

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
 Data File : BF143023.D
 Acq On : 07 Jul 2025 22:22
 Operator : RC/JU
 Sample : Q2513-01 10X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-2-070325

Quant Time: Jul 08 01:00:16 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)

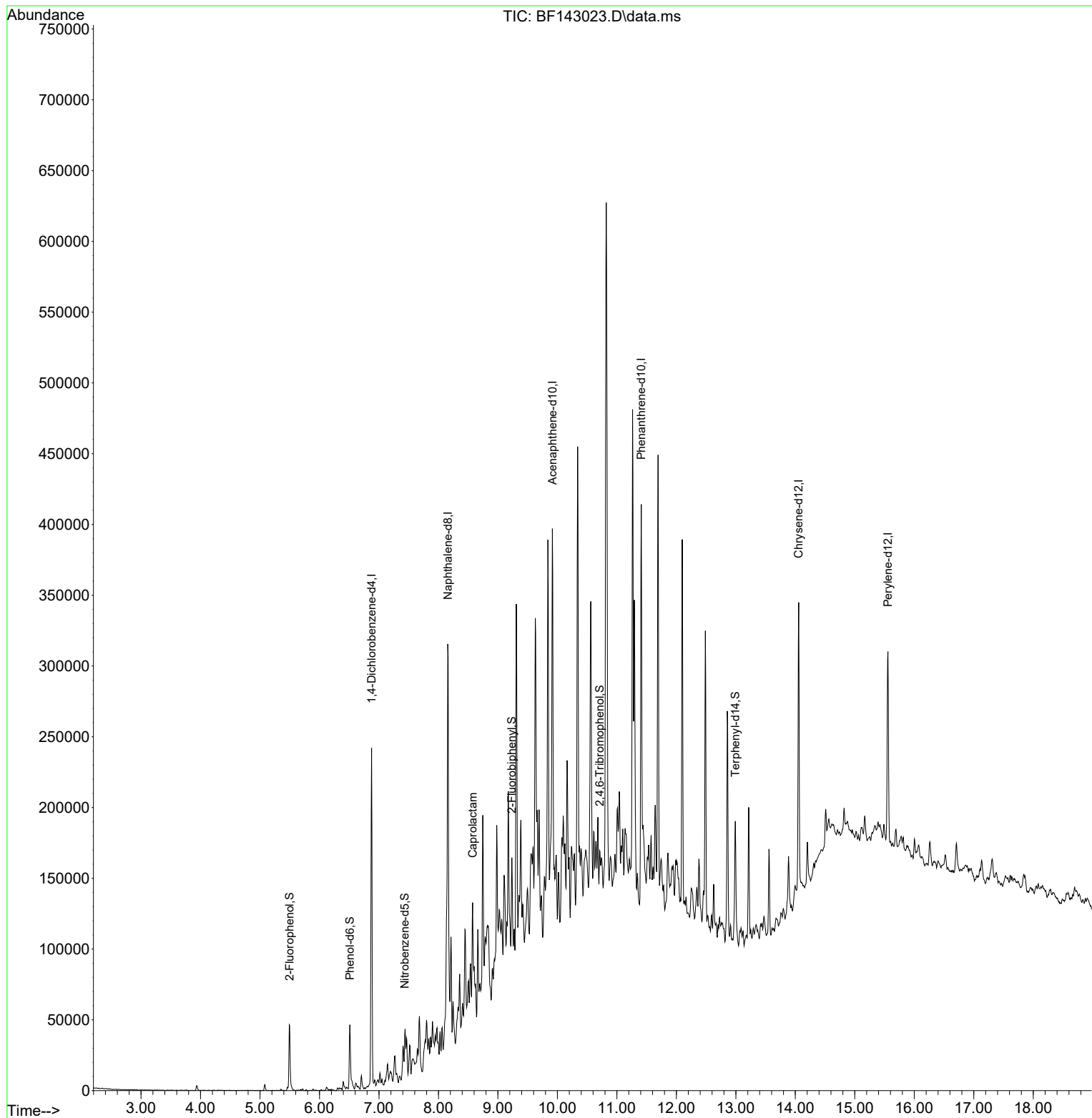
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	51281	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	173240	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	75961	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	132033	20.000	ng	0.00
76) Chrysene-d12	14.057	240	101384	20.000	ng	0.00
86) Perylene-d12	15.557	264	73874	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	21959	7.129	ng	0.00
7) Phenol-d6	6.510	99	24790	6.822	ng	0.00
23) Nitrobenzene-d5	7.434	82	13256	4.197	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	5215	6.671	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	29751	5.145	ng	-0.01
79) Terphenyl-d14	12.992	244	33639	4.584	ng	0.00
Target Compounds						
35) Caprolactam	8.575	113	2780	4.308	ng	Qvalue # 1

