

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031725\
 Data File : BF141977.D
 Acq On : 17 Mar 2025 13:01
 Operator : RC/JU
 Sample : Q1585-01 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-03142025

Quant Time: Mar 17 13:30:25 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

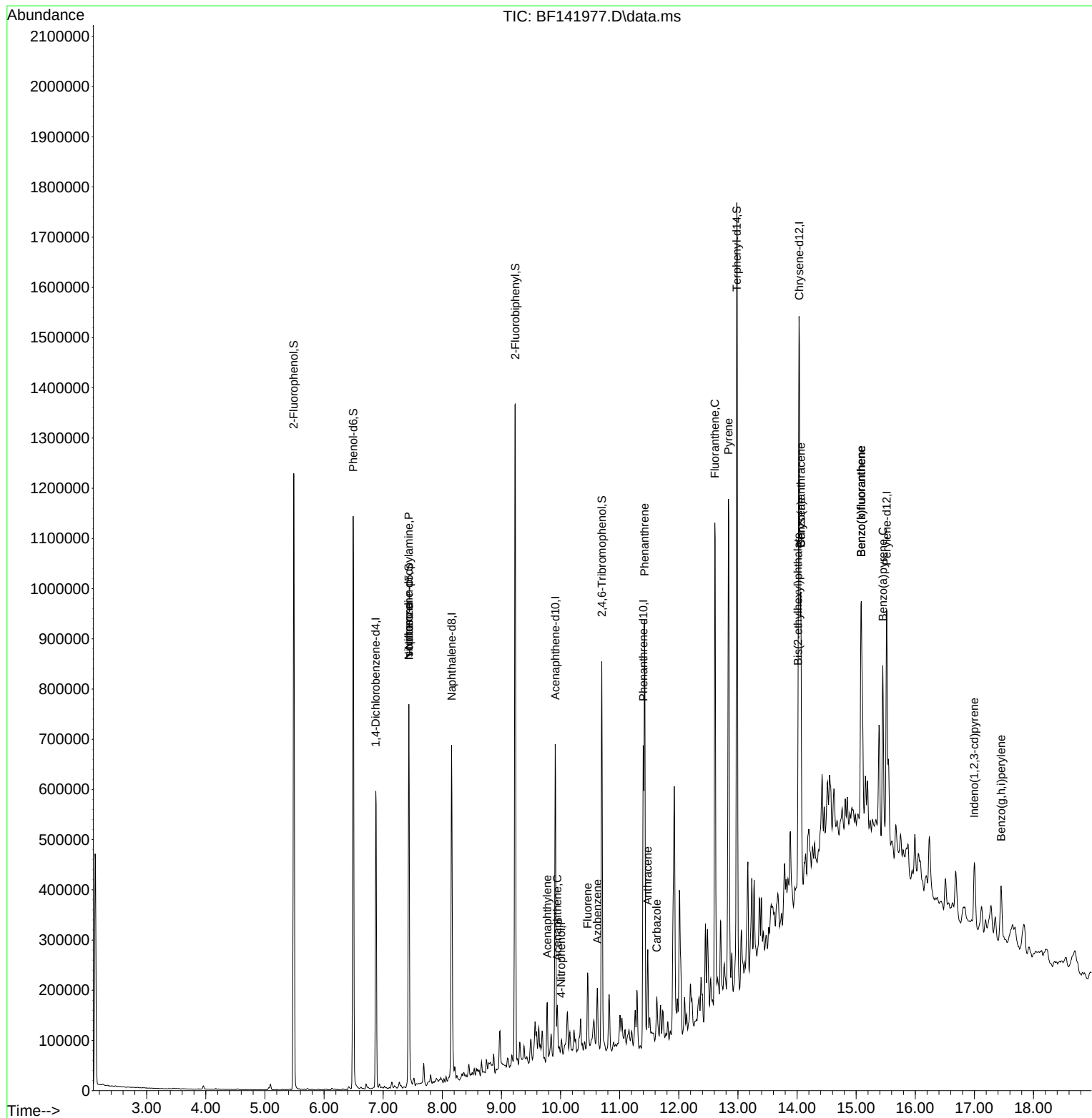
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	128054	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	420915	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	181727	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	300916	20.000	ng	0.00
76) Chrysene-d12	14.039	240	359541	20.000	ng	0.00
86) Perylene-d12	15.516	264	275917	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	459386	59.873	ng	0.00
7) Phenol-d6	6.493	99	534127	54.676	ng	-0.01
23) Nitrobenzene-d5	7.434	82	336074	44.933	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	130198	56.474	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	596214	49.895	ng	0.00
79) Terphenyl-d14	12.980	244	784849	32.273	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	47771	7.610	ng	# 78
25) Isophorone	7.434	82	328145	24.820	ng	# 64
49) Acenaphthylene	9.775	152	56825	3.721	ng	99
52) Acenaphthene	9.945	154	30427	2.835	ng	98
56) 4-Nitrophenol	10.010	139	4755	2.346	ng	# 83
58) Fluorene	10.457	166	58425	4.940	ng	97
63) Azobenzene	10.622	77	26799	2.272	ng	# 1
71) Phenanthrene	11.422	178	441569	27.168	ng	99
72) Anthracene	11.475	178	110287	6.763	ng	98
73) Carbazole	11.628	167	48508	3.449	ng	97
75) Fluoranthene	12.610	202	558746	32.408	ng	100
78) Pyrene	12.839	202	593991	19.099	ng	98
81) Benzo(a)anthracene	14.063	228	324875	13.770	ng	94
83) Chrysene	14.063	228	324875	15.191	ng	97
84) Bis(2-ethylhexyl)phtha...	14.016	149	37213	2.217	ng	# 97
87) Indeno(1,2,3-cd)pyrene	16.998	276	103071	5.775	ng	96
88) Benzo(b)fluoranthene	15.086	252	409374	21.648	ng	# 94
89) Benzo(k)fluoranthene	15.086	252	409374	25.297	ng	# 94
90) Benzo(a)pyrene	15.451	252	206040	13.925	ng	97
92) Benzo(g,h,i)perylene	17.451	276	109305	7.511	ng	97

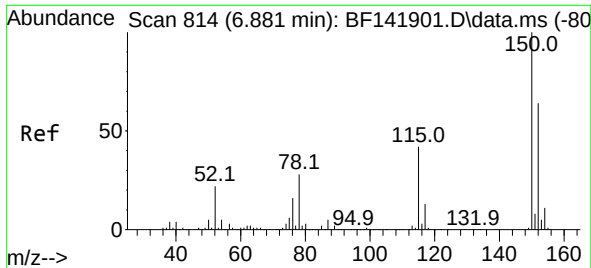
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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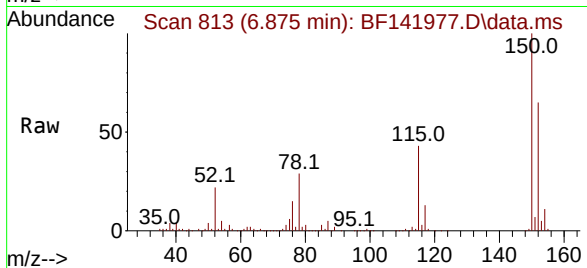
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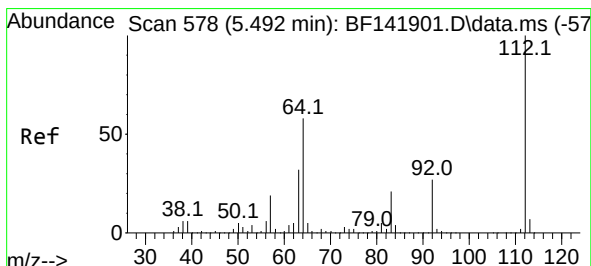
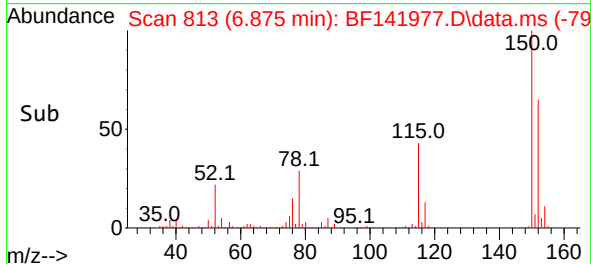
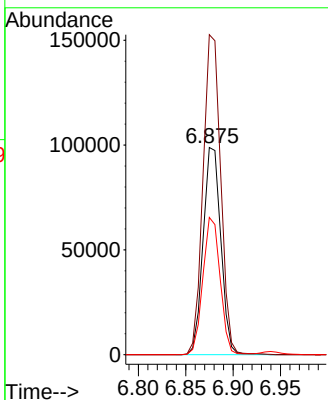


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF141977.D
Acq: 17 Mar 2025 13:01

Instrument :
BNA_F
ClientSampleId :
OK-02-03142025

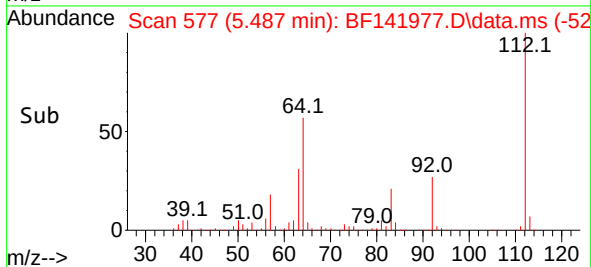
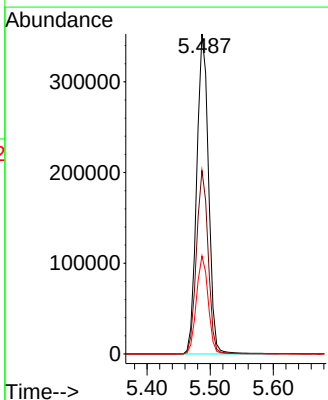
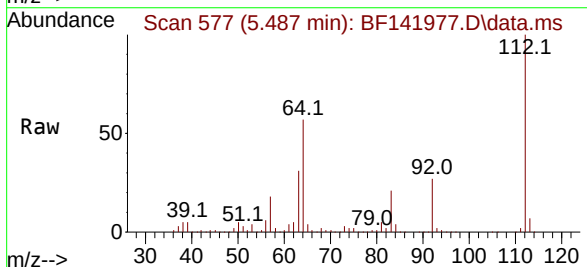


