

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031225\
 Data File : BF141935.D
 Acq On : 12 Mar 2025 12:16
 Operator : RC/JU
 Sample : Q1507-01DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 50-MIDDLESEX-AVEDL

Quant Time: Mar 12 12:49:27 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)

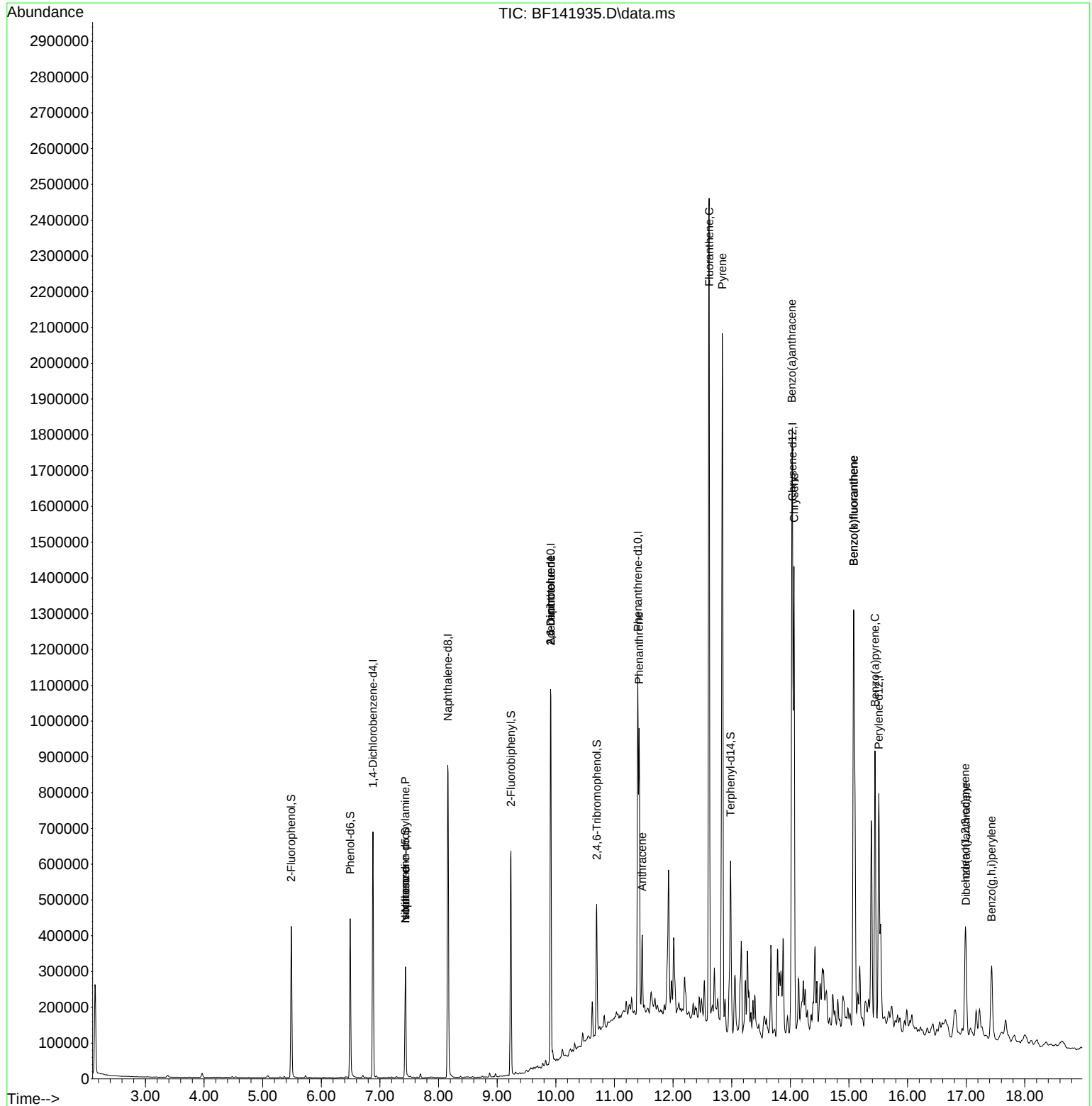
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	145431	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	572584	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	315823	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	471031	20.000	ng	0.00
76) Chrysene-d12	14.039	240	316987	20.000	ng	0.00
86) Perylene-d12	15.510	264	374861	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	160408	18.408	ng	0.00
7) Phenol-d6	6.493	99	204647	18.446	ng	-0.01
23) Nitrobenzene-d5	7.434	82	138703	13.632	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	59870	14.943	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	281190	13.540	ng	0.00
79) Terphenyl-d14	12.980	244	216691	10.107	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	18524	2.598	ng	# 78
25) Isophorone	7.434	82	135010	7.507	ng	# 64
51) 2,6-Dinitrotoluene	9.910	165	41418	8.994	ng	# 23
57) 2,4-Dinitrotoluene	9.910	165	41840	6.957	ng	# 25
71) Phenanthrene	11.422	178	414214	16.281	ng	99
72) Anthracene	11.475	178	128746	5.044	ng	99
75) Fluoranthene	12.616	202	1348310	49.960	ng	99
78) Pyrene	12.839	202	1144655	41.746	ng	98
81) Benzo(a)anthracene	14.027	228	743730	35.755	ng	99
83) Chrysene	14.063	228	653012	34.633	ng	98
87) Indeno(1,2,3-cd)pyrene	16.986	276	231508	9.547	ng	95
88) Benzo(b)fluoranthene	15.080	252	1040728	40.509	ng	98
89) Benzo(k)fluoranthene	15.080	252	1040728	47.336	ng	99
90) Benzo(a)pyrene	15.445	252	465216	23.142	ng	98
91) Dibenzo(a,h)anthracene	16.998	278	74332	3.715	ng	94
92) Benzo(g,h,i)perylene	17.433	276	188033	9.510	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031225\
Data File : BF141935.D
Acq On : 12 Mar 2025 12:16
Operator : RC/JU
Sample : Q1507-01DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
50-MIDDLESEX-AVEDL

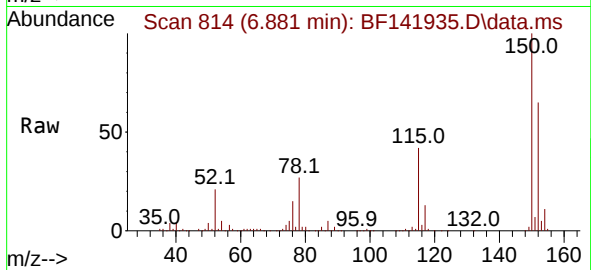
Quant Time: Mar 12 12:49:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration



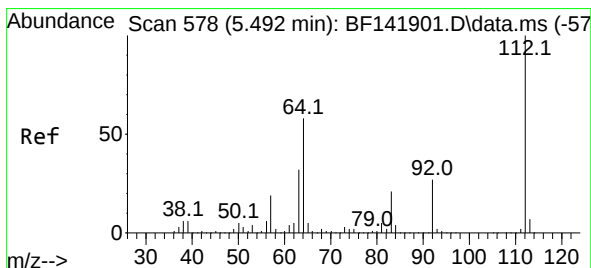
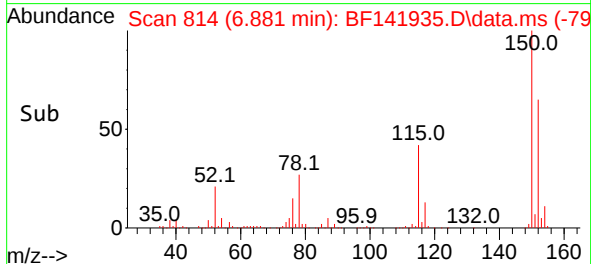
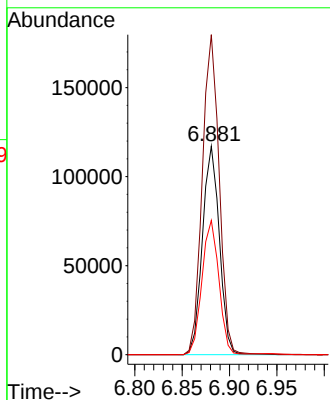


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF141935.D
Acq: 12 Mar 2025 12:16