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

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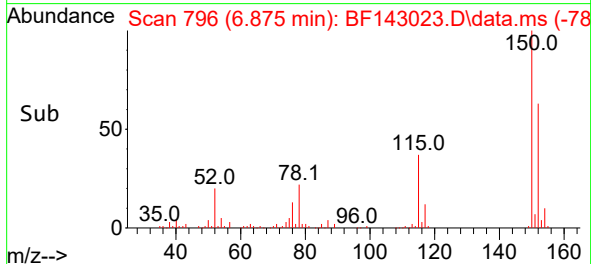
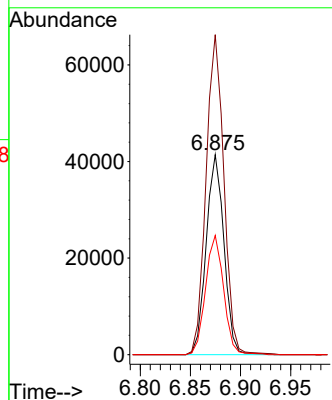
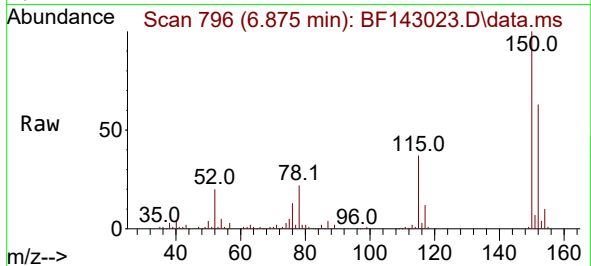




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF143023.D
Acq: 07 Jul 2025 22:22

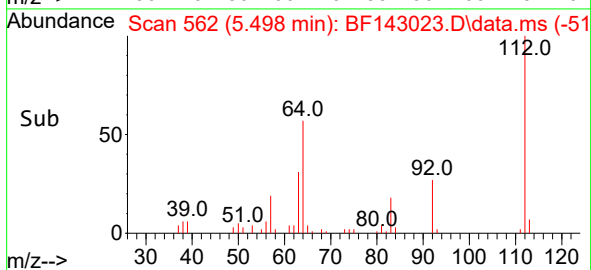
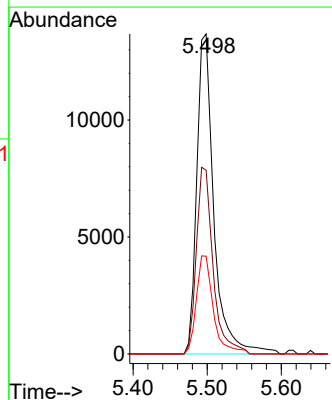
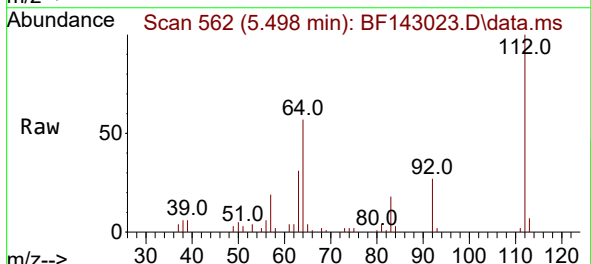
Instrument :
BNA_F
ClientSampleId :
HR-2-070325

