

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
 Data File : BF143530.D
 Acq On : 21 Aug 2025 15:11
 Operator : RC/JU
 Sample : Q2819-10RE
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 84SB-SRE

Quant Time: Aug 21 15:50:19 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)

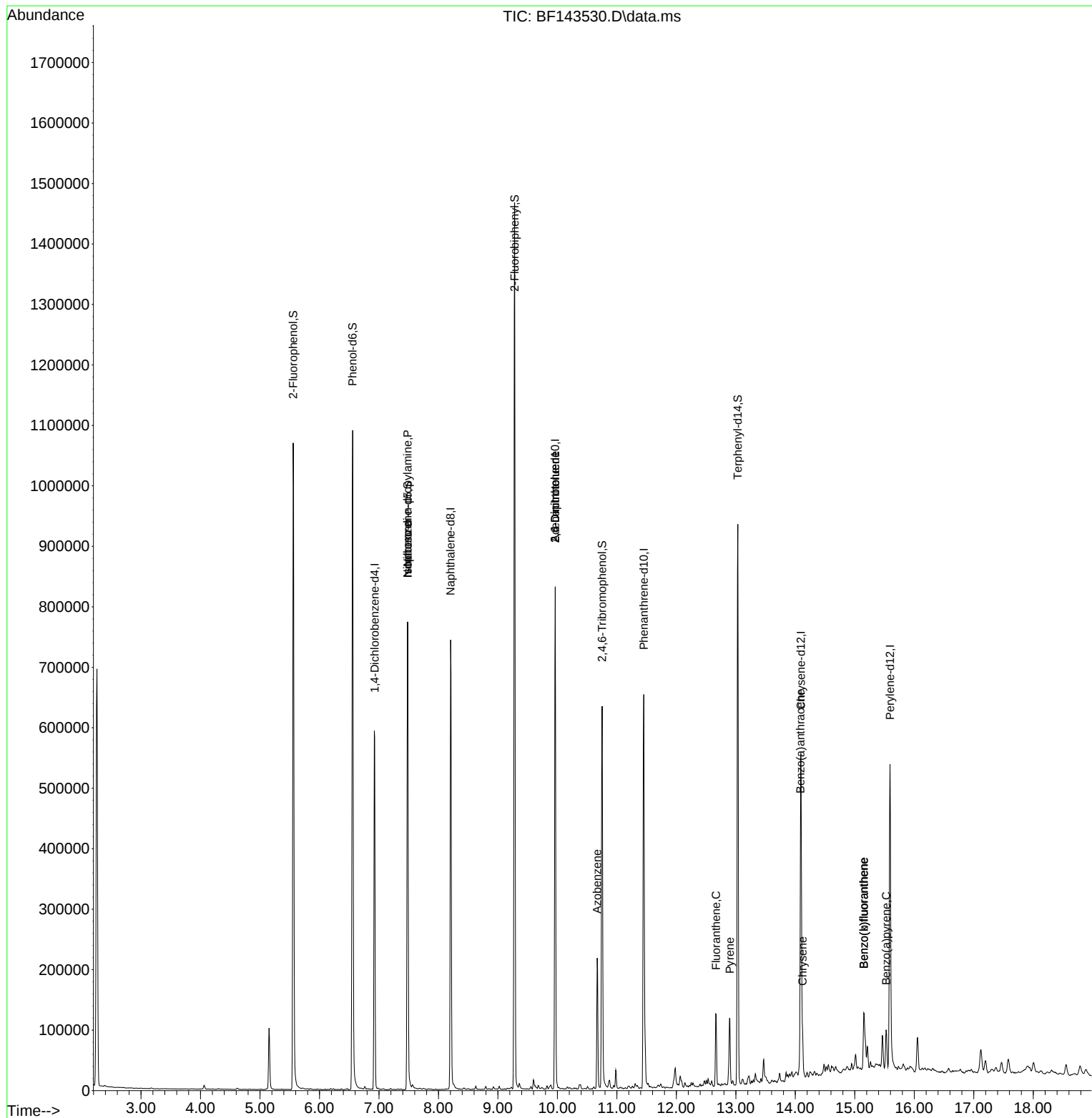
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	128328	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	480515	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	247608	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	332938	20.000	ng	0.00
76) Chrysene-d12	14.092	240	239904	20.000	ng	-0.01
86) Perylene-d12	15.592	264	296752	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	407971	55.513	ng	0.00
7) Phenol-d6	6.557	99	501868	55.320	ng	-0.02
23) Nitrobenzene-d5	7.481	82	336782	40.900	ng	-0.02
42) 2,4,6-Tribromophenol	10.751	330	109467	47.494	ng	-0.01
45) 2-Fluorobiphenyl	9.281	172	637584	42.556	ng	0.00
79) Terphenyl-d14	13.033	244	454012	33.024	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.481	70	44763	8.073	ng	# 79
25) Isophorone	7.481	82	321579	21.305	ng	# 65
51) 2,6-Dinitrotoluene	9.963	165	31578	10.217	ng	# 26
57) 2,4-Dinitrotoluene	9.963	165	31578	7.652	ng	# 26
63) Azobenzene	10.669	77	54866	3.958	ng	# 1
75) Fluoranthene	12.669	202	69507	4.345	ng	99
78) Pyrene	12.898	202	64191	3.253	ng	99
81) Benzo(a)anthracene	14.086	228	34552	2.237	ng	96
83) Chrysene	14.122	228	39660	2.857	ng	96
88) Benzo(b)fluoranthene	15.151	252	82519	5.003	ng	99
89) Benzo(k)fluoranthene	15.151	252	82519	5.225	ng	99
90) Benzo(a)pyrene	15.527	252	38651	2.524	ng	96

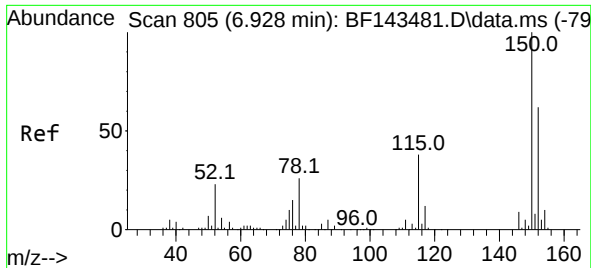
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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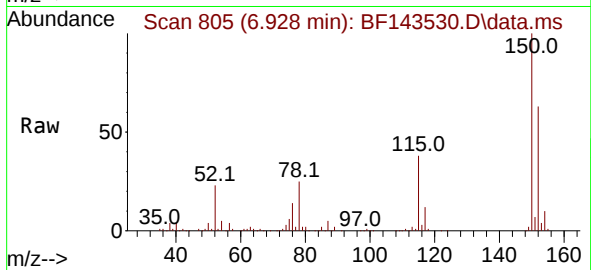
Quant Time: Aug 21 15:50:19 2025
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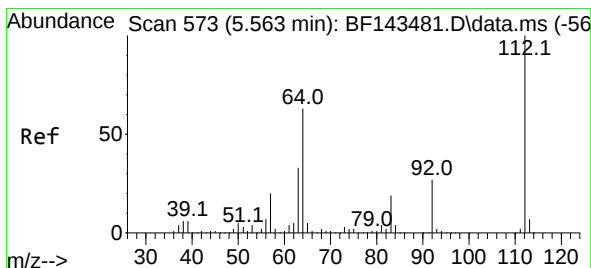
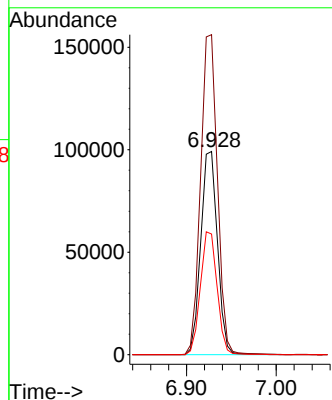
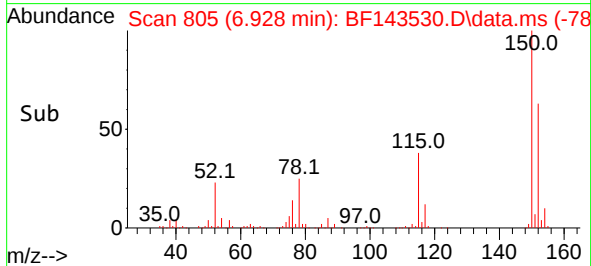


