

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012425\
 Data File : BF141263.D
 Acq On : 24 Jan 2025 15:35
 Operator : RC/JU
 Sample : Q1169-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ARS20-0006

Quant Time: Jan 25 01:02:14 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 10 22:54:19 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

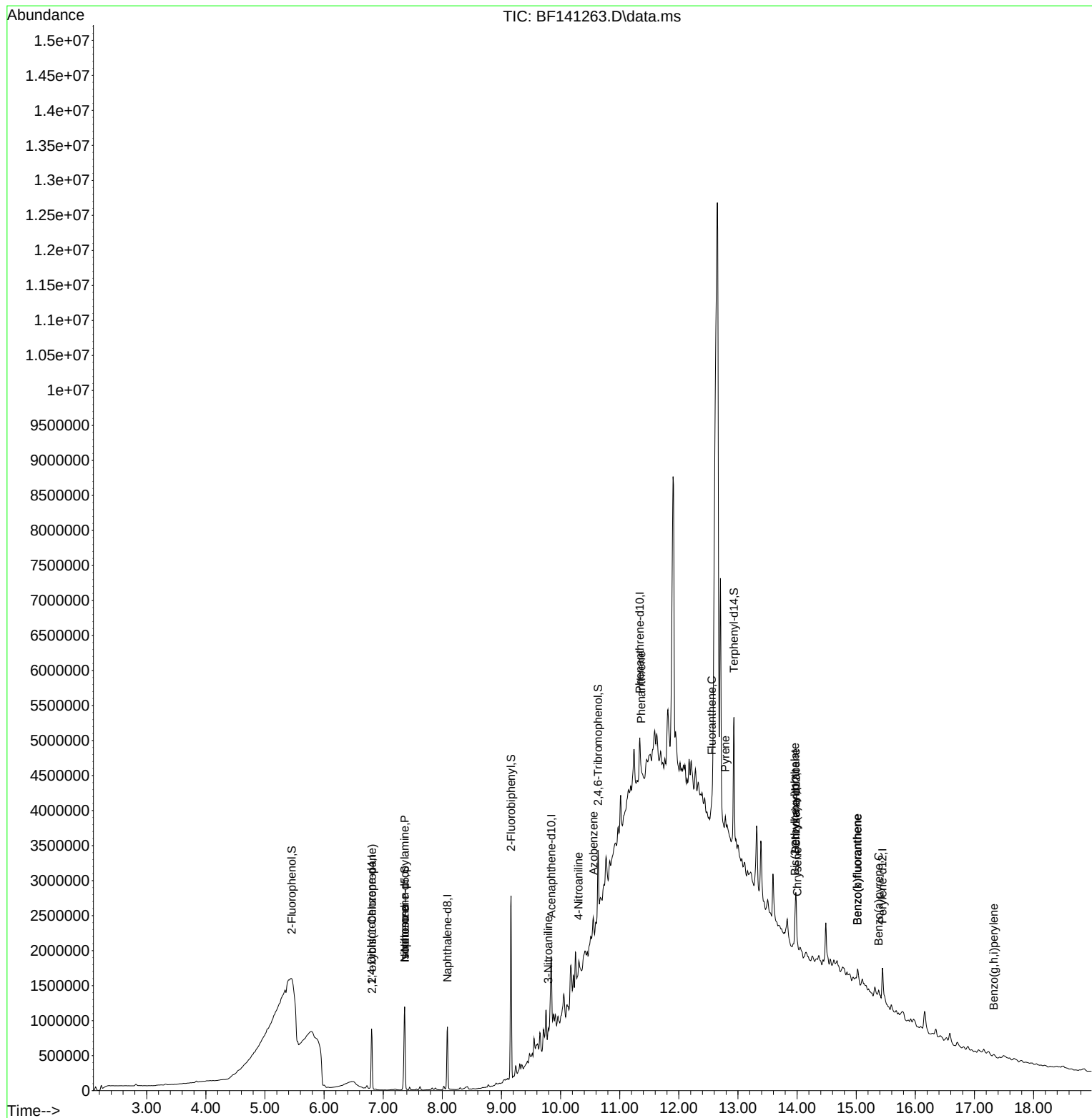
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	145475	20.000	ng	-0.02
21) Naphthalene-d8	8.087	136	584269	20.000	ng	-0.02
39) Acenaphthene-d10	9.845	164	281409	20.000	ng	-0.02
64) Phenanthrene-d10	11.339	188	364452	20.000	ng	# 0.00
76) Chrysene-d12	13.980	240	343494	20.000	ng	0.00
86) Perylene-d12	15.445	264	308493	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	451339	47.928	ng	0.02
7) Phenol-d6	0.000	99	0	0.000	ng	
23) Nitrobenzene-d5	7.363	82	633297	57.457	ng	-0.02
42) 2,4,6-Tribromophenol	10.633	330	253171	78.956	ng	-0.02
45) 2-Fluorobiphenyl	9.163	172	1182754	64.181	ng	-0.02
79) Terphenyl-d14	12.933	244	1035109	44.789	ng	0.00
Target Compounds						
						Qvalue
16) 2,2'-oxybis(1-Chloropr...	6.810	45	146769	11.052	ng	76
19) n-Nitroso-di-n-propyla...	7.363	70	85041	12.102	ng	# 75
25) Isophorone	7.363	82	615416	32.672	ng	# 65
53) 3-Nitroaniline	9.792	138	9187	2.058	ng	# 38
62) 4-Nitroaniline	10.304	138	16254	3.720	ng	87
63) Azobenzene	10.557	77	71222	3.914	ng	# 3
71) Phenanthrene	11.363	178	47350	2.420	ng	# 29
75) Fluoranthene	12.557	202	107912	5.527	ng	84
78) Pyrene	12.786	202	137039	4.177	ng	# 88
81) Benzo(a)anthracene	13.974	228	75726	3.239	ng	# 88
83) Chrysene	14.004	228	78444	3.586	ng	# 90
84) Bis(2-ethylhexyl)phtha...	13.963	149	116075	8.844	ng	# 96
88) Benzo(b)fluoranthene	15.021	252	132114	6.641	ng	# 66
89) Benzo(k)fluoranthene	15.021	252	132114	7.859	ng	# 67
90) Benzo(a)pyrene	15.380	252	65624	3.998	ng	# 62
92) Benzo(g,h,i)perylene	17.327	276	39098	2.056	ng	# 92

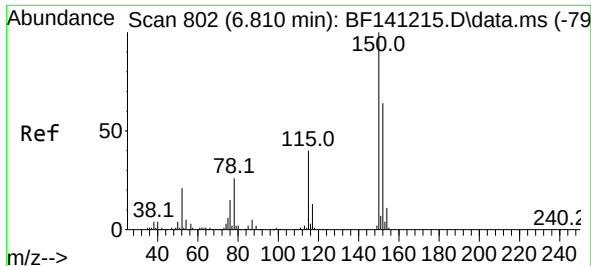
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012425\
Data File : BF141263.D
Acq On : 24 Jan 2025 15:35
Operator : RC/JU
Sample : Q1169-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ARS20-0006

Quant Time: Jan 25 01:02:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

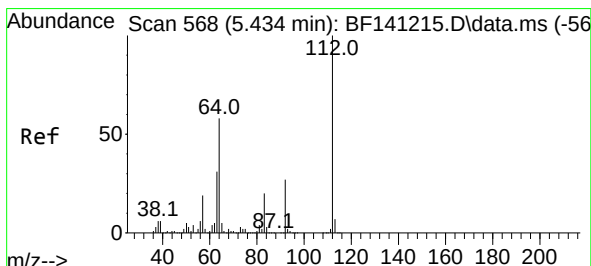
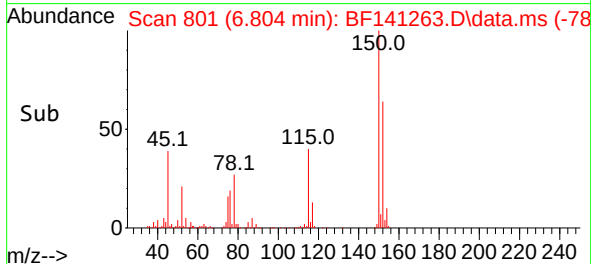
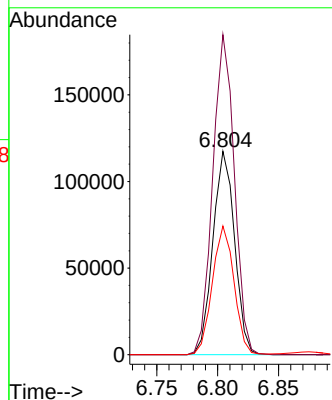
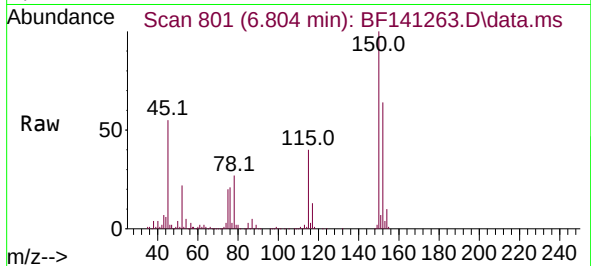




