

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF081925\  
 Data File : BF143453.D  
 Acq On : 19 Aug 2025 13:30  
 Operator : RC/JU  
 Sample : Q2879-05  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OU4-TS-GRILLO-TSCP05-081425

Quant Time: Aug 19 13:59:00 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF081525.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 18 04:40:19 2025  
 Response via : Initial Calibration

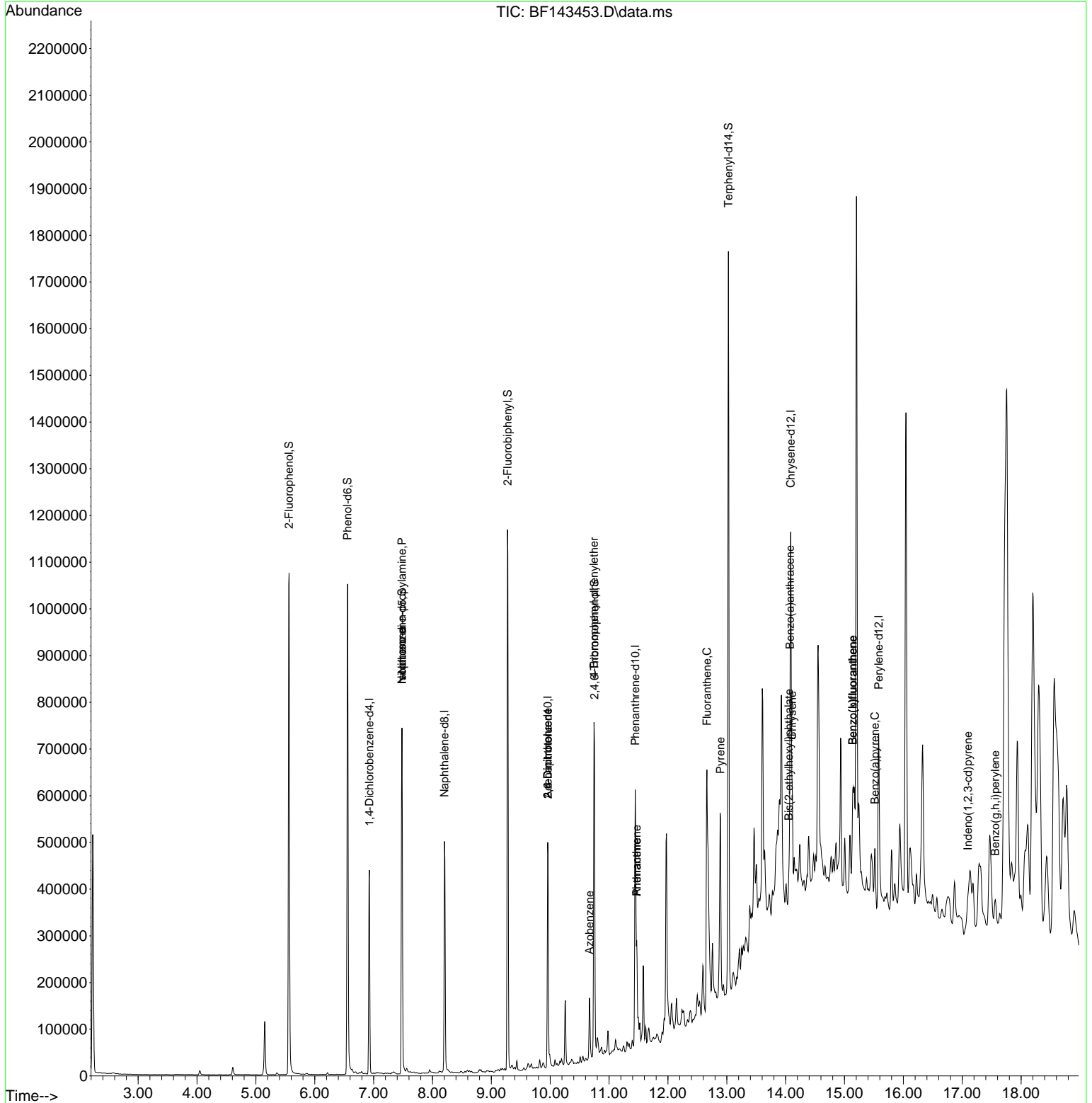
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	93170	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	315157	20.000	ng	0.00
39) Acenaphthene-d10	9.957	164	143358	20.000	ng	0.00
64) Phenanthrene-d10	11.445	188	276131	20.000	ng	0.00
76) Chrysene-d12	14.086	240	302358	20.000	ng	0.00
86) Perylene-d12	15.580	264	207438	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	409160	76.339	ng	0.00
7) Phenol-d6	6.557	99	469539	69.515	ng	0.00
23) Nitrobenzene-d5	7.481	82	313869	59.096	ng	0.00
42) 2,4,6-Tribromophenol	10.751	330	121605	95.302	ng	0.00
45) 2-Fluorobiphenyl	9.275	172	516255	60.571	ng	0.00
79) Terphenyl-d14	13.027	244	754533	41.921	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.481	70	42256	10.105	ng	# 78
25) Isophorone	7.481	82	311949	30.688	ng	# 65
51) 2,6-Dinitrotoluene	9.957	165	20039	11.374	ng	# 24
57) 2,4-Dinitrotoluene	9.957	165	20160	8.582	ng	# 25
63) Azobenzene	10.669	77	31936	3.826	ng	# 1
67) 4-Bromophenyl-phenylether	10.745	248	8169	2.505	ng	# 1
71) Phenanthrene	11.469	178	98842	6.610	ng	100
72) Anthracene	11.469	178	98842	6.545	ng	99
75) Fluoranthene	12.663	202	260342	19.595	ng	99
78) Pyrene	12.892	202	231916	8.825	ng	99
81) Benzo(a)anthracene	14.074	228	137384	7.137	ng	95
83) Chrysene	14.110	228	130659	7.342	ng	98
84) Bis(2-ethylhexyl)phtha...	14.057	149	22096	2.390	ng	96
87) Indeno(1,2,3-cd)pyrene	17.098	276	38698	2.488	ng	94
88) Benzo(b)fluoranthene	15.139	252	165633	14.898	ng	# 93
89) Benzo(k)fluoranthene	15.139	252	165633	15.105	ng	# 93
90) Benzo(a)pyrene	15.515	252	71563	6.758	ng	# 94
92) Benzo(g,h,i)perylene	17.562	276	40674	3.259	ng	97

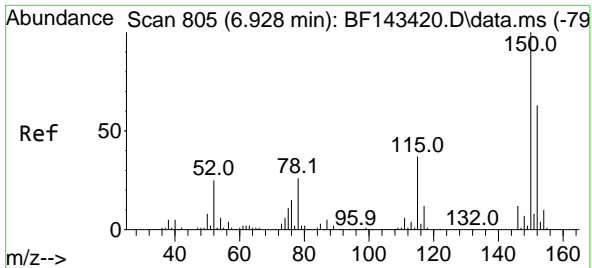
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 OU4-TS-GRILLO-TSCP05-081425

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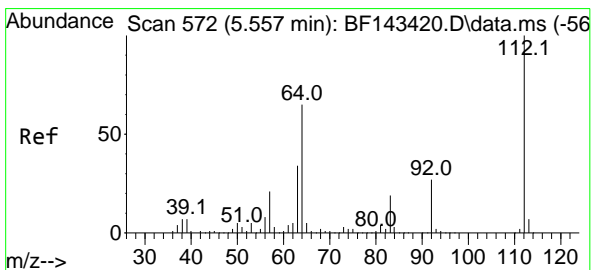
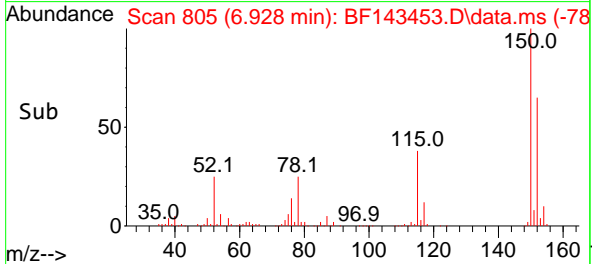
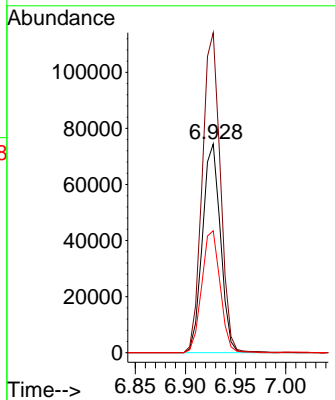
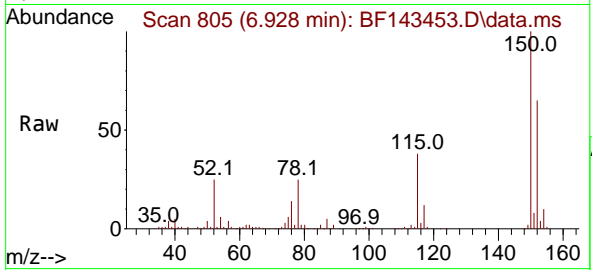




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.928 min Scan# 805  
 Delta R.T. -0.000 min  
 Lab File: BF143453.D  
 Acq: 19 Aug 2025 13:30

