

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071124\
 Data File : BF138533.D
 Acq On : 11 Jul 2024 20:21
 Operator : CG\JU
 Sample : P3187-05
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-2

Quant Time: Jul 12 01:14:16 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 09 16:58:40 2024
 Response via : Initial Calibration

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

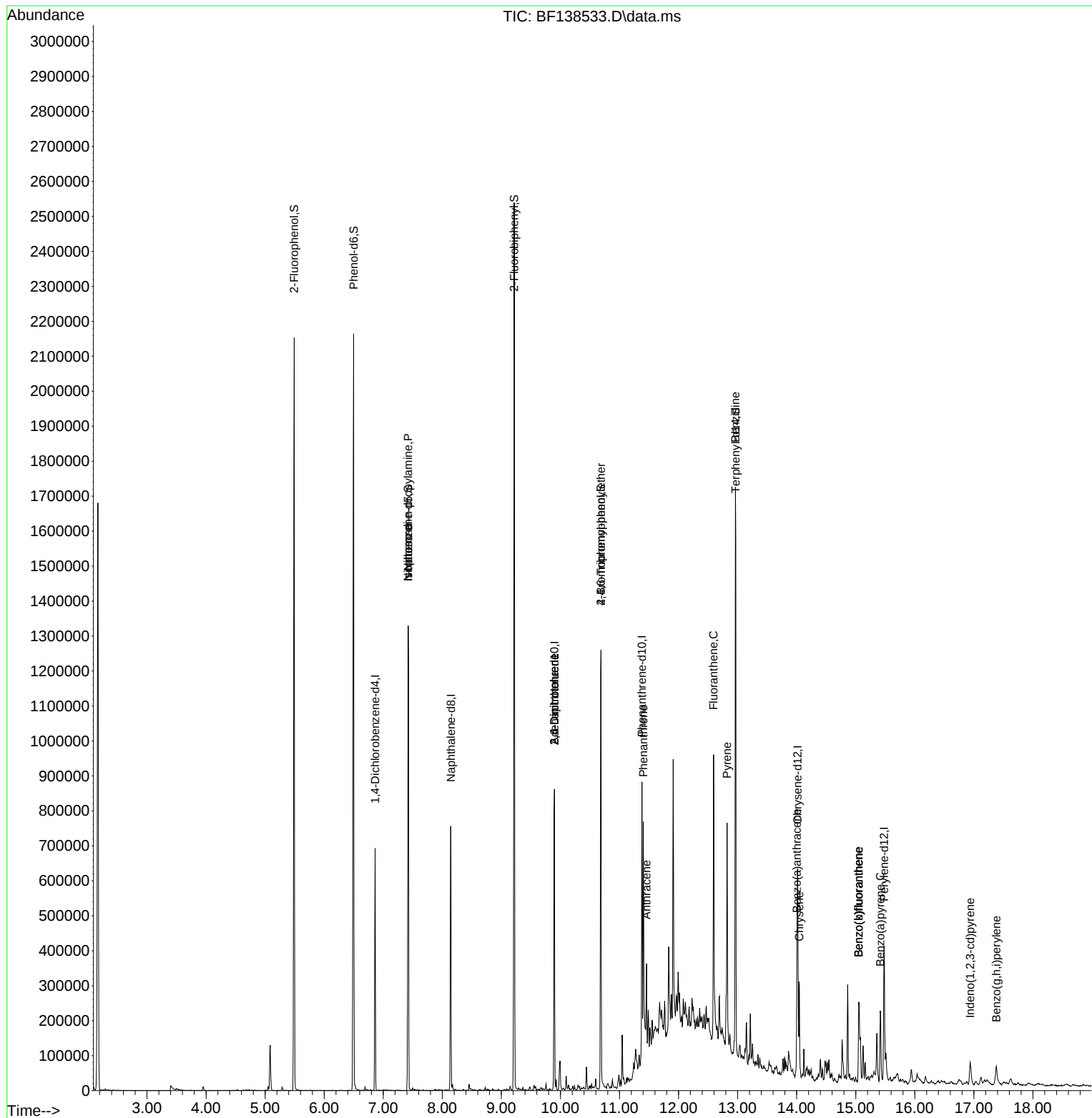
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	84640	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	329907	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	176605	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	252020	20.000	ng	0.00
76) Chrysene-d12	14.015	240	150582	20.000	ng	-0.01
86) Perylene-d12	15.480	264	175035	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	491067	91.887	ng	0.00
7) Phenol-d6	6.498	99	655401	92.187	ng	0.00
23) Nitrobenzene-d5	7.422	82	428171	63.722	ng	-0.01
42) 2,4,6-Tribromophenol	10.686	330	136502	82.701	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	753275	66.663	ng	-0.01
79) Terphenyl-d14	12.969	244	550627	59.571	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	57713	13.138	ng	# 75
25) Isophorone	7.422	82	428166	37.105	ng	# 67
51) 2,6-Dinitrotoluene	9.898	165	22606	8.598	ng	# 24
57) 2,4-Dinitrotoluene	9.898	165	22606	6.645	ng	# 19
67) 4-Bromophenyl-phenylether	10.686	248	9501	3.668	ng	# 1
71) Phenanthrene	11.404	178	215638	16.936	ng	99
72) Anthracene	11.457	178	70817	5.603	ng	98
75) Fluoranthene	12.592	202	289408	22.276	ng	98
77) Benzidine	12.963	184	7709	2.029	ng	# 89
78) Pyrene	12.821	202	240463	15.731	ng	99
81) Benzo(a)anthracene	14.004	228	125372	12.408	ng	100
83) Chrysene	14.045	228	105990	11.089	ng	97
87) Indeno(1,2,3-cd)pyrene	16.939	276	42806	3.641	ng	96
88) Benzo(b)fluoranthene	15.051	252	178568	18.115	ng	100
89) Benzo(k)fluoranthene	15.051	252	178568	18.574	ng	99
90) Benzo(a)pyrene	15.415	252	96712	11.168	ng	99
92) Benzo(g,h,i)perylene	17.380	276	37112	3.639	ng	# 91

