

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
 Data File : BF143520.D
 Acq On : 21 Aug 2025 10:20
 Operator : RC/JU
 Sample : Q2820-24
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 22M-S

Quant Time: Aug 21 11:46:04 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)

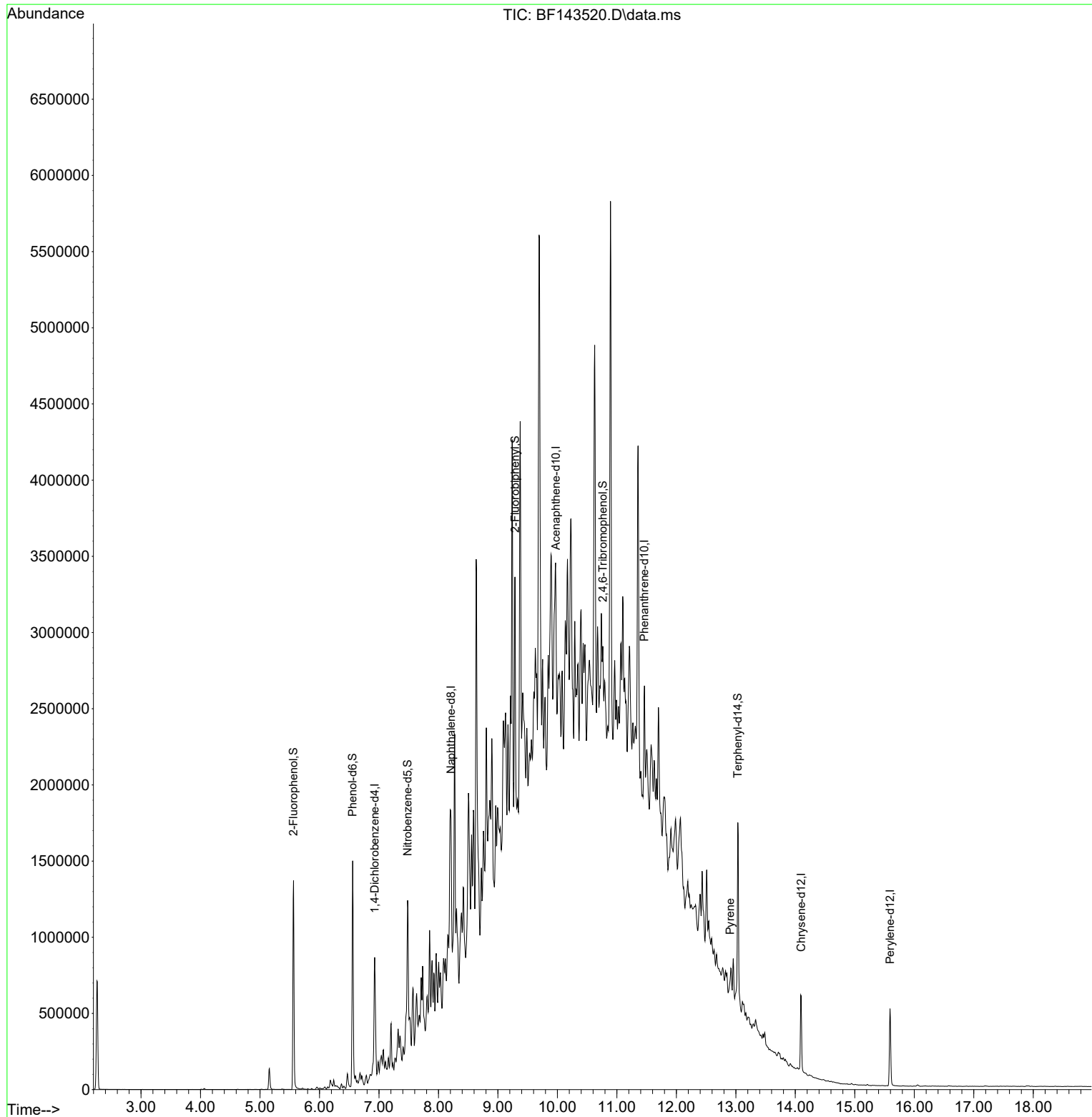
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	140577	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	460701	20.000	ng	# 0.00
39) Acenaphthene-d10	9.975	164	218945	20.000	ng	0.00
64) Phenanthrene-d10	11.463	188	310989	20.000	ng	0.00
76) Chrysene-d12	14.098	240	255701	20.000	ng	0.00
86) Perylene-d12	15.592	264	303433	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	503975	62.601	ng	0.00
7) Phenol-d6	6.557	99	667550	67.171	ng	-0.02
23) Nitrobenzene-d5	7.481	82	447042	56.625	ng	-0.02
42) 2,4,6-Tribromophenol	10.763	330	119411	58.591	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	695170	52.474	ng	0.00
79) Terphenyl-d14	13.033	244	554554	37.846	ng	0.00
Target Compounds						
78) Pyrene	12.904	202	63239	3.007	ng	# 86