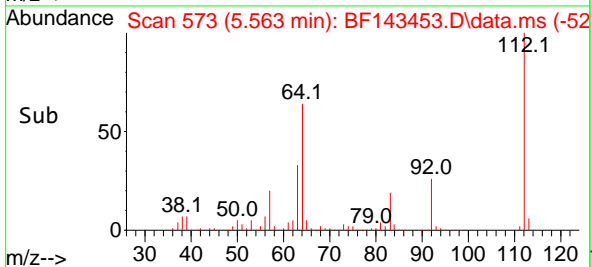
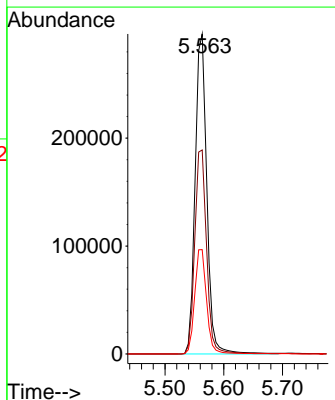
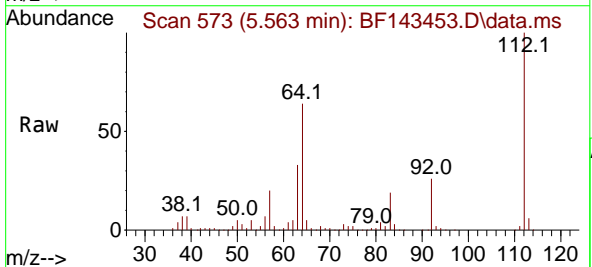
Instrument : BNA\_F  
 ClientSampleId : OU4-TS-GRILLO-TSCP05-081425

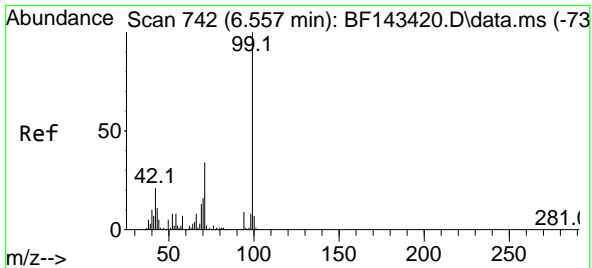
Tgt Ion:152 Resp: 93170  
 Ion Ratio Lower Upper  
 152 100  
 150 153.2 127.4 191.2  
 115 58.4 47.5 71.3



#5  
 2-Fluorophenol  
 Concen: 76.339 ng  
 RT: 5.563 min Scan# 573  
 Delta R.T. 0.006 min  
 Lab File: BF143453.D  
 Acq: 19 Aug 2025 13:30

Tgt Ion:112 Resp: 409160  
 Ion Ratio Lower Upper  
 112 100  
 64 63.8 52.2 78.2  
 63 32.6 27.0 40.6



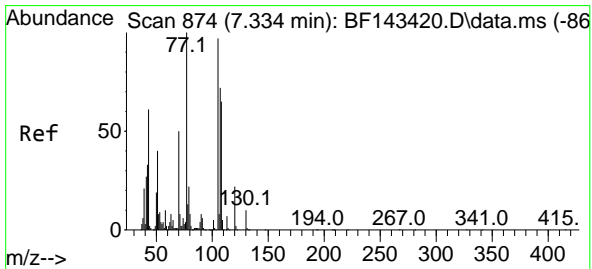
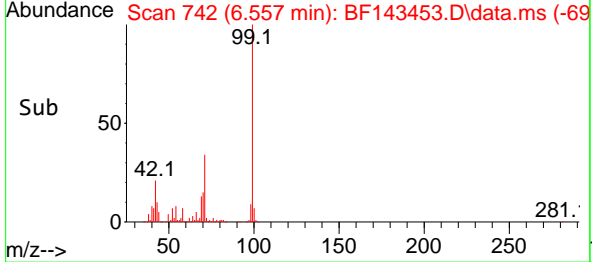
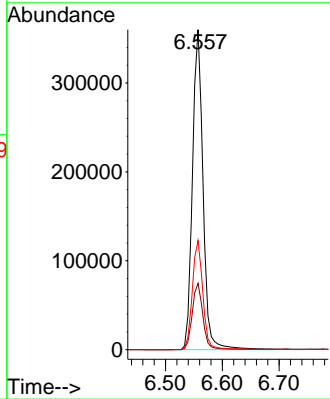
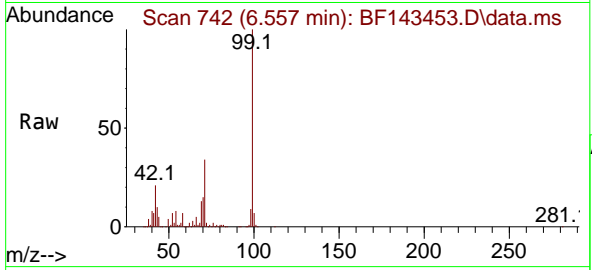


#7  
 Phenol-d6  
 Concen: 69.515 ng  
 RT: 6.557 min Scan# 742  
 Delta R.T. -0.000 min  
 Lab File: BF143453.D  
 Acq: 19 Aug 2025 13:30

Instrument : BNA\_F  
 ClientSampleId : OU4-TS-GRILLO-TSCP05-081425

Tgt Ion: 99 Resp: 469539

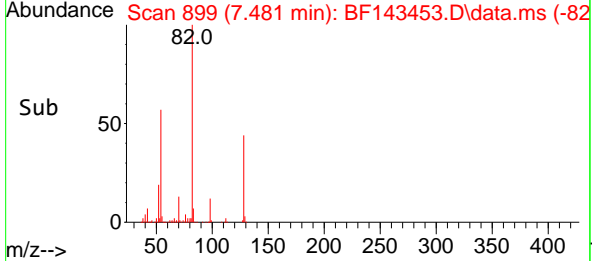
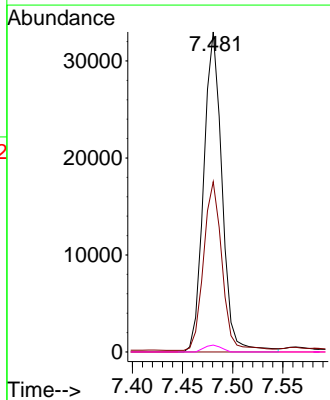
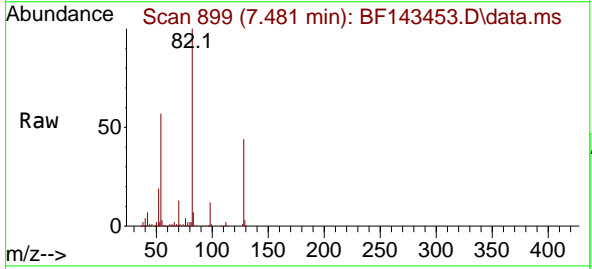
Ion	Ratio	Lower	Upper
99	100		
42	20.7	17.0	25.6
71	34.1	27.4	41.2

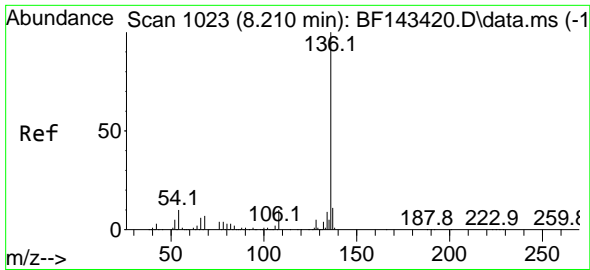


#19  
 n-Nitroso-di-n-propylamine  
 Concen: 10.105 ng  
 RT: 7.481 min Scan# 899  
 Delta R.T. 0.147 min  
 Lab File: BF143453.D  
 Acq: 19 Aug 2025 13:30

Tgt Ion: 70 Resp: 42256

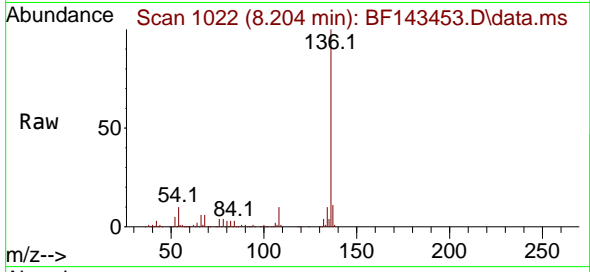
Ion	Ratio	Lower	Upper
70	100		
42	53.2	52.5	78.7
101	0.0	7.9	11.9#
130	2.2	16.0	24.0#





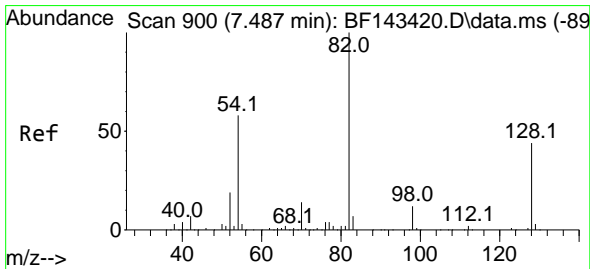
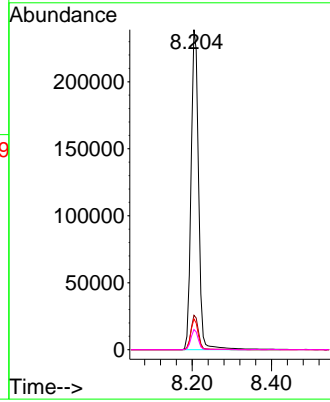
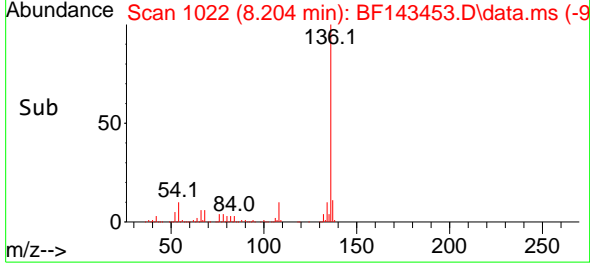
#21  
 Naphthalene-d8  
 Concen: 20.000 ng  
 RT: 8.204 min Scan# 1022  
 Delta R.T. -0.006 min  
 Lab File: BF143453.D  
 Acq: 19 Aug 2025 13:30

Instrument : BNA\_F  
 ClientSampleId : OU4-TS-GRILLO-TSCP05-081425

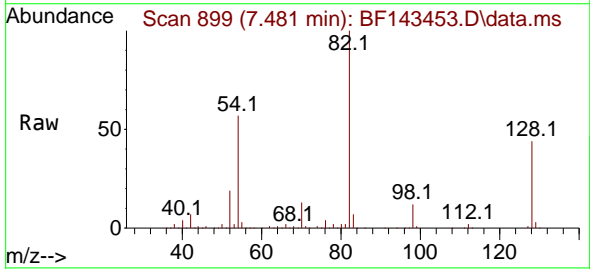


Tgt Ion:136 Resp: 315157

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	9.6	7.8	11.8
68	6.3	5.2	7.8

