

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142848.D
Acq On : 25 Jun 2025 20:38
Operator : RC/JU
Sample : Q2388-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-12

Quant Time: Jun 26 01:20:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	80653	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	310162	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	155294	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	202275	20.000	ng	0.00
76) Chrysene-d12	14.051	240	167103	20.000	ng	0.00
86) Perylene-d12	15.539	264	165571	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	556605	114.900	ng	0.02
7) Phenol-d6	6.510	99	605249	105.900	ng	0.00
23) Nitrobenzene-d5	7.439	82	444449	78.599	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	172541	107.968	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	932685	78.898	ng	0.00
79) Terphenyl-d14	12.992	244	588303	48.644	ng	0.00

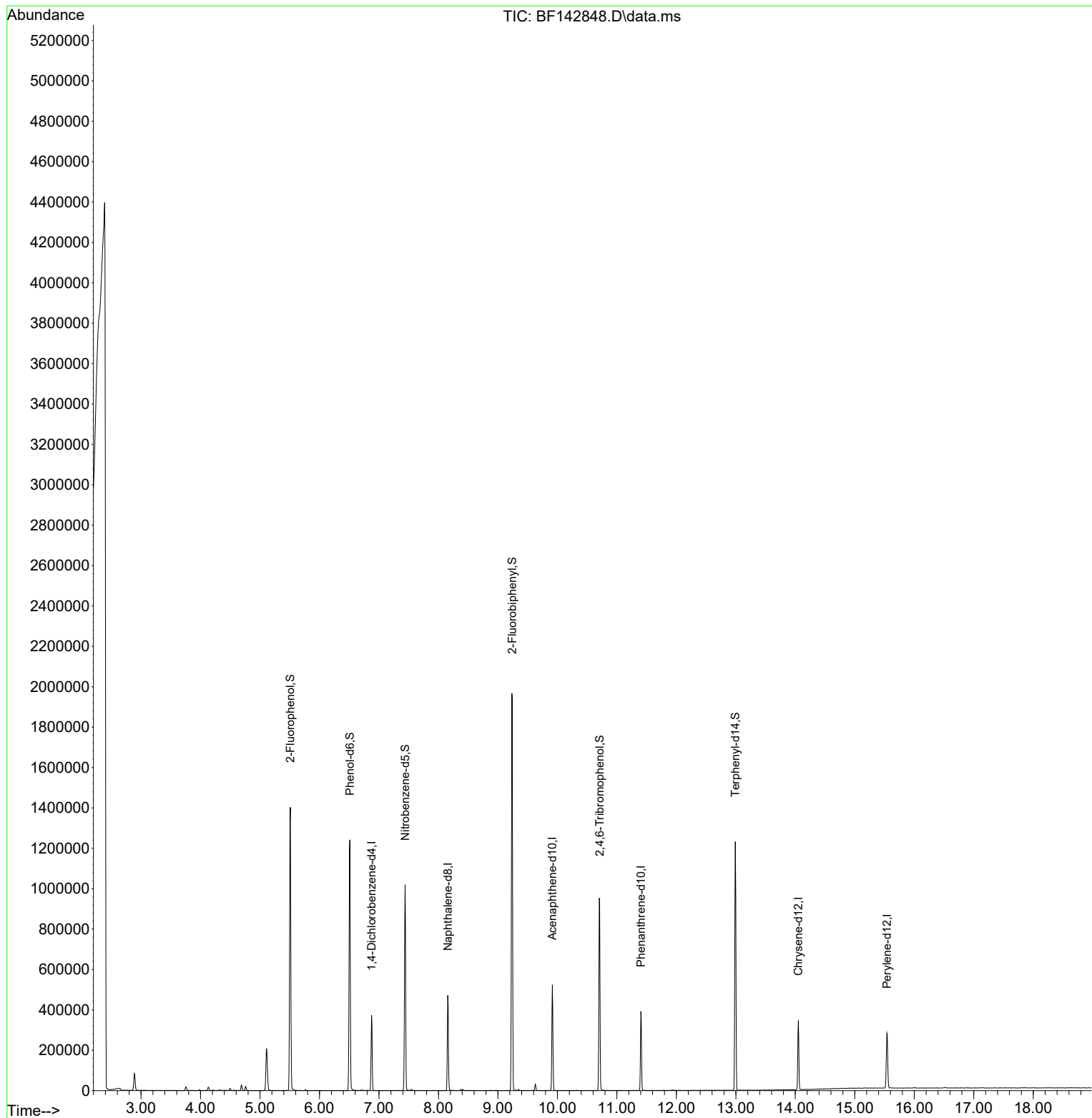
Target Compounds	Qvalue

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

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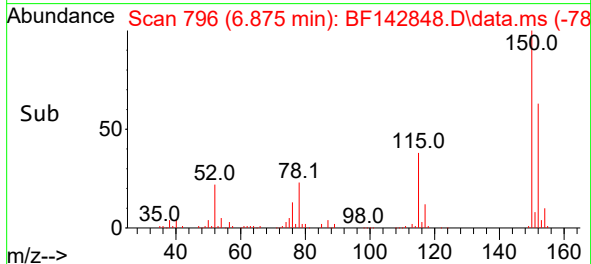
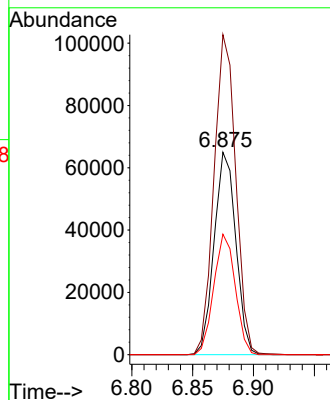
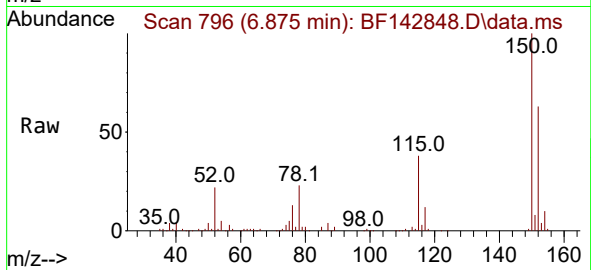




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF142848.D
Acq: 25 Jun 2025 20:38

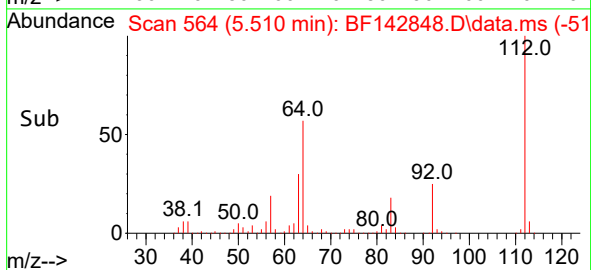
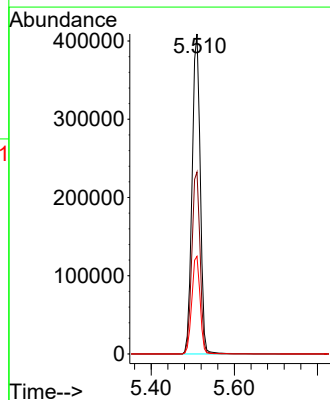
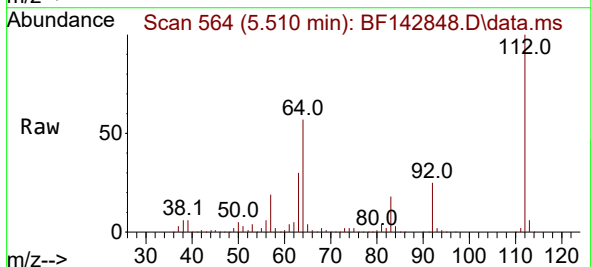
Instrument :
BNA_F
ClientSampleId :
TP-12