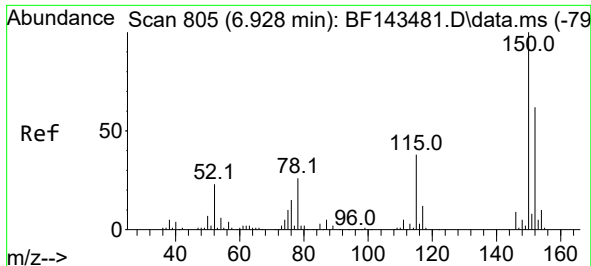
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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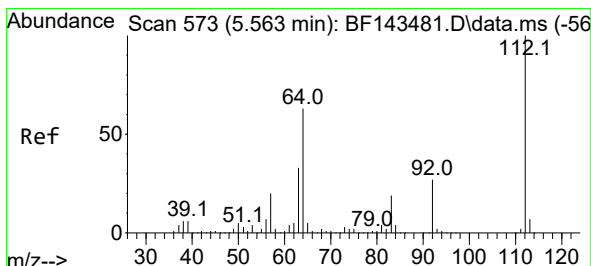
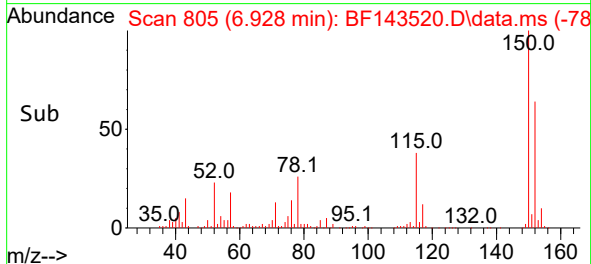
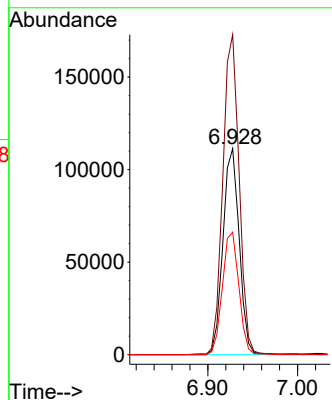
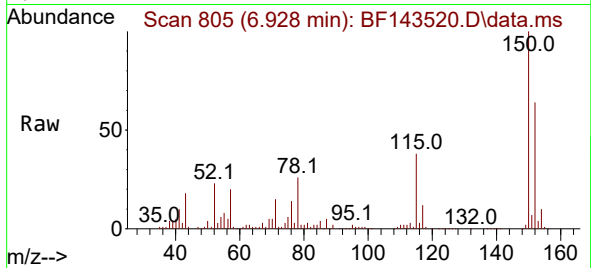




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF143520.D
Acq: 21 Aug 2025 10:20

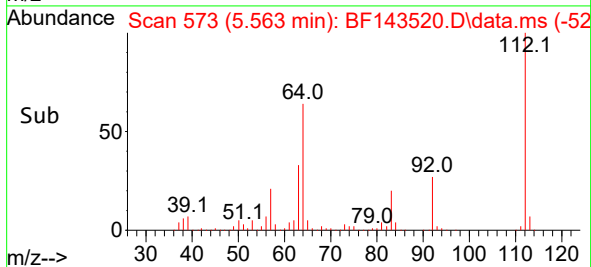
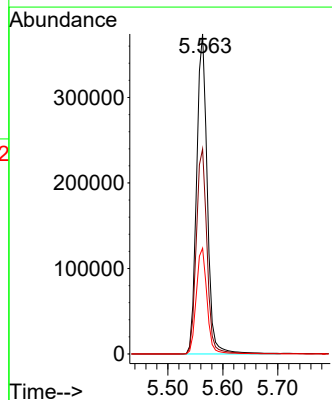
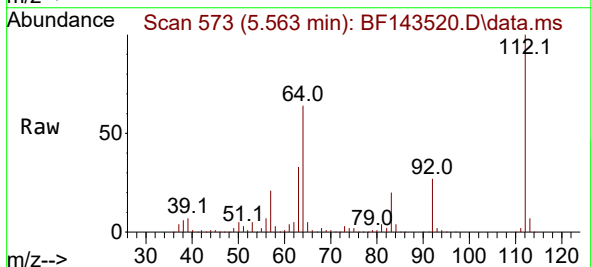
Instrument :
BNA_F
ClientSampleId :
22M-S

