

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
 Data File : BF143523.D
 Acq On : 21 Aug 2025 11:47
 Operator : RC/JU
 Sample : Q2900-03DL 20X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP-01-081825DL

Quant Time: Aug 21 12:50:19 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 21 06:12:21 2025
 Response via : Initial Calibration

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

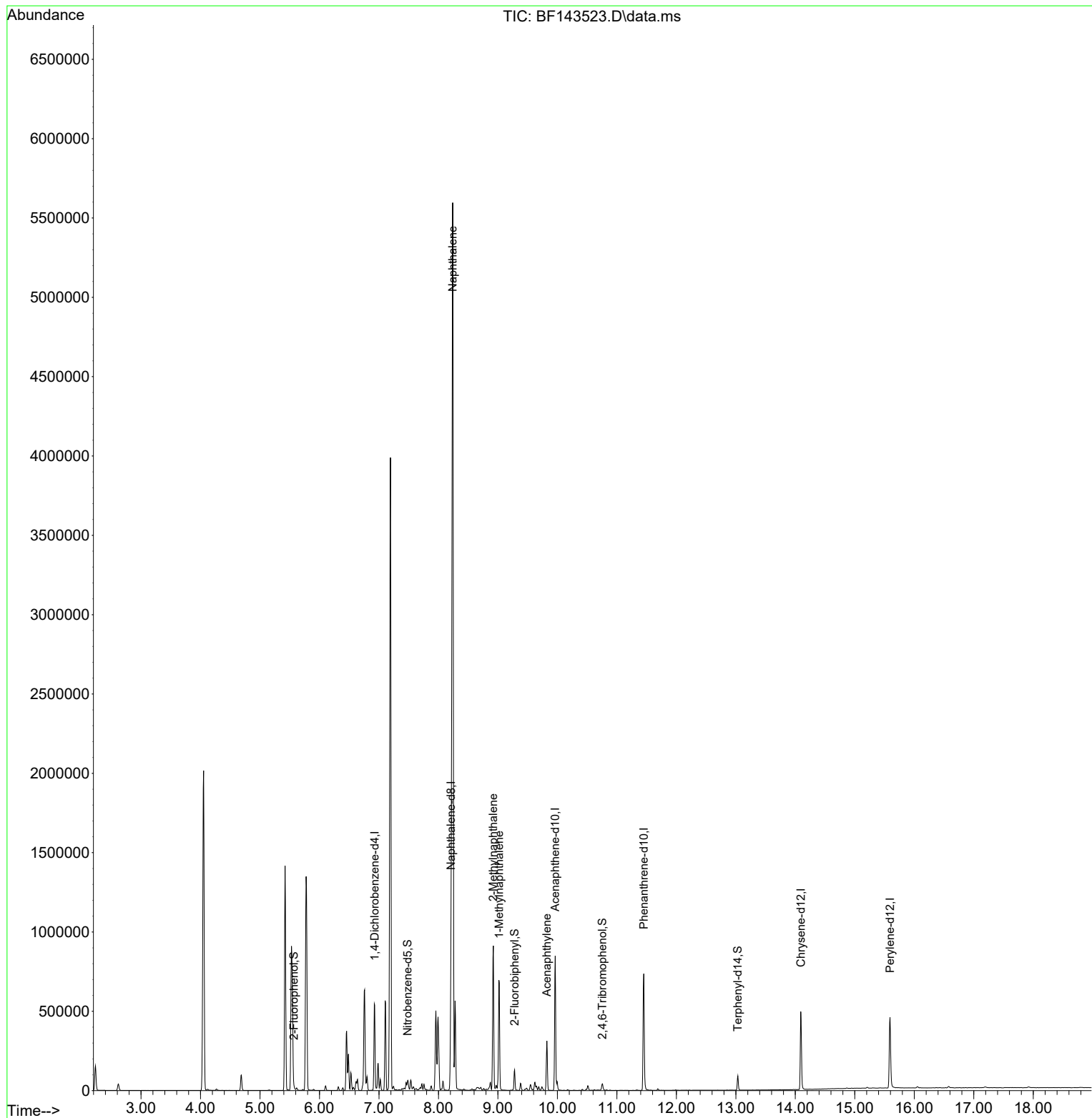
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	120053	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	450034	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	257551	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	381973	20.000	ng	0.00
76) Chrysene-d12	14.092	240	254066	20.000	ng	-0.01
86) Perylene-d12	15.592	264	290998	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	13977	2.033	ng	0.00
7) Phenol-d6	6.569	99	11951	1.408	ng	0.00
23) Nitrobenzene-d5	7.481	82	26260	3.405	ng	-0.02
42) 2,4,6-Tribromophenol	10.757	330	9171	3.825	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	59877	3.842	ng	0.00
79) Terphenyl-d14	13.033	244	48558	3.335	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	8.240	128	4304531	199.227	ng	97
37) 2-Methylnaphthalene	8.922	142	345864	23.968	ng	100
38) 1-Methylnaphthalene	9.022	142	262053	18.985	ng	100
49) Acenaphthylene	9.822	152	179051	8.718	ng	99

