

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031725\
 Data File : BF141978.D
 Acq On : 17 Mar 2025 13:31
 Operator : RC/JU
 Sample : Q1574-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC1

Quant Time: Mar 17 14:08:53 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)

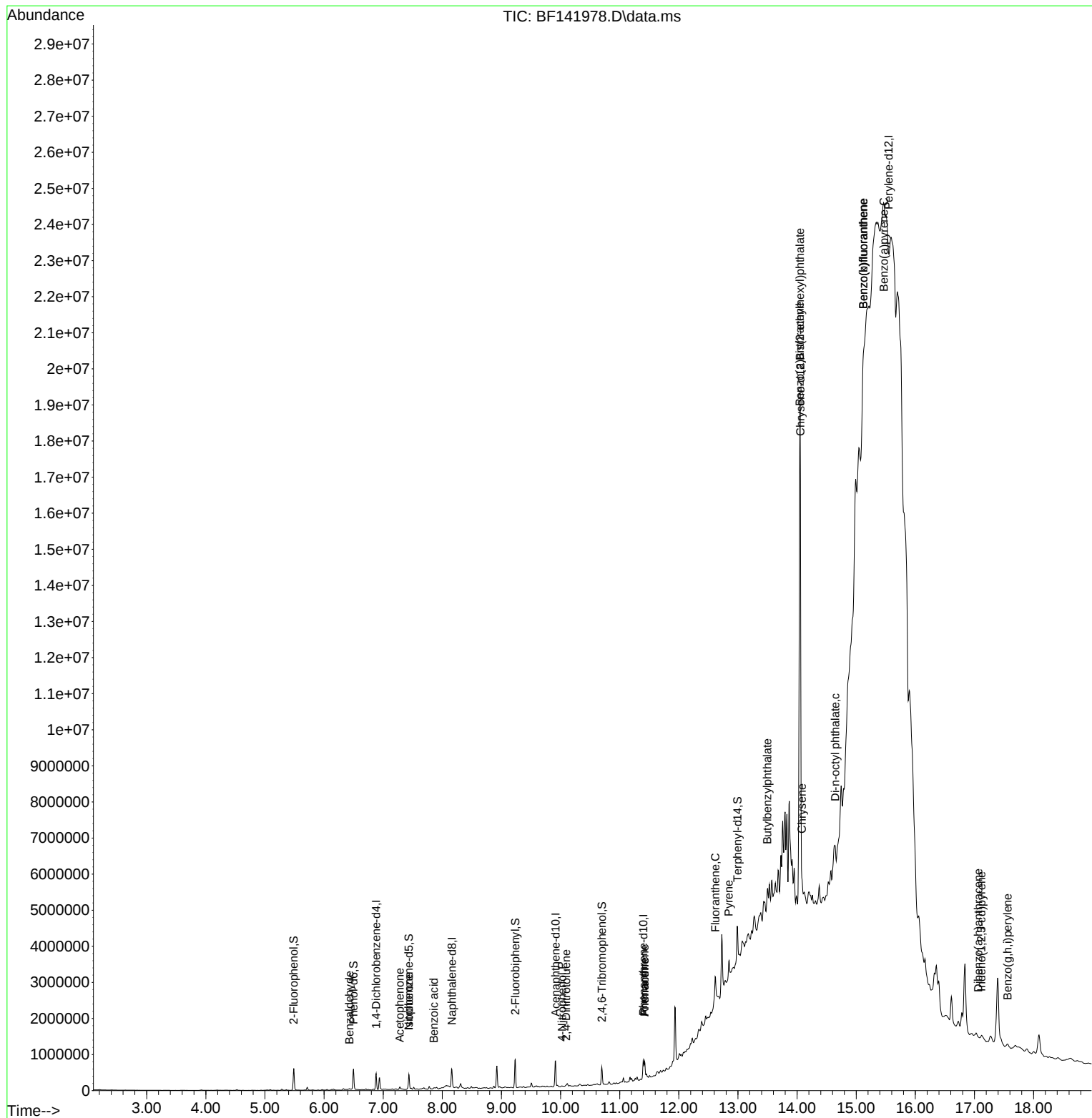
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	93840	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	333156	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	160861	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	277799	20.000	ng	0.00
76) Chrysene-d12	14.057	240	168140	20.000	ng	# 0.02
86) Perylene-d12	15.551	264	947	20.000	ng	# 0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	230488	40.993	ng	0.00
7) Phenol-d6	6.498	99	272882	38.118	ng	0.00
23) Nitrobenzene-d5	7.434	82	177200	29.932	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	81018	39.700	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	349958	33.086	ng	0.00
79) Terphenyl-d14	12.992	244	406420	35.736	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.428	77	8693	2.171	ng	95
22) Acetophenone	7.281	105	30737	3.853	ng	# 96
25) Isophorone	7.434	82	169340	16.182	ng	# 64
32) Benzoic acid	7.857	122	10756	3.076	ng	98
56) 4-Nitrophenol	10.028	139	3889	2.168	ng	# 81
57) 2,4-Dinitrotoluene	10.092	165	8076	2.636	ng	# 95
71) Phenanthrene	11.422	178	266581	17.766	ng	99
72) Anthracene	11.422	178	266581	17.709	ng	99
75) Fluoranthene	12.616	202	427469	26.857	ng	98
78) Pyrene	12.845	202	322749	22.191	ng	96
80) Butylbenzylphthalate	13.498	149	302083	53.065	ng	# 37
81) Benzo(a)anthracene	14.045	228	86990	7.884	ng	# 86
83) Chrysene	14.080	228	200833	20.080	ng	# 94
84) Bis(2-ethylhexyl)phtha...	14.051	149	8293275	1056.606	ng	# 87
85) Di-n-octyl phthalate	14.645	149	1068964	97.881	ng	# 59
87) Indeno(1,2,3-cd)pyrene	17.115	276	54302	886.420	ng	98
88) Benzo(b)fluoranthene	15.121	252	190253	2931.330	ng	# 11
89) Benzo(k)fluoranthene	15.121	252	190253	3425.363	ng	# 10
90) Benzo(a)pyrene	15.468	252	21429	421.960	ng	# 1
91) Dibenzo(a,h)anthracene	17.062	278	3193	63.172	ng	# 1
92) Benzo(g,h,i)perylene	17.562	276	52058	1042.245	ng	# 82

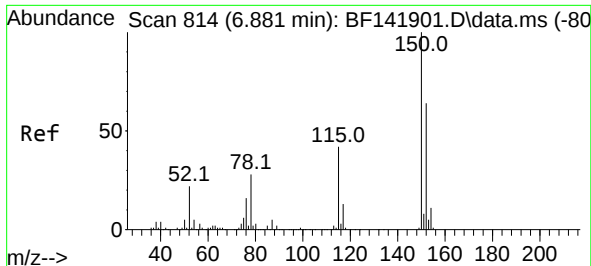
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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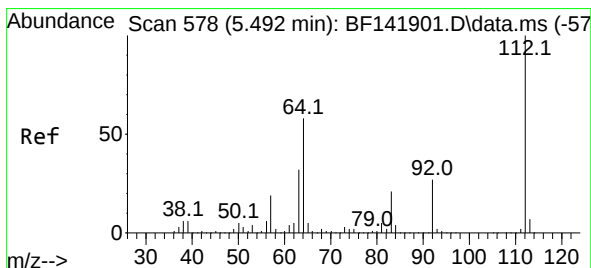
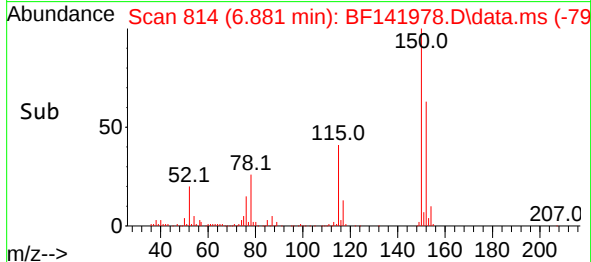
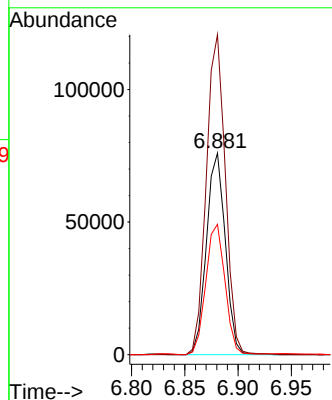
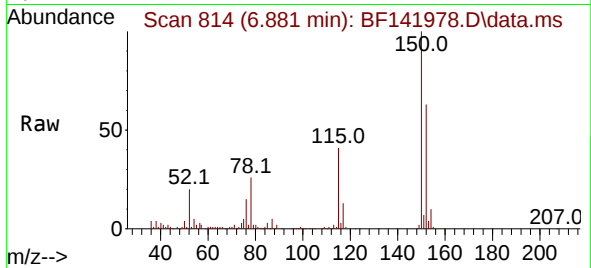




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF141978.D
Acq: 17 Mar 2025 13:31

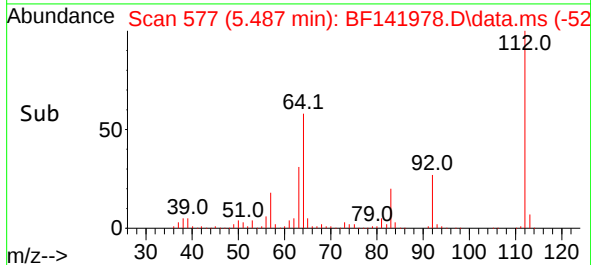
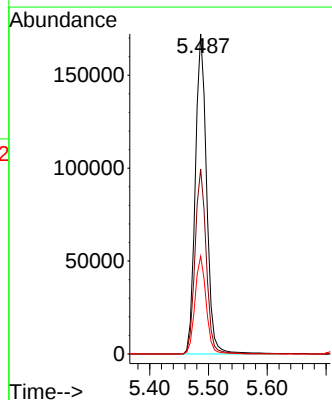
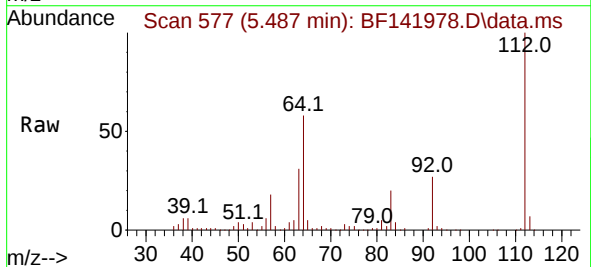
Instrument :
BNA_F
ClientSampleId :
WC1

