

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
 Data File : BF143536.D
 Acq On : 21 Aug 2025 18:05
 Operator : RC/JU
 Sample : Q2814-19
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TW-518R-E

Quant Time: Aug 22 01:01:36 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	109854	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	411240	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	205974	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	272882	20.000	ng	0.00
76) Chrysene-d12	14.092	240	205191	20.000	ng	-0.01
86) Perylene-d12	15.592	264	251013	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	465475	73.989	ng	0.00
7) Phenol-d6	6.557	99	453556	58.402	ng	-0.02
23) Nitrobenzene-d5	7.487	82	581644	82.535	ng	-0.01
42) 2,4,6-Tribromophenol	10.757	330	213895	111.560	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	1021859	81.991	ng	0.00
79) Terphenyl-d14	13.033	244	774100	65.833	ng	0.00

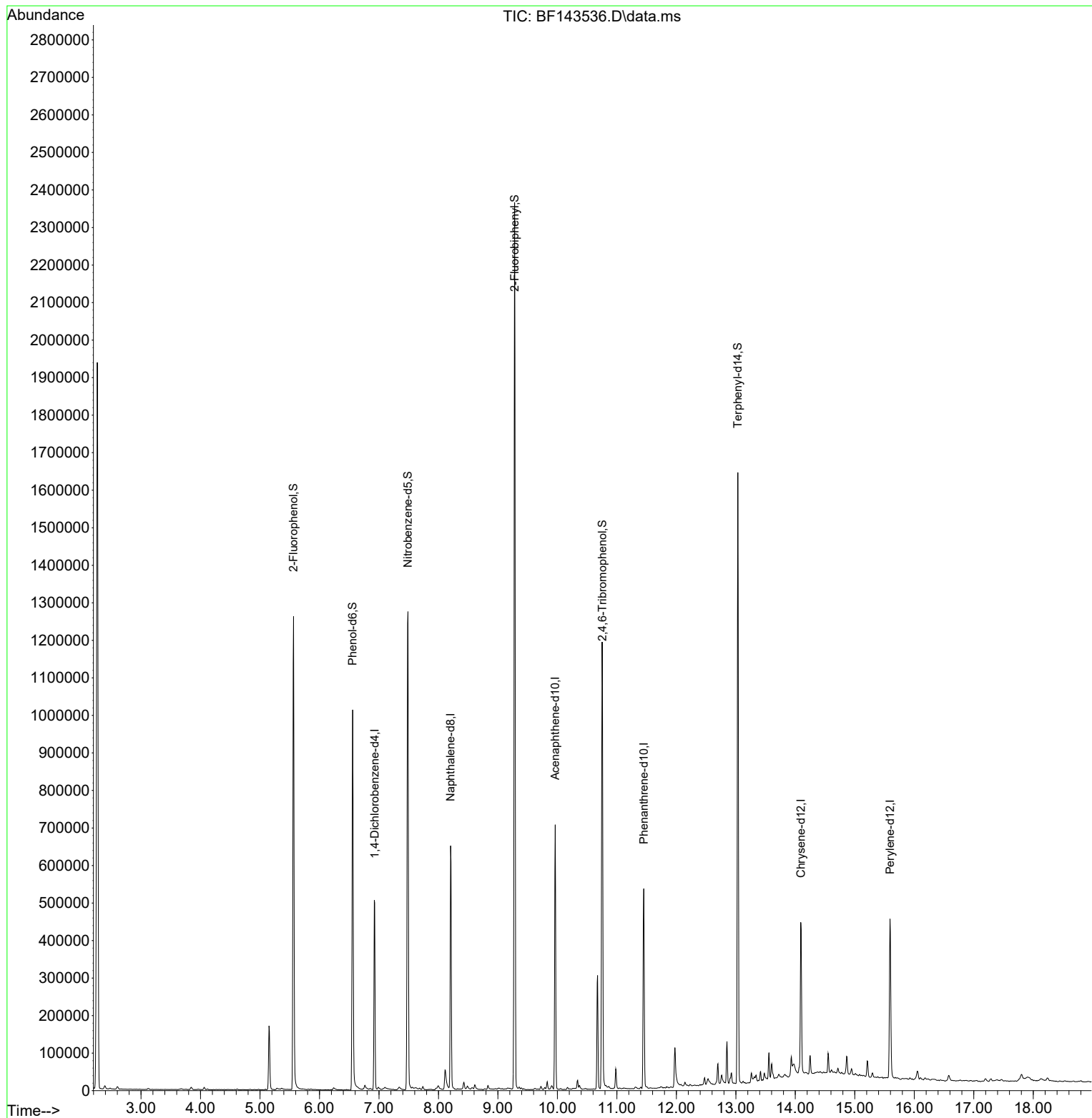
Target Compounds	Qvalue

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

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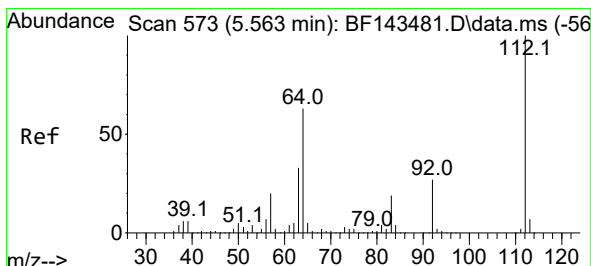
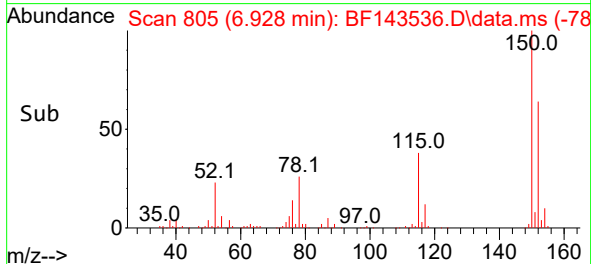
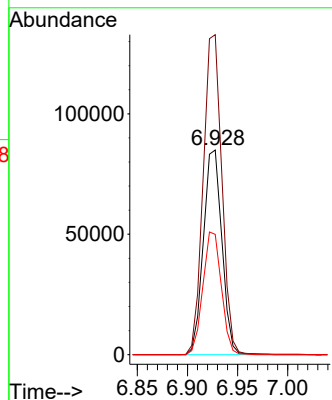
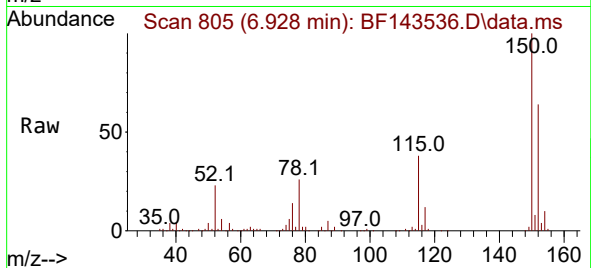




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF143536.D
Acq: 21 Aug 2025 18:05

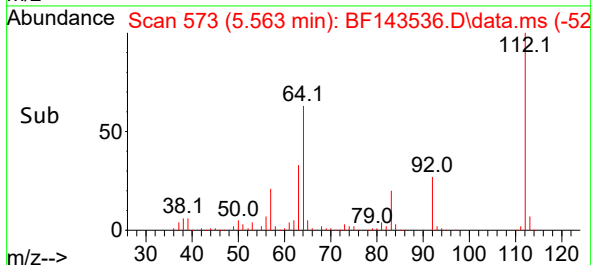
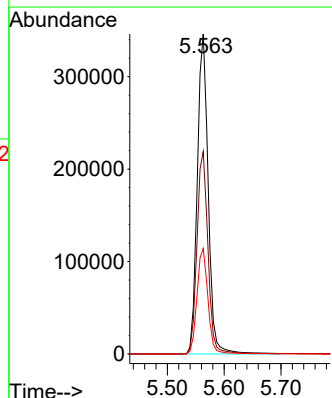
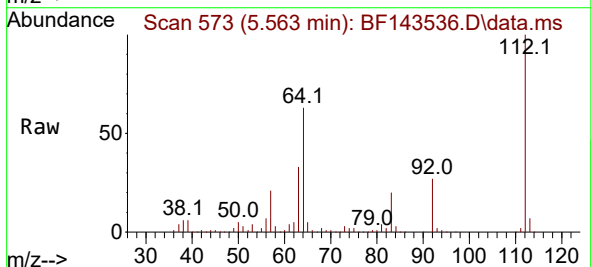
Instrument :
BNA_F
ClientSampleId :
TW-518R-E

