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 Data File : BF141969.D
 Acq On : 14 Mar 2025 17:07
 Operator : RC/JU
 Sample : Q1568-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-03132025

Quant Time: Mar 14 18:24:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

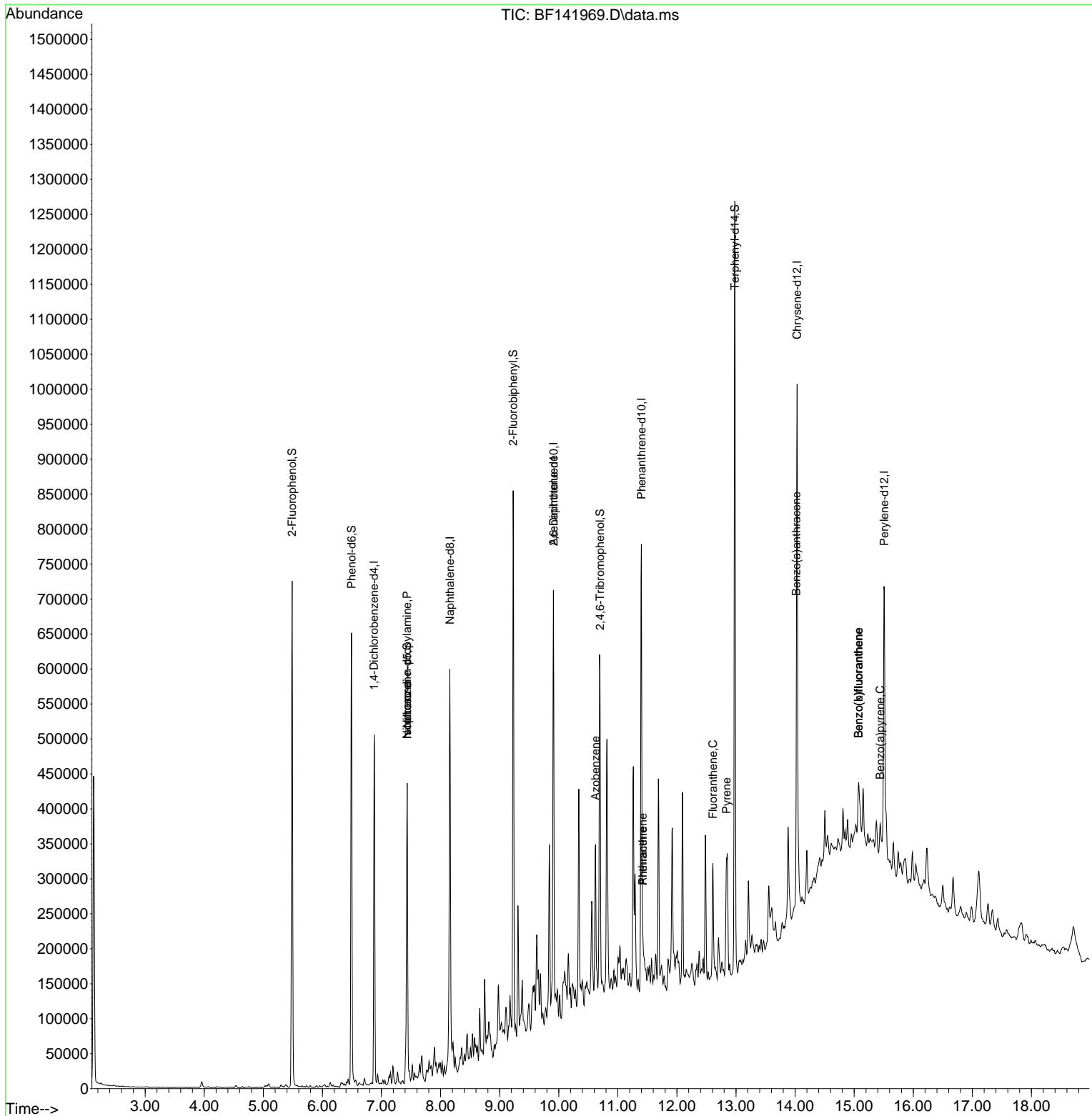
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	108665	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	352195	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	167899	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	323335	20.000	ng	0.00
76) Chrysene-d12	14.033	240	334741	20.000	ng	0.00
86) Perylene-d12	15.510	264	238605	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	277036	42.549	ng	0.00
7) Phenol-d6	6.493	99	298049	35.953	ng	-0.01
23) Nitrobenzene-d5	7.434	82	189142	30.222	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	87503	41.081	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	342742	31.045	ng	-0.01
79) Terphenyl-d14	12.980	244	547420	24.178	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	26964	5.062	ng	# 81
25) Isophorone	7.434	82	182900	16.533	ng	# 64
51) 2,6-Dinitrotoluene	9.910	165	24413	9.972	ng	# 24
63) Azobenzene	10.622	77	50360	4.620	ng	# 1
71) Phenanthrene	11.422	178	37663	2.157	ng	97
72) Anthracene	11.422	178	37663	2.150	ng	98
75) Fluoranthene	12.610	202	95253	5.142	ng	98
78) Pyrene	12.839	202	87893	3.035	ng	98
81) Benzo(a)anthracene	14.021	228	48899	2.226	ng	93
88) Benzo(b)fluoranthene	15.074	252	55531	3.396	ng	# 78
89) Benzo(k)fluoranthene	15.074	252	55531	3.968	ng	# 79
90) Benzo(a)pyrene	15.439	252	26362	2.060	ng	# 84

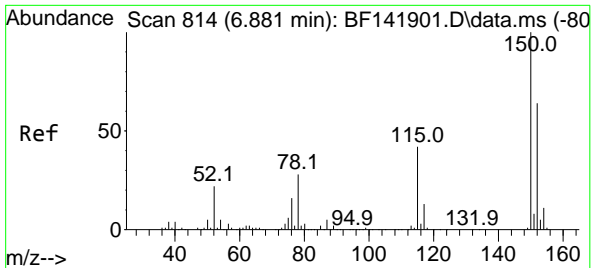
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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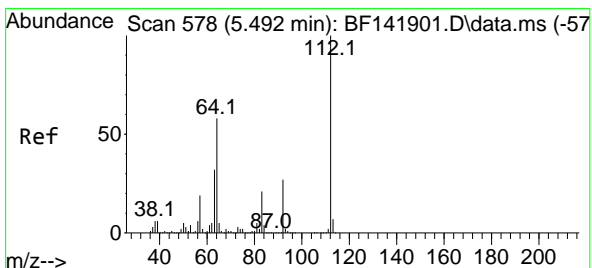
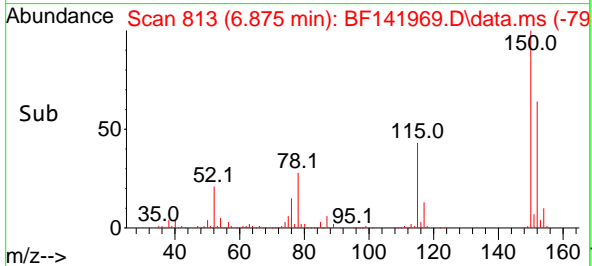
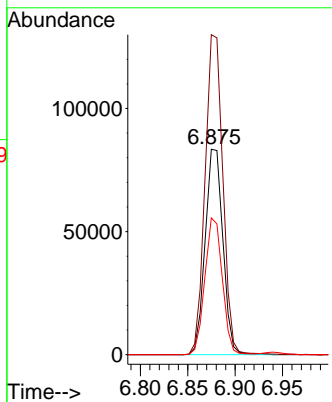
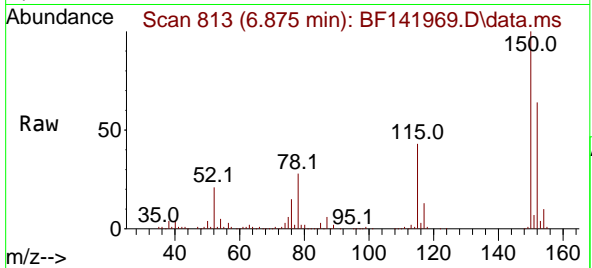




