

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052325\
 Data File : BF142536.D
 Acq On : 23 May 2025 15:37
 Operator : RC/JU
 Sample : Q2100-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-22

Quant Time: May 23 16:39:13 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	6.898	152	111473	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	430329	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	234472	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	390498	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	216372	20.000	ng	#-0.01
86) Perylene-d12	15.557	264	220082	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	476798	72.061	ng	0.00
7) Phenol-d6	6.516	99	586338	73.616	ng	-0.02
23) Nitrobenzene-d5	7.451	82	352889	44.716	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	180939	69.529	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	752874	43.086	ng	-0.02
79) Terphenyl-d14	13.010	244	677960	42.818	ng	0.00

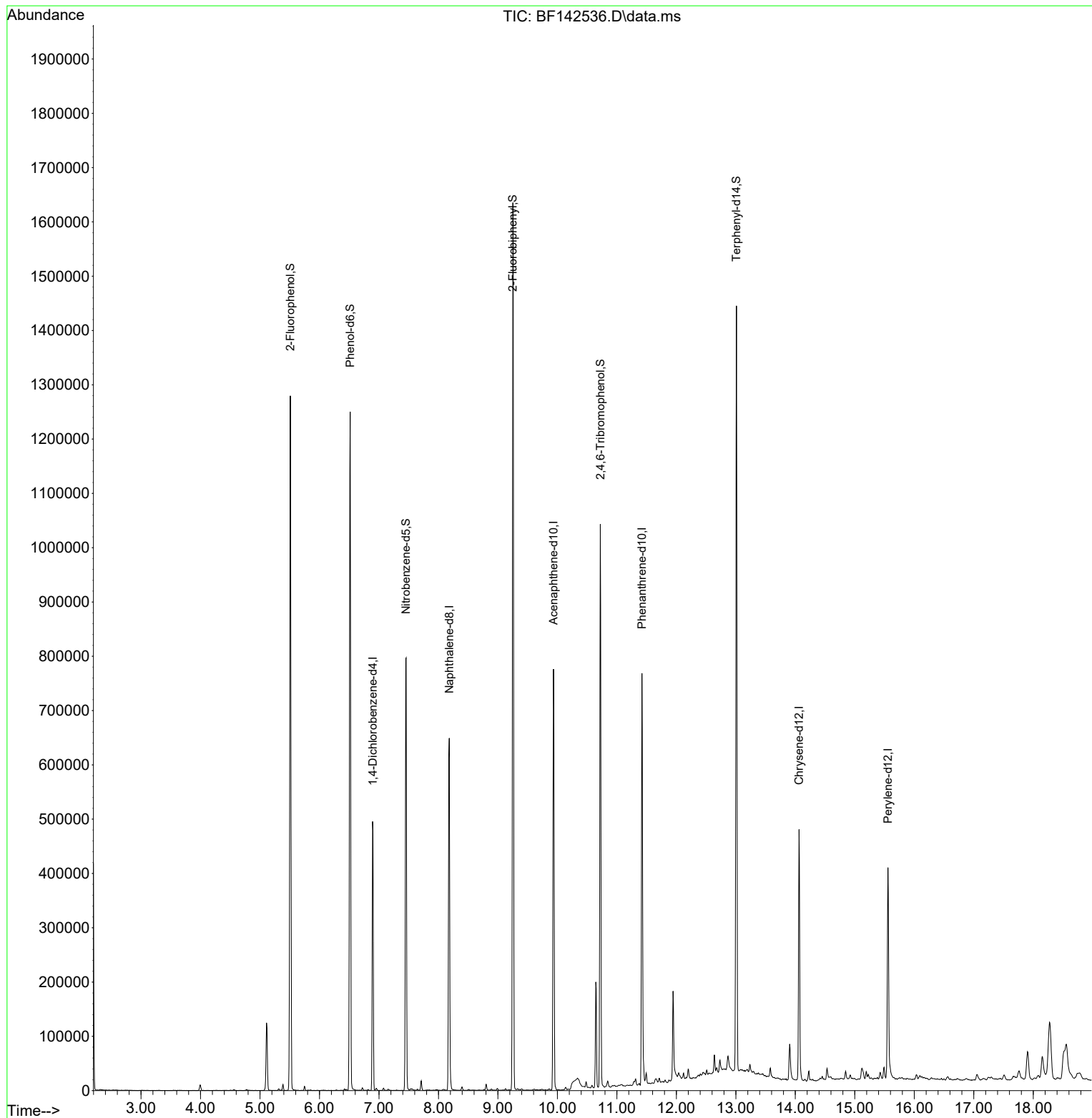
Target Compounds	Qvalue

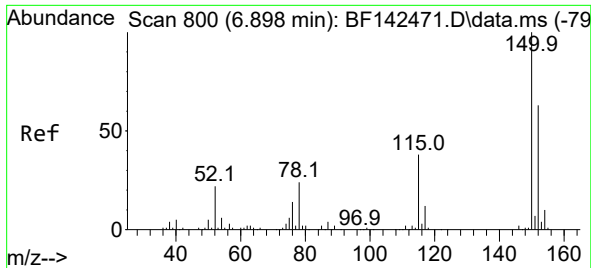
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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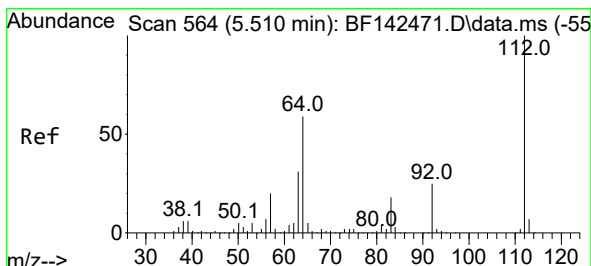
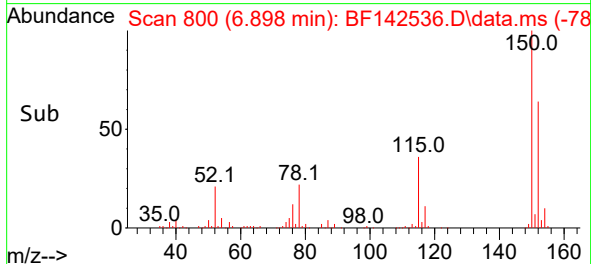
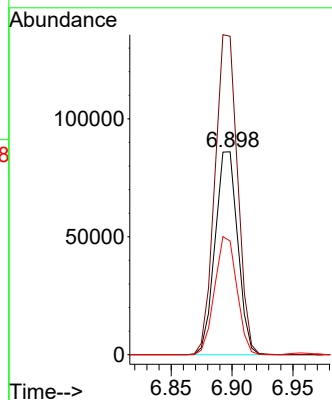
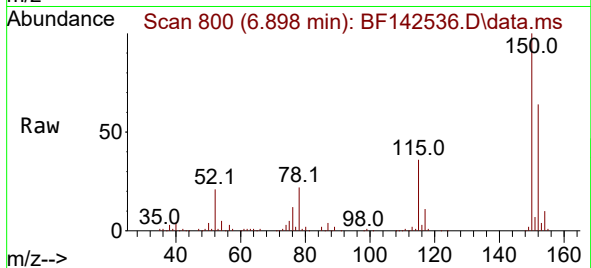




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.898 min Scan# 800
 Delta R.T. -0.006 min
 Lab File: BF142536.D
 Acq: 23 May 2025 15:37