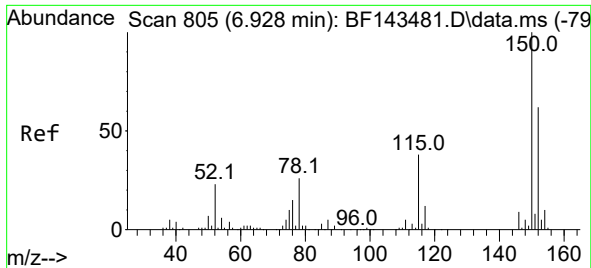
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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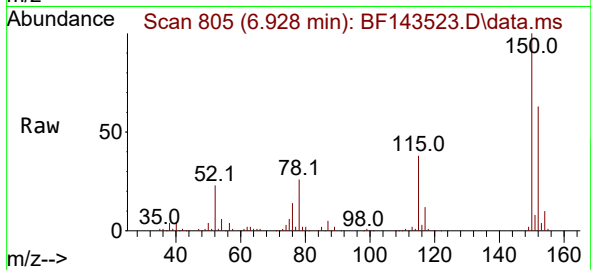
Quant Time: Aug 21 12:50:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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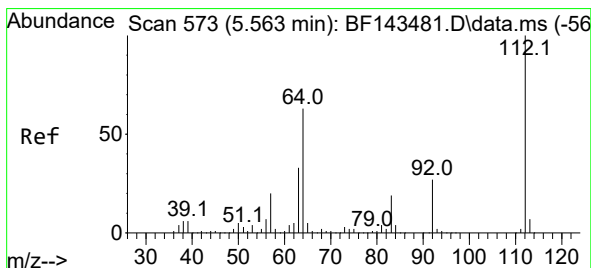
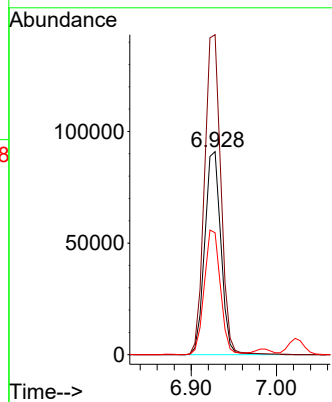
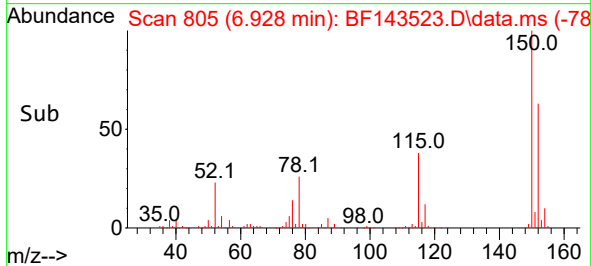


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF143523.D
Acq: 21 Aug 2025 11:47

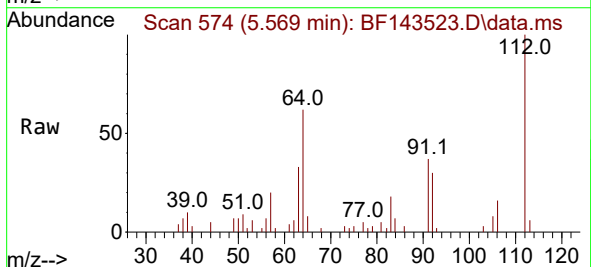
Instrument :
BNA_F
ClientSampleId :
DUP-01-081825DL



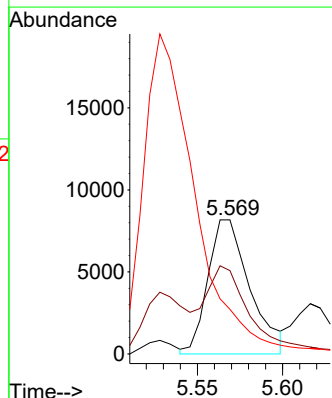
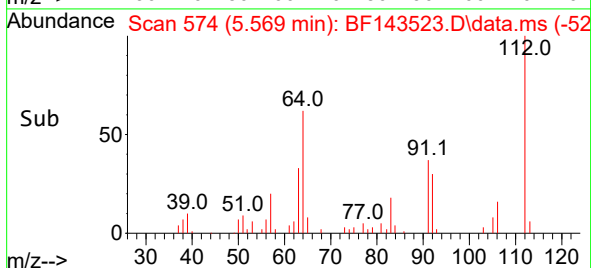
Tgt Ion:152 Resp: 120053
Ion Ratio Lower Upper
152 100
150 157.6 128.9 193.3
115 60.0 49.2 73.8

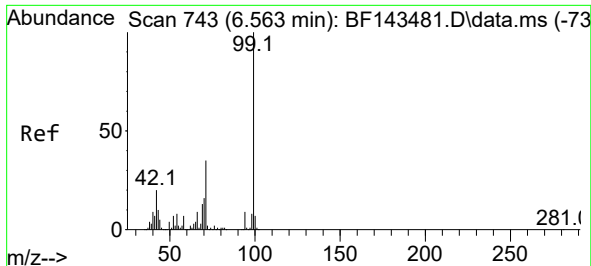


#5
2-Fluorophenol
Concen: 2.033 ng
RT: 5.569 min Scan# 574
Delta R.T. 0.006 min
Lab File: BF143523.D
Acq: 21 Aug 2025 11:47



Tgt Ion:112 Resp: 13977
Ion Ratio Lower Upper
112 100
64 62.1 50.4 75.6
63 33.3 26.4 39.6

