

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
 Data File : BF143532.D
 Acq On : 21 Aug 2025 16:09
 Operator : RC/JU
 Sample : Q2819-06
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 11M-S

Quant Time: Aug 21 16:54:09 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	125064	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	464209	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	240984	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	350001	20.000	ng	0.00
76) Chrysene-d12	14.092	240	235917	20.000	ng	-0.01
86) Perylene-d12	15.592	264	279272	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	583118	81.416	ng	0.00
7) Phenol-d6	6.557	99	734853	83.115	ng	-0.02
23) Nitrobenzene-d5	7.481	82	480789	60.439	ng	-0.02
42) 2,4,6-Tribromophenol	10.751	330	179936	80.214	ng	-0.01
45) 2-Fluorobiphenyl	9.280	172	838627	57.513	ng	0.00
79) Terphenyl-d14	13.033	244	651328	48.178	ng	0.00

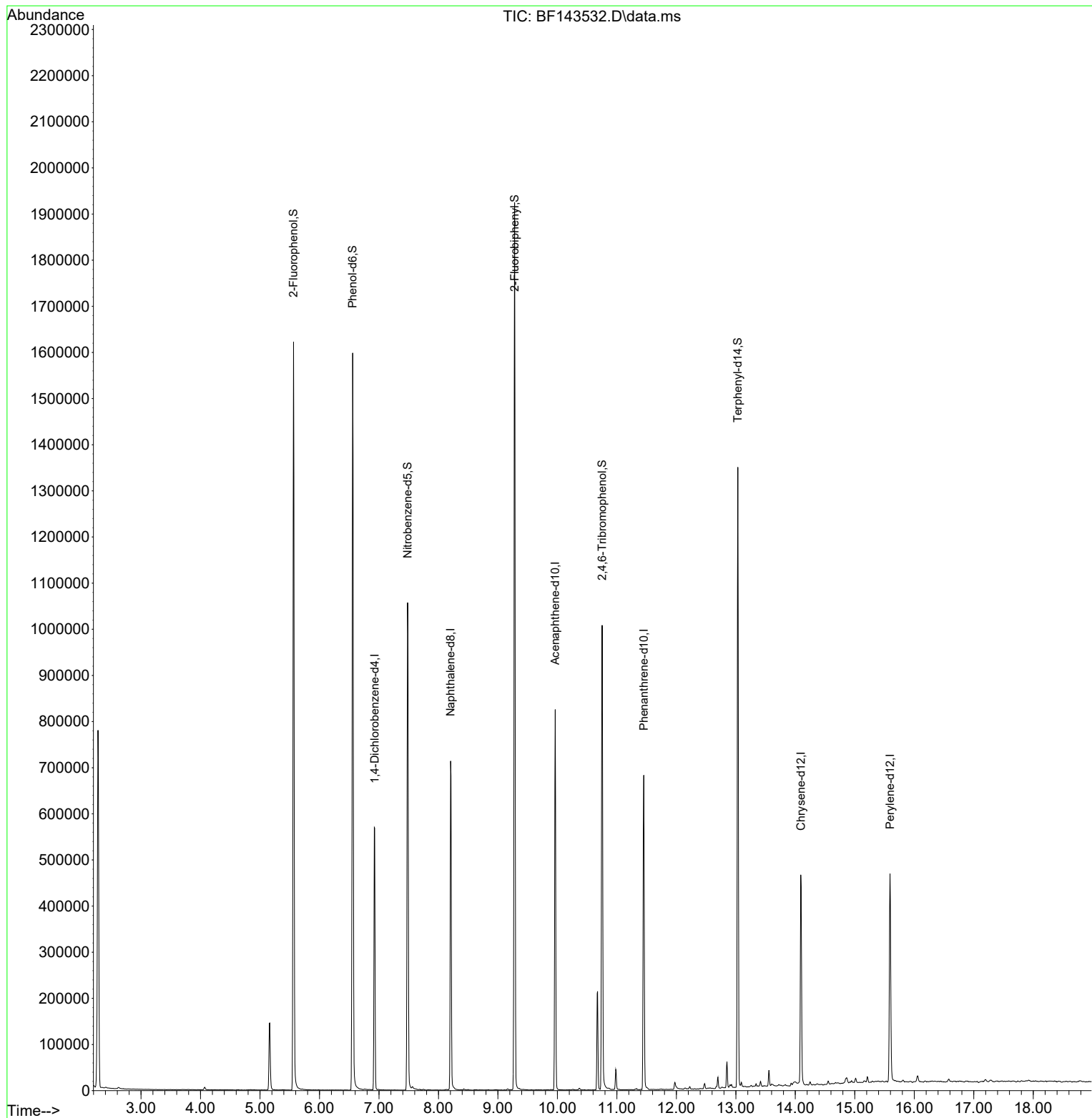
Target Compounds	Qvalue

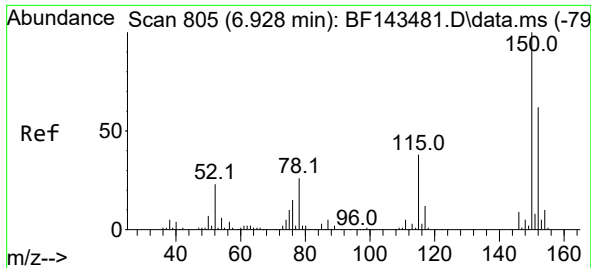
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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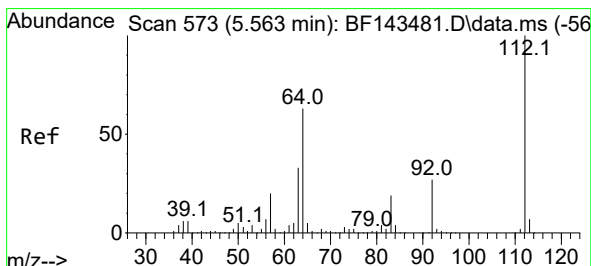
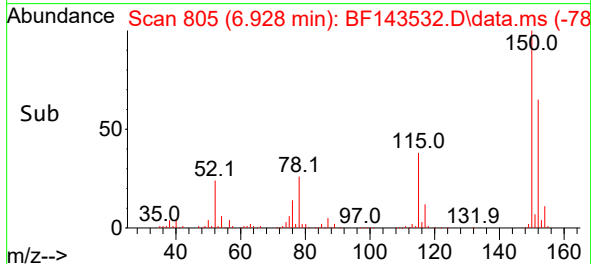
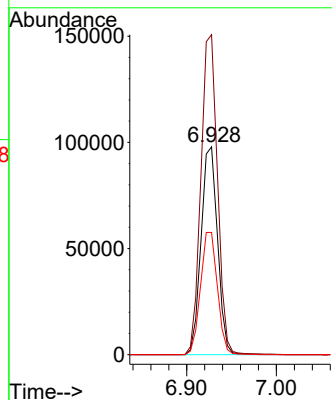
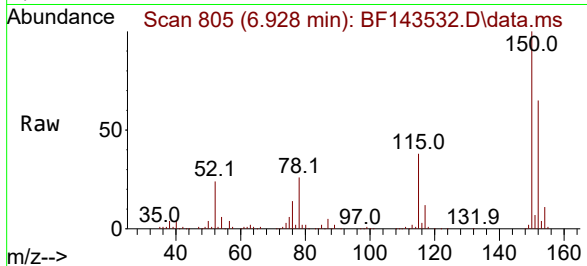




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF143532.D
Acq: 21 Aug 2025 16:09