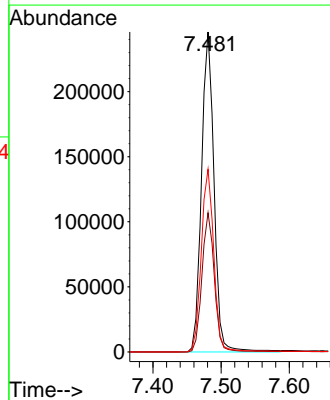
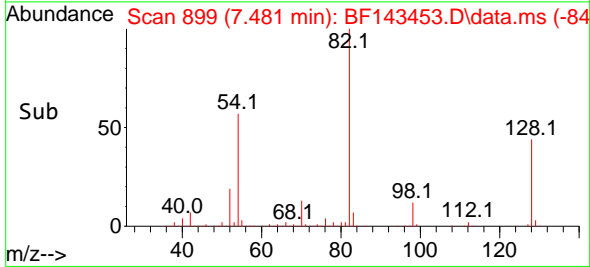


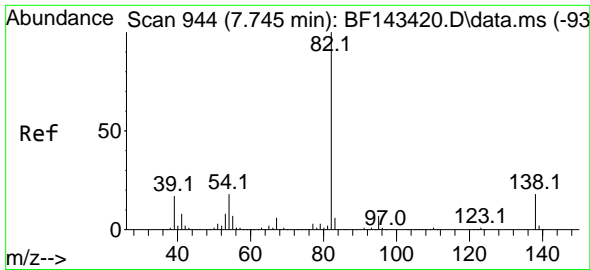
#23  
 Nitrobenzene-d5  
 Concen: 59.096 ng  
 RT: 7.481 min Scan# 899  
 Delta R.T. -0.006 min  
 Lab File: BF143453.D  
 Acq: 19 Aug 2025 13:30



Tgt Ion: 82 Resp: 313869

Ion	Ratio	Lower	Upper
82	100		
128	43.5	34.6	52.0
54	57.1	46.0	69.0



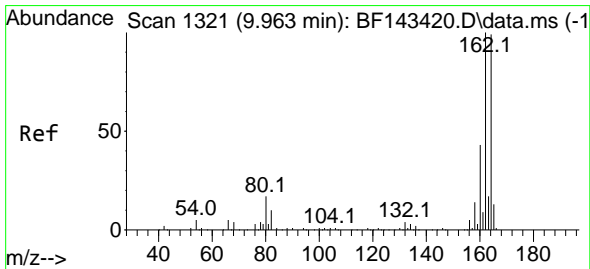
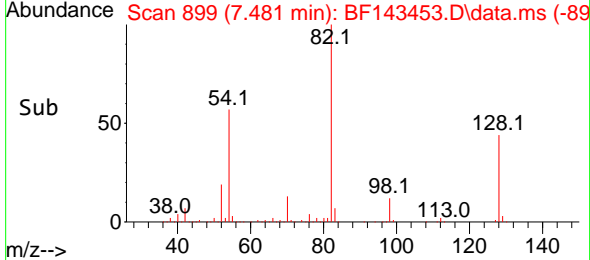
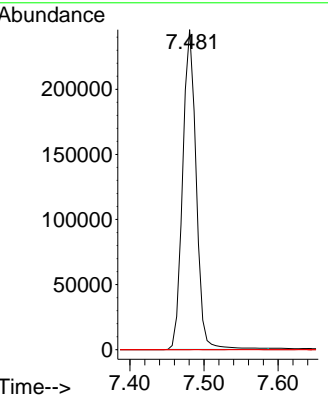
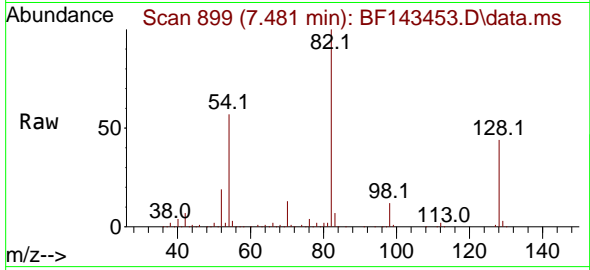


#25  
 Isophorone  
 Concen: 30.688 ng  
 RT: 7.481 min Scan# 899  
 Delta R.T. -0.265 min  
 Lab File: BF143453.D  
 Acq: 19 Aug 2025 13:30

Instrument : BNA\_F  
 ClientSampleId : OU4-TS-GRILLO-TSCP05-081425

Tgt Ion: 82 Resp: 311949

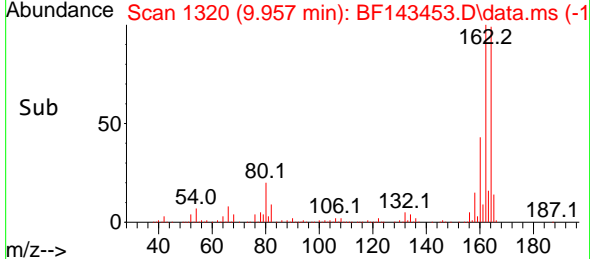
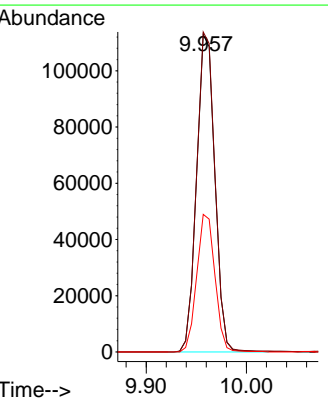
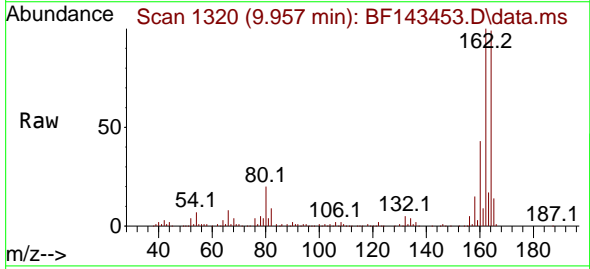
Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.6	8.4#
138	0.0	14.3	21.5#

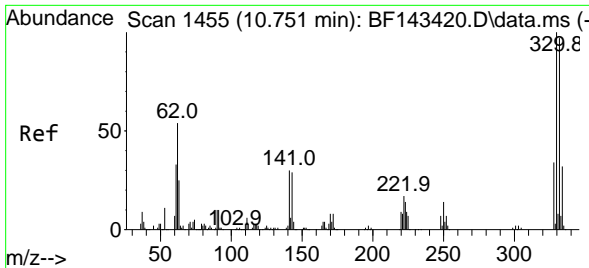


#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.957 min Scan# 1320  
 Delta R.T. -0.006 min  
 Lab File: BF143453.D  
 Acq: 19 Aug 2025 13:30

Tgt Ion: 164 Resp: 143358

Ion	Ratio	Lower	Upper
164	100		
162	100.8	80.6	121.0
160	43.4	34.6	51.8

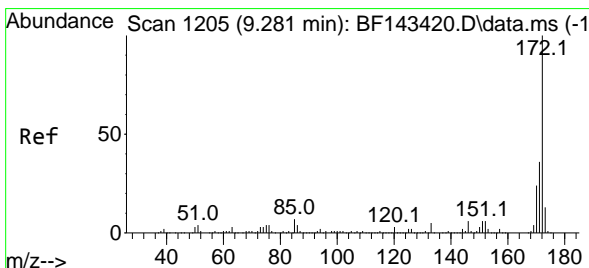
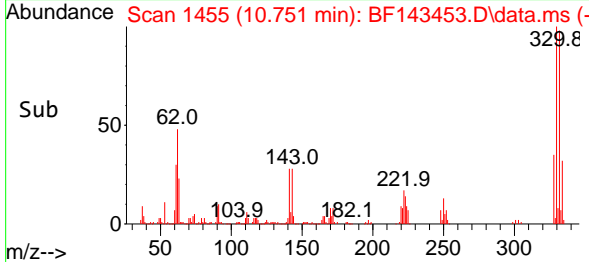
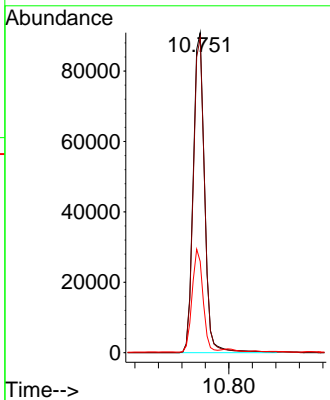
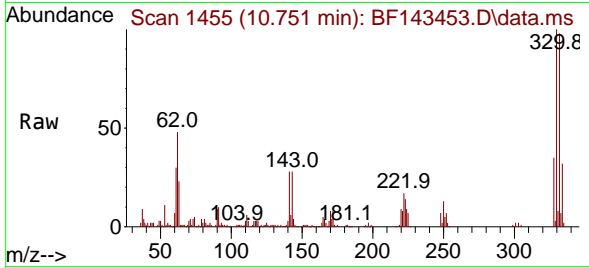




#42  
 2,4,6-Tribromophenol  
 Concen: 95.302 ng  
 RT: 10.751 min Scan# 14  
 Delta R.T. -0.000 min  
 Lab File: BF143453.D  
 Acq: 19 Aug 2025 13:30