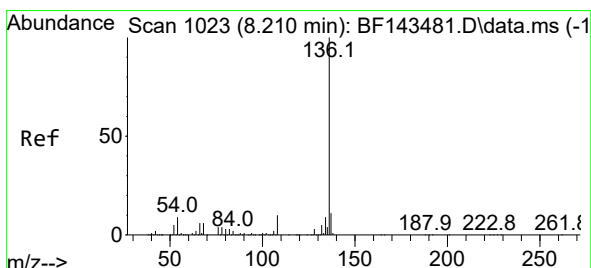
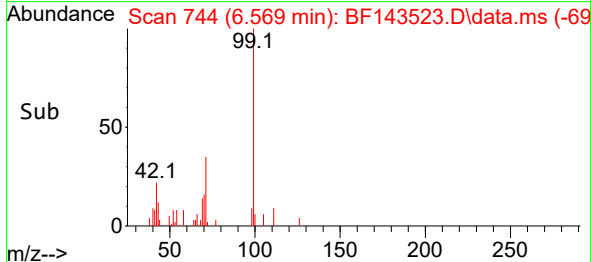
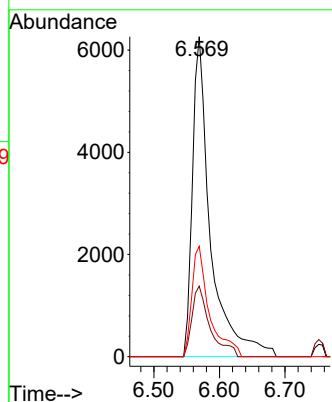
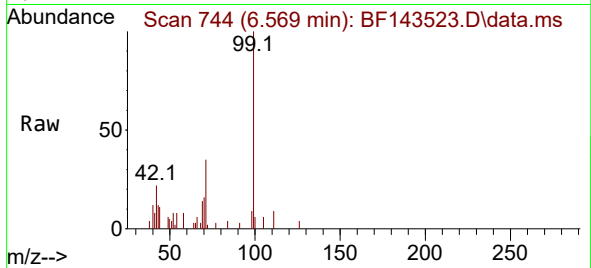




#7
Phenol-d6
Concen: 1.408 ng
RT: 6.569 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF143523.D
Acq: 21 Aug 2025 11:47

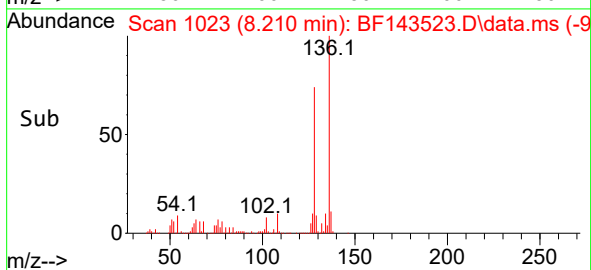
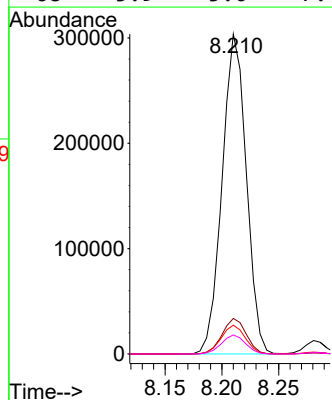
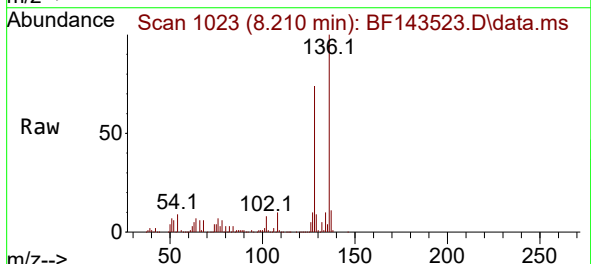
Instrument :
BNA_F
ClientSampleId :
DUP-01-081825DL

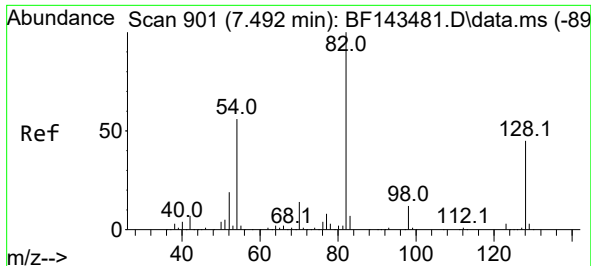
Tgt Ion: 99 Resp: 11951
Ion Ratio Lower Upper
99 100
42 22.0 16.3 24.5
71 34.5 28.2 42.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF143523.D
Acq: 21 Aug 2025 11:47

Tgt Ion: 136 Resp: 450034
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 9.0 7.4 11.2
68 5.9 5.0 7.4





#23

Nitrobenzene-d5

Concen: 3.405 ng

RT: 7.481 min Scan# 899

Delta R.T. -0.018 min

Lab File: BF143523.D

Acq: 21 Aug 2025 11:47

Instrument :

BNA_F

ClientSampleId :

