

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
 Data File : BF143456.D
 Acq On : 19 Aug 2025 14:57
 Operator : RC/JU
 Sample : Q2879-11
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-GRILLO-TSCP08-081425

Quant Time: Aug 19 15:23:55 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

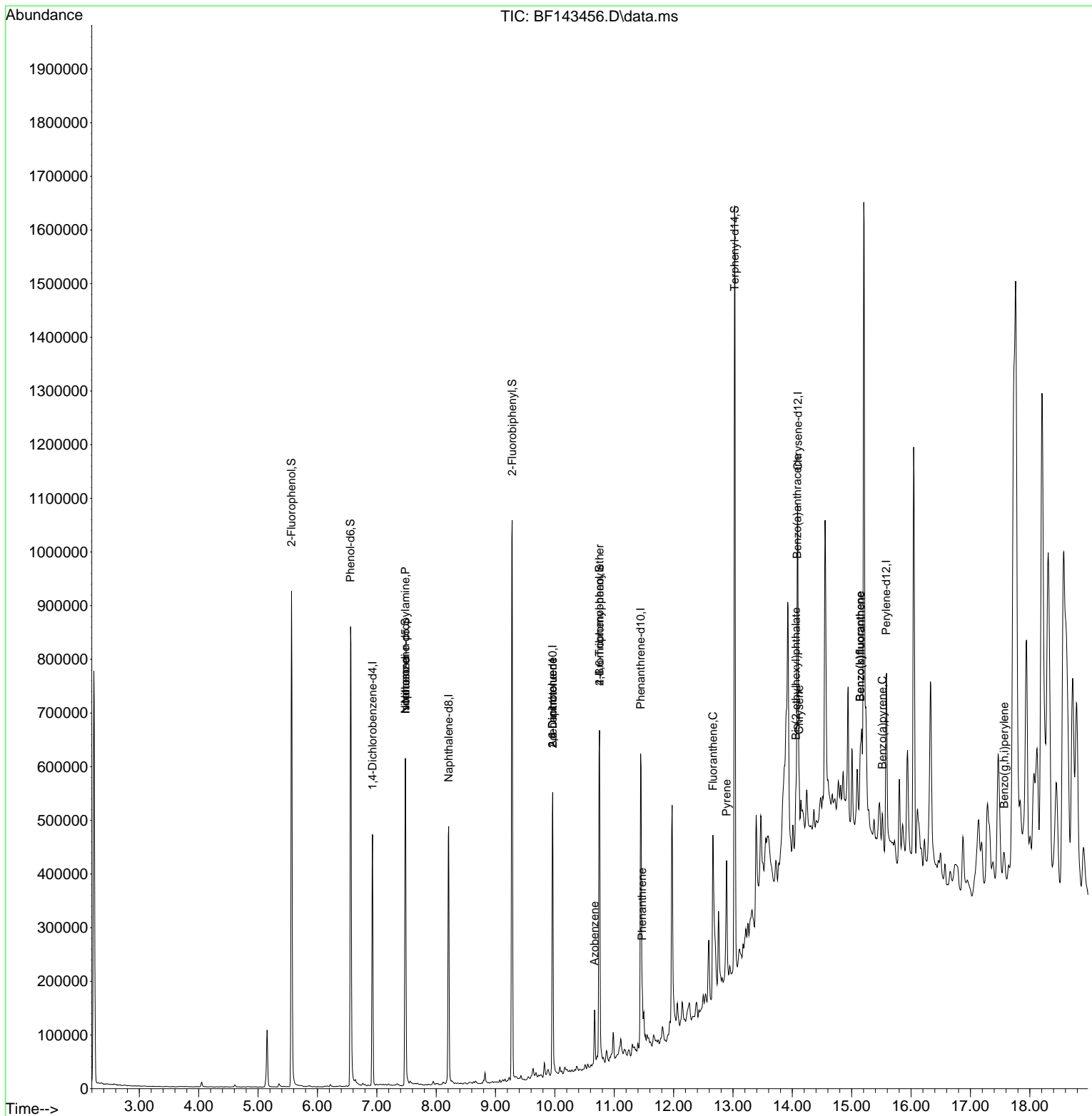
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	98829	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	307720	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	157233	20.000	ng	0.00
64) Phenanthrene-d10	11.445	188	284588	20.000	ng	0.00
76) Chrysene-d12	14.092	240	279953	20.000	ng	0.00
86) Perylene-d12	15.580	264	184800	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	340026	59.808	ng	0.00
7) Phenol-d6	6.557	99	406539	56.741	ng	0.00
23) Nitrobenzene-d5	7.481	82	256663	49.493	ng	0.00
42) 2,4,6-Tribromophenol	10.751	330	104537	74.696	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	470643	50.347	ng	0.00
79) Terphenyl-d14	13.027	244	695073	41.708	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.481	70	34683	7.819	ng	# 80
25) Isophorone	7.481	82	249861	25.174	ng	# 65
51) 2,6-Dinitrotoluene	9.963	165	20723	10.724	ng	# 25
57) 2,4-Dinitrotoluene	9.963	165	20939	8.127	ng	# 25
63) Azobenzene	10.669	77	23611	2.579	ng	# 1
67) 4-Bromophenyl-phenylether	10.751	248	7225	2.150	ng	# 1
71) Phenanthrene	11.469	178	42555	2.761	ng	98
75) Fluoranthene	12.663	202	142859	10.433	ng	99
78) Pyrene	12.892	202	128011	5.261	ng	99
81) Benzo(a)anthracene	14.080	228	75556	4.239	ng	92
83) Chrysene	14.116	228	68136	4.135	ng	97
84) Bis(2-ethylhexyl)phtha...	14.063	149	37889	4.427	ng	99
88) Benzo(b)fluoranthene	15.145	252	93741	9.464	ng	# 86
89) Benzo(k)fluoranthene	15.145	252	93741	9.596	ng	# 86
90) Benzo(a)pyrene	15.516	252	40067	4.247	ng	# 87
92) Benzo(g,h,i)perylene	17.568	276	28343	2.549	ng	# 91

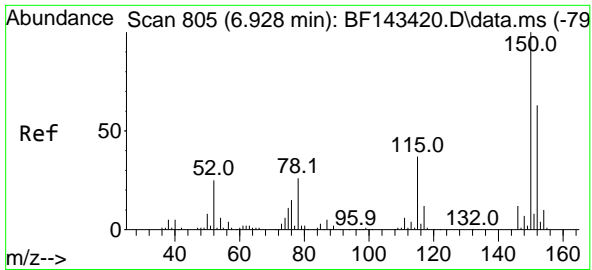
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
 Data File : BF143456.D
 Acq On : 19 Aug 2025 14:57
 Operator : RC/JU
 Sample : Q2879-11
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-GRILLO-TSCP08-081425

Quant Time: Aug 19 15:23:55 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

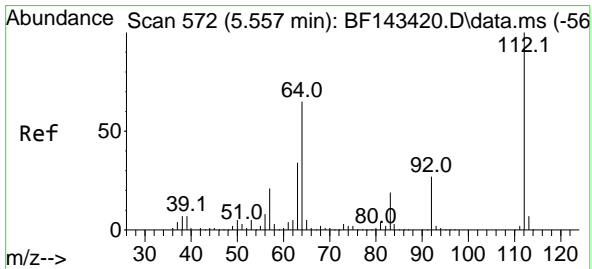
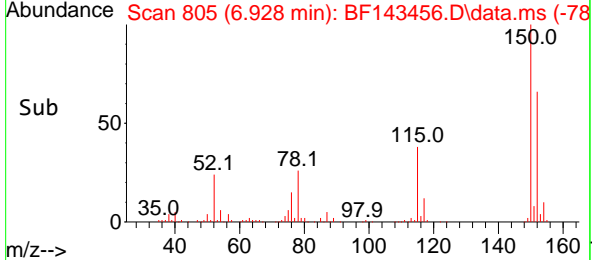
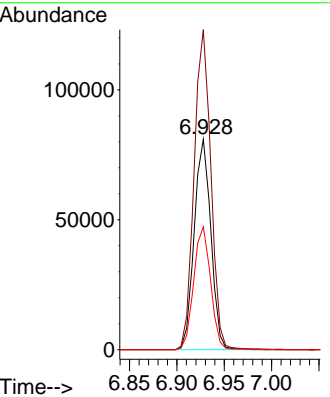
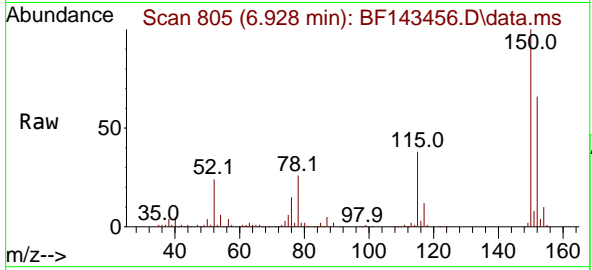




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.928 min Scan# 805
 Delta R.T. -0.000 min
 Lab File: BF143456.D
 Acq: 19 Aug 2025 14:57