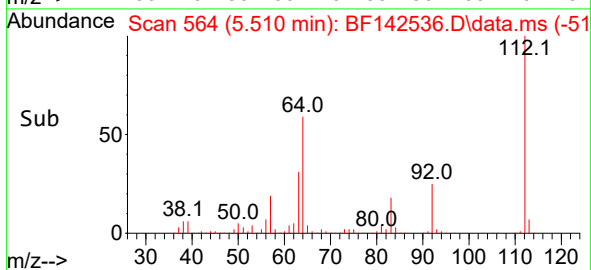
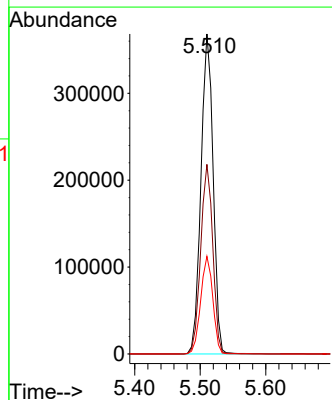
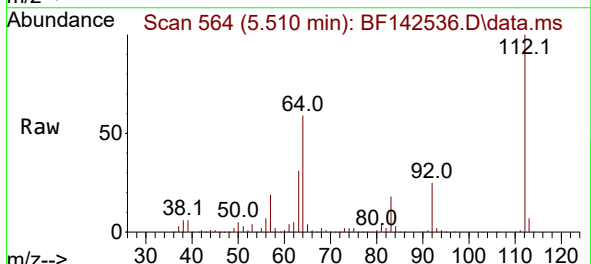
Instrument :
 BNA_F
 ClientSampleId :
 TP-22

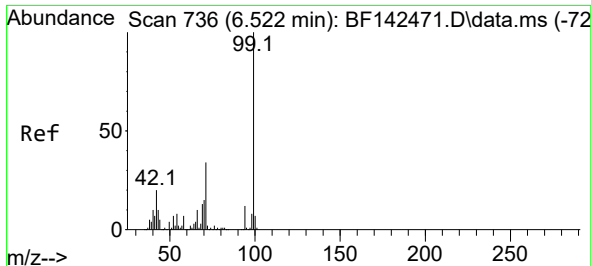
Tgt Ion:152 Resp: 111473
 Ion Ratio Lower Upper
 152 100
 150 157.0 128.2 192.4
 115 56.0 48.3 72.5



#5
 2-Fluorophenol
 Concen: 72.061 ng
 RT: 5.510 min Scan# 564
 Delta R.T. -0.006 min
 Lab File: BF142536.D
 Acq: 23 May 2025 15:37

Tgt Ion:112 Resp: 476798
 Ion Ratio Lower Upper
 112 100
 64 59.2 47.5 71.3
 63 30.5 24.9 37.3





#7

Phenol-d6

Concen: 73.616 ng

RT: 6.516 min Scan# 71

Delta R.T. -0.018 min

Lab File: BF142536.D

Acq: 23 May 2025 15:37

Instrument :

BNA_F

ClientSampleId :

TP-22

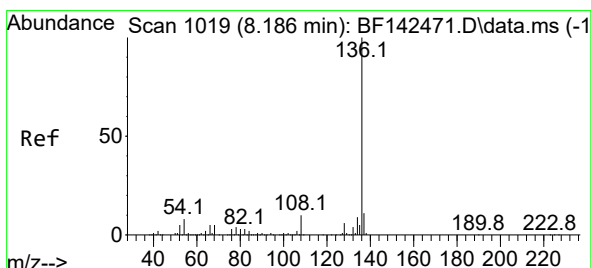
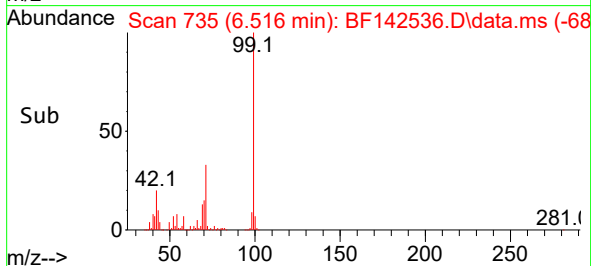
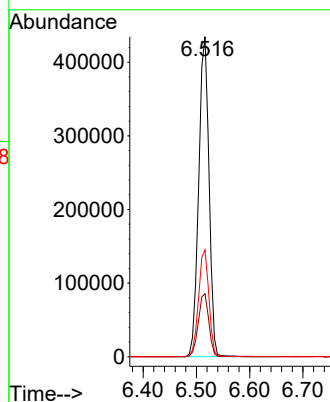
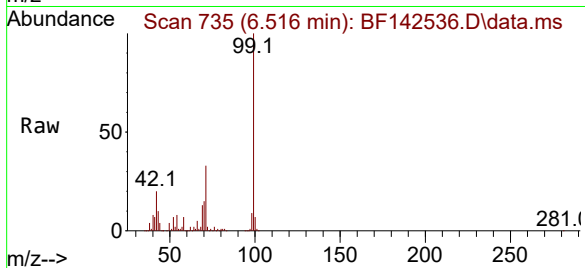
Tgt Ion: 99 Resp: 586338