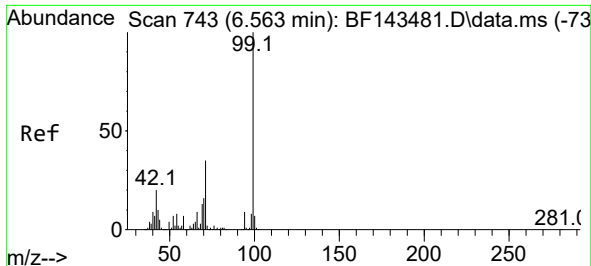
Tgt Ion:152 Resp: 109854
Ion Ratio Lower Upper
152 100
150 156.4 128.9 193.3
115 58.8 49.2 73.8



#5
2-Fluorophenol
Concen: 73.989 ng
RT: 5.563 min Scan# 573
Delta R.T. -0.000 min
Lab File: BF143536.D
Acq: 21 Aug 2025 18:05

Tgt Ion:112 Resp: 465475
Ion Ratio Lower Upper
112 100
64 63.3 50.4 75.6
63 33.0 26.4 39.6

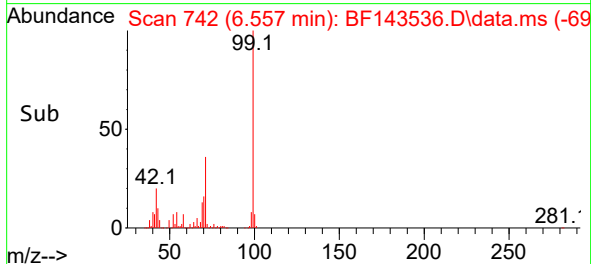
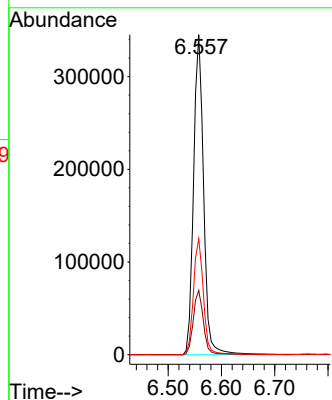
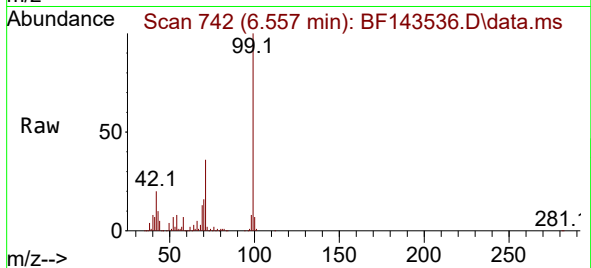




#7
Phenol-d6
Concen: 58.402 ng
RT: 6.557 min Scan# 743
Delta R.T. -0.018 min
Lab File: BF143536.D
Acq: 21 Aug 2025 18:05