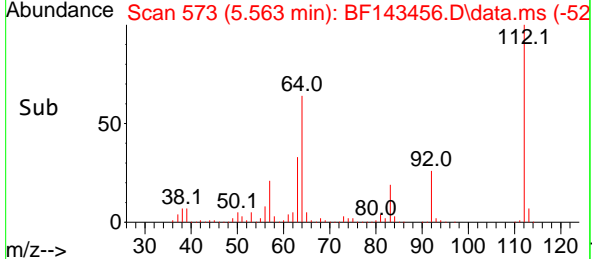
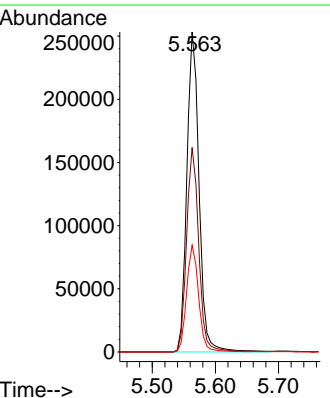
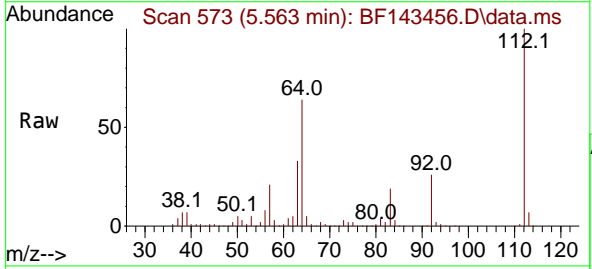
Instrument : BNA_F
 ClientSampleId : OU4-TS-GRILLO-TSCP08-081425

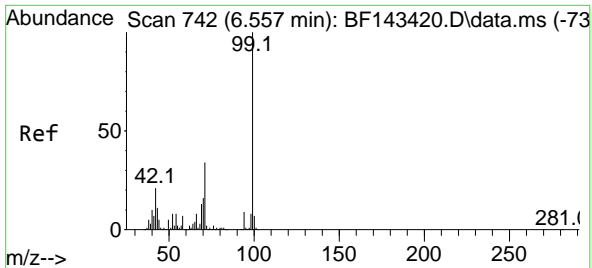
Tgt Ion:152 Resp: 98829
 Ion Ratio Lower Upper
 152 100
 150 152.0 127.4 191.2
 115 58.4 47.5 71.3



#5
 2-Fluorophenol
 Concen: 59.808 ng
 RT: 5.563 min Scan# 573
 Delta R.T. 0.006 min
 Lab File: BF143456.D
 Acq: 19 Aug 2025 14:57

Tgt Ion:112 Resp: 340026
 Ion Ratio Lower Upper
 112 100
 64 63.9 52.2 78.2
 63 33.4 27.0 40.6



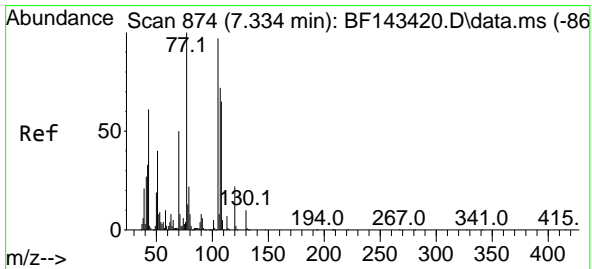
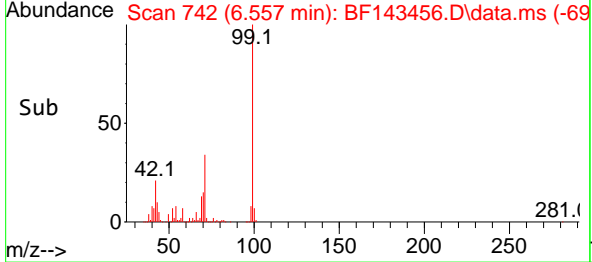
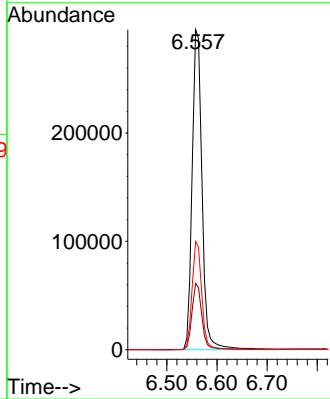
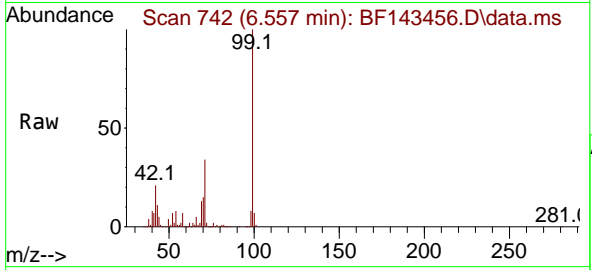


#7
 Phenol-d6
 Concen: 56.741 ng
 RT: 6.557 min Scan# 742
 Delta R.T. -0.000 min
 Lab File: BF143456.D
 Acq: 19 Aug 2025 14:57

Instrument : BNA_F
 ClientSampleId : OU4-TS-GRILLO-TSCP08-081425

Tgt Ion: 99 Resp: 406539

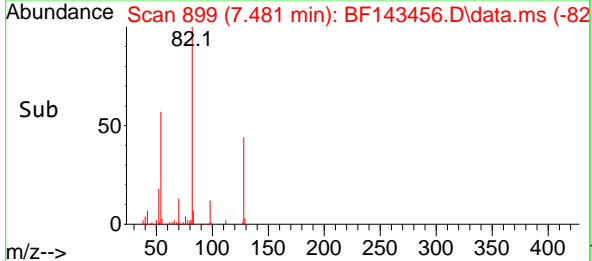
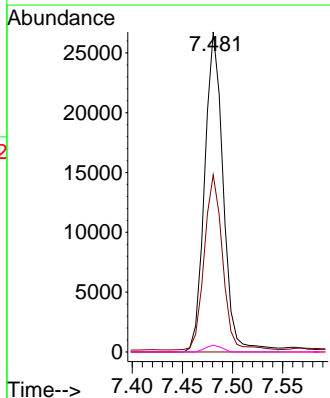
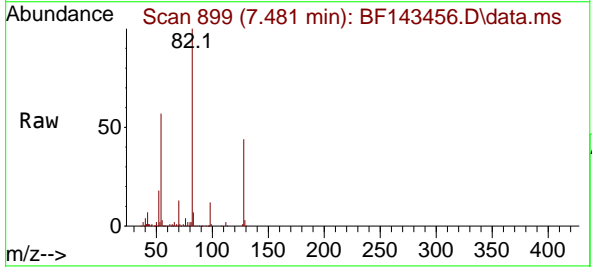
Ion	Ratio	Lower	Upper
99	100		
42	20.7	17.0	25.6
71	33.8	27.4	41.2

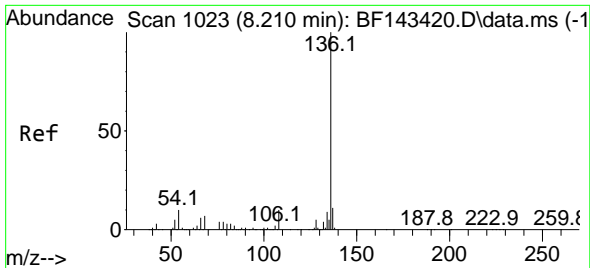


#19
 n-Nitroso-di-n-propylamine
 Concen: 7.819 ng
 RT: 7.481 min Scan# 899
 Delta R.T. 0.147 min
 Lab File: BF143456.D
 Acq: 19 Aug 2025 14:57

Tgt Ion: 70 Resp: 34683

Ion	Ratio	Lower	Upper
70	100		
42	55.3	52.5	78.7
101	0.0	7.9	11.9#
130	2.1	16.0	24.0#



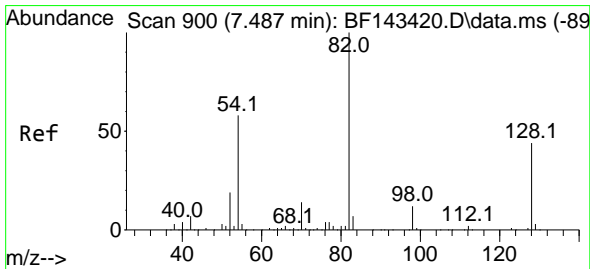
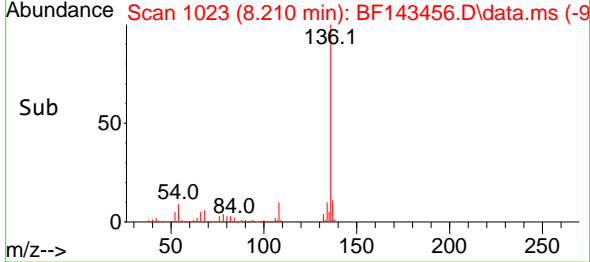
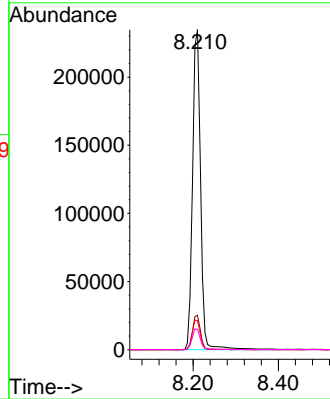
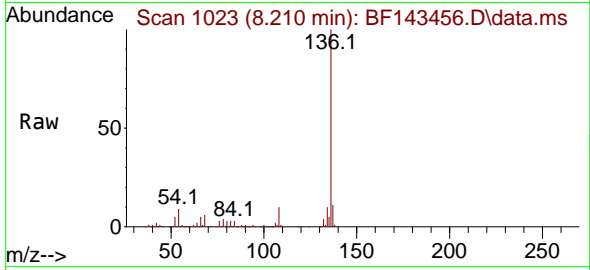