Tgt Ion:152 Resp: 93840
Ion Ratio Lower Upper
152 100
150 158.8 127.4 191.2
115 64.7 51.9 77.9



#5
2-Fluorophenol
Concen: 40.993 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF141978.D
Acq: 17 Mar 2025 13:31

Tgt Ion:112 Resp: 230488
Ion Ratio Lower Upper
112 100
64 57.8 46.5 69.7
63 30.5 25.4 38.2

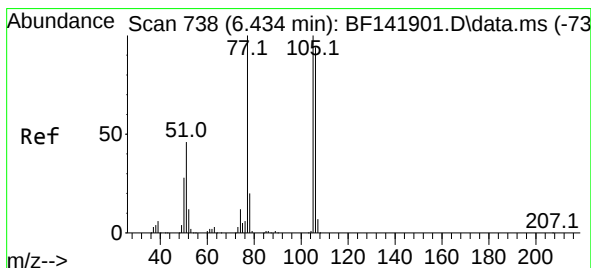
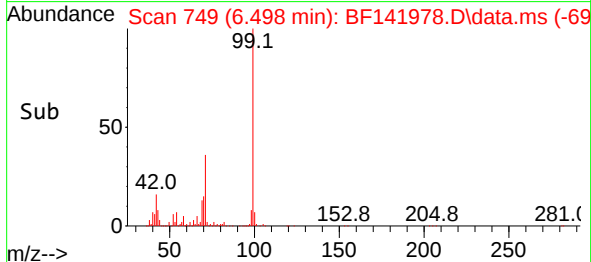
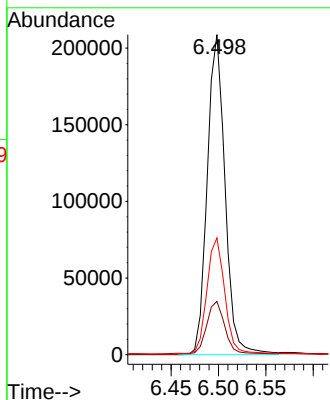
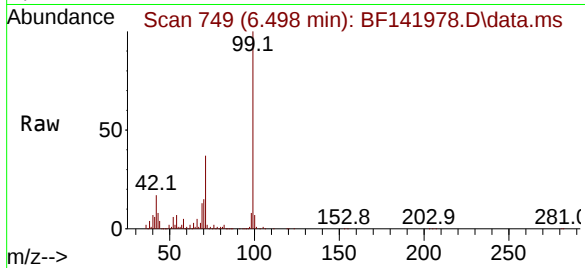




#7
Phenol-d6
Concen: 38.118 ng
RT: 6.498 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF141978.D
Acq: 17 Mar 2025 13:31

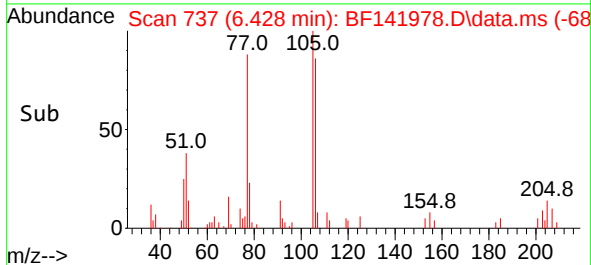
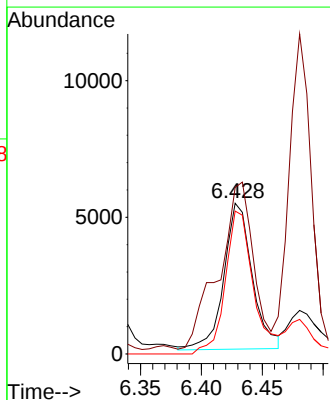
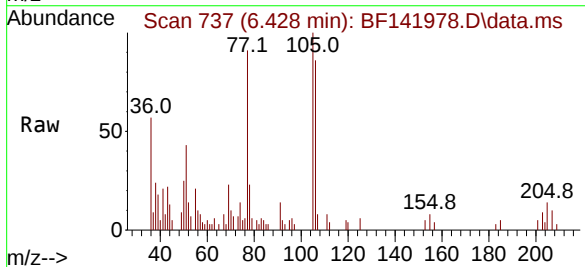
Instrument :
BNA_F
ClientSampleId :
WC1

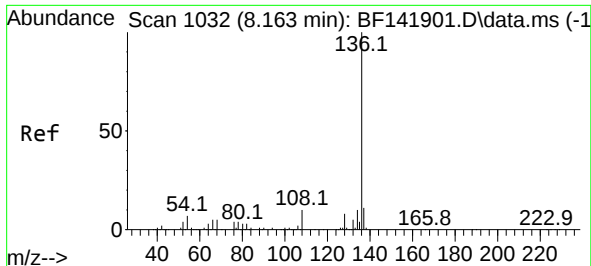
Tgt Ion: 99 Resp: 272882
Ion Ratio Lower Upper
99 100
42 16.6 14.6 21.8
71 36.5 30.8 46.2



#9
Benzaldehyde
Concen: 2.171 ng
RT: 6.428 min Scan# 737
Delta R.T. -0.006 min
Lab File: BF141978.D
Acq: 17 Mar 2025 13:31

Tgt Ion: 77 Resp: 8693
Ion Ratio Lower Upper
77 100
105 110.4 80.0 120.0
106 94.8 74.5 114.5

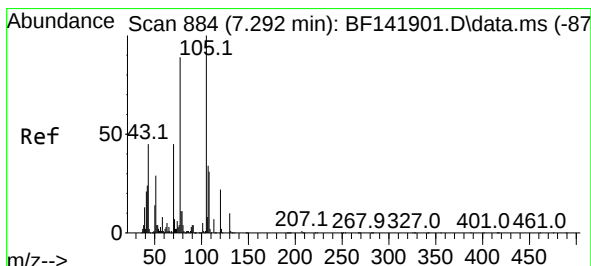
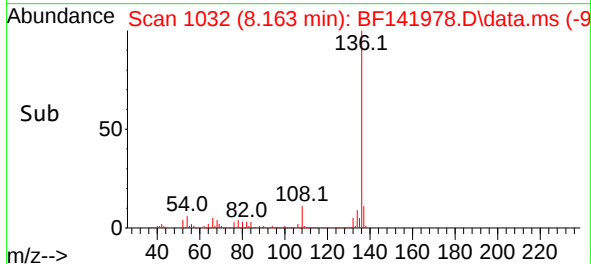
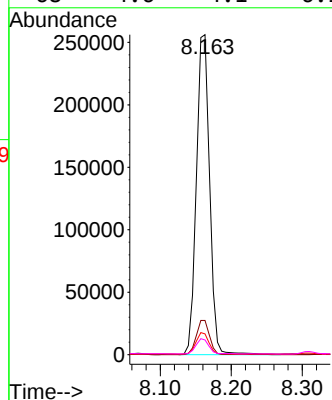
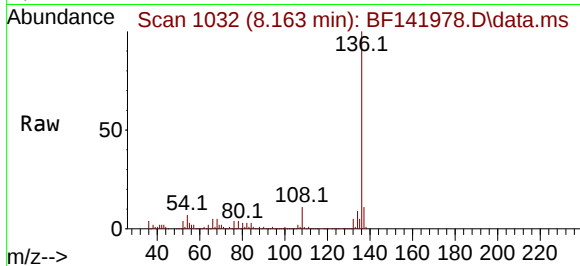




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.000 min
Lab File: BF141978.D
Acq: 17 Mar 2025 13:31

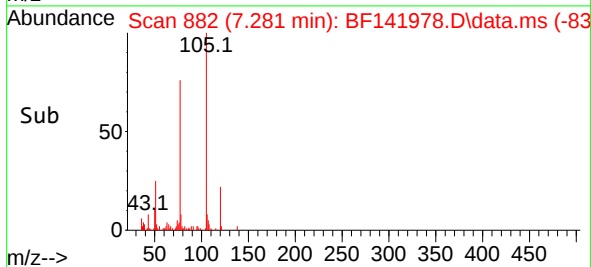
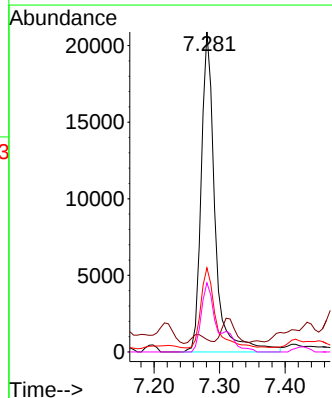
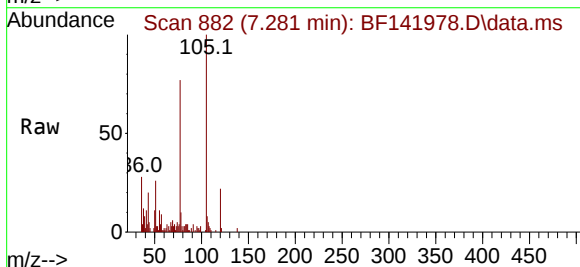
Instrument :
BNA_F
ClientSampleId :
WC1

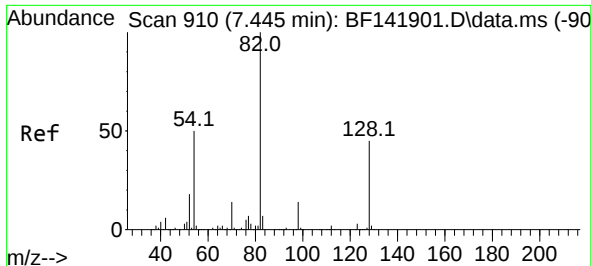
Tgt Ion	136	Resp:	333156
	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	6.5	5.8	8.8
68	4.6	4.1	6.1



#22
Acetophenone
Concen: 3.853 ng
RT: 7.281 min Scan# 882
Delta R.T. -0.012 min
Lab File: BF141978.D
Acq: 17 Mar 2025 13:31

Tgt	Ion:105	Resp:	30737
Ion	Ratio	Lower	Upper
105	100		
71	3.9	5.8	8.8#
51	26.3	23.4	35.0
120	21.6	17.3	25.9





#23

Nitrobenzene-d5

Concen: 29.932 ng

RT: 7.434 min Scan# 908

Delta R.T. -0.012 min

Lab File: BF141978.D

Acq: 17 Mar 2025 13:31

Instrument :

BNA_F

ClientSampleId :