Ion Ratio Lower Upper

99 100

42 19.7 16.2 24.2

71 33.4 27.3 40.9



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.181 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BF142536.D

Acq: 23 May 2025 15:37

Tgt Ion: 136 Resp: 430329

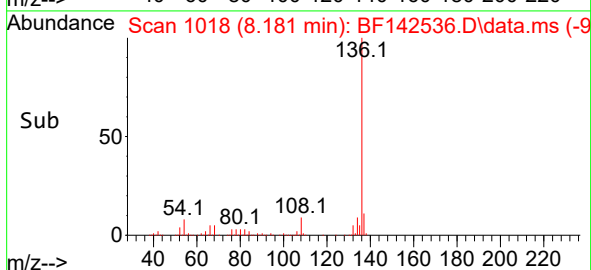
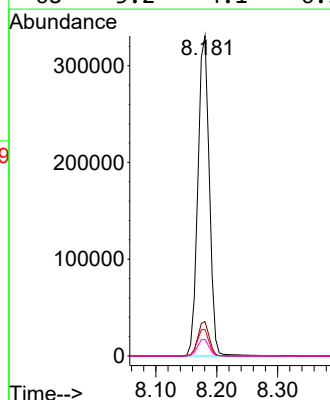
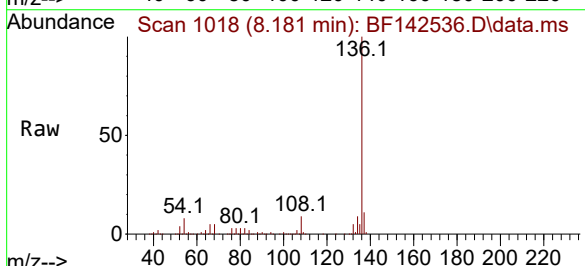
Ion Ratio Lower Upper

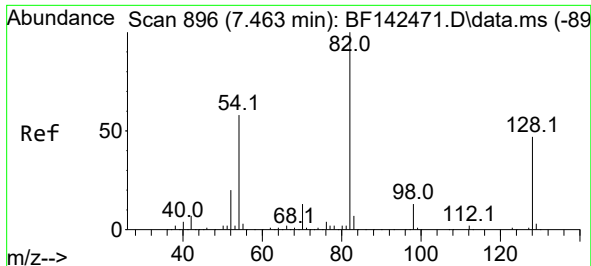
136 100

137 10.7 8.6 13.0

54 8.2 6.6 10.0

68 5.2 4.1 6.1





#23

Nitrobenzene-d5

Concen: 44.716 ng

RT: 7.451 min Scan# 89

Delta R.T. -0.023 min

Lab File: BF142536.D

Acq: 23 May 2025 15:37

Instrument :

BNA_F

ClientSampleId :