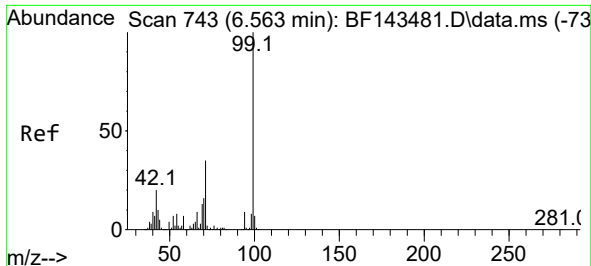
Tgt Ion:152 Resp: 140577
Ion Ratio Lower Upper
152 100
150 155.3 128.9 193.3
115 59.5 49.2 73.8



#5
2-Fluorophenol
Concen: 62.601 ng
RT: 5.563 min Scan# 573
Delta R.T. -0.000 min
Lab File: BF143520.D
Acq: 21 Aug 2025 10:20

Tgt Ion:112 Resp: 503975
Ion Ratio Lower Upper
112 100
64 64.0 50.4 75.6
63 33.0 26.4 39.6

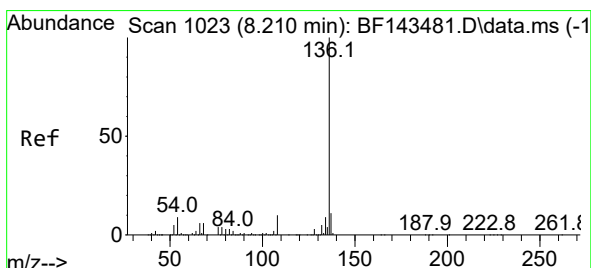
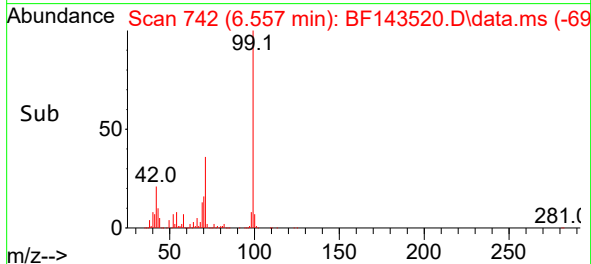
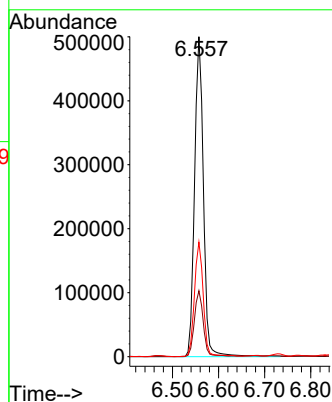
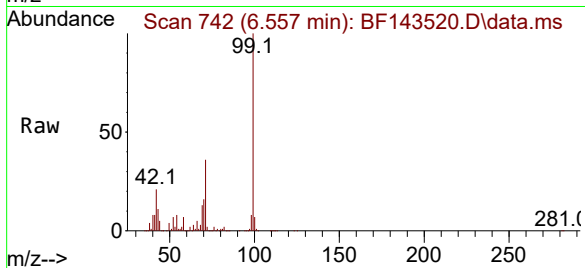




#7
Phenol-d6
Concen: 67.171 ng
RT: 6.557 min Scan# 743
Delta R.T. -0.018 min
Lab File: BF143520.D
Acq: 21 Aug 2025 10:20