#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 8.210 min Scan# 1023
 Delta R.T. 0.000 min
 Lab File: BF143456.D
 Acq: 19 Aug 2025 14:57

Instrument : BNA_F
 ClientSampleId : OU4-TS-GRILLO-TSCP08-081425

Tgt Ion:136 Resp: 307720

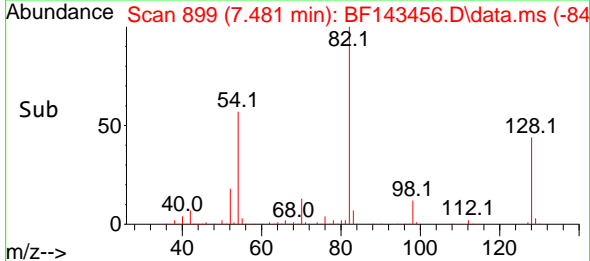
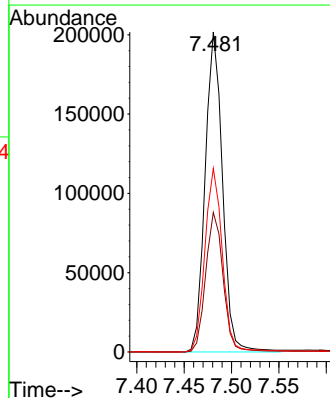
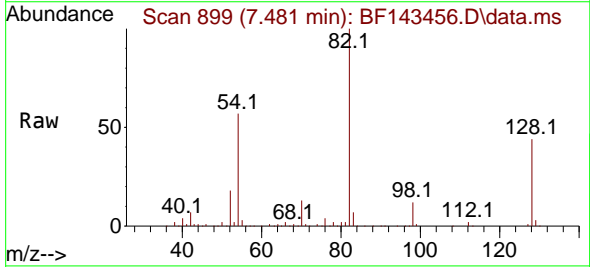
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	9.1	7.8	11.8
68	6.4	5.2	7.8

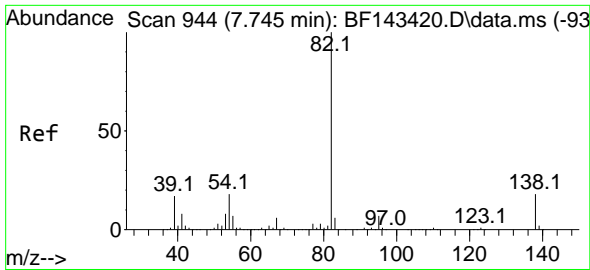


#23
 Nitrobenzene-d5
 Concen: 49.493 ng
 RT: 7.481 min Scan# 899
 Delta R.T. -0.006 min
 Lab File: BF143456.D
 Acq: 19 Aug 2025 14:57

Tgt Ion: 82 Resp: 256663

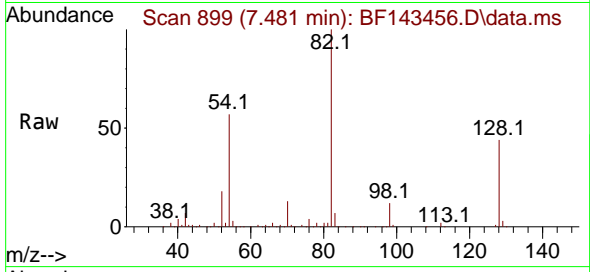
Ion	Ratio	Lower	Upper
82	100		
128	43.6	34.6	52.0
54	57.3	46.0	69.0



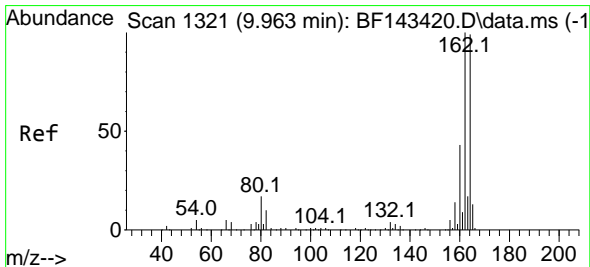
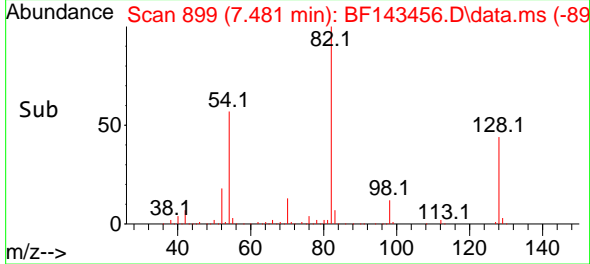
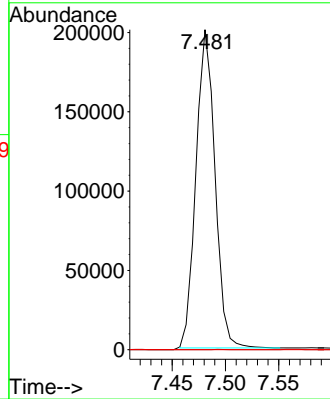


#25
 Isophorone
 Concen: 25.174 ng
 RT: 7.481 min Scan# 899
 Delta R.T. -0.265 min
 Lab File: BF143456.D
 Acq: 19 Aug 2025 14:57

Instrument : BNA_F
 ClientSampleId : OU4-TS-GRILLO-TSCP08-081425

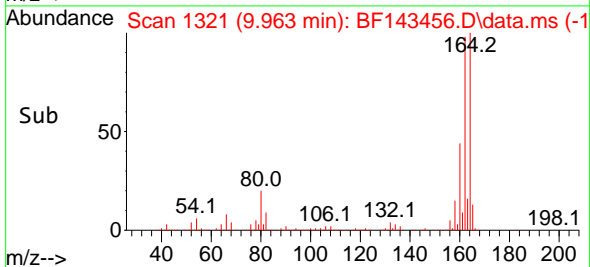
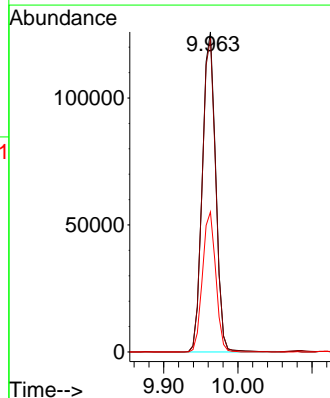
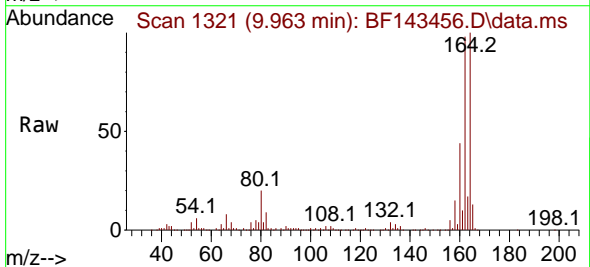


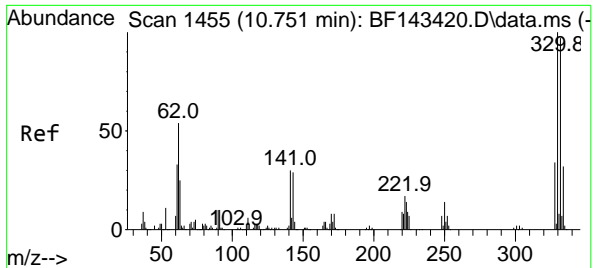
Tgt Ion: 82 Resp: 249861
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.6 8.4#
 138 0.0 14.3 21.5#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.963 min Scan# 1321
 Delta R.T. -0.000 min
 Lab File: BF143456.D
 Acq: 19 Aug 2025 14:57

Tgt Ion: 164 Resp: 157233
 Ion Ratio Lower Upper
 164 100
 162 98.1 80.6 121.0
 160 43.7 34.6 51.8