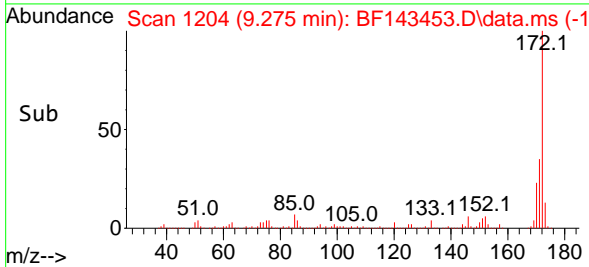
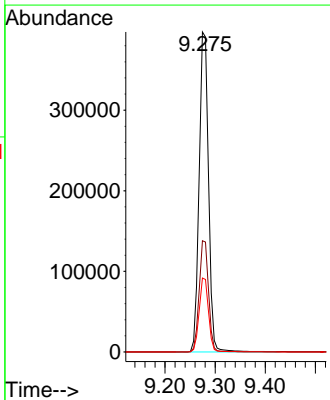
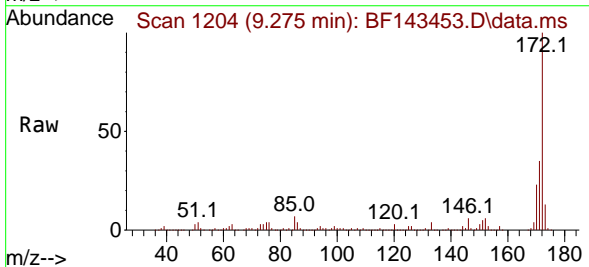
Instrument : BNA\_F  
 ClientSampleId : OU4-TS-GRILLO-TSCP05-081425

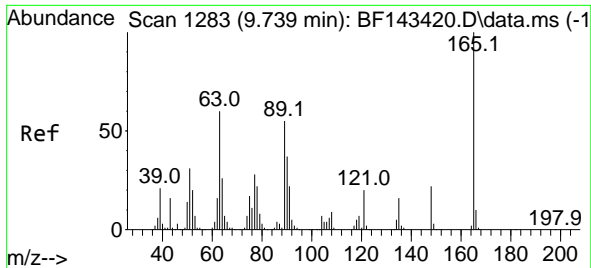
Tgt Ion	Resp	Lower	Upper
330	100		
332	97.8	77.4	116.2
141	30.7	24.1	36.1



#45  
 2-Fluorobiphenyl  
 Concen: 60.571 ng  
 RT: 9.275 min Scan# 1204  
 Delta R.T. -0.006 min  
 Lab File: BF143453.D  
 Acq: 19 Aug 2025 13:30

Tgt Ion	Resp	Lower	Upper
172	100		
171	34.8	28.7	43.1
170	23.1	19.0	28.6

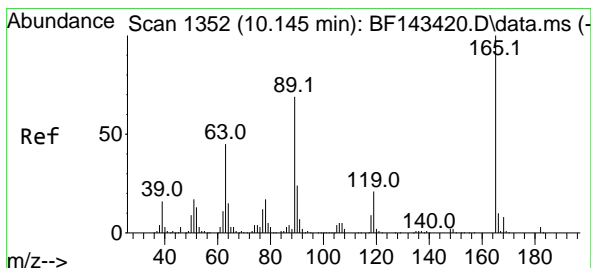
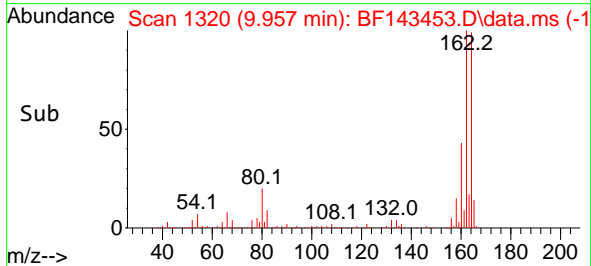
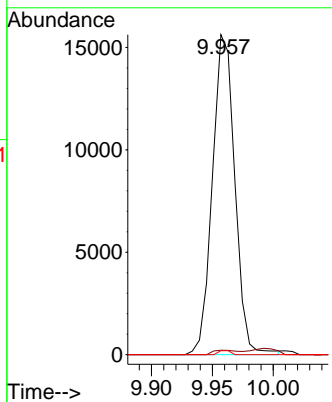
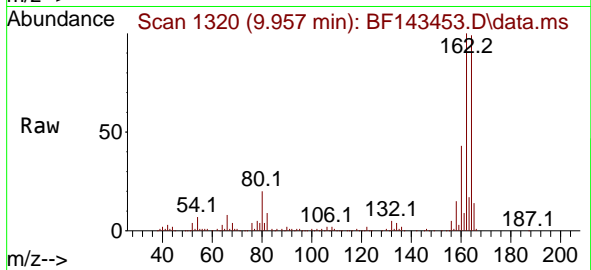




#51  
 2,6-Dinitrotoluene  
 Concen: 11.374 ng  
 RT: 9.957 min Scan# 11  
 Delta R.T. 0.218 min  
 Lab File: BF143453.D  
 Acq: 19 Aug 2025 13:30

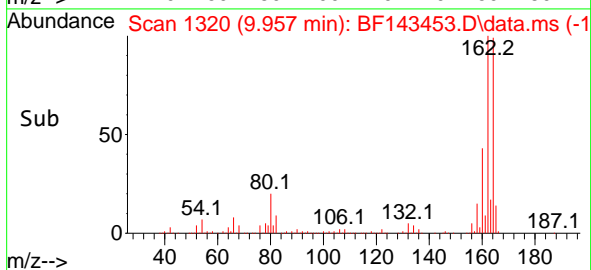
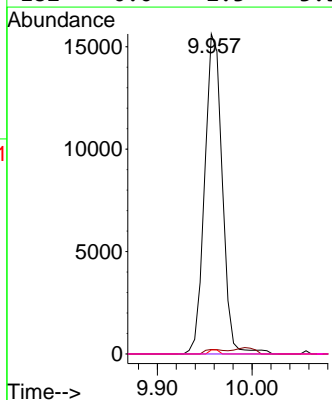
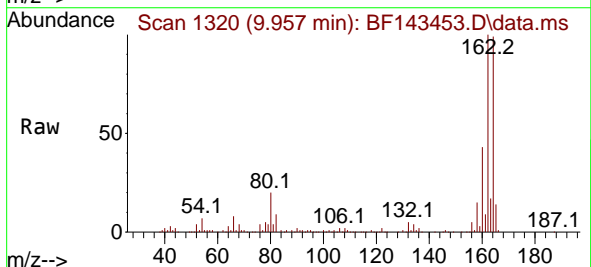
Instrument : BNA\_F  
 ClientSampleId : OU4-TS-GRILLO-TSCP05-081425

Tgt Ion	Resp	Lower	Upper
165	100		
63	1.4	48.2	72.2#
89	1.3	44.2	66.2#

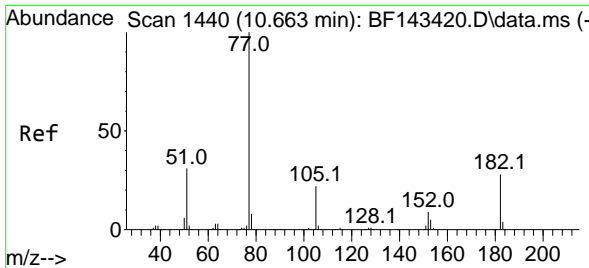


#57  
 2,4-Dinitrotoluene  
 Concen: 8.582 ng  
 RT: 9.957 min Scan# 1320  
 Delta R.T. -0.188 min  
 Lab File: BF143453.D  
 Acq: 19 Aug 2025 13:30

Tgt Ion	Resp	Lower	Upper
165	100		
63	1.4	37.0	55.6#
89	1.3	55.4	83.0#
182	0.0	2.3	3.5#





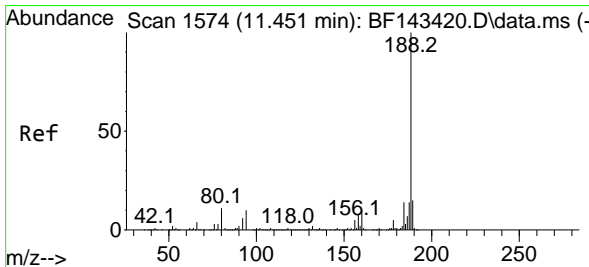
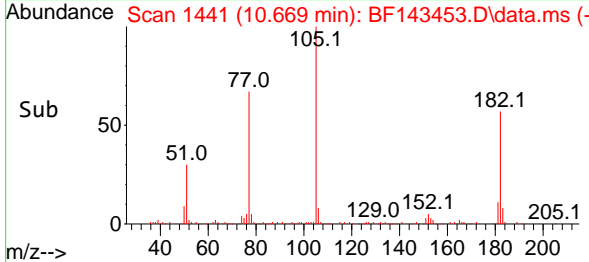
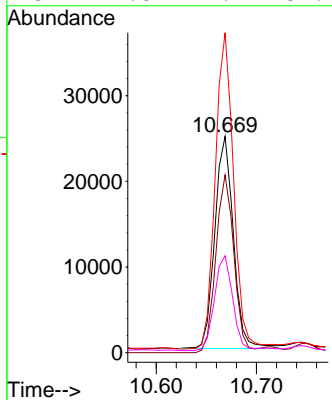
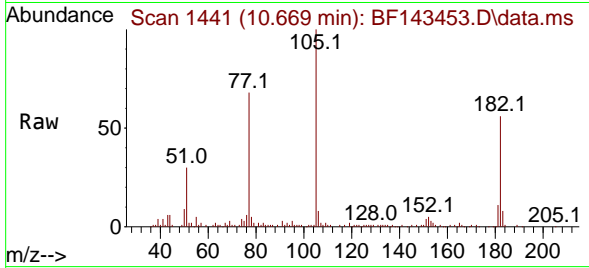


#63  
 Azobenzene  
 Concen: 3.826 ng  
 RT: 10.669 min Scan# 14  
 Delta R.T. 0.006 min  
 Lab File: BF143453.D  
 Acq: 19 Aug 2025 13:30