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 802
Delta R.T. -0.018 min
Lab File: BF141263.D
Acq: 24 Jan 2025 15:35

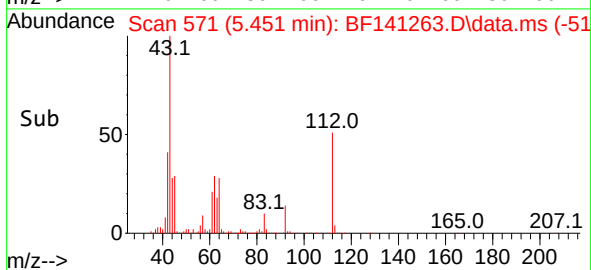
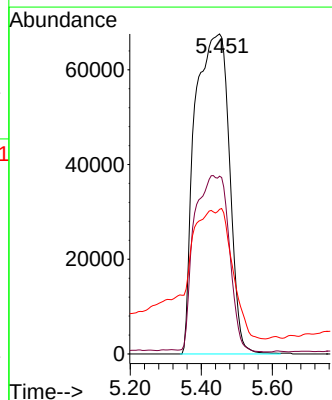
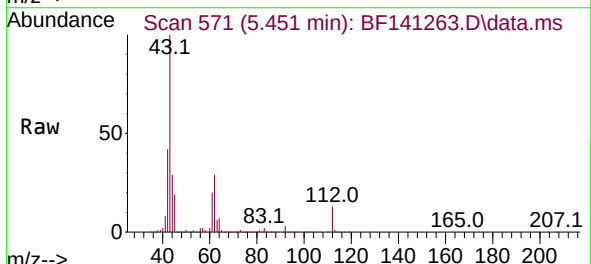
Instrument :
BNA_F
ClientSampleId :
ARS20-0006

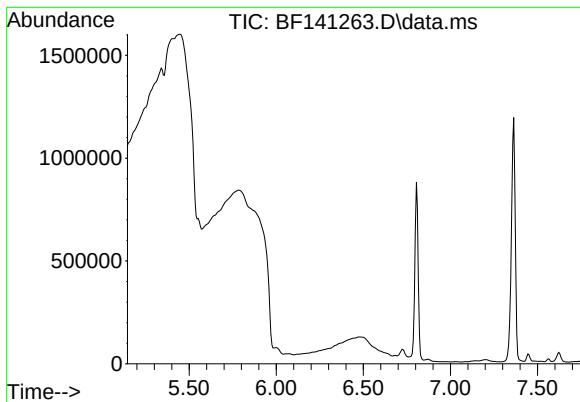
Tgt Ion:152 Resp: 145475
Ion Ratio Lower Upper
152 100
150 157.4 125.8 188.8
115 63.3 51.4 77.2



#5
2-Fluorophenol
Concen: 47.928 ng
RT: 5.451 min Scan# 571
Delta R.T. 0.024 min
Lab File: BF141263.D
Acq: 24 Jan 2025 15:35

Tgt Ion:112 Resp: 451339
Ion Ratio Lower Upper
112 100
64 55.5 47.3 70.9
63 45.2 24.2 36.2#



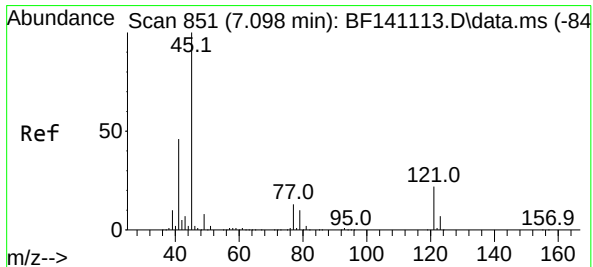
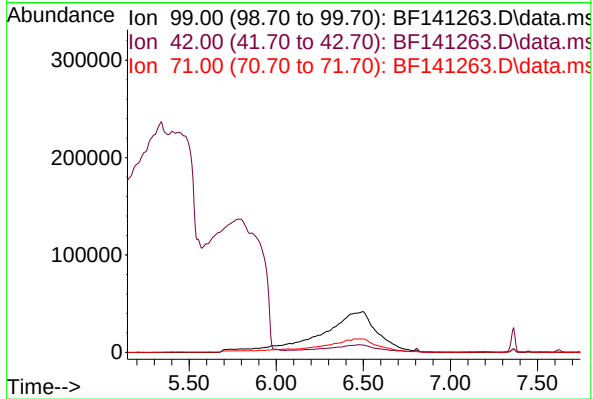


#7
 Phenol-d6
 Concen: 0.000 ng
 Expected RT: 6.45 min
 Lab File: BF141263.D
 Acq: 24 Jan 2025 15:35

Instrument :
 BNA_F
 ClientSampleId :
 ARS20-0006

Tgt Ion: 99

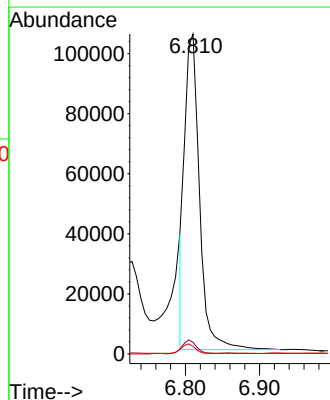
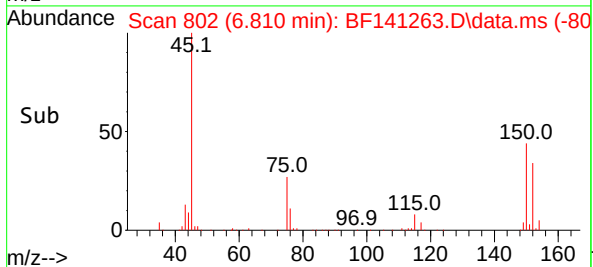
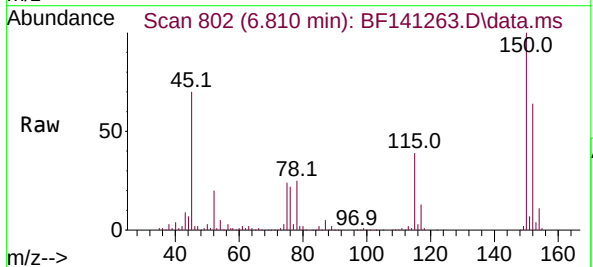
Sig	Exp Ratio
99	100
42	18.7
71	34.5

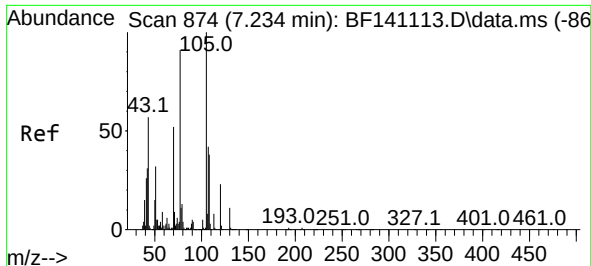


#16
 2,2'-oxybis(1-Chloropropane)
 Concen: 11.052 ng
 RT: 6.810 min Scan# 802
 Delta R.T. -0.288 min
 Lab File: BF141263.D
 Acq: 24 Jan 2025 15:35

Tgt Ion: 45 Resp: 146769

Ion	Ratio	Lower	Upper
45	100		
77	3.7	0.0	34.1
79	2.4	0.0	31.0

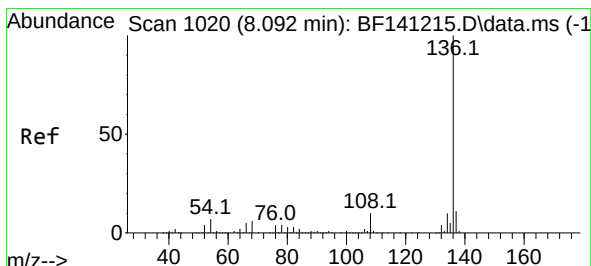
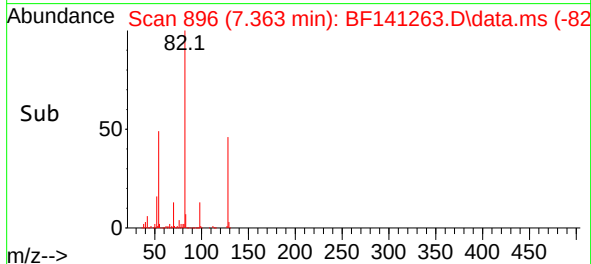
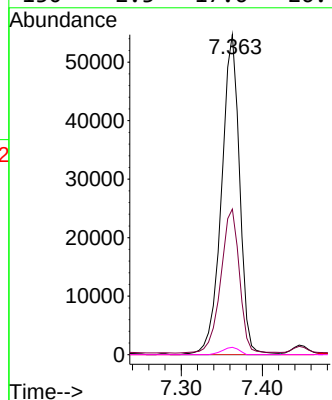
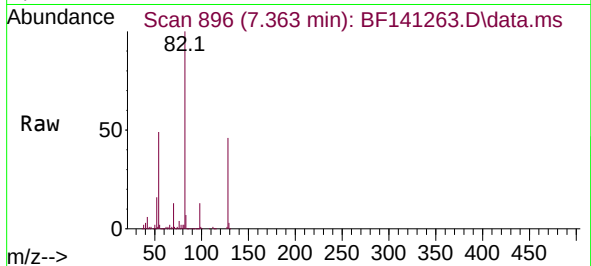