DUP-01-081825DL

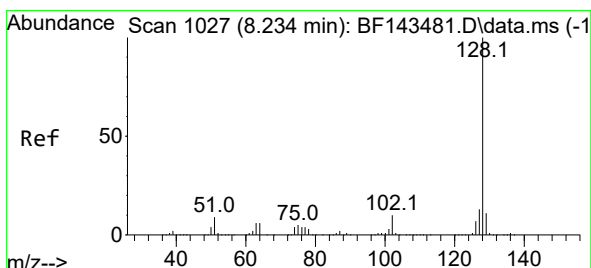
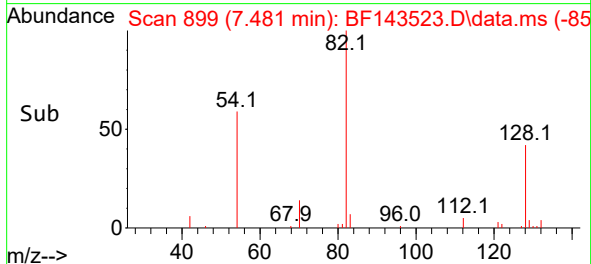
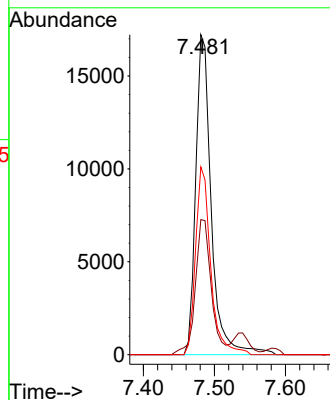
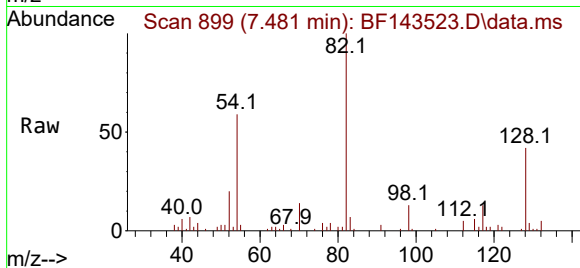
Tgt Ion: 82 Resp: 26260

Ion Ratio Lower Upper

82 100

128 42.2 35.5 53.3

54 58.7 44.3 66.5



#31

Naphthalene

Concen: 199.227 ng

RT: 8.240 min Scan# 1028

Delta R.T. 0.006 min

Lab File: BF143523.D

Acq: 21 Aug 2025 11:47

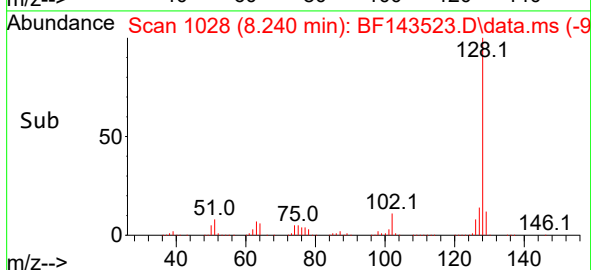
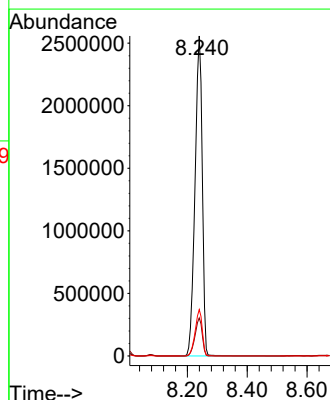
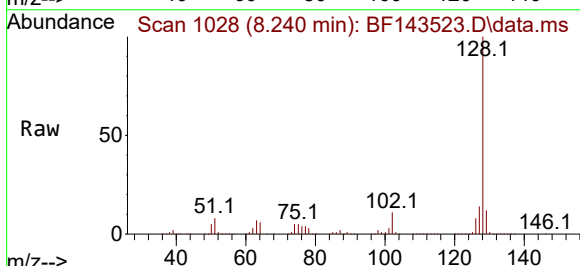
Tgt Ion:128 Resp: 4304531