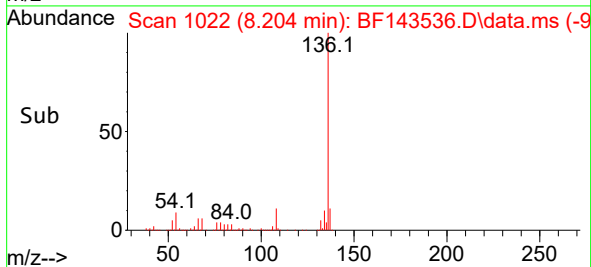
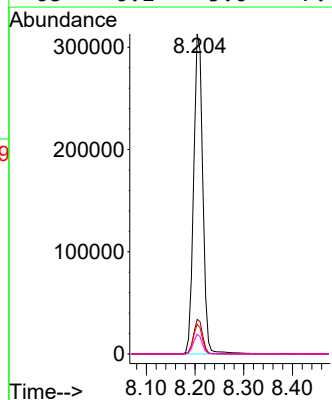
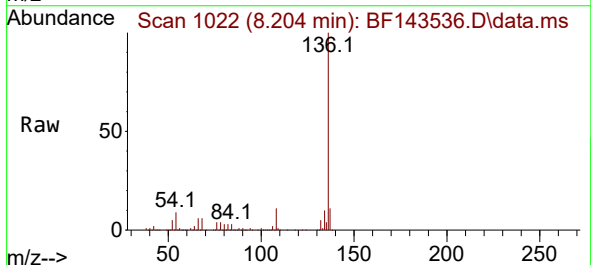
Instrument :
BNA_F
ClientSampleId :
TW-518R-E

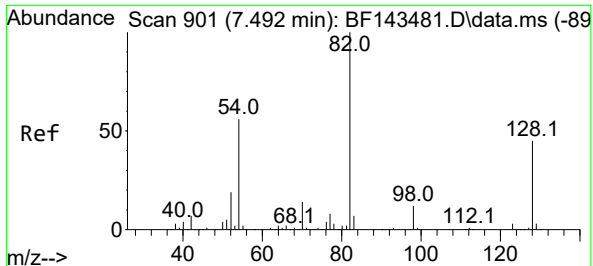
Tgt Ion: 99 Resp: 453556
Ion Ratio Lower Upper
99 100
42 20.1 16.3 24.5
71 36.2 28.2 42.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF143536.D
Acq: 21 Aug 2025 18:05

Tgt Ion: 136 Resp: 411240
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.4
54 9.3 7.4 11.2
68 6.1 5.0 7.4





#23

Nitrobenzene-d5

Concen: 82.535 ng

RT: 7.487 min Scan# 901

Delta R.T. -0.012 min

Lab File: BF143536.D

Acq: 21 Aug 2025 18:05

Instrument :

BNA_F

ClientSampleId :

TW-518R-E

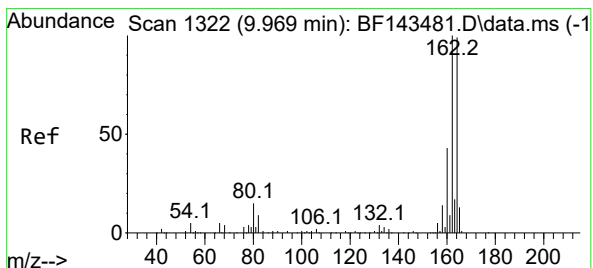
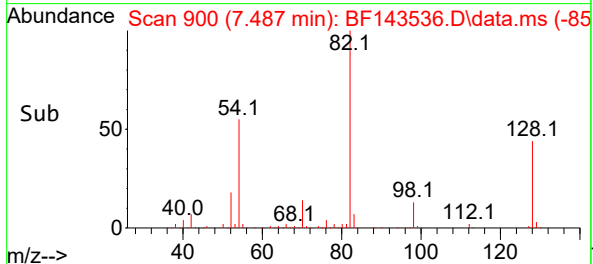
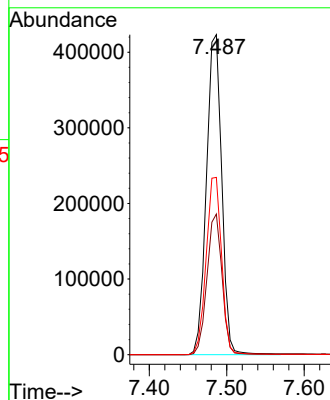
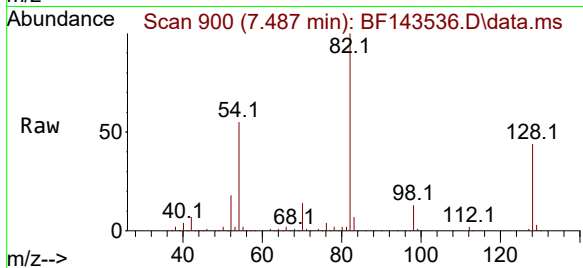
Tgt Ion: 82 Resp: 581644