#19
n-Nitroso-di-n-propylamine
Concen: 12.102 ng
RT: 7.363 min Scan# 896
Delta R.T. 0.129 min
Lab File: BF141263.D
Acq: 24 Jan 2025 15:35

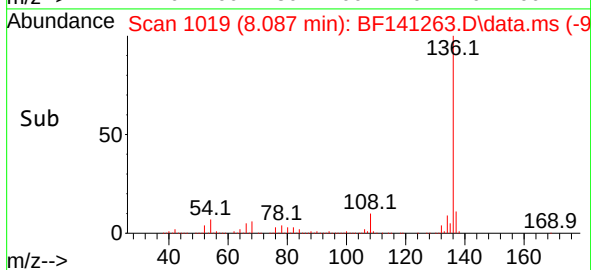
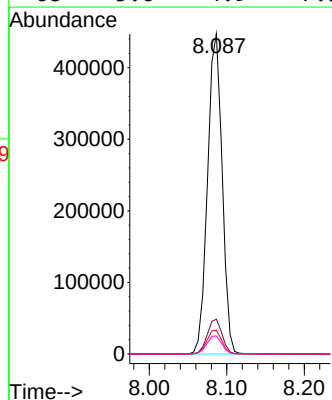
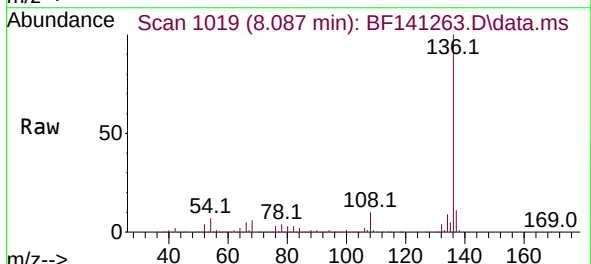
Instrument :
BNA_F
ClientSampleId :
ARS20-0006

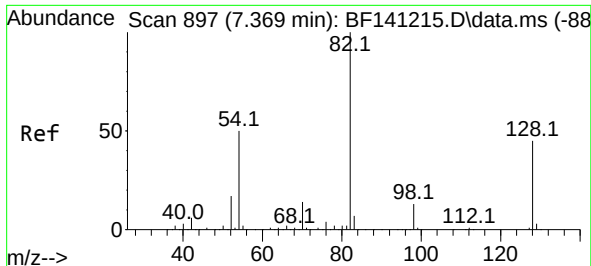
Tgt Ion: 70 Resp: 85041
Ion Ratio Lower Upper
70 100
42 45.5 47.8 71.6#
101 0.0 7.9 11.9#
130 2.3 17.6 26.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.087 min Scan# 1019
Delta R.T. -0.018 min
Lab File: BF141263.D
Acq: 24 Jan 2025 15:35

Tgt Ion:136 Resp: 584269
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 7.5 6.3 9.5
68 5.6 4.9 7.3

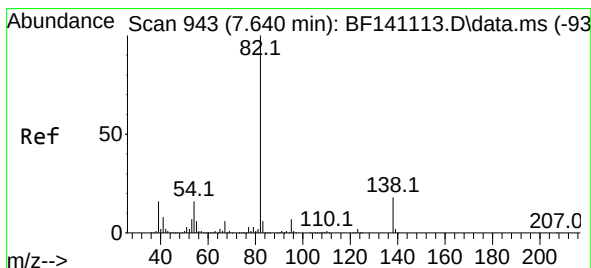
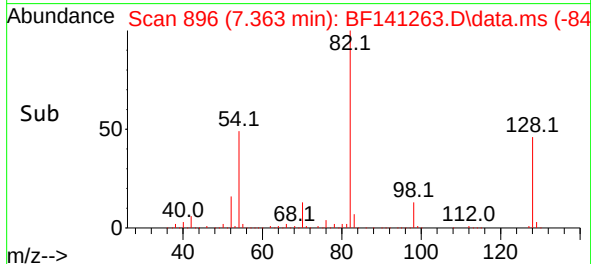
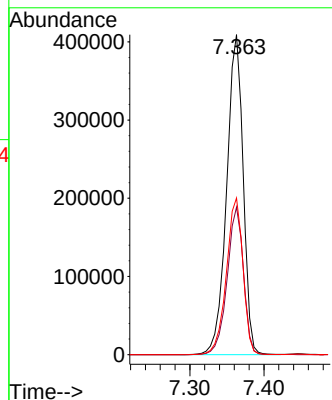
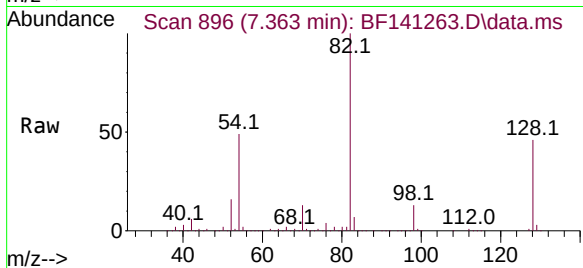




#23
Nitrobenzene-d5
Concen: 57.457 ng
RT: 7.363 min Scan# 896
Delta R.T. -0.024 min
Lab File: BF141263.D
Acq: 24 Jan 2025 15:35

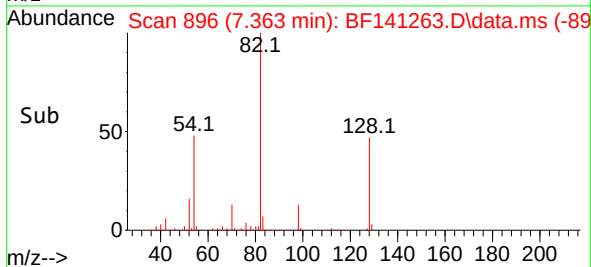
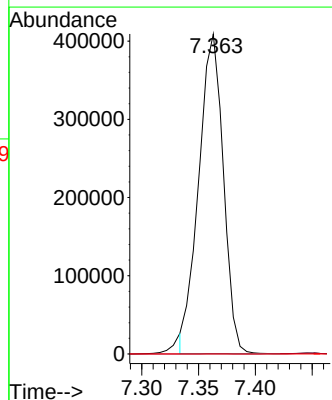
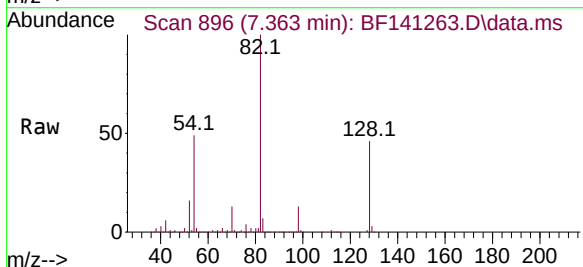
Instrument :
BNA_F
ClientSampleId :
ARS20-0006

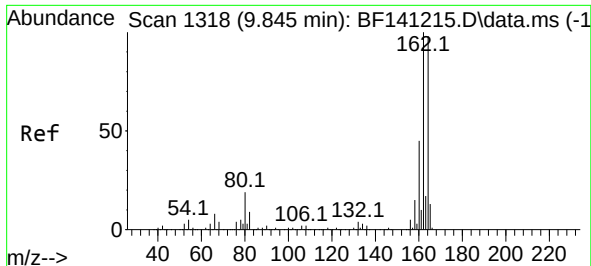
Tgt Ion: 82 Resp: 633297
Ion Ratio Lower Upper
82 100
128 46.1 36.1 54.1
54 48.9 41.0 61.4



#25
Isophorone
Concen: 32.672 ng
RT: 7.363 min Scan# 896
Delta R.T. -0.276 min
Lab File: BF141263.D
Acq: 24 Jan 2025 15:35

Tgt Ion: 82 Resp: 615416
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.2 21.2#

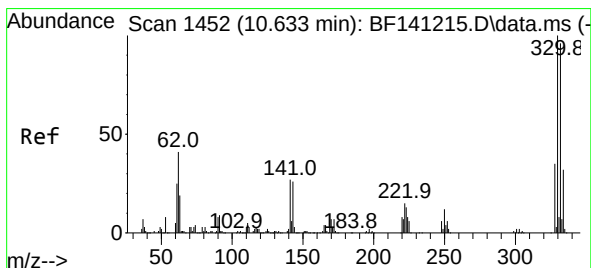
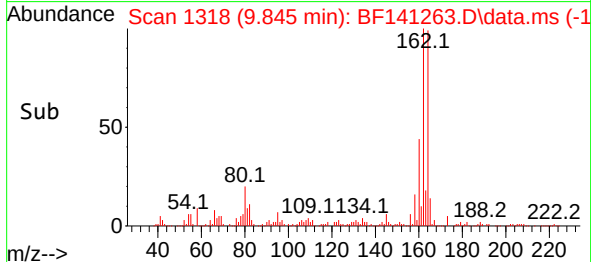
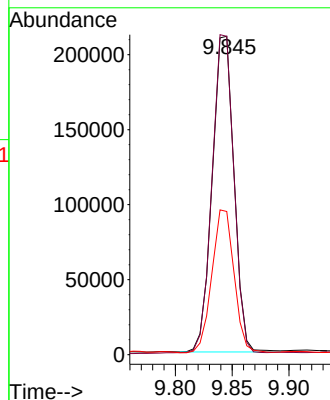
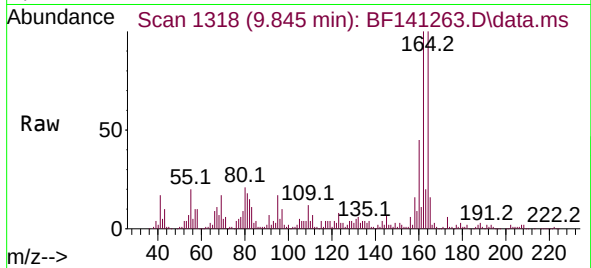