WC1

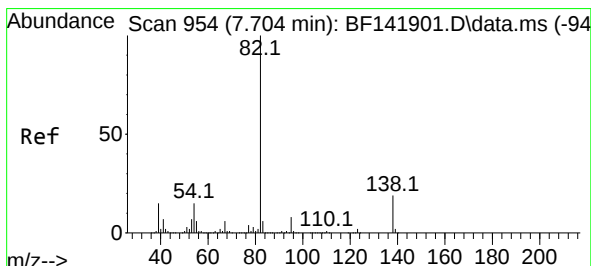
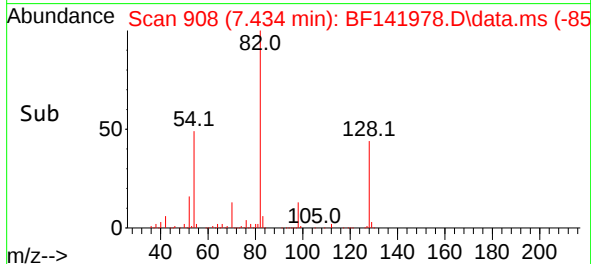
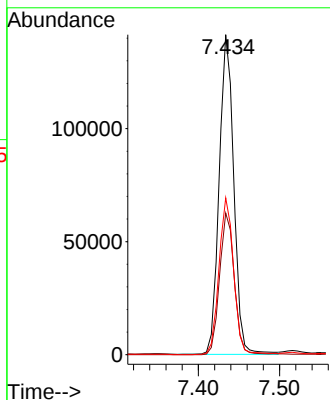
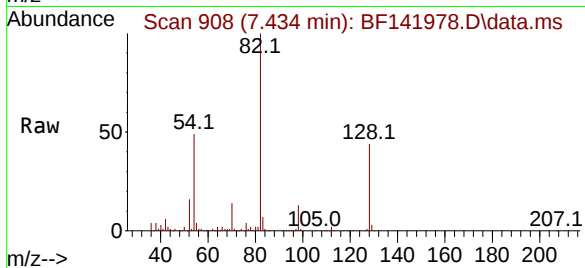
Tgt Ion: 82 Resp: 177200

Ion Ratio Lower Upper

82 100

128 44.3 36.0 54.0

54 49.0 39.6 59.4



#25

Isophorone

Concen: 16.182 ng

RT: 7.434 min Scan# 908

Delta R.T. -0.271 min

Lab File: BF141978.D

Acq: 17 Mar 2025 13:31

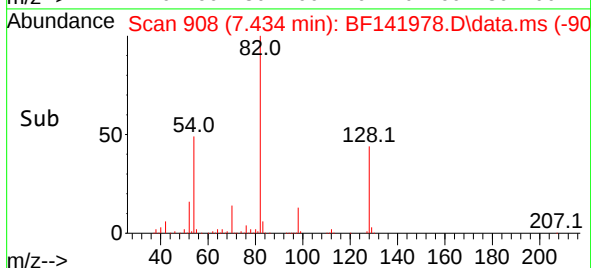
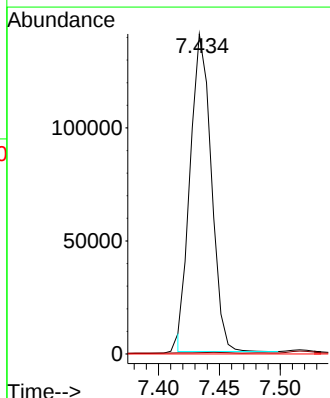
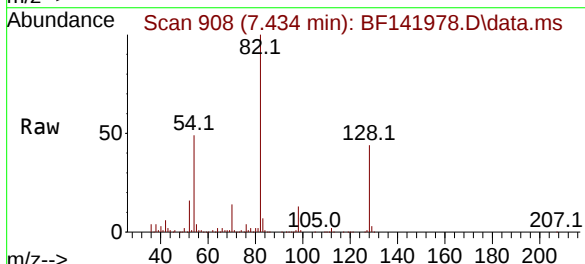
Tgt Ion: 82 Resp: 169340

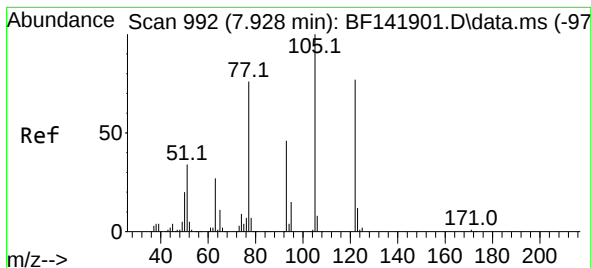
Ion Ratio Lower Upper

82 100

95 0.4 6.4 9.6#

138 0.0 14.9 22.3#





#32

Benzoic acid

Concen: 3.076 ng

RT: 7.857 min Scan# 91

Delta R.T. -0.071 min

Lab File: BF141978.D

Acq: 17 Mar 2025 13:31

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WC1

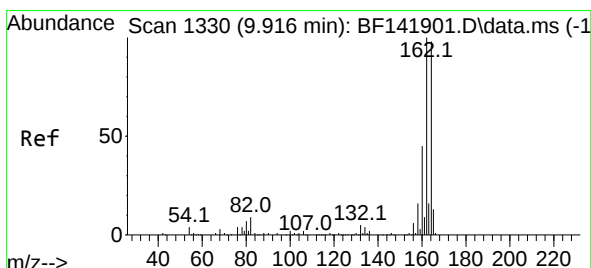
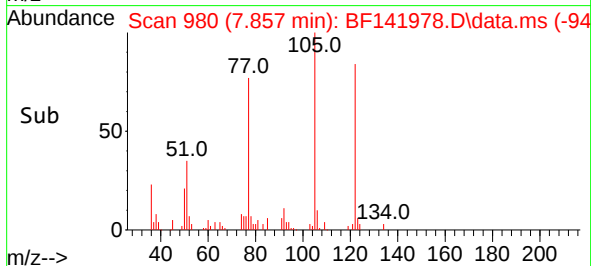
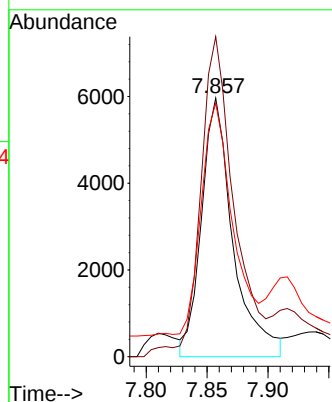
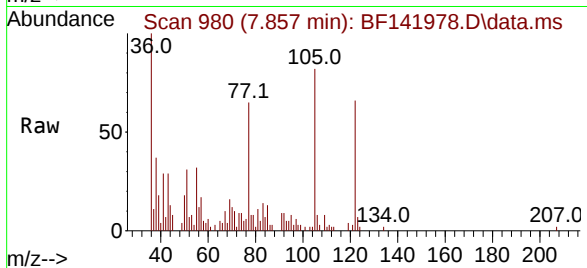
Tgt Ion:122 Resp: 10756

Ion Ratio Lower Upper

122 100

105 123.7 107.9 147.9

77 98.0 79.0 119.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1330

Delta R.T. -0.000 min

Lab File: BF141978.D

Acq: 17 Mar 2025 13:31

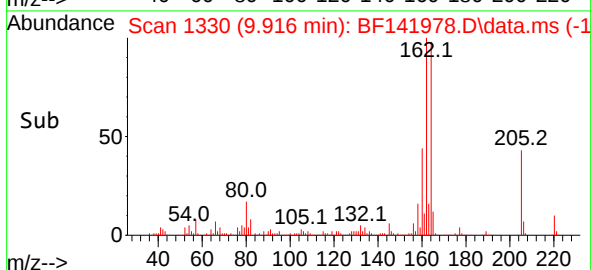
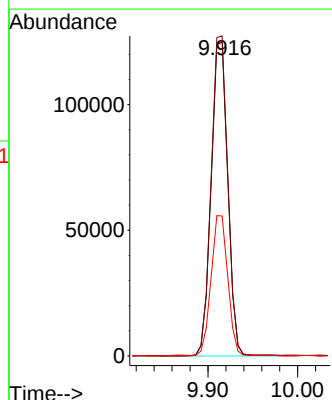
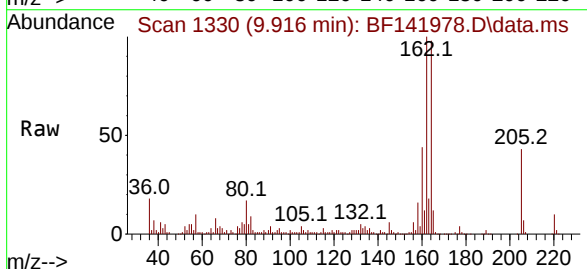
Tgt Ion:164 Resp: 160861

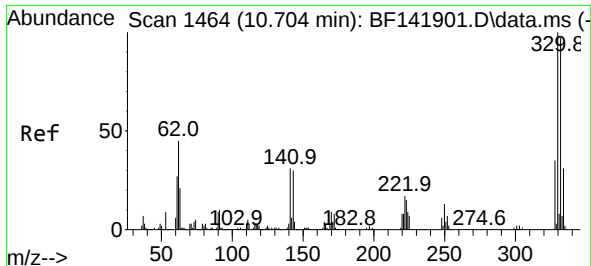
Ion Ratio Lower Upper

164 100

162 102.0 81.8 122.6

160 44.6 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 39.700 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF141978.D

Acq: 17 Mar 2025 13:31

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ClientSampleId :

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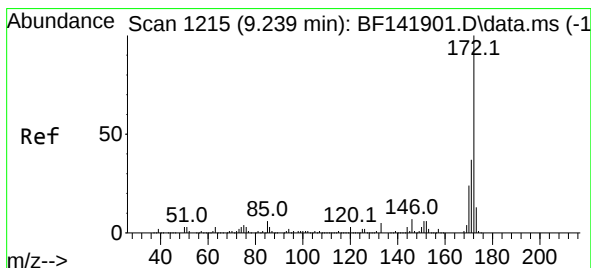
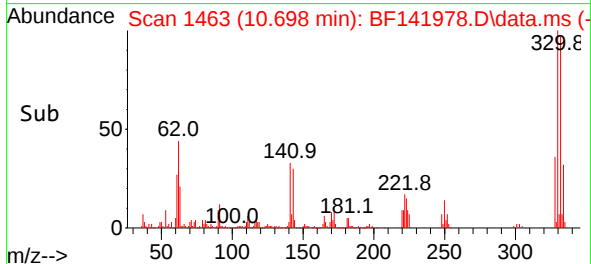
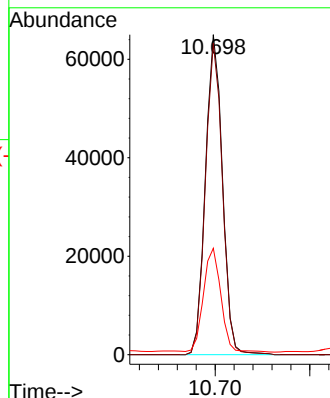
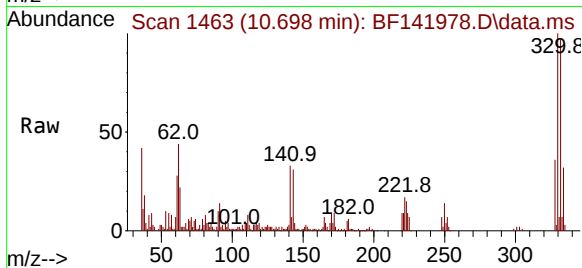
Tgt Ion:330 Resp: 81018