Instrument :
BNA_F
ClientSampleId :
50-MIDDLESEX-AVEDL

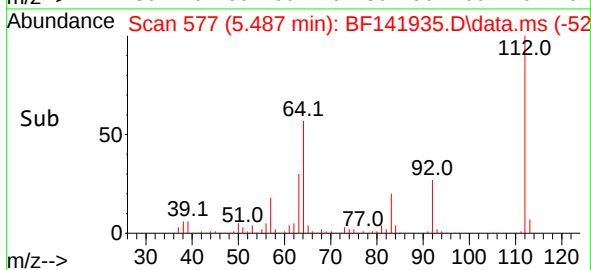
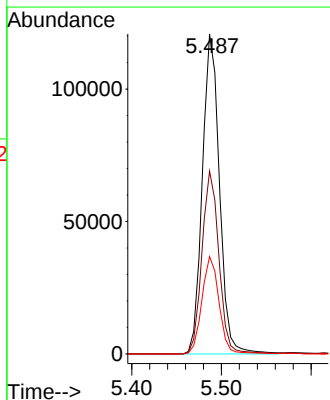
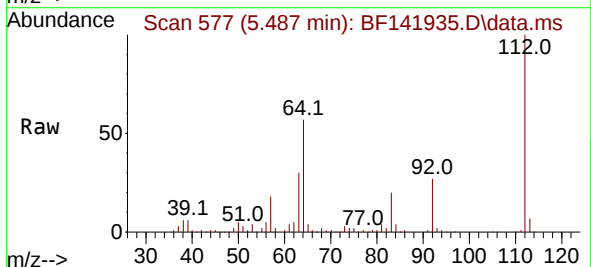


Tgt Ion:152 Resp: 145431
Ion Ratio Lower Upper
152 100
150 153.5 127.4 191.2
115 64.4 51.9 77.9



#5
2-Fluorophenol
Concen: 18.408 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF141935.D
Acq: 12 Mar 2025 12:16

Tgt Ion:112 Resp: 160408
Ion Ratio Lower Upper
112 100
64 57.2 46.5 69.7
63 30.5 25.4 38.2

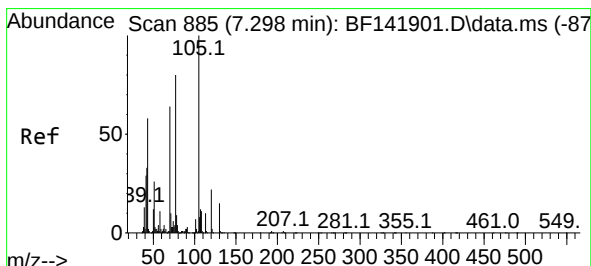
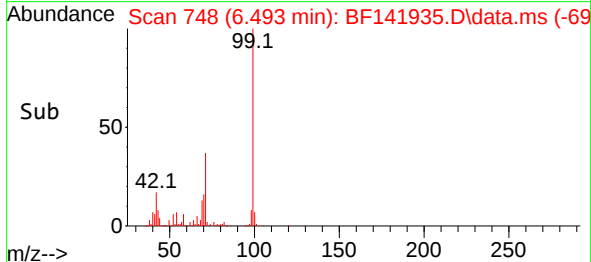
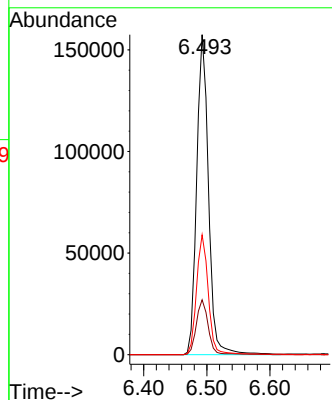
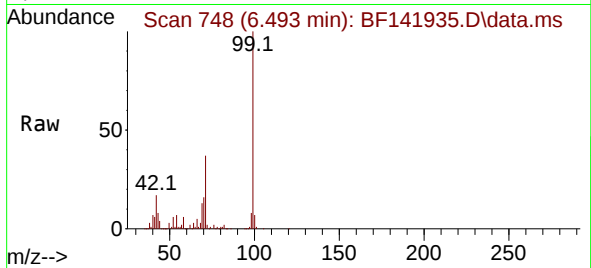




#7
Phenol-d6
Concen: 18.446 ng
RT: 6.493 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF141935.D
Acq: 12 Mar 2025 12:16

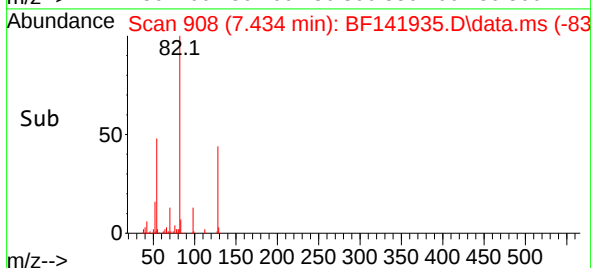
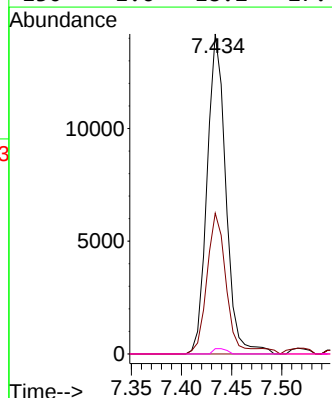
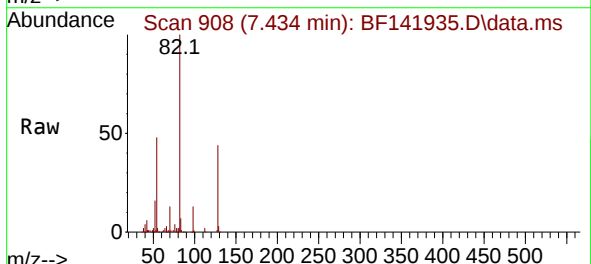
Instrument :
BNA_F
ClientSampleId :
50-MIDDLESEX-AVEDL

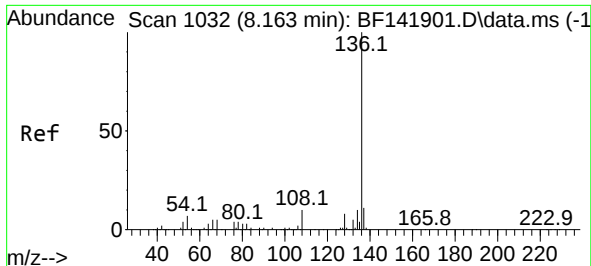
Tgt Ion: 99 Resp: 204647
Ion Ratio Lower Upper
99 100
42 17.2 14.6 21.8
71 37.4 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 2.598 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.135 min
Lab File: BF141935.D
Acq: 12 Mar 2025 12:16

Tgt Ion: 70 Resp: 18524
Ion Ratio Lower Upper
70 100
42 44.0 41.4 62.0
101 0.0 8.2 12.2#
130 1.6 18.2 27.4#



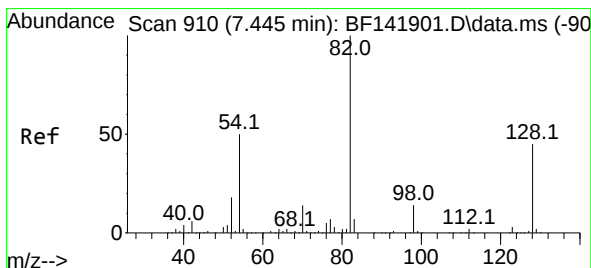
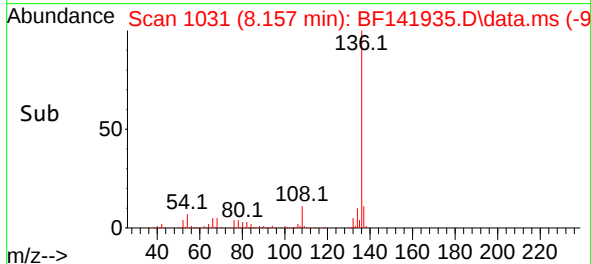
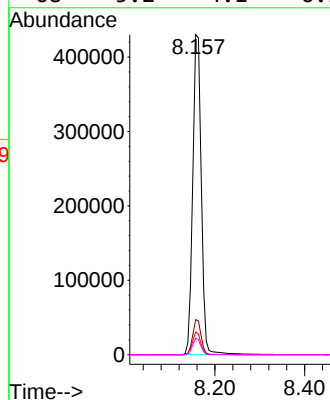
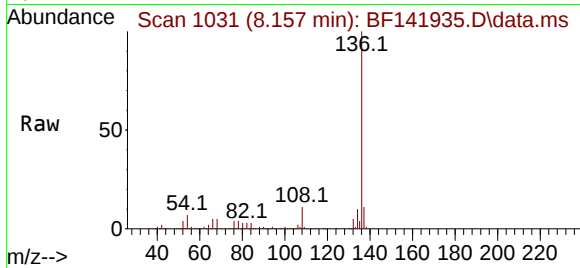


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF141935.D
Acq: 12 Mar 2025 12:16