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.845 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141263.D
Acq: 24 Jan 2025 15:35

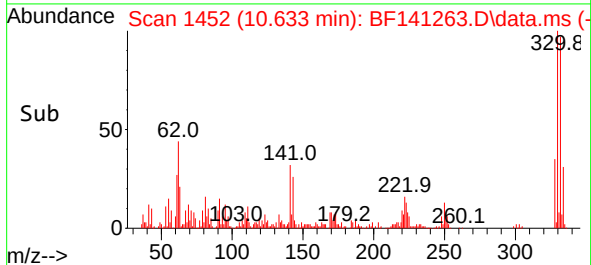
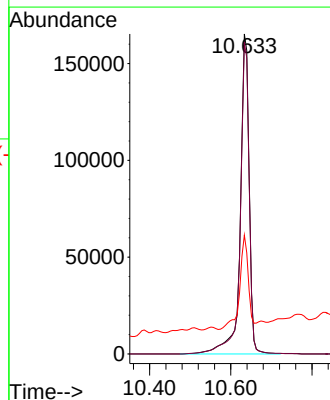
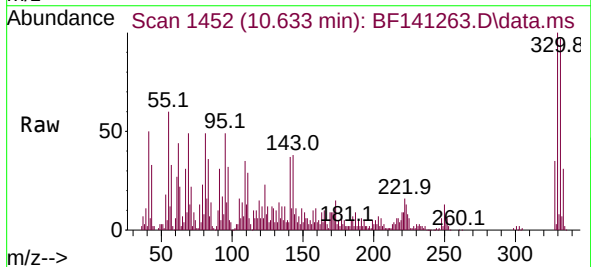
Instrument :
BNA_F
ClientSampleId :
ARS20-0006

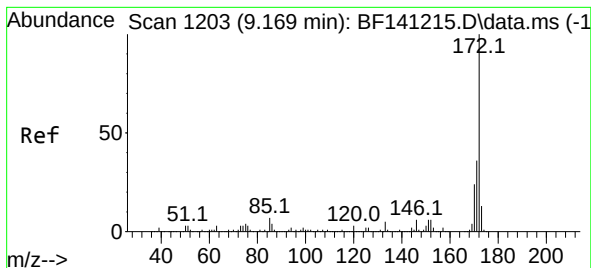
Tgt Ion:164 Resp: 281409
Ion Ratio Lower Upper
164 100
162 100.0 81.0 121.4
160 45.0 36.1 54.1



#42
2,4,6-Tribromophenol
Concen: 78.956 ng
RT: 10.633 min Scan# 1452
Delta R.T. -0.018 min
Lab File: BF141263.D
Acq: 24 Jan 2025 15:35

Tgt Ion:330 Resp: 253171
Ion Ratio Lower Upper
330 100
332 97.7 76.9 115.3
141 28.9 25.2 37.8





#45

2-Fluorobiphenyl

Concen: 64.181 ng

RT: 9.163 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF141263.D

Acq: 24 Jan 2025 15:35

Instrument :

BNA_F

ClientSampleId :

ARS20-0006

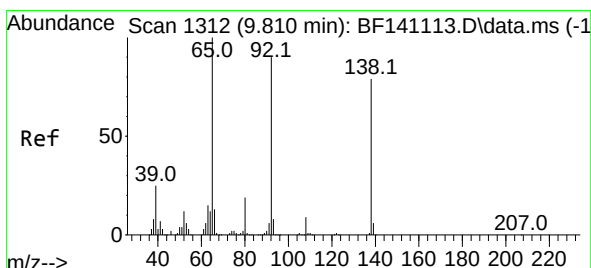
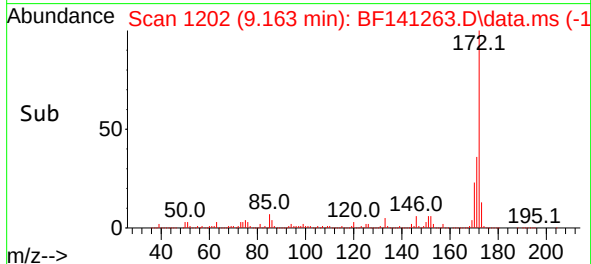
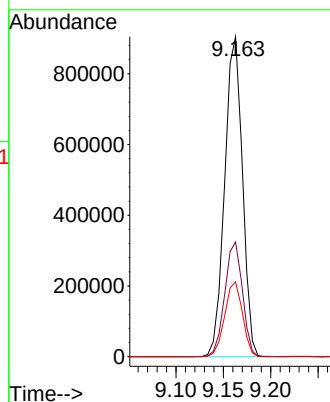
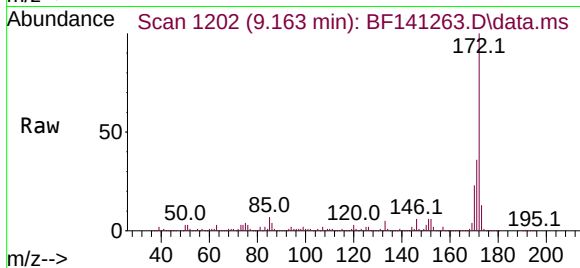
Tgt Ion:172 Resp: 1182754

Ion Ratio Lower Upper

172 100

171 35.9 28.7 43.1

170 23.4 19.0 28.6



#53

3-Nitroaniline

Concen: 2.058 ng

RT: 9.792 min Scan# 1309

Delta R.T. -0.018 min

Lab File: BF141263.D

Acq: 24 Jan 2025 15:35

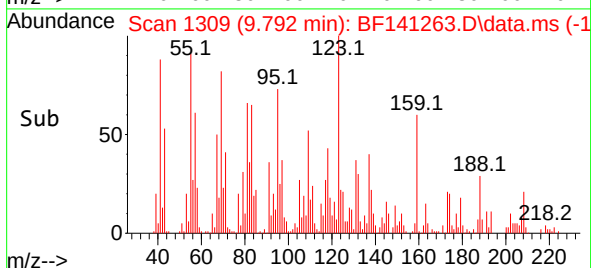
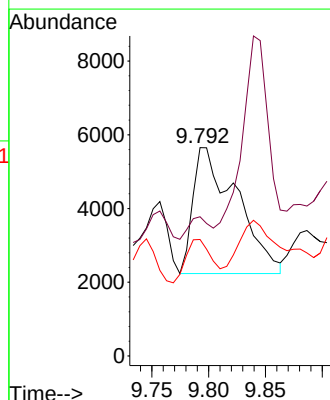
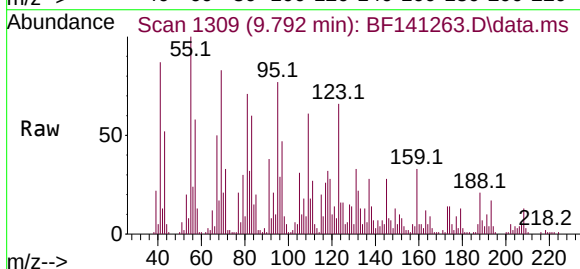
Tgt Ion:138 Resp: 9187