Ion Ratio Lower Upper

82 100

128 44.0 35.5 53.3

54 55.4 44.3 66.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.963 min Scan# 1321

Delta R.T. -0.006 min

Lab File: BF143536.D

Acq: 21 Aug 2025 18:05

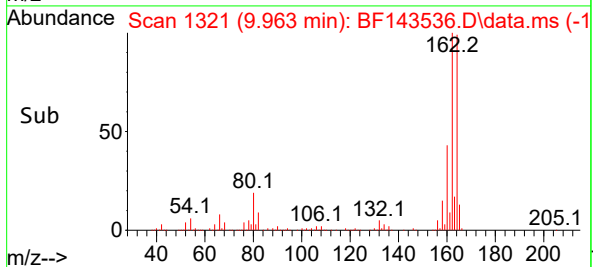
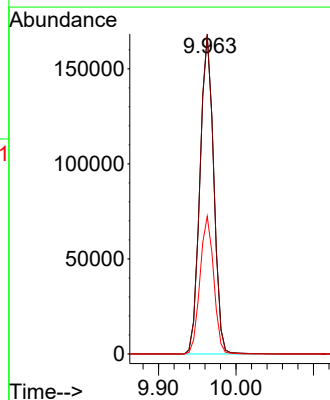
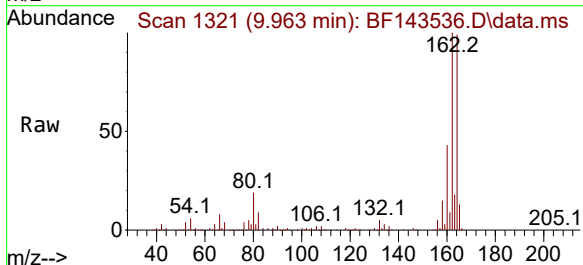
Tgt Ion:164 Resp: 205974

Ion Ratio Lower Upper

164 100

162 100.7 80.5 120.7

160 43.3 34.3 51.5

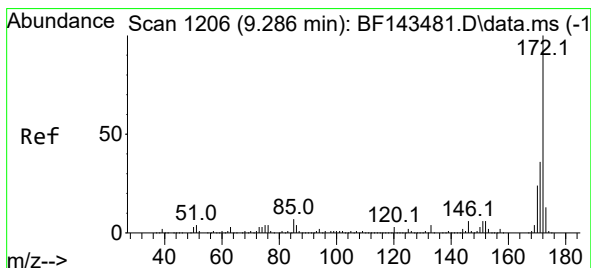
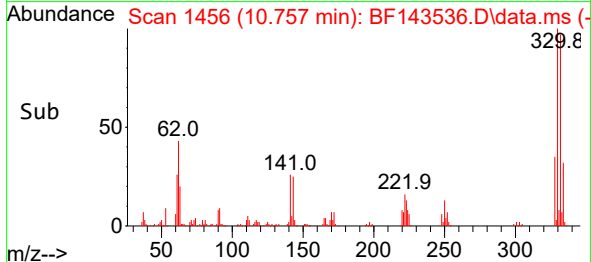
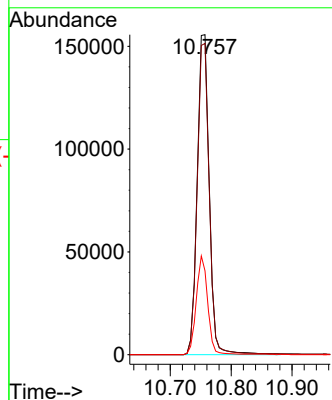
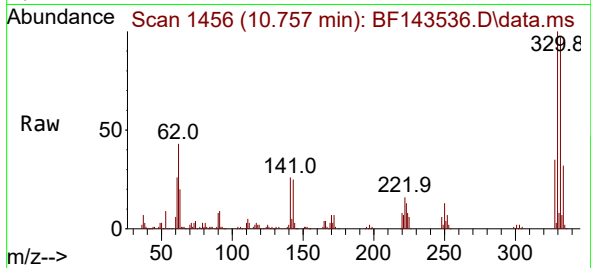