Instrument :
BNA_F
ClientSampleId :
50-MIDDLESEX-AVEDL

Tgt Ion:136 Resp: 572584

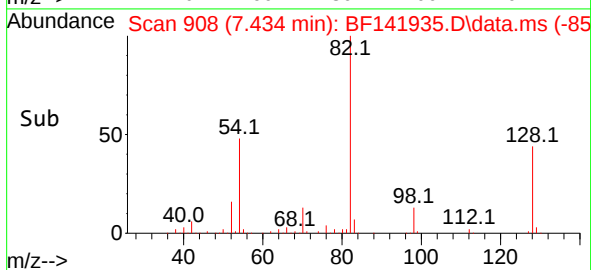
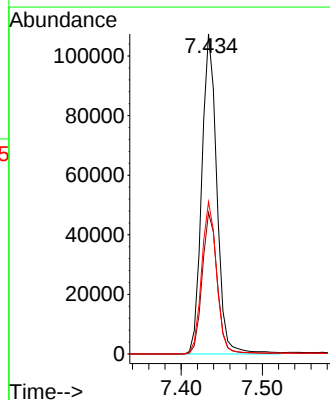
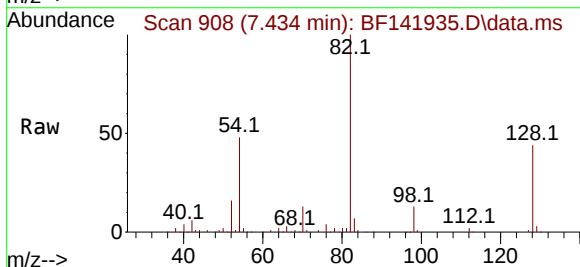
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.1	5.8	8.8
68	5.2	4.1	6.1

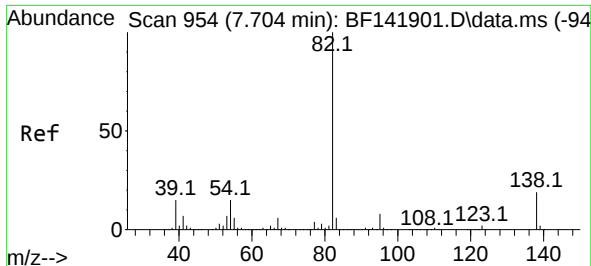


#23
Nitrobenzene-d5
Concen: 13.632 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF141935.D
Acq: 12 Mar 2025 12:16

Tgt Ion: 82 Resp: 138703

Ion	Ratio	Lower	Upper
82	100		
128	44.1	36.0	54.0
54	47.6	39.6	59.4

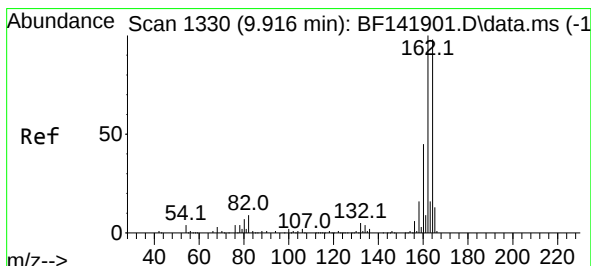
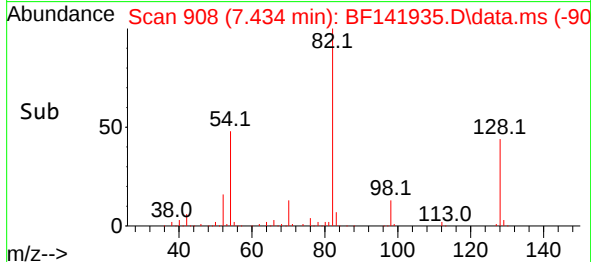
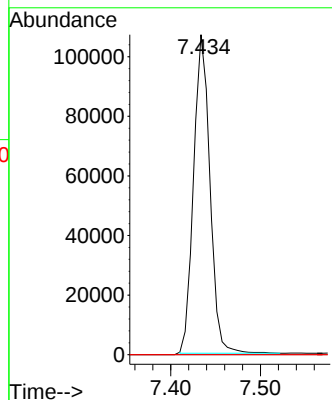
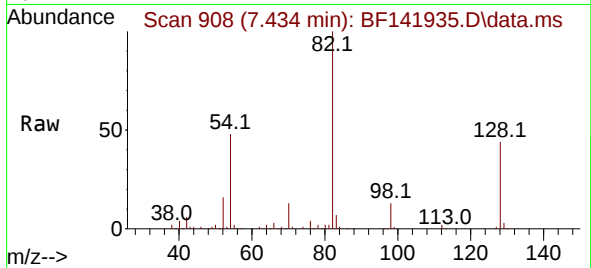




#25
Isophorone
Concen: 7.507 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.270 min
Lab File: BF141935.D
Acq: 12 Mar 2025 12:16

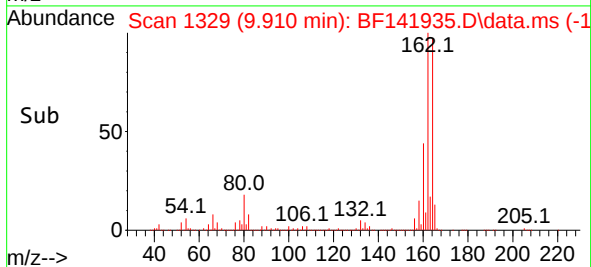
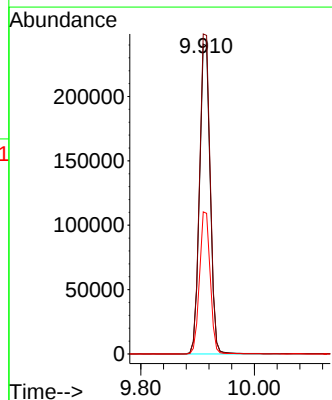
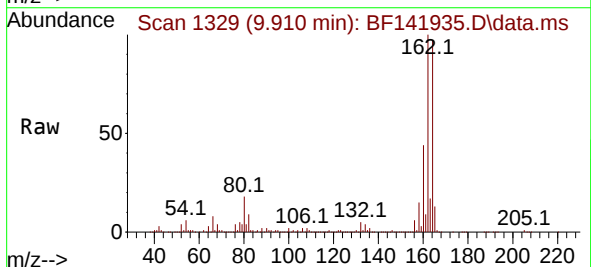
Instrument :
BNA_F
ClientSampleId :
50-MIDDLESEX-AVEDL

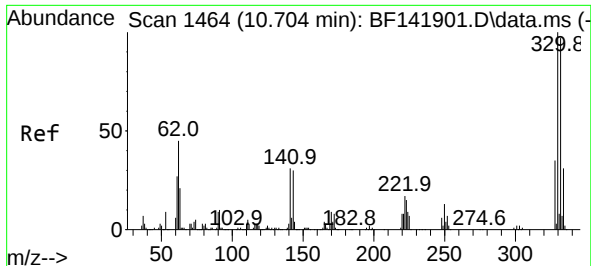
Tgt Ion: 82 Resp: 135010
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF141935.D
Acq: 12 Mar 2025 12:16

Tgt Ion:164 Resp: 315823
Ion Ratio Lower Upper
164 100
162 103.2 81.8 122.6
160 45.8 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 14.943 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF141935.D

Acq: 12 Mar 2025 12:16

Instrument :

BNA_F

ClientSampleId :

50-MIDDLESEX-AVEDL

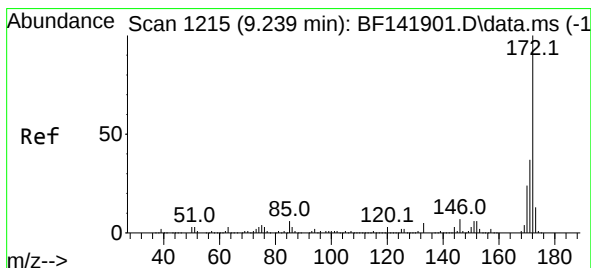
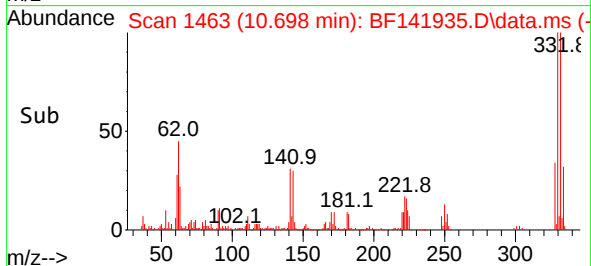
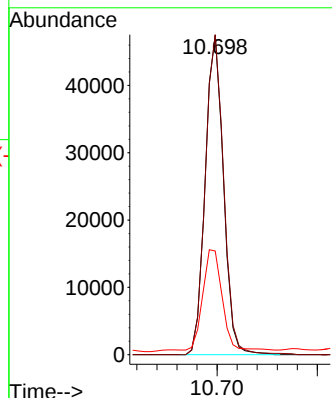
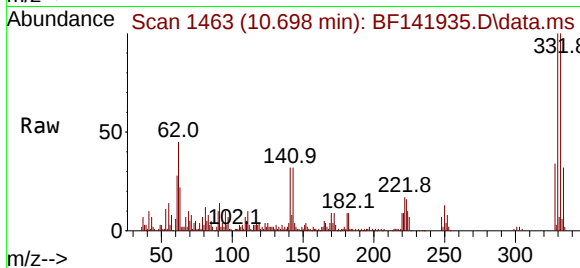
Tgt Ion:330 Resp: 59870