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF143530.D
Acq: 21 Aug 2025 15:11

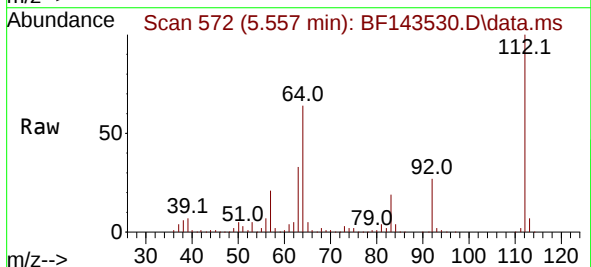
Instrument :
BNA_F
ClientSampleId :
84SB-SRE



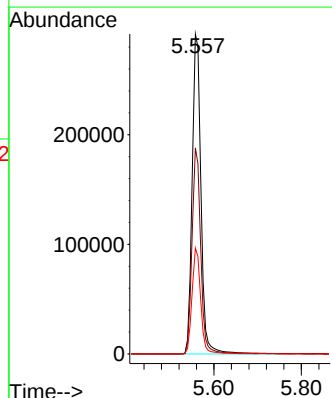
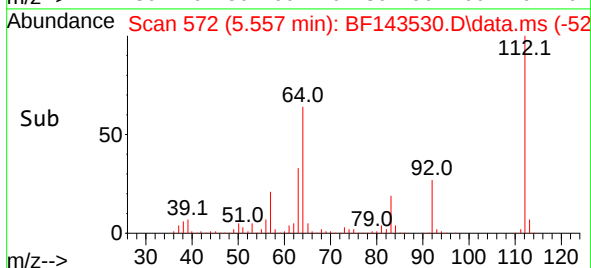
Tgt Ion:152 Resp: 128328
Ion Ratio Lower Upper
152 100
150 157.5 128.9 193.3
115 59.4 49.2 73.8

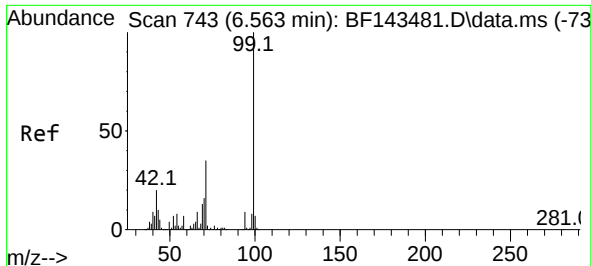


#5
2-Fluorophenol
Concen: 55.513 ng
RT: 5.557 min Scan# 572
Delta R.T. -0.006 min
Lab File: BF143530.D
Acq: 21 Aug 2025 15:11



Tgt Ion:112 Resp: 407971
Ion Ratio Lower Upper
112 100
64 64.4 50.4 75.6
63 33.1 26.4 39.6

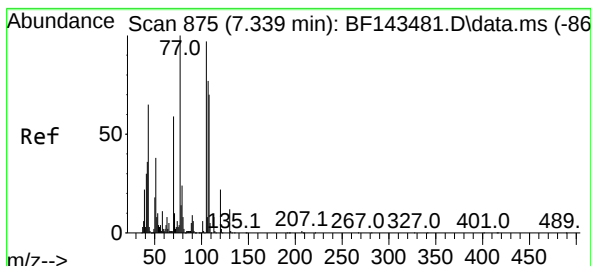
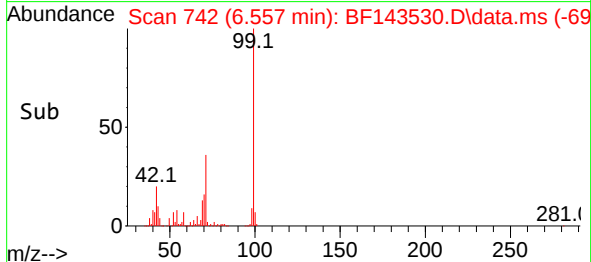
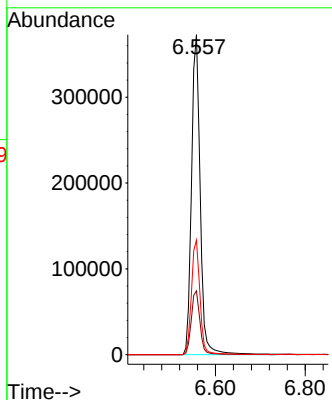
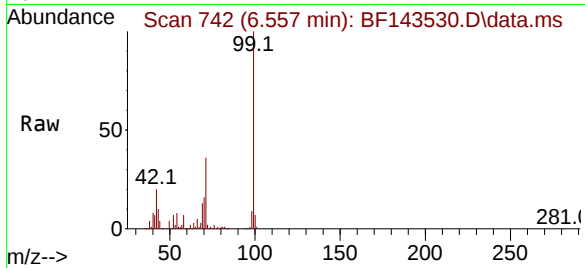




#7
Phenol-d6
Concen: 55.320 ng
RT: 6.557 min Scan# 743
Delta R.T. -0.018 min
Lab File: BF143530.D
Acq: 21 Aug 2025 15:11

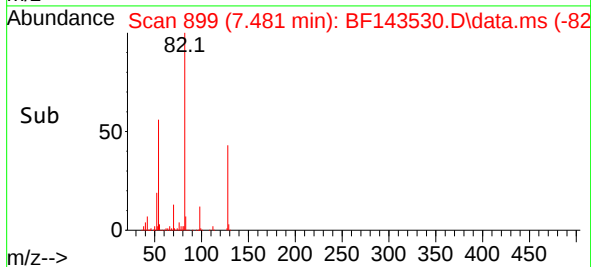
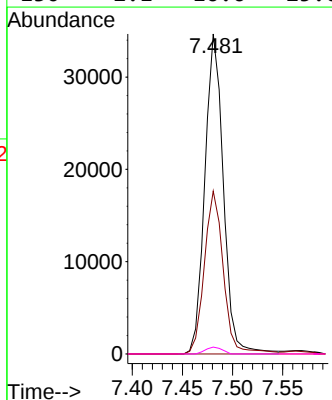
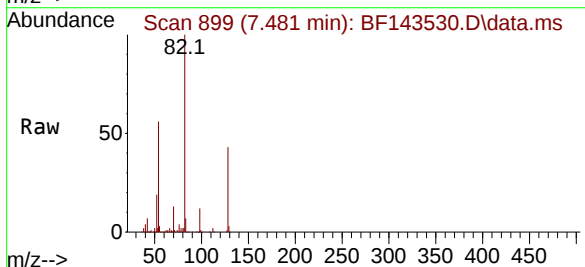
Instrument :
BNA_F
ClientSampleId :
84SB-SRE

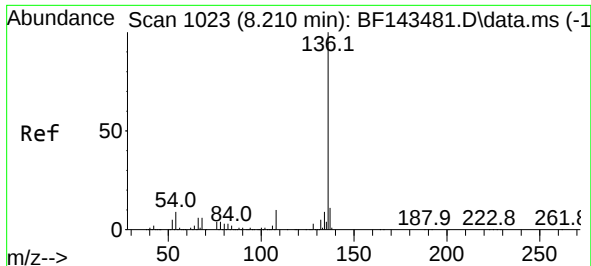
Tgt Ion: 99 Resp: 501868
Ion Ratio Lower Upper
99 100
42 19.9 16.3 24.5
71 35.8 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 8.073 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.129 min
Lab File: BF143530.D
Acq: 21 Aug 2025 15:11