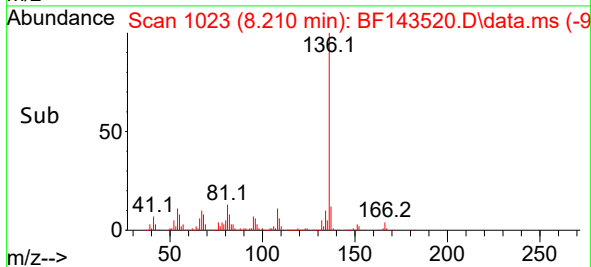
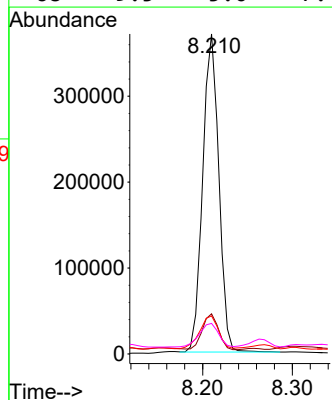
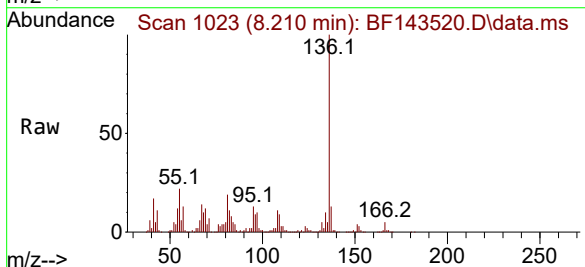
Instrument :
BNA_F
ClientSampleId :
22M-S

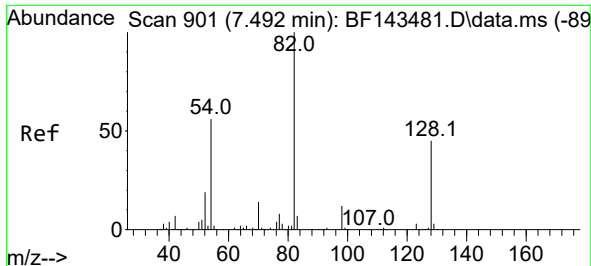
Tgt Ion: 99 Resp: 667550
Ion Ratio Lower Upper
99 100
42 20.6 16.3 24.5
71 35.8 28.2 42.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF143520.D
Acq: 21 Aug 2025 10:20

Tgt Ion: 136 Resp: 460701
Ion Ratio Lower Upper
136 100
137 12.6 9.0 13.4
54 11.9 7.4 11.2#
68 9.5 5.0 7.4#





#23

Nitrobenzene-d5

Concen: 56.625 ng

RT: 7.481 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF143520.D

Acq: 21 Aug 2025 10:20

Instrument :

BNA_F

ClientSampleId :

22M-S

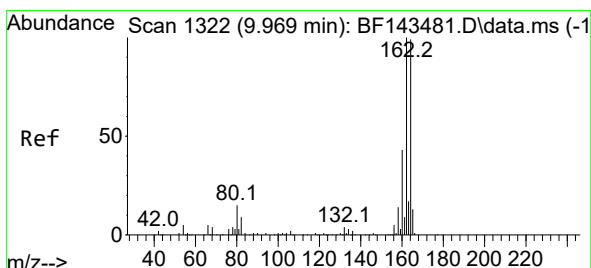
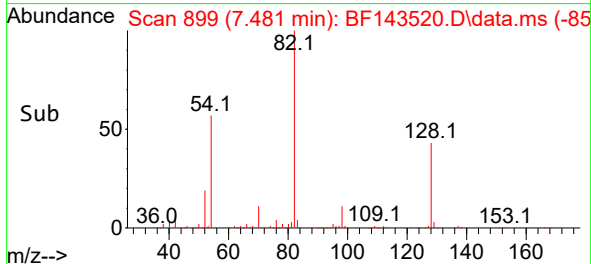
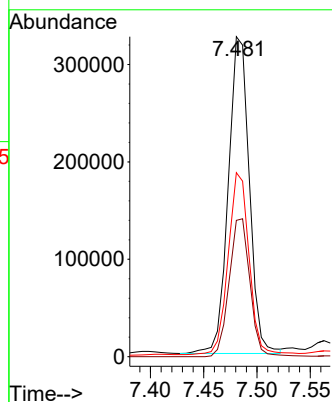
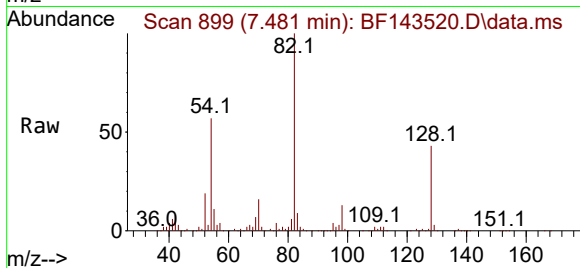
Tgt Ion: 82 Resp: 447042