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 813
 Delta R.T. -0.006 min
 Lab File: BF141969.D
 Acq: 14 Mar 2025 17:07

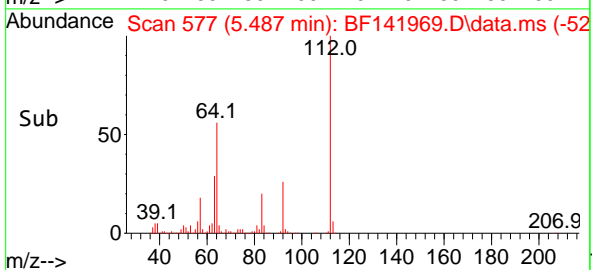
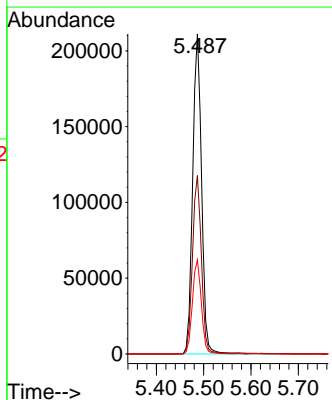
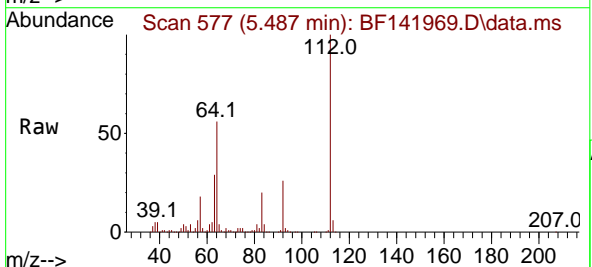
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 ClientSampleId :
 JC-03-03132025

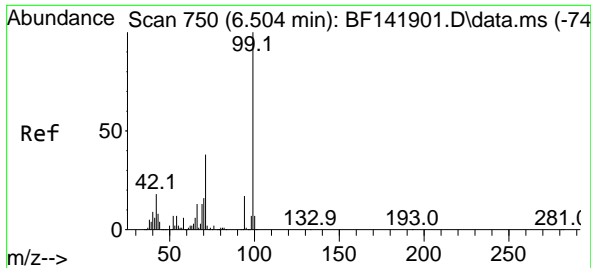
Tgt Ion:152 Resp: 108665
 Ion Ratio Lower Upper
 152 100
 150 155.7 127.4 191.2
 115 66.6 51.9 77.9



#5
 2-Fluorophenol
 Concen: 42.549 ng
 RT: 5.487 min Scan# 577
 Delta R.T. -0.006 min
 Lab File: BF141969.D
 Acq: 14 Mar 2025 17:07

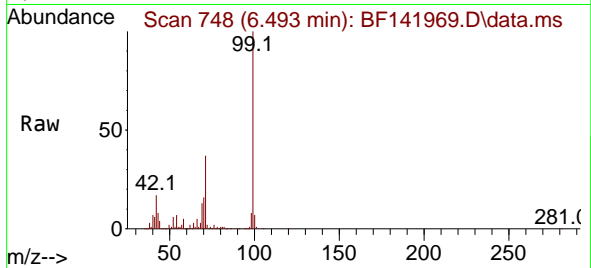
Tgt Ion:112 Resp: 277036
 Ion Ratio Lower Upper
 112 100
 64 55.7 46.5 69.7
 63 29.4 25.4 38.2





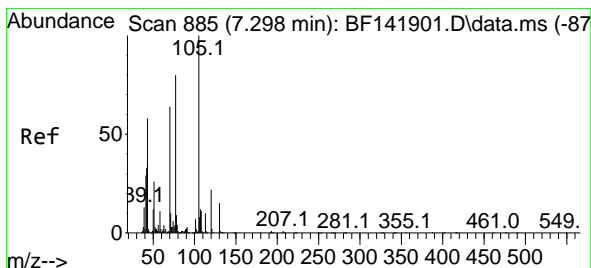
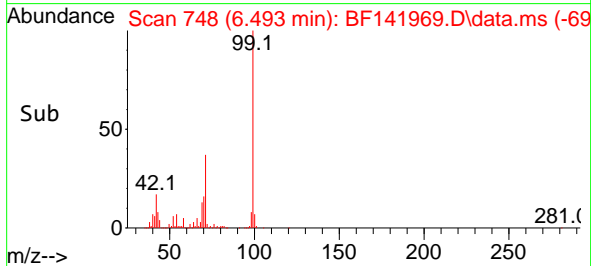
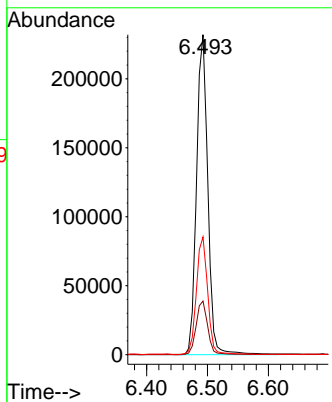
#7
 Phenol-d6
 Concen: 35.953 ng
 RT: 6.493 min Scan# 74
 Delta R.T. -0.012 min
 Lab File: BF141969.D
 Acq: 14 Mar 2025 17:07

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-03132025



Tgt Ion: 99 Resp: 298049

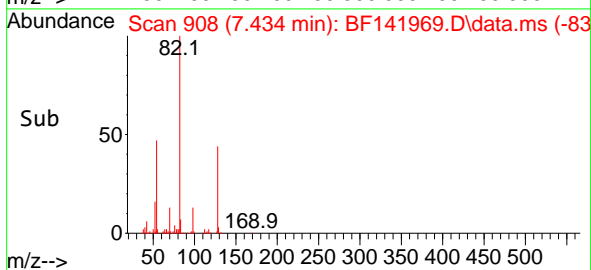
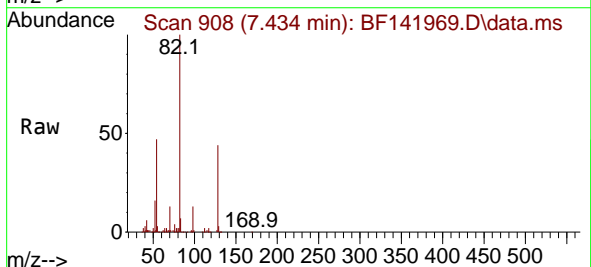
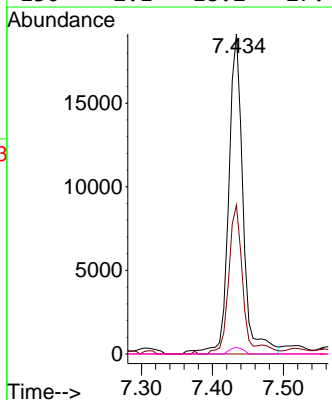
Ion	Ratio	Lower	Upper
99	100		
42	16.8	14.6	21.8
71	36.8	30.8	46.2

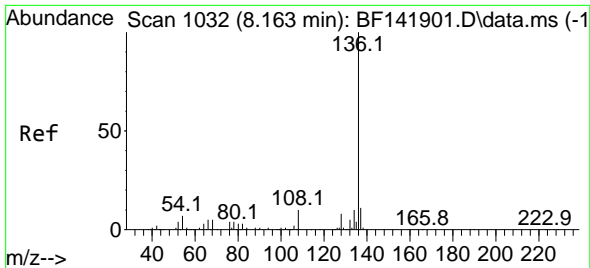


#19
 n-Nitroso-di-n-propylamine
 Concen: 5.062 ng
 RT: 7.434 min Scan# 908
 Delta R.T. 0.135 min
 Lab File: BF141969.D
 Acq: 14 Mar 2025 17:07