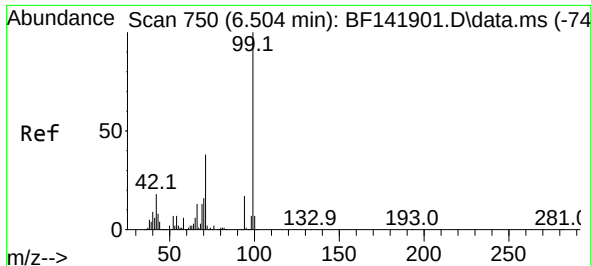
Tgt Ion:152 Resp: 128054
Ion Ratio Lower Upper
152 100
150 154.4 127.4 191.2
115 66.3 51.9 77.9



#5
2-Fluorophenol
Concen: 59.873 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF141977.D
Acq: 17 Mar 2025 13:01

Tgt Ion:112 Resp: 459386
Ion Ratio Lower Upper
112 100
64 57.4 46.5 69.7
63 30.6 25.4 38.2

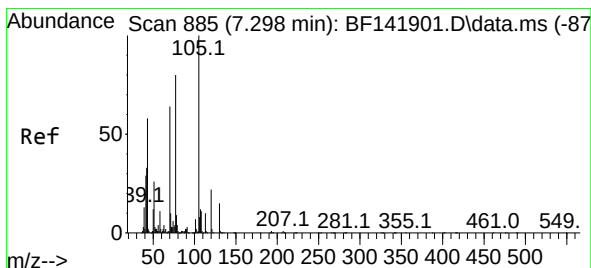
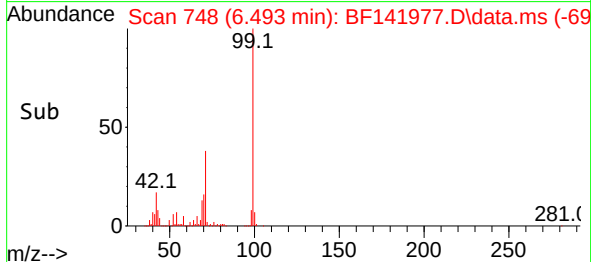
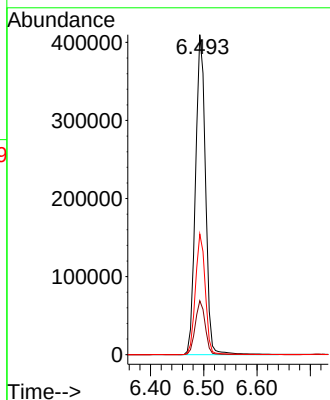
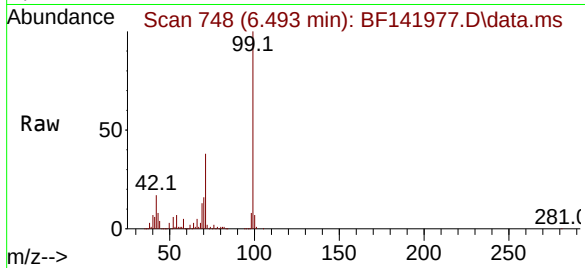




#7
Phenol-d6
Concen: 54.676 ng
RT: 6.493 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF141977.D
Acq: 17 Mar 2025 13:01

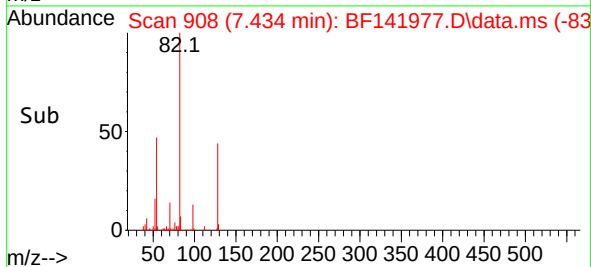
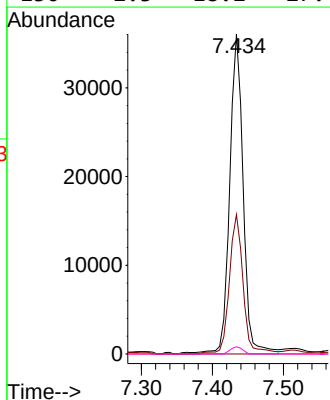
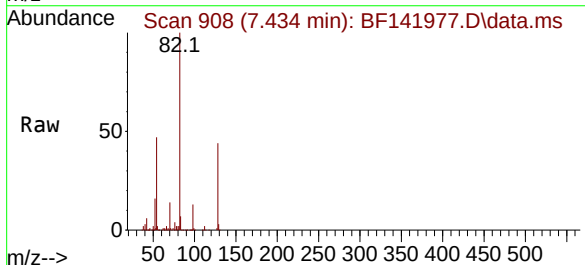
Instrument :
BNA_F
ClientSampleId :
OK-02-03142025

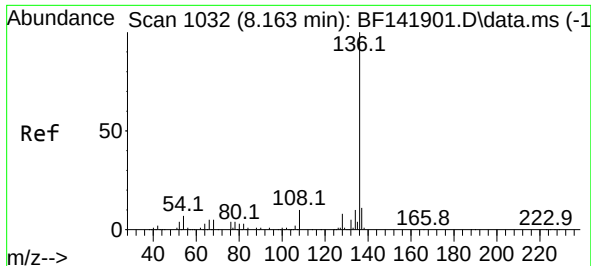
Tgt Ion: 99 Resp: 534127
Ion Ratio Lower Upper
99 100
42 16.9 14.6 21.8
71 37.7 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 7.610 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.135 min
Lab File: BF141977.D
Acq: 17 Mar 2025 13:01

Tgt Ion: 70 Resp: 47771
Ion Ratio Lower Upper
70 100
42 43.6 41.4 62.0
101 0.0 8.2 12.2#
130 2.3 18.2 27.4#

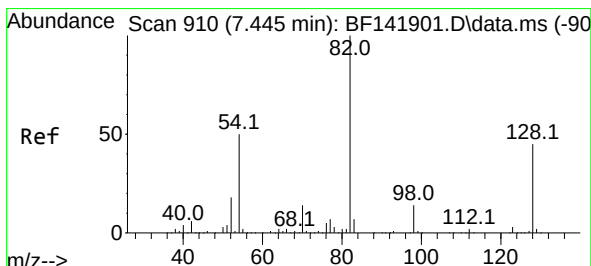
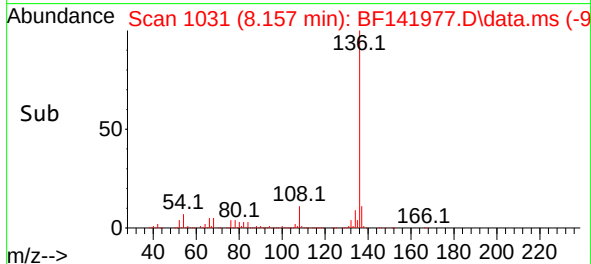
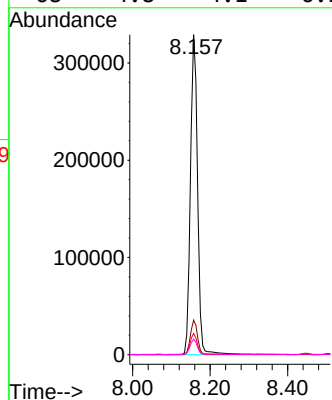
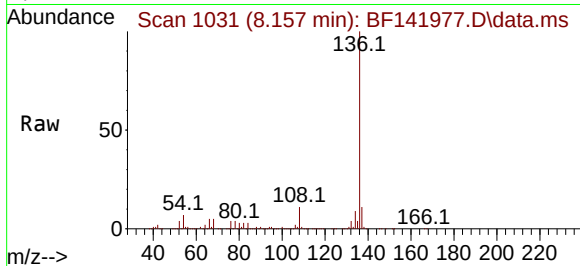




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF141977.D
Acq: 17 Mar 2025 13:01

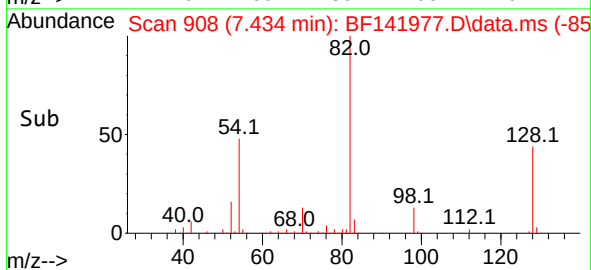
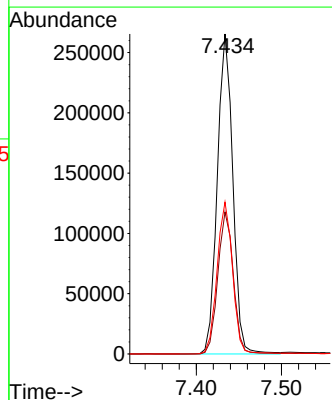
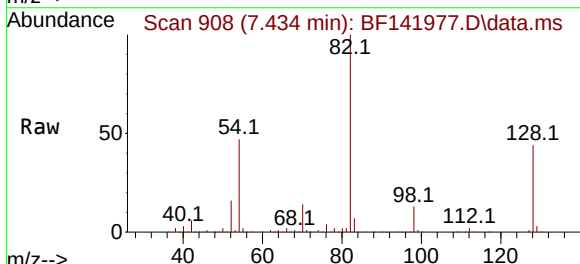
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BNA_F
ClientSampleId :
OK-02-03142025

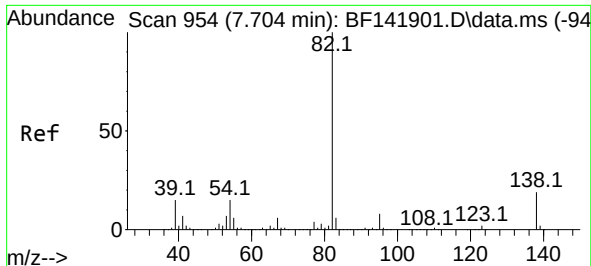
Tgt Ion:136 Resp: 420915
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 6.6 5.8 8.8
68 4.8 4.1 6.1



