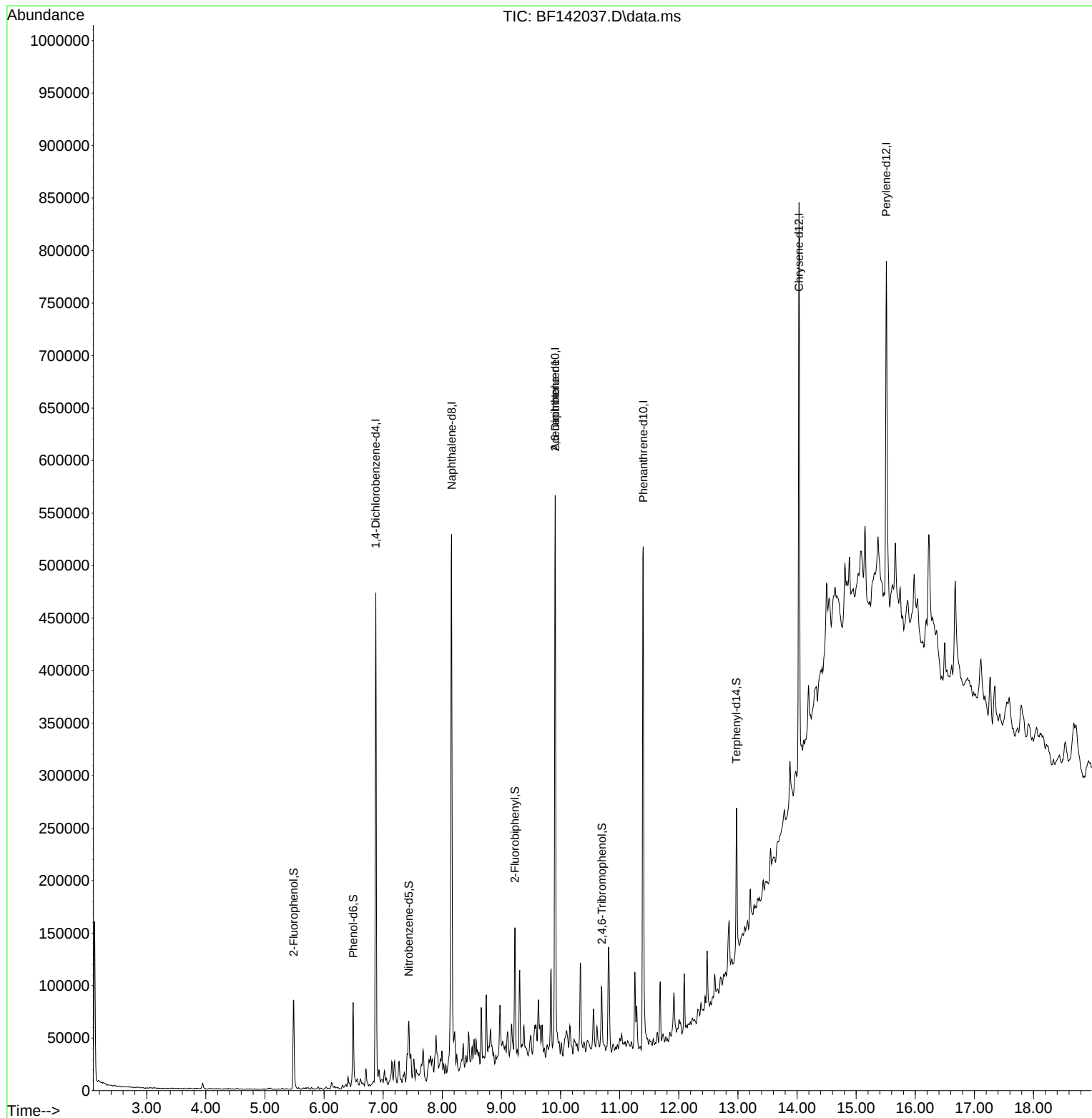
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	98631	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	335578	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	155118	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	261063	20.000	ng	0.00
76) Chrysene-d12	14.033	240	270281	20.000	ng	0.00
86) Perylene-d12	15.510	264	214403	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	39101	6.616	ng	0.00
7) Phenol-d6	6.493	99	45064	5.989	ng	-0.01
23) Nitrobenzene-d5	7.434	82	27809	4.664	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	11380	5.783	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	54662	5.359	ng	-0.01
79) Terphenyl-d14	12.974	244	70015	3.830	ng	-0.01
Target Compounds						
51) 2,6-Dinitrotoluene	9.910	165	21296	9.416	ng	Qvalue # 24