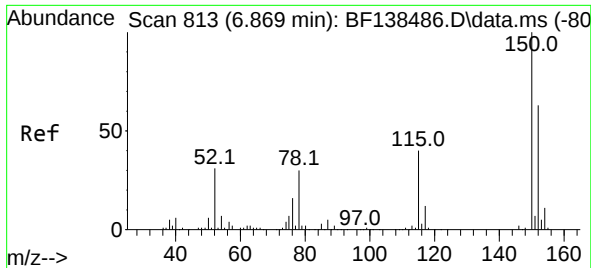
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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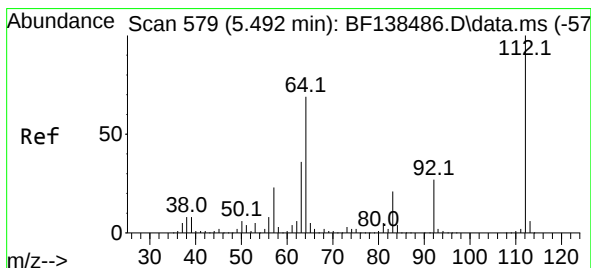
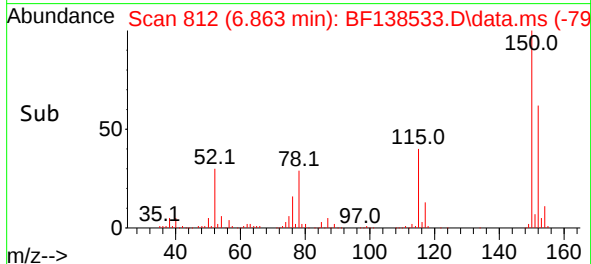
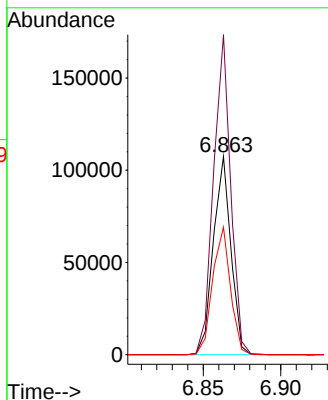
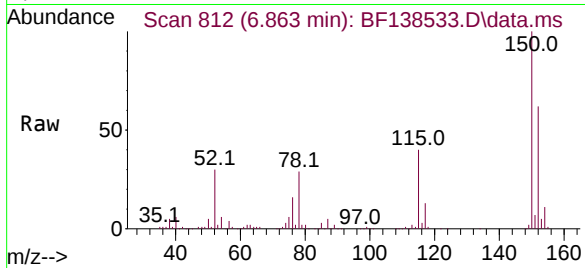