#23
Nitrobenzene-d5
Concen: 44.933 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF141977.D
Acq: 17 Mar 2025 13:01

Tgt Ion: 82 Resp: 336074
Ion Ratio Lower Upper
82 100
128 44.4 36.0 54.0
54 47.5 39.6 59.4

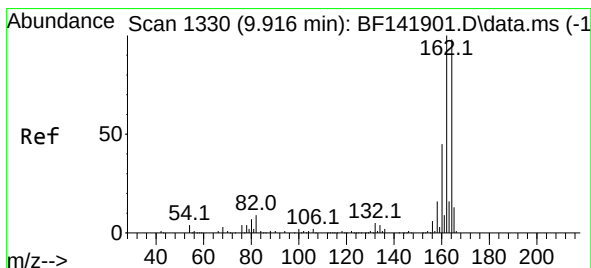
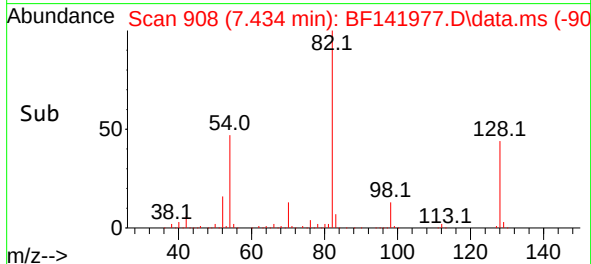
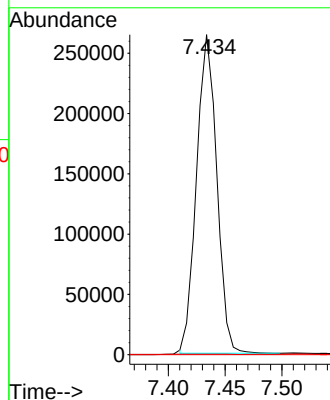
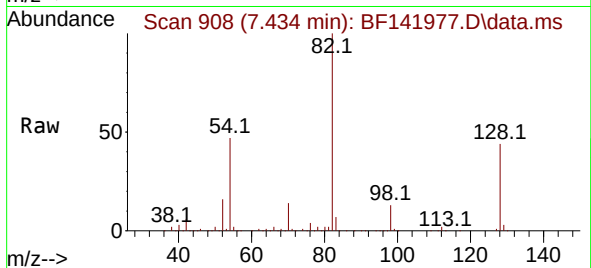




#25
Isophorone
Concen: 24.820 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.270 min
Lab File: BF141977.D
Acq: 17 Mar 2025 13:01

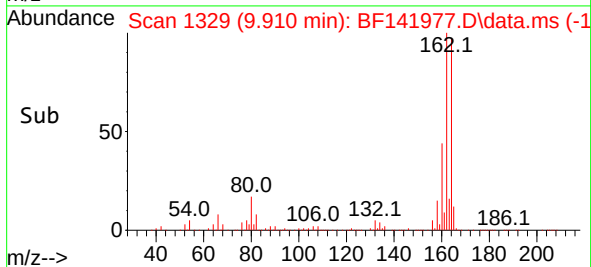
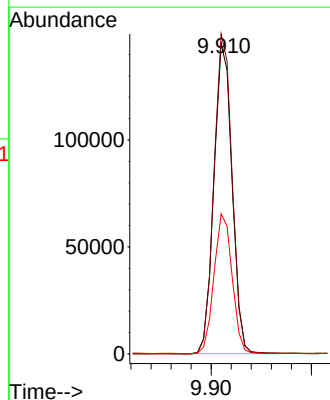
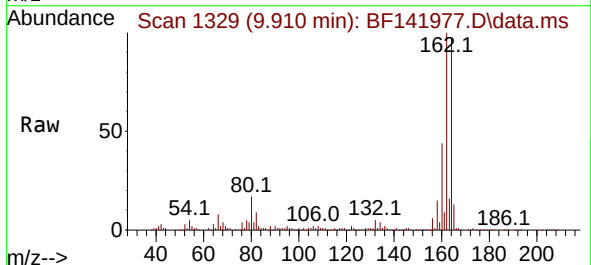
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ClientSampleId :
OK-02-03142025

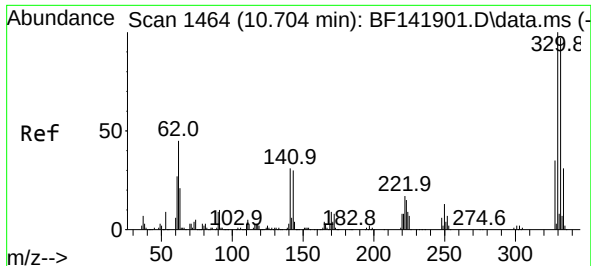
Tgt Ion: 82 Resp: 328145
Ion Ratio Lower Upper
82 100
95 0.2 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF141977.D
Acq: 17 Mar 2025 13:01

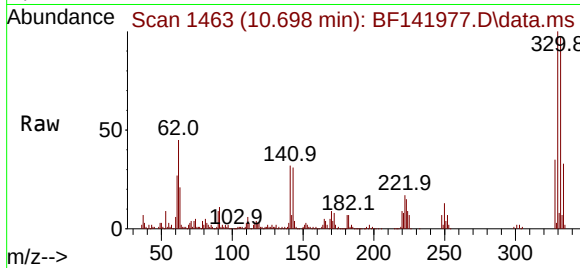
Tgt Ion:164 Resp: 181727
Ion Ratio Lower Upper
164 100
162 103.0 81.8 122.6
160 45.2 36.7 55.1



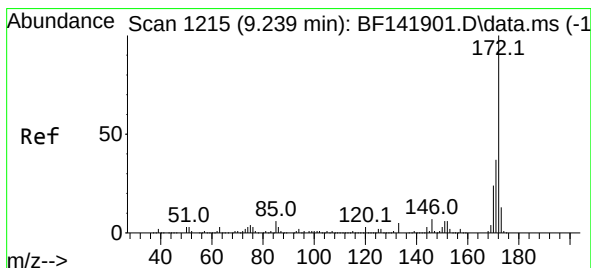
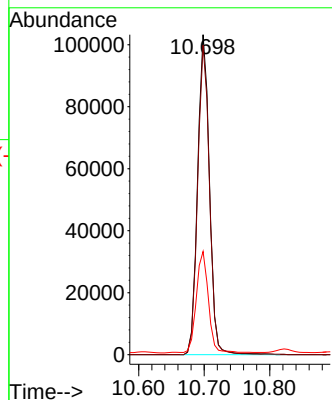
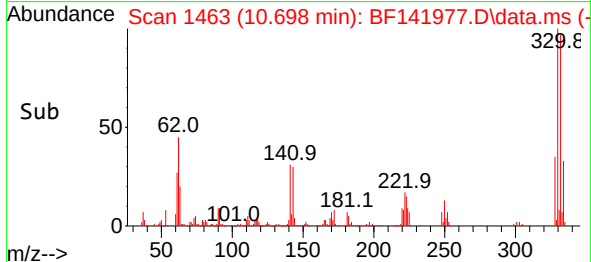


#42
2,4,6-Tribromophenol
Concen: 56.474 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF141977.D
Acq: 17 Mar 2025 13:01

Instrument :
BNA_F
ClientSampleId :
OK-02-03142025

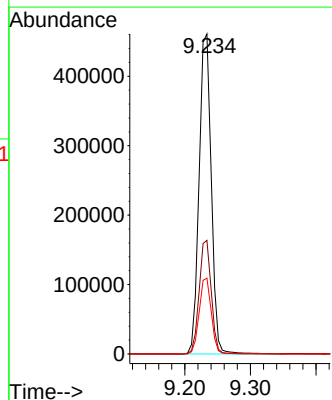
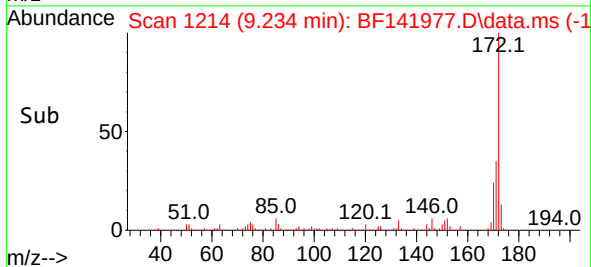
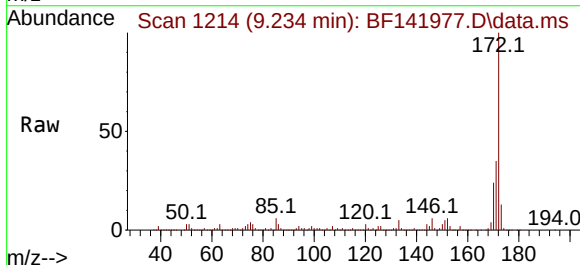


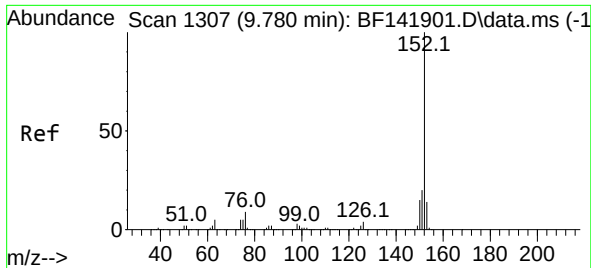
Tgt Ion:330 Resp: 130198
Ion Ratio Lower Upper
330 100
332 96.3 77.6 116.4
141 32.3 24.7 37.1



#45
2-Fluorobiphenyl
Concen: 49.895 ng
RT: 9.234 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF141977.D
Acq: 17 Mar 2025 13:01

Tgt Ion:172 Resp: 596214
Ion Ratio Lower Upper
172 100
171 35.5 29.3 43.9
170 23.7 19.4 29.0





#49

Acenaphthylene

Concen: 3.721 ng

RT: 9.775 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141977.D

Acq: 17 Mar 2025 13:01

Instrument :

BNA_F

ClientSampleId :