Tgt Ion: 70 Resp: 26964

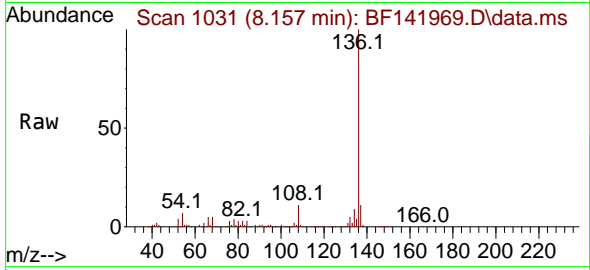
Ion	Ratio	Lower	Upper
70	100		
42	46.5	41.4	62.0
101	0.0	8.2	12.2#
130	2.1	18.2	27.4#



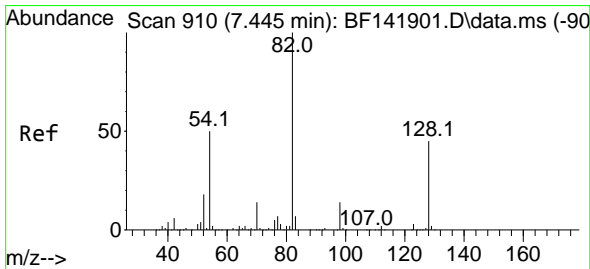
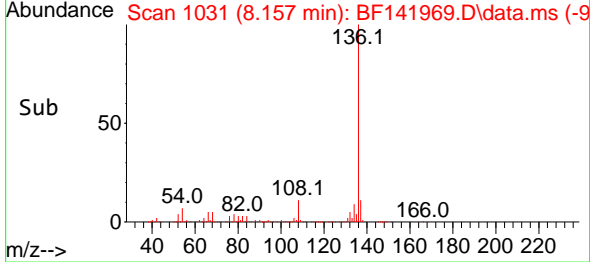
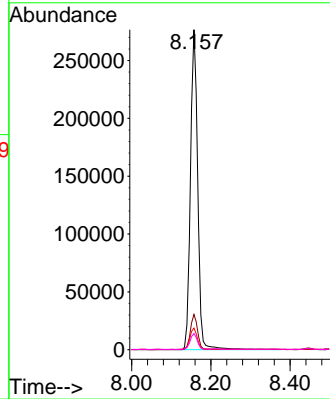


#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 8.157 min Scan# 1031
 Delta R.T. -0.006 min
 Lab File: BF141969.D
 Acq: 14 Mar 2025 17:07

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-03132025

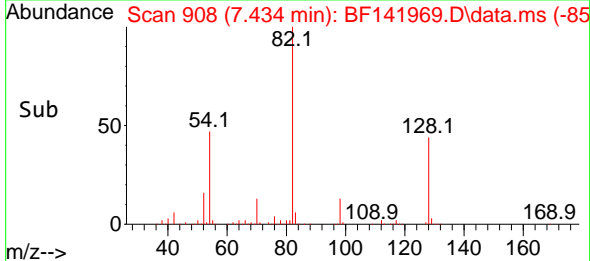
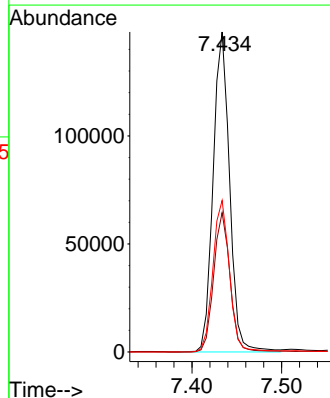
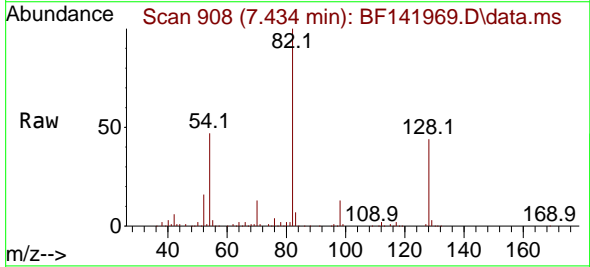


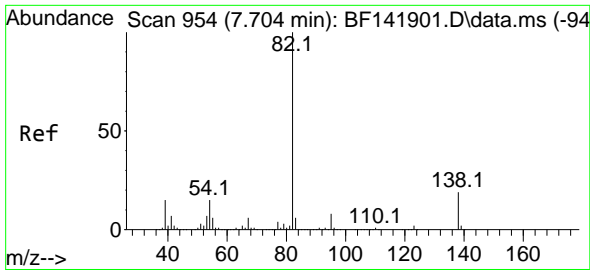
Tgt Ion:136 Resp: 352195
 Ion Ratio Lower Upper
 136 100
 137 11.0 8.8 13.2
 54 6.8 5.8 8.8
 68 5.0 4.1 6.1



#23
 Nitrobenzene-d5
 Concen: 30.222 ng
 RT: 7.434 min Scan# 908
 Delta R.T. -0.012 min
 Lab File: BF141969.D
 Acq: 14 Mar 2025 17:07

Tgt Ion: 82 Resp: 189142
 Ion Ratio Lower Upper
 82 100
 128 43.6 36.0 54.0
 54 47.4 39.6 59.4

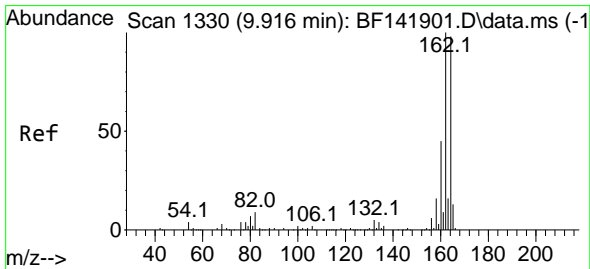
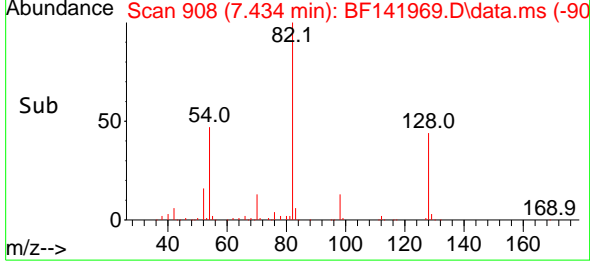
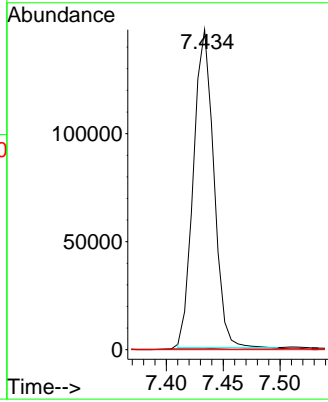
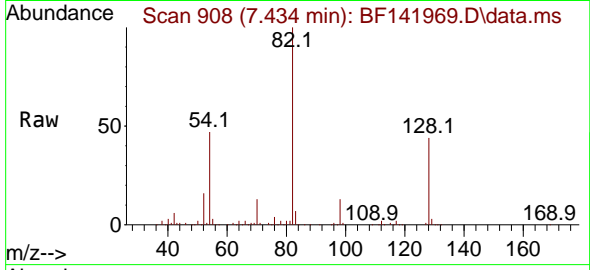




#25
 Isophorone
 Concen: 16.533 ng
 RT: 7.434 min Scan# 90
 Delta R.T. -0.270 min
 Lab File: BF141969.D
 Acq: 14 Mar 2025 17:07