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF138533.D
Acq: 11 Jul 2024 20:21

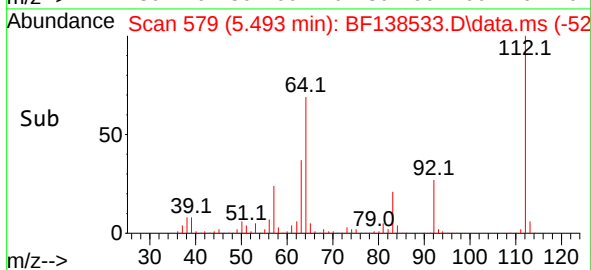
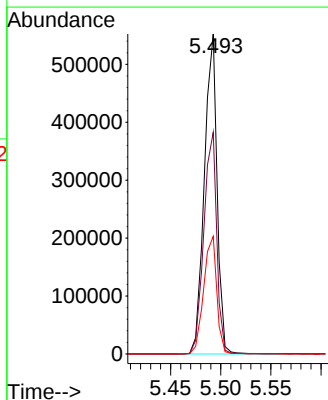
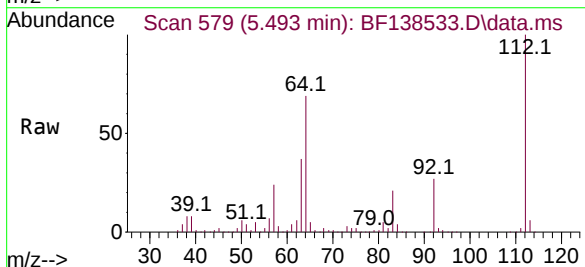
Instrument :
BNA_F
ClientSampleId :
WC-2

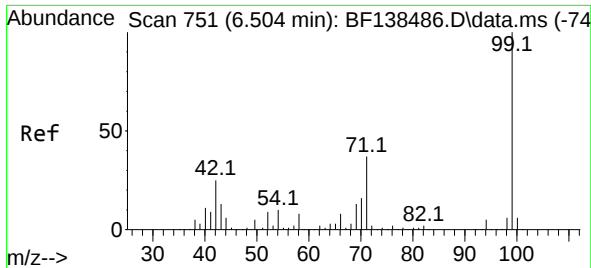
Tgt Ion:152 Resp: 84640
Ion Ratio Lower Upper
152 100
150 161.5 126.2 189.4
115 64.3 50.3 75.5



#5
2-Fluorophenol
Concen: 91.887 ng
RT: 5.493 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF138533.D
Acq: 11 Jul 2024 20:21

Tgt Ion:112 Resp: 491067
Ion Ratio Lower Upper
112 100
64 69.3 55.1 82.7
63 36.8 29.0 43.6

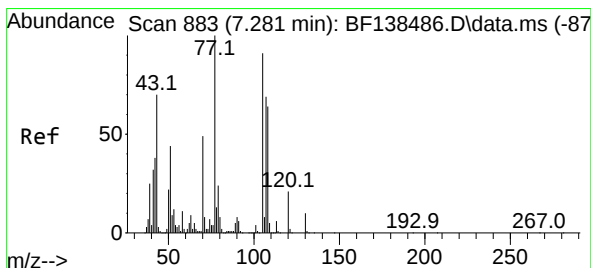
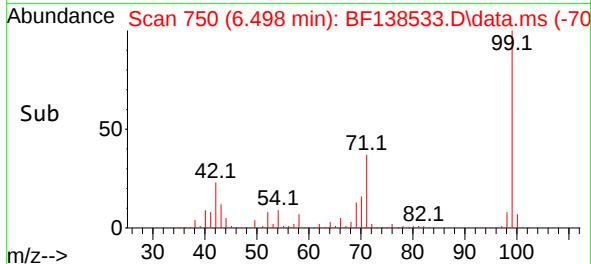
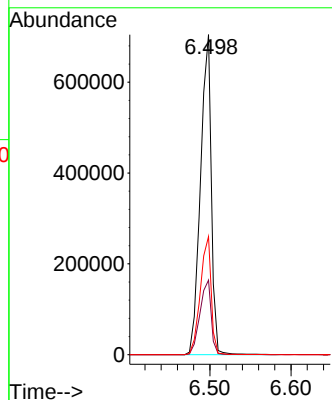
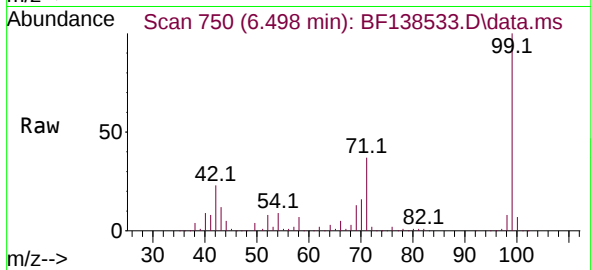