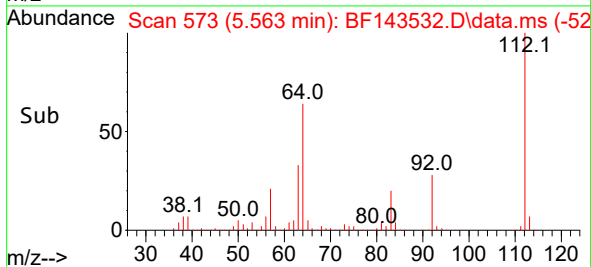
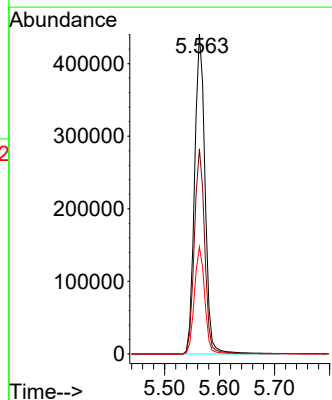
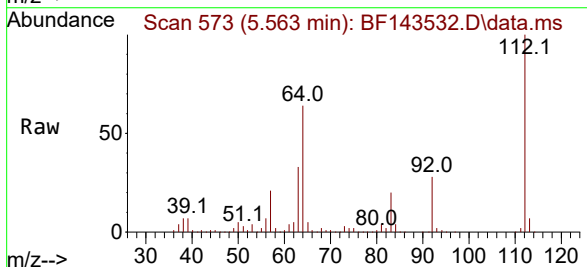
Instrument :
BNA_F
ClientSampleId :
11M-S

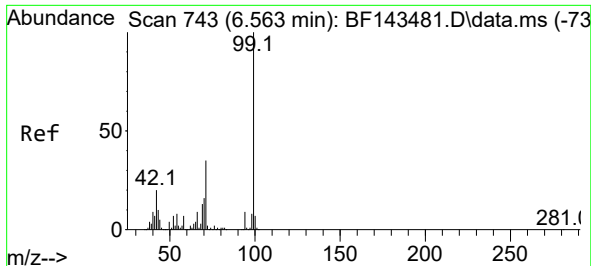
Tgt Ion:152 Resp: 125064
Ion Ratio Lower Upper
152 100
150 154.0 128.9 193.3
115 58.9 49.2 73.8



#5
2-Fluorophenol
Concen: 81.416 ng
RT: 5.563 min Scan# 573
Delta R.T. -0.000 min
Lab File: BF143532.D
Acq: 21 Aug 2025 16:09

Tgt Ion:112 Resp: 583118
Ion Ratio Lower Upper
112 100
64 64.1 50.4 75.6
63 33.5 26.4 39.6

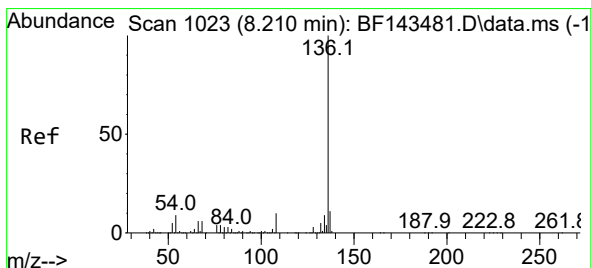
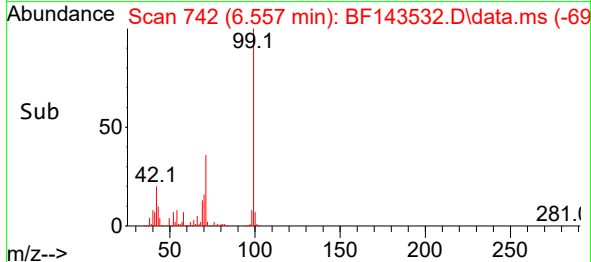
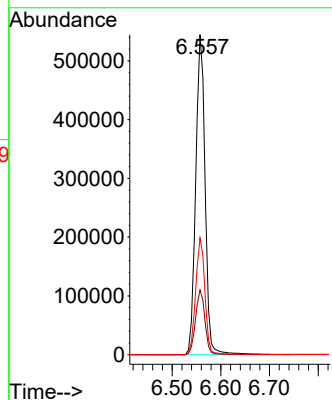
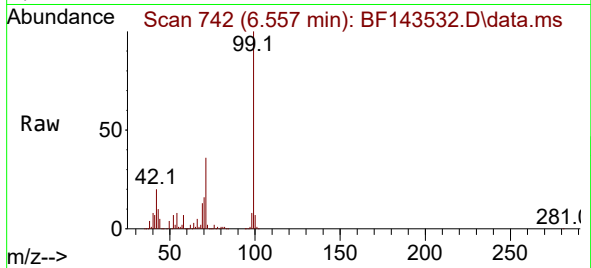