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

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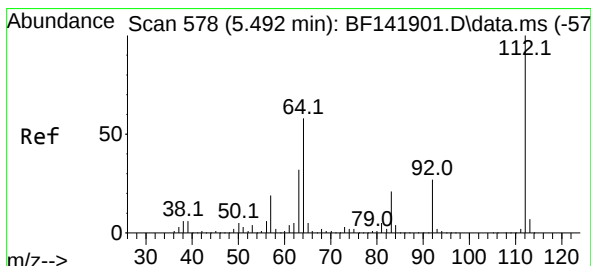
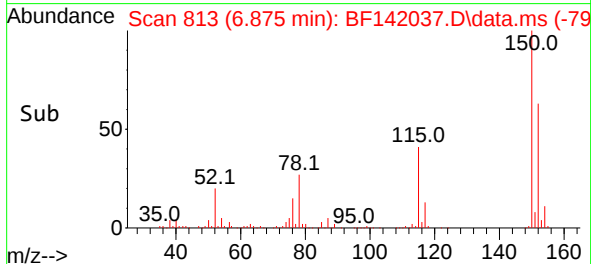
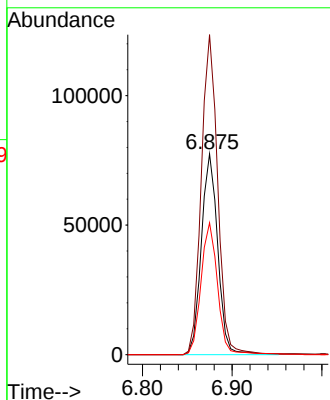
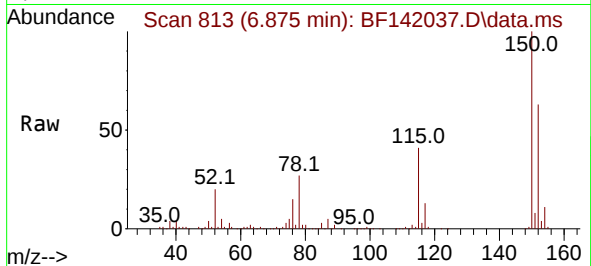




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF142037.D
Acq: 21 Mar 2025 18:49

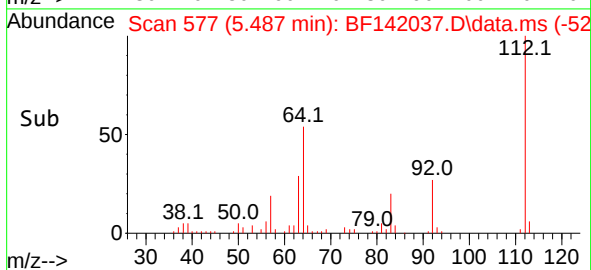
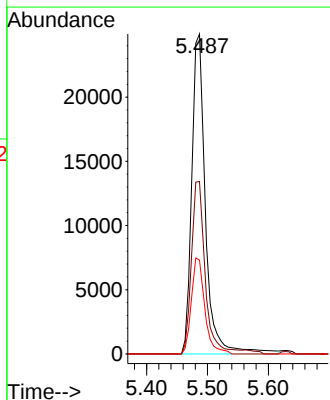
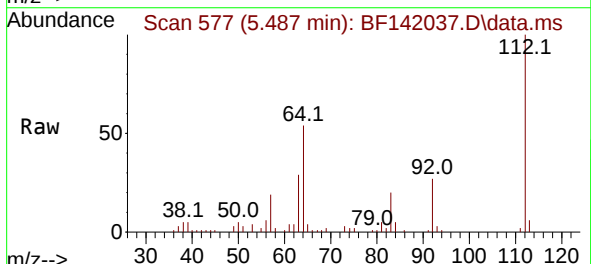
Instrument :
BNA_F
ClientSampleId :
TR-04-032025