Tgt Ion: 70 Resp: 44763
Ion Ratio Lower Upper
70 100
42 50.9 49.3 73.9
101 0.0 7.8 11.8#
130 2.1 16.6 25.0#



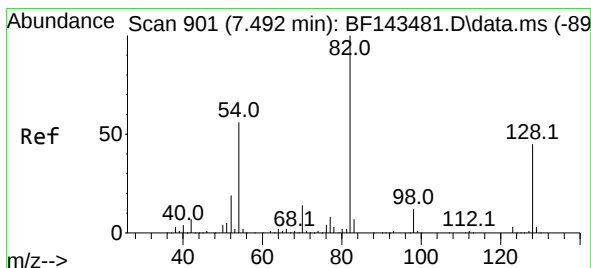
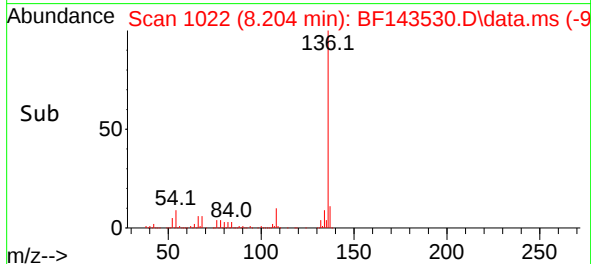
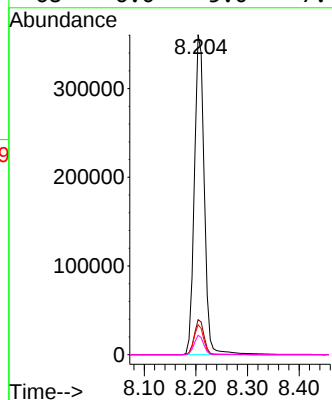
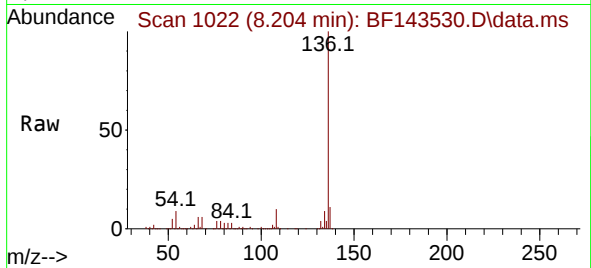


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF143530.D
Acq: 21 Aug 2025 15:11

Instrument :
BNA_F
ClientSampleId :
84SB-SRE

Tgt Ion:136 Resp: 480515

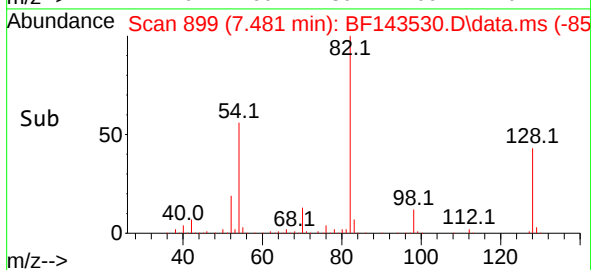
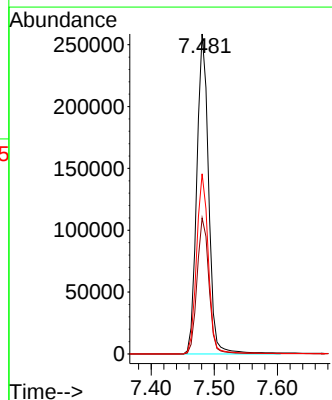
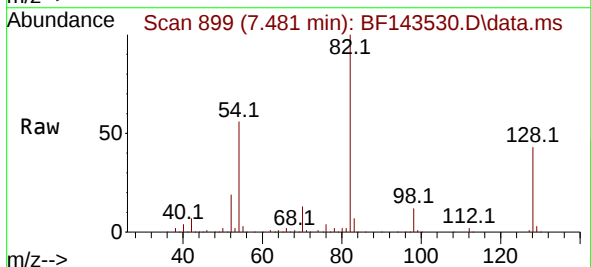
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	9.3	7.4	11.2
68	6.0	5.0	7.4

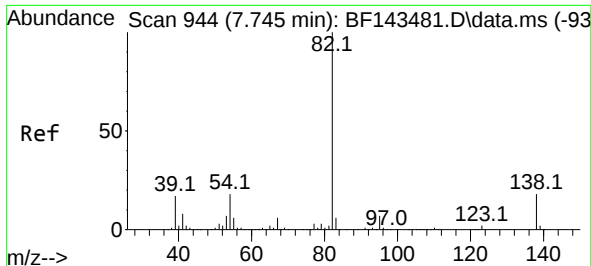


#23
Nitrobenzene-d5
Concen: 40.900 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.018 min
Lab File: BF143530.D
Acq: 21 Aug 2025 15:11

Tgt Ion: 82 Resp: 336782

Ion	Ratio	Lower	Upper
82	100		
128	42.5	35.5	53.3
54	56.3	44.3	66.5

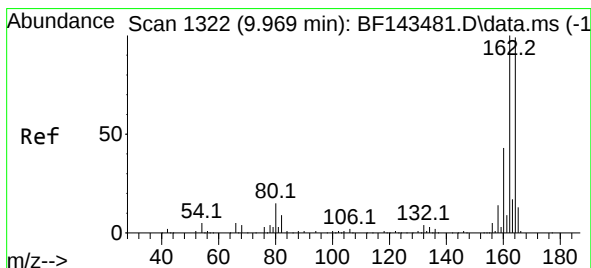
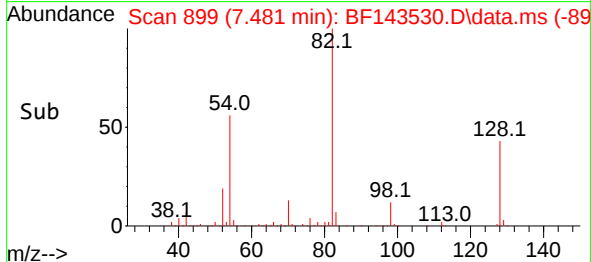
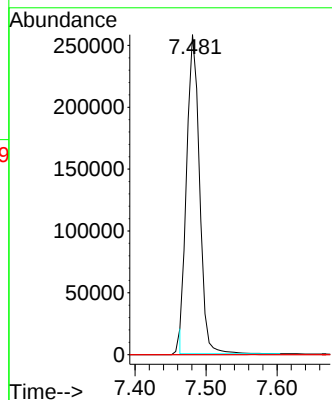
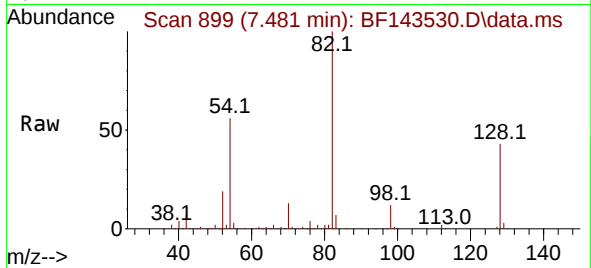




#25
Isophorone
Concen: 21.305 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.276 min
Lab File: BF143530.D
Acq: 21 Aug 2025 15:11