Ion Ratio Lower Upper

330 100

332 101.5 77.6 116.4

141 35.8 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 13.540 ng

RT: 9.234 min Scan# 1214

Delta R.T. -0.006 min

Lab File: BF141935.D

Acq: 12 Mar 2025 12:16

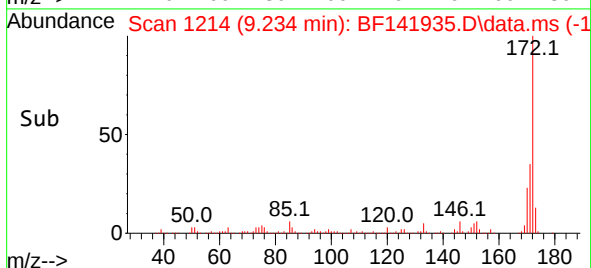
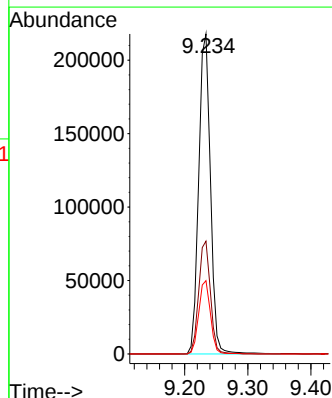
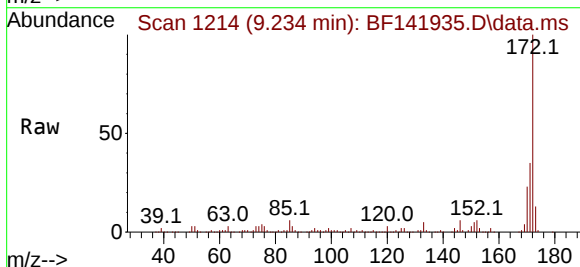
Tgt Ion:172 Resp: 281190

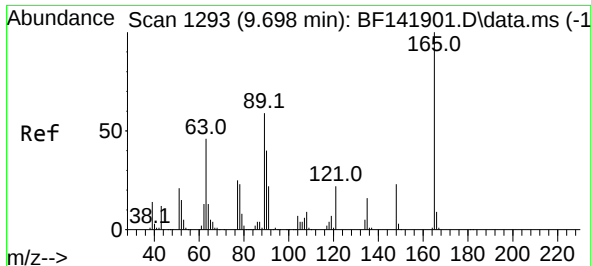
Ion Ratio Lower Upper

172 100

171 35.3 29.3 43.9

170 22.9 19.4 29.0

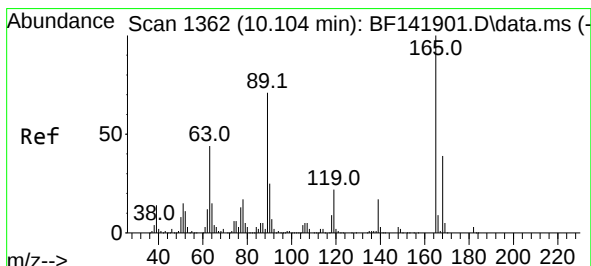
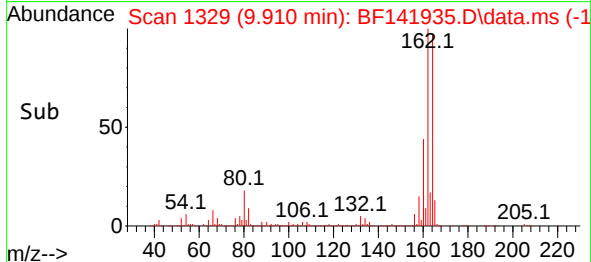
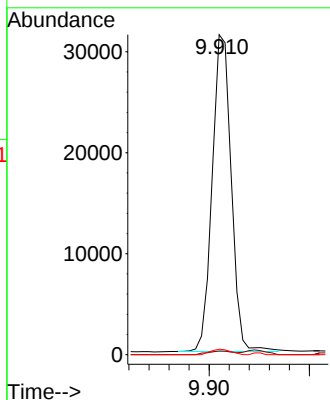
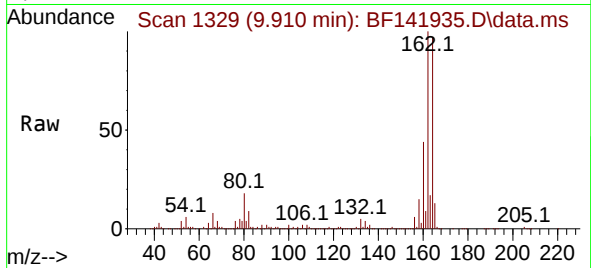




#51
2,6-Dinitrotoluene
Concen: 8.994 ng
RT: 9.910 min Scan# 1329
Delta R.T. 0.212 min
Lab File: BF141935.D
Acq: 12 Mar 2025 12:16

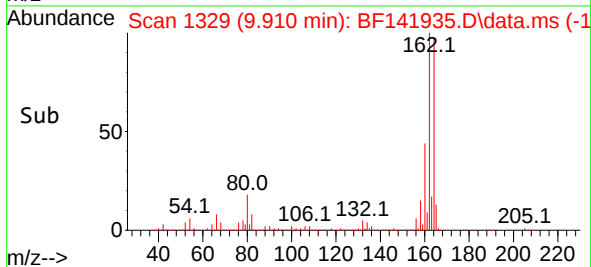
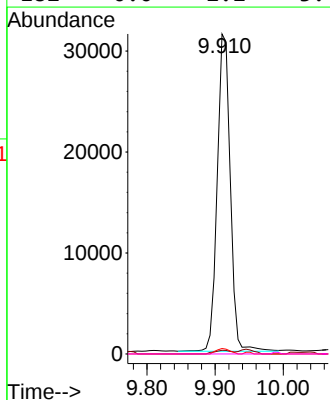
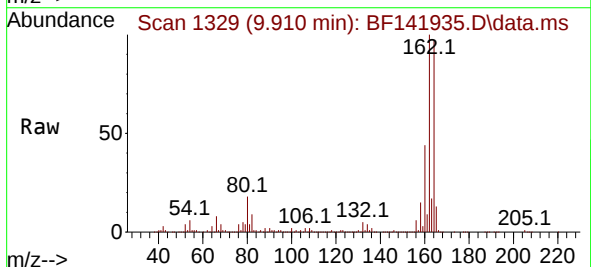
Instrument :
BNA_F
ClientSampleId :
50-MIDDLESEX-AVEDL

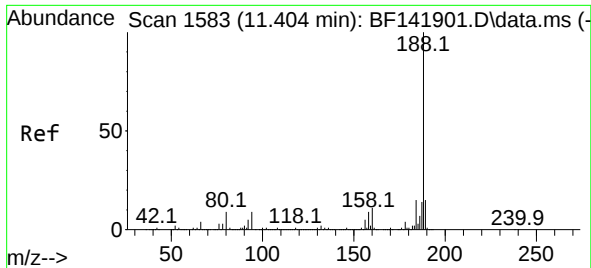
Tgt Ion:165 Resp: 41418
Ion Ratio Lower Upper
165 100
63 1.2 47.0 70.4#
89 1.7 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 6.957 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.194 min
Lab File: BF141935.D
Acq: 12 Mar 2025 12:16

Tgt Ion:165 Resp: 41840
Ion Ratio Lower Upper
165 100
63 1.2 35.4 53.2#
89 1.7 56.6 84.8#
182 0.0 2.2 3.4#

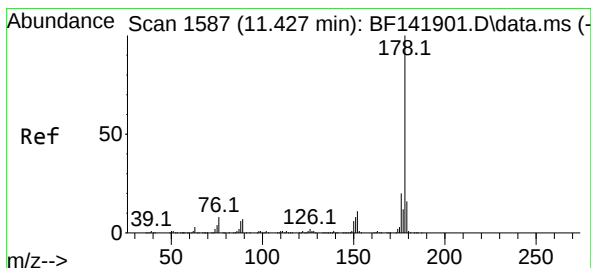
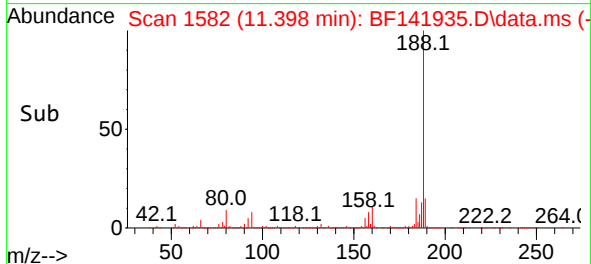
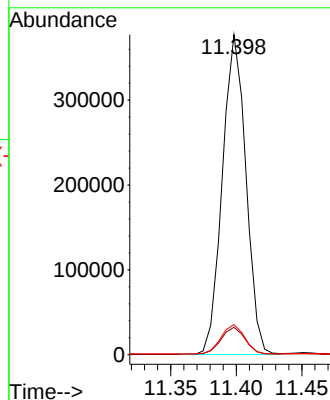
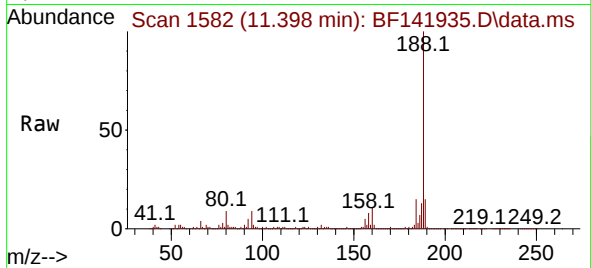