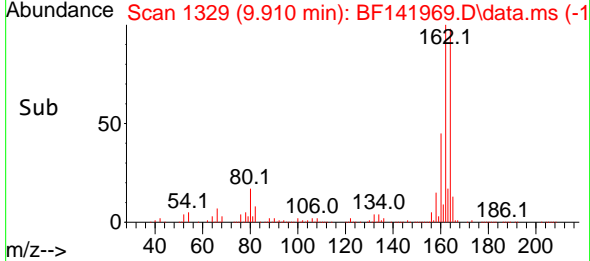
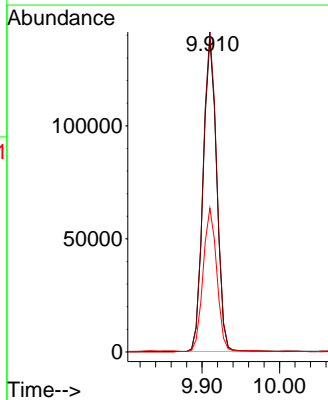
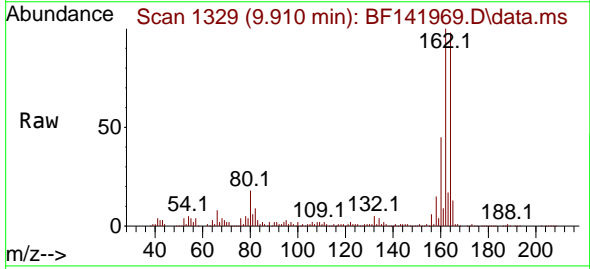
Instrument :
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 ClientSampleId :
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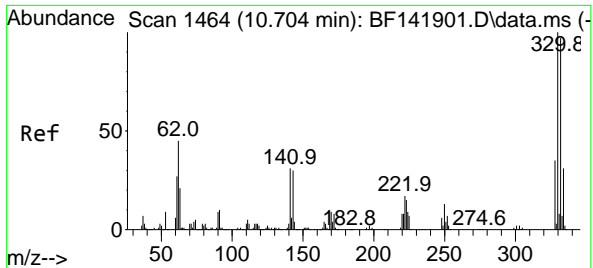
Tgt Ion: 82 Resp: 182900
 Ion Ratio Lower Upper
 82 100
 95 0.3 6.4 9.6#
 138 0.0 14.9 22.3#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.910 min Scan# 1329
 Delta R.T. -0.006 min
 Lab File: BF141969.D
 Acq: 14 Mar 2025 17:07

Tgt Ion: 164 Resp: 167899
 Ion Ratio Lower Upper
 164 100
 162 102.3 81.8 122.6
 160 45.9 36.7 55.1

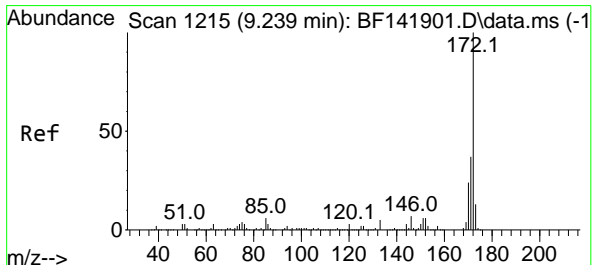
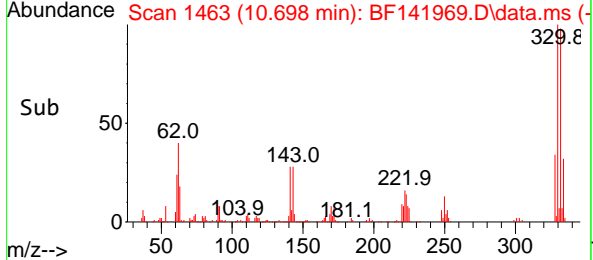
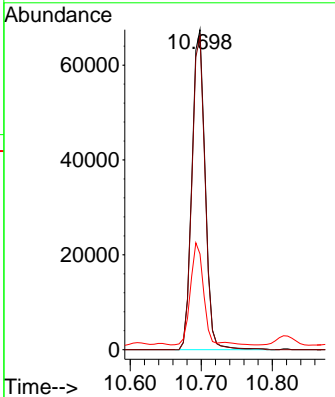
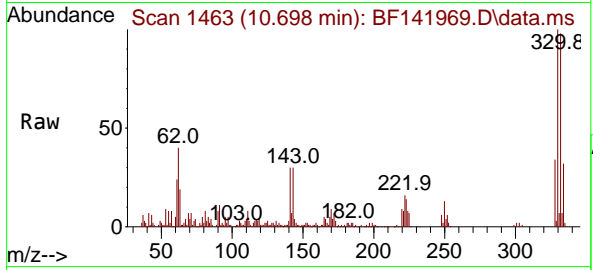




#42
 2,4,6-Tribromophenol
 Concen: 41.081 ng
 RT: 10.698 min Scan# 14
 Delta R.T. -0.006 min
 Lab File: BF141969.D
 Acq: 14 Mar 2025 17:07

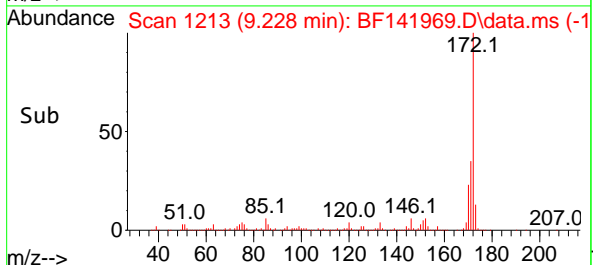
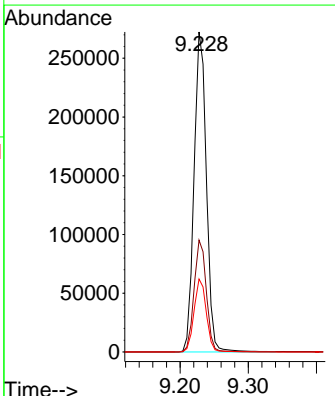
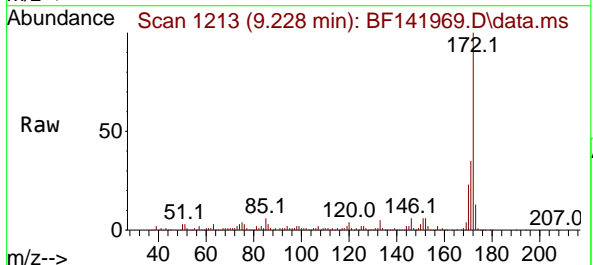
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 ClientSampleId :
 JC-03-03132025

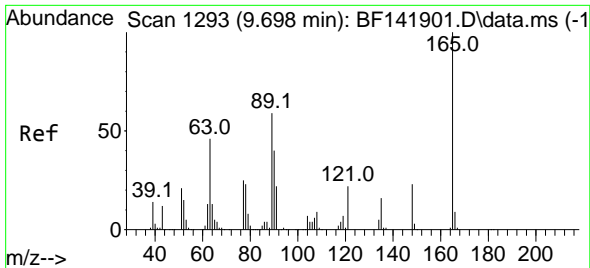
Tgt Ion	Resp	Lower	Upper
330	100		
332	97.1	77.6	116.4
141	31.2	24.7	37.1



#45
 2-Fluorobiphenyl
 Concen: 31.045 ng
 RT: 9.228 min Scan# 1213
 Delta R.T. -0.012 min
 Lab File: BF141969.D
 Acq: 14 Mar 2025 17:07