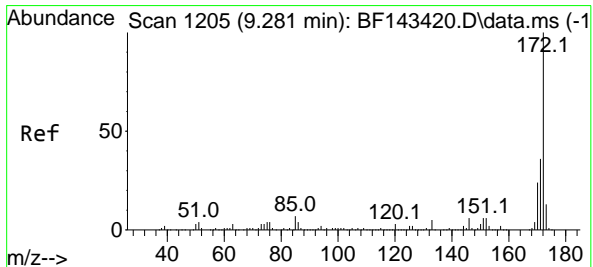
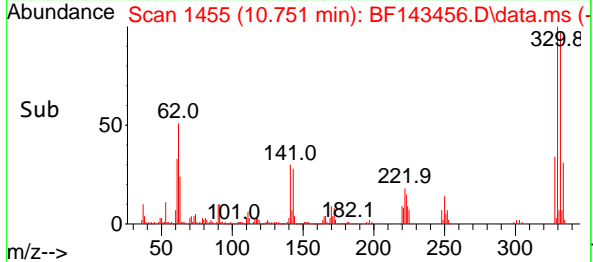
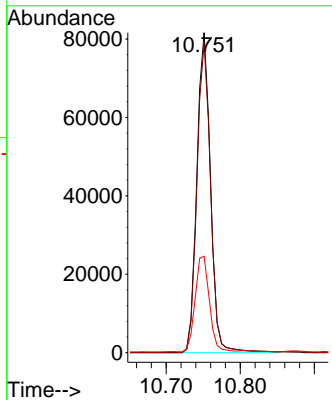
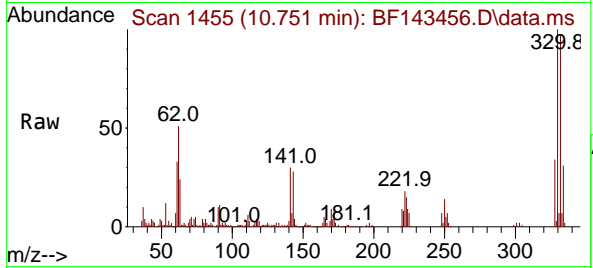


#42
 2,4,6-Tribromophenol
 Concen: 74.696 ng
 RT: 10.751 min Scan# 1455
 Delta R.T. -0.000 min
 Lab File: BF143456.D
 Acq: 19 Aug 2025 14:57

Instrument : BNA_F
 ClientSampleId : OU4-TS-GRILLO-TSCP08-081425

Tgt Ion: 330 Resp: 104537

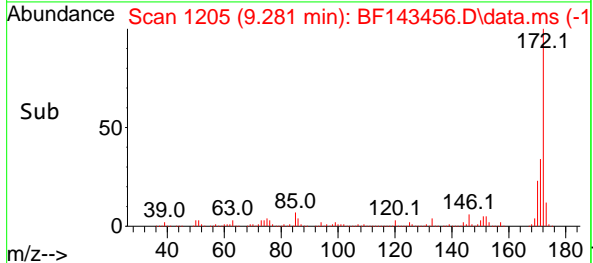
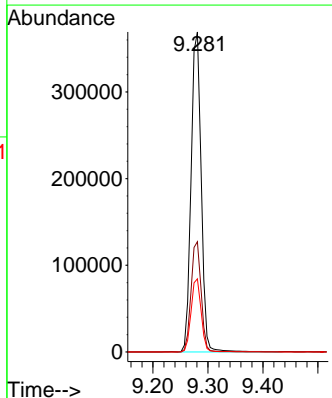
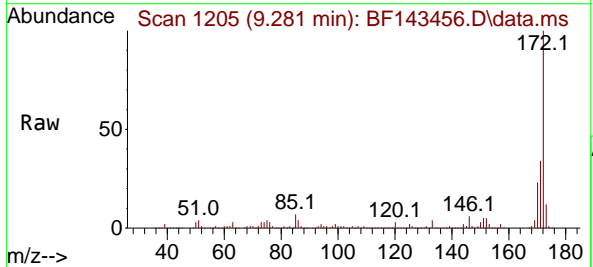
Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.4	116.2
141	30.9	24.1	36.1

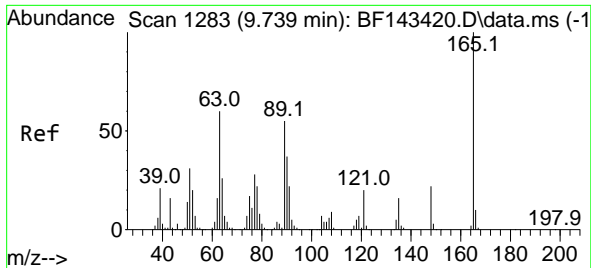


#45
 2-Fluorobiphenyl
 Concen: 50.347 ng
 RT: 9.281 min Scan# 1205
 Delta R.T. -0.000 min
 Lab File: BF143456.D
 Acq: 19 Aug 2025 14:57

Tgt Ion: 172 Resp: 470643

Ion	Ratio	Lower	Upper
172	100		
171	34.5	28.7	43.1
170	22.9	19.0	28.6



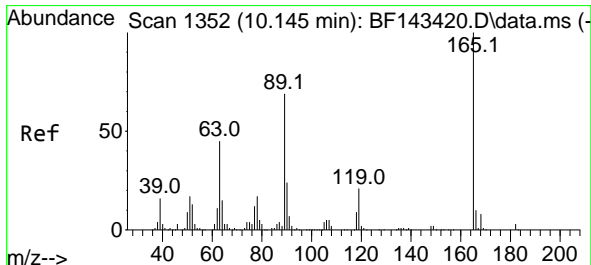
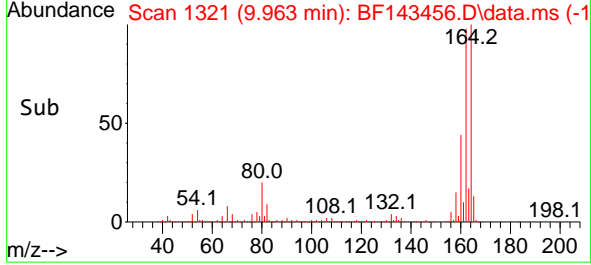
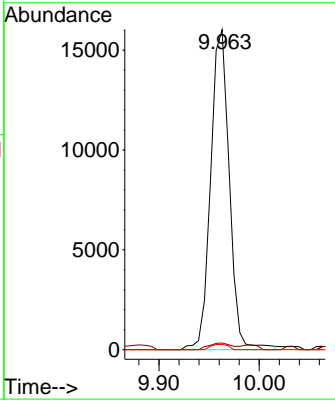
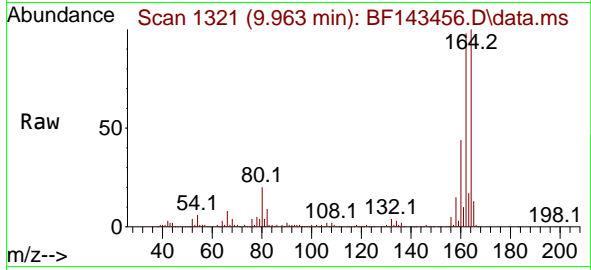


#51
 2,6-Dinitrotoluene
 Concen: 10.724 ng
 RT: 9.963 min Scan# 11
 Delta R.T. 0.223 min
 Lab File: BF143456.D
 Acq: 19 Aug 2025 14:57

Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-GRILLO-TSCP08-081425

Tgt Ion:165 Resp: 20723

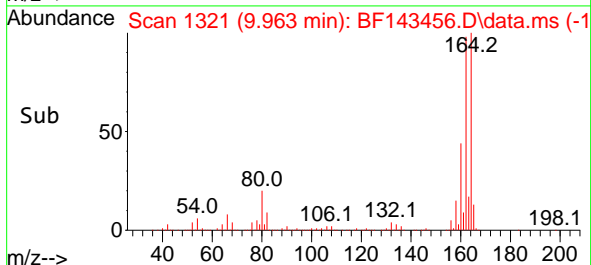
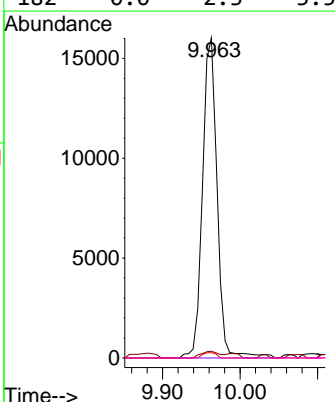
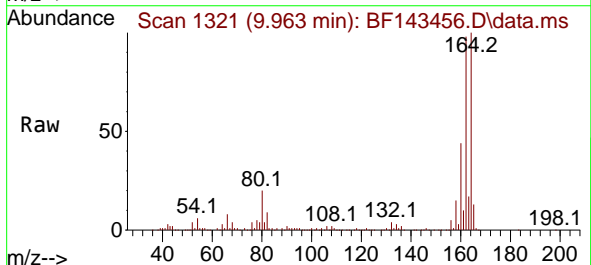
Ion	Ratio	Lower	Upper
165	100		
63	2.1	48.2	72.2#
89	1.7	44.2	66.2#

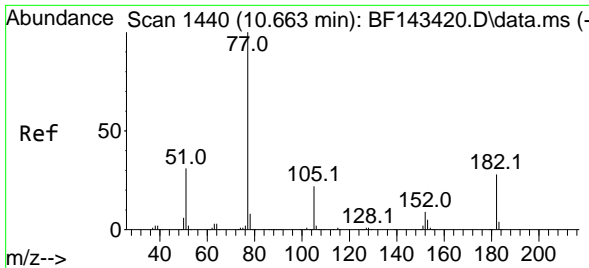


#57
 2,4-Dinitrotoluene
 Concen: 8.127 ng
 RT: 9.963 min Scan# 1321
 Delta R.T. -0.182 min
 Lab File: BF143456.D
 Acq: 19 Aug 2025 14:57

Tgt Ion:165 Resp: 20939

Ion	Ratio	Lower	Upper
165	100		
63	2.1	37.0	55.6#
89	1.7	55.4	83.0#
182	0.0	2.3	3.5#