TP-22

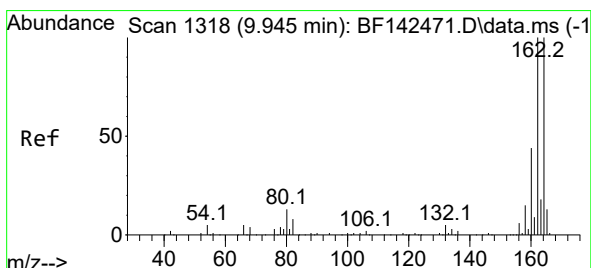
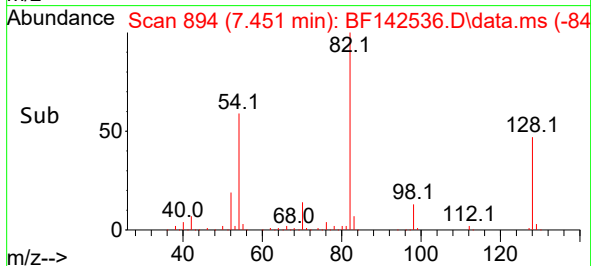
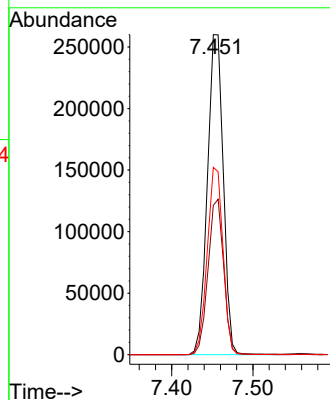
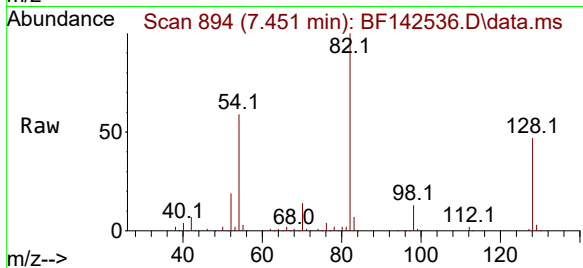
Tgt Ion: 82 Resp: 352889

Ion Ratio Lower Upper

82 100

128 46.6 37.4 56.2

54 58.6 46.6 70.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.933 min Scan# 1316

Delta R.T. -0.012 min

Lab File: BF142536.D

Acq: 23 May 2025 15:37

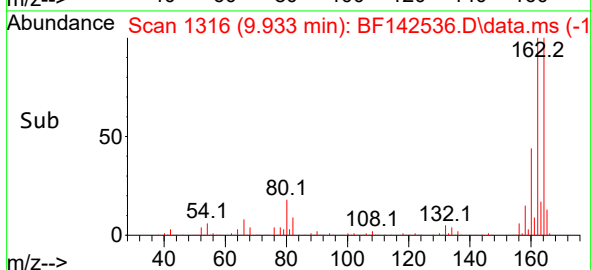
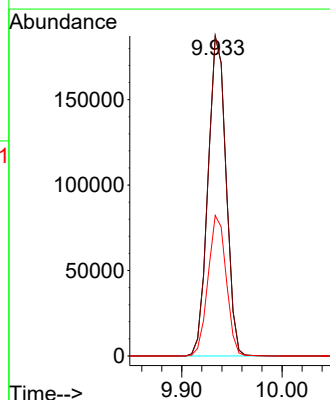
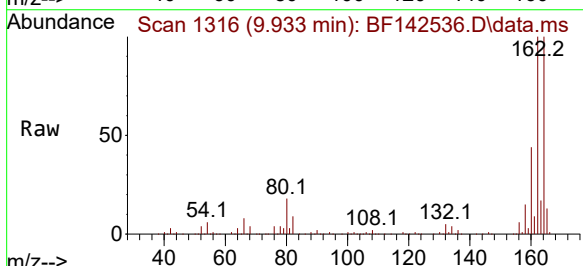
Tgt Ion:164 Resp: 234472