Tgt Ion:152 Resp: 51281
Ion Ratio Lower Upper
152 100
150 159.9 127.2 190.8
115 59.5 46.6 69.8



#5
2-Fluorophenol
Concen: 7.129 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF143023.D
Acq: 07 Jul 2025 22:22

Tgt Ion:112 Resp: 21959
Ion Ratio Lower Upper
112 100
64 57.4 48.2 72.2
63 30.5 25.7 38.5

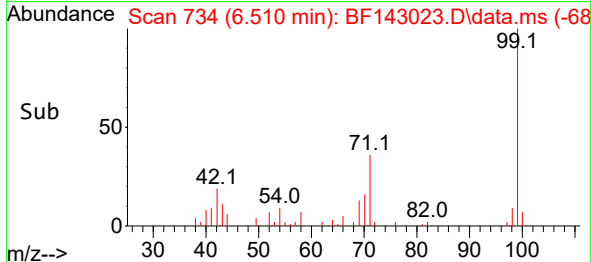
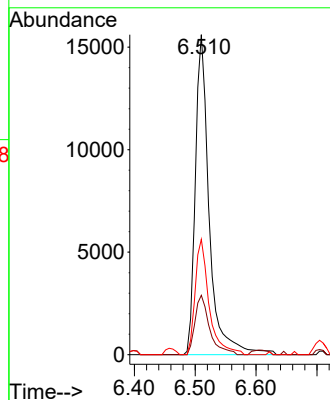
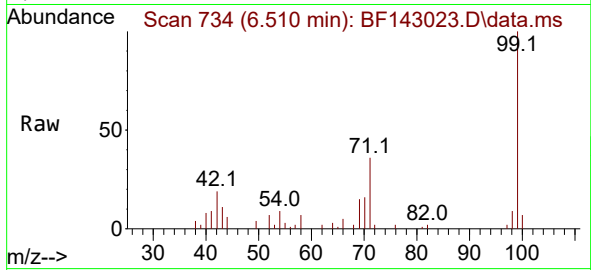




#7
Phenol-d6
Concen: 6.822 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF143023.D
Acq: 07 Jul 2025 22:22

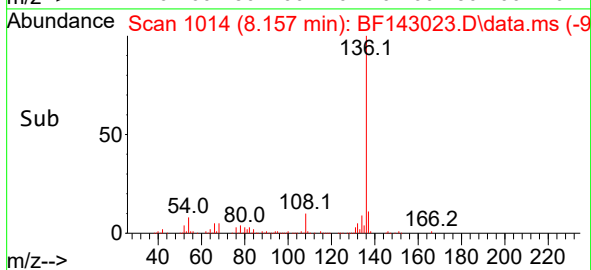
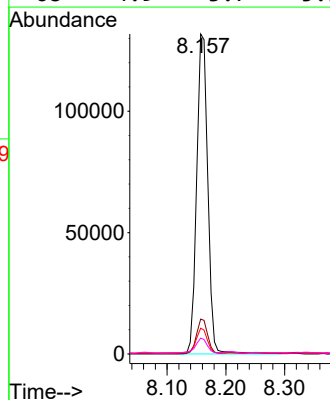
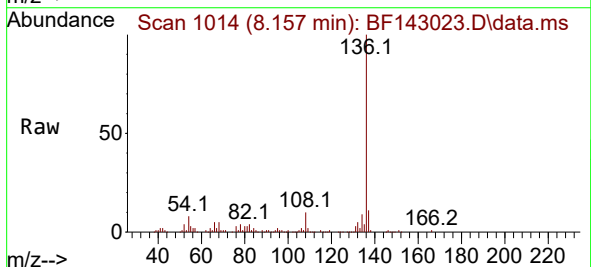
Instrument :
BNA_F
ClientSampleId :
HR-2-070325

Tgt Ion:	99	Resp:	24790
Ion	Ratio	Lower	Upper
99	100		
42	18.6	15.9	23.9
71	36.1	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: BF143023.D
Acq: 07 Jul 2025 22:22

Tgt Ion:	136	Resp:	173240
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.4	12.6
54	8.0	6.3	9.5
68	4.9	3.7	5.5