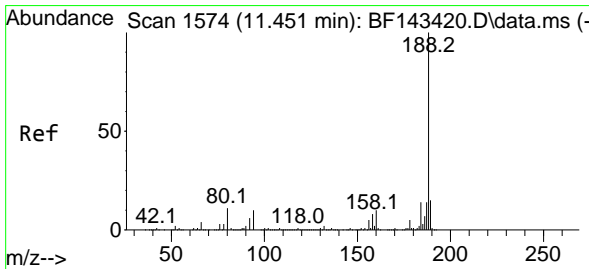
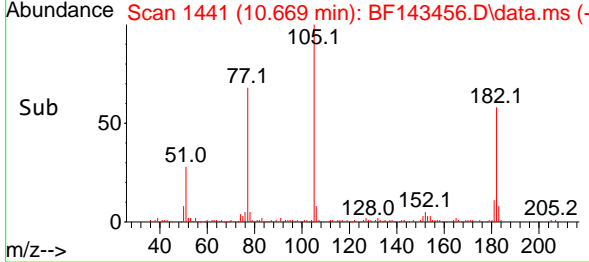
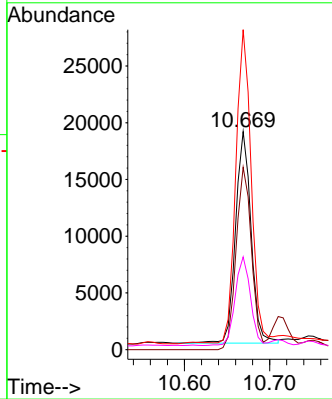
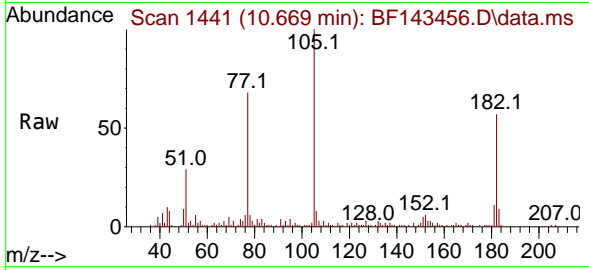




#63
 Azobenzene
 Concen: 2.579 ng
 RT: 10.669 min Scan# 14
 Delta R.T. 0.006 min
 Lab File: BF143456.D
 Acq: 19 Aug 2025 14:57

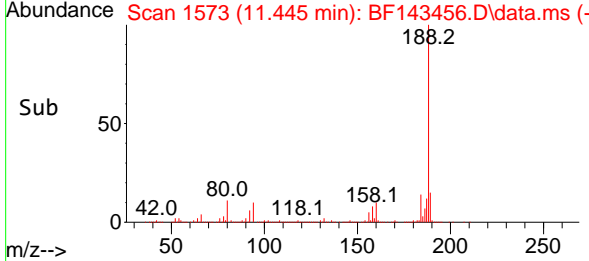
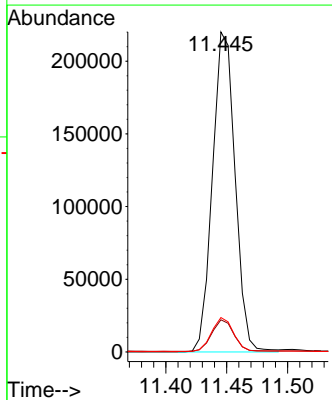
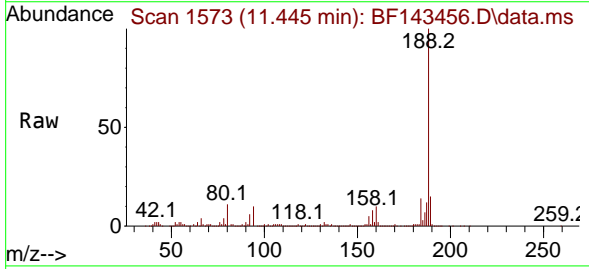
Instrument : BNA_F
 ClientSampleId : OU4-TS-GRILLO-TSCP08-081425

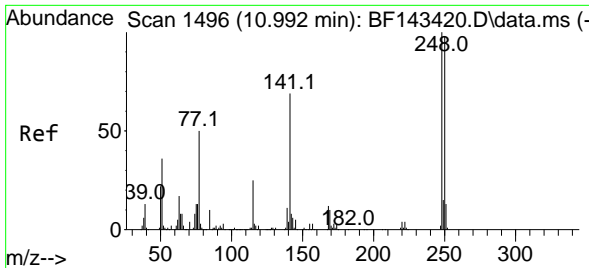
Tgt Ion	Resp	Lower	Upper
77	100		
182	83.6	7.4	47.4#
105	146.8	1.7	41.7#
51	42.6	12.4	52.4



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.445 min Scan# 1573
 Delta R.T. -0.006 min
 Lab File: BF143456.D
 Acq: 19 Aug 2025 14:57

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

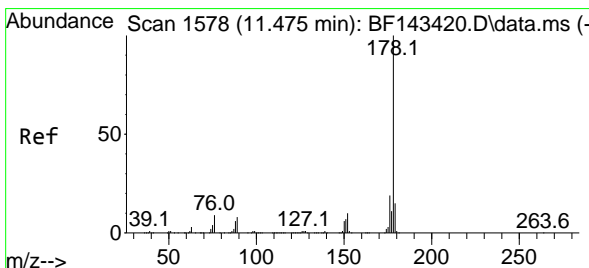
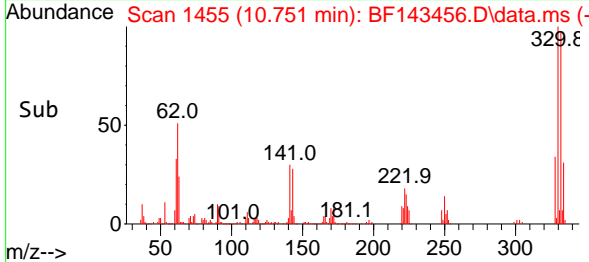
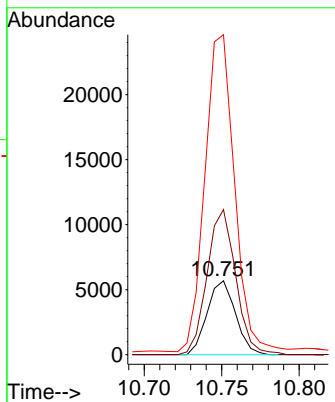
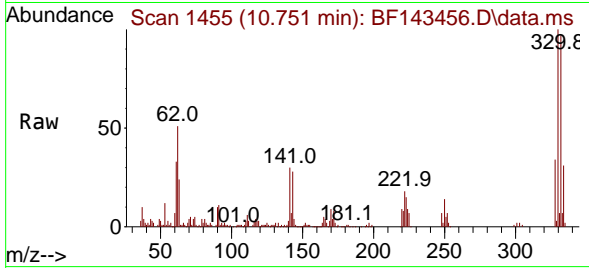




#67
 4-Bromophenyl-phenylether
 Concen: 2.150 ng
 RT: 10.751 min Scan# 1496
 Delta R.T. -0.241 min
 Lab File: BF143456.D
 Acq: 19 Aug 2025 14:57

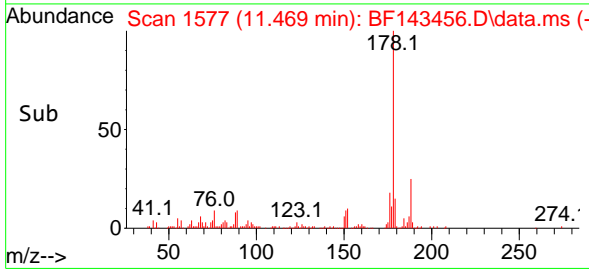
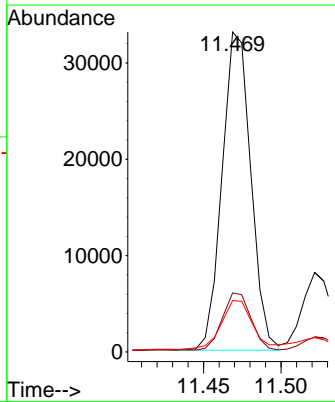
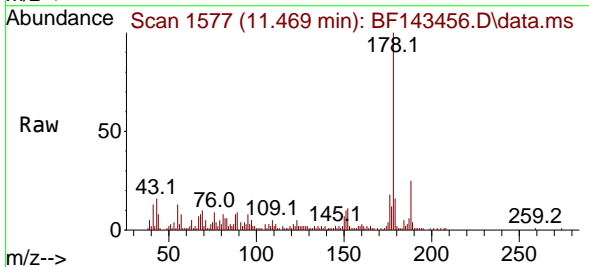
Instrument : BNA_F
 ClientSampleId : OU4-TS-GRILLO-TSCP08-081425

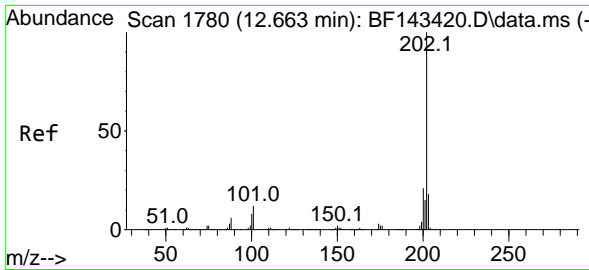
Tgt Ion	Resp	Lower	Upper
248	100		
250	196.3	78.6	118.0#
141	432.9	54.9	82.3#