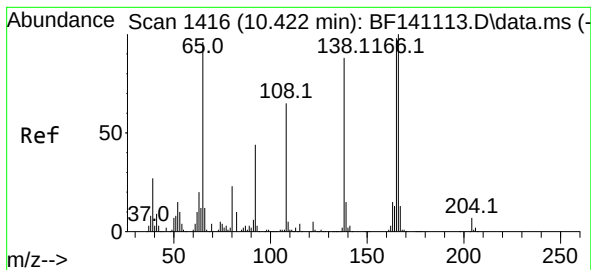
Ion Ratio Lower Upper

138 100

108 66.8 8.8 13.2#

92 55.9 91.3 136.9#

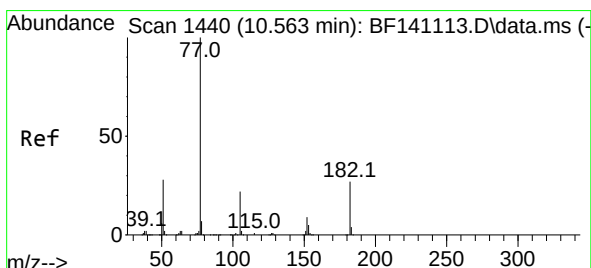
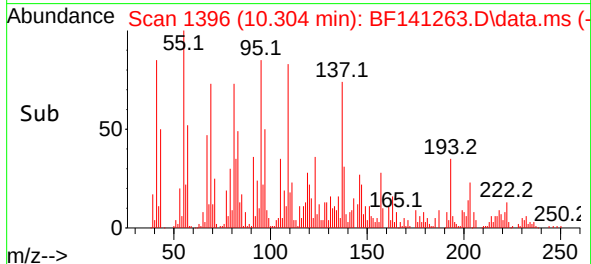
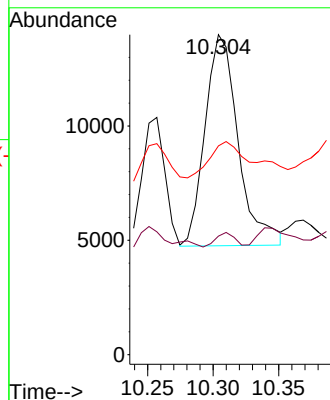
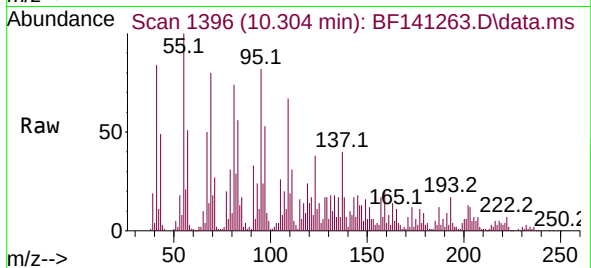




#62
4-Nitroaniline
Concen: 3.720 ng
RT: 10.304 min Scan# 1439
Delta R.T. -0.118 min
Lab File: BF141263.D
Acq: 24 Jan 2025 15:35

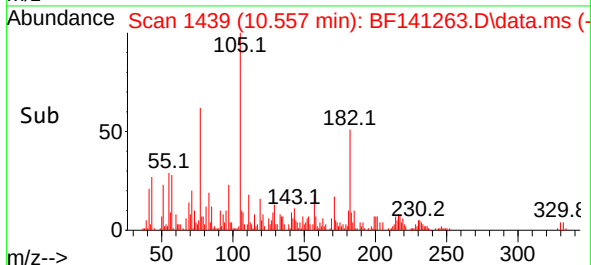
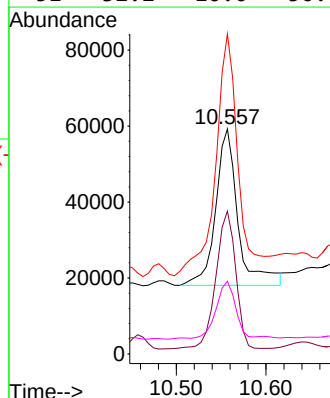
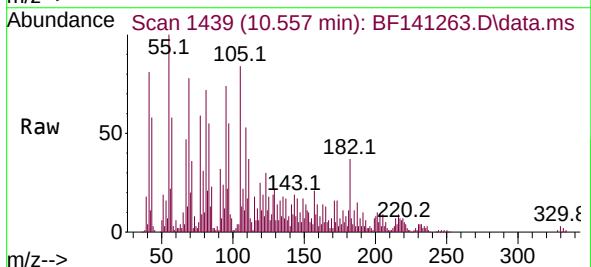
Instrument :
BNA_F
ClientSampleId :
ARS20-0006

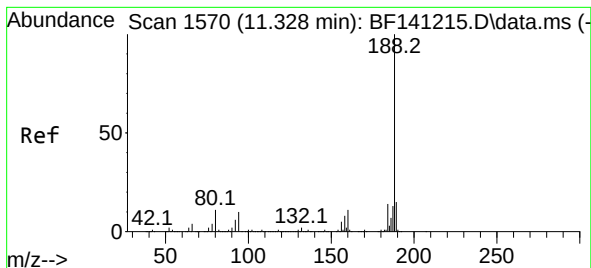
Tgt Ion:138 Resp: 16254
Ion Ratio Lower Upper
138 100
92 37.0 29.4 69.4
108 65.3 53.7 93.7



#63
Azobenzene
Concen: 3.914 ng
RT: 10.557 min Scan# 1439
Delta R.T. -0.006 min
Lab File: BF141263.D
Acq: 24 Jan 2025 15:35

Tgt Ion: 77 Resp: 71222
Ion Ratio Lower Upper
77 100
182 63.5 6.1 46.1#
105 142.2 2.1 42.1#
51 32.2 10.0 50.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.339 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141263.D

Acq: 24 Jan 2025 15:35

Instrument :

BNA_F

ClientSampleId :

ARS20-0006

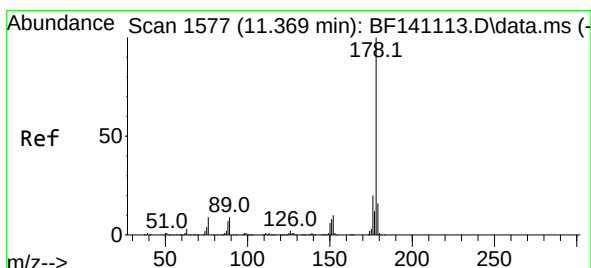
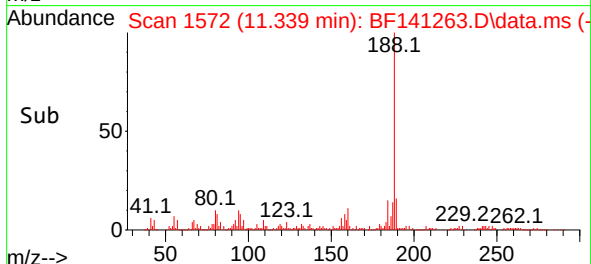
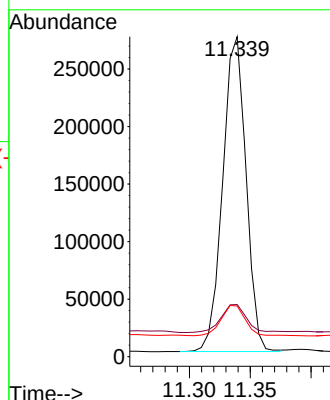
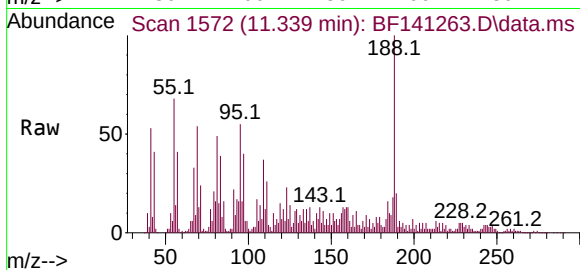
Tgt Ion:188 Resp: 364452

Ion Ratio Lower Upper

188 100

94 16.3 8.3 12.5#

80 15.8 9.0 13.4#



#71

Phenanthrene

Concen: 2.420 ng

RT: 11.363 min Scan# 1576

Delta R.T. -0.006 min

Lab File: BF141263.D

Acq: 24 Jan 2025 15:35

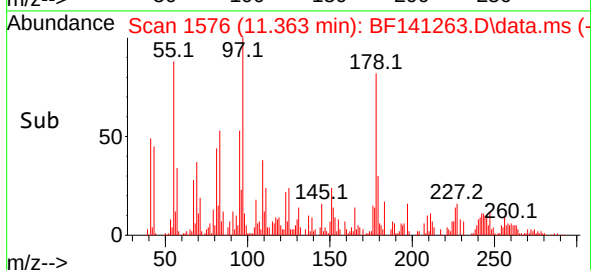
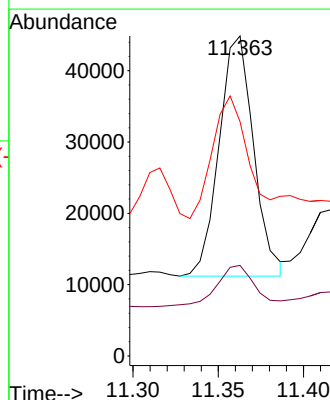
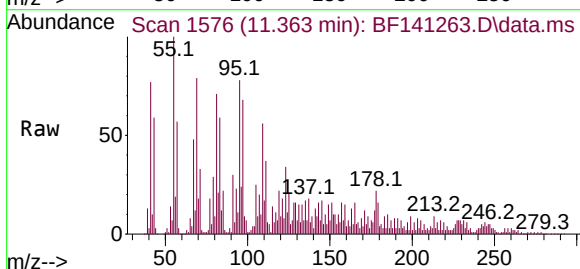
Tgt Ion:178 Resp: 47350

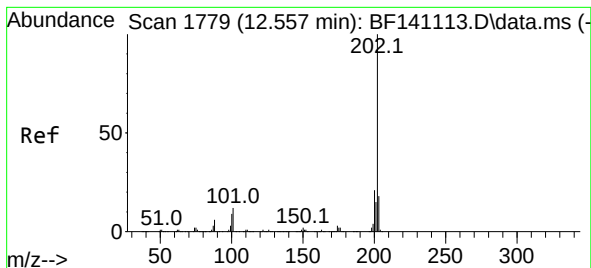
Ion Ratio Lower Upper

178 100

176 28.3 15.7 23.5#

179 73.2 12.6 19.0#





#75

Fluoranthene

Concen: 5.527 ng

RT: 12.557 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF141263.D

Acq: 24 Jan 2025 15:35

Instrument :