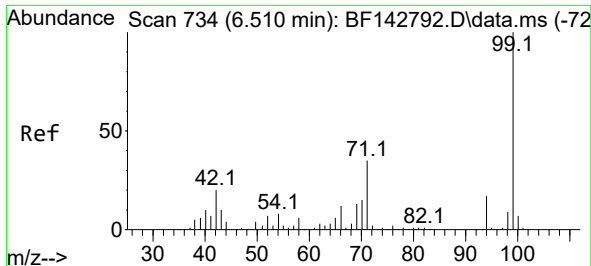
Tgt Ion:152 Resp: 80653
Ion Ratio Lower Upper
152 100
150 158.1 127.2 190.8
115 59.5 46.6 69.8



#5
2-Fluorophenol
Concen: 114.900 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.018 min
Lab File: BF142848.D
Acq: 25 Jun 2025 20:38

Tgt Ion:112 Resp: 556605
Ion Ratio Lower Upper
112 100
64 56.9 48.2 72.2
63 30.5 25.7 38.5

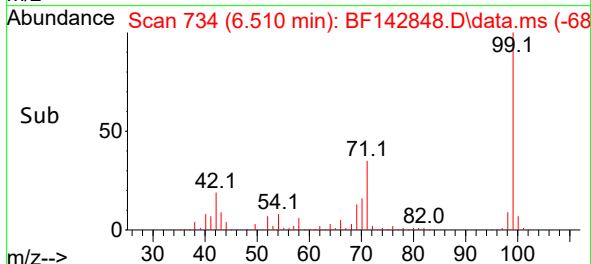
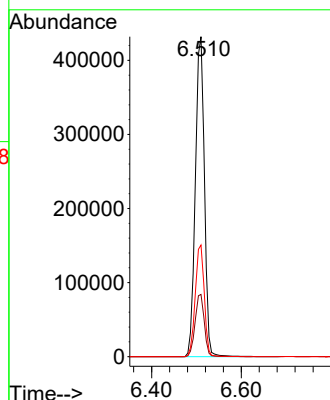
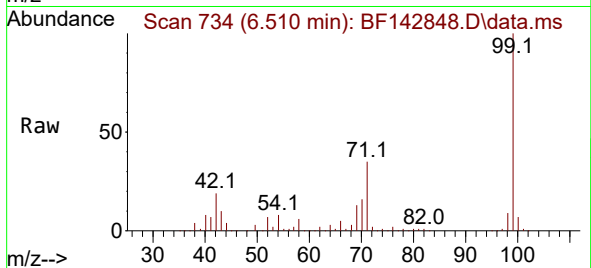




#7
Phenol-d6
Concen: 105.900 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF142848.D
Acq: 25 Jun 2025 20:38

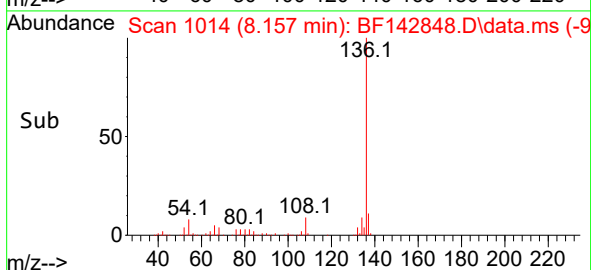
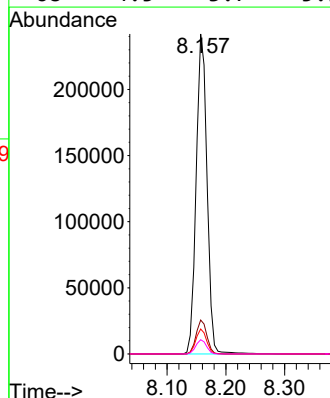
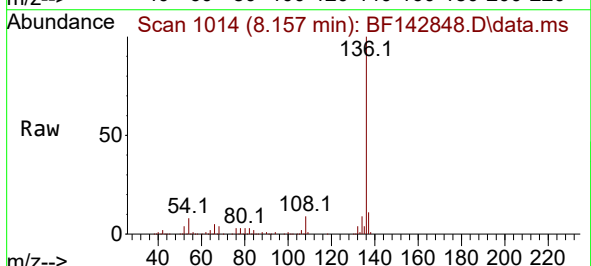
Instrument :
BNA_F
ClientSampleId :
TP-12