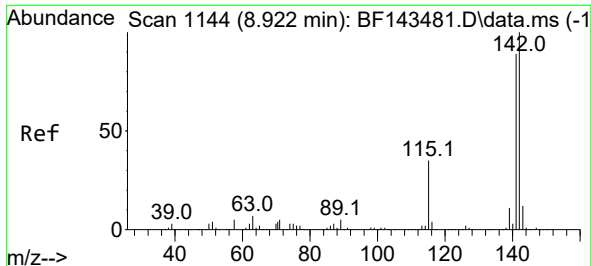
Ion Ratio Lower Upper

128 100

129 11.9 8.8 13.2

127 14.5 10.6 16.0

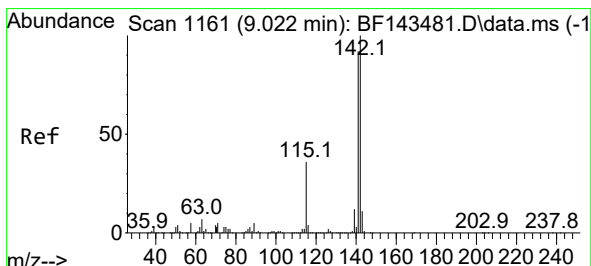
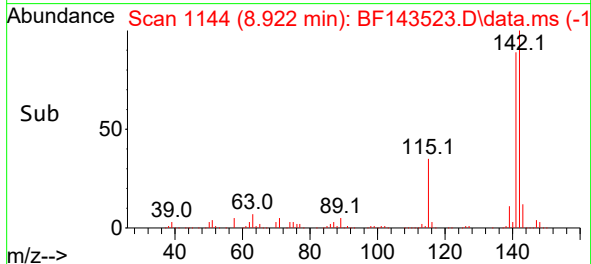
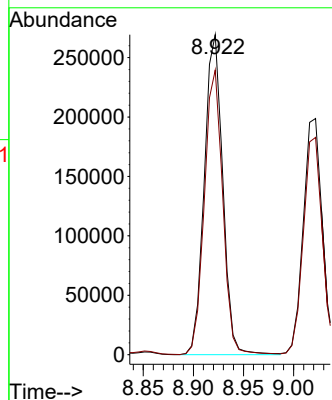
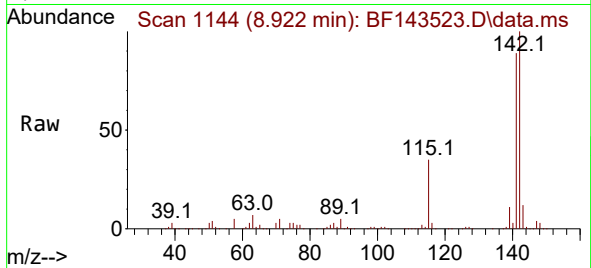




#37
2-Methylnaphthalene
Concen: 23.968 ng
RT: 8.922 min Scan# 1144
Delta R.T. -0.006 min
Lab File: BF143523.D
Acq: 21 Aug 2025 11:47

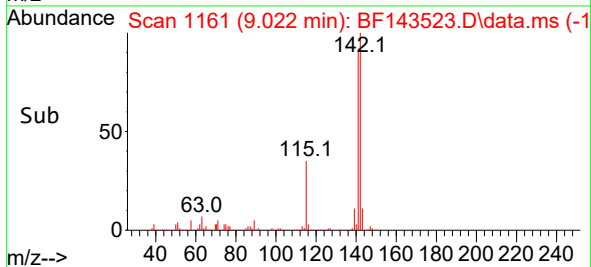
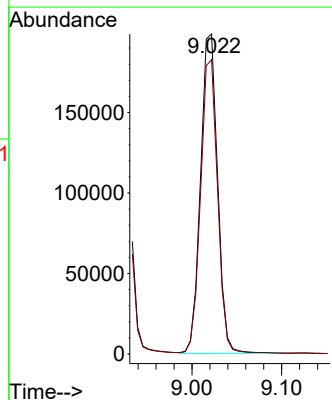
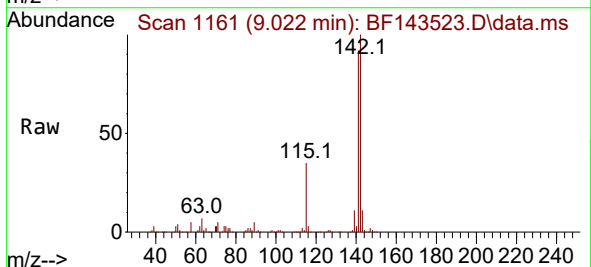
Instrument :
BNA_F
ClientSampleId :
DUP-01-081825DL

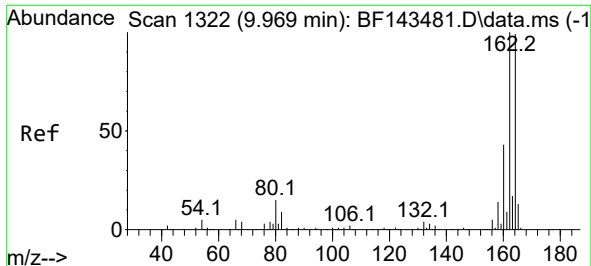
Tgt Ion:142 Resp: 345864
Ion Ratio Lower Upper
142 100
141 88.9 71.0 106.4



#38
1-Methylnaphthalene
Concen: 18.985 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.006 min
Lab File: BF143523.D
Acq: 21 Aug 2025 11:47

Tgt Ion:142 Resp: 262053
Ion Ratio Lower Upper
142 100
141 92.0 73.3 109.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.963 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143523.D

Acq: 21 Aug 2025 11:47

Instrument :

BNA_F

ClientSampleId :

DUP-01-081825DL

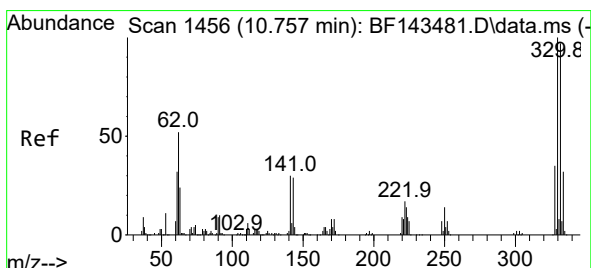
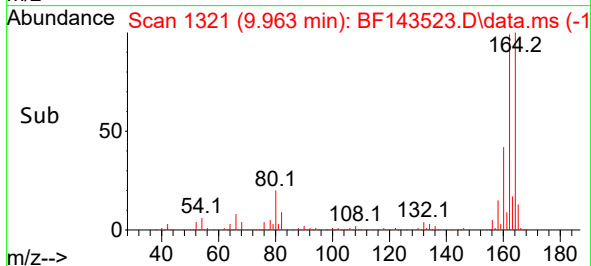
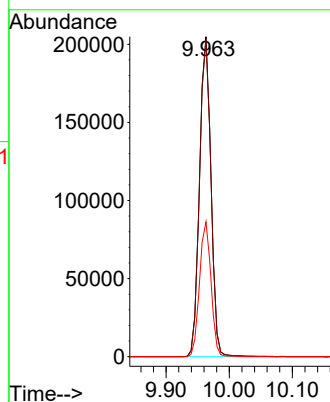
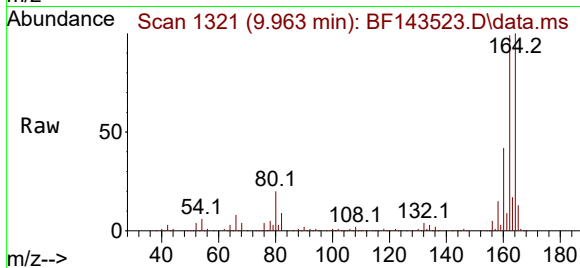
Tgt Ion:164 Resp: 257551