Ion Ratio Lower Upper

330 100

332 97.0 77.6 116.4

141 33.3 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 33.086 ng

RT: 9.233 min Scan# 1214

Delta R.T. -0.006 min

Lab File: BF141978.D

Acq: 17 Mar 2025 13:31

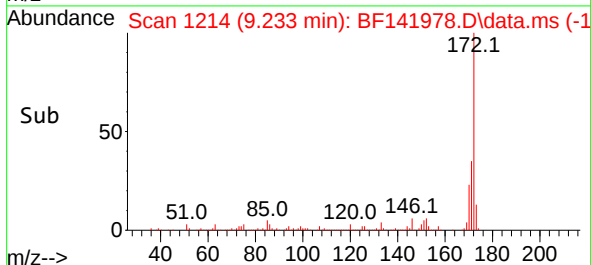
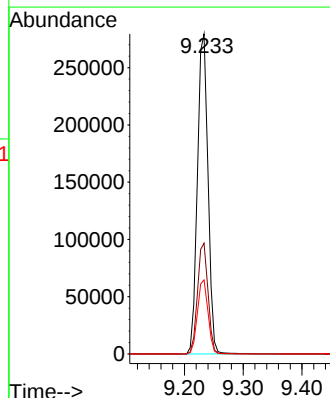
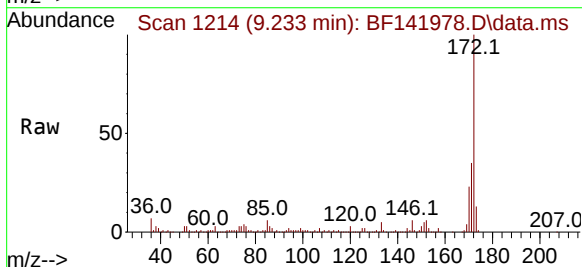
Tgt Ion:172 Resp: 349958

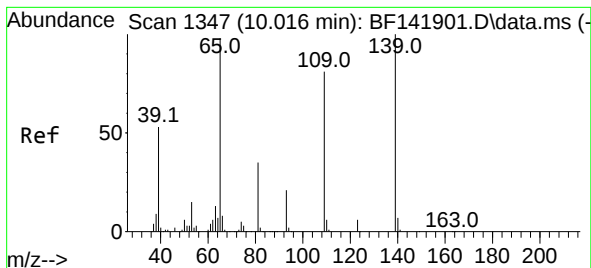
Ion Ratio Lower Upper

172 100

171 34.6 29.3 43.9

170 23.1 19.4 29.0

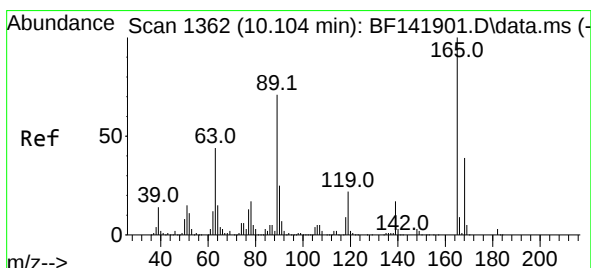
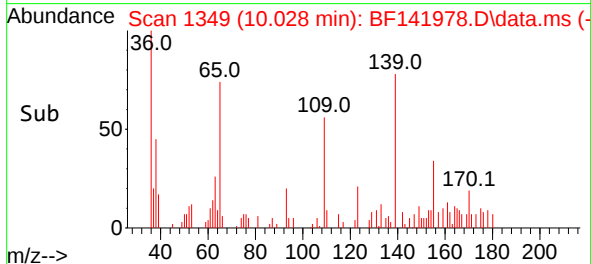
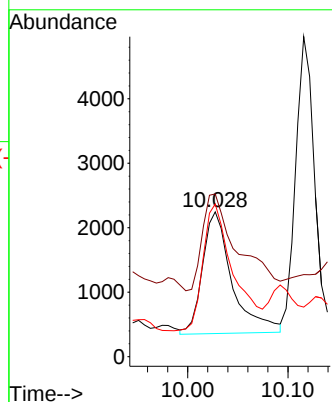
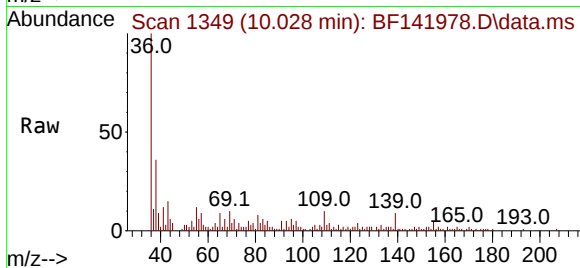




#56
4-Nitrophenol
Concen: 2.168 ng
RT: 10.028 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF141978.D
Acq: 17 Mar 2025 13:31

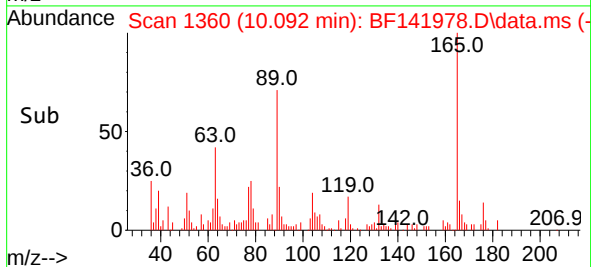
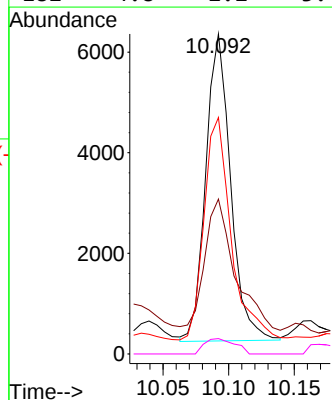
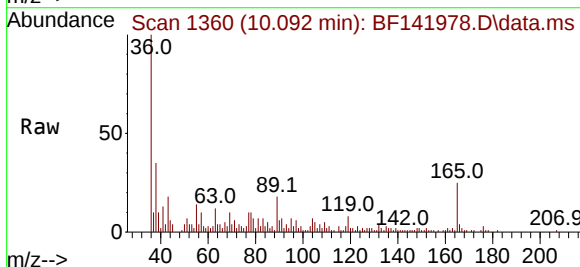
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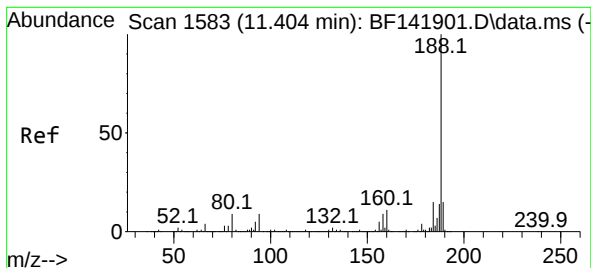
Tgt Ion:139 Resp: 3889
Ion Ratio Lower Upper
139 100
109 112.3 61.6 101.6#
65 105.4 79.4 119.4



#57
2,4-Dinitrotoluene
Concen: 2.636 ng
RT: 10.092 min Scan# 1360
Delta R.T. -0.012 min
Lab File: BF141978.D
Acq: 17 Mar 2025 13:31

Tgt Ion:165 Resp: 8076
Ion Ratio Lower Upper
165 100
63 48.4 35.4 53.2
89 73.9 56.6 84.8
182 4.8 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141978.D

Acq: 17 Mar 2025 13:31

Instrument :

BNA_F

ClientSampleId :

WC1

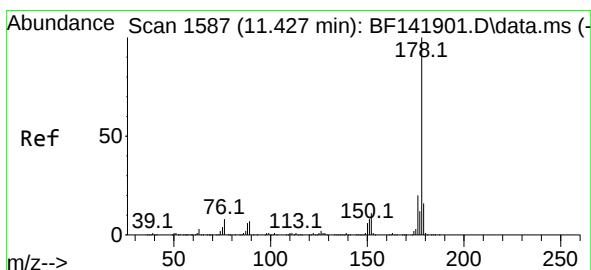
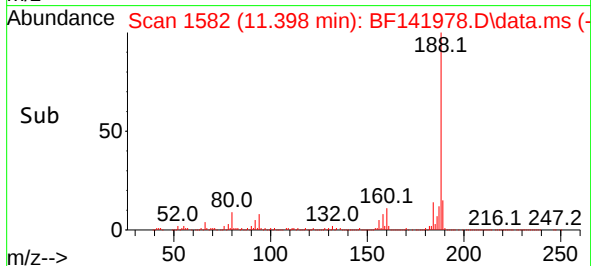
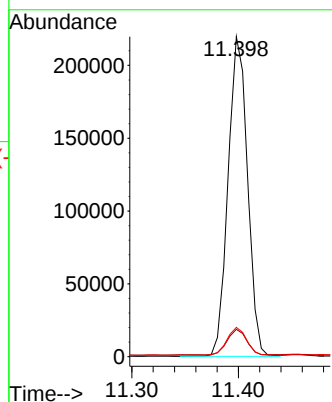
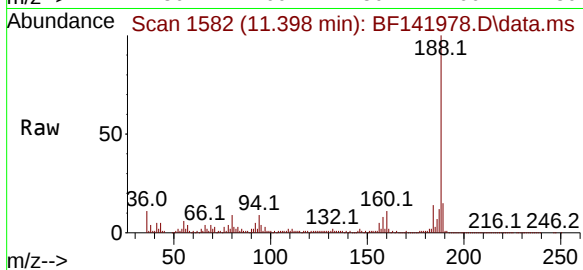
Tgt Ion:188 Resp: 277799