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OU4-TS-GRILLO-TSCP05-081425

Tgt Ion: 77 Resp: 31936

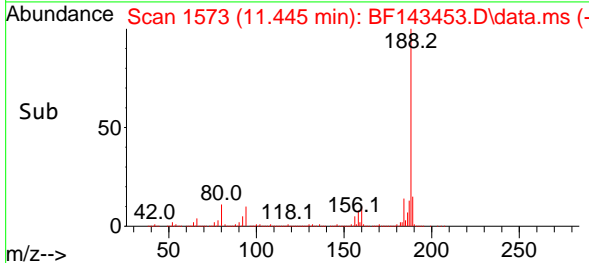
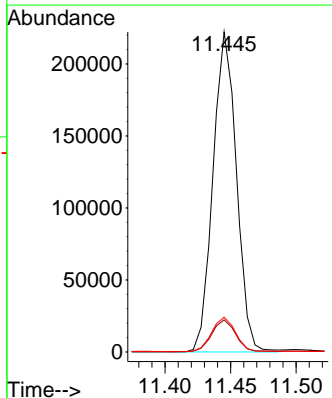
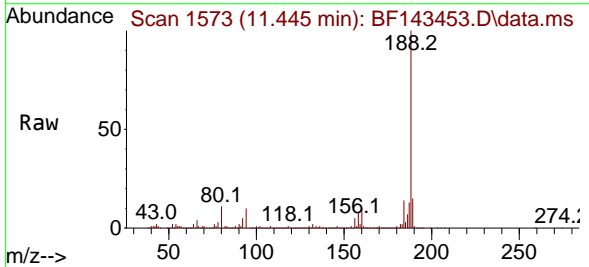
Ion	Ratio	Lower	Upper
77	100		
182	82.1	7.4	47.4#
105	148.0	1.7	41.7#
51	44.8	12.4	52.4

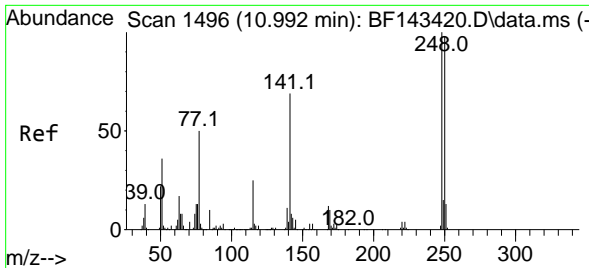


#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.445 min Scan# 1573  
 Delta R.T. -0.006 min  
 Lab File: BF143453.D  
 Acq: 19 Aug 2025 13:30

Tgt Ion: 188 Resp: 276131

Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.0	12.0
80	10.8	8.6	12.8

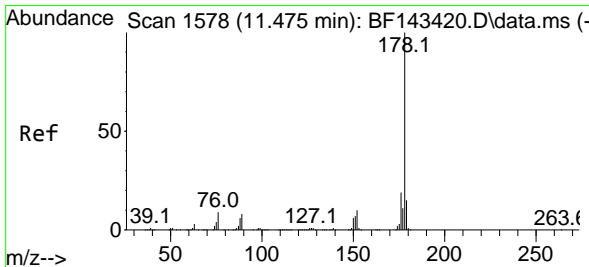
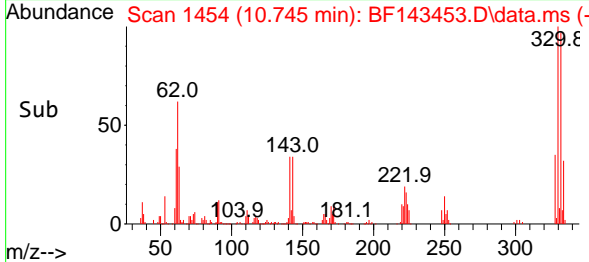
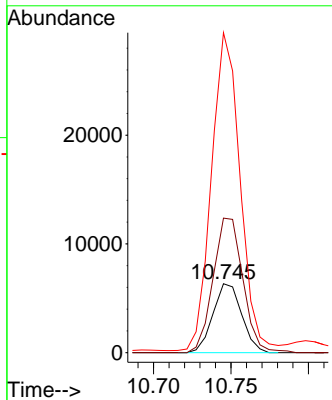
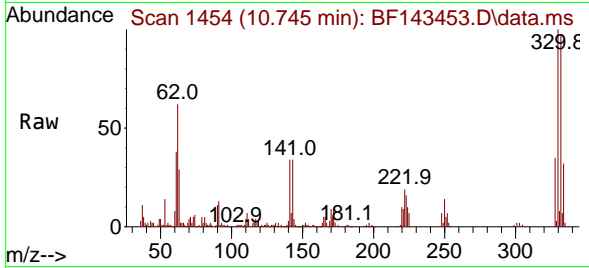




#67  
 4-Bromophenyl-phenylether  
 Concen: 2.505 ng  
 RT: 10.745 min Scan# 14  
 Delta R.T. -0.247 min  
 Lab File: BF143453.D  
 Acq: 19 Aug 2025 13:30

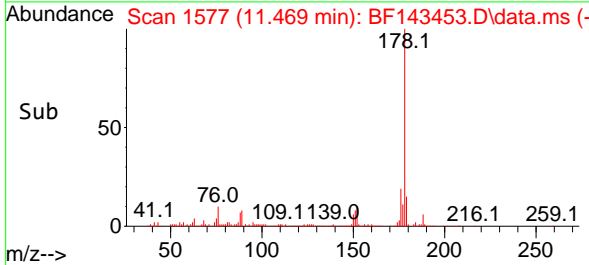
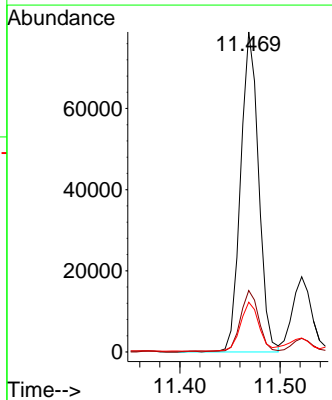
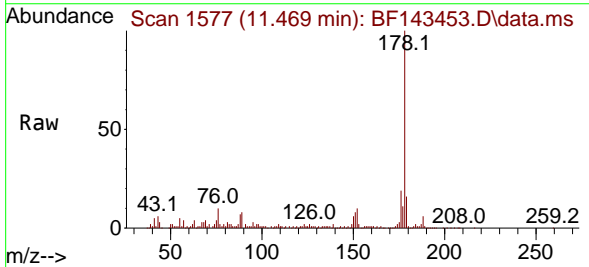
Instrument : BNA\_F  
 ClientSampleId : OU4-TS-GRILLO-TSCP05-081425

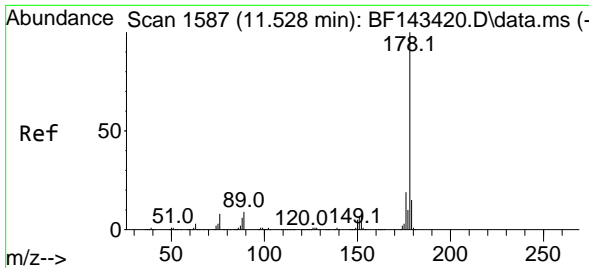
Tgt Ion	Resp	Lower	Upper
248	100		
250	195.2	78.6	118.0#
141	464.3	54.9	82.3#



#71  
 Phenanthrene  
 Concen: 6.610 ng  
 RT: 11.469 min Scan# 1577  
 Delta R.T. -0.006 min  
 Lab File: BF143453.D  
 Acq: 19 Aug 2025 13:30

Tgt Ion	Resp	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.6	12.3	18.5

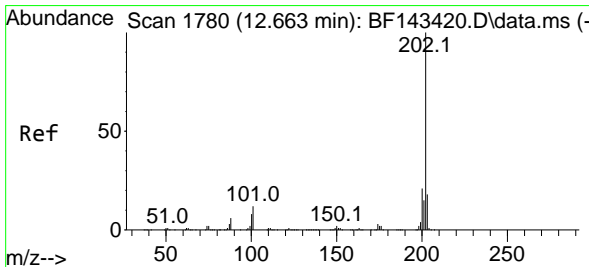
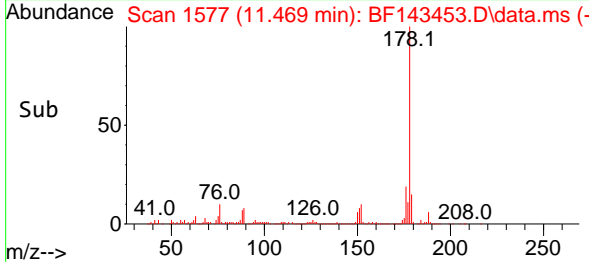
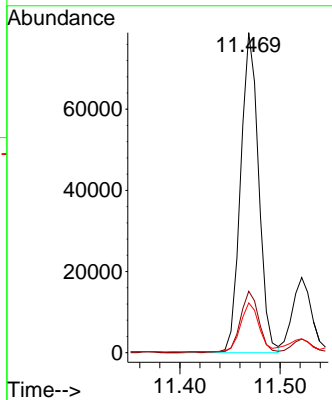
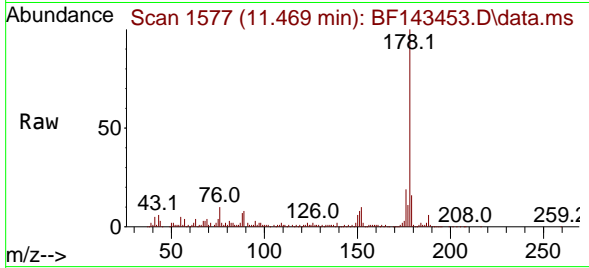




#72  
 Anthracene  
 Concen: 6.545 ng  
 RT: 11.469 min Scan# 11  
 Delta R.T. -0.059 min  
 Lab File: BF143453.D  
 Acq: 19 Aug 2025 13:30