Ion Ratio Lower Upper

164 100

162 98.9 80.5 120.7

160 42.2 34.3 51.5



#42

2,4,6-Tribromophenol

Concen: 3.825 ng

RT: 10.757 min Scan# 1456

Delta R.T. -0.006 min

Lab File: BF143523.D

Acq: 21 Aug 2025 11:47

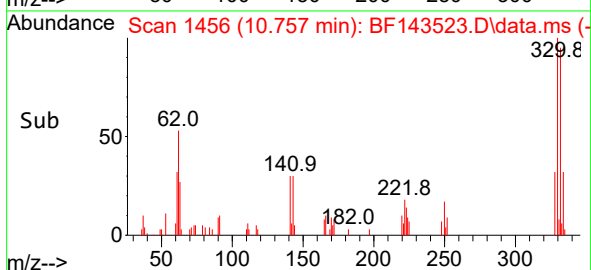
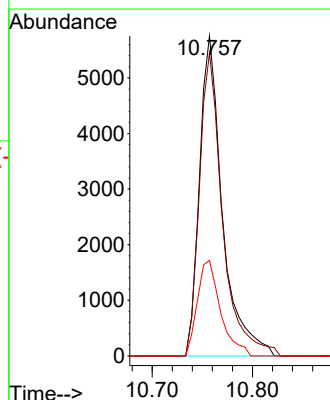
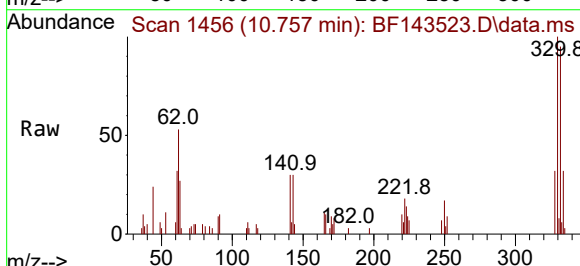
Tgt Ion:330 Resp: 9171

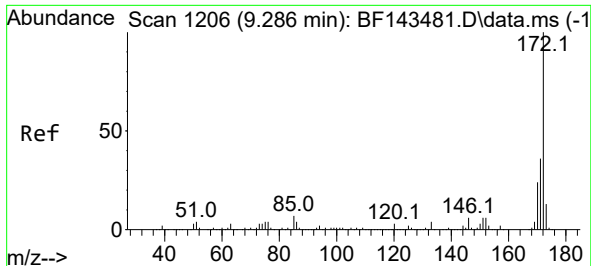
Ion Ratio Lower Upper

330 100

332 94.9 78.0 117.0

141 30.1 23.7 35.5





#45

2-Fluorobiphenyl

Concen: 3.842 ng

RT: 9.281 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF143523.D

Acq: 21 Aug 2025 11:47

Instrument :

BNA_F

ClientSampleId :

DUP-01-081825DL

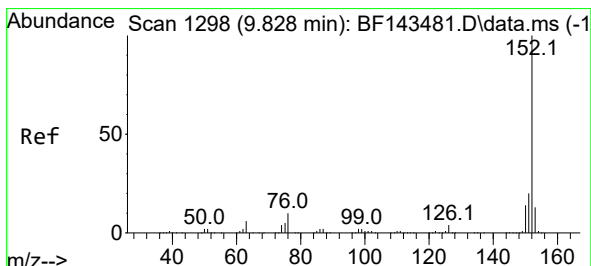
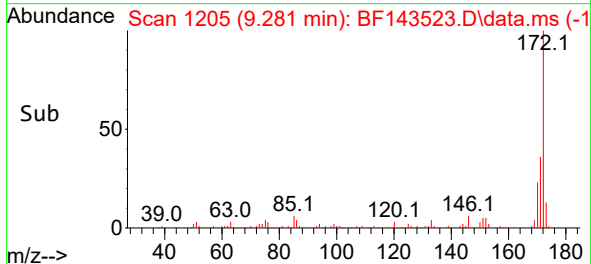
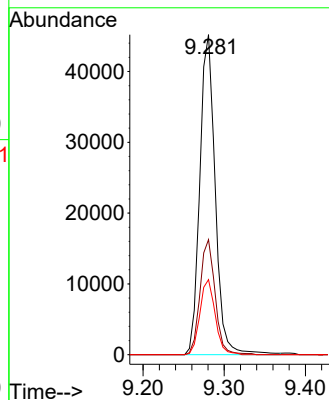
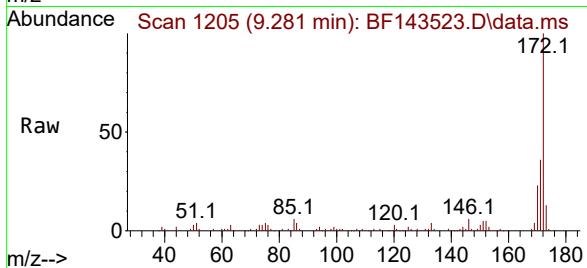
Tgt Ion:172 Resp: 59877