#7
Phenol-d6
Concen: 83.115 ng
RT: 6.557 min Scan# 743
Delta R.T. -0.018 min
Lab File: BF143532.D
Acq: 21 Aug 2025 16:09

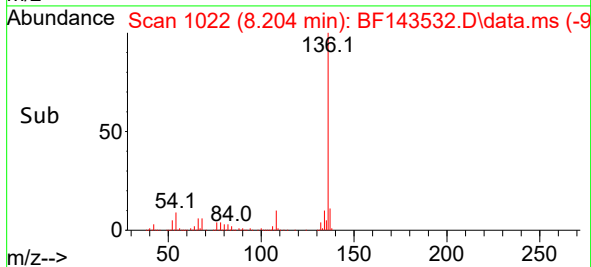
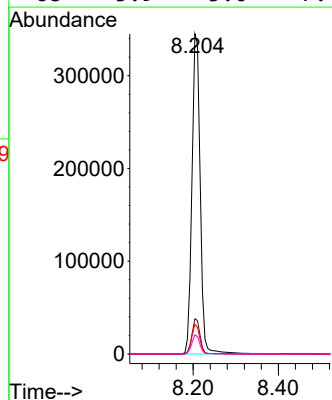
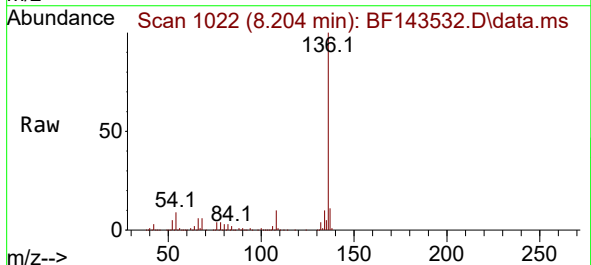
Instrument :
BNA_F
ClientSampleId :
11M-S

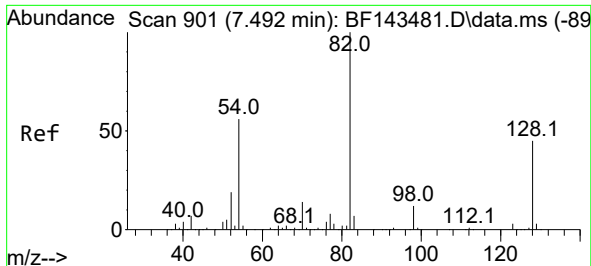
Tgt Ion: 99 Resp: 734853
Ion Ratio Lower Upper
99 100
42 20.3 16.3 24.5
71 36.5 28.2 42.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF143532.D
Acq: 21 Aug 2025 16:09

Tgt Ion: 136 Resp: 464209
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 9.3 7.4 11.2
68 5.9 5.0 7.4

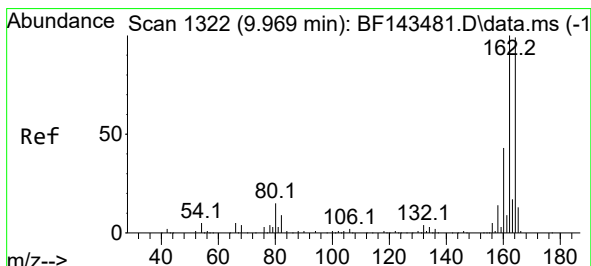
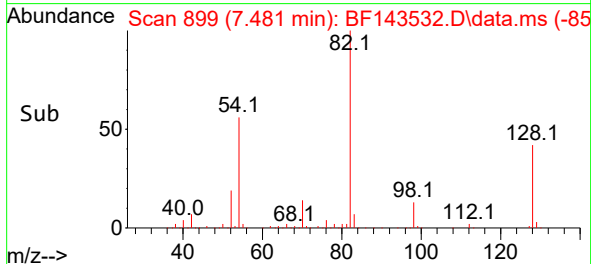
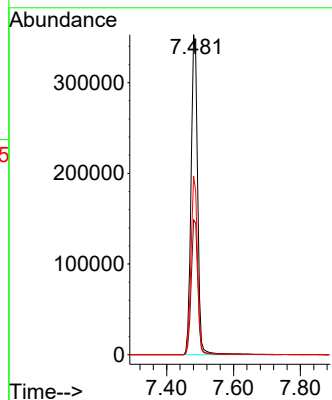
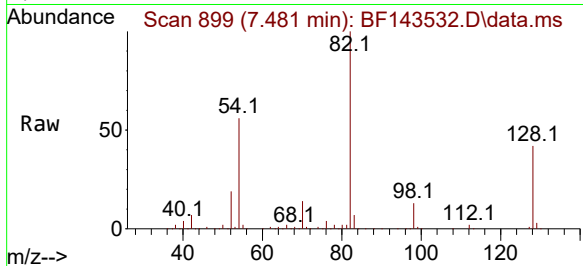