Ion Ratio Lower Upper

82 100

128 42.6 35.5 53.3

54 57.5 44.3 66.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.975 min Scan# 1323

Delta R.T. 0.006 min

Lab File: BF143520.D

Acq: 21 Aug 2025 10:20

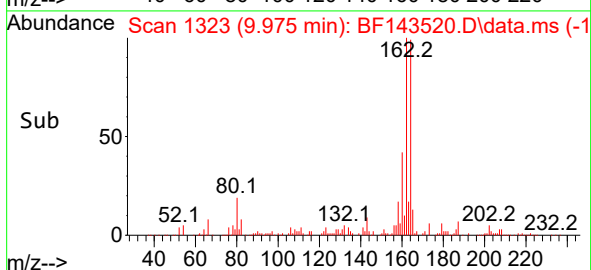
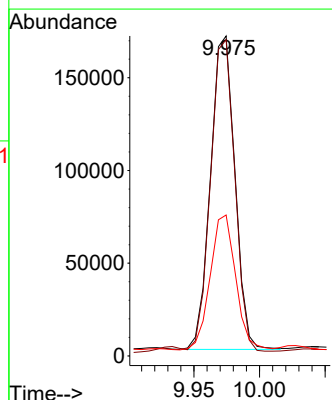
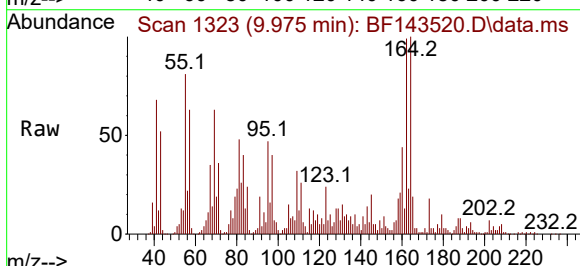
Tgt Ion:164 Resp: 218945

Ion Ratio Lower Upper

164 100

162 98.9 80.5 120.7

160 44.0 34.3 51.5

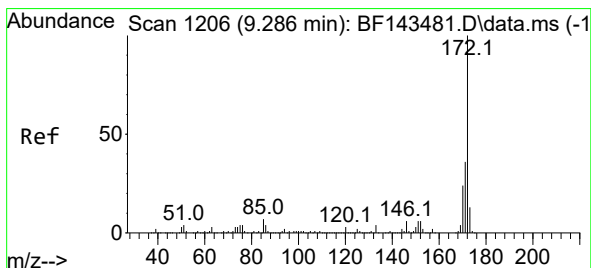
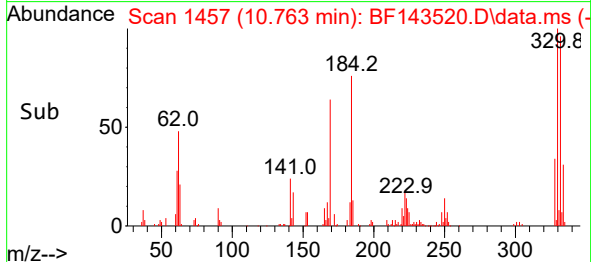
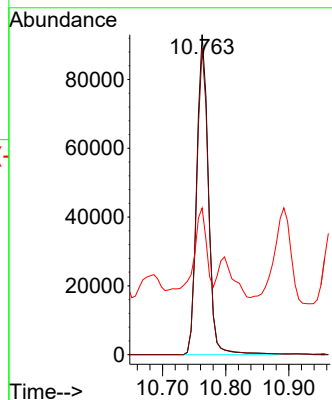
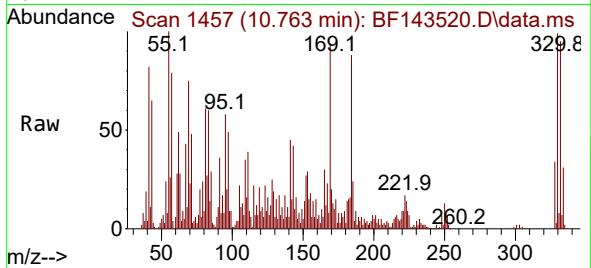