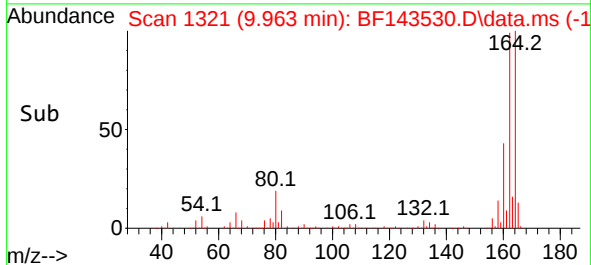
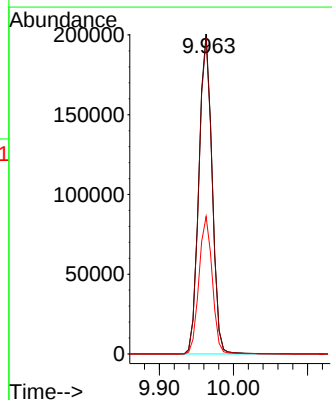
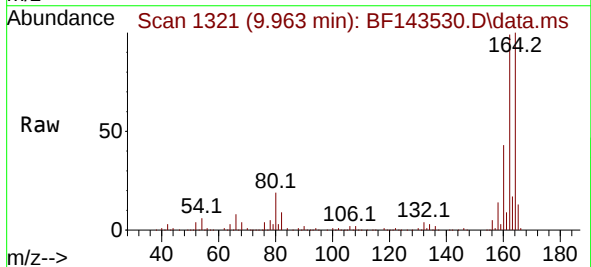
Instrument :
BNA_F
ClientSampleId :
84SB-SRE

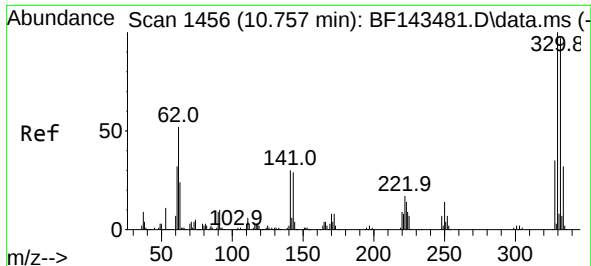
Tgt Ion: 82 Resp: 321579
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 14.2 21.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF143530.D
Acq: 21 Aug 2025 15:11

Tgt Ion:164 Resp: 247608
Ion Ratio Lower Upper
164 100
162 98.7 80.5 120.7
160 43.0 34.3 51.5

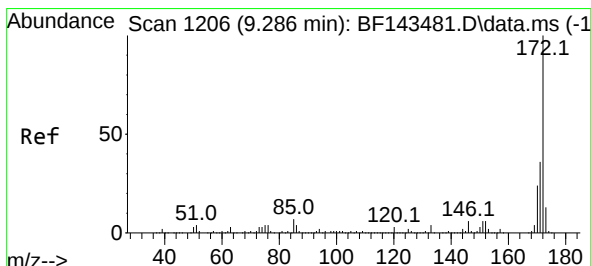
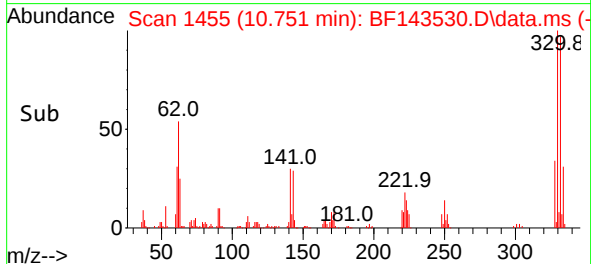
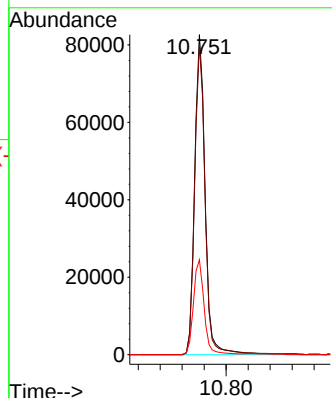
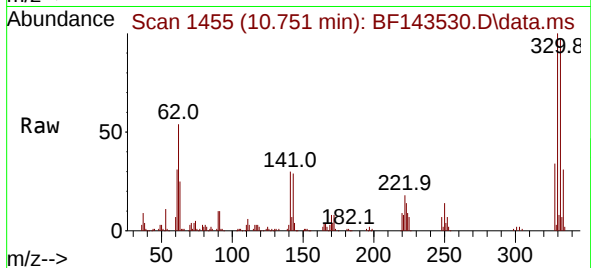




#42
2,4,6-Tribromophenol
Concen: 47.494 ng
RT: 10.751 min Scan# 1456
Delta R.T. -0.012 min
Lab File: BF143530.D
Acq: 21 Aug 2025 15:11

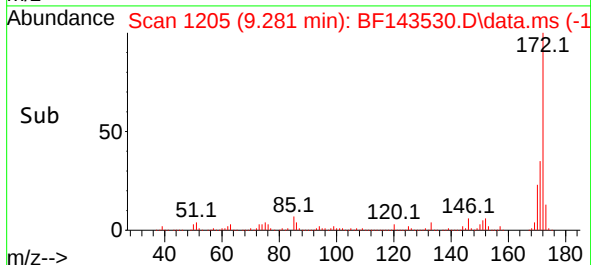
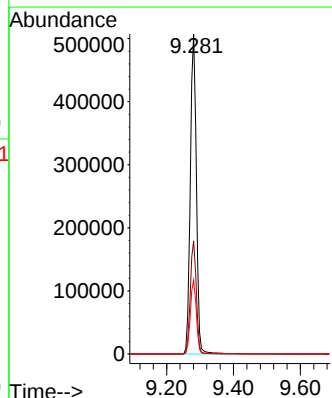
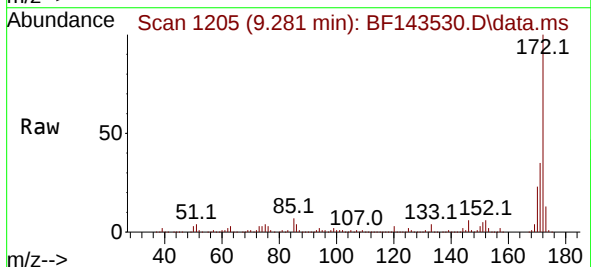
Instrument :
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ClientSampleId :
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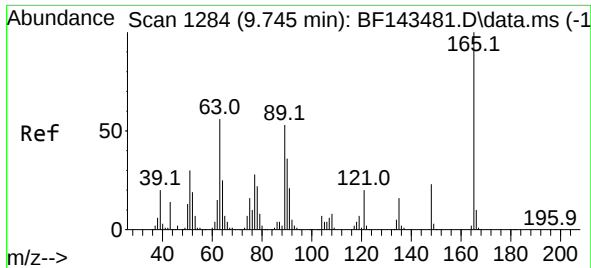
Tgt Ion:330 Resp: 109467
Ion Ratio Lower Upper
330 100
332 96.5 78.0 117.0
141 30.2 23.7 35.5



#45
2-Fluorobiphenyl
Concen: 42.556 ng
RT: 9.281 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF143530.D
Acq: 21 Aug 2025 15:11

Tgt Ion:172 Resp: 637584
Ion Ratio Lower Upper
172 100
171 35.4 28.8 43.2
170 23.1 18.8 28.2