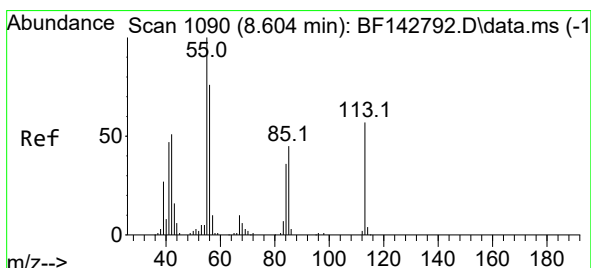
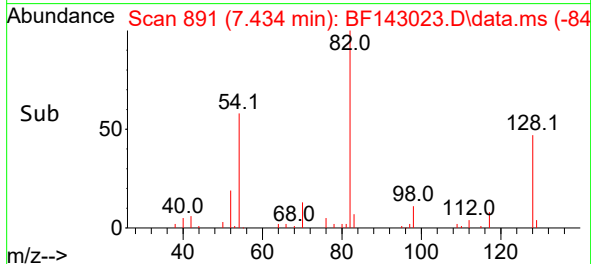
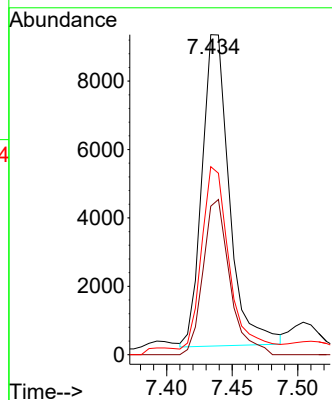
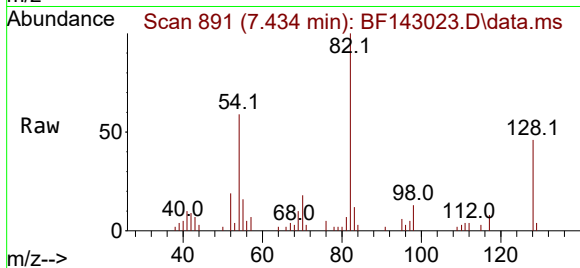




#23
Nitrobenzene-d5
Concen: 4.197 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.011 min
Lab File: BF143023.D
Acq: 07 Jul 2025 22:22

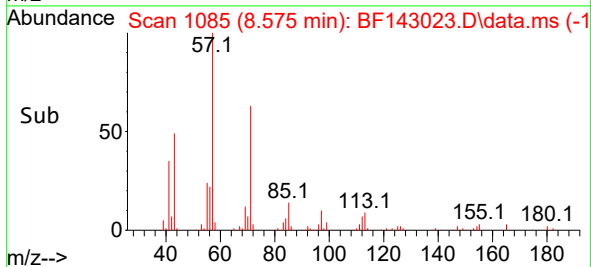
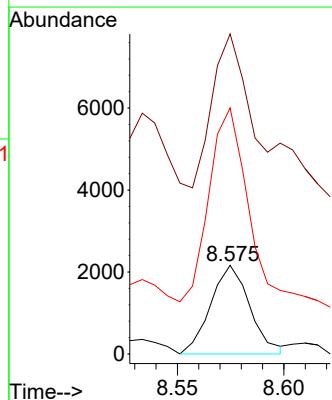
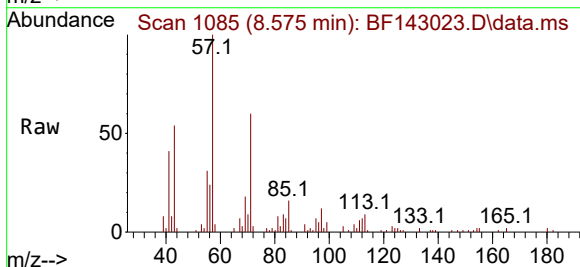
Instrument :
BNA_F
ClientSampleId :
HR-2-070325