Tgt Ion:152 Resp: 98631
Ion Ratio Lower Upper
152 100
150 159.4 127.4 191.2
115 65.6 51.9 77.9



#5
2-Fluorophenol
Concen: 6.616 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF142037.D
Acq: 21 Mar 2025 18:49

Tgt Ion:112 Resp: 39101
Ion Ratio Lower Upper
112 100
64 53.9 46.5 69.7
63 29.4 25.4 38.2

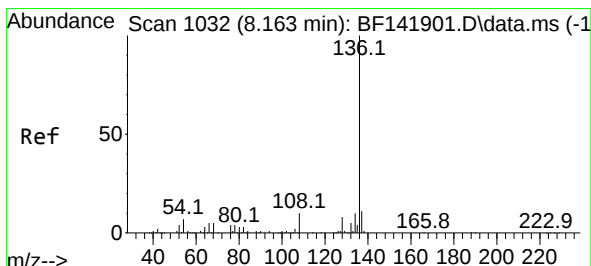
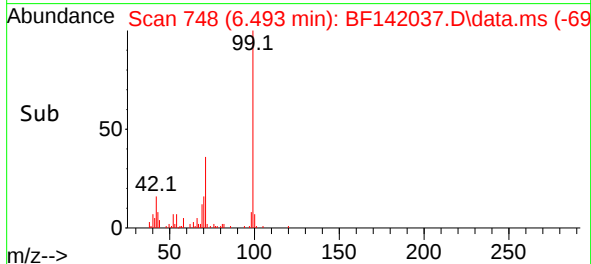
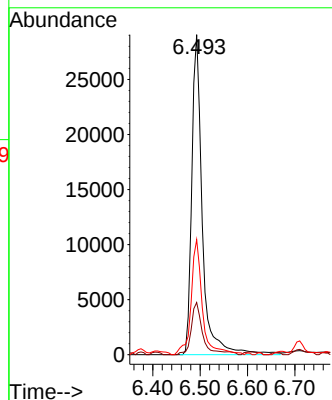
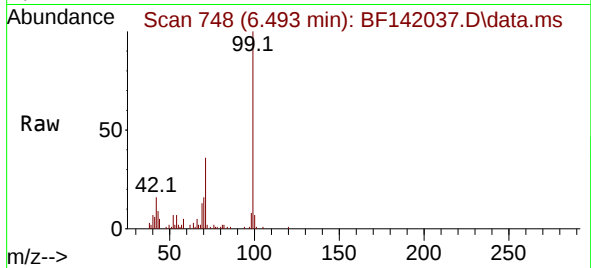




#7
Phenol-d6
Concen: 5.989 ng
RT: 6.493 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF142037.D
Acq: 21 Mar 2025 18:49

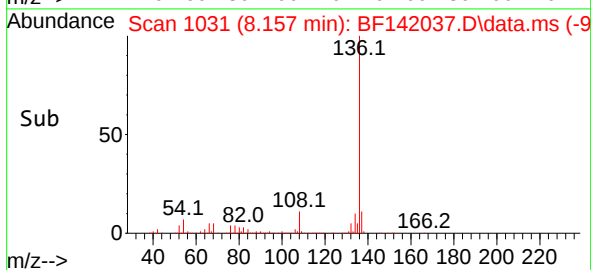
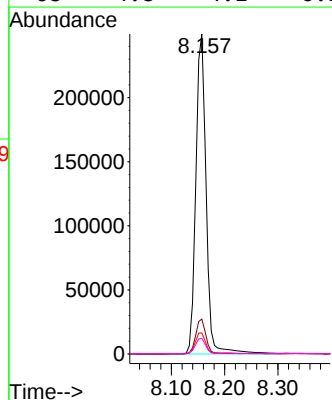
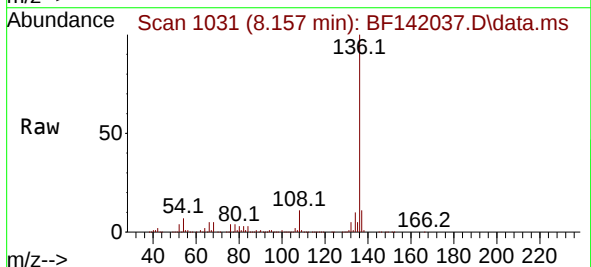
Instrument :
BNA_F
ClientSampleId :
TR-04-032025