Ion Ratio Lower Upper

188 100

94 8.6 6.8 10.2

80 9.1 7.6 11.4



#71

Phenanthrene

Concen: 17.766 ng

RT: 11.422 min Scan# 1586

Delta R.T. -0.006 min

Lab File: BF141978.D

Acq: 17 Mar 2025 13:31

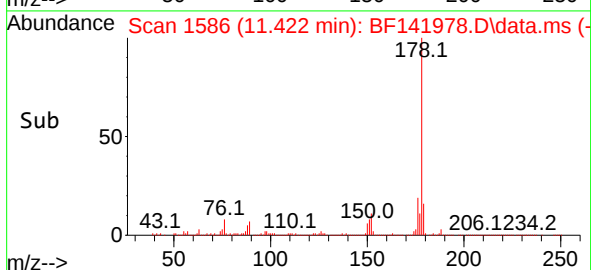
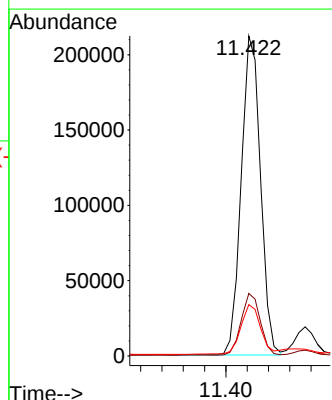
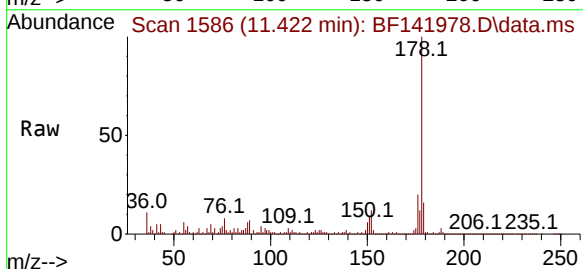
Tgt Ion:178 Resp: 266581

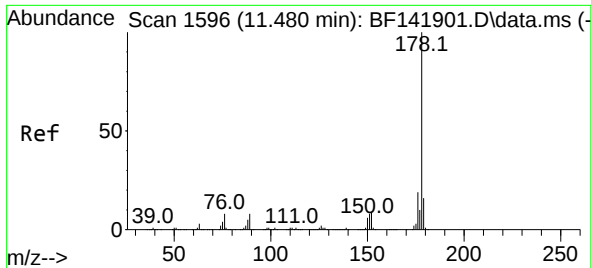
Ion Ratio Lower Upper

178 100

176 19.5 15.8 23.8

179 16.1 12.6 19.0

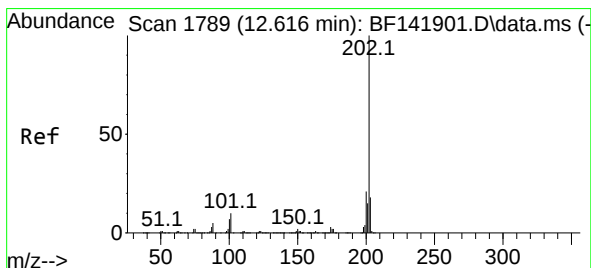
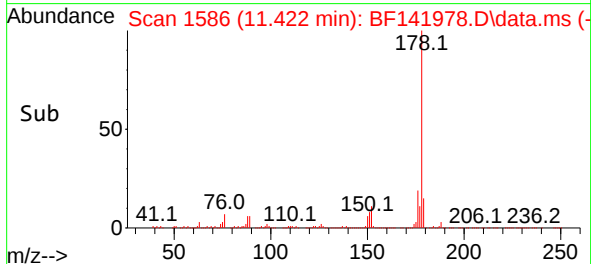
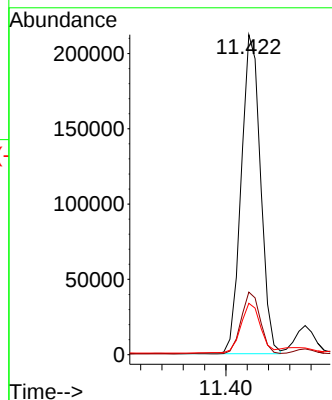
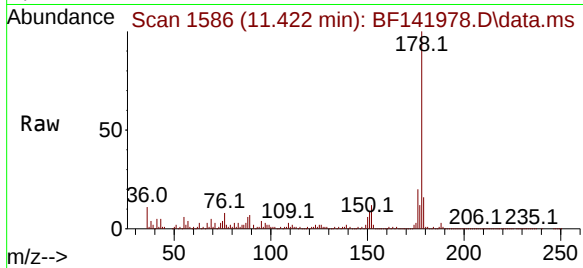




#72
 Anthracene
 Concen: 17.709 ng
 RT: 11.422 min Scan# 1586
 Delta R.T. -0.059 min
 Lab File: BF141978.D
 Acq: 17 Mar 2025 13:31

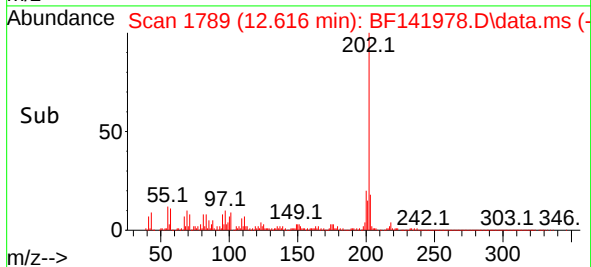
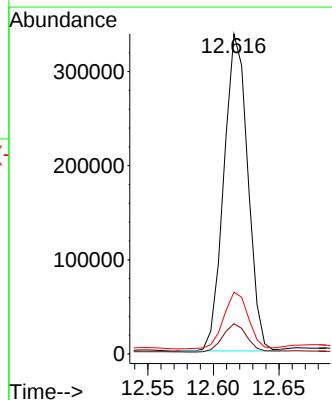
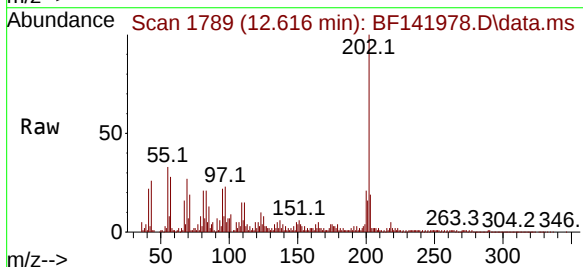
Instrument :
 BNA_F
 ClientSampleId :
 WC1

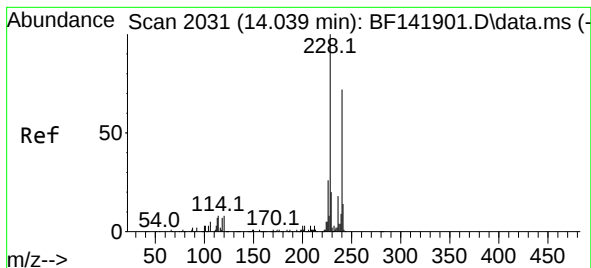
Tgt Ion:178 Resp: 266581
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.1 22.7
 179 16.1 12.6 19.0



#75
 Fluoranthene
 Concen: 26.857 ng
 RT: 12.616 min Scan# 1789
 Delta R.T. 0.000 min
 Lab File: BF141978.D
 Acq: 17 Mar 2025 13:31

Tgt Ion:202 Resp: 427469
 Ion Ratio Lower Upper
 202 100
 101 9.4 0.0 29.7
 203 19.3 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2031

Delta R.T. 0.018 min

Lab File: BF141978.D

Acq: 17 Mar 2025 13:31

Instrument :

BNA_F

ClientSampleId :

WC1

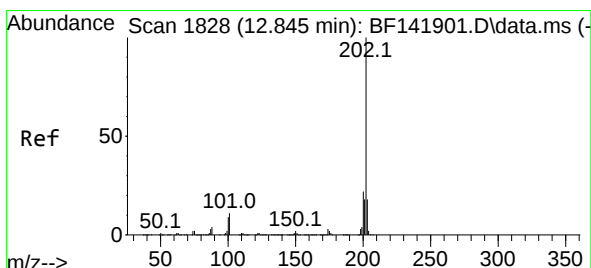
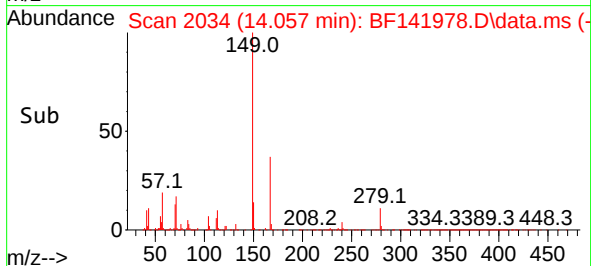
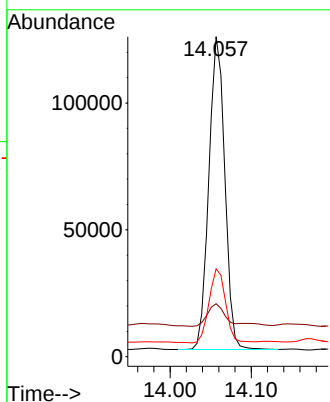
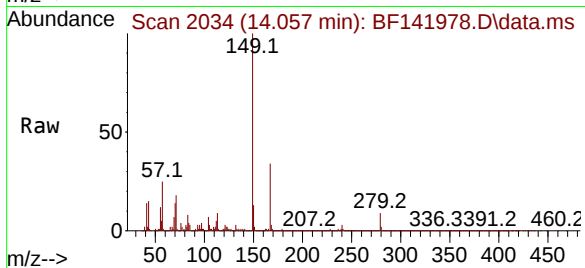
Tgt Ion:240 Resp: 168140

Ion Ratio Lower Upper

240 100

120 16.5 8.4 12.6#

236 27.5 20.5 30.7



#78

Pyrene

Concen: 22.191 ng

RT: 12.845 min Scan# 1828

Delta R.T. 0.000 min

Lab File: BF141978.D

Acq: 17 Mar 2025 13:31

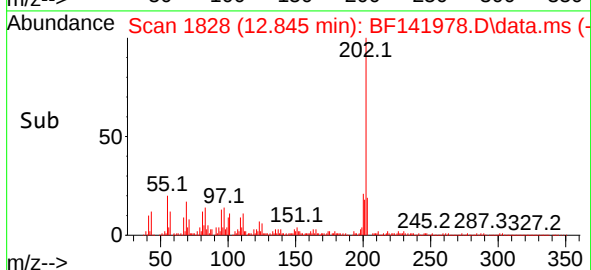
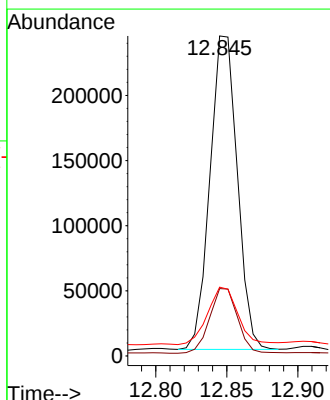
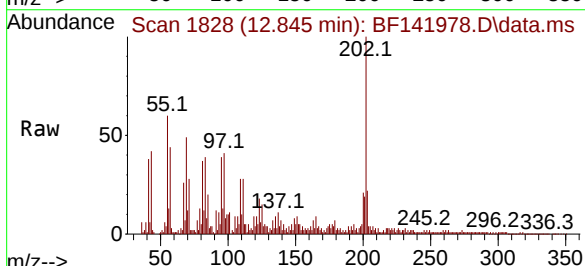
Tgt Ion:202 Resp: 322749