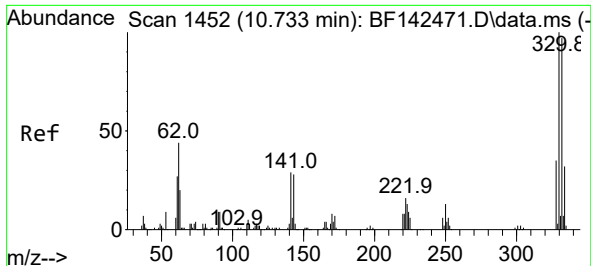
Ion Ratio Lower Upper

164 100

162 100.0 80.2 120.4

160 43.9 35.6 53.4

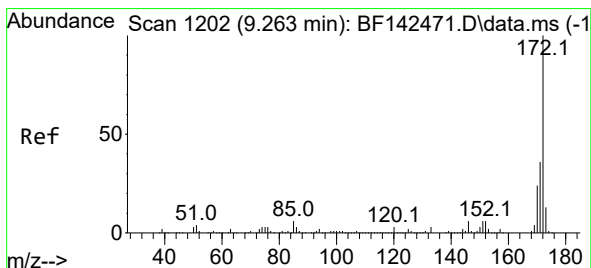
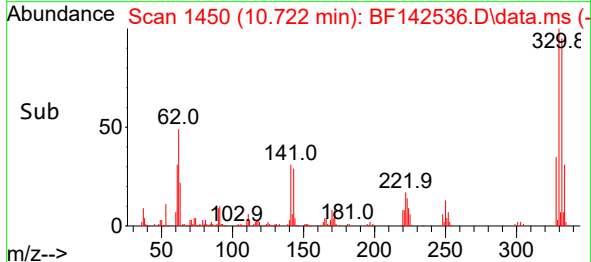
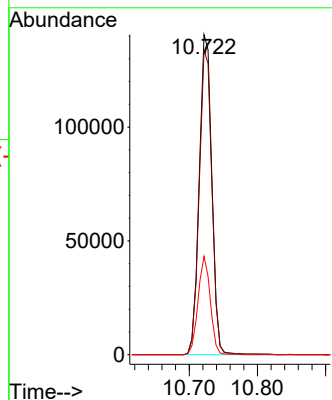
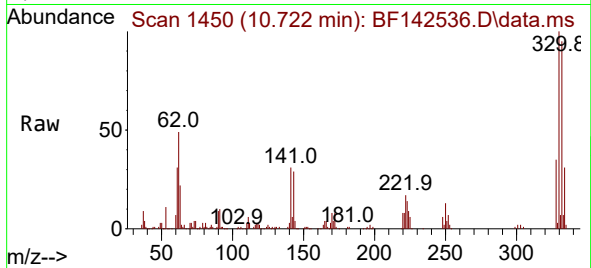




#42
2,4,6-Tribromophenol
Concen: 69.529 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.018 min
Lab File: BF142536.D
Acq: 23 May 2025 15:37

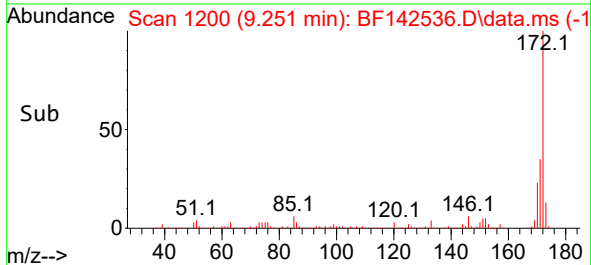
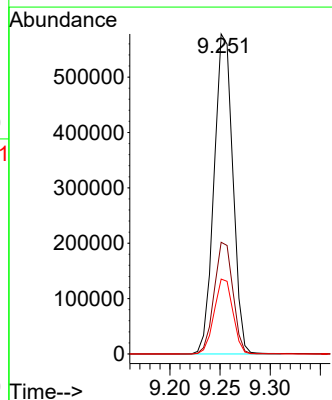
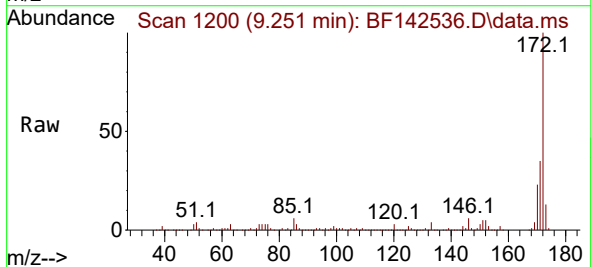
Instrument :
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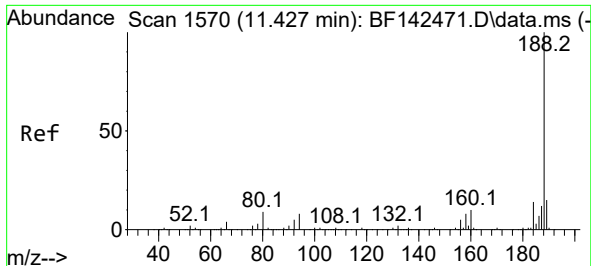
Tgt Ion:330 Resp: 180939
Ion Ratio Lower Upper
330 100
332 95.3 77.6 116.4
141 29.7 24.6 36.8