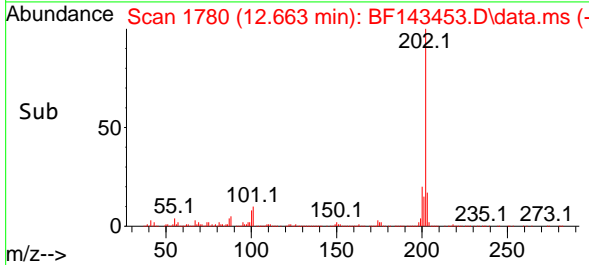
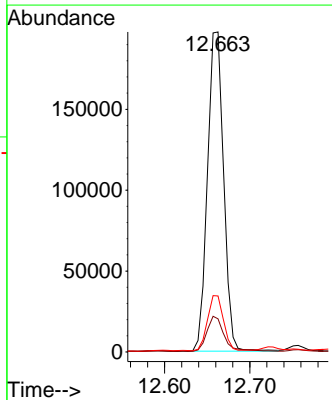
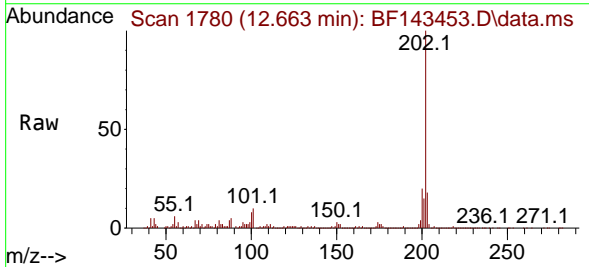
Instrument : BNA\_F  
 ClientSampleId : OU4-TS-GRILLO-TSCP05-081425

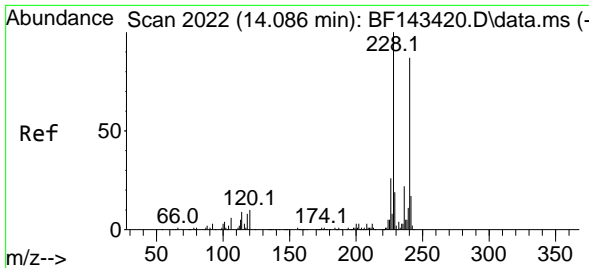
Tgt Ion	Resp	Lower	Upper
178	98842		
176	19.2	14.8	22.2
179	15.6	12.2	18.4



#75  
 Fluoranthene  
 Concen: 19.595 ng  
 RT: 12.663 min Scan# 1780  
 Delta R.T. -0.000 min  
 Lab File: BF143453.D  
 Acq: 19 Aug 2025 13:30

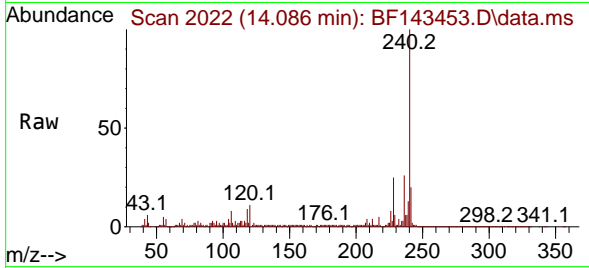
Tgt Ion	Resp	Lower	Upper
202	260342		
101	10.4	0.0	31.5
203	17.5	0.0	37.5



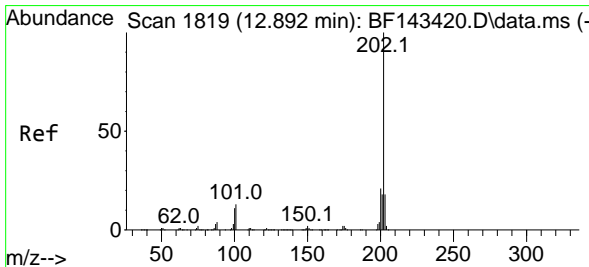
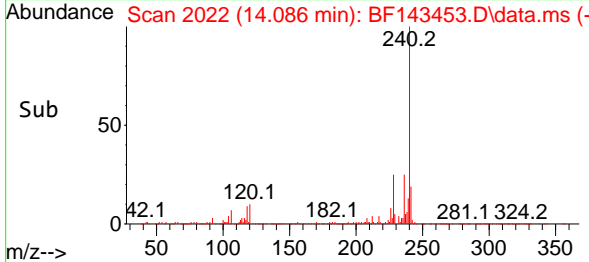
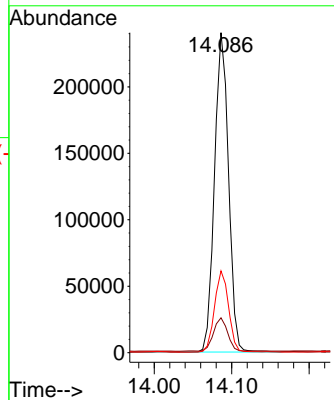


#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.086 min Scan# 20  
 Delta R.T. -0.000 min  
 Lab File: BF143453.D  
 Acq: 19 Aug 2025 13:30

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OU4-TS-GRILLO-TSCP05-081425

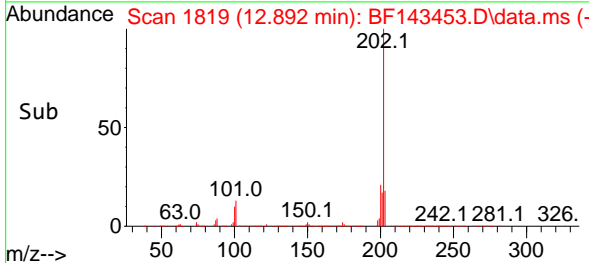
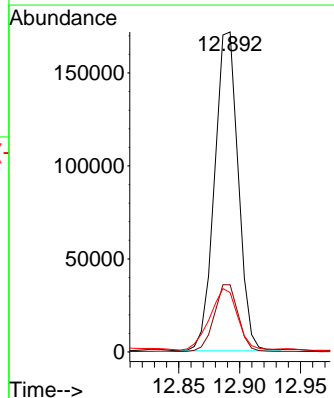
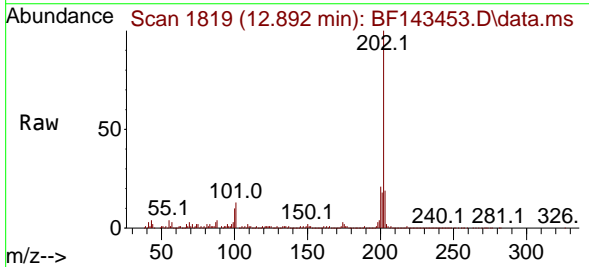


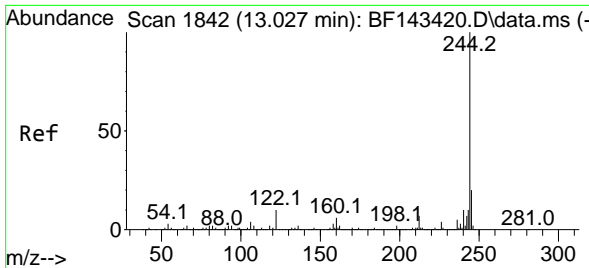
Tgt Ion:240 Resp: 302358  
 Ion Ratio Lower Upper  
 240 100  
 120 10.9 9.0 13.4  
 236 25.6 20.2 30.2



#78  
 Pyrene  
 Concen: 8.825 ng  
 RT: 12.892 min Scan# 1819  
 Delta R.T. -0.000 min  
 Lab File: BF143453.D  
 Acq: 19 Aug 2025 13:30

Tgt Ion:202 Resp: 231916  
 Ion Ratio Lower Upper  
 202 100  
 200 21.0 17.1 25.7  
 203 18.5 14.2 21.2



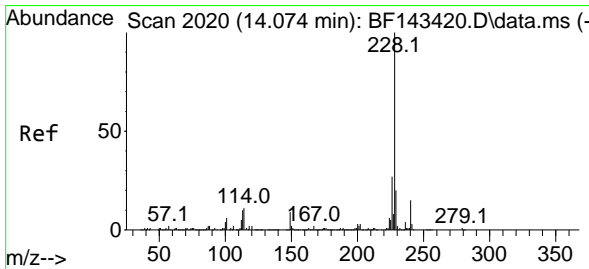
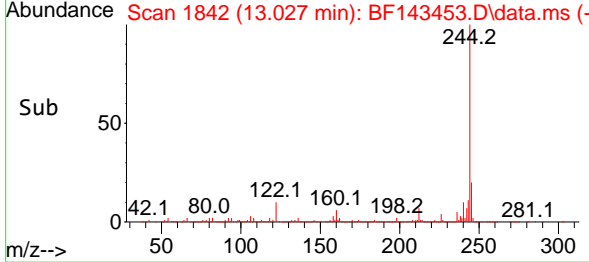
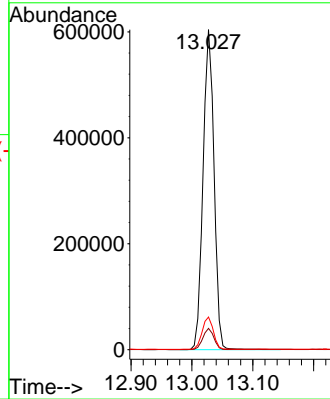
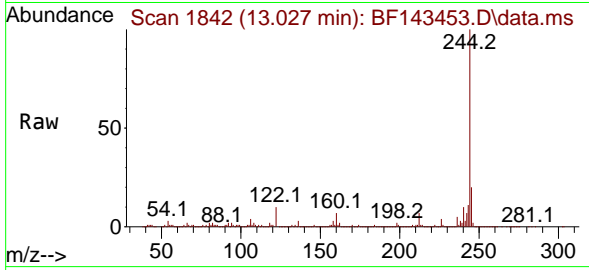


#79  
 Terphenyl-d14  
 Concen: 41.921 ng  
 RT: 13.027 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: BF143453.D  
 Acq: 19 Aug 2025 13:30