#7
Phenol-d6
Concen: 92.187 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF138533.D
Acq: 11 Jul 2024 20:21

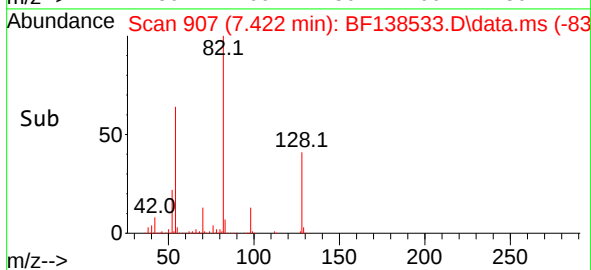
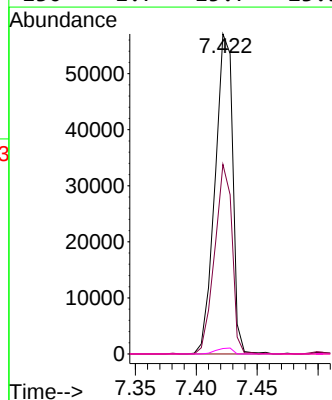
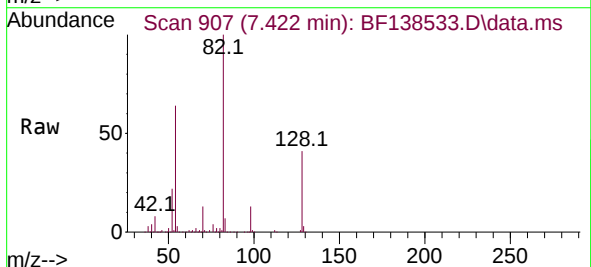
Instrument :
BNA_F
ClientSampleId :
WC-2

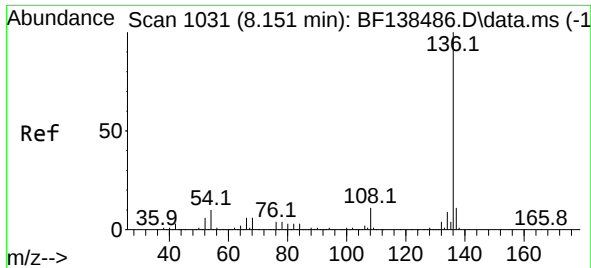
Tgt Ion: 99 Resp: 655401
Ion Ratio Lower Upper
99 100
42 23.3 19.7 29.5
71 36.9 29.9 44.9



#19
n-Nitroso-di-n-propylamine
Concen: 13.138 ng
RT: 7.422 min Scan# 907
Delta R.T. 0.141 min
Lab File: BF138533.D
Acq: 11 Jul 2024 20:21

Tgt Ion: 70 Resp: 57713
Ion Ratio Lower Upper
70 100
42 59.3 62.4 93.6#
101 0.0 7.2 10.8#
130 1.7 15.7 23.5#