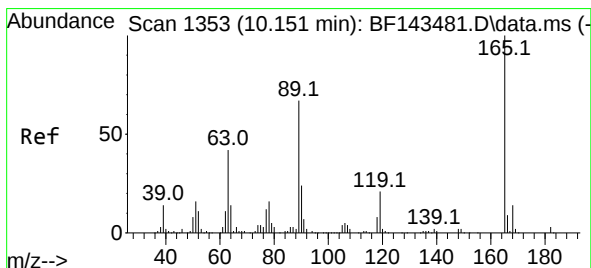
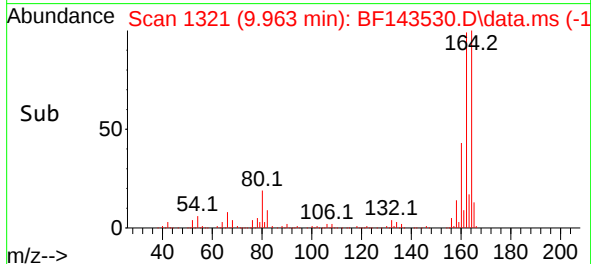
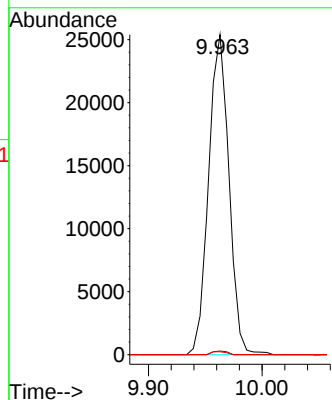
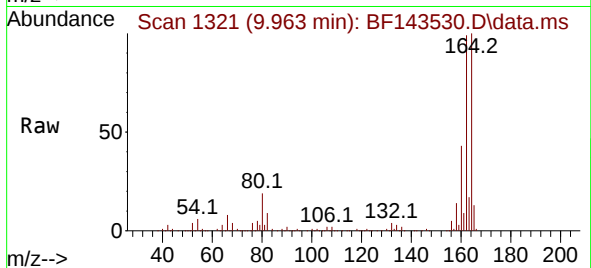




#51
2,6-Dinitrotoluene
Concen: 10.217 ng
RT: 9.963 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF143530.D
Acq: 21 Aug 2025 15:11

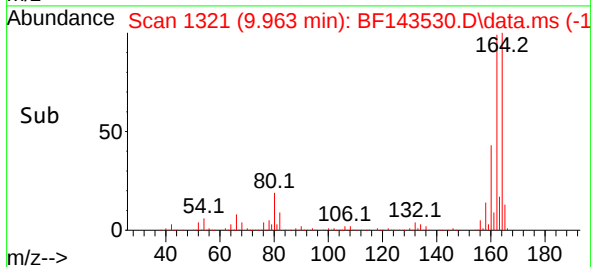
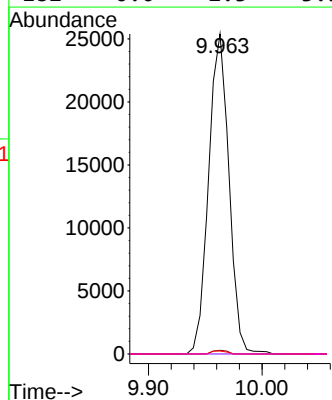
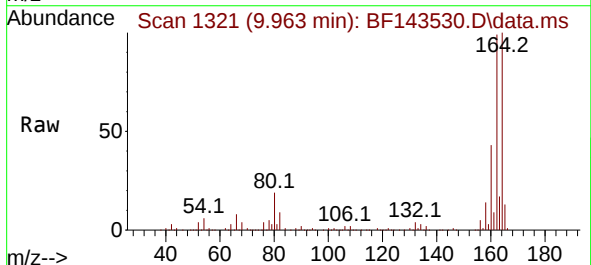
Instrument :
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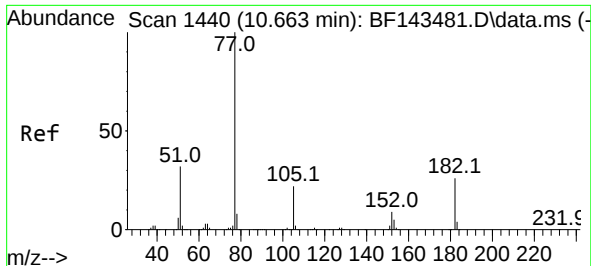
Tgt Ion:165 Resp: 31578
Ion Ratio Lower Upper
165 100
63 1.1 45.0 67.6#
89 0.9 42.5 63.7#



#57
2,4-Dinitrotoluene
Concen: 7.652 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.194 min
Lab File: BF143530.D
Acq: 21 Aug 2025 15:11

Tgt Ion:165 Resp: 31578
Ion Ratio Lower Upper
165 100
63 1.1 34.9 52.3#
89 0.9 53.3 79.9#
182 0.0 2.3 3.5#

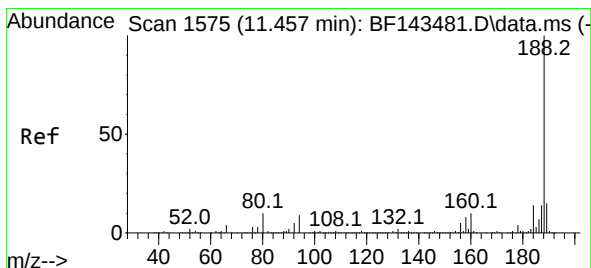
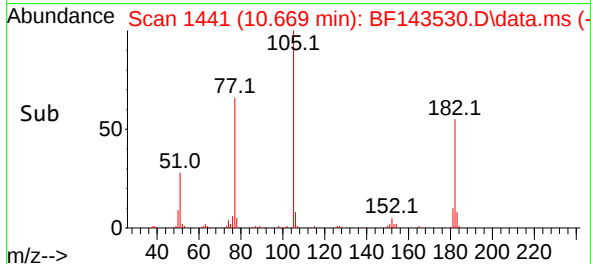
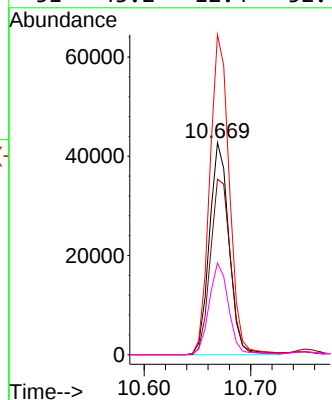
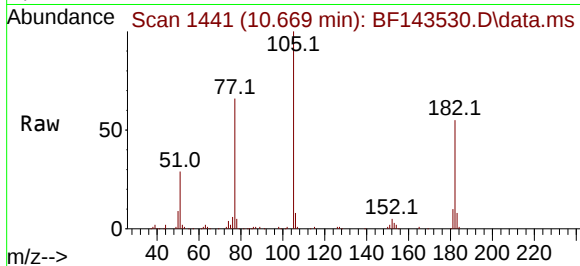




#63
Azobenzene
Concen: 3.958 ng
RT: 10.669 min Scan# 1440
Delta R.T. 0.000 min
Lab File: BF143530.D
Acq: 21 Aug 2025 15:11

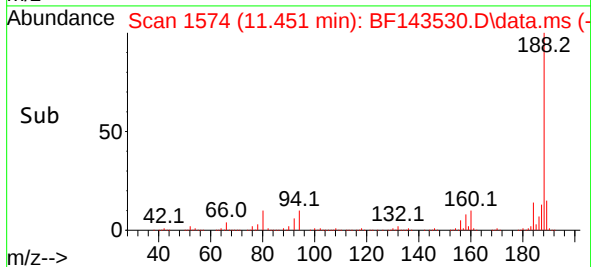
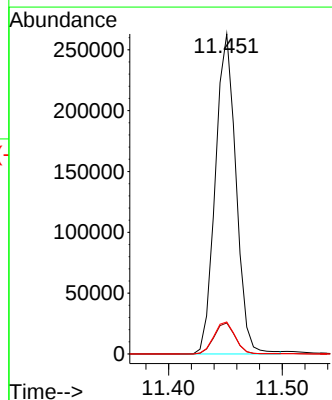
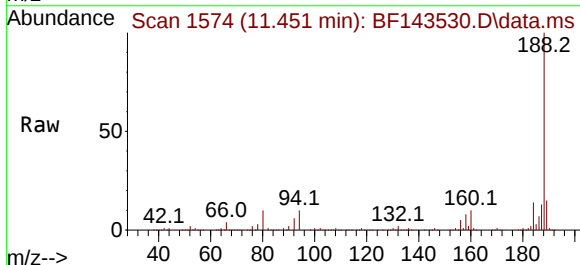
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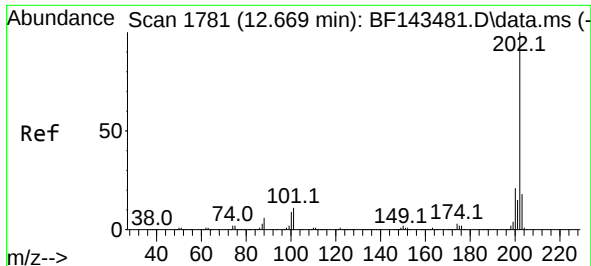
Tgt Ion: 77	Resp: 54866
Ion Ratio	Lower Upper
77 100	
182 82.7	6.2 46.2#
105 150.8	2.2 42.2#
51 43.2	12.4 52.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF143530.D
Acq: 21 Aug 2025 15:11