#42
2,4,6-Tribromophenol
Concen: 111.560 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF143536.D
Acq: 21 Aug 2025 18:05

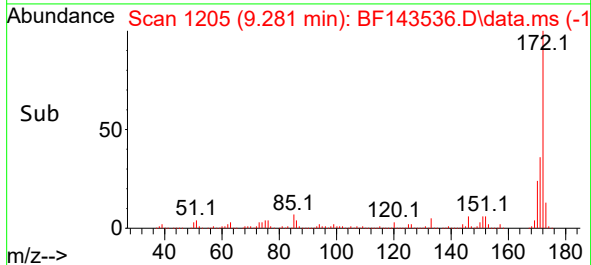
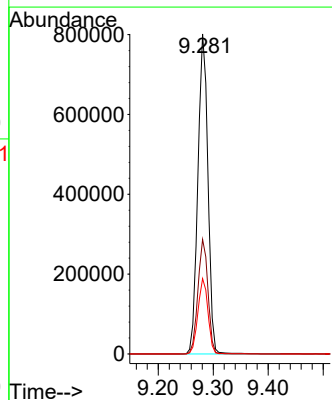
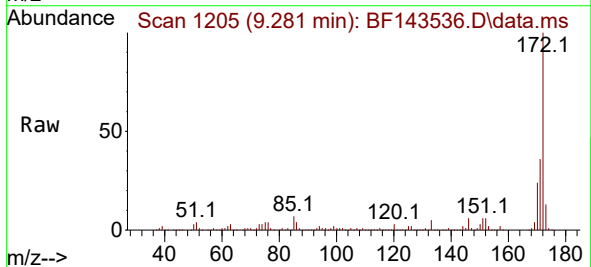
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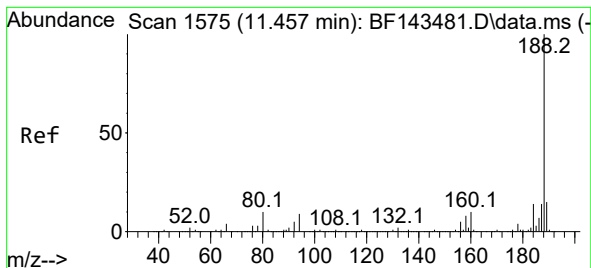
Tgt Ion:330 Resp: 213895
Ion Ratio Lower Upper
330 100
332 97.3 78.0 117.0
141 29.3 23.7 35.5



#45
2-Fluorobiphenyl
Concen: 81.991 ng
RT: 9.281 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF143536.D
Acq: 21 Aug 2025 18:05

Tgt Ion:172 Resp: 1021859
Ion Ratio Lower Upper
172 100
171 35.8 28.8 43.2
170 23.5 18.8 28.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.451 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143536.D

Acq: 21 Aug 2025 18:05

Instrument :

BNA_F

ClientSampleId :