#42
2,4,6-Tribromophenol
Concen: 58.591 ng
RT: 10.763 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BF143520.D
Acq: 21 Aug 2025 10:20

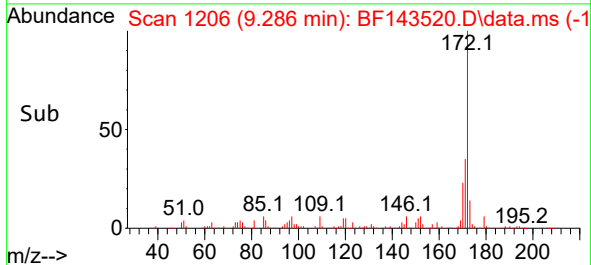
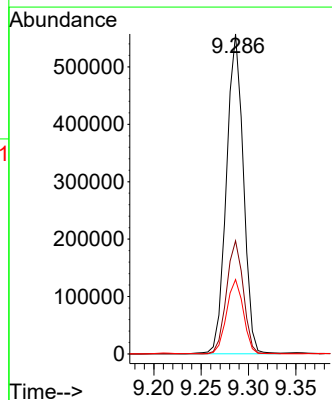
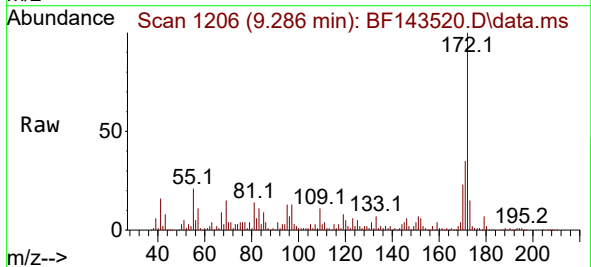
Instrument :
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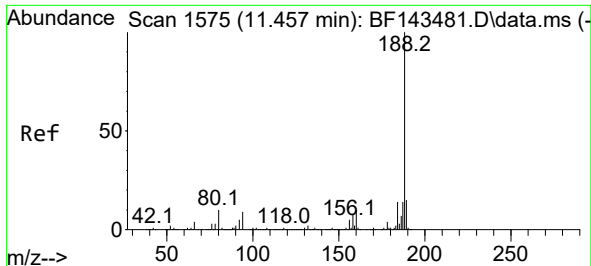
Tgt Ion:330 Resp: 119411
Ion Ratio Lower Upper
330 100
332 96.8 78.0 117.0
141 23.9 23.7 35.5



#45
2-Fluorobiphenyl
Concen: 52.474 ng
RT: 9.286 min Scan# 1206
Delta R.T. -0.000 min
Lab File: BF143520.D
Acq: 21 Aug 2025 10:20

Tgt Ion:172 Resp: 695170
Ion Ratio Lower Upper
172 100
171 35.4 28.8 43.2
170 23.3 18.8 28.2

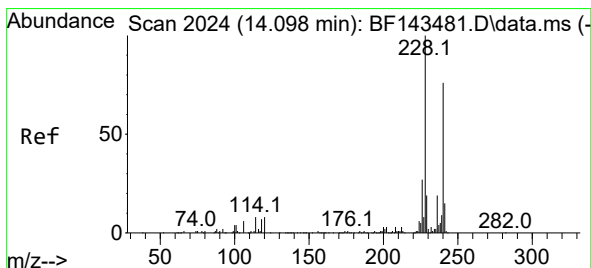
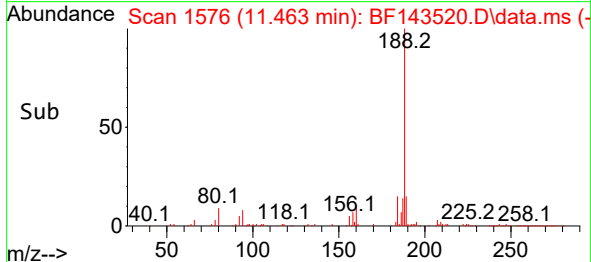
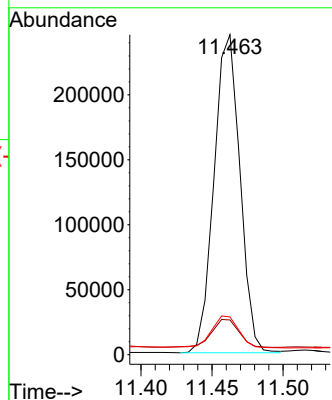
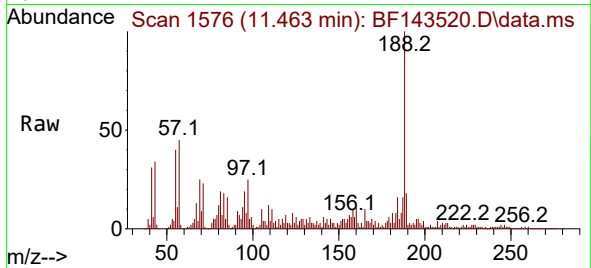