Tgt Ion: 188	Resp: 332938
Ion Ratio	Lower Upper
188 100	
94 9.7	7.4 11.2
80 10.0	8.2 12.4

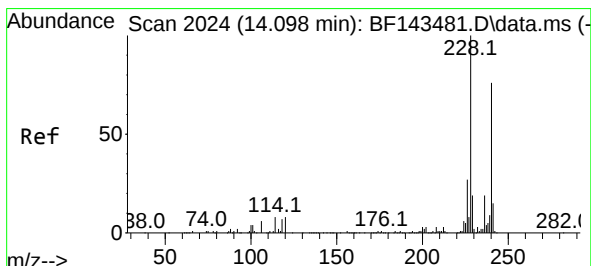
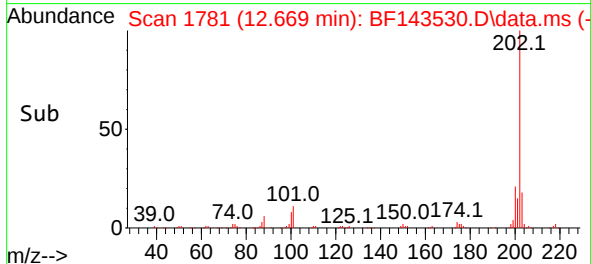
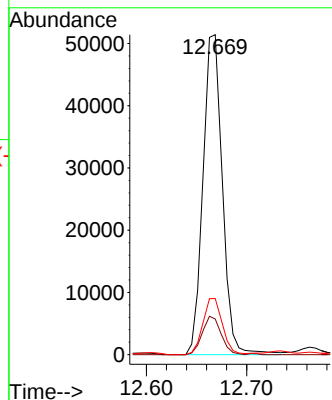
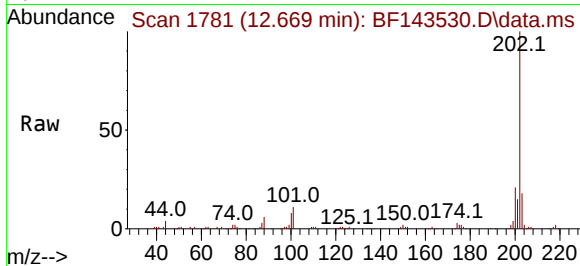




#75
Fluoranthene
Concen: 4.345 ng
RT: 12.669 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143530.D
Acq: 21 Aug 2025 15:11

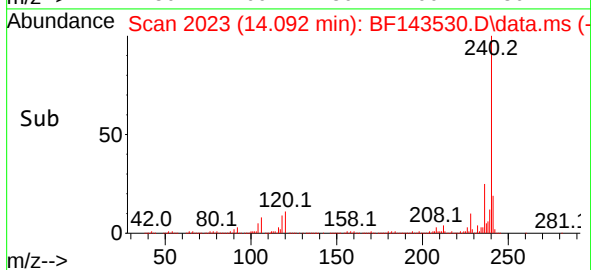
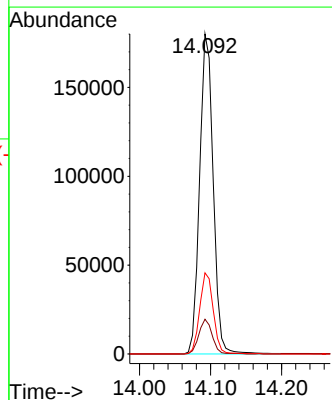
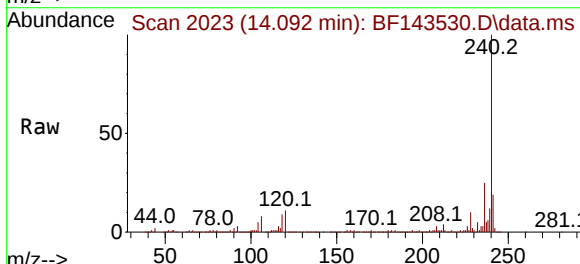
Instrument :
BNA_F
ClientSampleId :
84SB-SRE

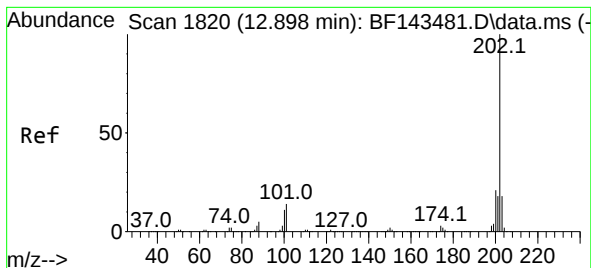
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	31.3
203	17.6	0.0	37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2023
Delta R.T. -0.012 min
Lab File: BF143530.D
Acq: 21 Aug 2025 15:11

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.9	8.6	12.8
236	25.4	20.4	30.6





#78

Pyrene

Concen: 3.253 ng

RT: 12.898 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143530.D

Acq: 21 Aug 2025 15:11

Instrument :

BNA_F

ClientSampleId :

84SB-SRE

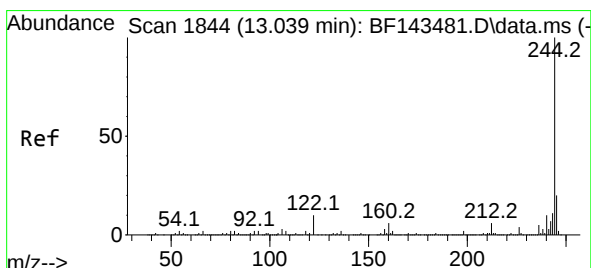
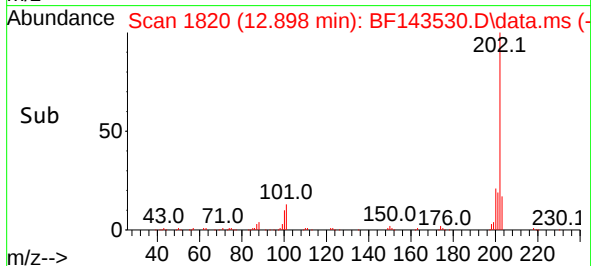
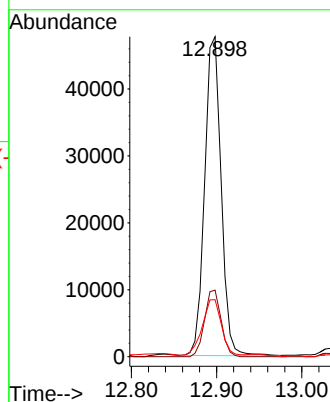
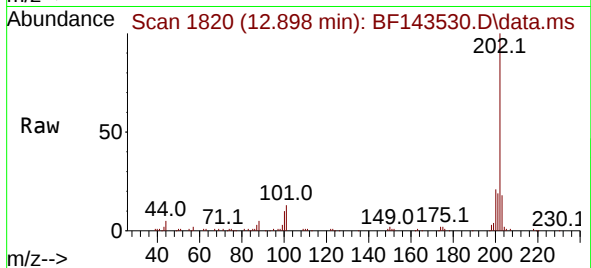
Tgt Ion:202 Resp: 64191