OK-02-03142025

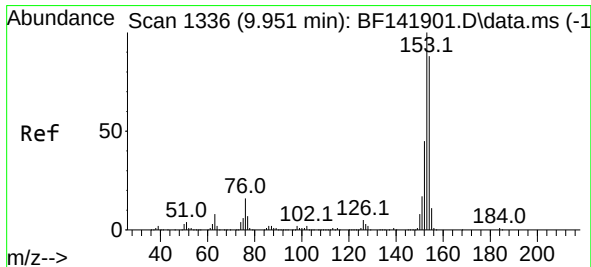
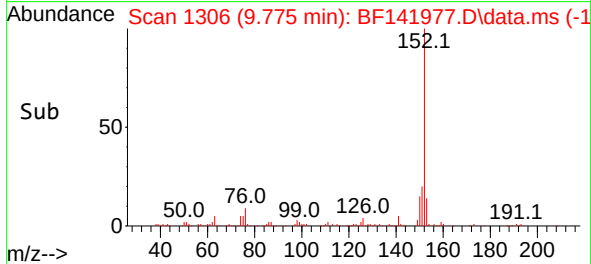
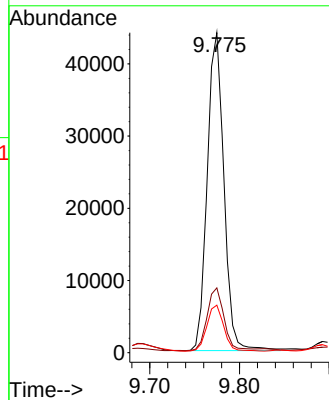
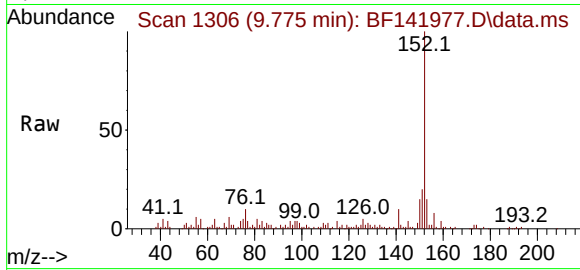
Tgt Ion:152 Resp: 56825

Ion Ratio Lower Upper

152 100

151 20.2 16.3 24.5

153 14.9 11.1 16.7



#52

Acenaphthene

Concen: 2.835 ng

RT: 9.945 min Scan# 1335

Delta R.T. -0.006 min

Lab File: BF141977.D

Acq: 17 Mar 2025 13:01

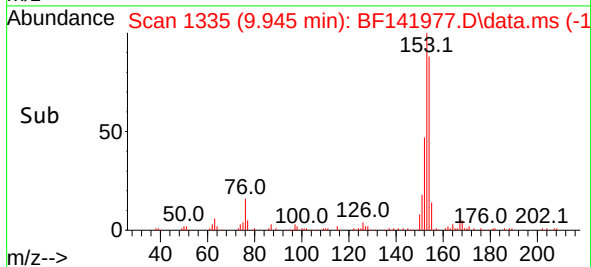
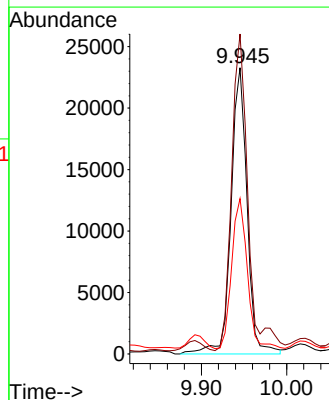
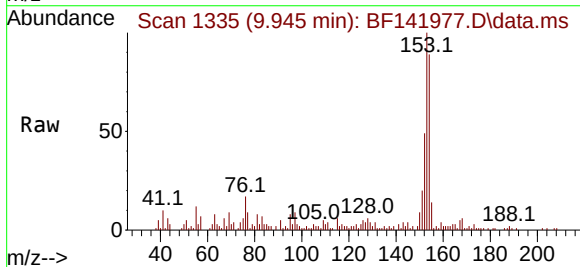
Tgt Ion:154 Resp: 30427

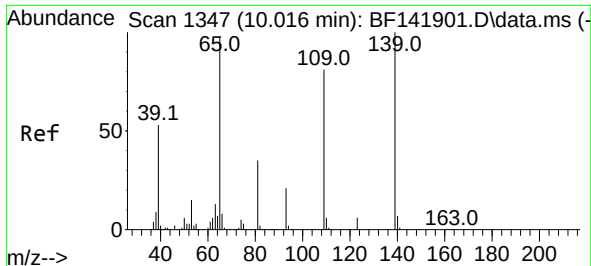
Ion Ratio Lower Upper

154 100

153 111.8 90.7 136.1

152 54.3 41.1 61.7

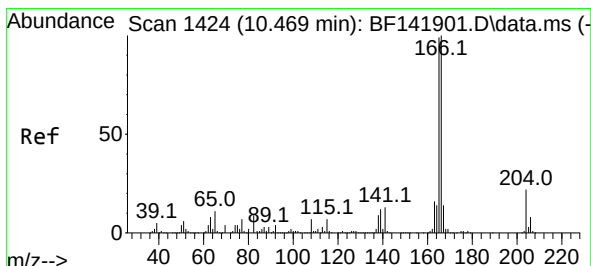
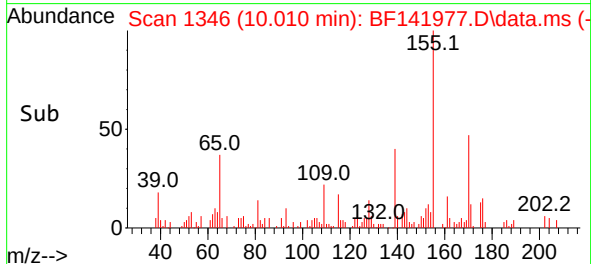
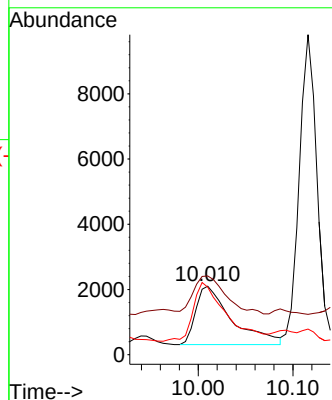
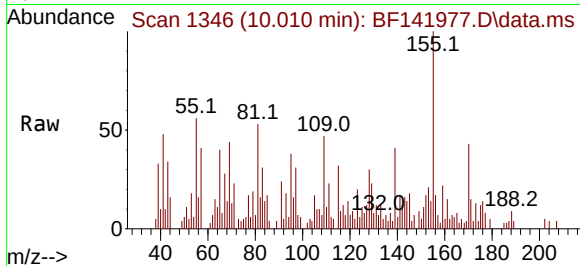




#56
4-Nitrophenol
Concen: 2.346 ng
RT: 10.010 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141977.D
Acq: 17 Mar 2025 13:01

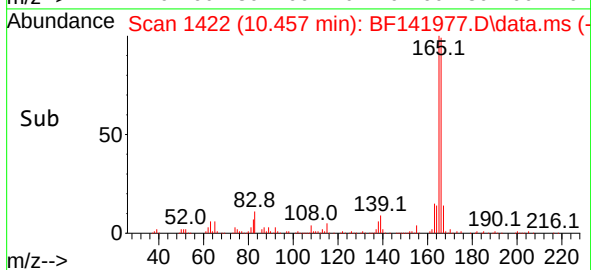
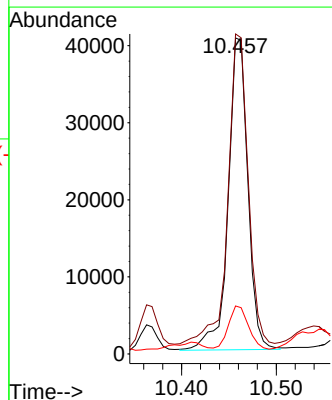
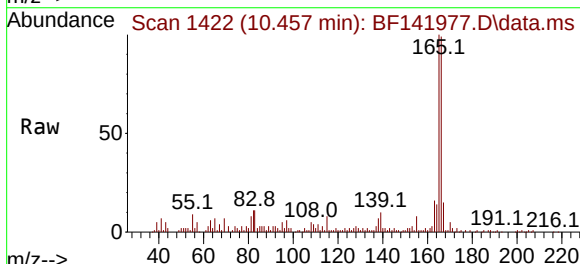
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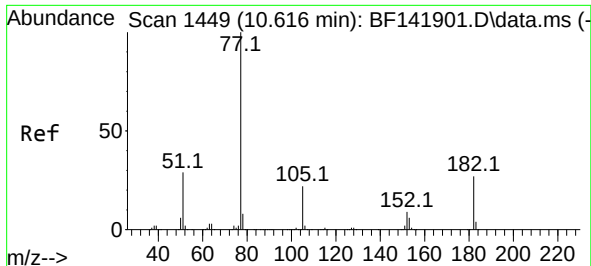
Tgt Ion:139 Resp: 4755
Ion Ratio Lower Upper
139 100
109 115.2 61.6 101.6#
65 98.7 79.4 119.4



#58
Fluorene
Concen: 4.940 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.012 min
Lab File: BF141977.D
Acq: 17 Mar 2025 13:01

Tgt Ion:166 Resp: 58425
Ion Ratio Lower Upper
166 100
165 101.2 79.0 118.4
167 15.2 11.0 16.4