TW-518R-E

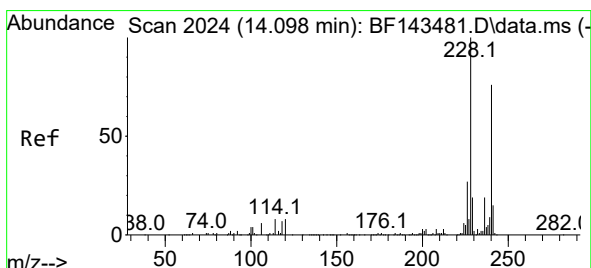
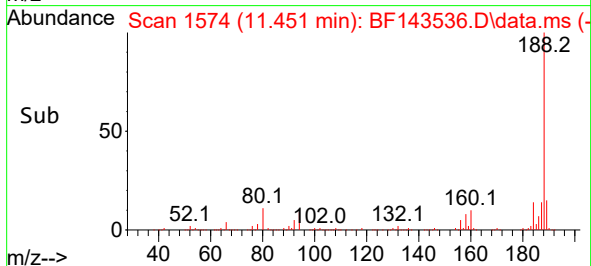
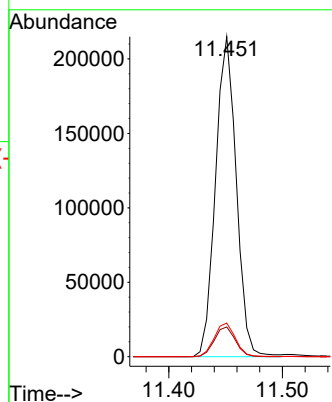
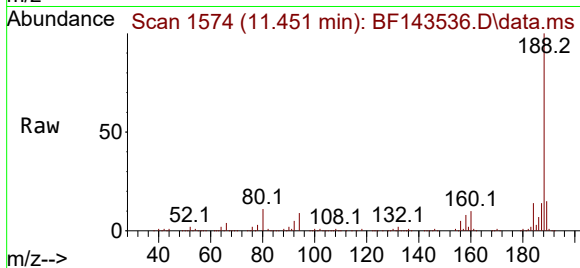
Tgt Ion:188 Resp: 272882

Ion Ratio Lower Upper

188 100

94 9.3 7.4 11.2

80 10.5 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: BF143536.D

Acq: 21 Aug 2025 18:05

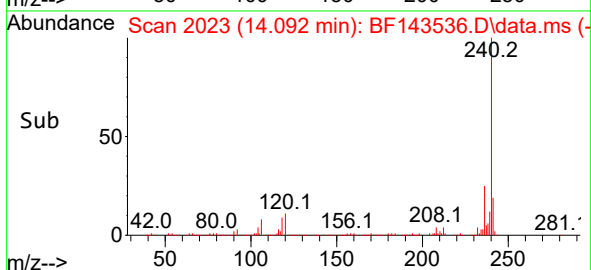
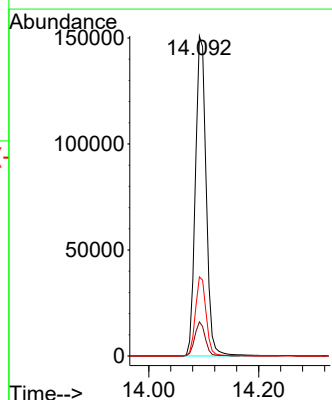
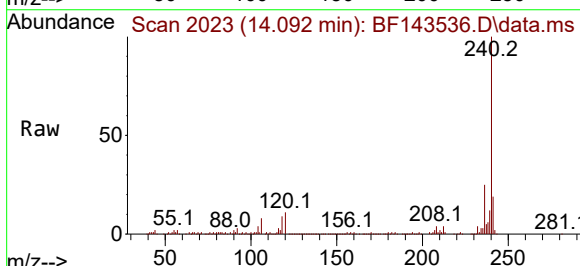
Tgt Ion:240 Resp: 205191