#71
 Phenanthrene
 Concen: 2.761 ng
 RT: 11.469 min Scan# 1577
 Delta R.T. -0.006 min
 Lab File: BF143456.D
 Acq: 19 Aug 2025 14:57

Tgt Ion	Resp	Lower	Upper
178	100		
176	18.4	15.4	23.0
179	16.0	12.3	18.5



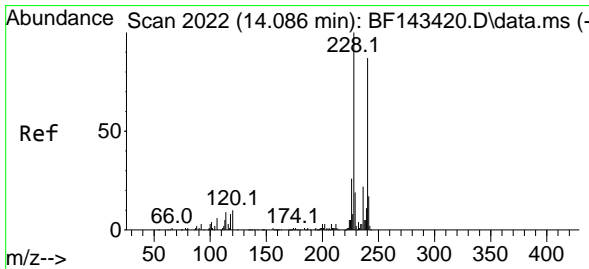
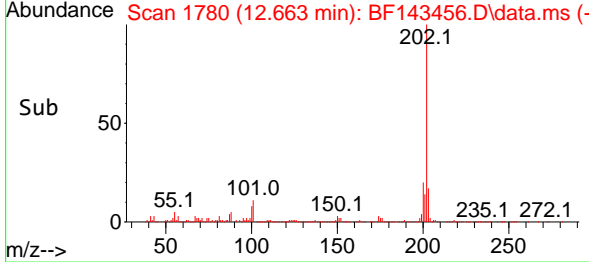
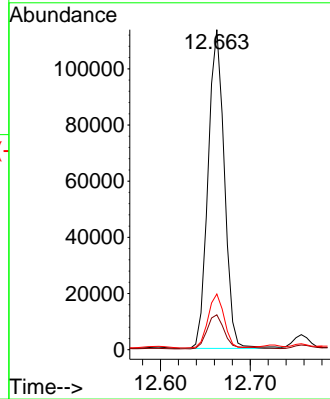
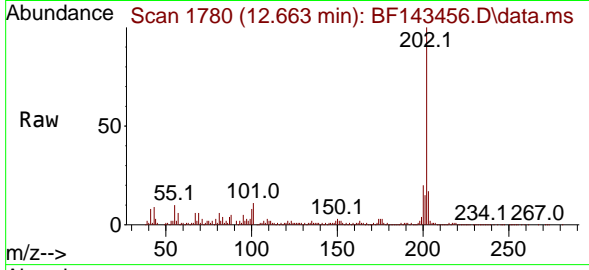


#75
 Fluoranthene
 Concen: 10.433 ng
 RT: 12.663 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: BF143456.D
 Acq: 19 Aug 2025 14:57

Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-GRILLO-TSCP08-081425

Tgt Ion:202 Resp: 142859

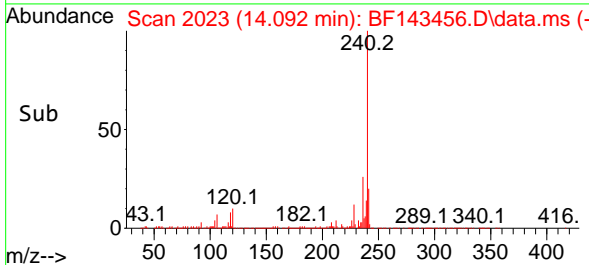
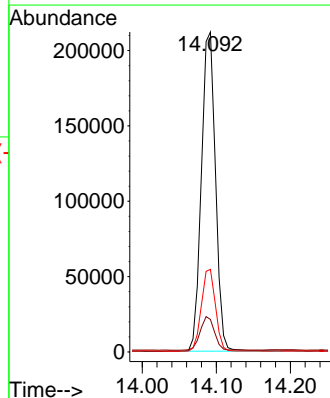
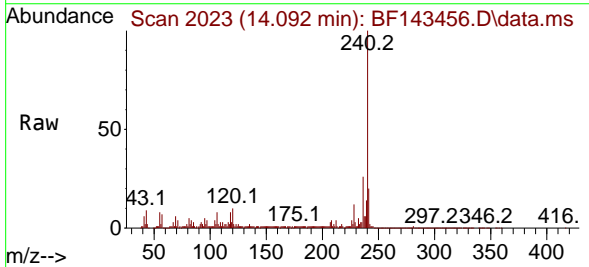
Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	31.5
203	17.4	0.0	37.5

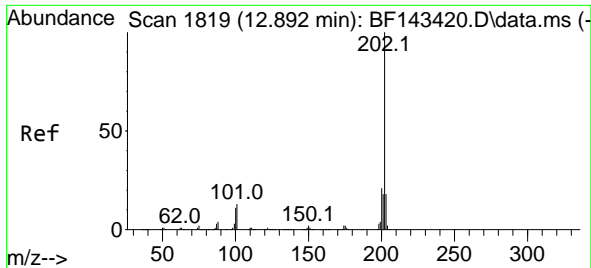


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.092 min Scan# 2023
 Delta R.T. 0.006 min
 Lab File: BF143456.D
 Acq: 19 Aug 2025 14:57

Tgt Ion:240 Resp: 279953

Ion	Ratio	Lower	Upper
240	100		
120	10.1	9.0	13.4
236	25.8	20.2	30.2

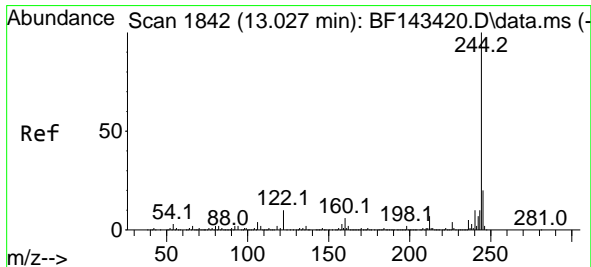
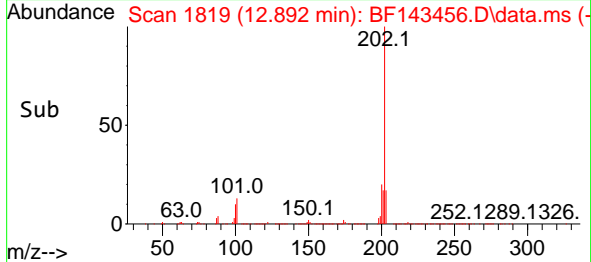
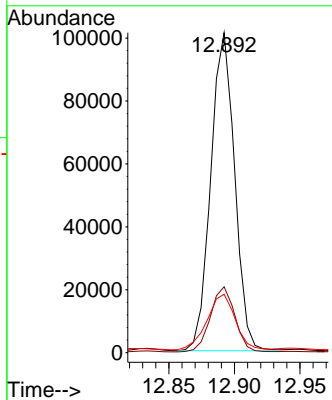
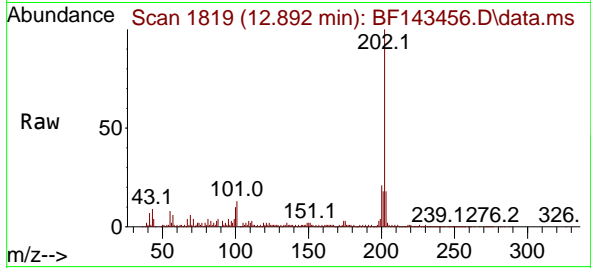




#78
 Pyrene
 Concen: 5.261 ng
 RT: 12.892 min Scan# 1819
 Delta R.T. -0.000 min
 Lab File: BF143456.D
 Acq: 19 Aug 2025 14:57

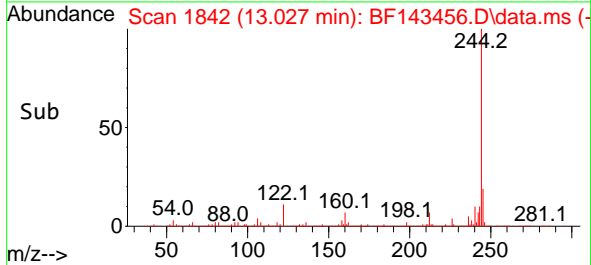
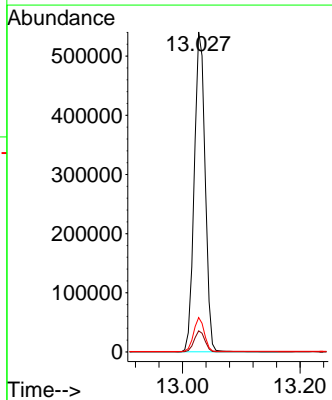
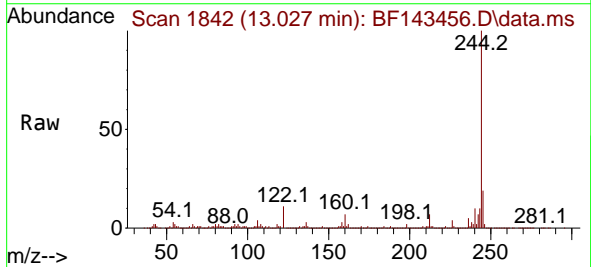
Instrument : BNA_F
 ClientSampleId : OU4-TS-GRILLO-TSCP08-081425