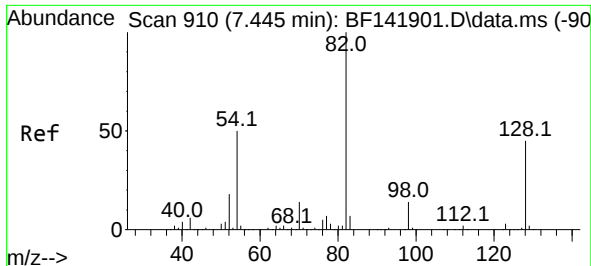
Tgt Ion: 99 Resp: 45064
Ion Ratio Lower Upper
99 100
42 16.3 14.6 21.8
71 36.0 30.8 46.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF142037.D
Acq: 21 Mar 2025 18:49

Tgt Ion: 136 Resp: 335578
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 6.6 5.8 8.8
68 4.8 4.1 6.1





#23

Nitrobenzene-d5

Concen: 4.664 ng

RT: 7.434 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF142037.D

Acq: 21 Mar 2025 18:49

Instrument :

BNA_F

ClientSampleId :

TR-04-032025

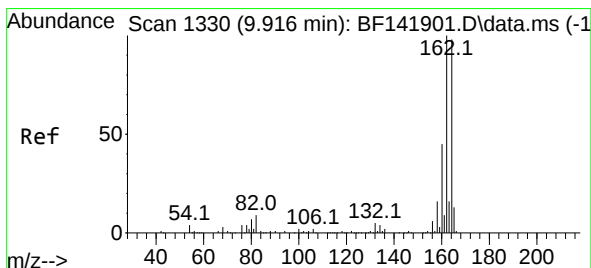
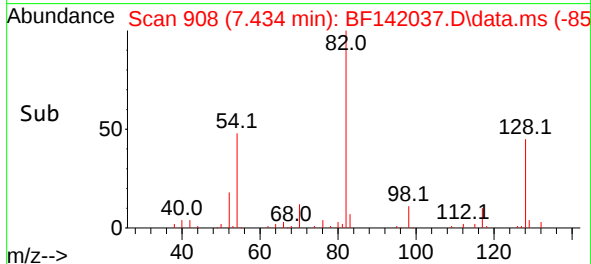
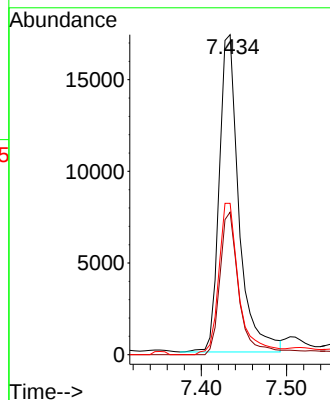
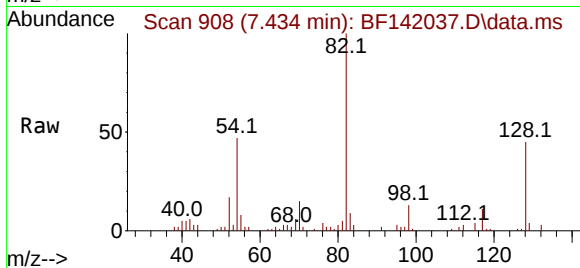
Tgt Ion: 82 Resp: 27809