Ion Ratio Lower Upper

172 100

171 35.9 28.8 43.2

170 23.5 18.8 28.2



#49

Acenaphthylene

Concen: 8.718 ng

RT: 9.822 min Scan# 1297

Delta R.T. -0.006 min

Lab File: BF143523.D

Acq: 21 Aug 2025 11:47

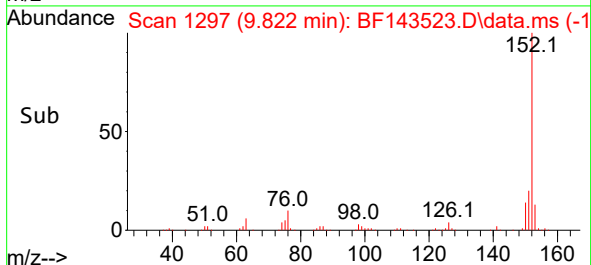
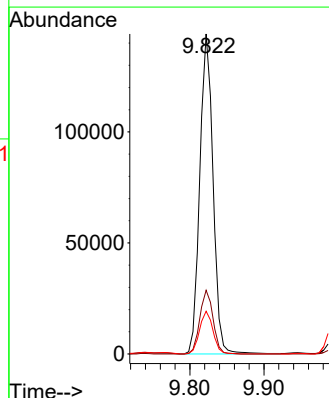
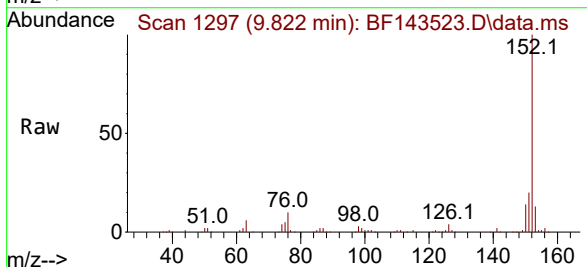
Tgt Ion:152 Resp: 179051

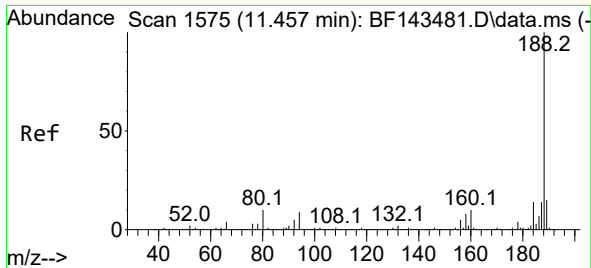
Ion Ratio Lower Upper

152 100

151 19.9 16.2 24.4

153 13.3 10.6 15.8

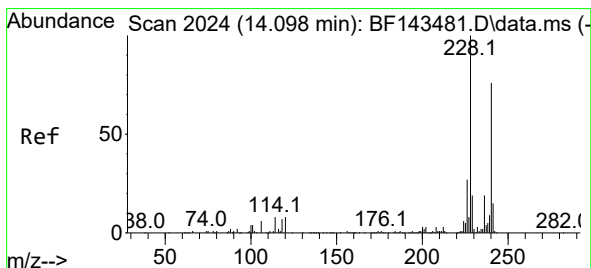
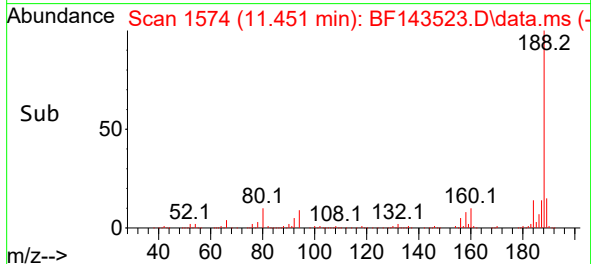
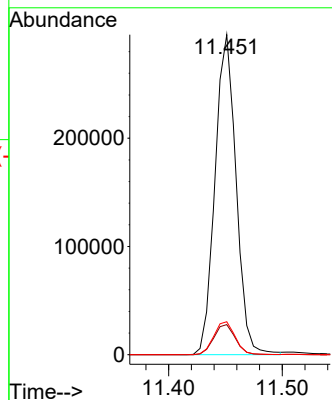
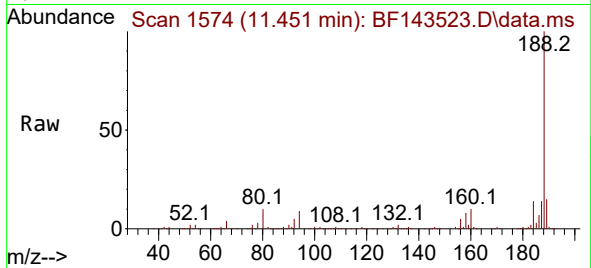




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143523.D
Acq: 21 Aug 2025 11:47