Tgt Ion	Resp	Lower	Upper
172	100		
171	35.0	29.3	43.9
170	22.8	19.4	29.0

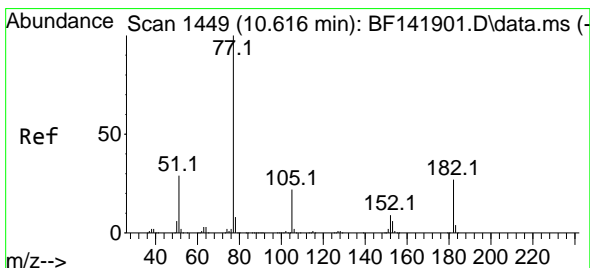
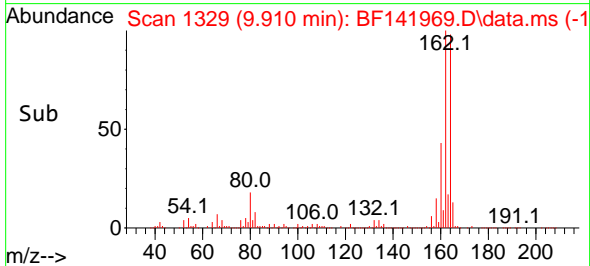
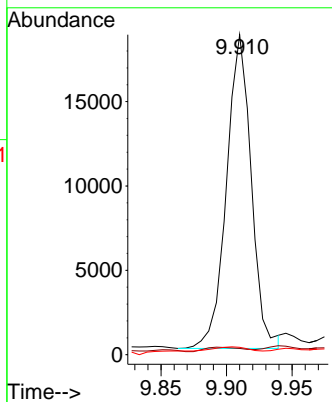
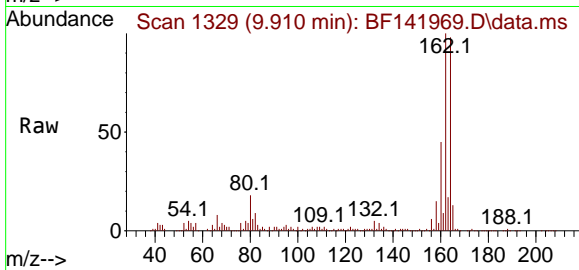




#51
 2,6-Dinitrotoluene
 Concen: 9.972 ng
 RT: 9.910 min Scan# 11
 Delta R.T. 0.212 min
 Lab File: BF141969.D
 Acq: 14 Mar 2025 17:07

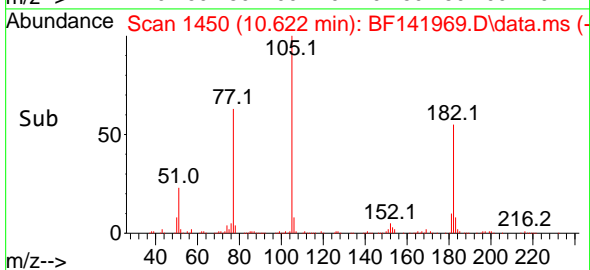
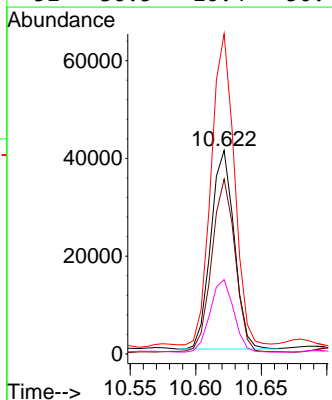
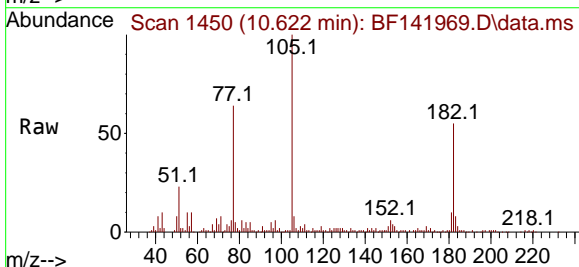
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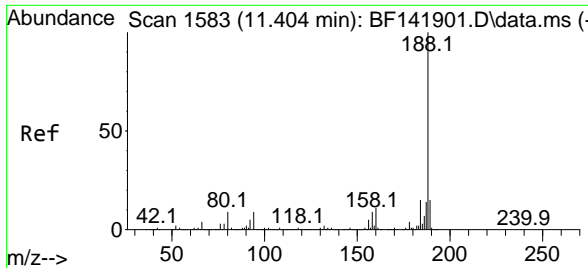
Tgt Ion	Resp	Lower	Upper
165	100		
63	1.9	47.0	70.4#
89	2.3	47.4	71.2#



#63
 Azobenzene
 Concen: 4.620 ng
 RT: 10.622 min Scan# 1450
 Delta R.T. 0.006 min
 Lab File: BF141969.D
 Acq: 14 Mar 2025 17:07

Tgt Ion	Resp	Lower	Upper
77	100		
182	85.9	6.6	46.6#
105	157.3	1.3	41.3#
51	36.5	10.4	50.4



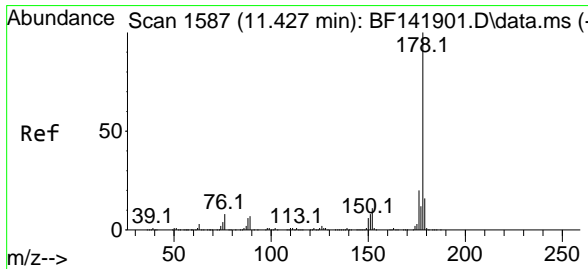
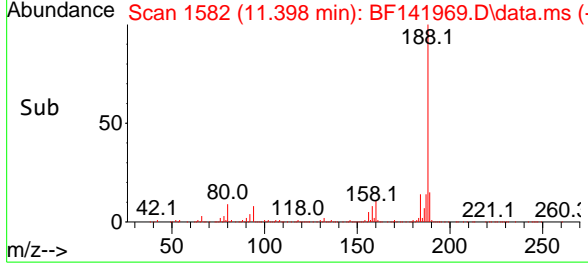
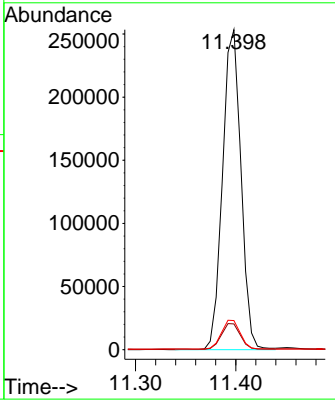
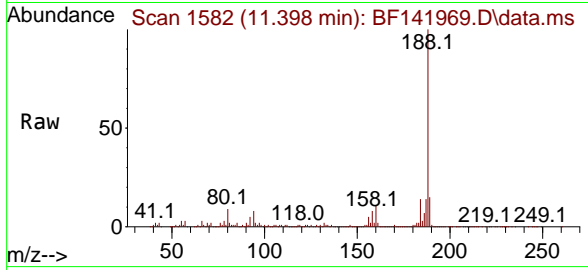


#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.398 min Scan# 1582
 Delta R.T. -0.006 min
 Lab File: BF141969.D
 Acq: 14 Mar 2025 17:07

Instrument : BNA_F
 ClientSampleId : JC-03-03132025

Tgt Ion:188 Resp: 323335

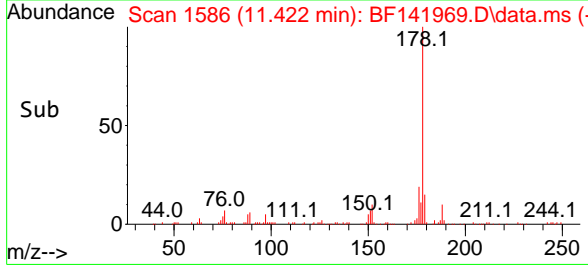
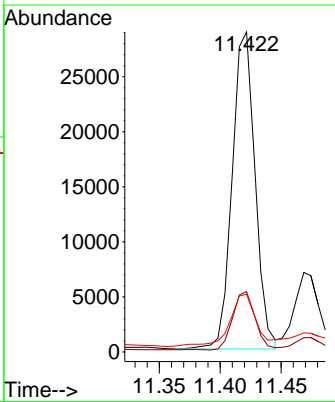
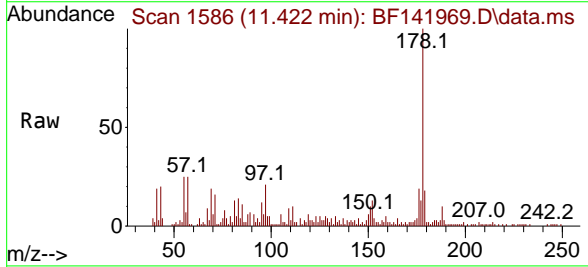
Ion	Ratio	Lower	Upper
188	100		
94	8.1	6.8	10.2
80	9.1	7.6	11.4