Ion Ratio Lower Upper

82 100

128 44.5 36.0 54.0

54 47.3 39.6 59.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.006 min

Lab File: BF142037.D

Acq: 21 Mar 2025 18:49

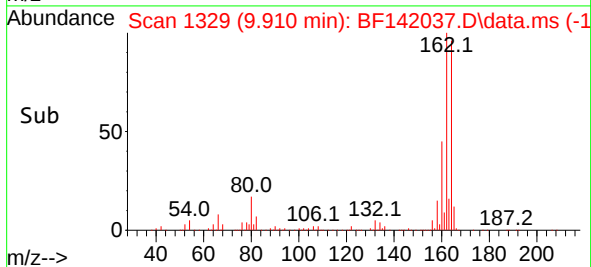
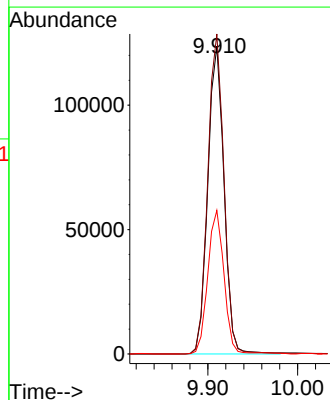
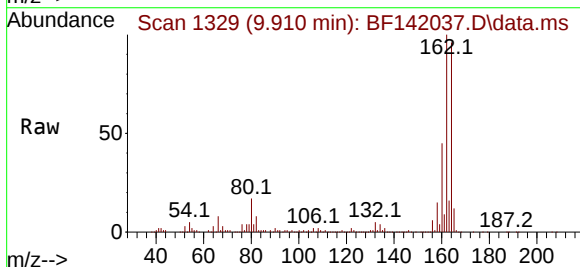
Tgt Ion:164 Resp: 155118

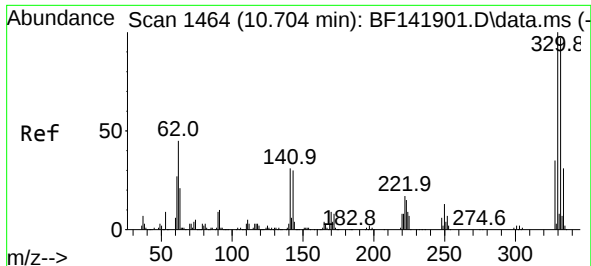
Ion Ratio Lower Upper

164 100

162 104.0 81.8 122.6

160 46.6 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 5.783 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF142037.D

Acq: 21 Mar 2025 18:49

Instrument :

BNA_F

ClientSampleId :

TR-04-032025

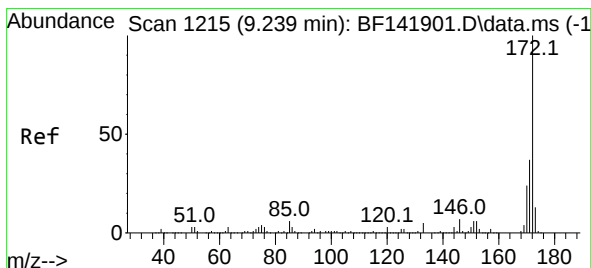
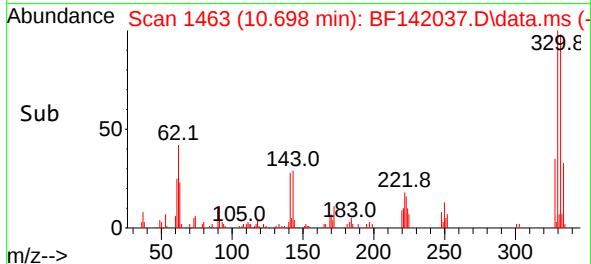
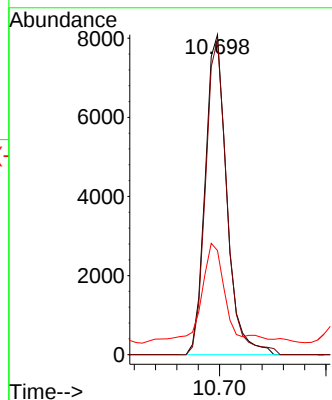
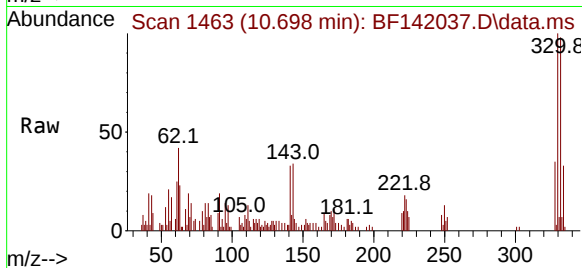
Tgt Ion:330 Resp: 11380

Ion Ratio Lower Upper

330 100

332 97.9 77.6 116.4

141 33.8 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 5.359 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.012 min