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141935.D
Acq: 12 Mar 2025 12:16

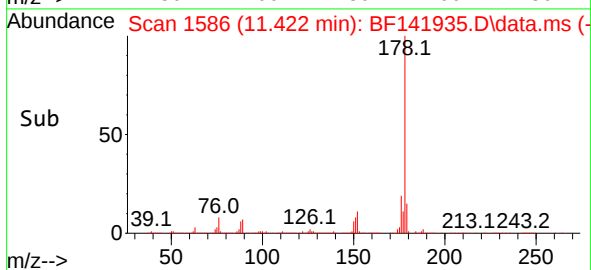
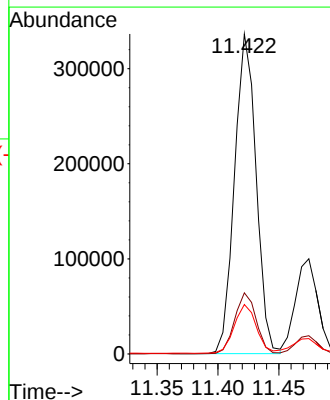
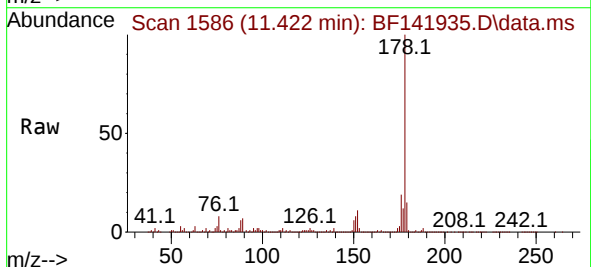
Instrument :
BNA_F
ClientSampleId :
50-MIDDLESEX-AVEDL

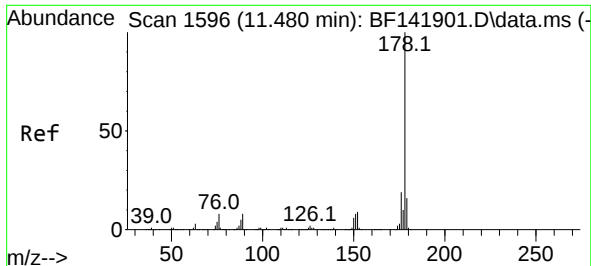
Tgt Ion:188 Resp: 471031
Ion Ratio Lower Upper
188 100
94 8.6 6.8 10.2
80 9.4 7.6 11.4



#71
Phenanthrene
Concen: 16.281 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF141935.D
Acq: 12 Mar 2025 12:16

Tgt Ion:178 Resp: 414214
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.8
179 15.4 12.6 19.0

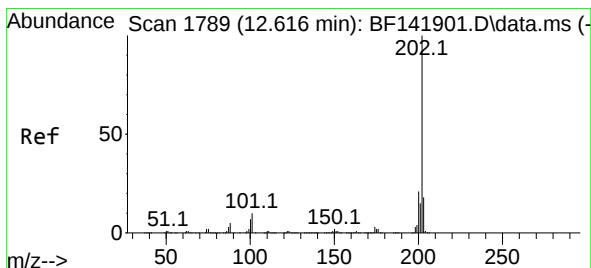
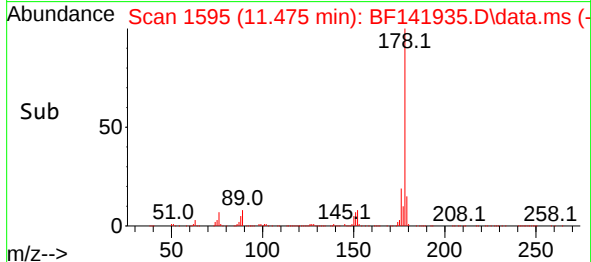
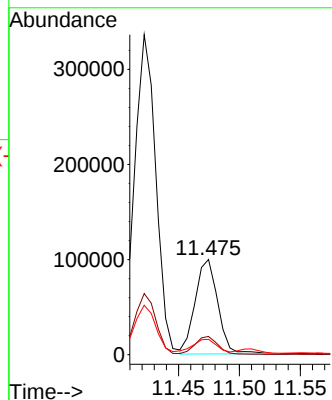
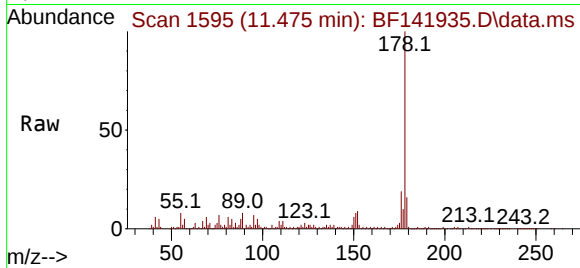




#72
 Anthracene
 Concen: 5.044 ng
 RT: 11.475 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF141935.D
 Acq: 12 Mar 2025 12:16

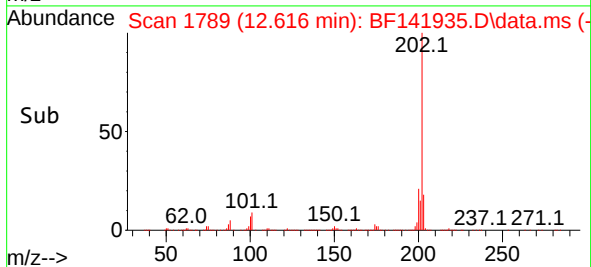
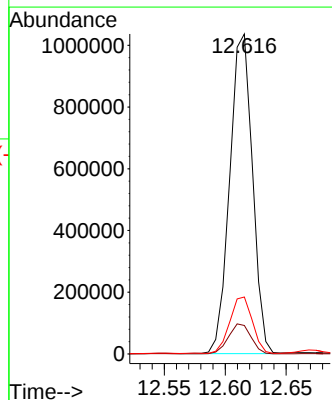
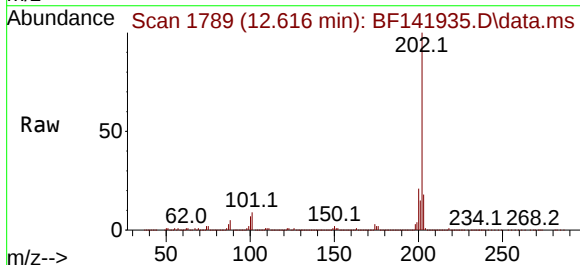
Instrument :
 BNA_F
 ClientSampleId :
 50-MIDDLESEX-AVEDL

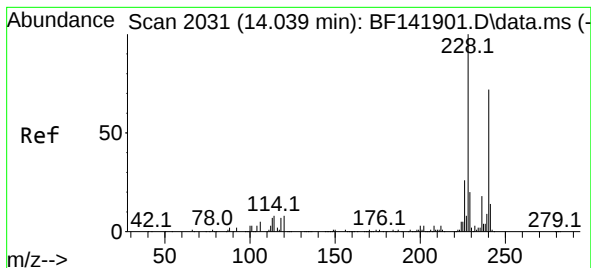
Tgt Ion:178 Resp: 128746
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.1 22.7
 179 16.1 12.6 19.0



#75
 Fluoranthene
 Concen: 49.960 ng
 RT: 12.616 min Scan# 1789
 Delta R.T. 0.000 min
 Lab File: BF141935.D
 Acq: 12 Mar 2025 12:16

Tgt Ion:202 Resp: 1348310
 Ion Ratio Lower Upper
 202 100
 101 8.9 0.0 29.7
 203 17.8 0.0 37.8