Tgt Ion: 99 Resp: 605249
Ion Ratio Lower Upper
99 100
42 19.5 15.9 23.9
71 34.9 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142848.D
Acq: 25 Jun 2025 20:38

Tgt Ion: 136 Resp: 310162
Ion Ratio Lower Upper
136 100
137 10.6 8.4 12.6
54 7.8 6.3 9.5
68 4.5 3.7 5.5





#23

Nitrobenzene-d5

Concen: 78.599 ng

RT: 7.439 min Scan# 89

Delta R.T. -0.006 min

Lab File: BF142848.D

Acq: 25 Jun 2025 20:38

Instrument :

BNA_F

ClientSampleId :

TP-12

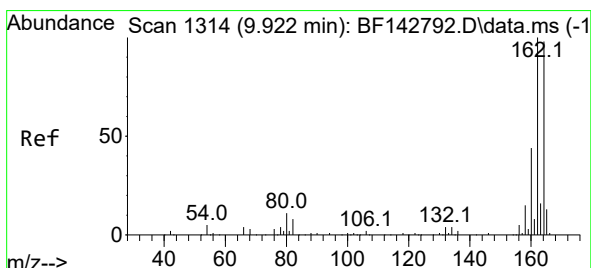
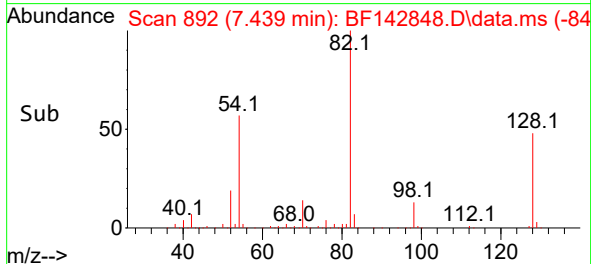
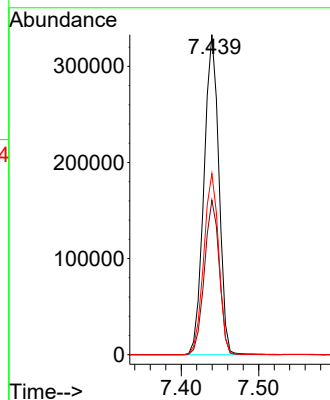
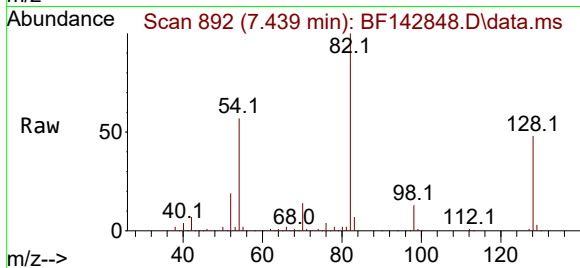
Tgt Ion: 82 Resp: 444449

Ion Ratio Lower Upper

82 100

128 48.3 37.7 56.5

54 56.6 45.7 68.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1313

Delta R.T. -0.006 min

Lab File: BF142848.D

Acq: 25 Jun 2025 20:38

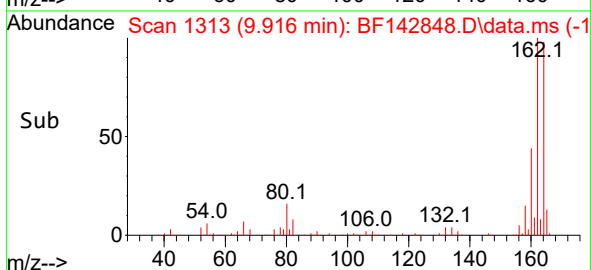
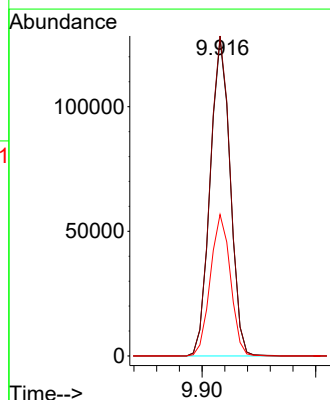
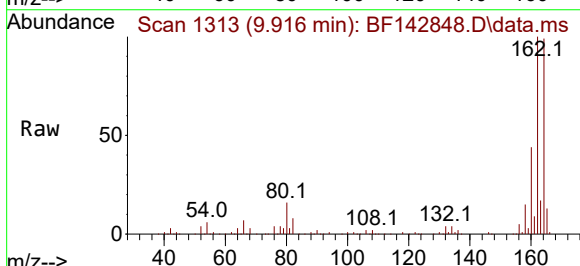
Tgt Ion:164 Resp: 155294