Lab File: BF142037.D

Acq: 21 Mar 2025 18:49

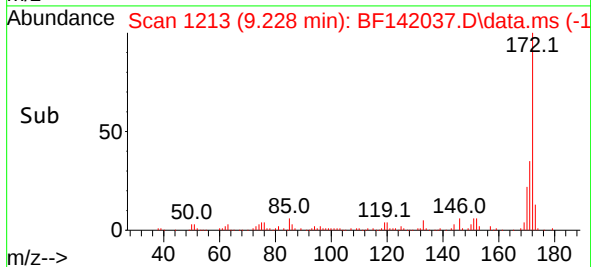
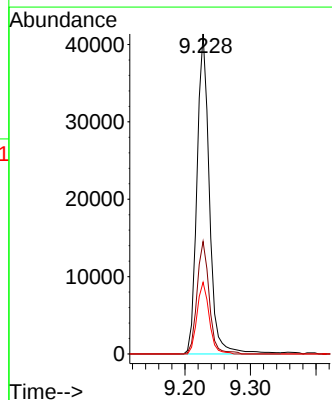
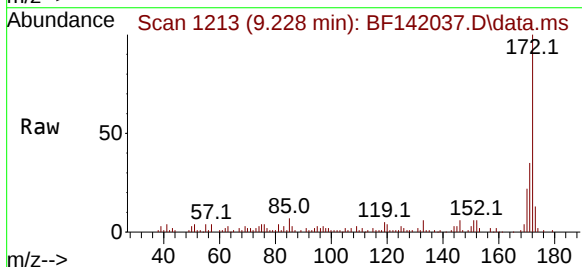
Tgt Ion:172 Resp: 54662

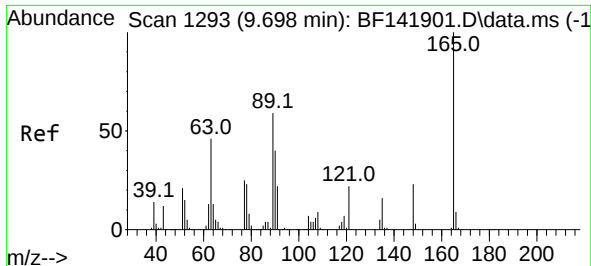
Ion Ratio Lower Upper

172 100

171 35.1 29.3 43.9

170 22.4 19.4 29.0

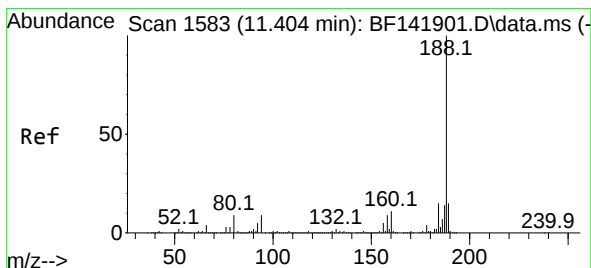
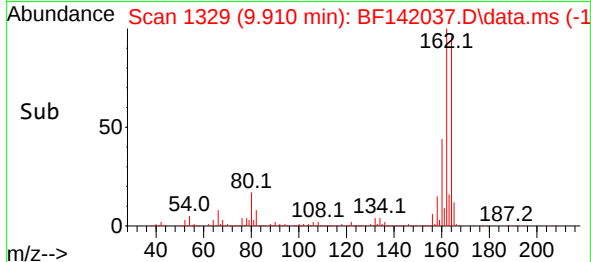
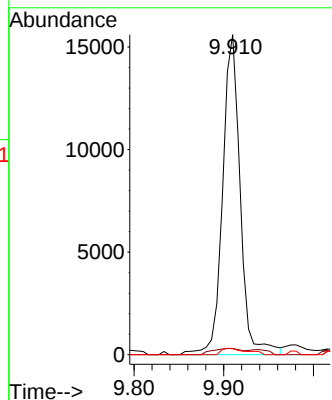
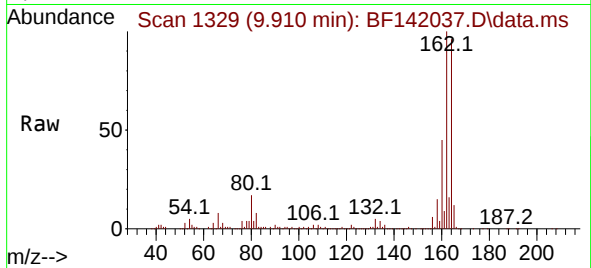