#45
2-Fluorobiphenyl
Concen: 43.086 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.018 min
Lab File: BF142536.D
Acq: 23 May 2025 15:37

Tgt Ion:172 Resp: 752874
Ion Ratio Lower Upper
172 100
171 34.9 28.6 42.8
170 23.4 18.9 28.3

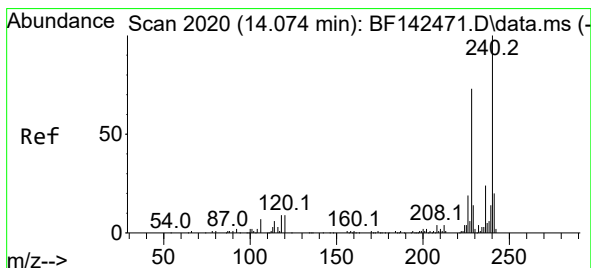
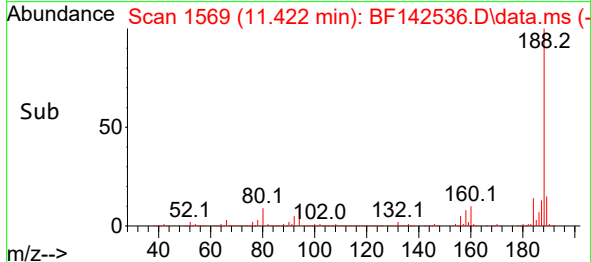
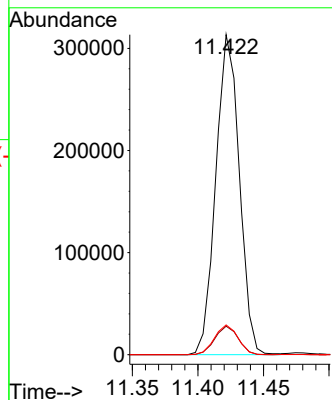
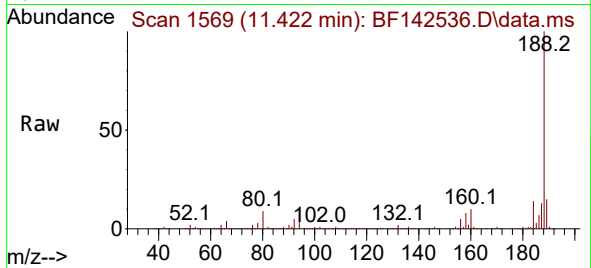




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142536.D
Acq: 23 May 2025 15:37

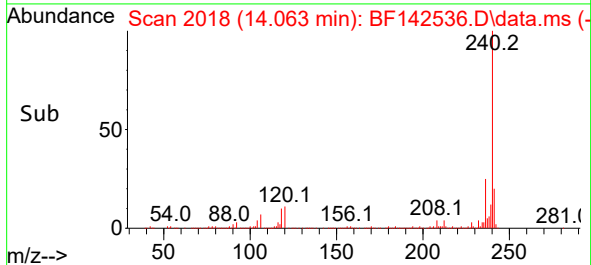
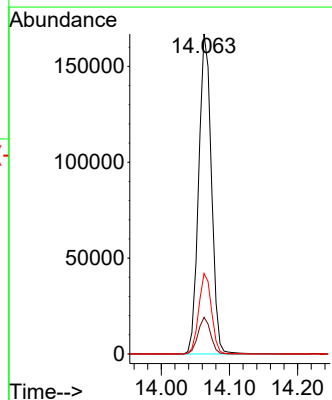
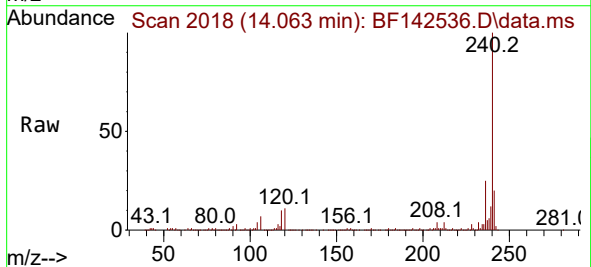
Instrument :
BNA_F
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TP-22