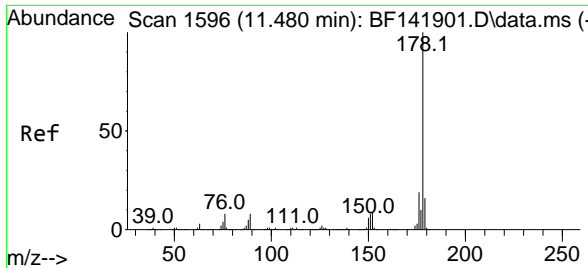


#71
 Phenanthrene
 Concen: 2.157 ng
 RT: 11.422 min Scan# 1586
 Delta R.T. -0.006 min
 Lab File: BF141969.D
 Acq: 14 Mar 2025 17:07

Tgt Ion:178 Resp: 37663

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	18.0	12.6	19.0



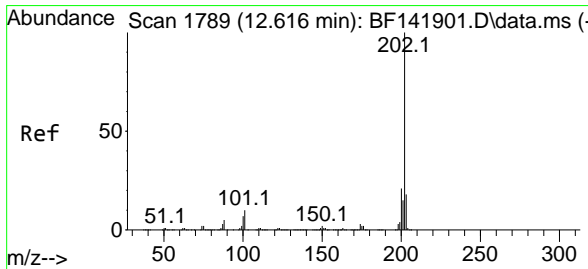
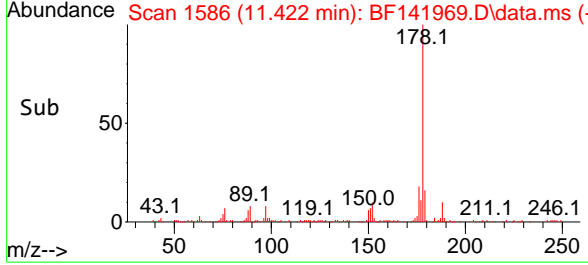
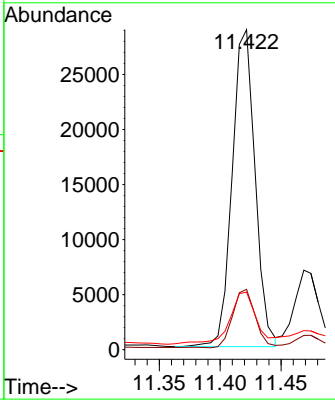
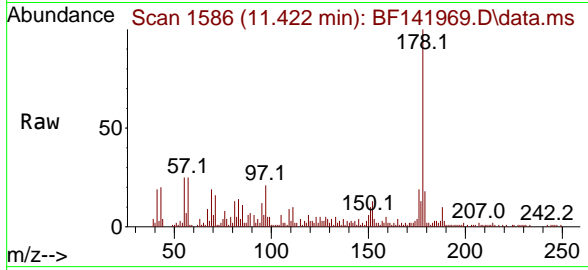


#72
 Anthracene
 Concen: 2.150 ng
 RT: 11.422 min Scan# 11
 Delta R.T. -0.059 min
 Lab File: BF141969.D
 Acq: 14 Mar 2025 17:07

Instrument : BNA_F
 ClientSampleId : JC-03-03132025

Tgt Ion:178 Resp: 37663

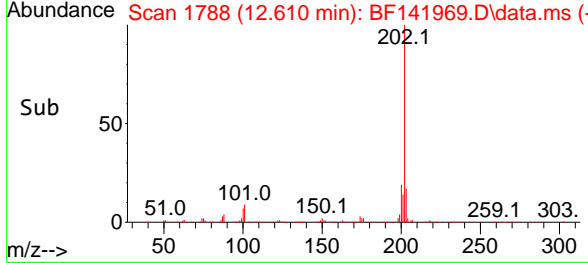
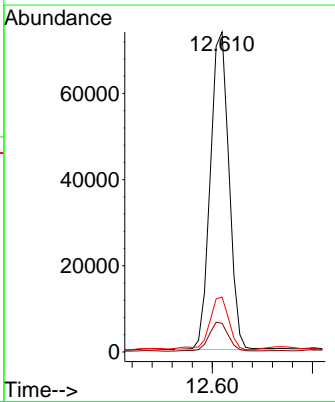
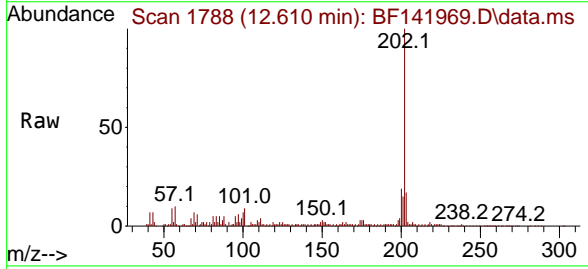
Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.1	22.7
179	18.0	12.6	19.0

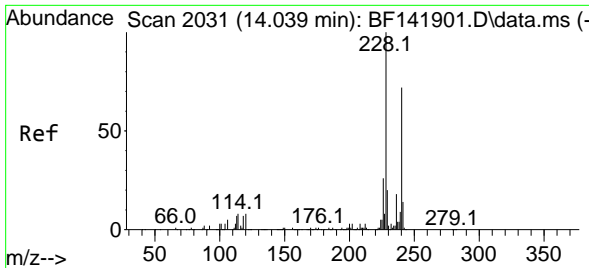


#75
 Fluoranthene
 Concen: 5.142 ng
 RT: 12.610 min Scan# 1788
 Delta R.T. -0.006 min
 Lab File: BF141969.D
 Acq: 14 Mar 2025 17:07

Tgt Ion:202 Resp: 95253

Ion	Ratio	Lower	Upper
202	100		
101	8.9	0.0	29.7
203	17.2	0.0	37.8

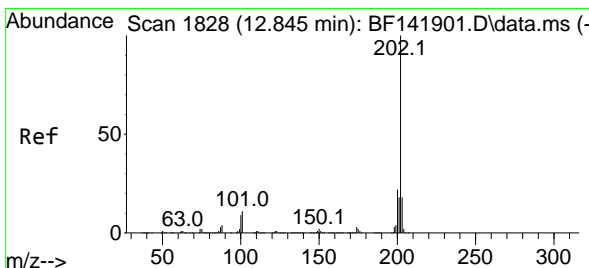
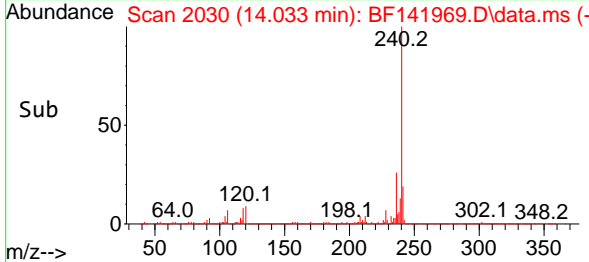
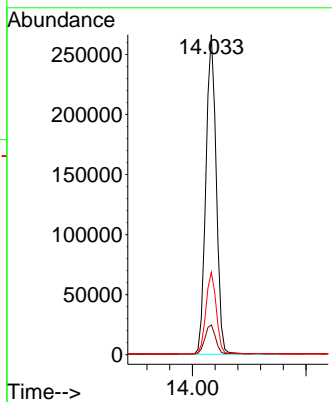
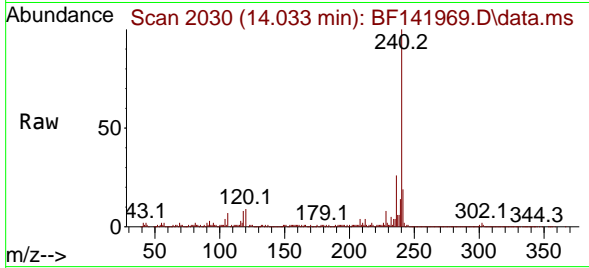