#51
2,6-Dinitrotoluene
Concen: 9.416 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF142037.D
Acq: 21 Mar 2025 18:49

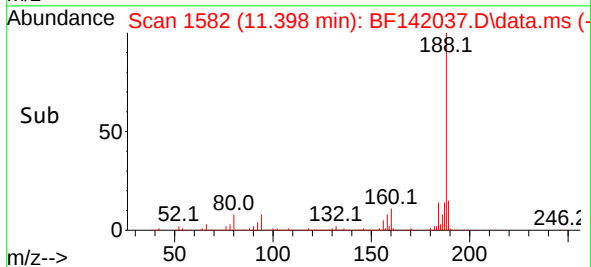
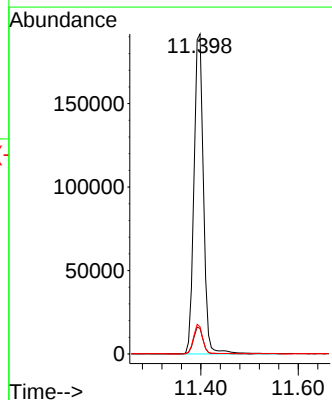
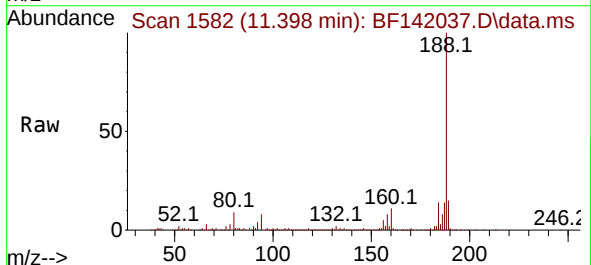
Instrument :
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TR-04-032025

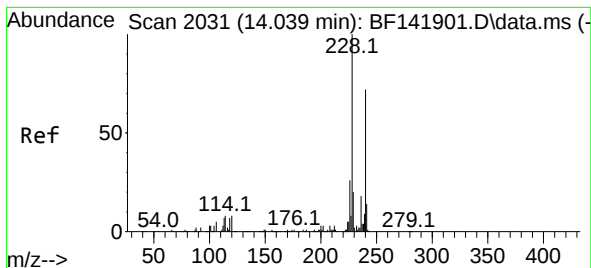
Tgt Ion:165 Resp: 21296
Ion Ratio Lower Upper
165 100
63 1.9 47.0 70.4#
89 1.9 47.4 71.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF142037.D
Acq: 21 Mar 2025 18:49

Tgt Ion:188 Resp: 261063
Ion Ratio Lower Upper
188 100
94 8.0 6.8 10.2
80 8.5 7.6 11.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF142037.D

Acq: 21 Mar 2025 18:49

Instrument :

BNA_F

ClientSampleId :

TR-04-032025

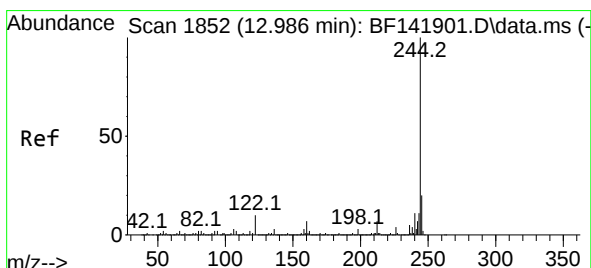
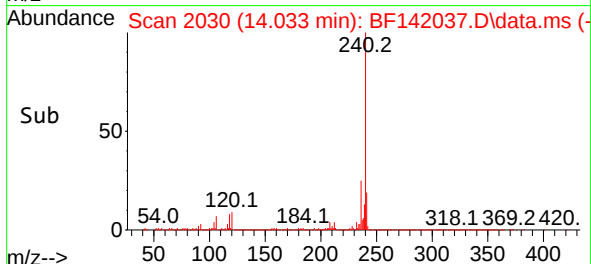
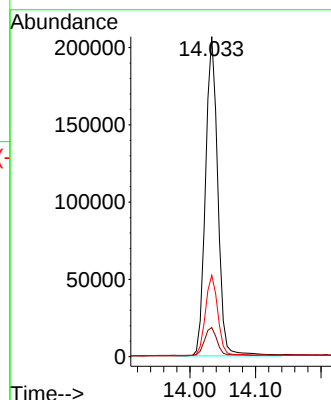
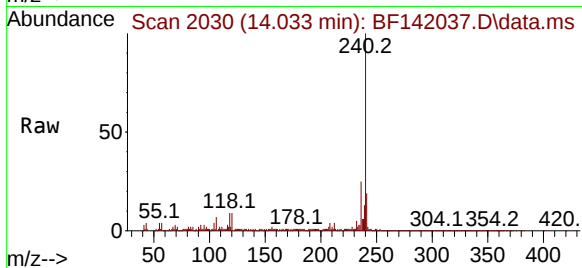
Tgt Ion:240 Resp: 270281