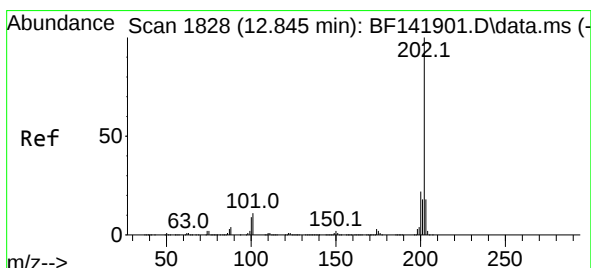
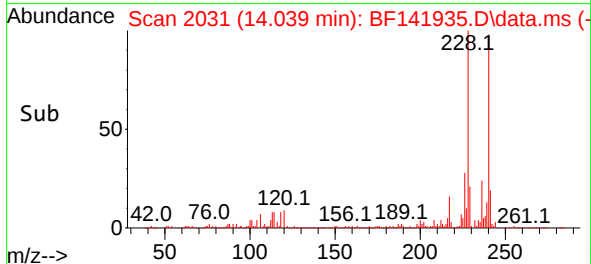
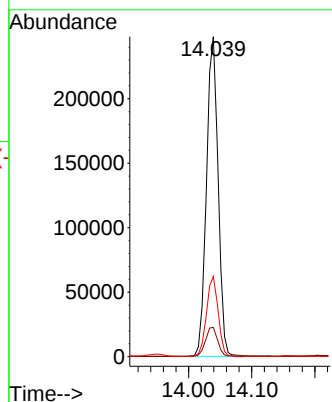
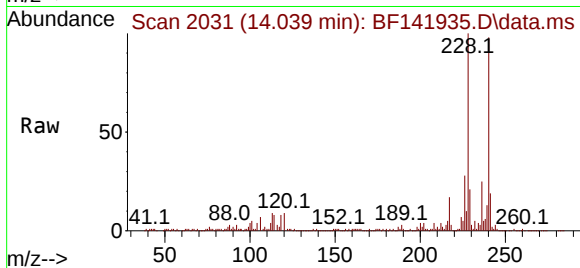




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF141935.D
Acq: 12 Mar 2025 12:16

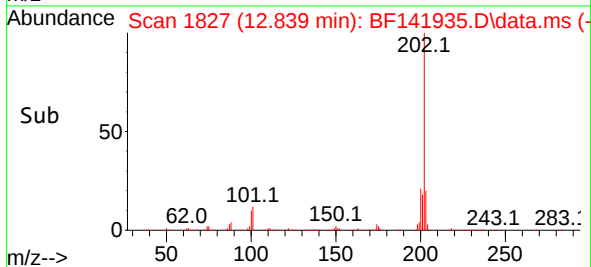
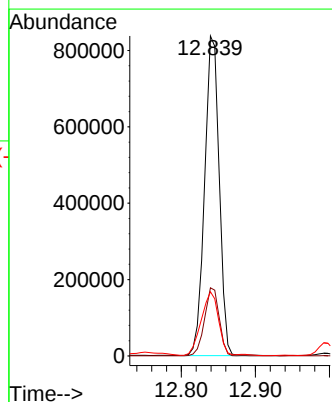
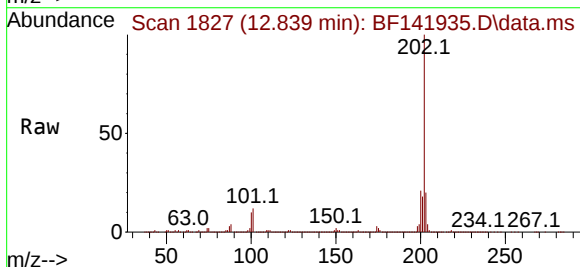
Instrument :
BNA_F
ClientSampleId :
50-MIDDLESEX-AVEDL

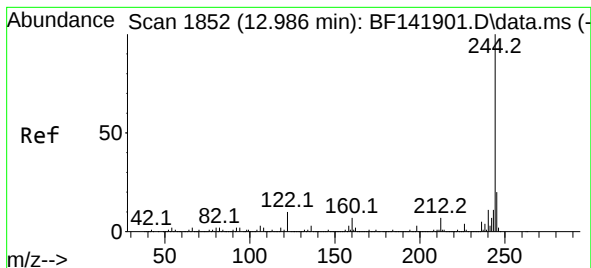
Tgt Ion:240 Resp: 316987
Ion Ratio Lower Upper
240 100
120 9.2 8.4 12.6
236 25.1 20.5 30.7



#78
Pyrene
Concen: 41.746 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF141935.D
Acq: 12 Mar 2025 12:16

Tgt Ion:202 Resp: 1144655
Ion Ratio Lower Upper
202 100
200 21.3 17.3 25.9
203 20.0 14.4 21.6





#79

Terphenyl-d14

Concen: 10.107 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF141935.D

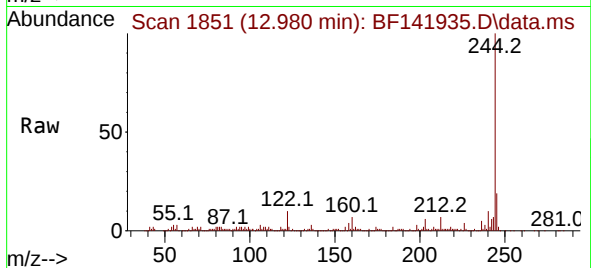
Acq: 12 Mar 2025 12:16

Instrument :

BNA_F

ClientSampleId :

50-MIDDLESEX-AVEDL



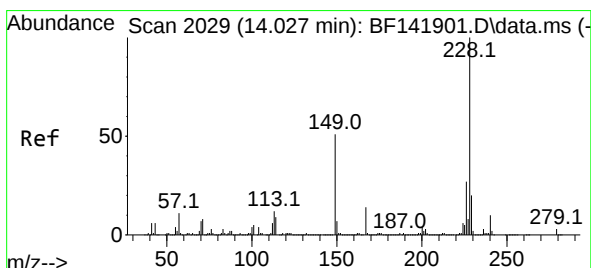
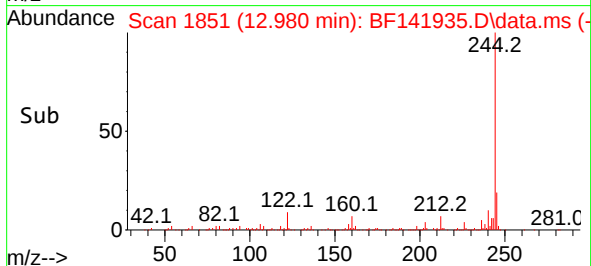
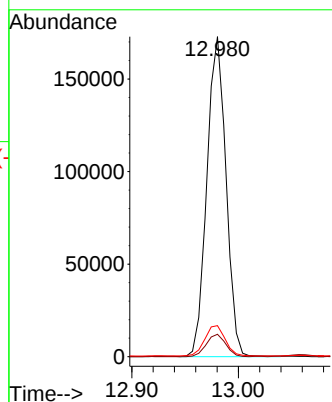
Tgt Ion:244 Resp: 216691

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

122 9.7 7.7 11.5



#81

Benzo(a)anthracene

Concen: 35.755 ng

RT: 14.027 min Scan# 2029

Delta R.T. 0.000 min

Lab File: BF141935.D

Acq: 12 Mar 2025 12:16

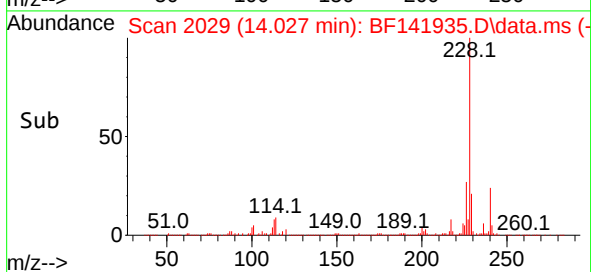
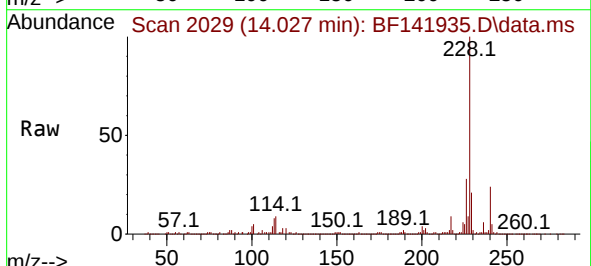
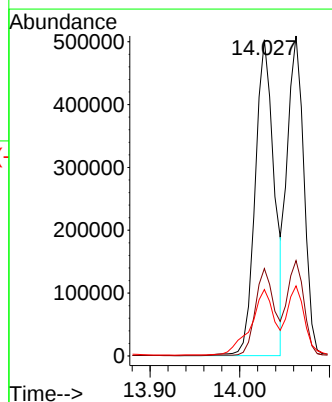
Tgt Ion:228 Resp: 743730

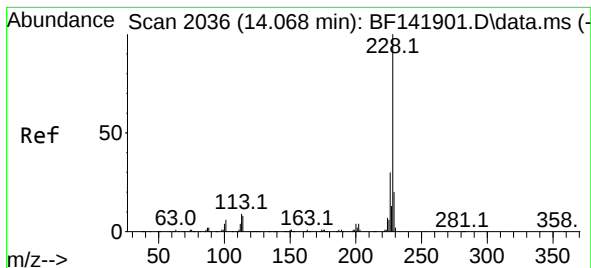
Ion Ratio Lower Upper

228 100

226 27.6 21.8 32.8

229 21.0 16.0 24.0





#83

Chrysene

Concen: 34.633 ng

RT: 14.063 min Scan# 2036

Delta R.T. -0.006 min

Lab File: BF141935.D

Acq: 12 Mar 2025 12:16

Instrument :