Ion Ratio Lower Upper

164 100

162 101.0 81.8 122.8

160 44.6 36.0 54.0

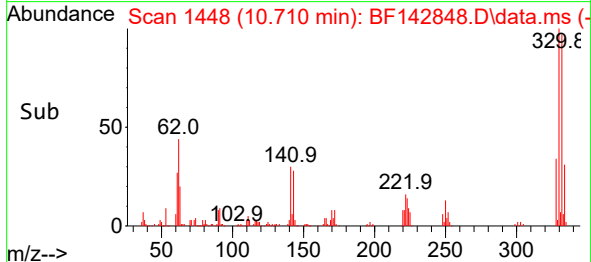
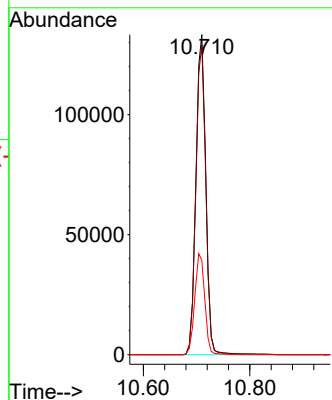
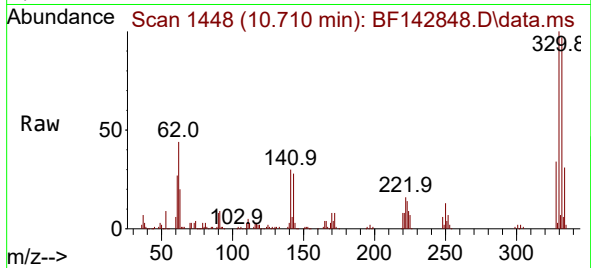




#42
2,4,6-Tribromophenol
Concen: 107.968 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF142848.D
Acq: 25 Jun 2025 20:38

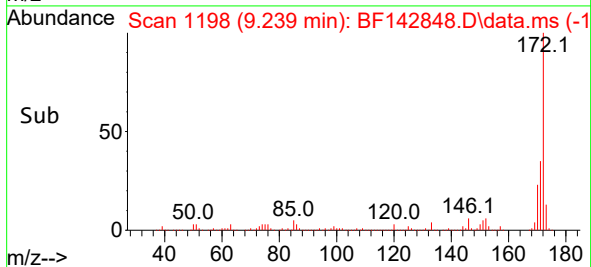
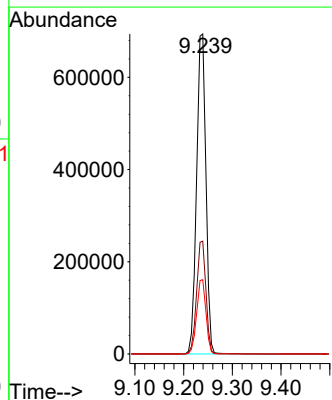
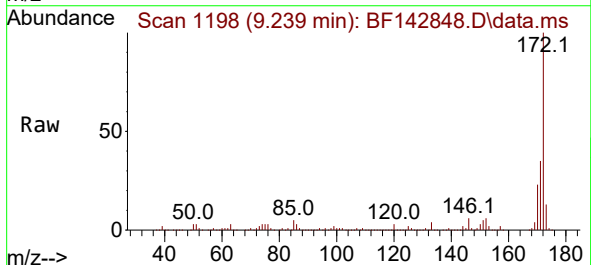
Instrument :
BNA_F
ClientSampleId :
TP-12