#23
Nitrobenzene-d5
Concen: 60.439 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.018 min
Lab File: BF143532.D
Acq: 21 Aug 2025 16:09

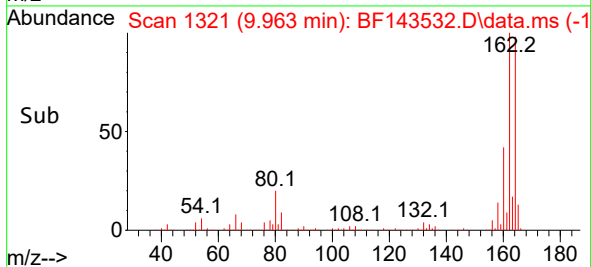
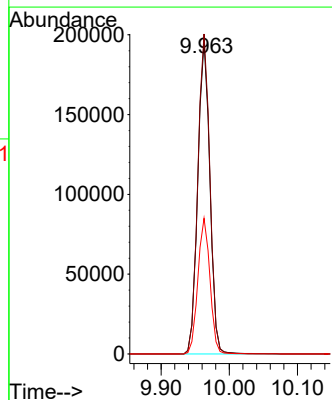
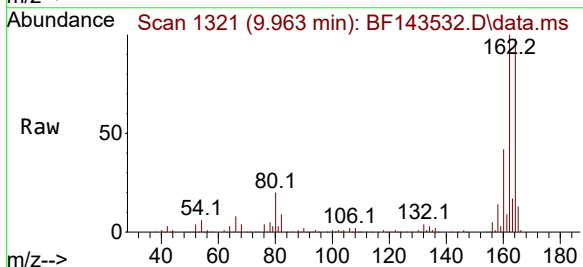
Instrument :
BNA_F
ClientSampleId :
11M-S

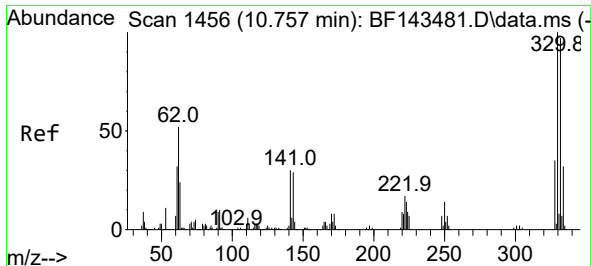
Tgt Ion: 82 Resp: 480789
Ion Ratio Lower Upper
82 100
128 42.1 35.5 53.3
54 55.7 44.3 66.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF143532.D
Acq: 21 Aug 2025 16:09

Tgt Ion:164 Resp: 240984
Ion Ratio Lower Upper
164 100
162 102.5 80.5 120.7
160 43.5 34.3 51.5





#42

2,4,6-Tribromophenol

Concen: 80.214 ng

RT: 10.751 min Scan# 1456

Delta R.T. -0.012 min

Lab File: BF143532.D

Acq: 21 Aug 2025 16:09

Instrument :

BNA_F

ClientSampleId :