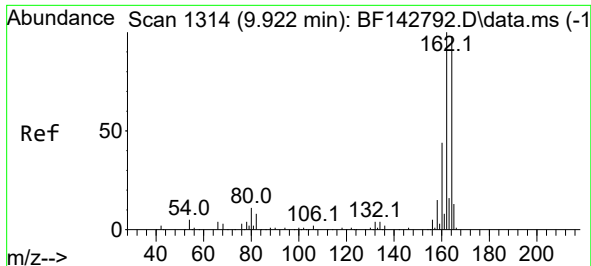
Tgt Ion: 82 Resp: 13256
Ion Ratio Lower Upper
82 100
128 46.4 37.7 56.5
54 58.8 45.7 68.5



#35
Caprolactam
Concen: 4.308 ng
RT: 8.575 min Scan# 1085
Delta R.T. -0.029 min
Lab File: BF143023.D
Acq: 07 Jul 2025 22:22

Tgt Ion: 113 Resp: 2780
Ion Ratio Lower Upper
113 100
55 361.2 154.4 194.4#
56 277.7 112.1 152.1#

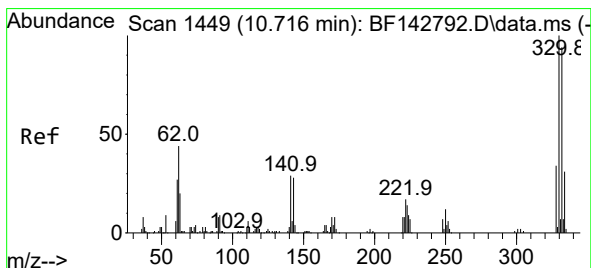
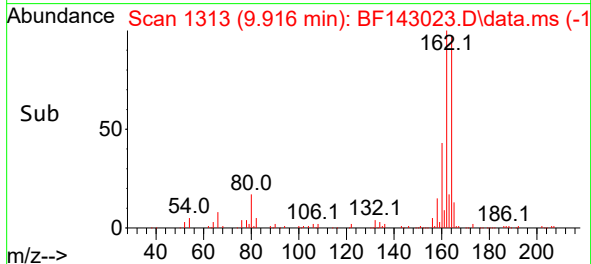
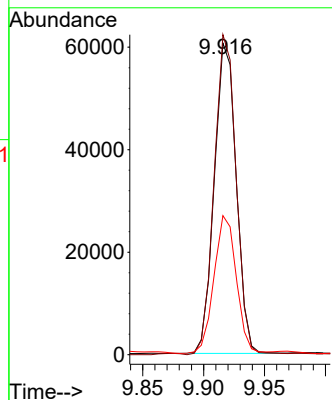
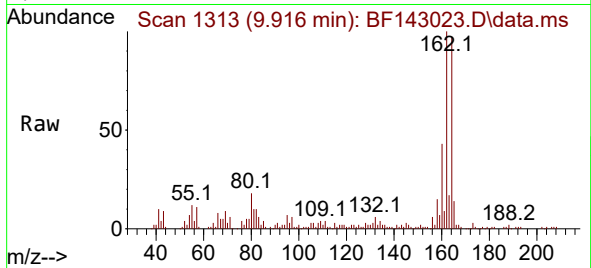




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143023.D
Acq: 07 Jul 2025 22:22

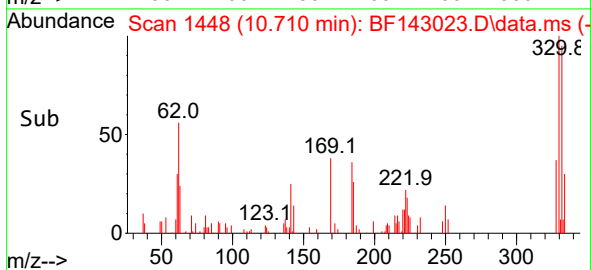
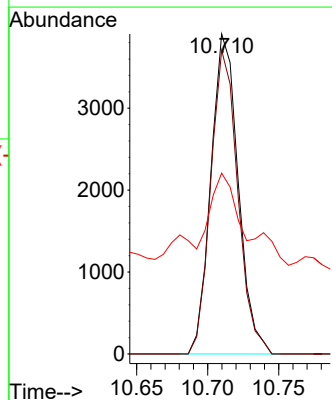
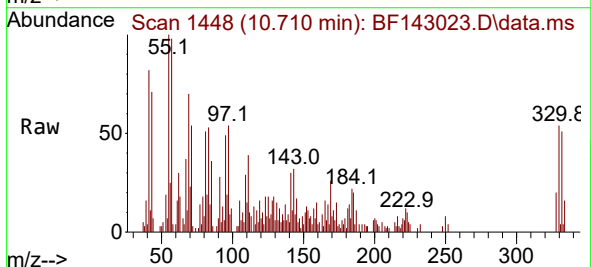
Instrument :
BNA_F
ClientSampleId :
HR-2-070325