Tgt Ion:330 Resp: 172541
Ion Ratio Lower Upper
330 100
332 96.6 75.0 112.6
141 31.9 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 78.898 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF142848.D
Acq: 25 Jun 2025 20:38

Tgt Ion:172 Resp: 932685
Ion Ratio Lower Upper
172 100
171 35.3 28.2 42.4
170 23.2 18.5 27.7

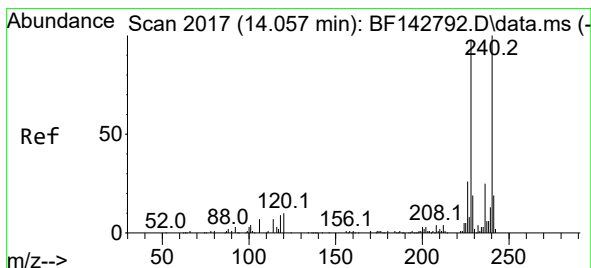
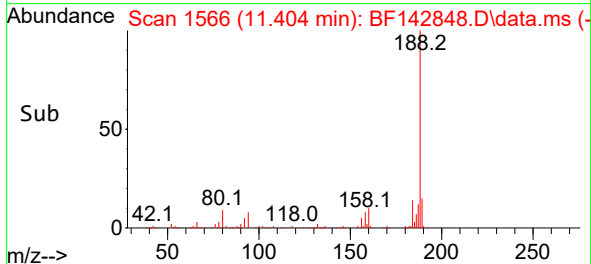
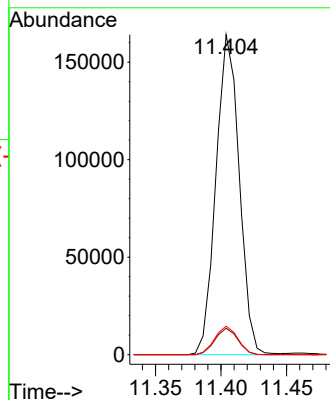
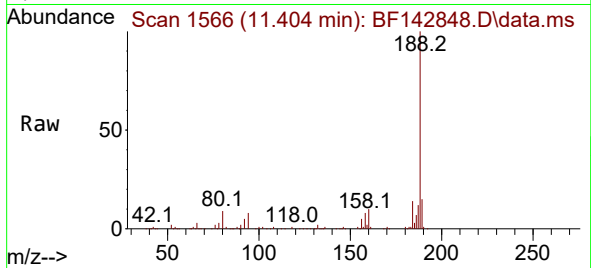




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142848.D
Acq: 25 Jun 2025 20:38

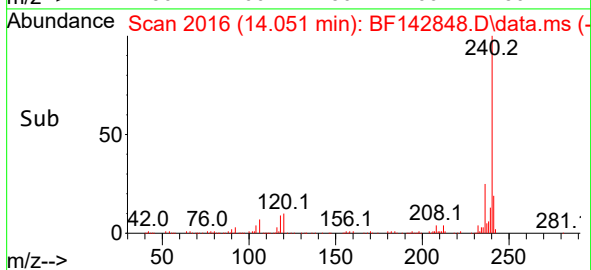
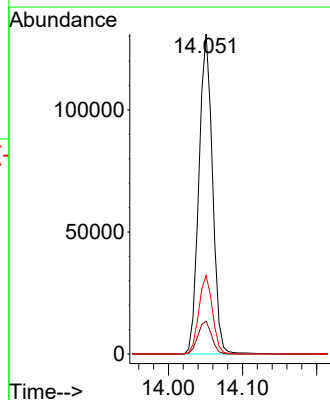
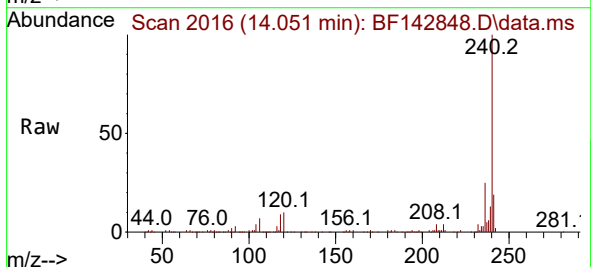
Instrument :
BNA_F
ClientSampleId :
TP-12