Instrument : BNA\_F  
 ClientSampleId : OU4-TS-GRILLO-TSCP05-081425

Tgt Ion:244 Resp: 754533

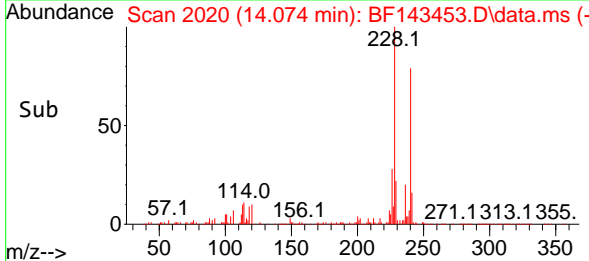
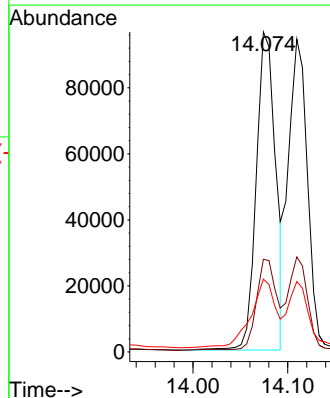
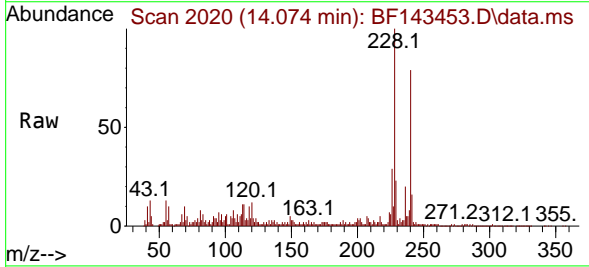
Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.2	7.8
122	10.2	8.3	12.5

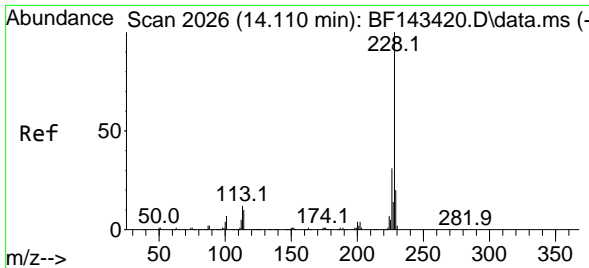


#81  
 Benzo(a)anthracene  
 Concen: 7.137 ng  
 RT: 14.074 min Scan# 2020  
 Delta R.T. -0.000 min  
 Lab File: BF143453.D  
 Acq: 19 Aug 2025 13:30

Tgt Ion:228 Resp: 137384

Ion	Ratio	Lower	Upper
228	100		
226	28.9	21.5	32.3
229	22.8	15.7	23.5

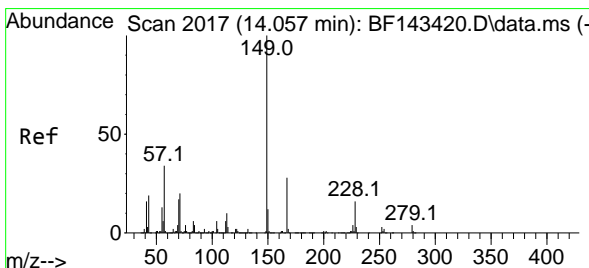
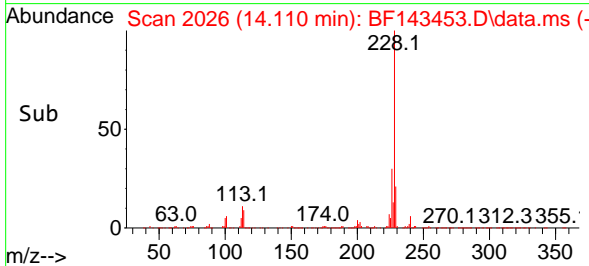
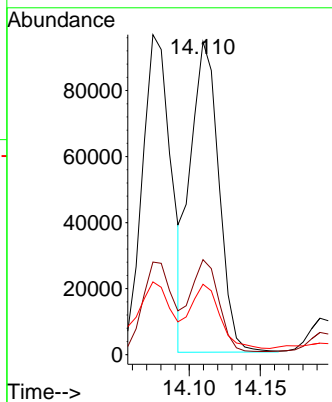
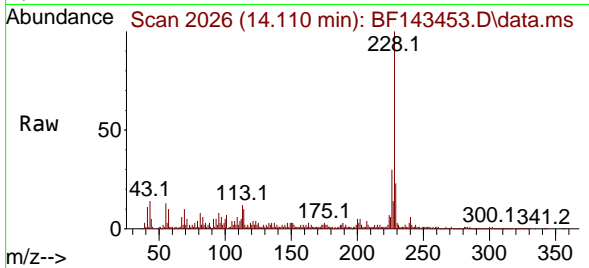




#83  
 Chrysene  
 Concen: 7.342 ng  
 RT: 14.110 min Scan# 2026  
 Delta R.T. -0.000 min  
 Lab File: BF143453.D  
 Acq: 19 Aug 2025 13:30

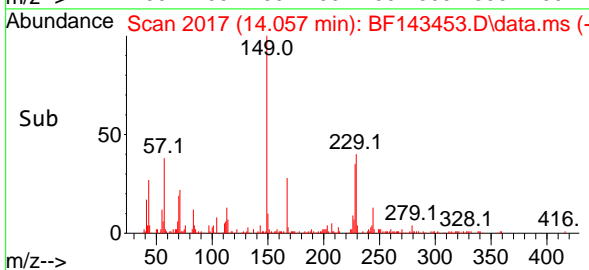
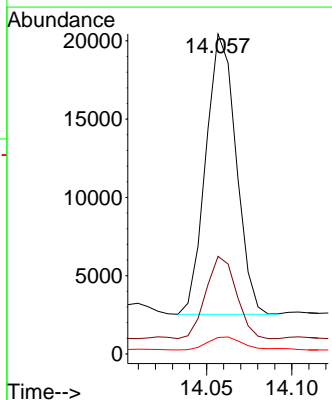
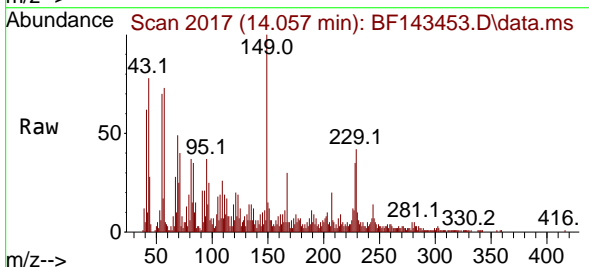
Instrument : BNA\_F  
 ClientSampleId : OU4-TS-GRILLO-TSCP05-081425

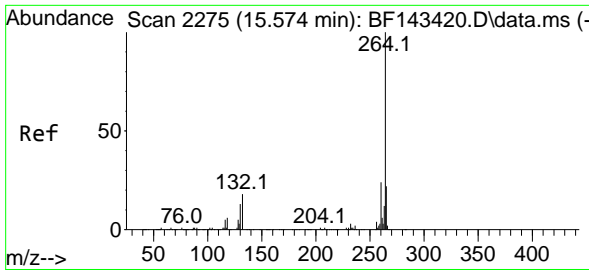
Tgt Ion	Resp	Lower	Upper
228	130659	100	100
226	30.4	24.3	36.5
229	22.5	16.1	24.1



#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 2.390 ng  
 RT: 14.057 min Scan# 2017  
 Delta R.T. -0.000 min  
 Lab File: BF143453.D  
 Acq: 19 Aug 2025 13:30

Tgt Ion	Resp	Lower	Upper
149	22096	100	100
167	30.5	22.6	33.8
279	5.2	3.5	5.3

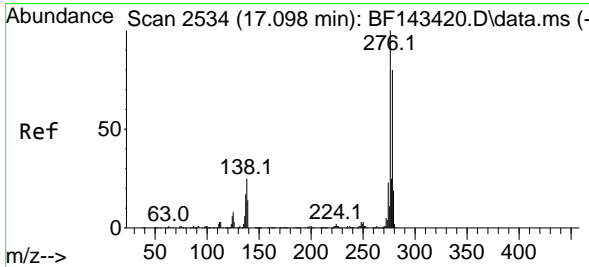
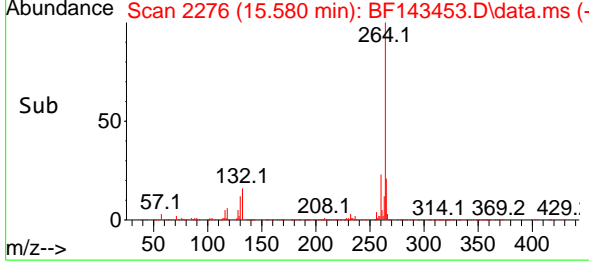
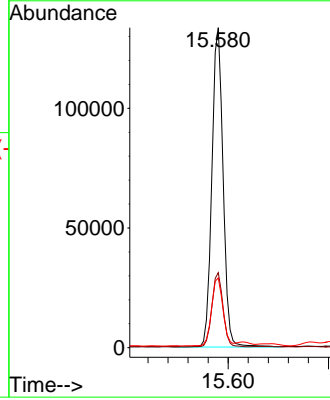
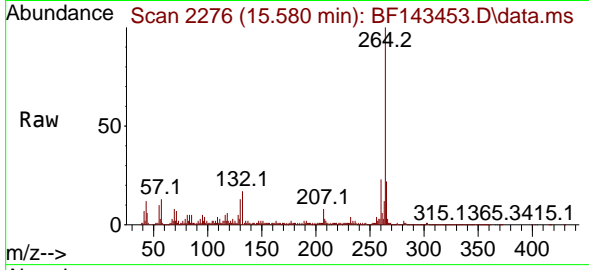




#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.580 min Scan# 21  
 Delta R.T. 0.006 min  
 Lab File: BF143453.D  
 Acq: 19 Aug 2025 13:30