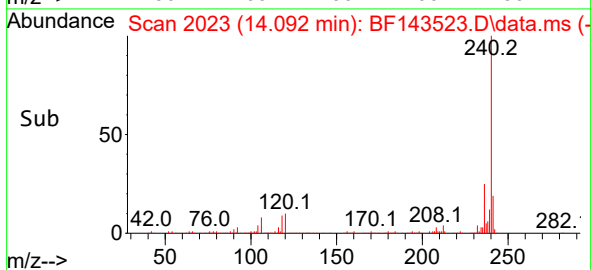
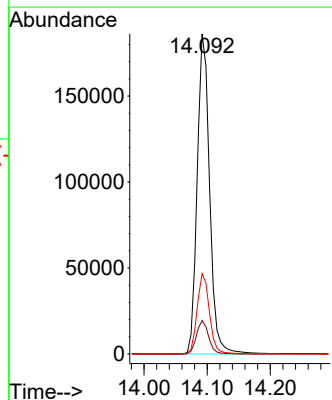
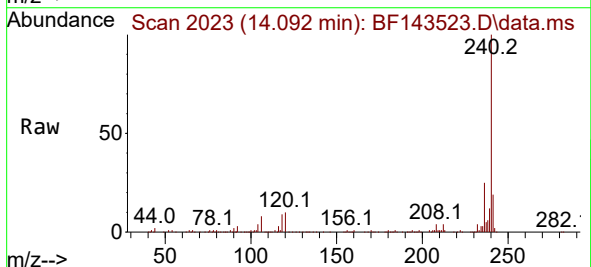
Instrument :
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DUP-01-081825DL

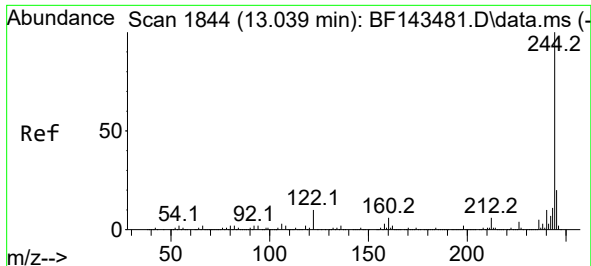
Tgt Ion:188 Resp: 381973
Ion Ratio Lower Upper
188 100
94 9.4 7.4 11.2
80 10.3 8.2 12.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2023
Delta R.T. -0.012 min
Lab File: BF143523.D
Acq: 21 Aug 2025 11:47

Tgt Ion:240 Resp: 254066
Ion Ratio Lower Upper
240 100
120 10.5 8.6 12.8
236 25.1 20.4 30.6

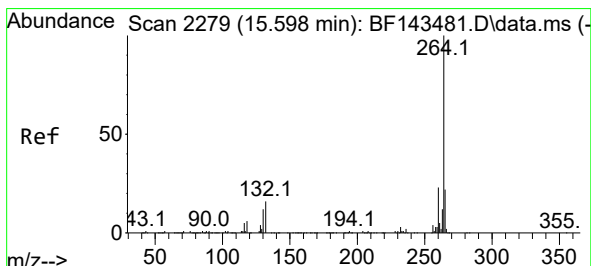
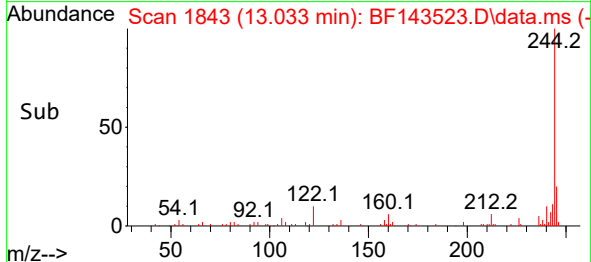
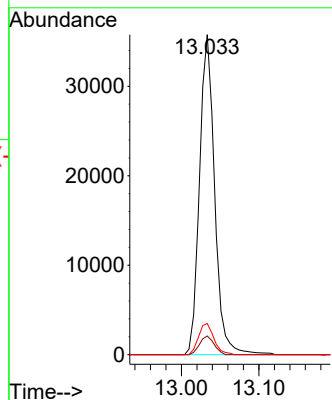
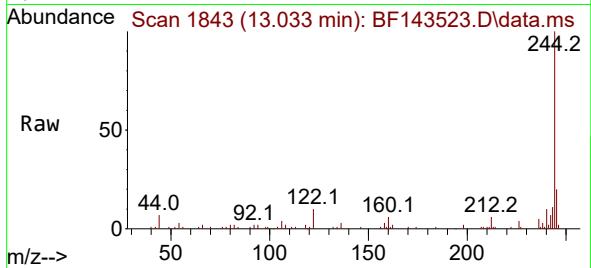




#79
 Terphenyl-d14
 Concen: 3.335 ng
 RT: 13.033 min Scan# 1844
 Delta R.T. -0.006 min
 Lab File: BF143523.D
 Acq: 21 Aug 2025 11:47

Instrument :
 BNA_F
 ClientSampleId :
 DUP-01-081825DL

Tgt Ion:244 Resp: 48558
 Ion Ratio Lower Upper
 244 100
 212 5.8 5.2 7.8
 122 9.8 7.9 11.9



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.592 min Scan# 2278
 Delta R.T. -0.006 min
 Lab File: BF143523.D
 Acq: 21 Aug 2025 11:47

Tgt Ion:264 Resp: 290998
 Ion Ratio Lower Upper
 264 100
 260 22.4 18.7 28.1
 265 21.1 17.6 26.4