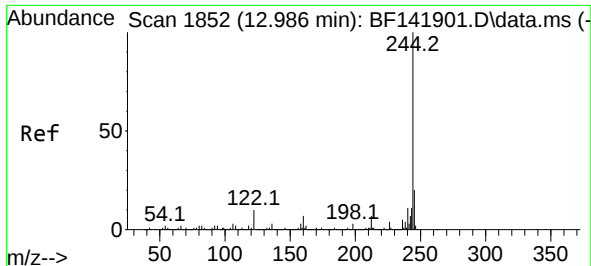
Ion Ratio Lower Upper

202 100

200 21.1 17.3 25.9

203 21.5 14.4 21.6

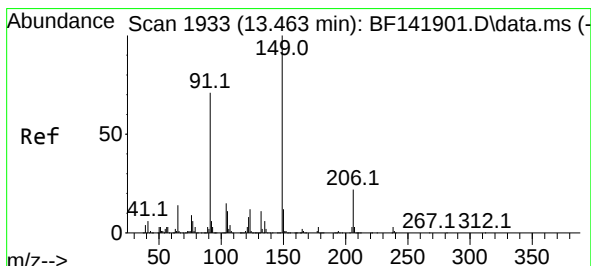
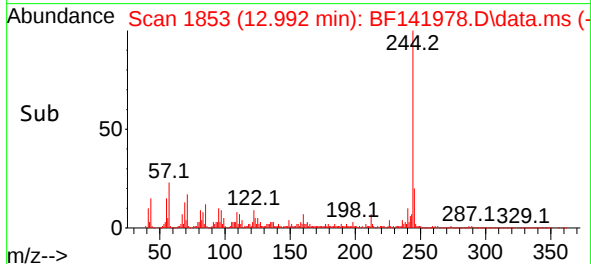
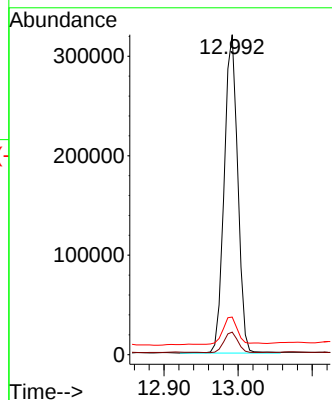
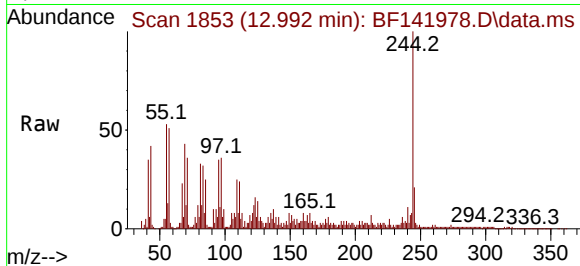




#79
 Terphenyl-d14
 Concen: 35.736 ng
 RT: 12.992 min Scan# 1853
 Delta R.T. 0.006 min
 Lab File: BF141978.D
 Acq: 17 Mar 2025 13:31

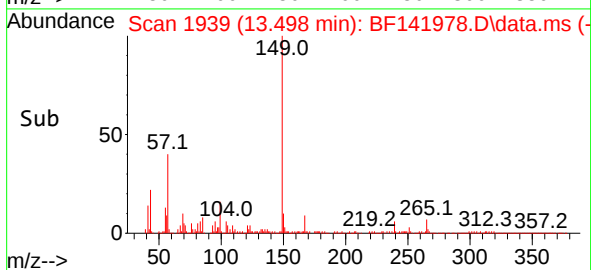
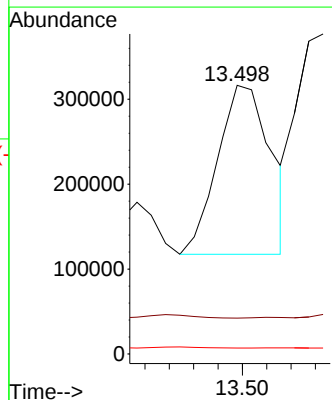
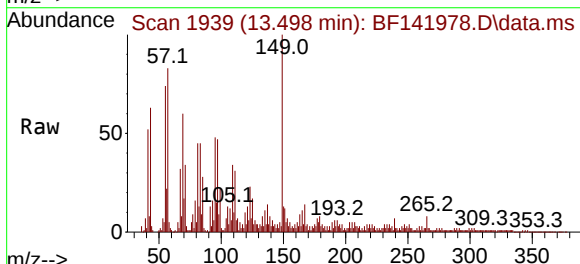
Instrument :
 BNA_F
 ClientSampleId :
 WC1

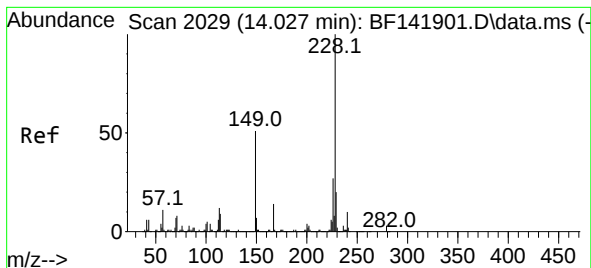
Tgt Ion:244 Resp: 406420
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 11.8 7.7 11.5#



#80
 Butylbenzylphthalate
 Concen: 53.065 ng
 RT: 13.498 min Scan# 1939
 Delta R.T. 0.035 min
 Lab File: BF141978.D
 Acq: 17 Mar 2025 13:31

Tgt Ion:149 Resp: 302083
 Ion Ratio Lower Upper
 149 100
 91 13.4 56.5 84.7#
 206 2.2 17.3 25.9#





#81

Benzo(a)anthracene

Concen: 7.884 ng

RT: 14.045 min Scan# 2029

Delta R.T. 0.018 min

Lab File: BF141978.D

Acq: 17 Mar 2025 13:31

Instrument :

BNA_F

ClientSampleId :

WC1

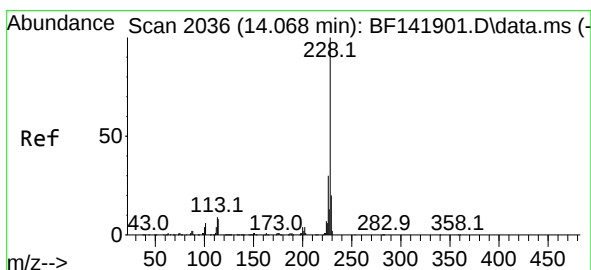
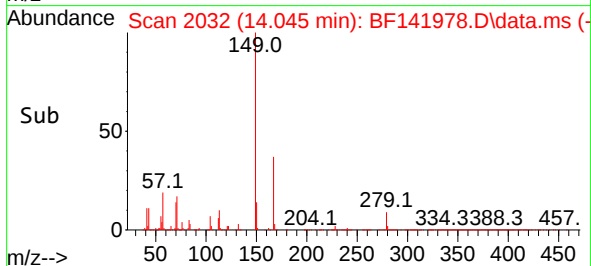
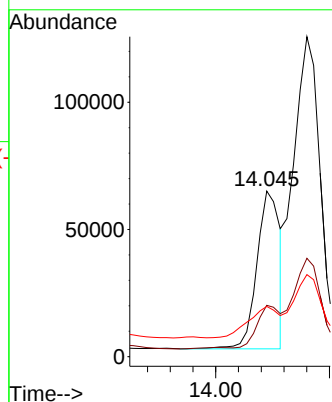
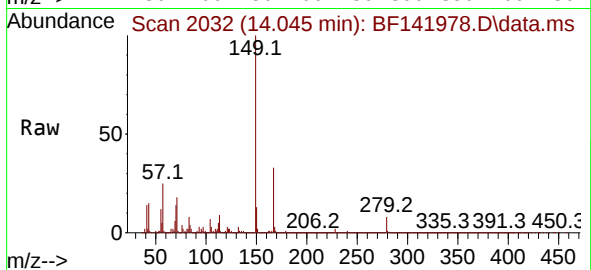
Tgt Ion:228 Resp: 86990

Ion Ratio Lower Upper

228 100

226 31.0 21.8 32.8

229 30.4 16.0 24.0#



#83

Chrysene

Concen: 20.080 ng

RT: 14.080 min Scan# 2038

Delta R.T. 0.012 min

Lab File: BF141978.D

Acq: 17 Mar 2025 13:31

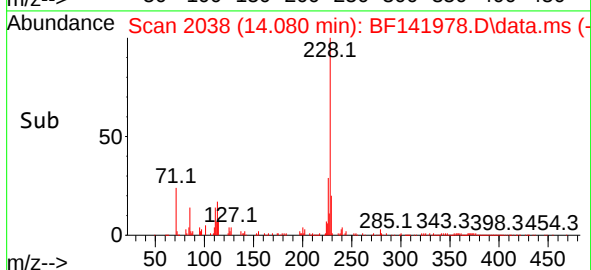
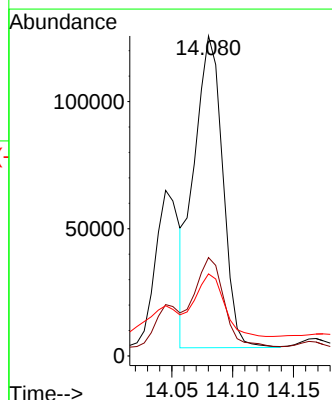
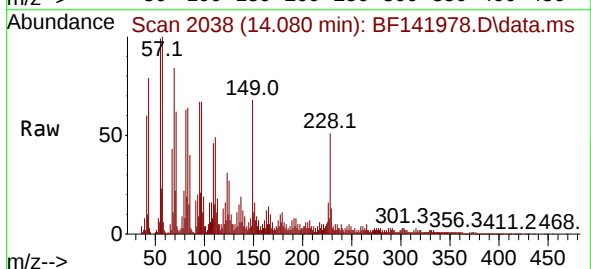
Tgt Ion:228 Resp: 200833