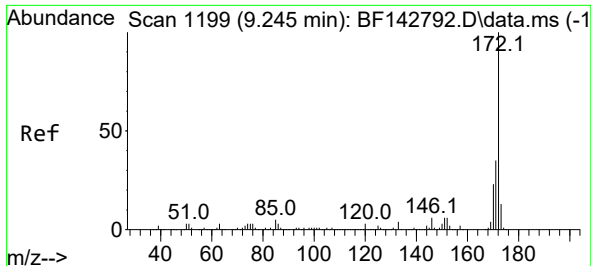
Tgt Ion:164 Resp: 75961
Ion Ratio Lower Upper
164 100
162 102.7 81.8 122.8
160 44.6 36.0 54.0



#42
2,4,6-Tribromophenol
Concen: 6.671 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF143023.D
Acq: 07 Jul 2025 22:22

Tgt Ion:330 Resp: 5215
Ion Ratio Lower Upper
330 100
332 94.1 75.0 112.6
141 36.1 25.3 37.9

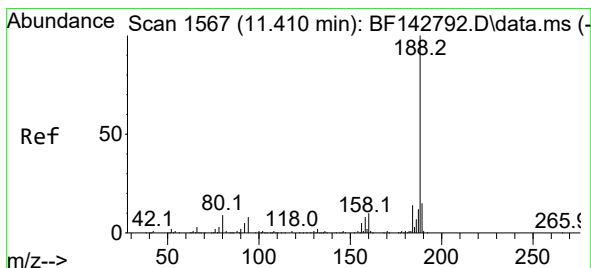
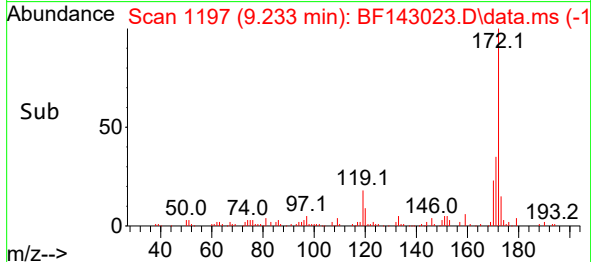
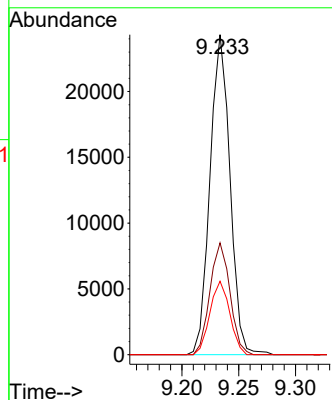
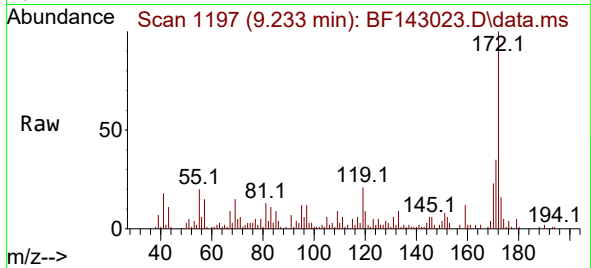




#45
2-Fluorobiphenyl
Concen: 5.145 ng
RT: 9.233 min Scan# 1199
Delta R.T. -0.012 min
Lab File: BF143023.D
Acq: 07 Jul 2025 22:22