Ion Ratio Lower Upper

202 100

200 20.8 17.0 25.4

203 17.8 14.3 21.5



#79

Terphenyl-d14

Concen: 33.024 ng

RT: 13.033 min Scan# 1843

Delta R.T. -0.006 min

Lab File: BF143530.D

Acq: 21 Aug 2025 15:11

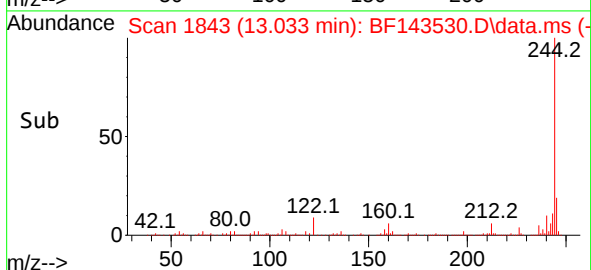
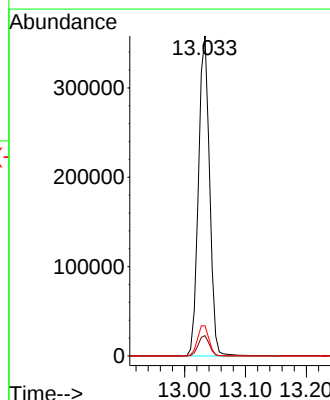
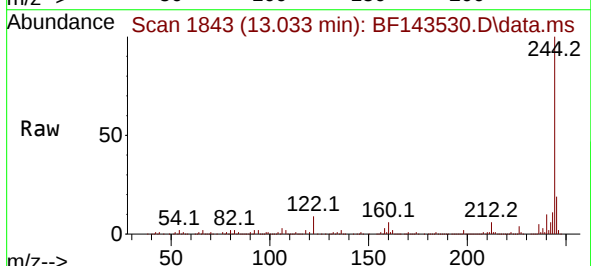
Tgt Ion:244 Resp: 454012

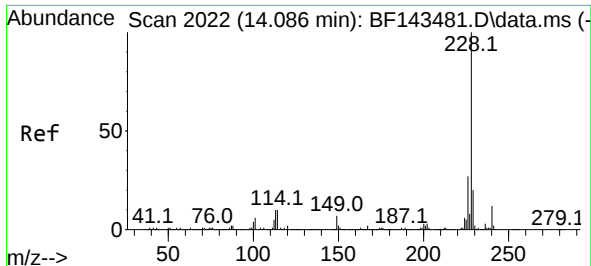
Ion Ratio Lower Upper

244 100

212 6.3 5.2 7.8

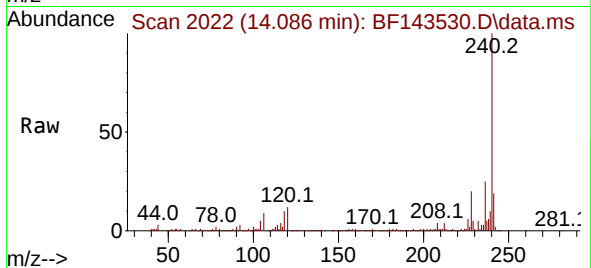
122 9.5 7.9 11.9



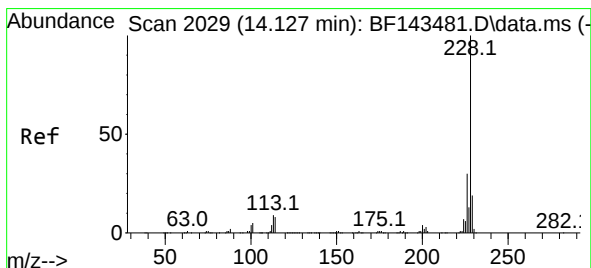
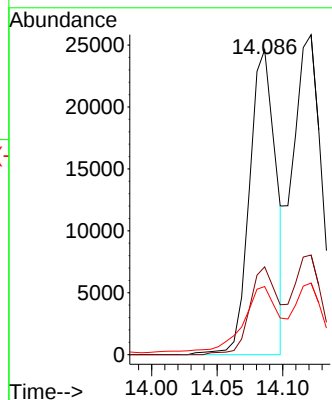
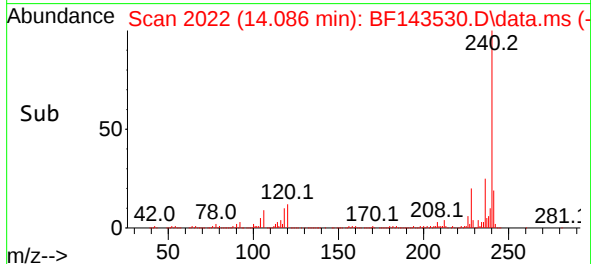


#81
Benzo(a)anthracene
Concen: 2.237 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF143530.D
Acq: 21 Aug 2025 15:11

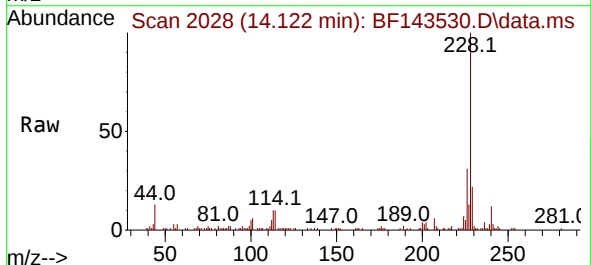
Instrument :
BNA_F
ClientSampleId :
84SB-SRE



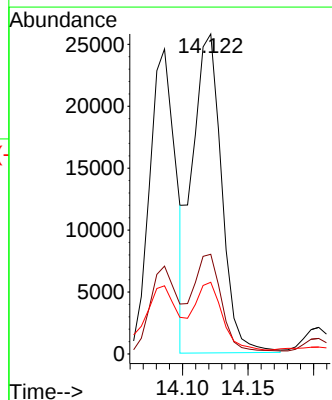
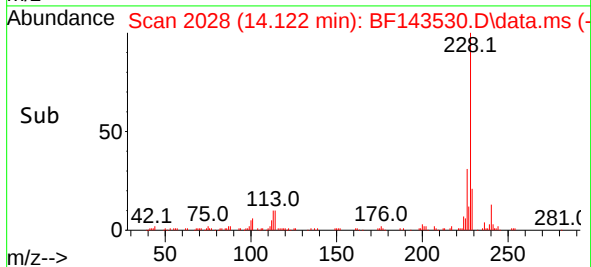
Tgt Ion:228 Resp: 34552
Ion Ratio Lower Upper
228 100
226 28.8 21.7 32.5
229 22.3 15.7 23.5

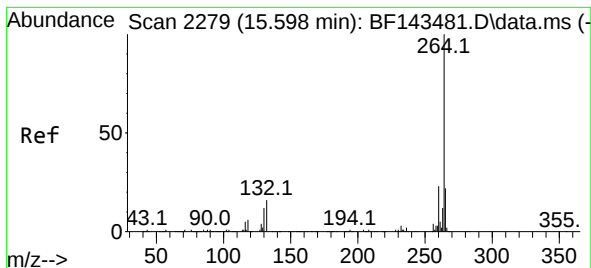


#83
Chrysene
Concen: 2.857 ng
RT: 14.122 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF143530.D
Acq: 21 Aug 2025 15:11