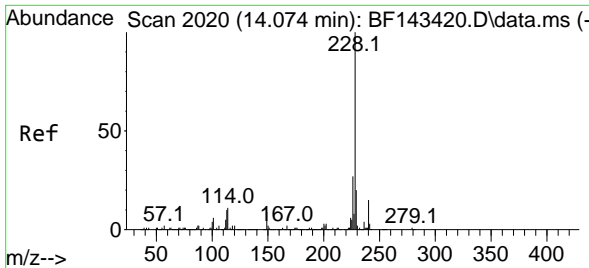
Tgt Ion	Resp	Lower	Upper
202	128011		
200	20.6	17.1	25.7
203	18.3	14.2	21.2



#79
 Terphenyl-d14
 Concen: 41.708 ng
 RT: 13.027 min Scan# 1842
 Delta R.T. -0.000 min
 Lab File: BF143456.D
 Acq: 19 Aug 2025 14:57

Tgt Ion	Resp	Lower	Upper
244	695073		
212	6.6	5.2	7.8
122	10.7	8.3	12.5

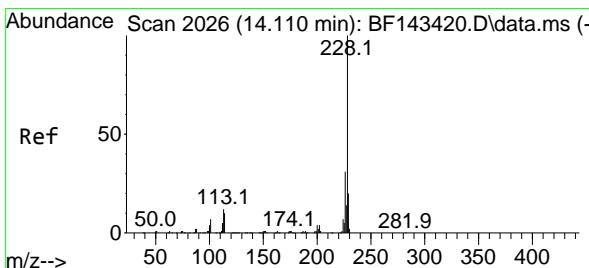
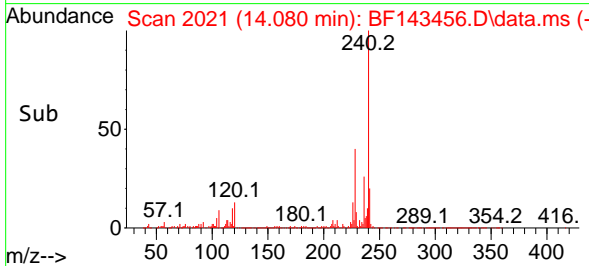
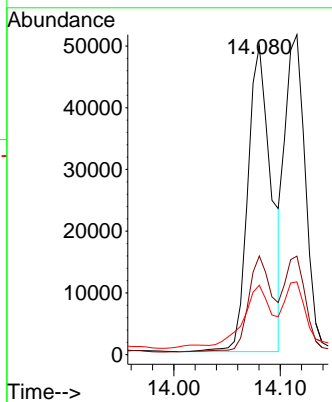
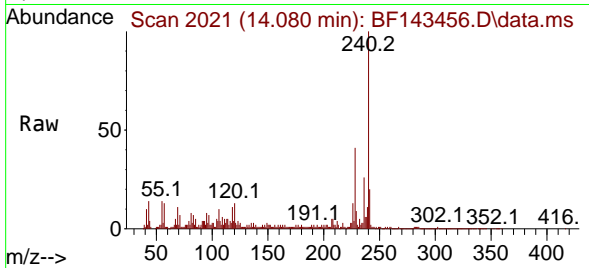




#81
 Benzo(a)anthracene
 Concen: 4.239 ng
 RT: 14.080 min Scan# 2020
 Delta R.T. 0.006 min
 Lab File: BF143456.D
 Acq: 19 Aug 2025 14:57

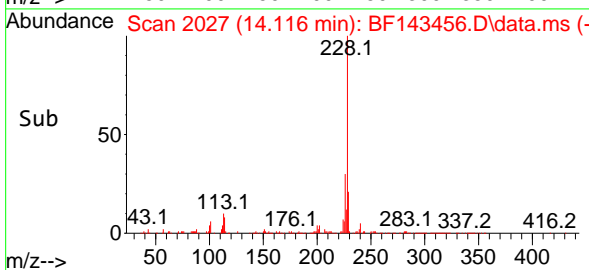
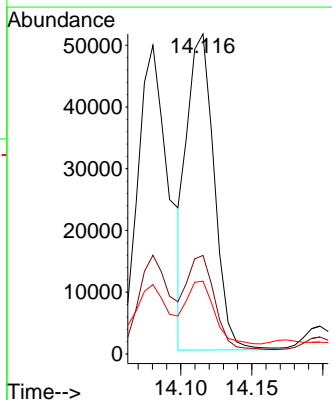
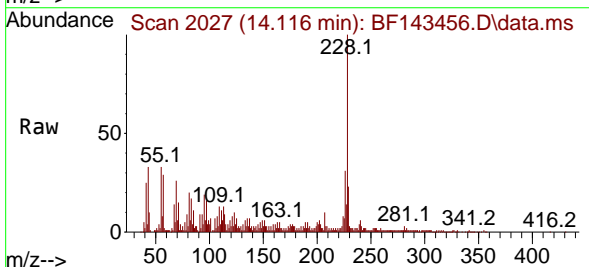
Instrument : BNA_F
 ClientSampleId : OU4-TS-GRILLO-TSCP08-081425

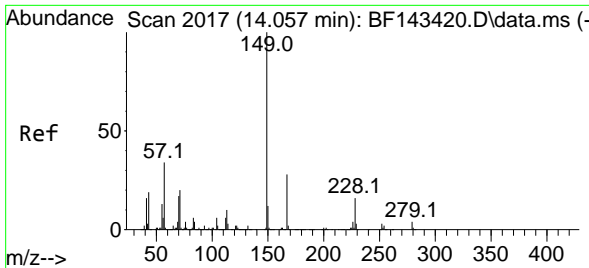
Tgt Ion	Resp	Lower	Upper
228	100		
226	32.0	21.5	32.3
229	22.5	15.7	23.5



#83
 Chrysene
 Concen: 4.135 ng
 RT: 14.116 min Scan# 2027
 Delta R.T. 0.006 min
 Lab File: BF143456.D
 Acq: 19 Aug 2025 14:57

Tgt Ion	Resp	Lower	Upper
228	100		
226	30.8	24.3	36.5
229	22.8	16.1	24.1

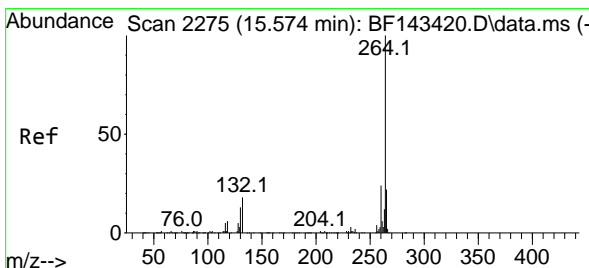
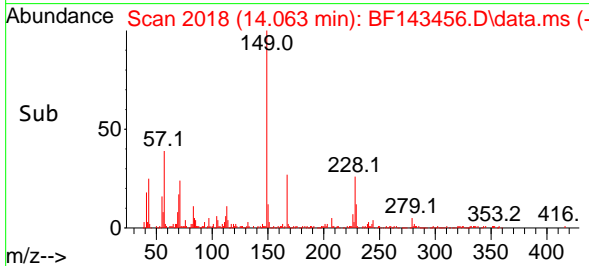
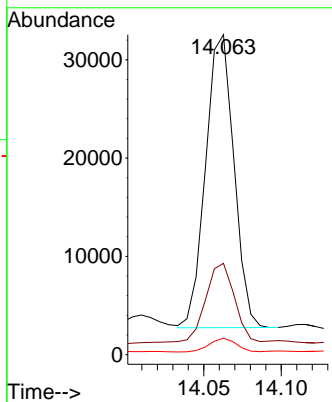
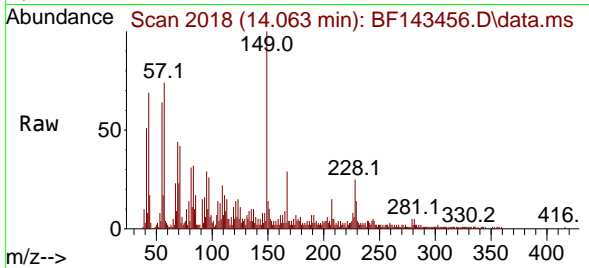




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.427 ng
 RT: 14.063 min Scan# 2018
 Delta R.T. 0.006 min
 Lab File: BF143456.D
 Acq: 19 Aug 2025 14:57

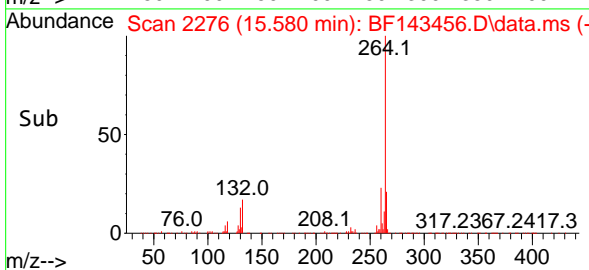
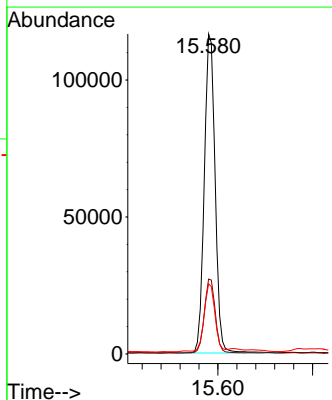
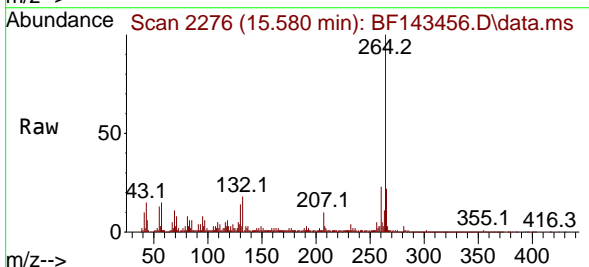
Instrument : BNA_F
 ClientSampleId : OU4-TS-GRILLO-TSCP08-081425