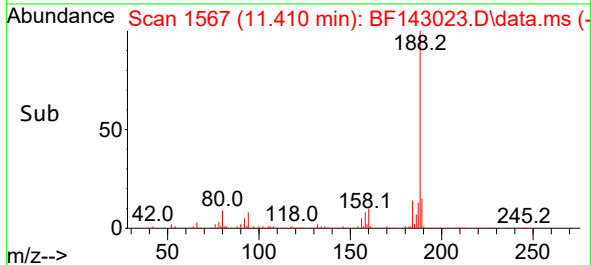
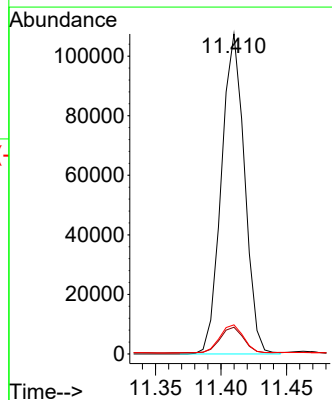
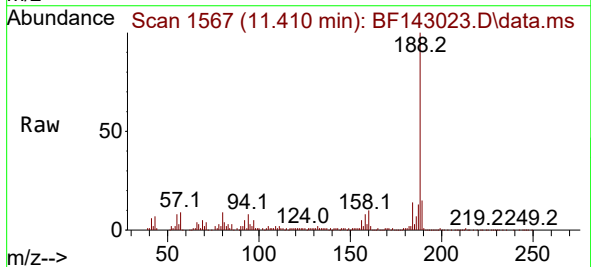
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HR-2-070325

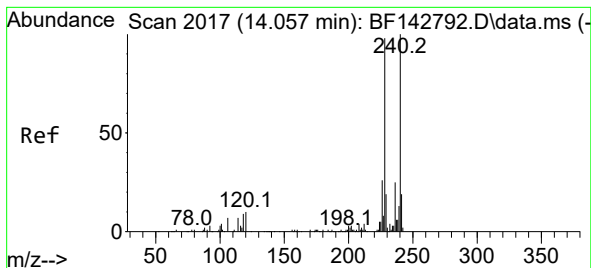
Tgt Ion:172	Resp:	29751
Ion Ratio	Lower	Upper
172	100	
171	34.9	28.2 42.4
170	22.9	18.5 27.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF143023.D
Acq: 07 Jul 2025 22:22

Tgt Ion:188	Resp:	132033
Ion Ratio	Lower	Upper
188	100	
94	8.4	6.7 10.1
80	9.1	6.9 10.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF143023.D

Acq: 07 Jul 2025 22:22

Instrument :

BNA_F

ClientSampleId :

HR-2-070325

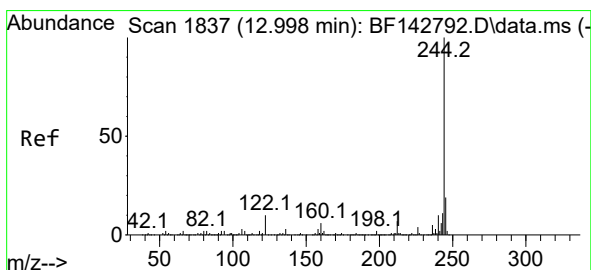
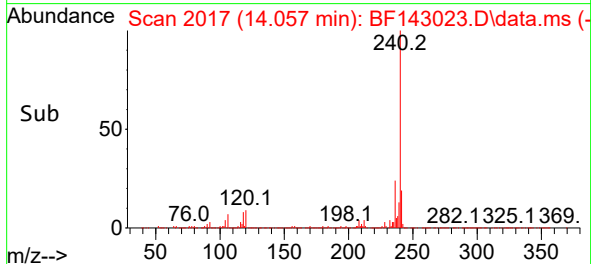
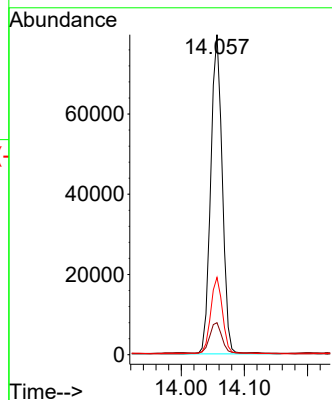
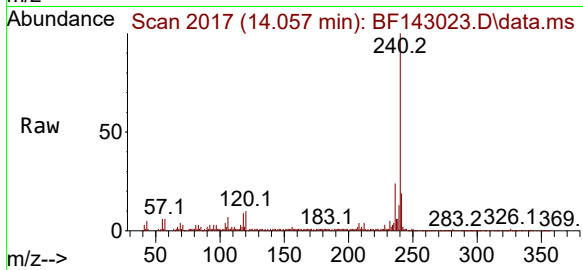
Tgt Ion:240 Resp: 101384