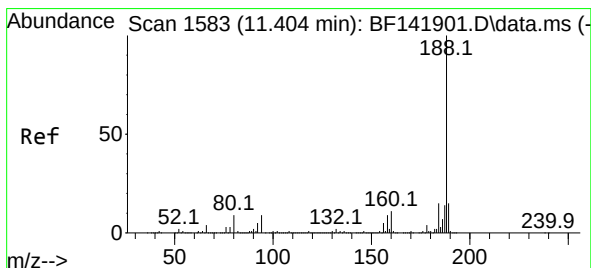
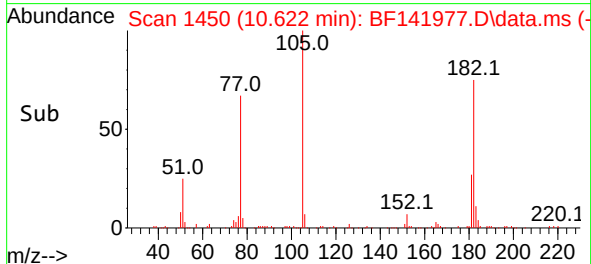
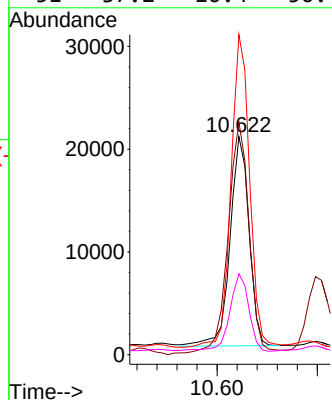
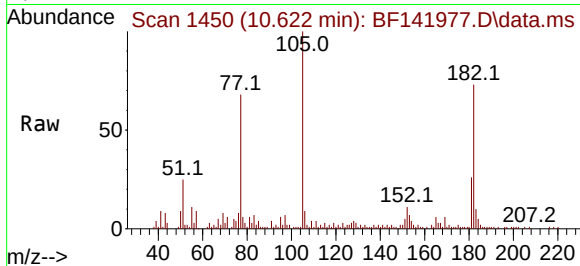




#63
Azobenzene
Concen: 2.272 ng
RT: 10.622 min Scan# 1449
Delta R.T. 0.006 min
Lab File: BF141977.D
Acq: 17 Mar 2025 13:01

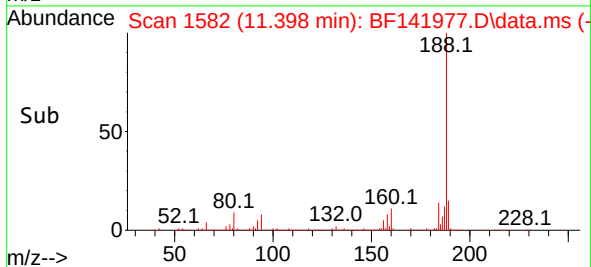
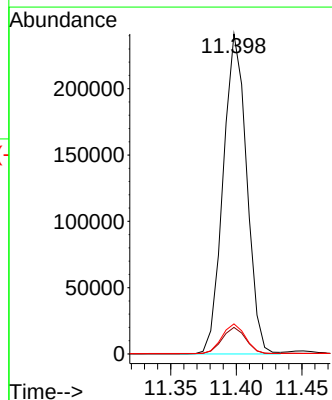
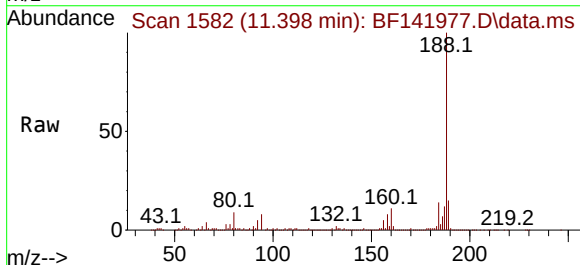
Instrument :
BNA_F
ClientSampleId :
OK-02-03142025

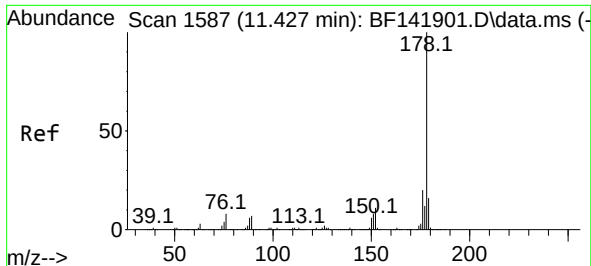
Tgt Ion:	77	Resp:	26799
Ion	Ratio	Lower	Upper
77	100		
182	106.7	6.6	46.6#
105	146.7	1.3	41.3#
51	37.2	10.4	50.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141977.D
Acq: 17 Mar 2025 13:01

Tgt Ion:	188	Resp:	300916
Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.8	10.2
80	9.4	7.6	11.4

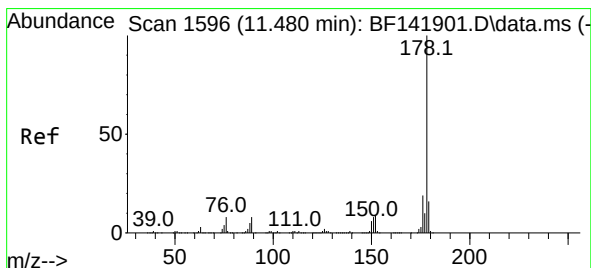
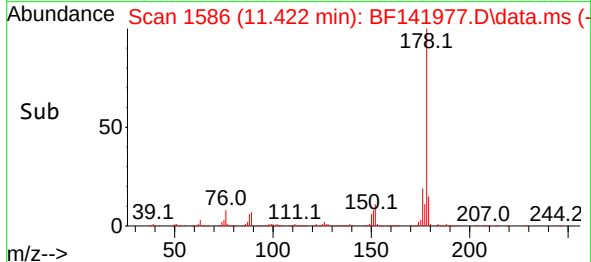
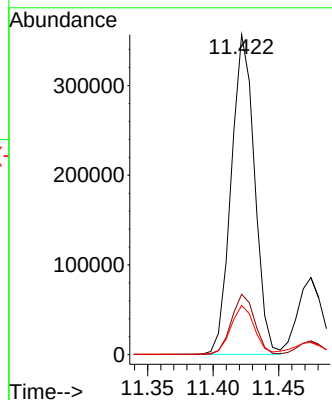
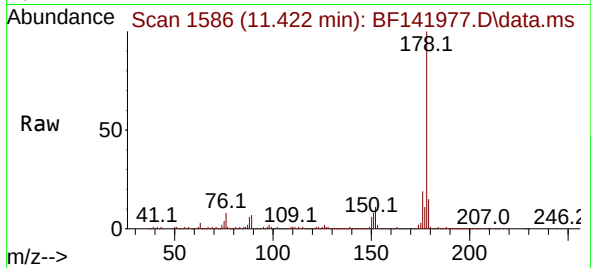




#71
Phenanthrene
Concen: 27.168 ng
RT: 11.422 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141977.D
Acq: 17 Mar 2025 13:01

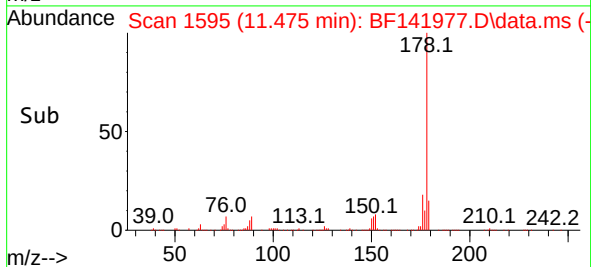
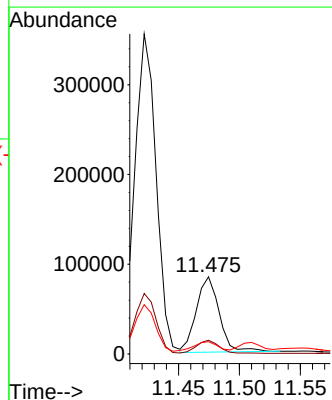
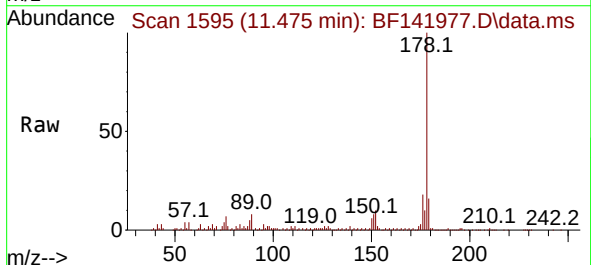
Instrument :
BNA_F
ClientSampleId :
OK-02-03142025

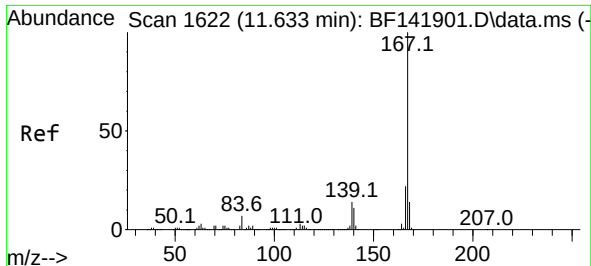
Tgt Ion:178 Resp: 441569
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.8
179 15.4 12.6 19.0



#72
Anthracene
Concen: 6.763 ng
RT: 11.475 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF141977.D
Acq: 17 Mar 2025 13:01

Tgt Ion:178 Resp: 110287
Ion Ratio Lower Upper
178 100
176 17.8 15.1 22.7
179 15.9 12.6 19.0

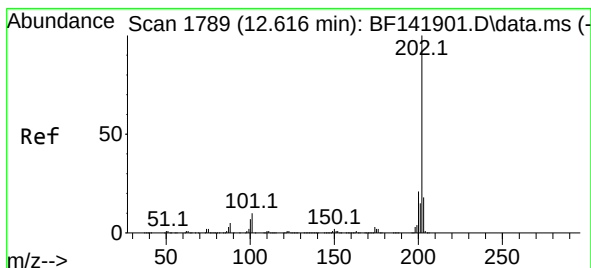
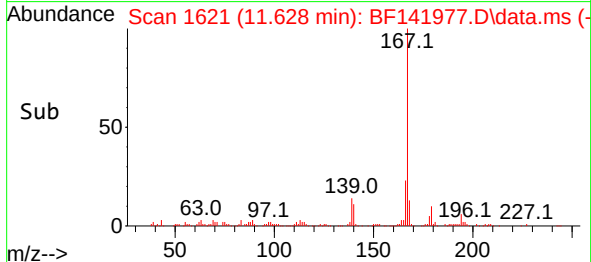
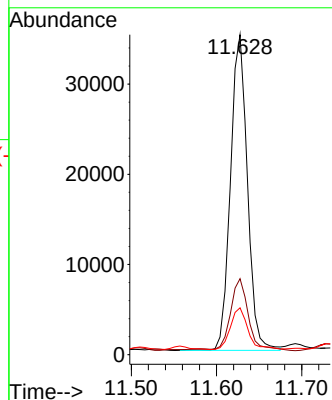
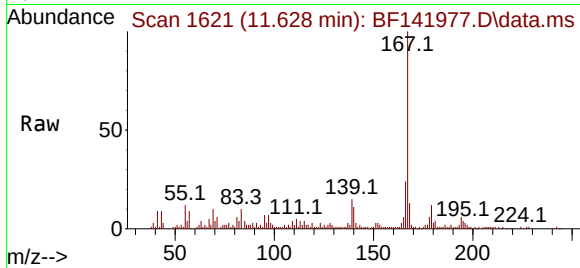