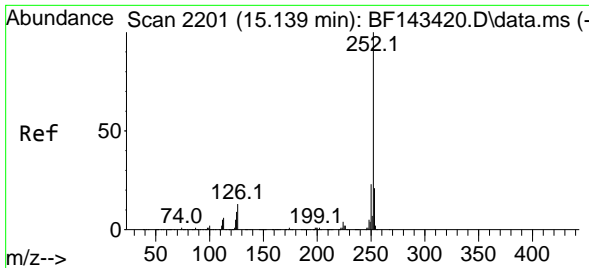
Tgt Ion	Resp	Lower	Upper
149	37889	100	100
167	28.6	22.6	33.8
279	5.1	3.5	5.3



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.580 min Scan# 2276
 Delta R.T. 0.006 min
 Lab File: BF143456.D
 Acq: 19 Aug 2025 14:57

Tgt Ion	Resp	Lower	Upper
264	184800	100	100
260	23.4	18.8	28.2
265	21.9	17.4	26.0

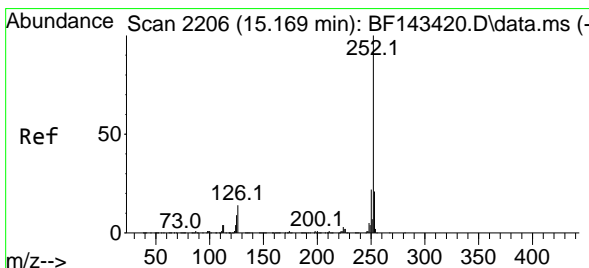
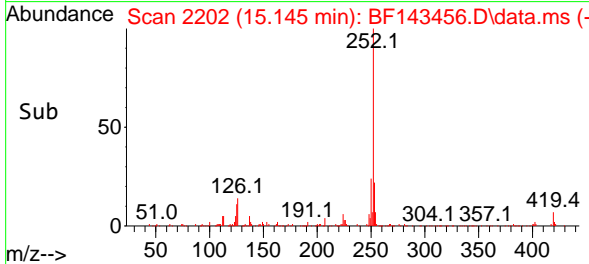
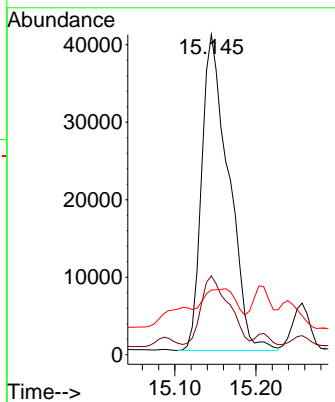
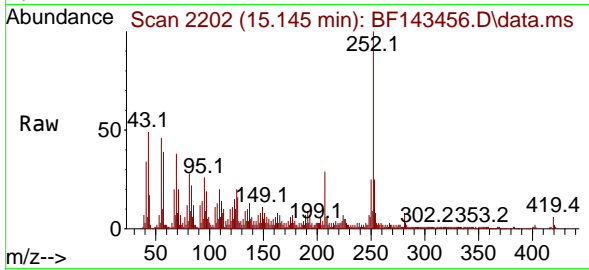




#88
 Benzo(b)fluoranthene
 Concen: 9.464 ng
 RT: 15.145 min Scan# 211
 Delta R.T. 0.006 min
 Lab File: BF143456.D
 Acq: 19 Aug 2025 14:57

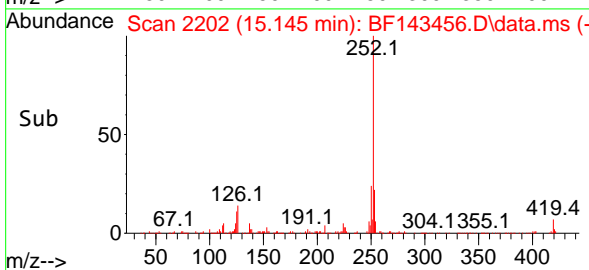
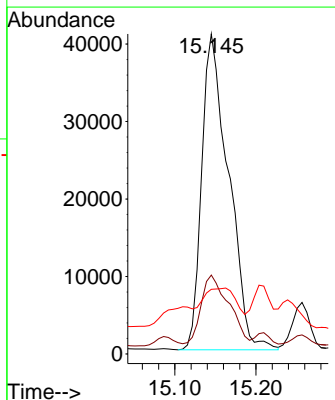
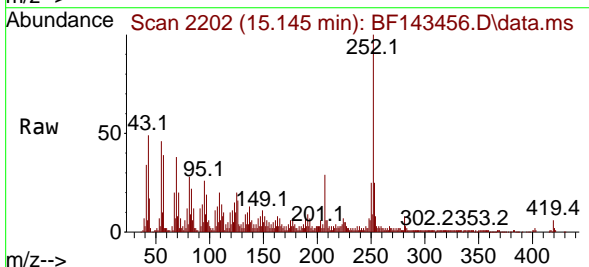
Instrument : BNA_F
 ClientSampleId : OU4-TS-GRILLO-TSCP08-081425

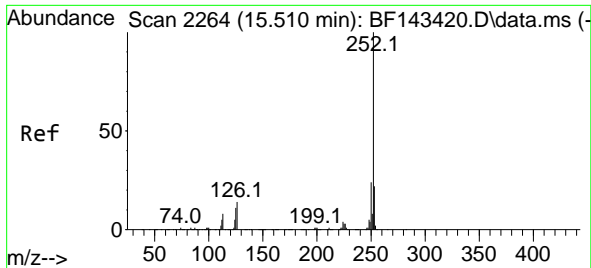
Tgt Ion	Resp	Lower	Upper
252	100		
253	24.6	17.1	25.7
125	20.2	7.5	11.3



#89
 Benzo(k)fluoranthene
 Concen: 9.596 ng
 RT: 15.145 min Scan# 2202
 Delta R.T. -0.024 min
 Lab File: BF143456.D
 Acq: 19 Aug 2025 14:57

Tgt Ion	Resp	Lower	Upper
252	100		
253	24.6	17.2	25.8
125	20.2	7.4	11.2

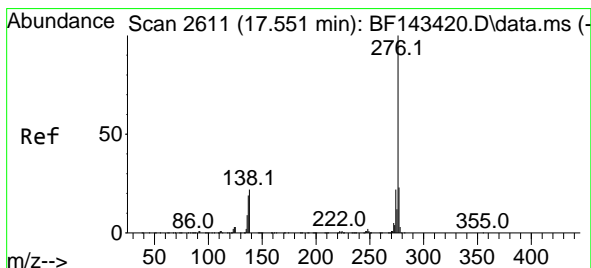
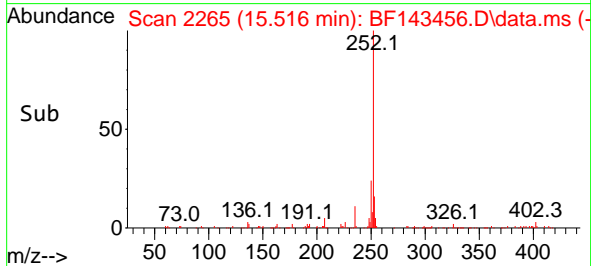
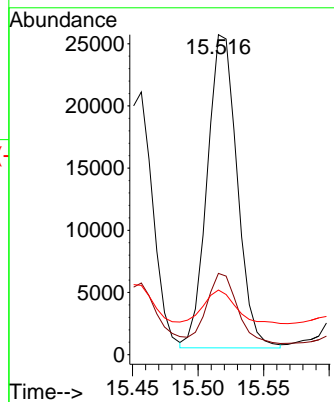
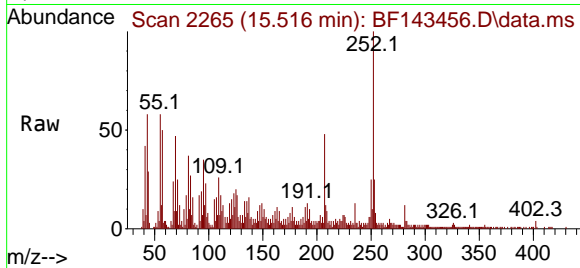




#90
 Benzo(a)pyrene
 Concen: 4.247 ng
 RT: 15.516 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF143456.D
 Acq: 19 Aug 2025 14:57

Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-GRILLO-TSCP08-081425

Tgt Ion	Resp	Lower	Upper
252	100		
253	25.4	17.4	26.2
125	20.2	8.6	12.8



#92
 Benzo(g,h,i)perylene
 Concen: 2.549 ng
 RT: 17.568 min Scan# 2614
 Delta R.T. 0.018 min
 Lab File: BF143456.D
 Acq: 19 Aug 2025 14:57

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