11M-S

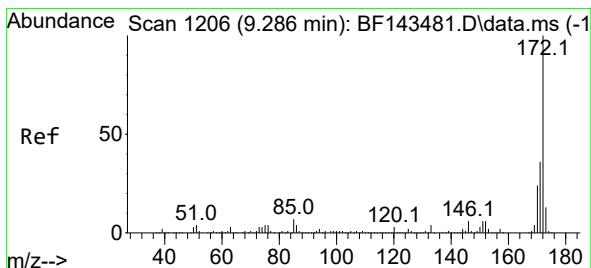
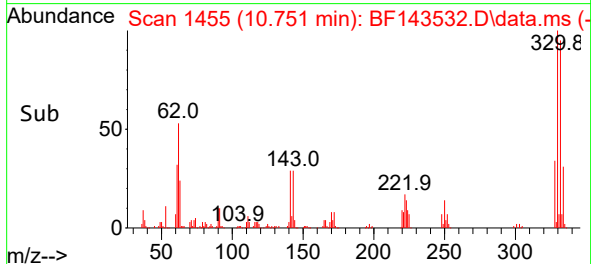
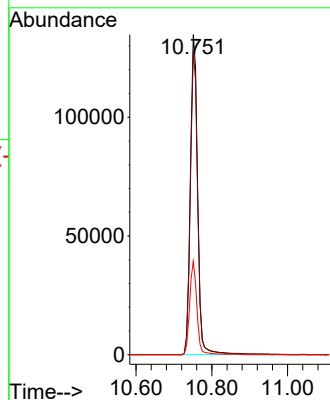
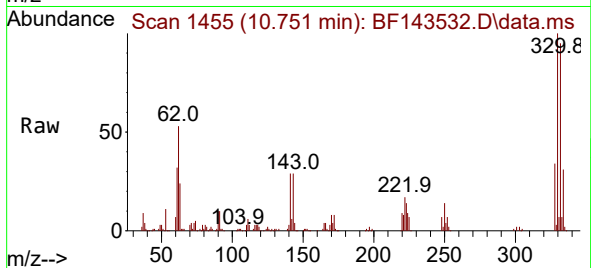
Tgt Ion:330 Resp: 179936

Ion Ratio Lower Upper

330 100

332 94.3 78.0 117.0

141 29.0 23.7 35.5



#45

2-Fluorobiphenyl

Concen: 57.513 ng

RT: 9.280 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF143532.D

Acq: 21 Aug 2025 16:09

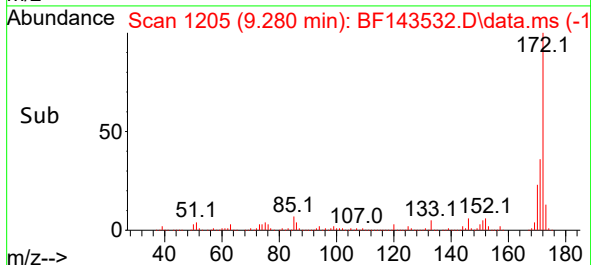
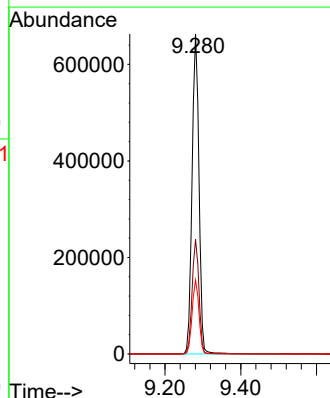
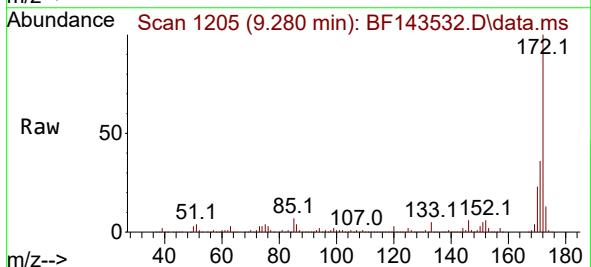
Tgt Ion:172 Resp: 838627