#73
 Carbazole
 Concen: 3.449 ng
 RT: 11.628 min Scan# 1621
 Delta R.T. -0.006 min
 Lab File: BF141977.D
 Acq: 17 Mar 2025 13:01

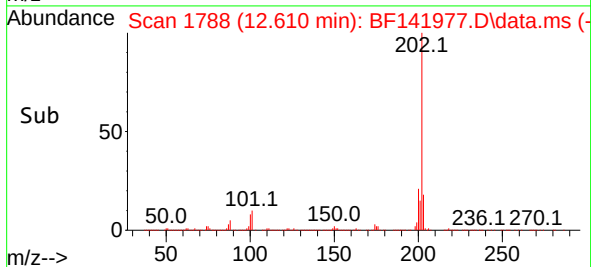
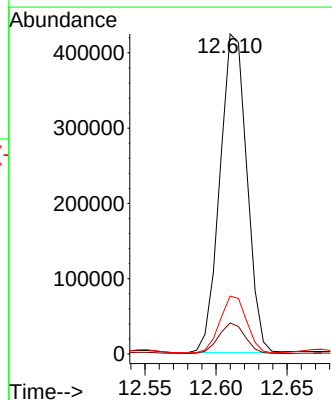
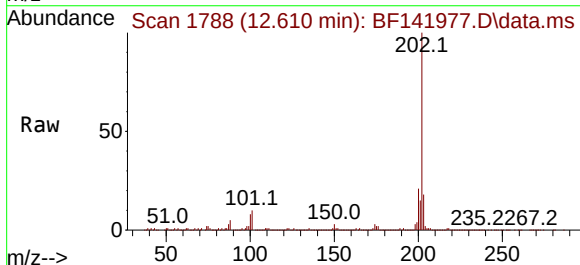
Instrument :
 BNA_F
 ClientSampleId :
 OK-02-03142025

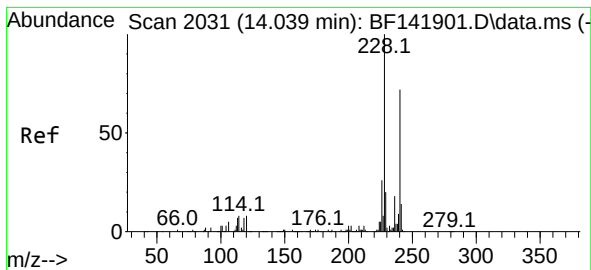
Tgt Ion:	167	Resp:	48508
Ion Ratio	Lower	Upper	
167	100		
166	23.8	17.4	26.2
139	14.7	11.0	16.6



#75
 Fluoranthene
 Concen: 32.408 ng
 RT: 12.610 min Scan# 1788
 Delta R.T. -0.006 min
 Lab File: BF141977.D
 Acq: 17 Mar 2025 13:01

Tgt Ion:	202	Resp:	558746
Ion Ratio	Lower	Upper	
202	100		
101	9.7	0.0	29.7
203	18.1	0.0	37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2031

Delta R.T. 0.000 min

Lab File: BF141977.D

Acq: 17 Mar 2025 13:01

Instrument :

BNA_F

ClientSampleId :

OK-02-03142025

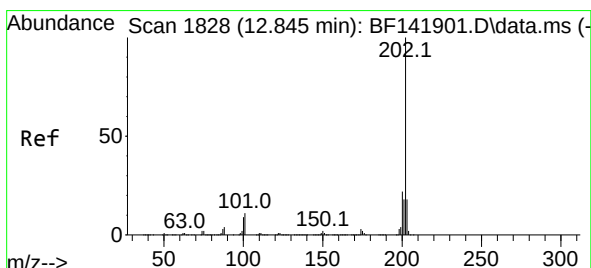
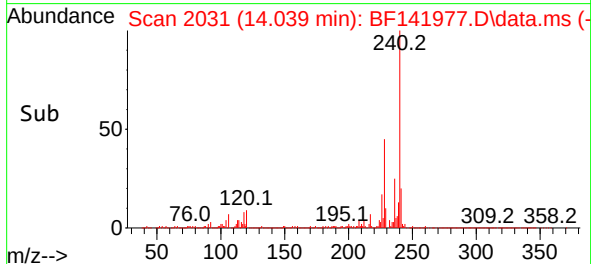
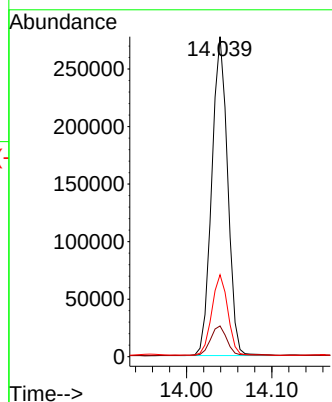
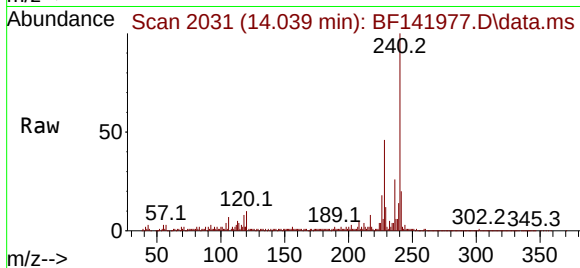
Tgt Ion:240 Resp: 359541

Ion Ratio Lower Upper

240 100

120 9.6 8.4 12.6

236 25.6 20.5 30.7



#78

Pyrene

Concen: 19.099 ng

RT: 12.839 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF141977.D

Acq: 17 Mar 2025 13:01

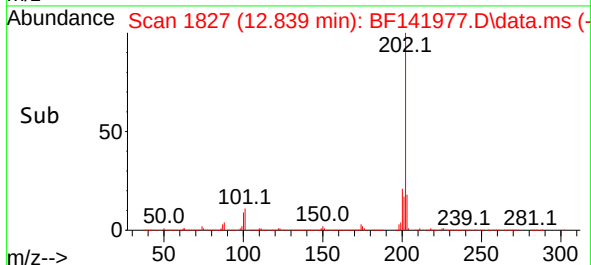
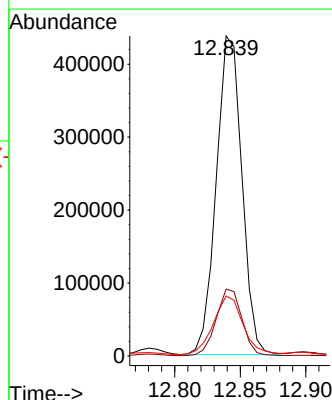
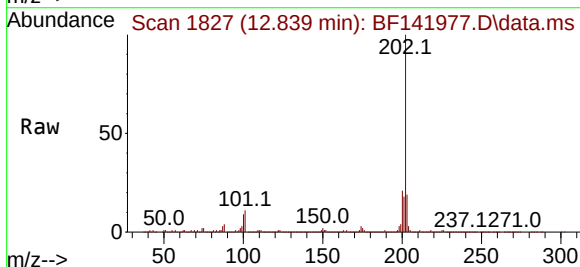
Tgt Ion:202 Resp: 593991

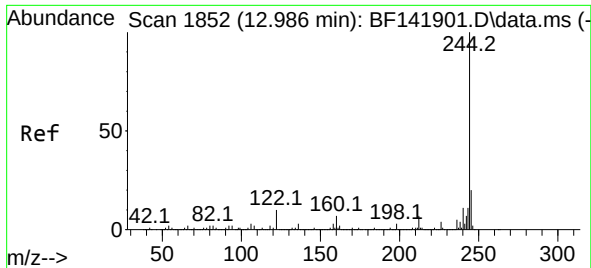
Ion Ratio Lower Upper

202 100

200 20.9 17.3 25.9

203 18.8 14.4 21.6

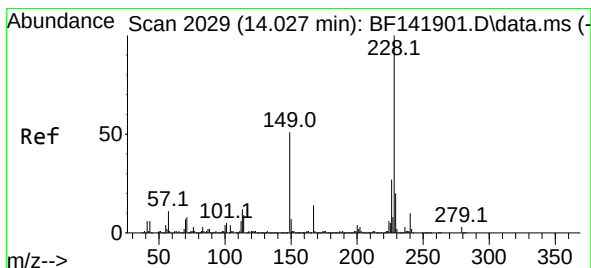
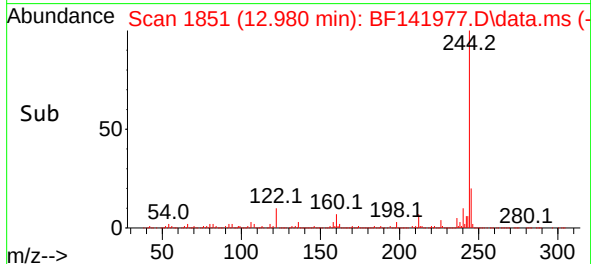
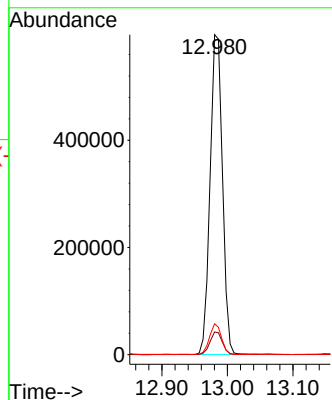
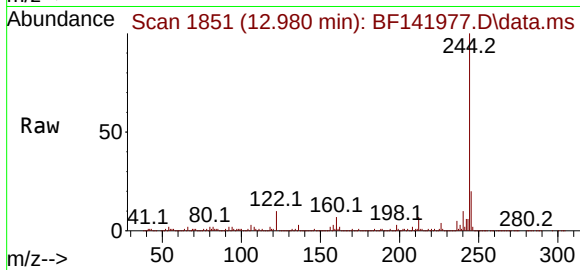