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.463 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143520.D
Acq: 21 Aug 2025 10:20

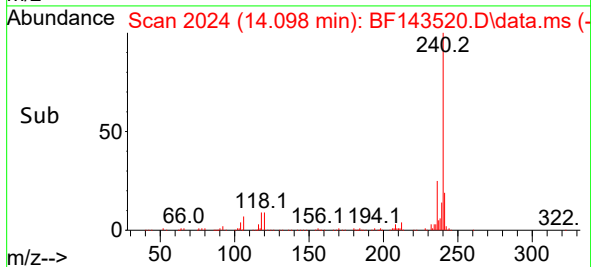
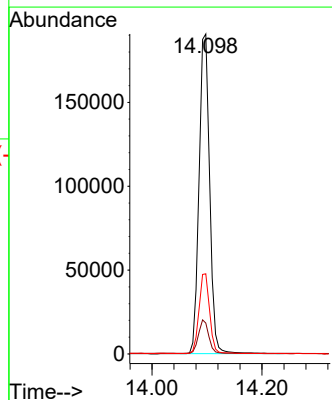
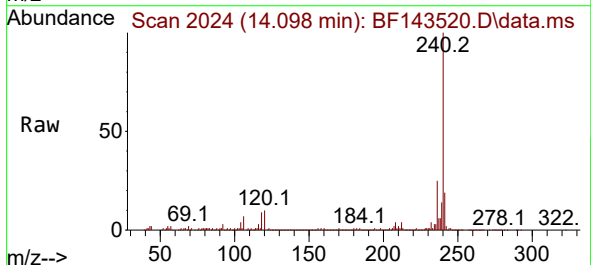
Instrument :
BNA_F
ClientSampleId :
22M-S

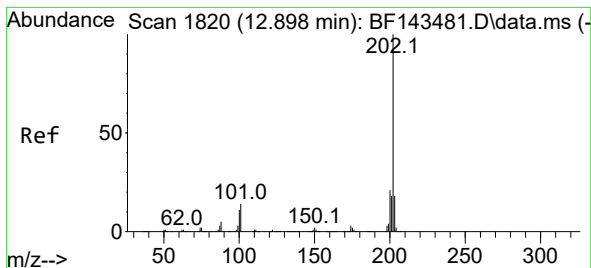
Tgt Ion:188 Resp: 310989
Ion Ratio Lower Upper
188 100
94 10.9 7.4 11.2
80 11.8 8.2 12.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF143520.D
Acq: 21 Aug 2025 10:20

Tgt Ion:240 Resp: 255701
Ion Ratio Lower Upper
240 100
120 9.6 8.6 12.8
236 25.0 20.4 30.6





#78

Pyrene

Concen: 3.007 ng

RT: 12.904 min Scan# 1821

Delta R.T. -0.000 min

Lab File: BF143520.D

Acq: 21 Aug 2025 10:20

Instrument :

BNA_F

ClientSampleId :