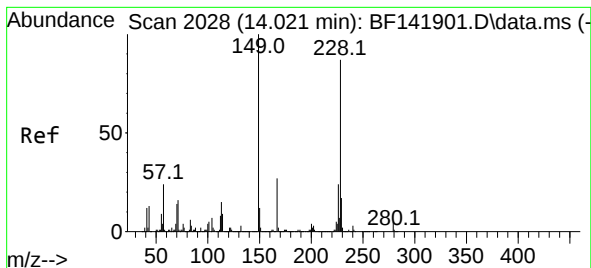
Ion Ratio Lower Upper

228 100

226 30.8 24.1 36.1

229 25.7 15.7 23.5#

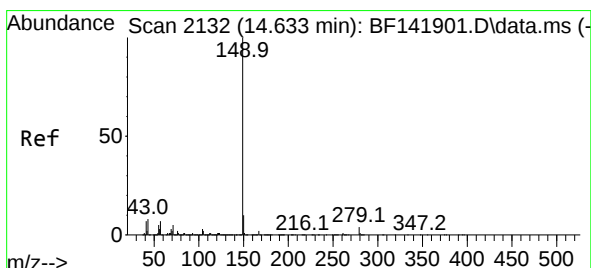
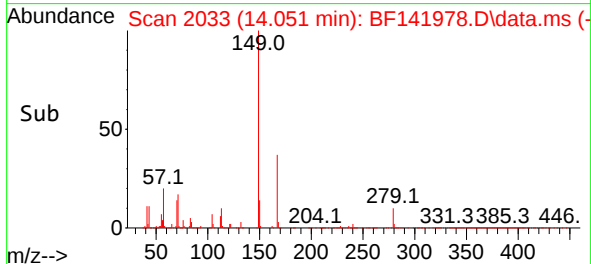
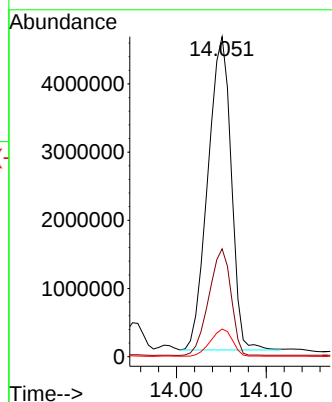
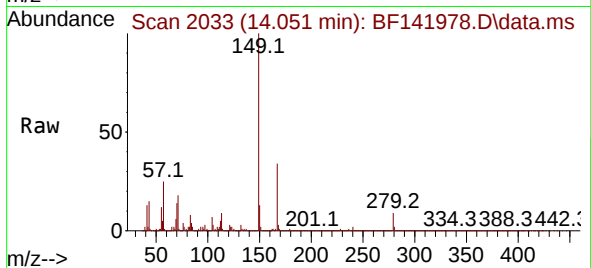




#84
Bis(2-ethylhexyl)phthalate
Concen: 1056.606 ng
RT: 14.051 min Scan# 2028
Delta R.T. 0.029 min
Lab File: BF141978.D
Acq: 17 Mar 2025 13:31

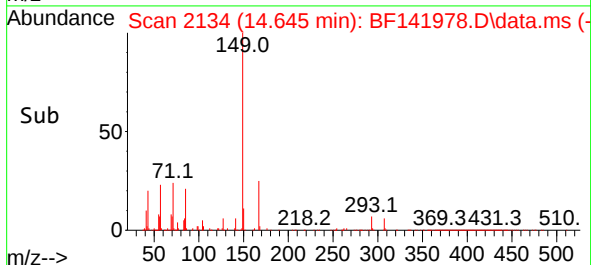
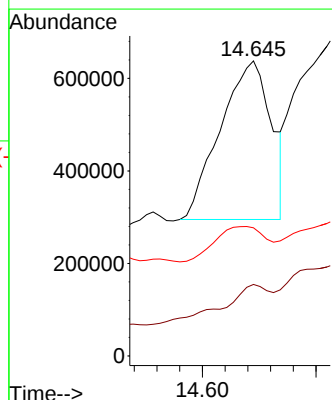
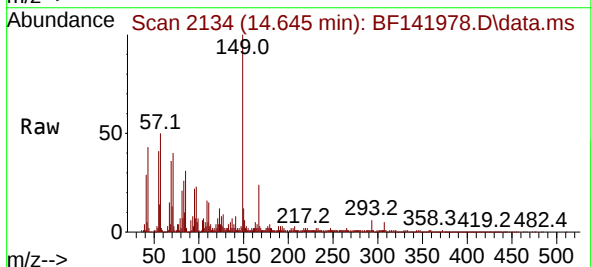
Instrument :
BNA_F
ClientSampleId :
WC1

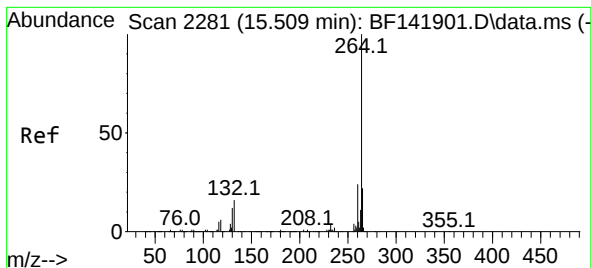
Tgt Ion:149 Resp: 8293275
Ion Ratio Lower Upper
149 100
167 33.7 21.4 32.0#
279 8.6 3.8 5.6#



#85
Di-n-octyl phthalate
Concen: 97.881 ng
RT: 14.645 min Scan# 2134
Delta R.T. 0.012 min
Lab File: BF141978.D
Acq: 17 Mar 2025 13:31

Tgt Ion:149 Resp: 1068964
Ion Ratio Lower Upper
149 100
167 22.9 1.3 1.9#
43 22.3 6.9 10.3#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 21

Delta R.T. 0.041 min

Lab File: BF141978.D

Acq: 17 Mar 2025 13:31

Instrument :

BNA_F

ClientSampleId :

WC1

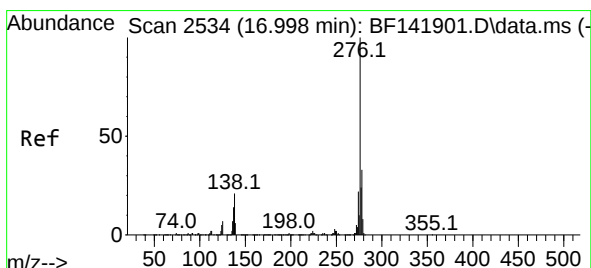
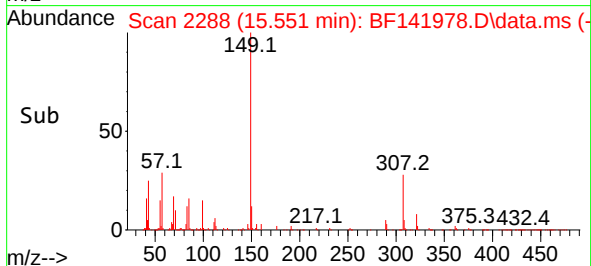
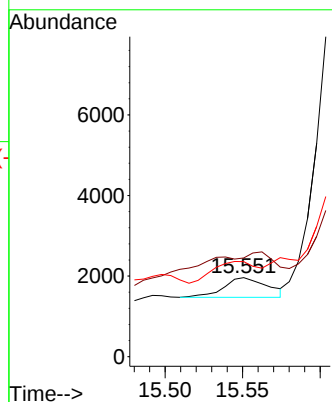
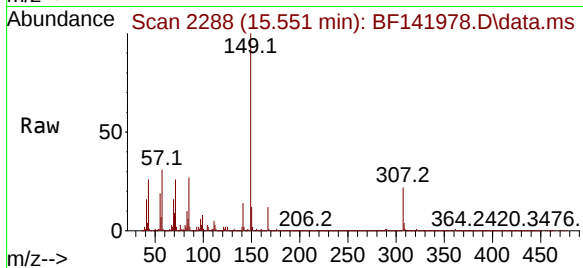
Tgt Ion:264 Resp: 947

Ion Ratio Lower Upper

264 100

260 125.0 19.1 28.7#

265 120.2 17.5 26.3#



#87

Indeno(1,2,3-cd)pyrene

Concen: 886.420 ng

RT: 17.115 min Scan# 2554

Delta R.T. 0.118 min

Lab File: BF141978.D

Acq: 17 Mar 2025 13:31

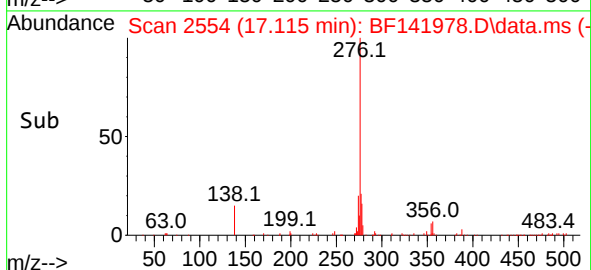
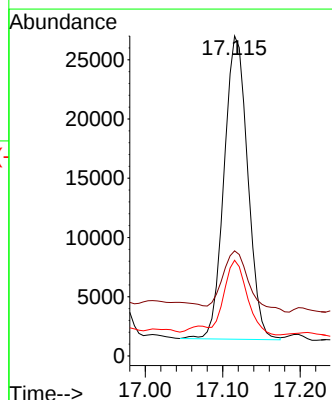
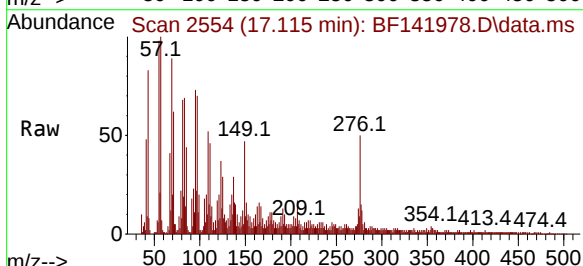
Tgt Ion:276 Resp: 54302

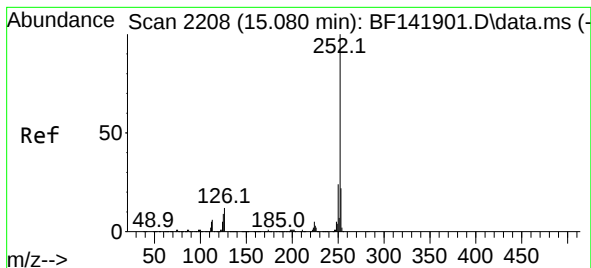
Ion Ratio Lower Upper

276 100

138 22.6 18.4 27.6

277 24.1 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 2931.330 ng

RT: 15.121 min Scan# 2215

Delta R.T. 0.041 min

Lab File: BF141978.D

Acq: 17 Mar 2025 13:31

Instrument :