#79
 Terphenyl-d14
 Concen: 32.273 ng
 RT: 12.980 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF141977.D
 Acq: 17 Mar 2025 13:01

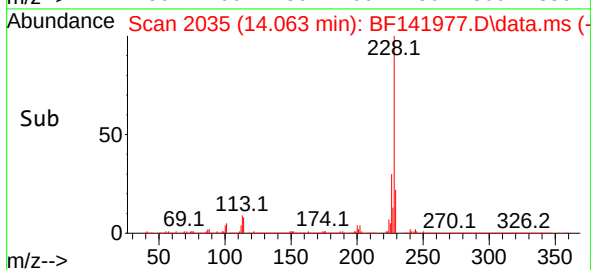
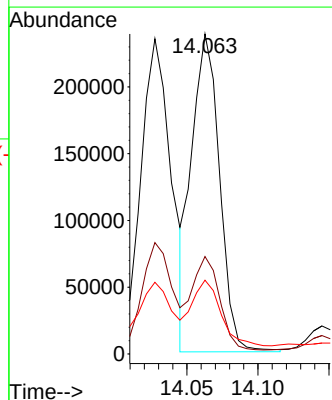
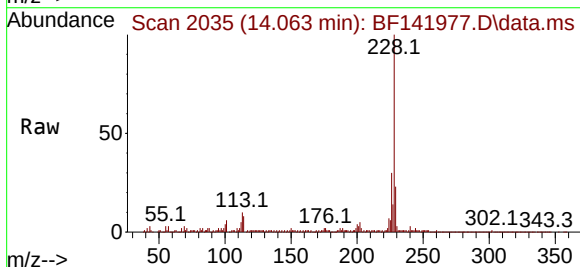
Instrument :
 BNA_F
 ClientSampleId :
 OK-02-03142025

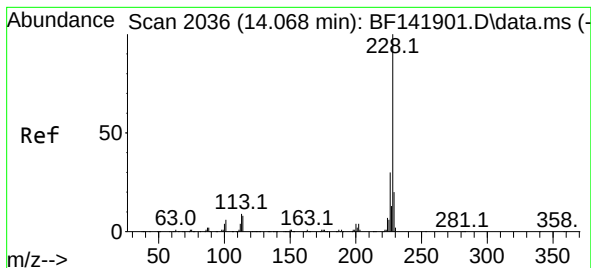
Tgt Ion:244 Resp: 784849
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 9.6 7.7 11.5



#81
 Benzo(a)anthracene
 Concen: 13.770 ng
 RT: 14.063 min Scan# 2035
 Delta R.T. 0.036 min
 Lab File: BF141977.D
 Acq: 17 Mar 2025 13:01

Tgt Ion:228 Resp: 324875
 Ion Ratio Lower Upper
 228 100
 226 30.5 21.8 32.8
 229 23.0 16.0 24.0





#83

Chrysene

Concen: 15.191 ng

RT: 14.063 min Scan# 2036

Delta R.T. -0.006 min

Lab File: BF141977.D

Acq: 17 Mar 2025 13:01

Instrument :

BNA_F

ClientSampleId :

OK-02-03142025

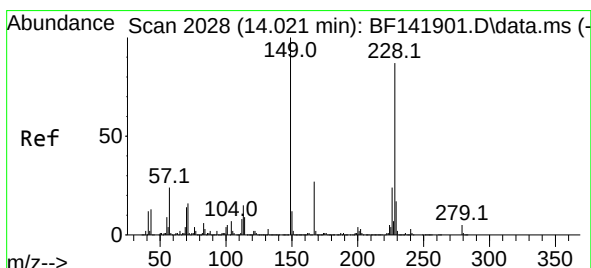
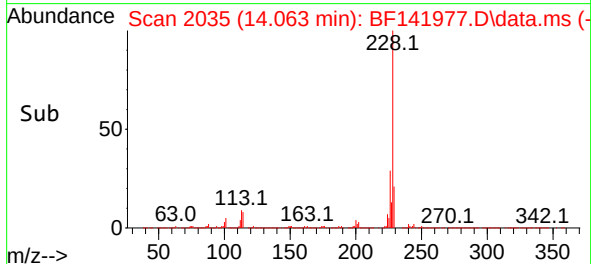
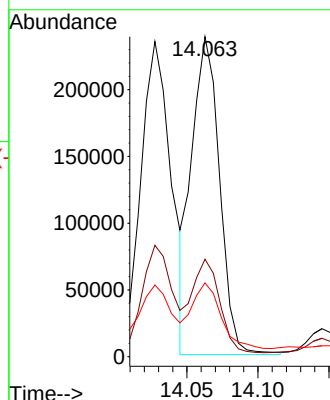
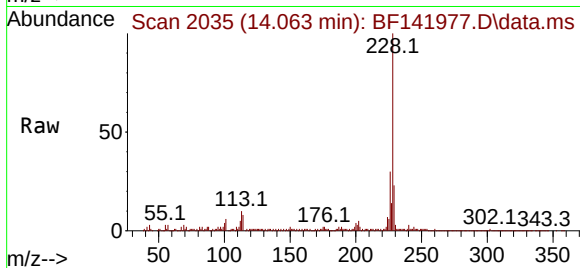
Tgt Ion:228 Resp: 324875

Ion Ratio Lower Upper

228 100

226 30.5 24.1 36.1

229 23.0 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.217 ng

RT: 14.016 min Scan# 2027

Delta R.T. -0.006 min

Lab File: BF141977.D

Acq: 17 Mar 2025 13:01

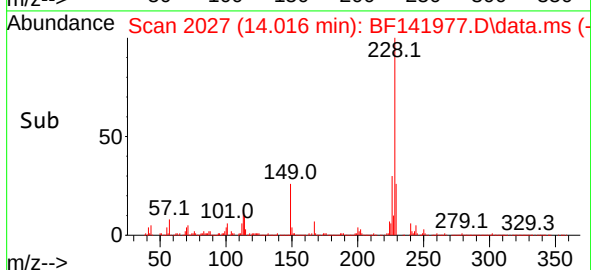
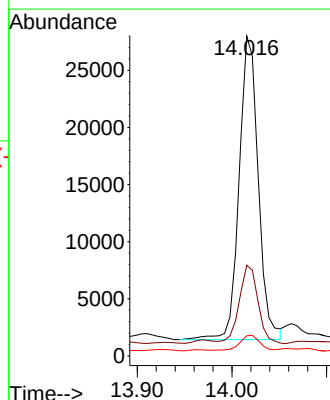
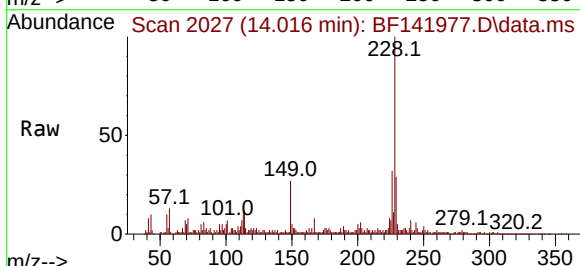
Tgt Ion:149 Resp: 37213

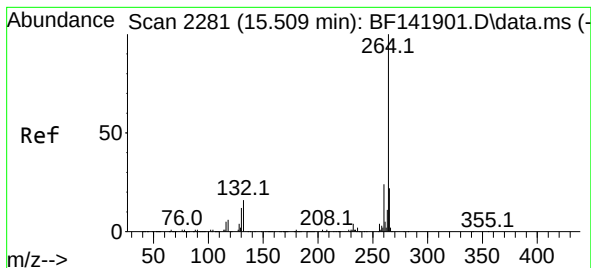
Ion Ratio Lower Upper

149 100

167 28.3 21.4 32.0

279 6.3 3.8 5.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.516 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF141977.D

Acq: 17 Mar 2025 13:01

Instrument :

BNA_F

ClientSampleId :

OK-02-03142025

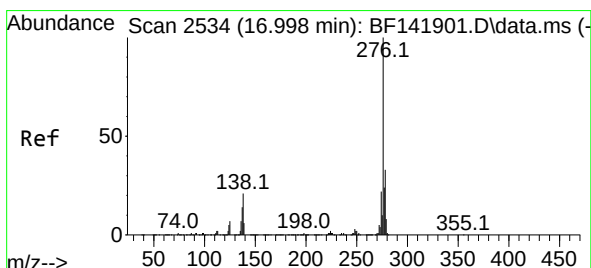
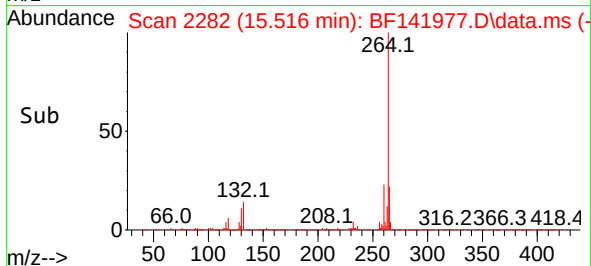
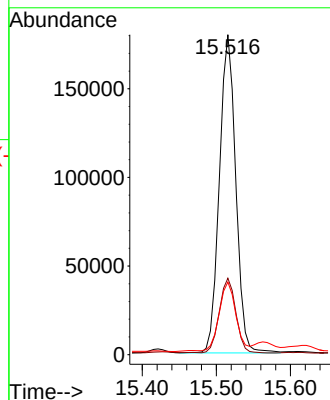
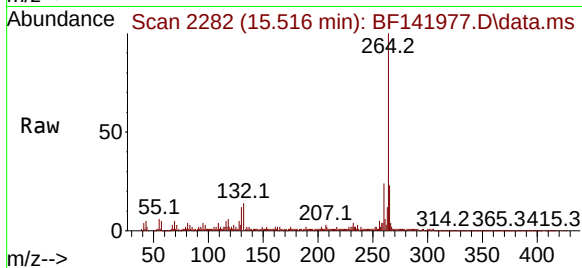
Tgt Ion:264 Resp: 275917