BNA_F

ClientSampleId :

50-MIDDLESEX-AVEDL

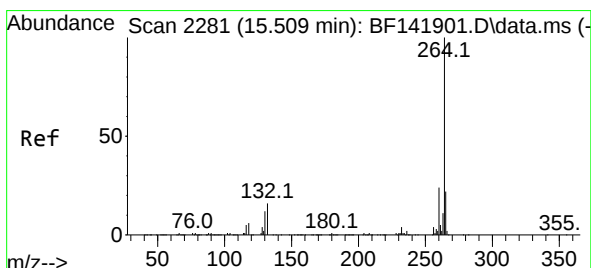
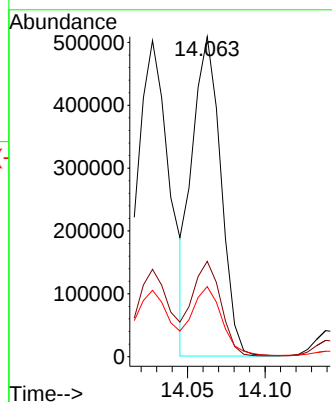
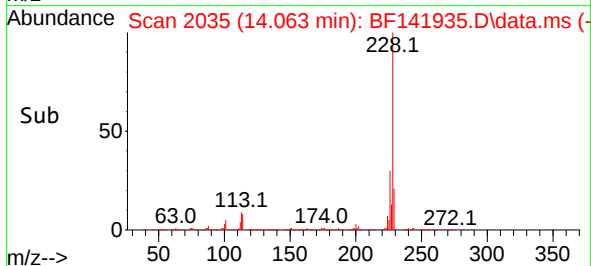
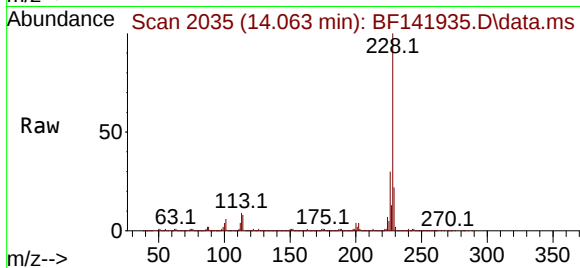
Tgt Ion:228 Resp: 653012

Ion Ratio Lower Upper

228 100

226 29.8 24.1 36.1

229 21.9 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.510 min Scan# 2281

Delta R.T. 0.000 min

Lab File: BF141935.D

Acq: 12 Mar 2025 12:16

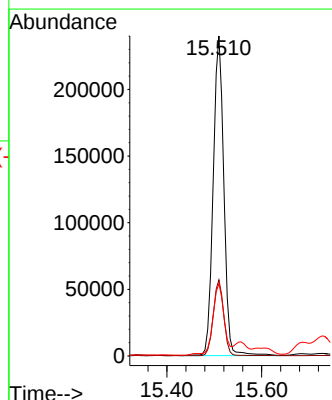
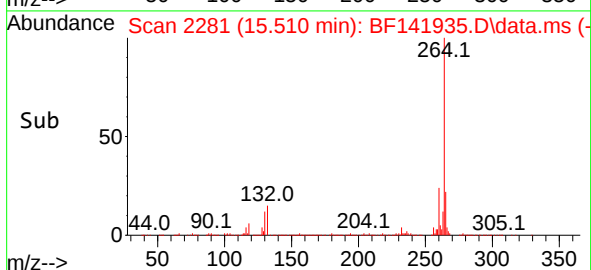
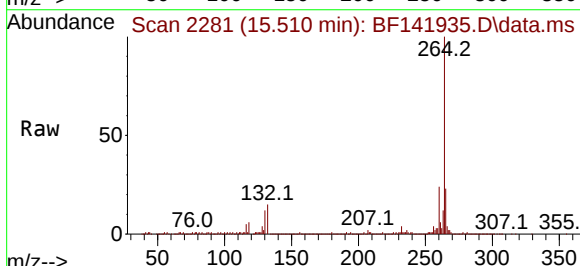
Tgt Ion:264 Resp: 374861

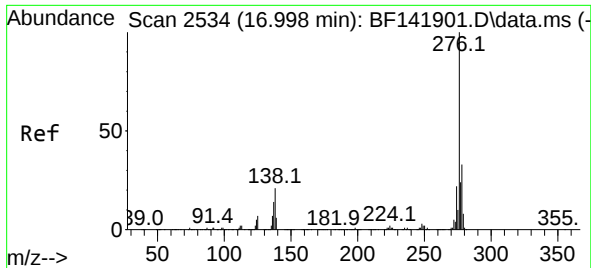
Ion Ratio Lower Upper

264 100

260 23.8 19.1 28.7

265 22.6 17.5 26.3

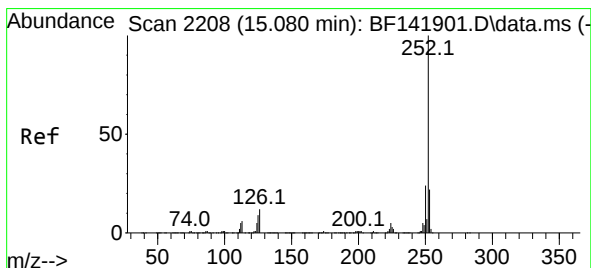
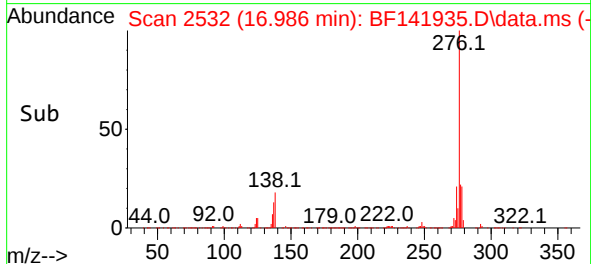
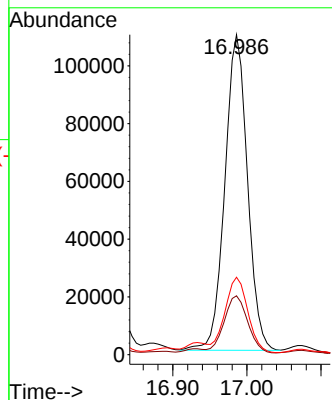
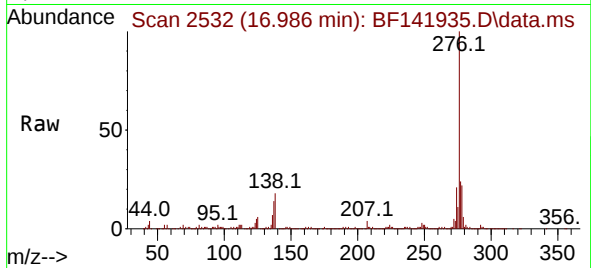




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 9.547 ng
 RT: 16.986 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF141935.D
 Acq: 12 Mar 2025 12:16

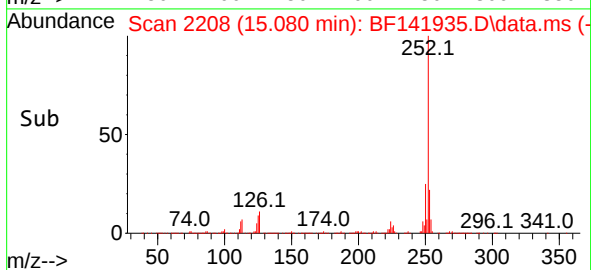
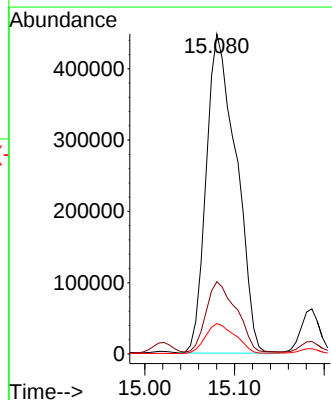
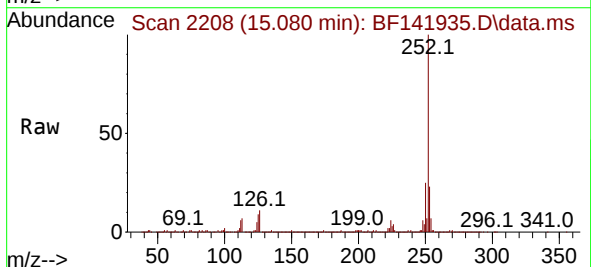
Instrument :
 BNA_F
 ClientSampleId :
 50-MIDDLESEX-AVEDL