BNA_F

ClientSampleId :

WC1

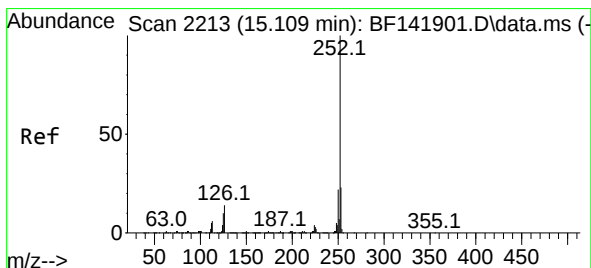
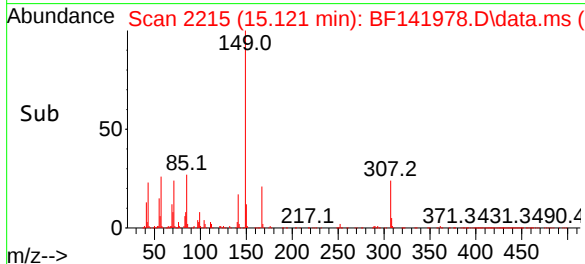
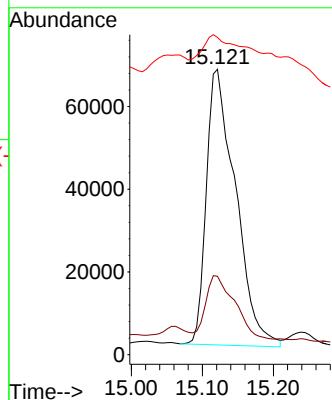
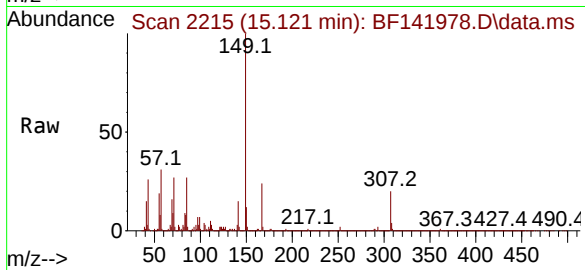
Tgt Ion:252 Resp: 190253

Ion Ratio Lower Upper

252 100

253 27.5 17.5 26.3#

125 111.1 7.0 10.4#



#89

Benzo(k)fluoranthene

Concen: 3425.363 ng

RT: 15.121 min Scan# 2215

Delta R.T. 0.012 min

Lab File: BF141978.D

Acq: 17 Mar 2025 13:31

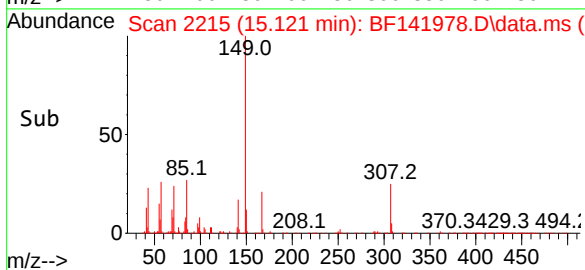
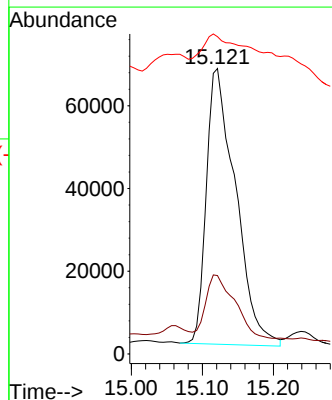
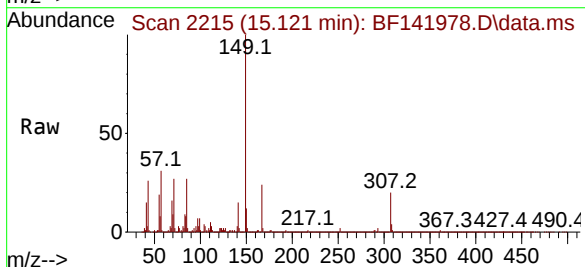
Tgt Ion:252 Resp: 190253

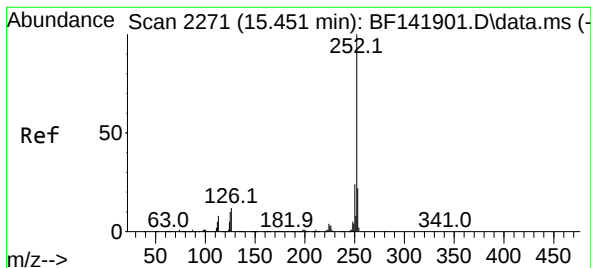
Ion Ratio Lower Upper

252 100

253 27.5 17.7 26.5#

125 111.1 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 421.960 ng

RT: 15.468 min Scan# 21429

Delta R.T. 0.018 min

Lab File: BF141978.D

Acq: 17 Mar 2025 13:31

Instrument :

BNA_F

ClientSampleId :

WC1

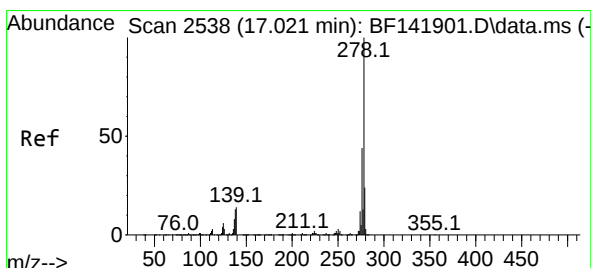
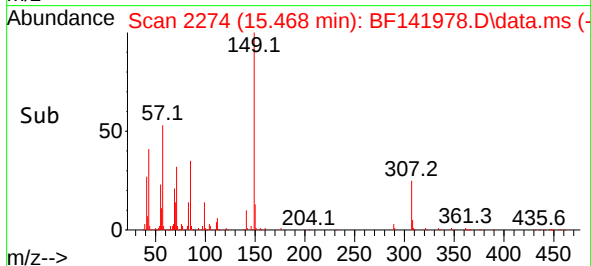
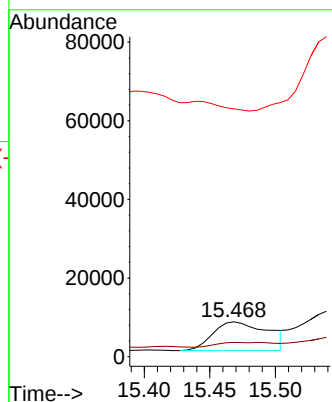
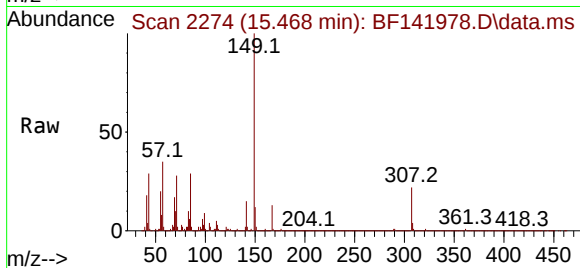
Tgt Ion:252 Resp: 21429

Ion Ratio Lower Upper

252 100

253 40.9 17.4 26.0#

125 711.8 7.8 11.8#



#91

Dibenzo(a,h)anthracene

Concen: 63.172 ng

RT: 17.062 min Scan# 2545

Delta R.T. 0.041 min

Lab File: BF141978.D

Acq: 17 Mar 2025 13:31

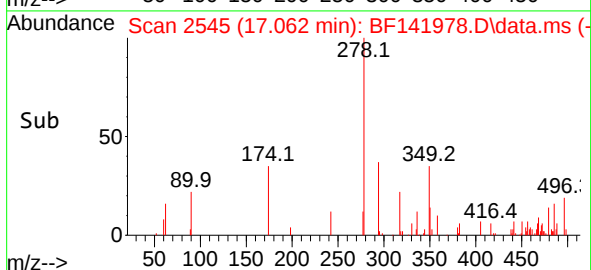
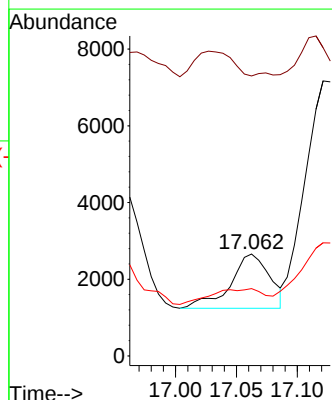
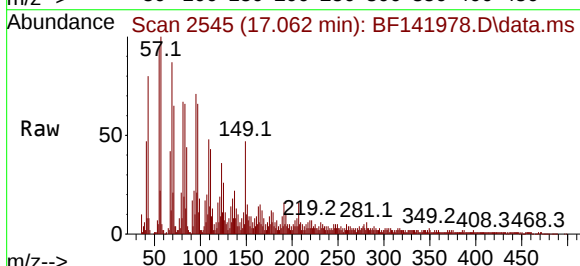
Tgt Ion:278 Resp: 3193

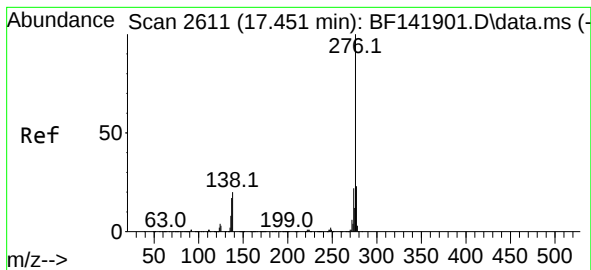
Ion Ratio Lower Upper

278 100

139 274.8 11.4 17.2#

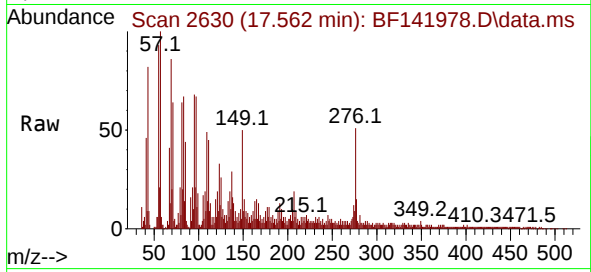
279 66.1 18.8 28.2#





#92
 Benzo(g,h,i)perylene
 Concen: 1042.245 ng
 RT: 17.562 min Scan# 20
 Delta R.T. 0.112 min
 Lab File: BF141978.D
 Acq: 17 Mar 2025 13:31

Instrument :
 BNA_F
 ClientSampleId :
 WC1



Tgt Ion:	276	Resp:	52058
Ion Ratio	Lower	Upper	
276	100		
277	29.7	18.7	28.1#
138	30.8	15.8	23.8#