BNA_F

ClientSampleId :

ARS20-0006

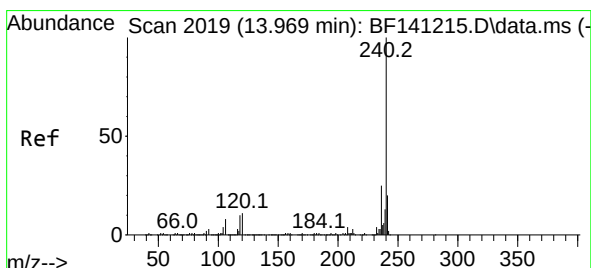
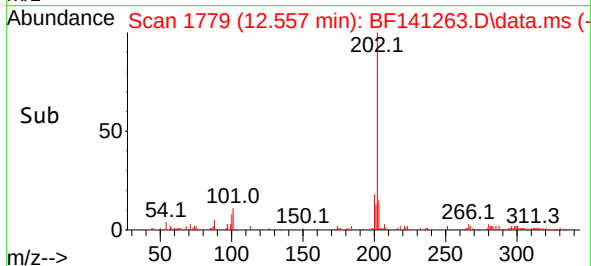
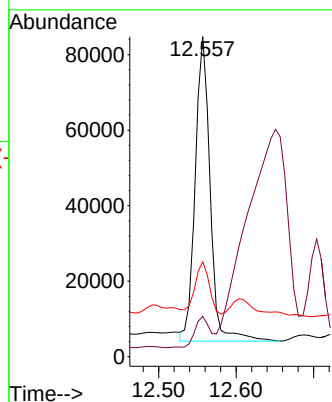
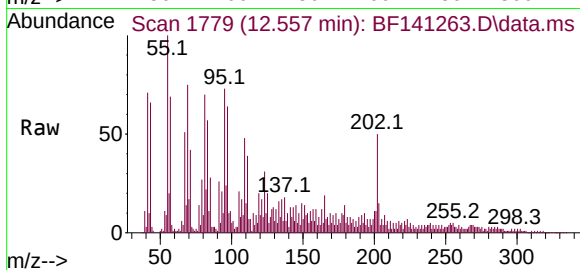
Tgt Ion:202 Resp: 107912

Ion Ratio Lower Upper

202 100

101 12.5 0.0 32.3

203 29.6 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.980 min Scan# 2021

Delta R.T. -0.006 min

Lab File: BF141263.D

Acq: 24 Jan 2025 15:35

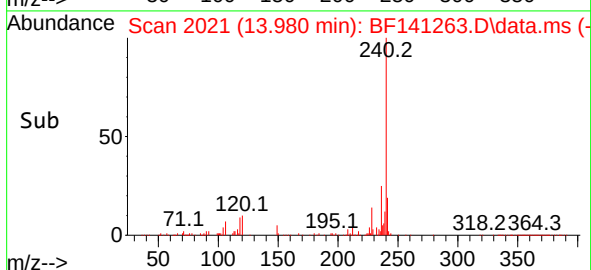
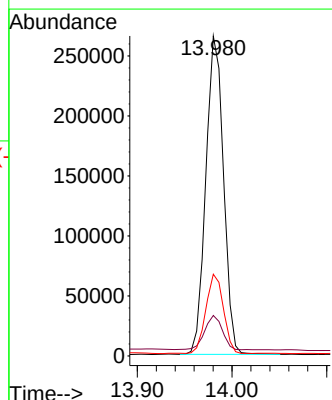
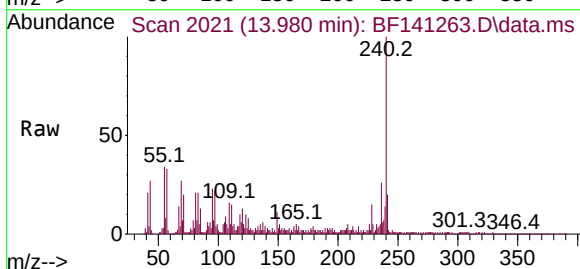
Tgt Ion:240 Resp: 343494

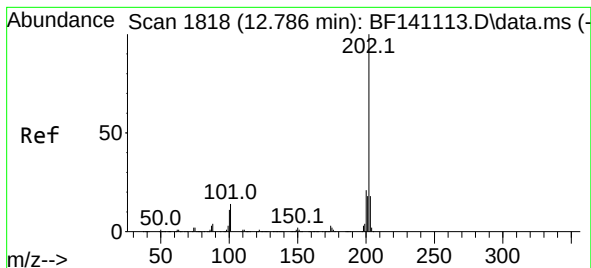
Ion Ratio Lower Upper

240 100

120 12.7 9.1 13.7

236 25.6 19.8 29.6





#78

Pyrene

Concen: 4.177 ng

RT: 12.786 min Scan# 1818

Delta R.T. 0.000 min

Lab File: BF141263.D

Acq: 24 Jan 2025 15:35

Instrument :

BNA_F

ClientSampleId :

ARS20-0006

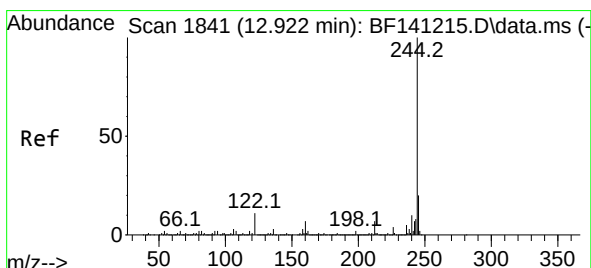
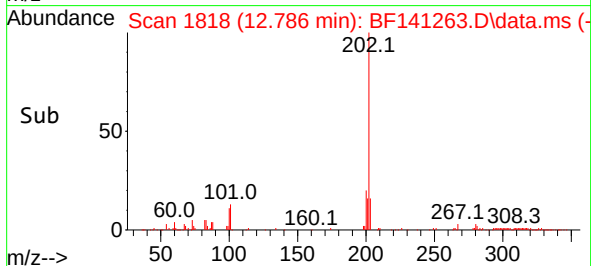
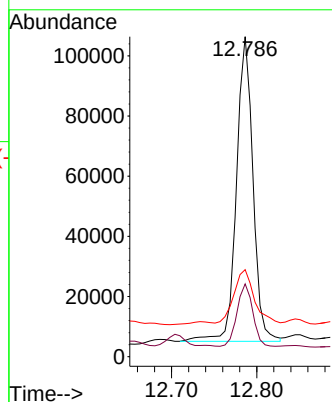
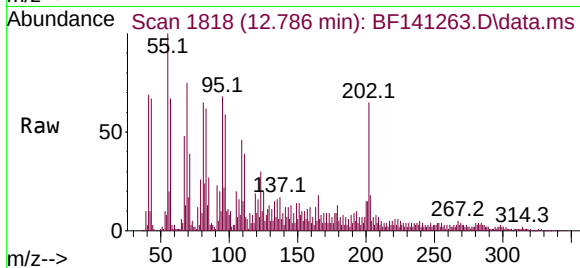
Tgt Ion:202 Resp: 137039

Ion Ratio Lower Upper

202 100

200 22.8 16.8 25.2

203 27.2 14.3 21.5#



#79

Terphenyl-d14

Concen: 44.789 ng

RT: 12.933 min Scan# 1843

Delta R.T. 0.000 min

Lab File: BF141263.D

Acq: 24 Jan 2025 15:35

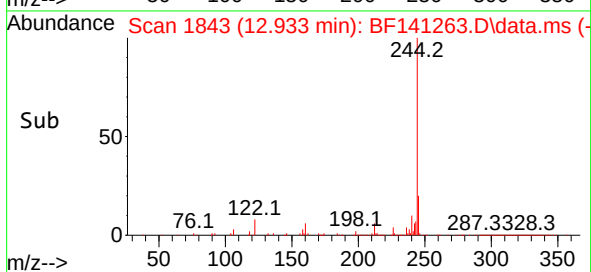
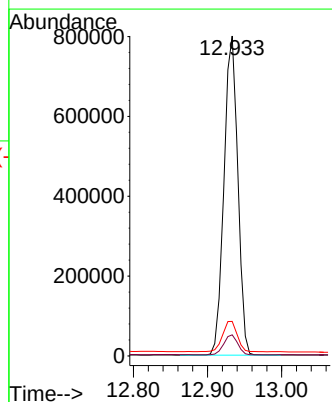
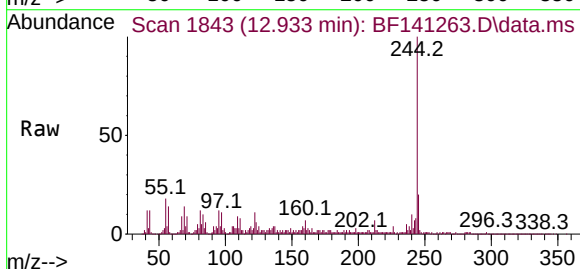
Tgt Ion:244 Resp: 1035109