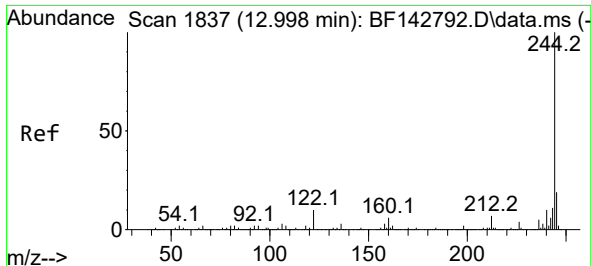
Tgt Ion:188 Resp: 202275
Ion Ratio Lower Upper
188 100
94 8.2 6.7 10.1
80 8.9 6.9 10.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142848.D
Acq: 25 Jun 2025 20:38

Tgt Ion:240 Resp: 167103
Ion Ratio Lower Upper
240 100
120 10.2 8.2 12.2
236 24.5 19.8 29.8

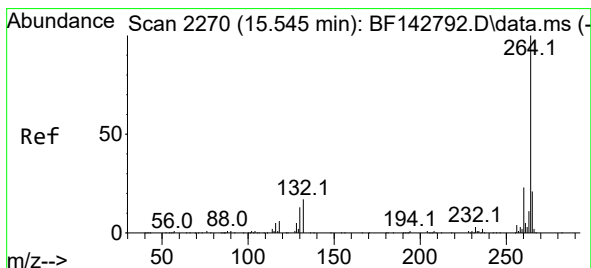
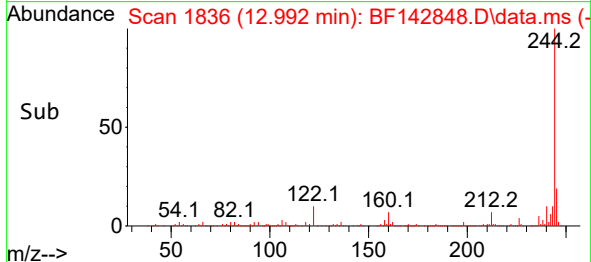
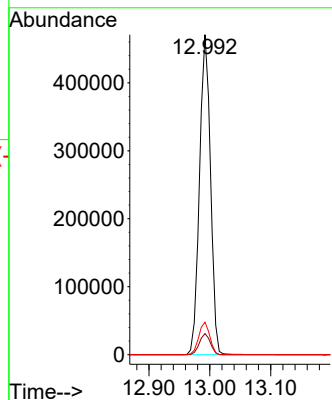
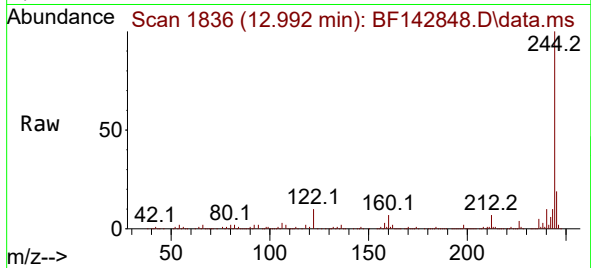




#79
 Terphenyl-d14
 Concen: 48.644 ng
 RT: 12.992 min Scan# 1836
 Delta R.T. -0.006 min
 Lab File: BF142848.D
 Acq: 25 Jun 2025 20:38

Instrument :
 BNA_F
 ClientSampleId :
 TP-12

Tgt Ion:244 Resp: 588303
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 10.1 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 2269
 Delta R.T. -0.006 min
 Lab File: BF142848.D
 Acq: 25 Jun 2025 20:38

Tgt Ion:264 Resp: 165571
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.1 27.1
 265 21.5 16.6 25.0