Ion Ratio Lower Upper

240 100

120 10.0 8.2 12.2

236 24.2 19.8 29.8



#79

Terphenyl-d14

Concen: 4.584 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF143023.D

Acq: 07 Jul 2025 22:22

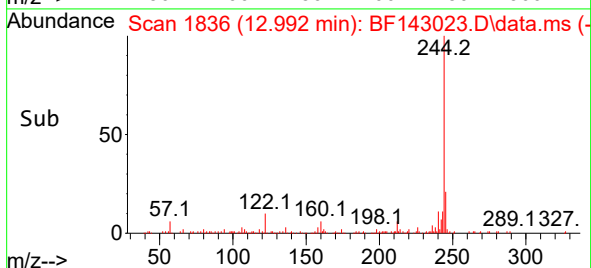
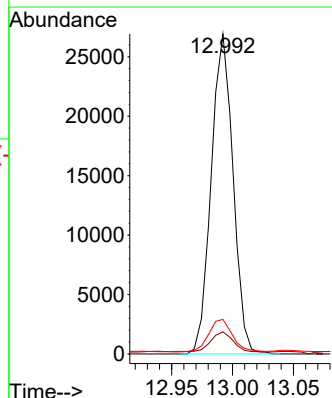
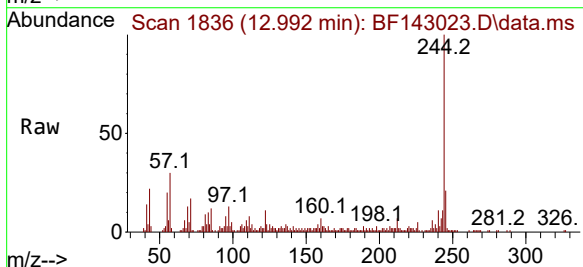
Tgt Ion:244 Resp: 33639

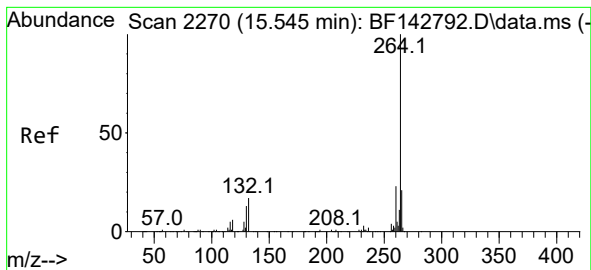
Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

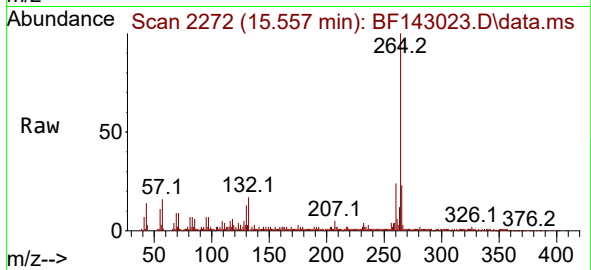
122 10.8 8.2 12.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF143023.D
Acq: 07 Jul 2025 22:22

Instrument :
BNA_F
ClientSampleId :
HR-2-070325



Tgt Ion:264 Resp: 73874
Ion Ratio Lower Upper
264 100
260 24.1 18.1 27.1
265 22.7 16.6 25.0