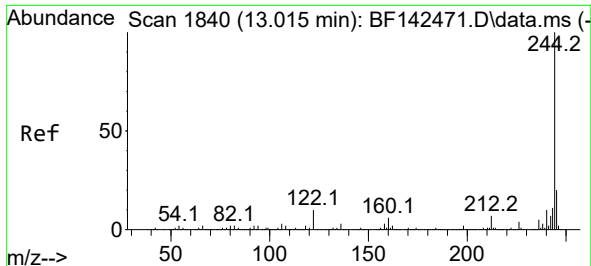
Tgt Ion:188 Resp: 390498
Ion Ratio Lower Upper
188 100
94 8.9 6.6 10.0
80 9.3 7.4 11.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142536.D
Acq: 23 May 2025 15:37

Tgt Ion:240 Resp: 216372
Ion Ratio Lower Upper
240 100
120 11.5 7.5 11.3#
236 25.1 19.6 29.4

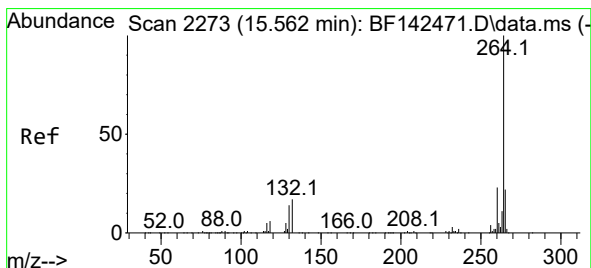
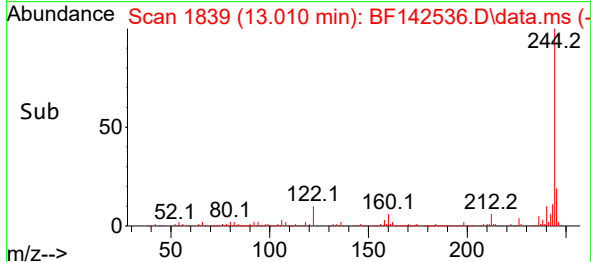
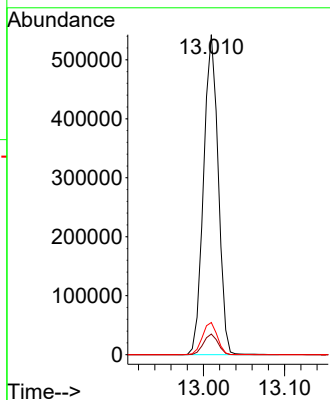
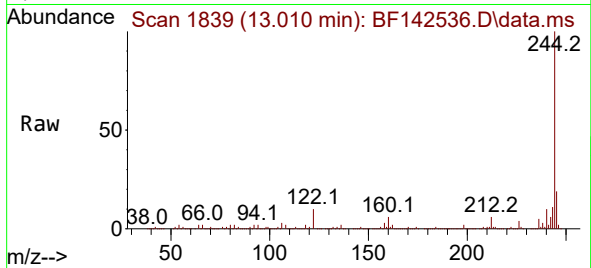




#79
 Terphenyl-d14
 Concen: 42.818 ng
 RT: 13.010 min Scan# 1839
 Delta R.T. -0.006 min
 Lab File: BF142536.D
 Acq: 23 May 2025 15:37

Instrument :
 BNA_F
 ClientSampleId :
 TP-22

Tgt Ion:244 Resp: 677960
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.3 7.9
 122 10.1 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: BF142536.D
 Acq: 23 May 2025 15:37

Tgt Ion:264 Resp: 220082
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.6 28.0
 265 21.3 17.7 26.5