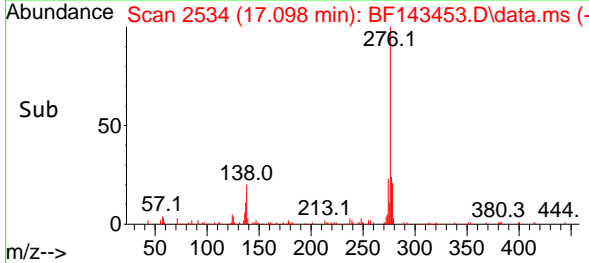
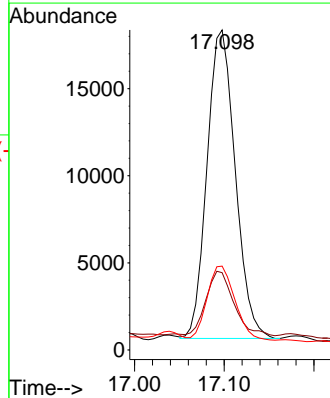
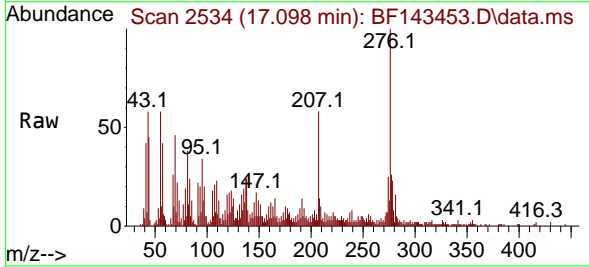
Instrument : BNA\_F  
 ClientSampleId : OU4-TS-GRILLO-TSCP05-081425

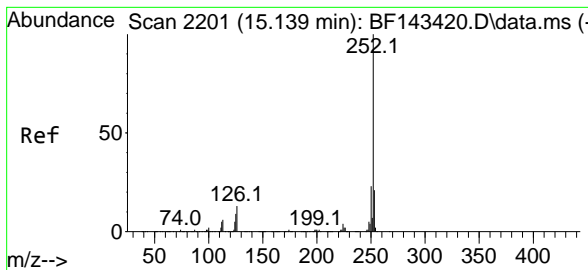
Tgt Ion	Resp	Lower	Upper
264	100		
260	23.5	18.8	28.2
265	21.8	17.4	26.0



#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 2.488 ng  
 RT: 17.098 min Scan# 2534  
 Delta R.T. -0.000 min  
 Lab File: BF143453.D  
 Acq: 19 Aug 2025 13:30

Tgt Ion	Resp	Lower	Upper
276	100		
138	21.1	20.2	30.4
277	23.9	20.2	30.2



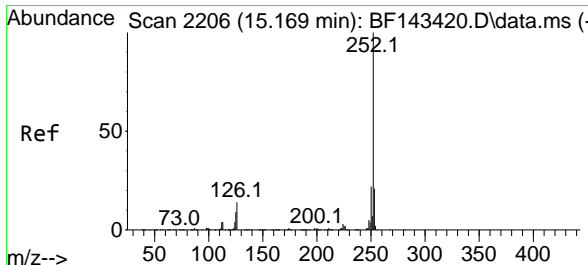
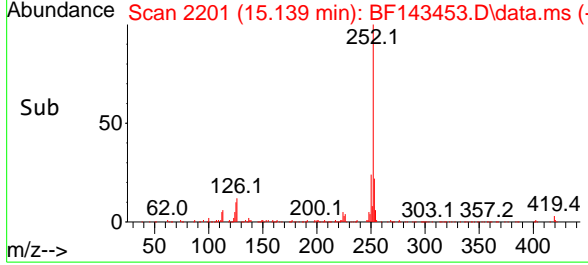
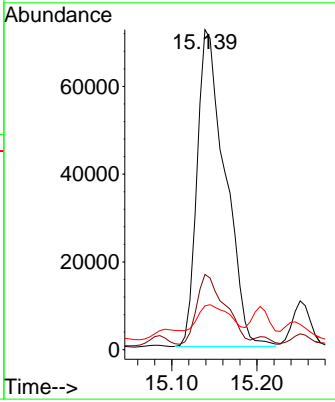
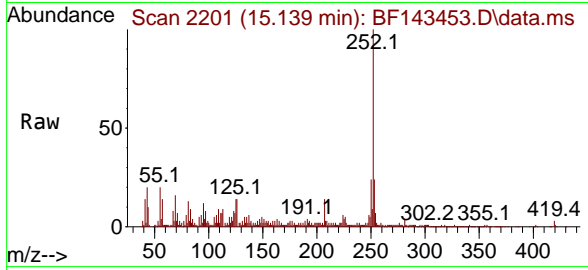


#88  
 Benzo(b)fluoranthene  
 Concen: 14.898 ng  
 RT: 15.139 min Scan# 2201  
 Delta R.T. -0.000 min  
 Lab File: BF143453.D  
 Acq: 19 Aug 2025 13:30

Instrument : BNA\_F  
 ClientSampleId : OU4-TS-GRILLO-TSCP05-081425

Tgt Ion:252 Resp: 165633

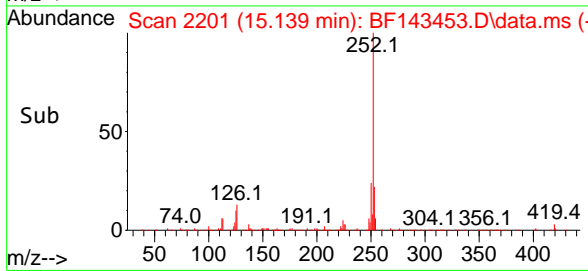
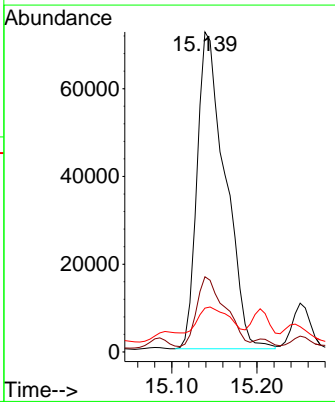
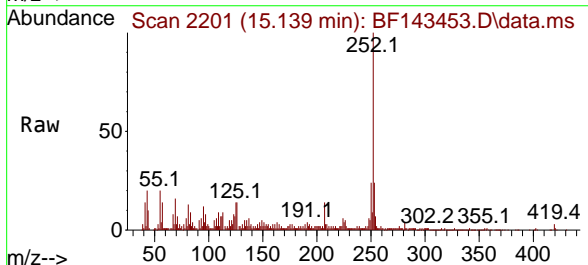
Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	13.7	7.5	11.3#



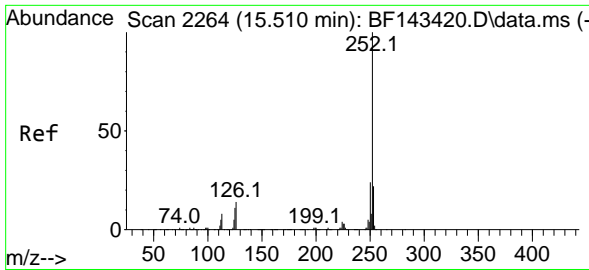
#89  
 Benzo(k)fluoranthene  
 Concen: 15.105 ng  
 RT: 15.139 min Scan# 2201  
 Delta R.T. -0.030 min  
 Lab File: BF143453.D  
 Acq: 19 Aug 2025 13:30

Tgt Ion:252 Resp: 165633

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.2	25.8
125	13.7	7.4	11.2#



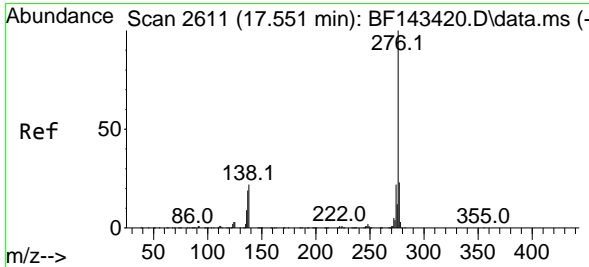
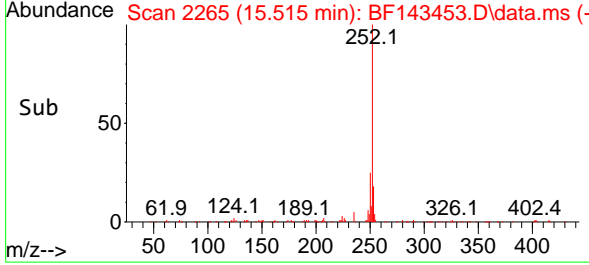
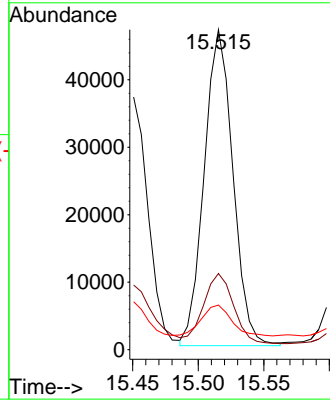
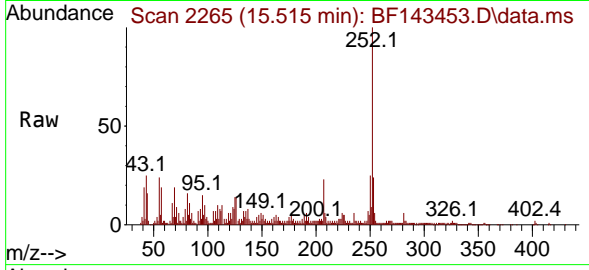




#90  
 Benzo(a)pyrene  
 Concen: 6.758 ng  
 RT: 15.515 min Scan# 21  
 Delta R.T. 0.006 min  
 Lab File: BF143453.D  
 Acq: 19 Aug 2025 13:30

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OU4-TS-GRILLO-TSCP05-081425

Tgt Ion	Resp	Lower	Upper
252	100		
253	23.8	17.4	26.2
125	14.0	8.6	12.8



#92  
 Benzo(g,h,i)perylene  
 Concen: 3.259 ng  
 RT: 17.562 min Scan# 2613  
 Delta R.T. 0.012 min  
 Lab File: BF143453.D  
 Acq: 19 Aug 2025 13:30

Tgt Ion	Resp	Lower	Upper
276	100		
277	25.0	18.7	28.1
138	23.3	17.5	26.3