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.033 min Scan# 2031
 Delta R.T. -0.006 min
 Lab File: BF141969.D
 Acq: 14 Mar 2025 17:07

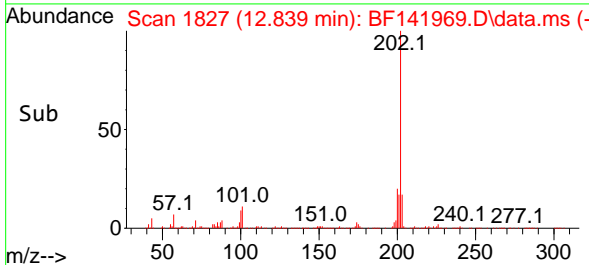
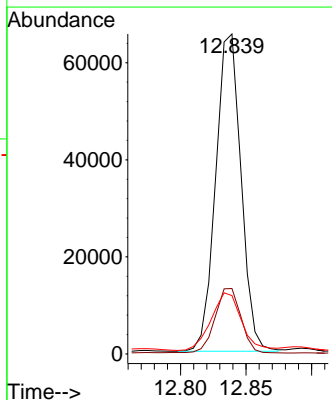
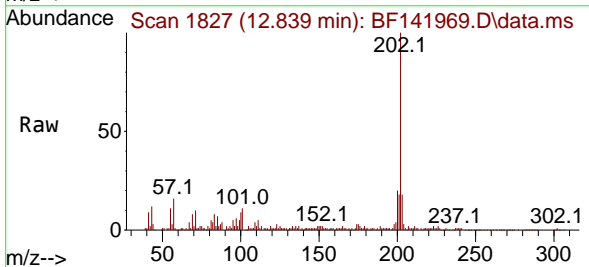
Instrument :
 BNA_F
 ClientSampleId :
 JC-03-03132025

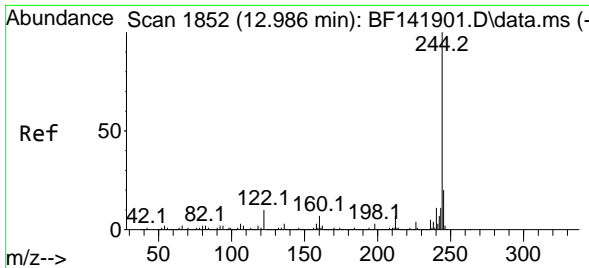
Tgt Ion:240 Resp: 334741
 Ion Ratio Lower Upper
 240 100
 120 9.3 8.4 12.6
 236 25.8 20.5 30.7



#78
 Pyrene
 Concen: 3.035 ng
 RT: 12.839 min Scan# 1827
 Delta R.T. -0.006 min
 Lab File: BF141969.D
 Acq: 14 Mar 2025 17:07

Tgt Ion:202 Resp: 87893
 Ion Ratio Lower Upper
 202 100
 200 20.5 17.3 25.9
 203 18.2 14.4 21.6



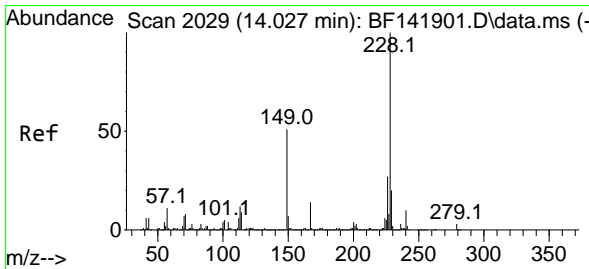
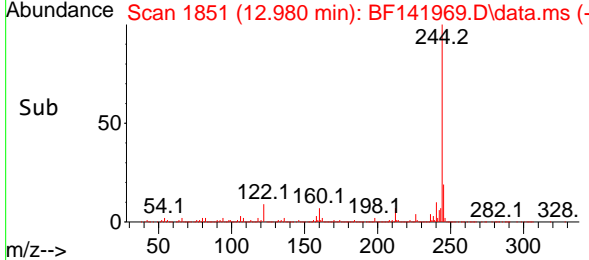
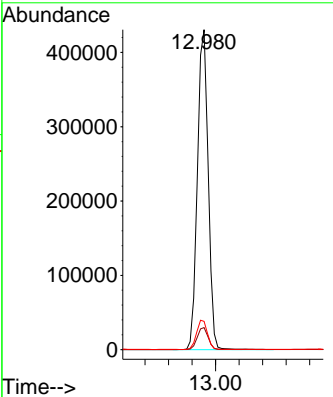
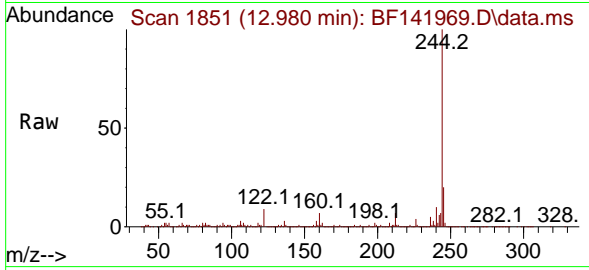


#79
 Terphenyl-d14
 Concen: 24.178 ng
 RT: 12.980 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF141969.D
 Acq: 14 Mar 2025 17:07

Instrument : BNA_F
 ClientSampleId : JC-03-03132025

Tgt Ion:244 Resp: 547420

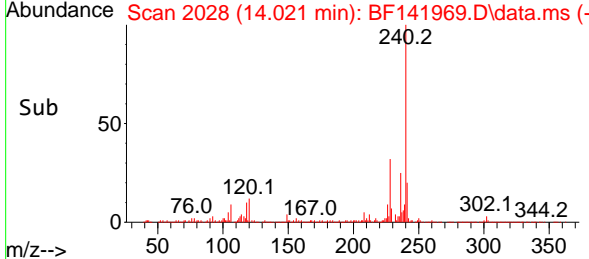
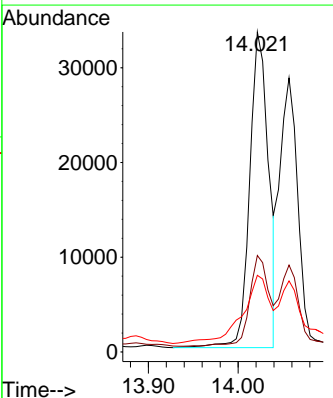
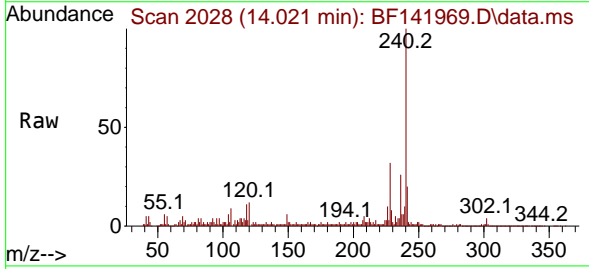
Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	8.9	7.7	11.5

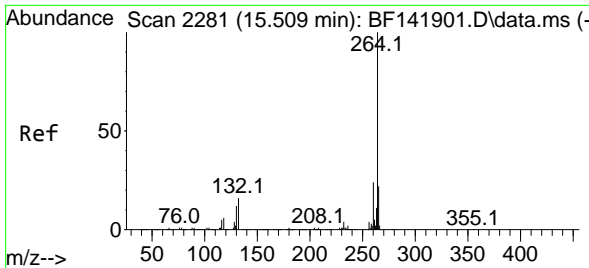


#81
 Benzo(a)anthracene
 Concen: 2.226 ng
 RT: 14.021 min Scan# 2028
 Delta R.T. -0.006 min
 Lab File: BF141969.D
 Acq: 14 Mar 2025 17:07