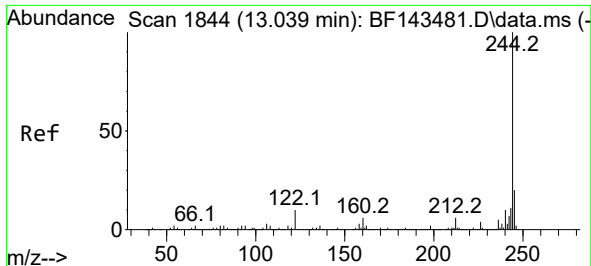
Ion Ratio Lower Upper

240 100

120 10.7 8.6 12.8

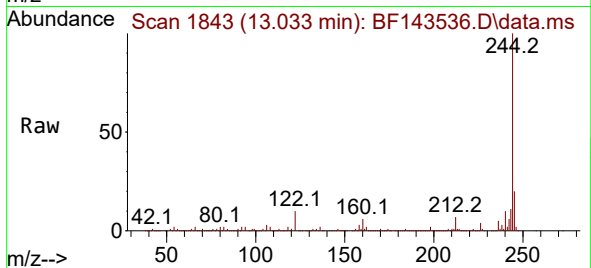
236 24.7 20.4 30.6



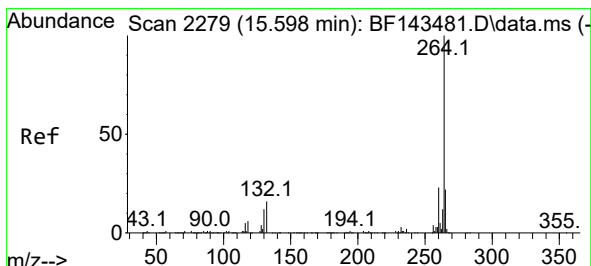
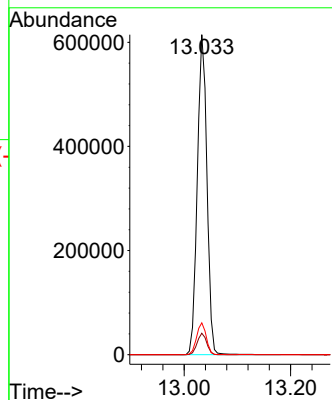
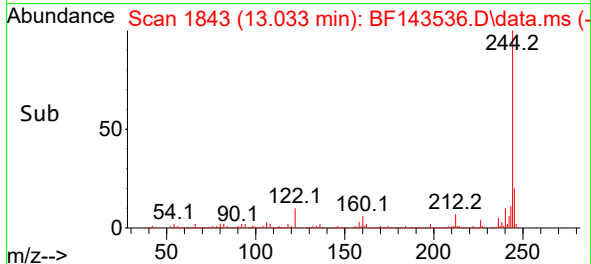


#79
 Terphenyl-d14
 Concen: 65.833 ng
 RT: 13.033 min Scan# 1844
 Delta R.T. -0.006 min
 Lab File: BF143536.D
 Acq: 21 Aug 2025 18:05

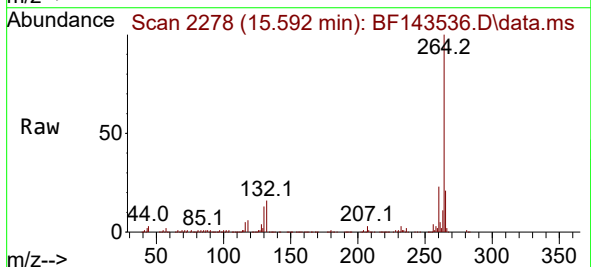
Instrument :
 BNA_F
 ClientSampleId :
 TW-518R-E



Tgt Ion:244 Resp: 774100
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.2 7.8
 122 10.0 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: BF143536.D
 Acq: 21 Aug 2025 18:05



Tgt Ion:264 Resp: 251013
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.7 28.1
 265 20.9 17.6 26.4