Tgt Ion:228 Resp: 39660
Ion Ratio Lower Upper
228 100
226 31.2 23.7 35.5
229 22.4 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.592 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143530.D

Acq: 21 Aug 2025 15:11

Instrument :

BNA_F

ClientSampleId :

84SB-SRE

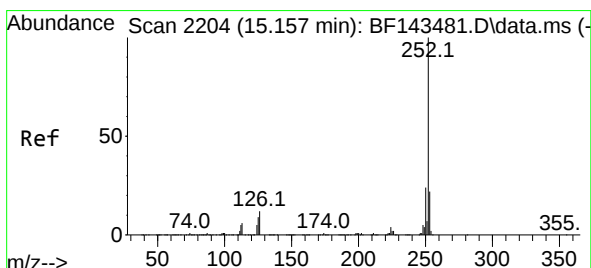
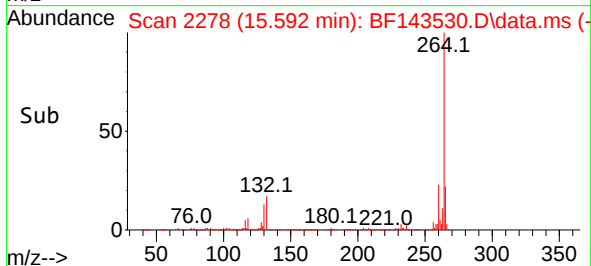
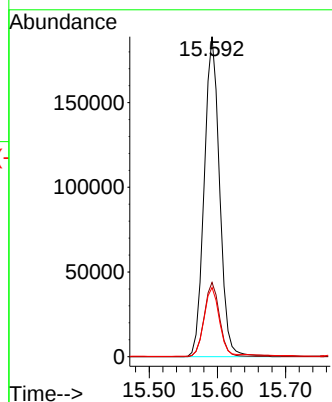
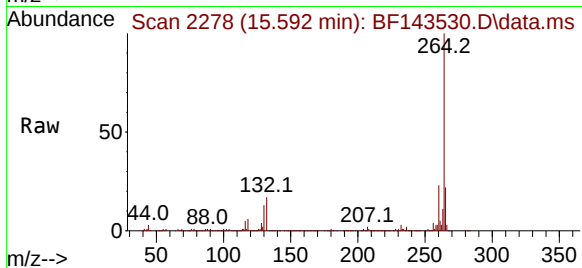
Tgt Ion:264 Resp: 296752

Ion Ratio Lower Upper

264 100

260 23.2 18.7 28.1

265 21.6 17.6 26.4



#88

Benzo(b)fluoranthene

Concen: 5.003 ng

RT: 15.151 min Scan# 2203

Delta R.T. -0.006 min

Lab File: BF143530.D

Acq: 21 Aug 2025 15:11

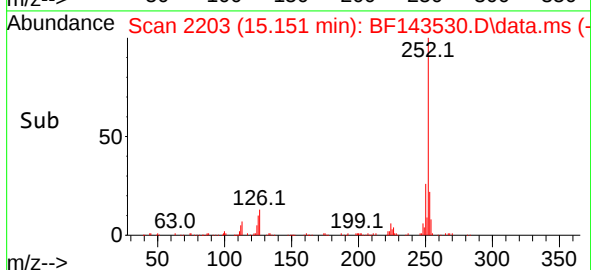
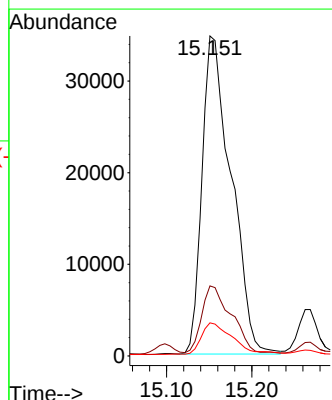
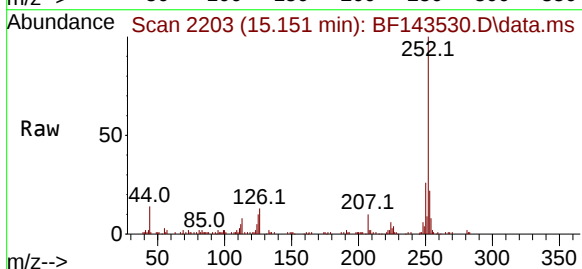
Tgt Ion:252 Resp: 82519

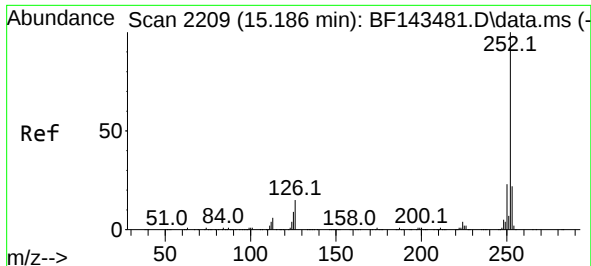
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 10.4 7.4 11.0

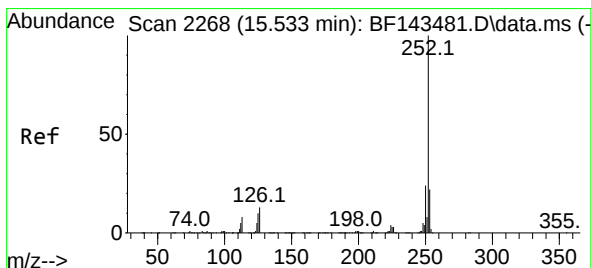
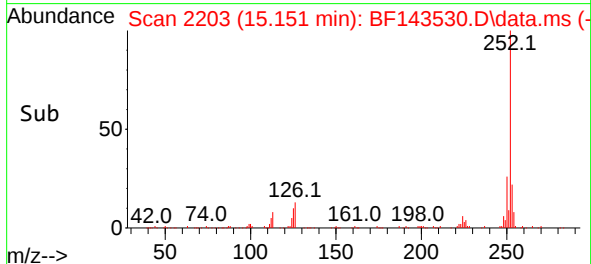
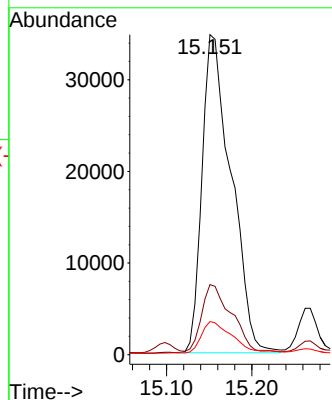
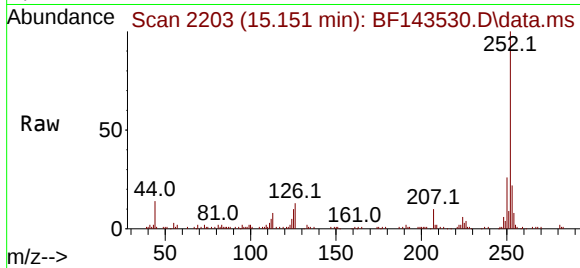




#89
Benzo(k)fluoranthene
Concen: 5.225 ng
RT: 15.151 min Scan# 21
Delta R.T. -0.041 min
Lab File: BF143530.D
Acq: 21 Aug 2025 15:11

Instrument :
BNA_F
ClientSampleId :
84SB-SRE

Tgt Ion:252 Resp: 82519
Ion Ratio Lower Upper
252 100
253 21.9 17.4 26.2
125 10.4 7.4 11.0



#90
Benzo(a)pyrene
Concen: 2.524 ng
RT: 15.527 min Scan# 2267
Delta R.T. -0.012 min
Lab File: BF143530.D
Acq: 21 Aug 2025 15:11

Tgt Ion:252 Resp: 38651
Ion Ratio Lower Upper
252 100
253 23.7 17.4 26.0
125 11.4 8.2 12.2