Tgt Ion:228 Resp: 48899

Ion	Ratio	Lower	Upper
228	100		
226	30.1	21.8	32.8
229	24.0	16.0	24.0



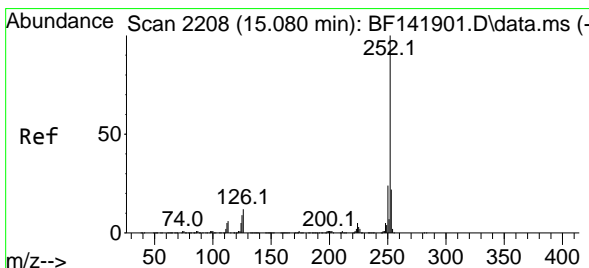
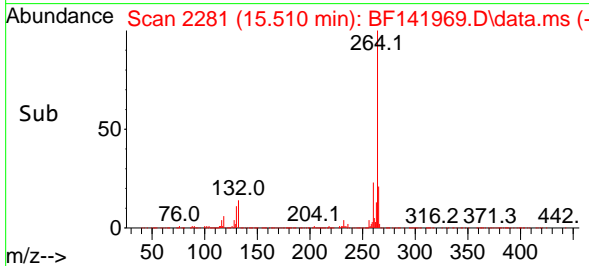
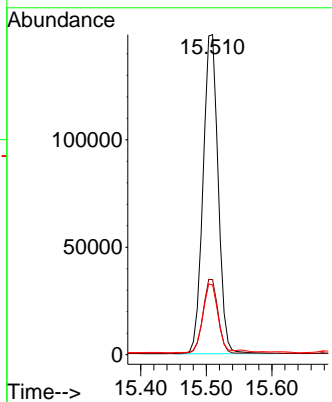
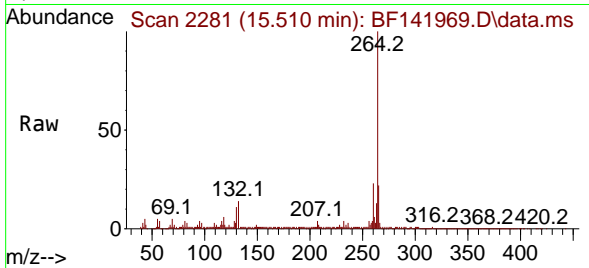


#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.510 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF141969.D
 Acq: 14 Mar 2025 17:07

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-03132025

Tgt Ion: 264 Resp: 238605

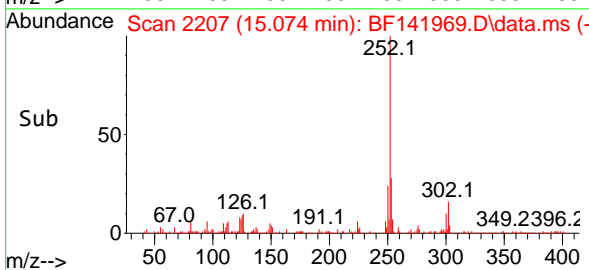
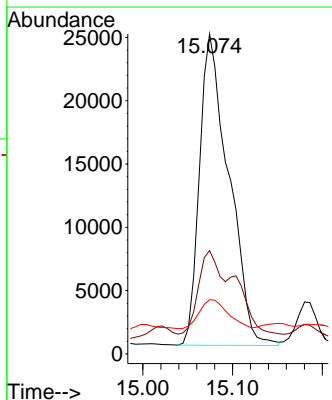
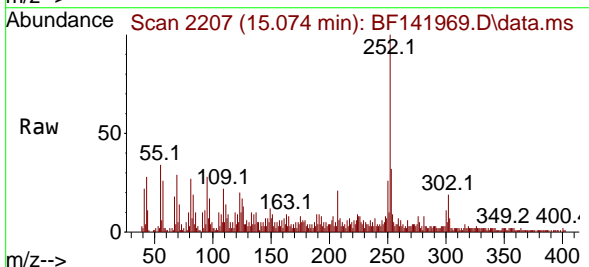
Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.1	28.7
265	21.8	17.5	26.3

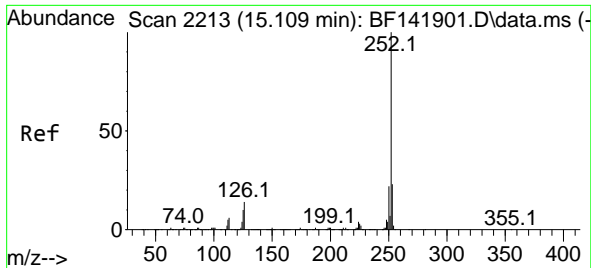


#88
 Benzo(b)fluoranthene
 Concen: 3.396 ng
 RT: 15.074 min Scan# 2207
 Delta R.T. -0.006 min
 Lab File: BF141969.D
 Acq: 14 Mar 2025 17:07

Tgt Ion: 252 Resp: 55531

Ion	Ratio	Lower	Upper
252	100		
253	32.3	17.5	26.3#
125	16.9	7.0	10.4#

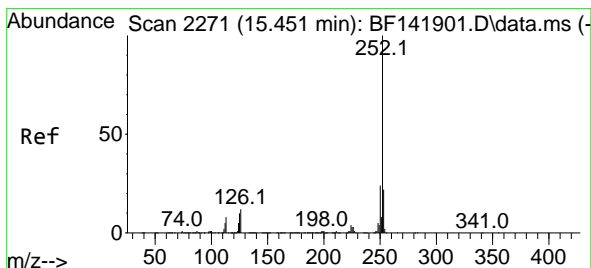
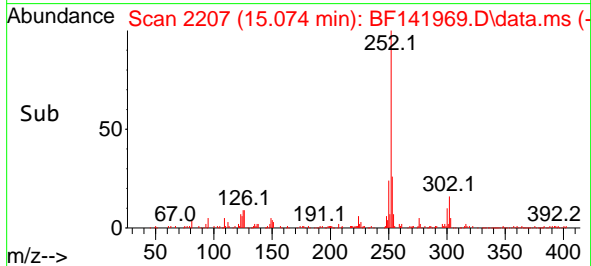
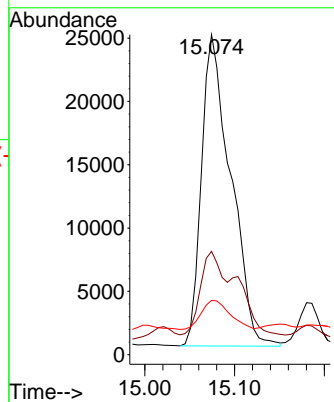
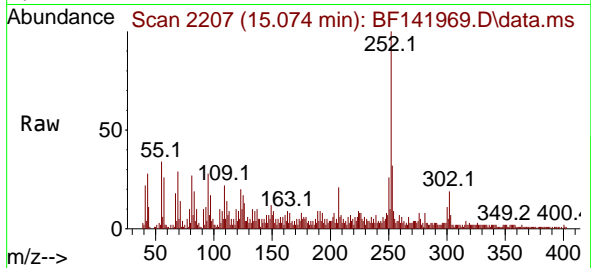




#89
 Benzo(k)fluoranthene
 Concen: 3.968 ng
 RT: 15.074 min Scan# 21
 Delta R.T. -0.035 min
 Lab File: BF141969.D
 Acq: 14 Mar 2025 17:07

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-03132025

Tgt Ion:252 Resp: 55531
 Ion Ratio Lower Upper
 252 100
 253 32.3 17.7 26.5#
 125 16.9 7.2 10.8#



#90
 Benzo(a)pyrene
 Concen: 2.060 ng
 RT: 15.439 min Scan# 2269
 Delta R.T. -0.012 min
 Lab File: BF141969.D
 Acq: 14 Mar 2025 17:07

Tgt Ion:252 Resp: 26362
 Ion Ratio Lower Upper
 252 100
 253 26.8 17.4 26.0#
 125 19.7 7.8 11.8#