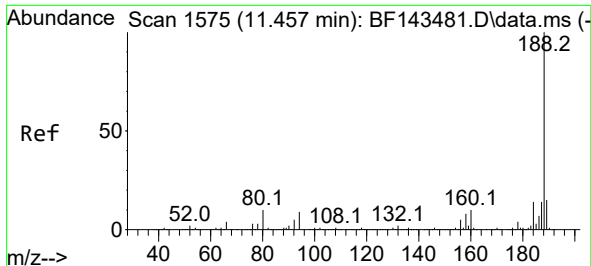
Ion Ratio Lower Upper

172 100

171 35.8 28.8 43.2

170 23.1 18.8 28.2

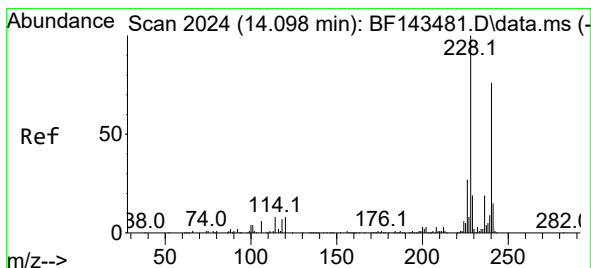
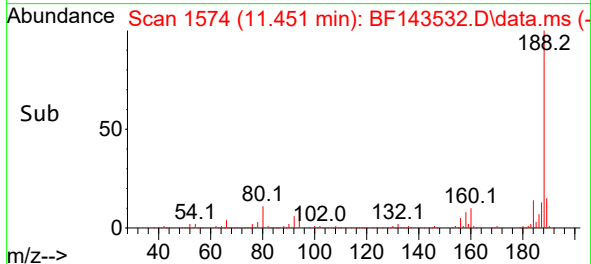
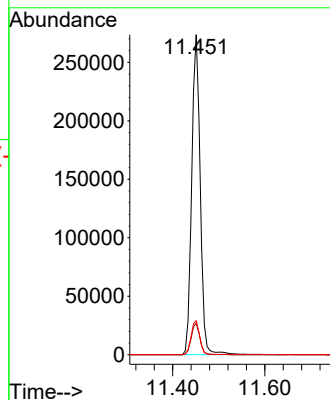
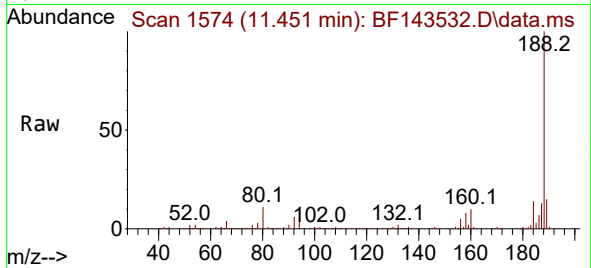




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143532.D
Acq: 21 Aug 2025 16:09

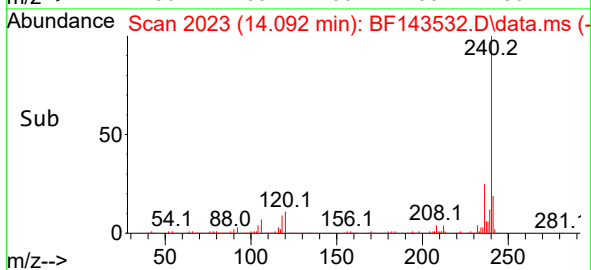
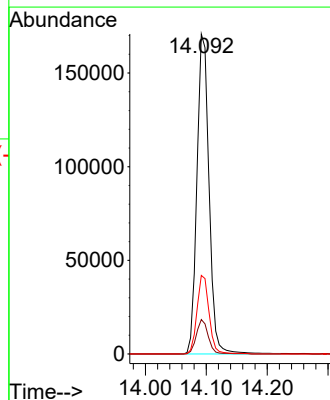
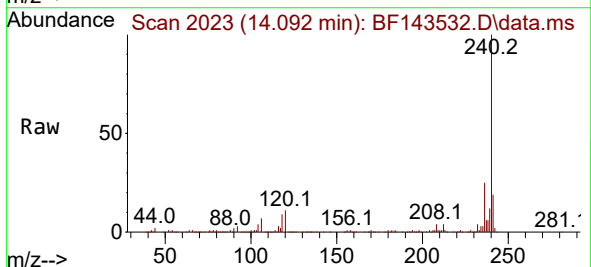
Instrument :
BNA_F
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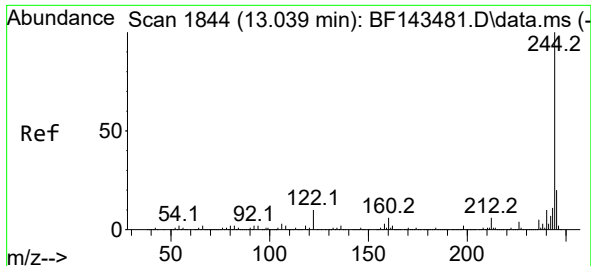
Tgt Ion:188 Resp: 350001
Ion Ratio Lower Upper
188 100
94 9.9 7.4 11.2
80 10.6 8.2 12.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2023
Delta R.T. -0.012 min
Lab File: BF143532.D
Acq: 21 Aug 2025 16:09