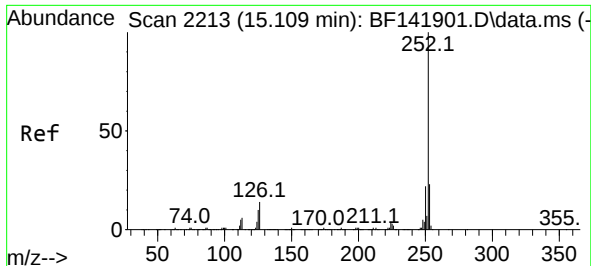
Tgt Ion:276 Resp: 231508
 Ion Ratio Lower Upper
 276 100
 138 19.0 18.4 27.6
 277 24.0 20.3 30.5



#88
 Benzo(b)fluoranthene
 Concen: 40.509 ng
 RT: 15.080 min Scan# 2208
 Delta R.T. 0.000 min
 Lab File: BF141935.D
 Acq: 12 Mar 2025 12:16

Tgt Ion:252 Resp: 1040728
 Ion Ratio Lower Upper
 252 100
 253 22.6 17.5 26.3
 125 9.5 7.0 10.4

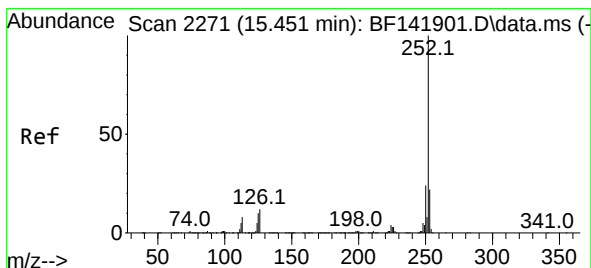
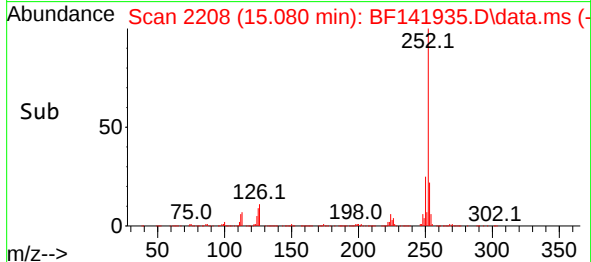
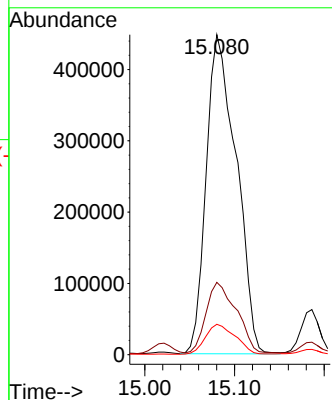
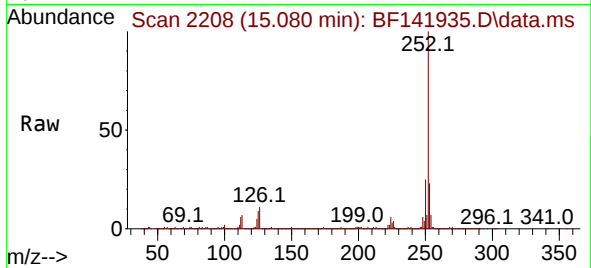




#89
Benzo(k)fluoranthene
Concen: 47.336 ng
RT: 15.080 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF141935.D
Acq: 12 Mar 2025 12:16

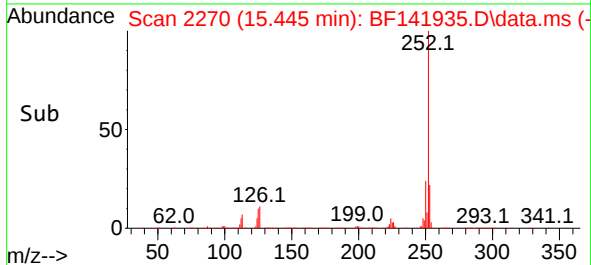
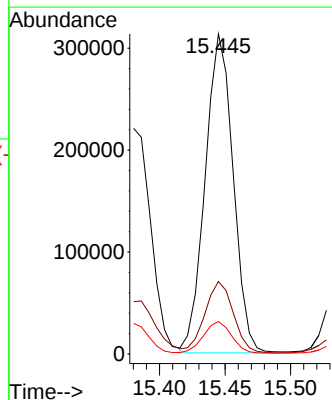
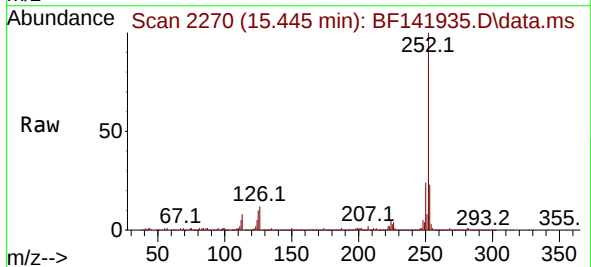
Instrument :
BNA_F
ClientSampleId :
50-MIDDLESEX-AVEDL

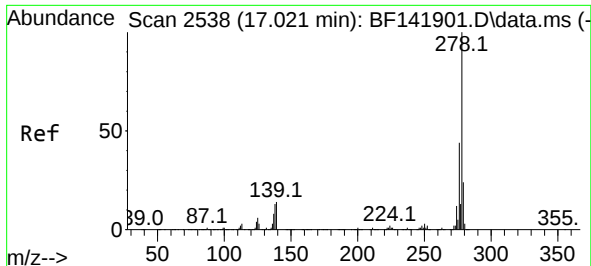
Tgt Ion:252 Resp: 1040728
Ion Ratio Lower Upper
252 100
253 22.6 17.7 26.5
125 9.5 7.2 10.8



#90
Benzo(a)pyrene
Concen: 23.142 ng
RT: 15.445 min Scan# 2270
Delta R.T. -0.006 min
Lab File: BF141935.D
Acq: 12 Mar 2025 12:16

Tgt Ion:252 Resp: 465216
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.0
125 10.1 7.8 11.8

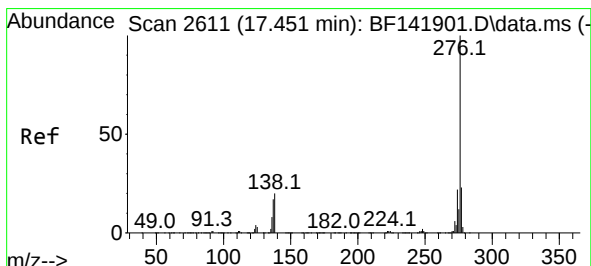
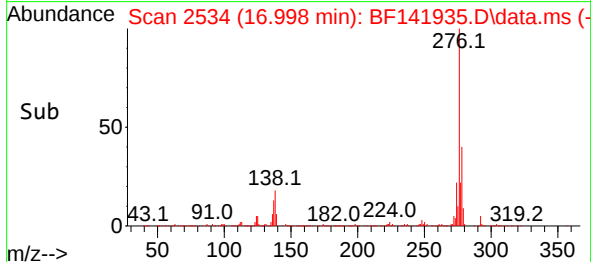
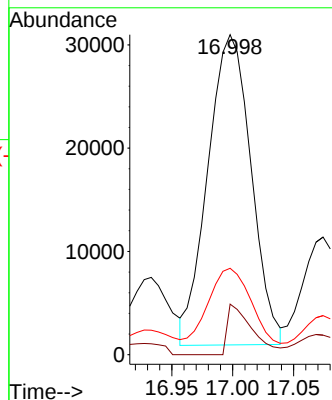
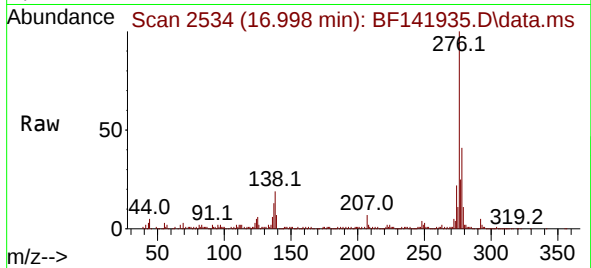




#91
Dibenzo(a,h)anthracene
Concen: 3.715 ng
RT: 16.998 min Scan# 21
Delta R.T. -0.023 min
Lab File: BF141935.D
Acq: 12 Mar 2025 12:16

Instrument :
BNA_F
ClientSampleId :
50-MIDDLESEX-AVEDL

Tgt Ion:278 Resp: 74332
Ion Ratio Lower Upper
278 100
139 15.8 11.4 17.2
279 27.0 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 9.510 ng
RT: 17.433 min Scan# 2608
Delta R.T. -0.017 min
Lab File: BF141935.D
Acq: 12 Mar 2025 12:16

Tgt Ion:276 Resp: 188033
Ion Ratio Lower Upper
276 100
277 23.6 18.7 28.1
138 18.4 15.8 23.8