22M-S

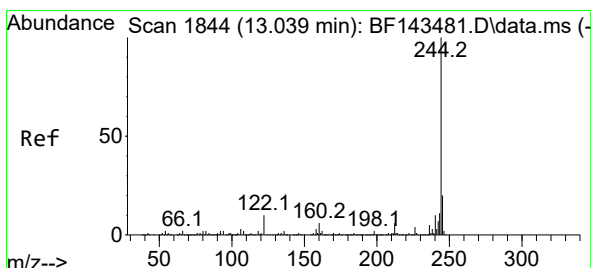
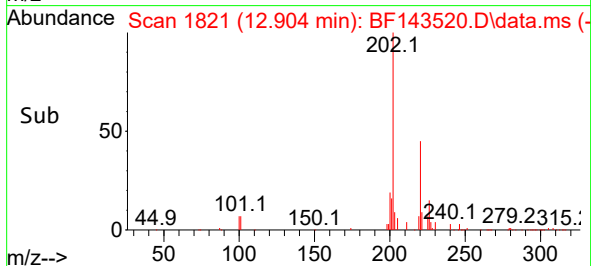
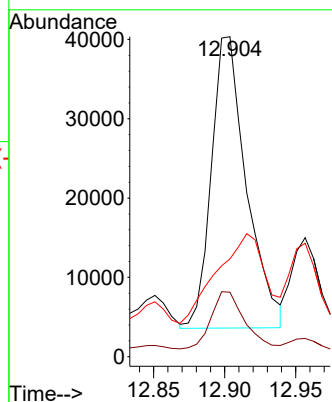
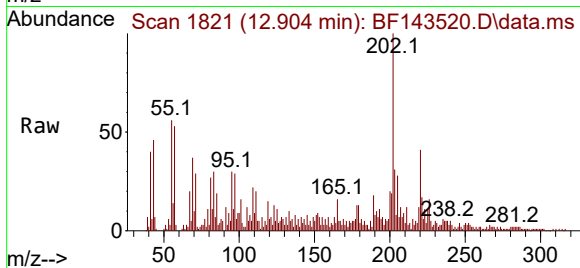
Tgt Ion:202 Resp: 63239

Ion Ratio Lower Upper

202 100

200 20.2 17.0 25.4

203 30.6 14.3 21.5#



#79

Terphenyl-d14

Concen: 37.846 ng

RT: 13.033 min Scan# 1843

Delta R.T. -0.006 min

Lab File: BF143520.D

Acq: 21 Aug 2025 10:20

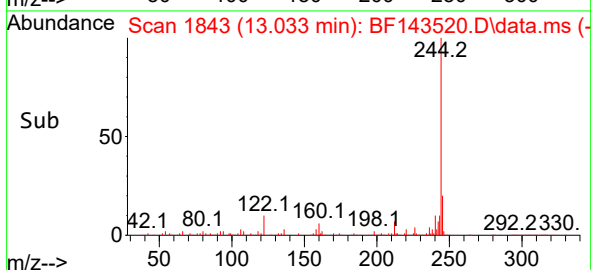
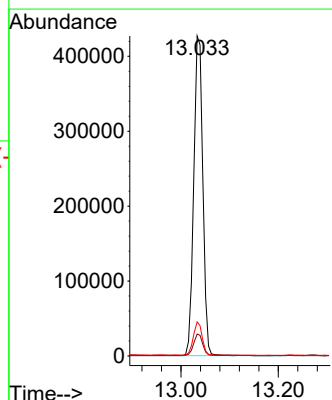
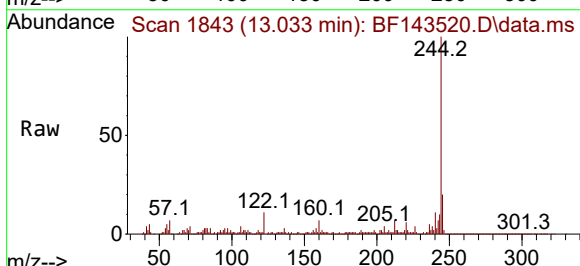
Tgt Ion:244 Resp: 554554

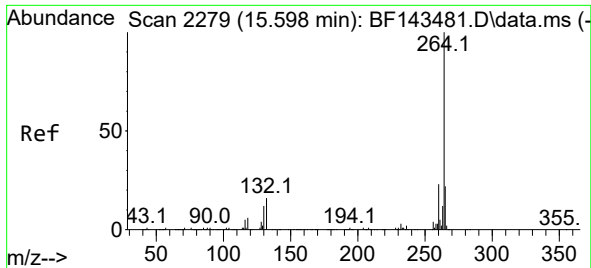
Ion Ratio Lower Upper

244 100

212 6.8 5.2 7.8

122 10.7 7.9 11.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.592 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143520.D
Acq: 21 Aug 2025 10:20

Instrument :
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ClientSampleId :
22M-S

Tgt Ion:264 Resp: 303433
Ion Ratio Lower Upper
264 100
260 23.6 18.7 28.1
265 21.4 17.6 26.4