Ion Ratio Lower Upper

240 100

120 9.1 8.4 12.6

236 25.5 20.5 30.7



#79

Terphenyl-d14

Concen: 3.830 ng

RT: 12.974 min Scan# 1850

Delta R.T. -0.012 min

Lab File: BF142037.D

Acq: 21 Mar 2025 18:49

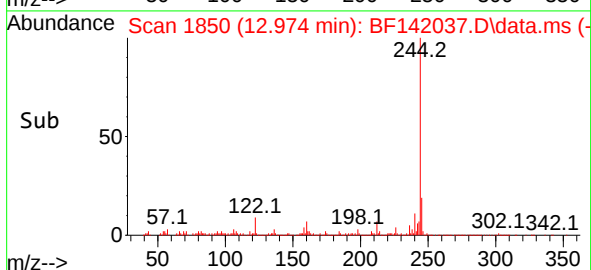
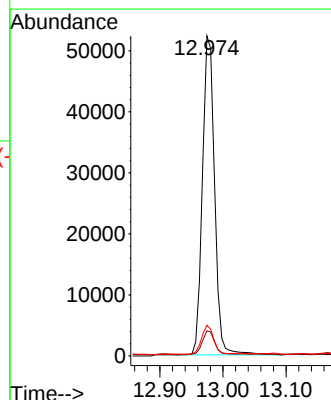
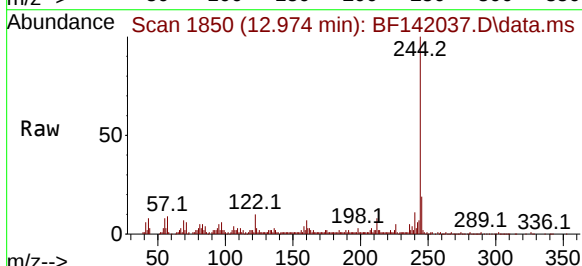
Tgt Ion:244 Resp: 70015

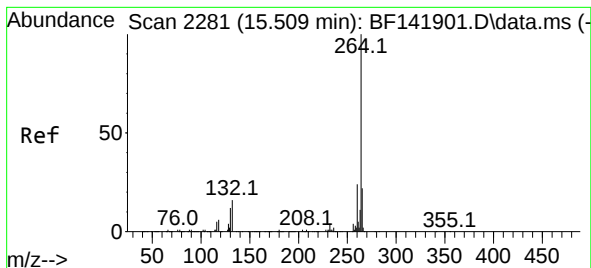
Ion Ratio Lower Upper

244 100

212 7.9 6.0 9.0

122 9.6 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: BF142037.D

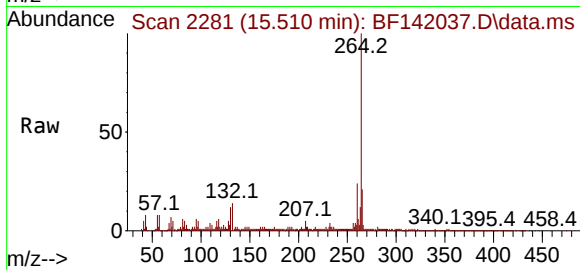
Acq: 21 Mar 2025 18:49

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:264 Resp: 214403

Ion Ratio Lower Upper

264 100

260 24.0 19.1 28.7

265 21.5 17.5 26.3