Ion Ratio Lower Upper

264 100

260 23.9 19.1 28.7

265 22.7 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.775 ng

RT: 16.998 min Scan# 2534

Delta R.T. 0.000 min

Lab File: BF141977.D

Acq: 17 Mar 2025 13:01

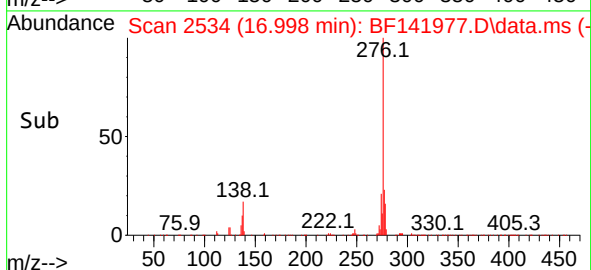
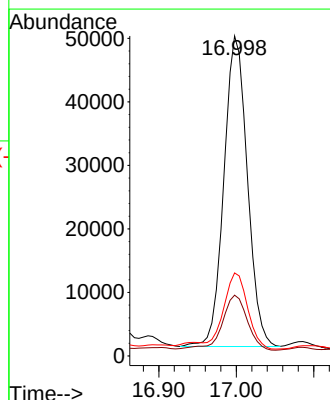
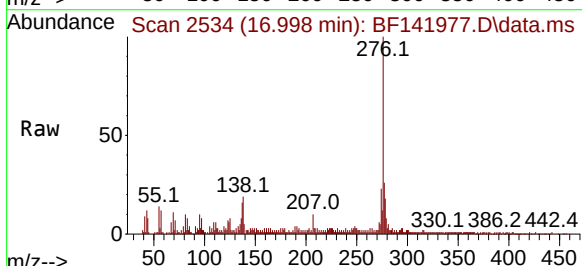
Tgt Ion:276 Resp: 103071

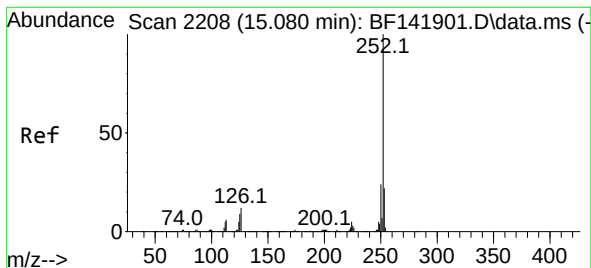
Ion Ratio Lower Upper

276 100

138 19.1 18.4 27.6

277 25.1 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 21.648 ng

RT: 15.086 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF141977.D

Acq: 17 Mar 2025 13:01

Instrument :

BNA_F

ClientSampleId :

OK-02-03142025

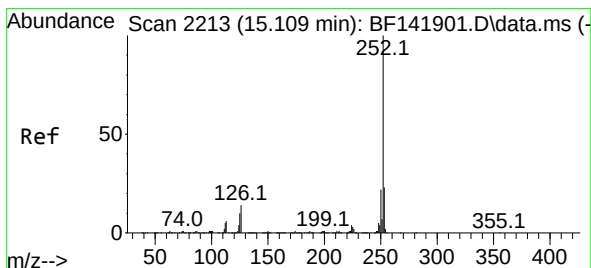
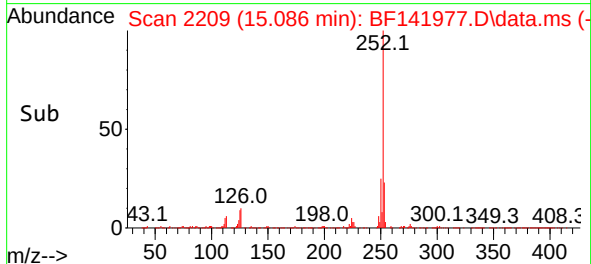
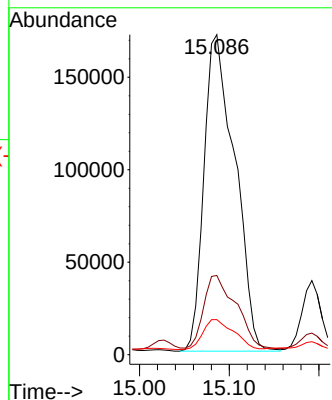
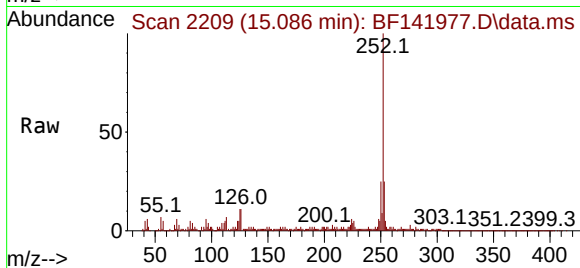
Tgt Ion:252 Resp: 409374

Ion Ratio Lower Upper

252 100

253 24.8 17.5 26.3

125 10.9 7.0 10.4#



#89

Benzo(k)fluoranthene

Concen: 25.297 ng

RT: 15.086 min Scan# 2209

Delta R.T. -0.023 min

Lab File: BF141977.D

Acq: 17 Mar 2025 13:01

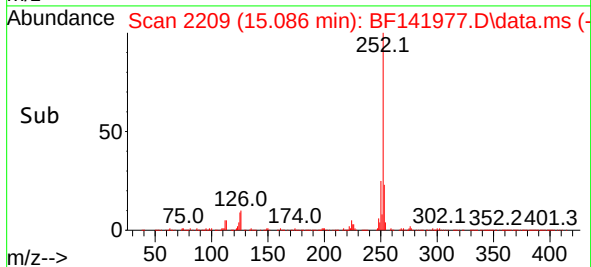
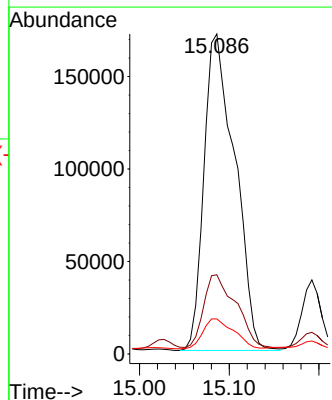
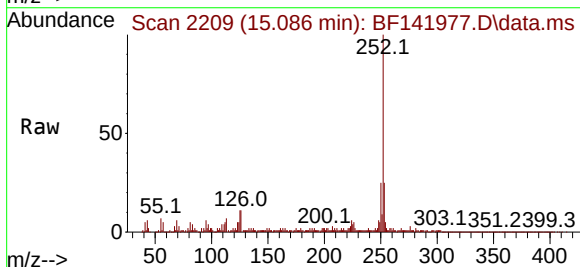
Tgt Ion:252 Resp: 409374

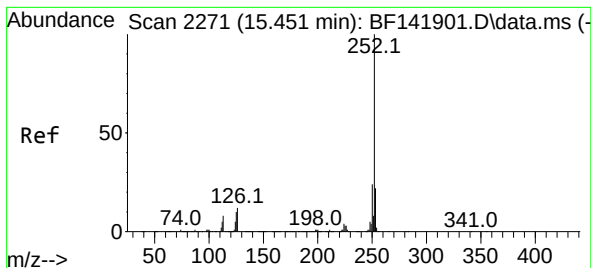
Ion Ratio Lower Upper

252 100

253 24.8 17.7 26.5

125 10.9 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 13.925 ng

RT: 15.451 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF141977.D

Acq: 17 Mar 2025 13:01

Instrument :

BNA_F

ClientSampleId :

OK-02-03142025

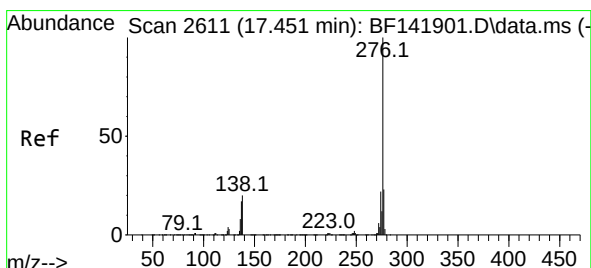
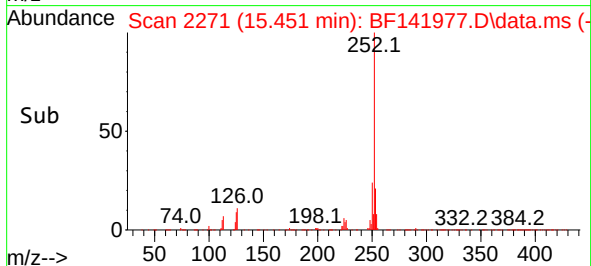
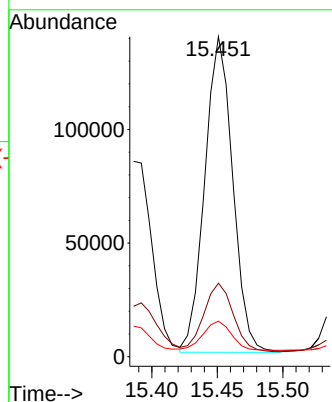
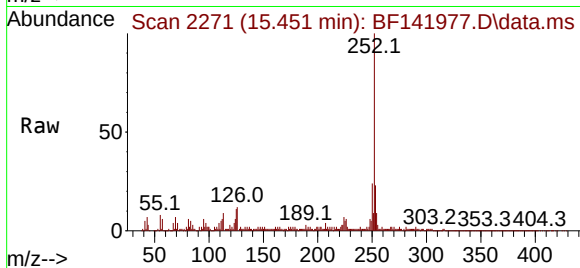
Tgt Ion:252 Resp: 206040

Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.0

125 11.1 7.8 11.8



#92

Benzo(g,h,i)perylene

Concen: 7.511 ng

RT: 17.451 min Scan# 2611

Delta R.T. 0.000 min

Lab File: BF141977.D

Acq: 17 Mar 2025 13:01

Tgt Ion:276 Resp: 109305

Ion Ratio Lower Upper

276 100

277 25.9 18.7 28.1

138 19.3 15.8 23.8