Tgt Ion:240 Resp: 235917
Ion Ratio Lower Upper
240 100
120 10.8 8.6 12.8
236 24.6 20.4 30.6

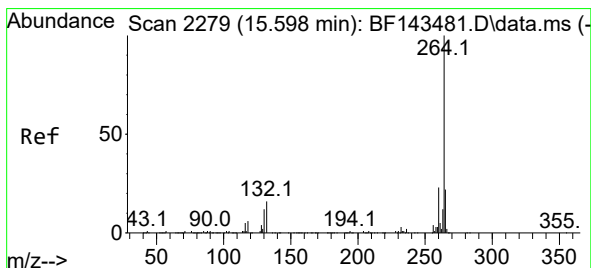
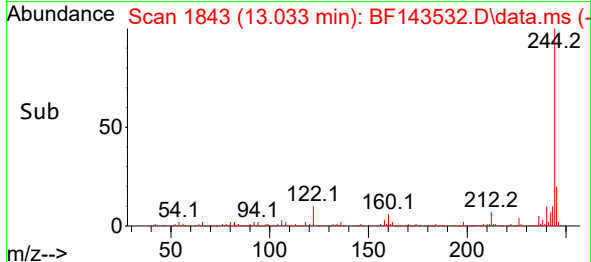
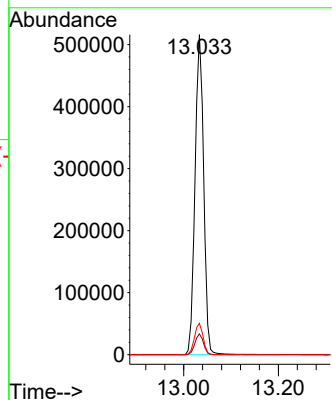
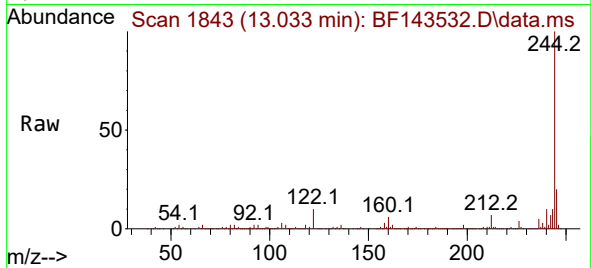




#79
 Terphenyl-d14
 Concen: 48.178 ng
 RT: 13.033 min Scan# 1844
 Delta R.T. -0.006 min
 Lab File: BF143532.D
 Acq: 21 Aug 2025 16:09

Instrument :
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 11M-S

Tgt Ion:244 Resp: 651328
 Ion Ratio Lower Upper
 244 100
 212 6.5 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: BF143532.D
 Acq: 21 Aug 2025 16:09

Tgt Ion:264 Resp: 279272
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.7 28.1
 265 21.2 17.6 26.4