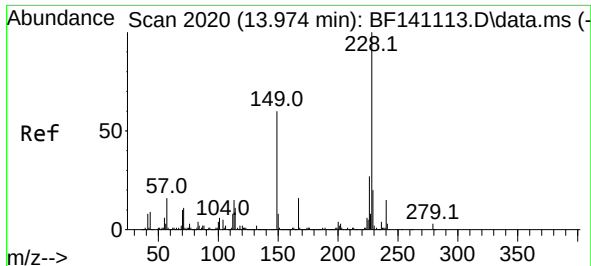
Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.2

122 10.8 8.8 13.2

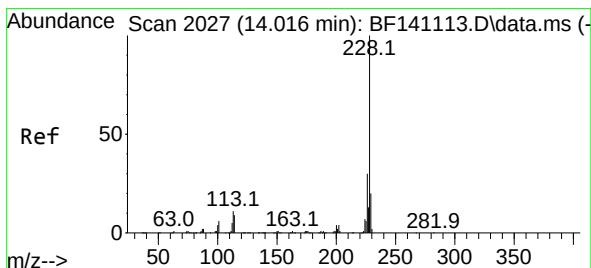
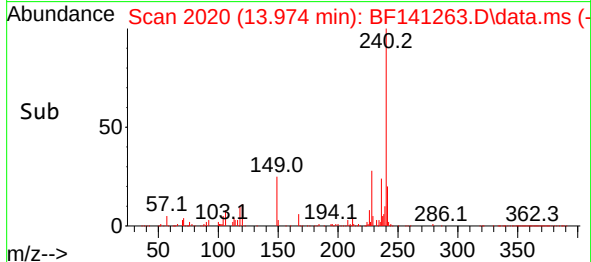
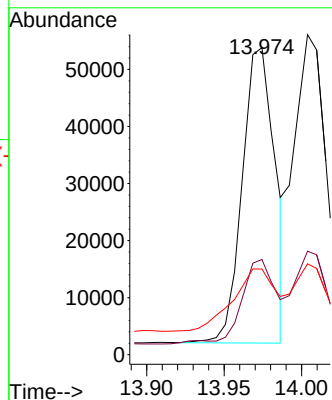
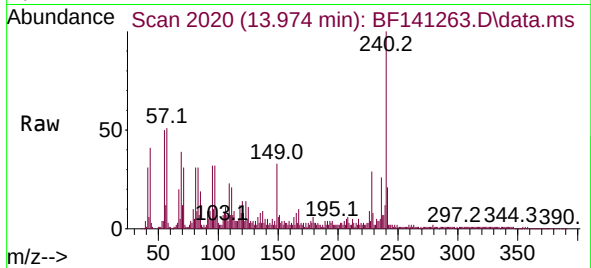




#81
Benzo(a)anthracene
Concen: 3.239 ng
RT: 13.974 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF141263.D
Acq: 24 Jan 2025 15:35

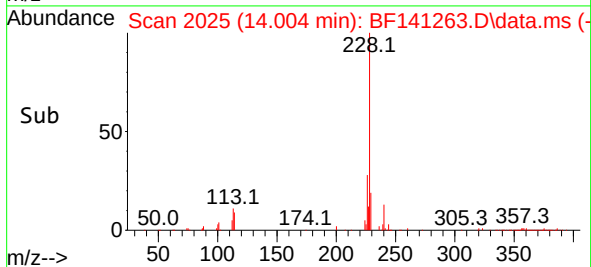
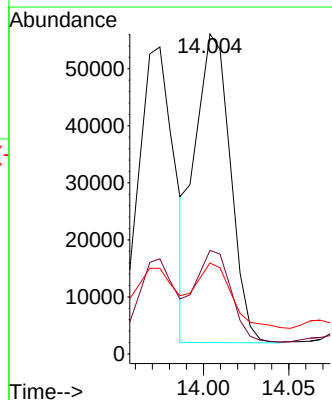
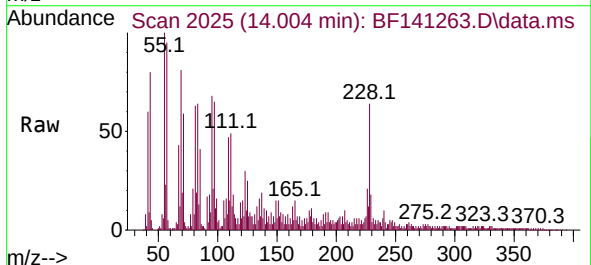
Instrument :
BNA_F
ClientSampleId :
ARS20-0006

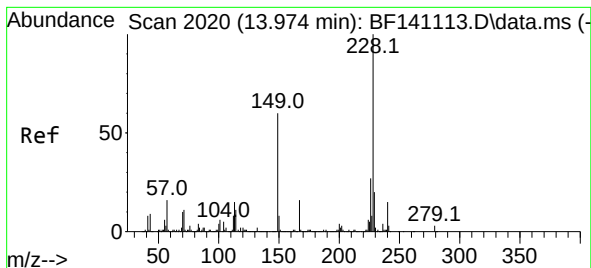
Tgt Ion:228 Resp: 75726
Ion Ratio Lower Upper
228 100
226 31.0 21.7 32.5
229 27.9 15.7 23.5#



#83
Chrysene
Concen: 3.586 ng
RT: 14.004 min Scan# 2025
Delta R.T. -0.012 min
Lab File: BF141263.D
Acq: 24 Jan 2025 15:35

Tgt Ion:228 Resp: 78444
Ion Ratio Lower Upper
228 100
226 32.3 23.8 35.8
229 28.4 15.8 23.8#

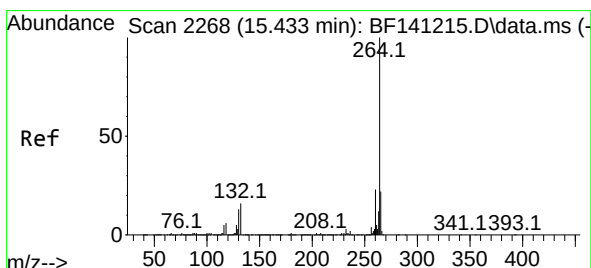
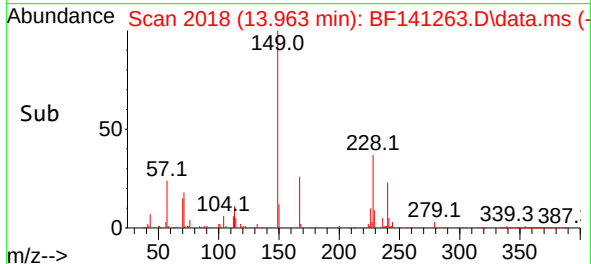
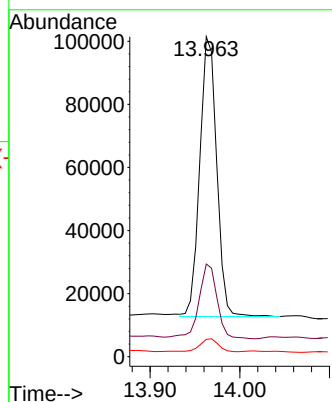
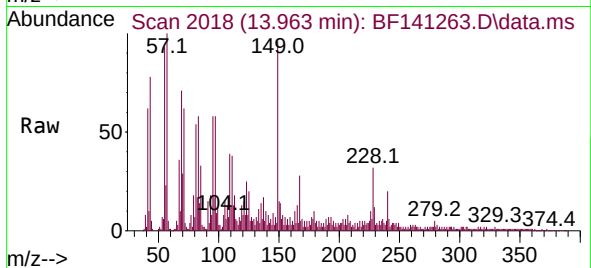




#84
Bis(2-ethylhexyl)phthalate
Concen: 8.844 ng
RT: 13.963 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF141263.D
Acq: 24 Jan 2025 15:35

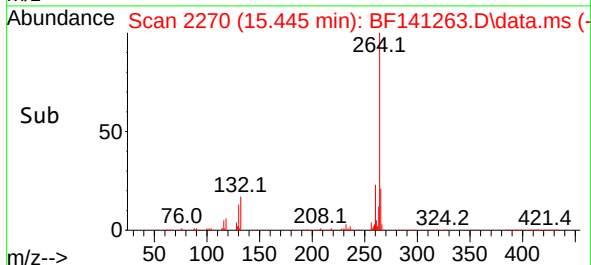
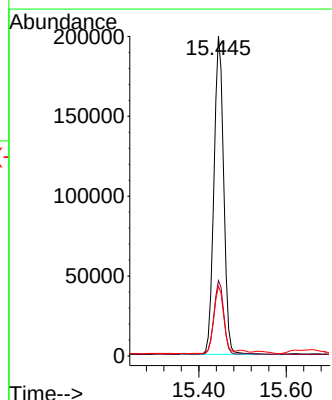
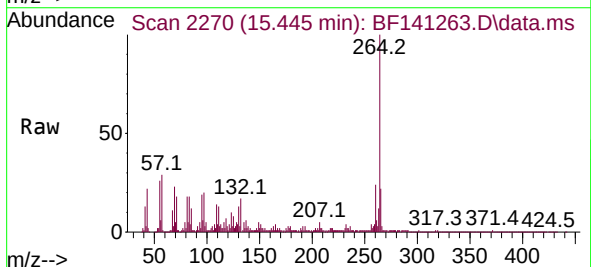
Instrument :
BNA_F
ClientSampleId :
ARS20-0006

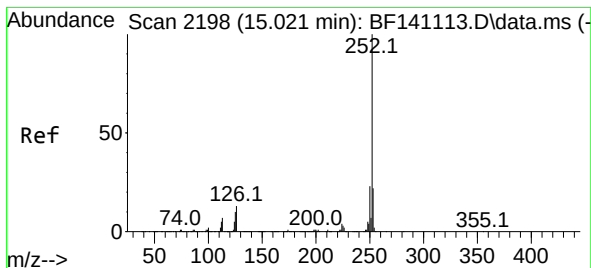
Tgt Ion:149 Resp: 116075
Ion Ratio Lower Upper
149 100
167 29.0 21.4 32.2
279 5.4 3.4 5.2#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2270
Delta R.T. 0.006 min
Lab File: BF141263.D
Acq: 24 Jan 2025 15:35

Tgt Ion:264 Resp: 308493
Ion Ratio Lower Upper
264 100
260 23.6 18.6 28.0
265 21.8 17.4 26.0





#88

Benzo(b)fluoranthene

Concen: 6.641 ng

RT: 15.021 min Scan# 2198

Delta R.T. 0.000 min

Lab File: BF141263.D

Acq: 24 Jan 2025 15:35

Instrument :

BNA_F

ClientSampleId :

ARS20-0006

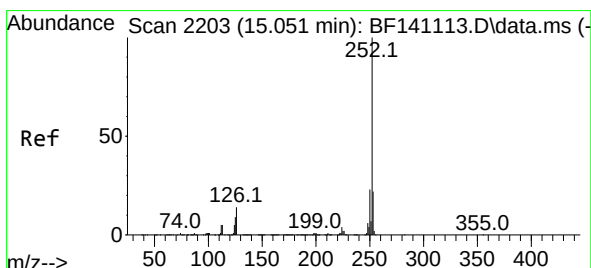
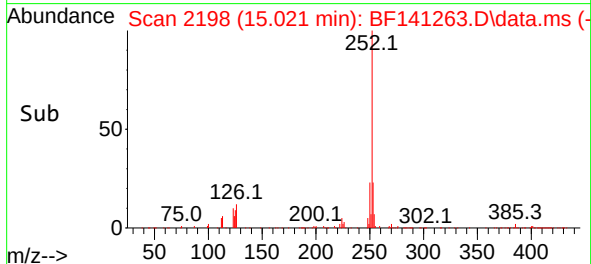
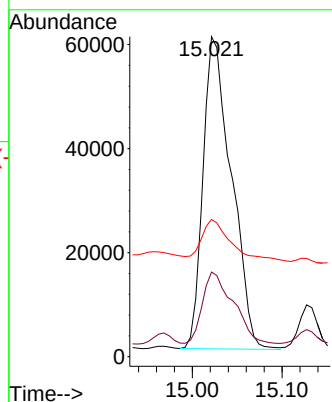
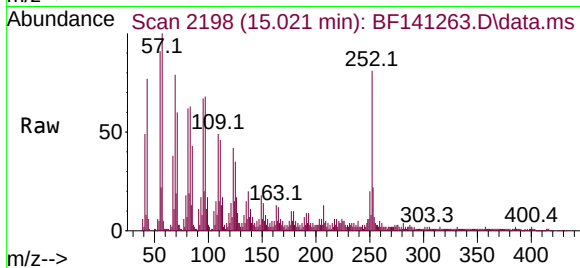
Tgt Ion:252 Resp: 132114

Ion Ratio Lower Upper

252 100

253 26.5 17.8 26.6

125 42.9 8.1 12.1#



#89

Benzo(k)fluoranthene

Concen: 7.859 ng

RT: 15.021 min Scan# 2198

Delta R.T. -0.029 min

Lab File: BF141263.D

Acq: 24 Jan 2025 15:35

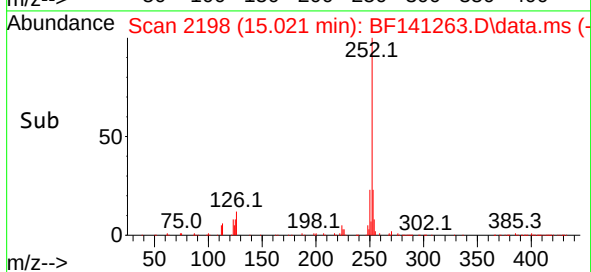
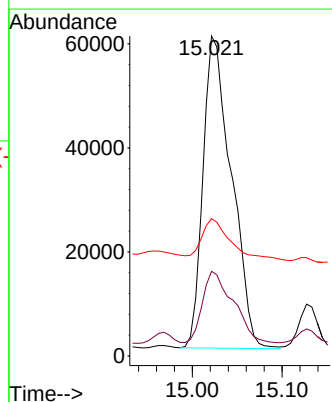
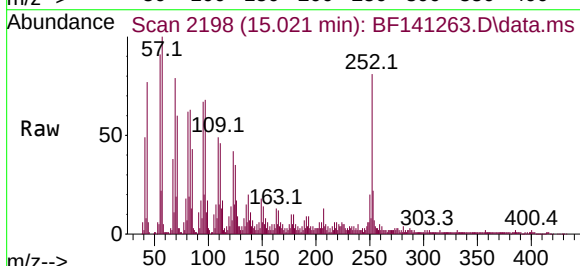
Tgt Ion:252 Resp: 132114

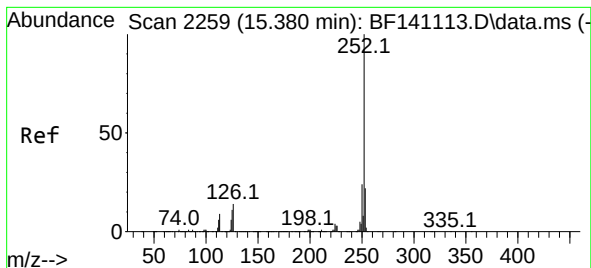
Ion Ratio Lower Upper

252 100

253 26.5 17.8 26.8

125 42.9 7.9 11.9#





#90

Benzo(a)pyrene

Concen: 3.998 ng

RT: 15.380 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF141263.D

Acq: 24 Jan 2025 15:35

Instrument :

BNA_F

ClientSampleId :

ARS20-0006

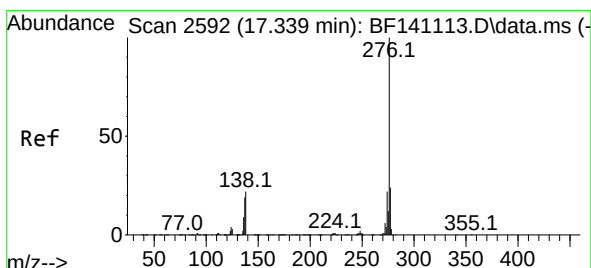
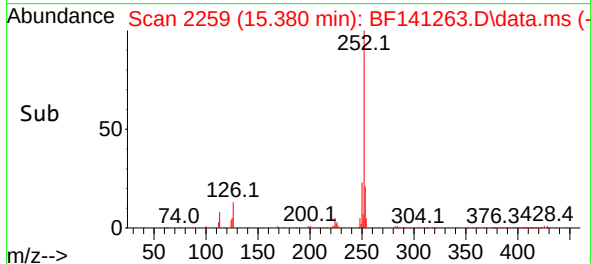
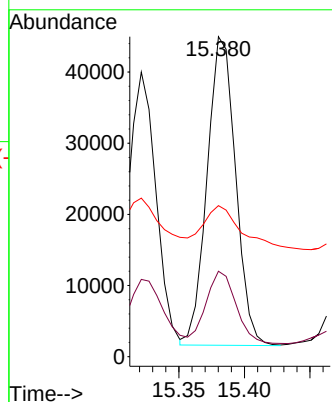
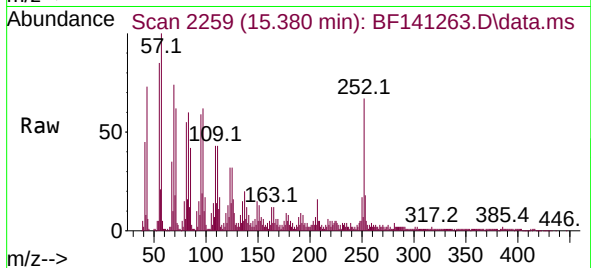
Tgt Ion:252 Resp: 65624

Ion Ratio Lower Upper

252 100

253 26.7 17.7 26.5#

125 47.2 9.1 13.7#



#92

Benzo(g,h,i)perylene

Concen: 2.056 ng

RT: 17.327 min Scan# 2590

Delta R.T. -0.012 min

Lab File: BF141263.D

Acq: 24 Jan 2025 15:35

Tgt Ion:276 Resp: 39098

Ion Ratio Lower Upper

276 100

277 26.0 19.0 28.4

138 27.4 17.4 26.2#