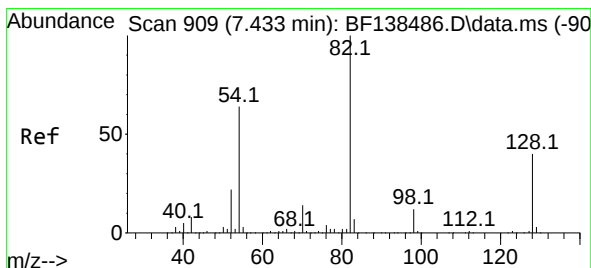
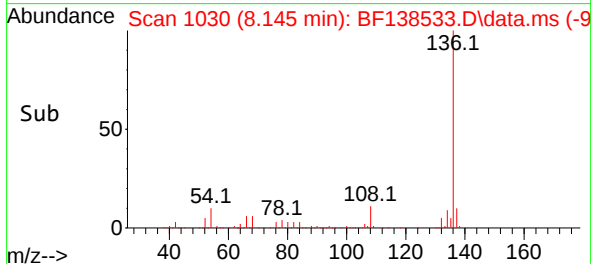
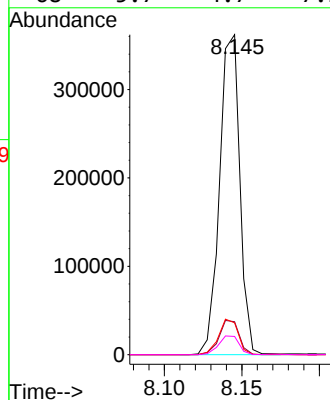
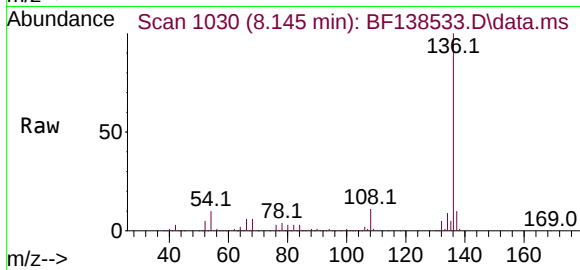




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF138533.D
Acq: 11 Jul 2024 20:21

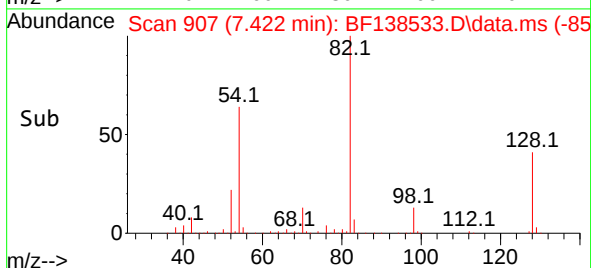
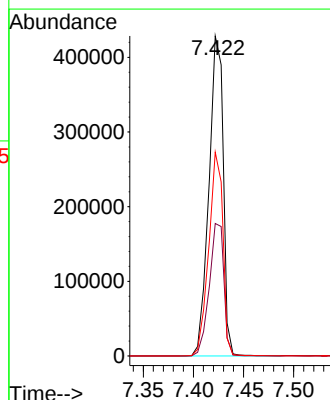
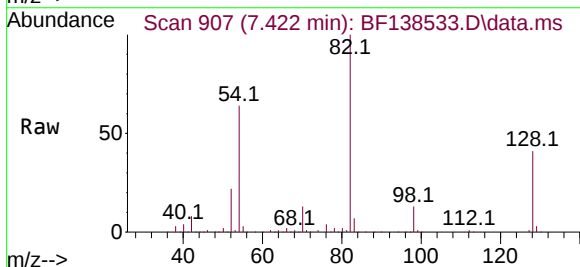
Instrument :
BNA_F
ClientSampleId :
WC-2

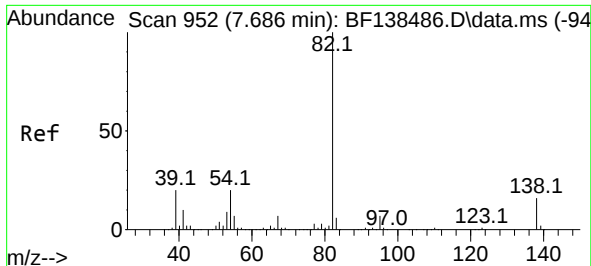
Tgt Ion:	136	Resp:	329907
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.5	12.7
54	9.9	8.1	12.1
68	5.7	4.7	7.1



#23
Nitrobenzene-d5
Concen: 63.722 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.012 min
Lab File: BF138533.D
Acq: 11 Jul 2024 20:21

Tgt Ion:	82	Resp:	428171
Ion	Ratio	Lower	Upper
82	100		
128	41.4	32.3	48.5
54	63.7	51.4	77.0

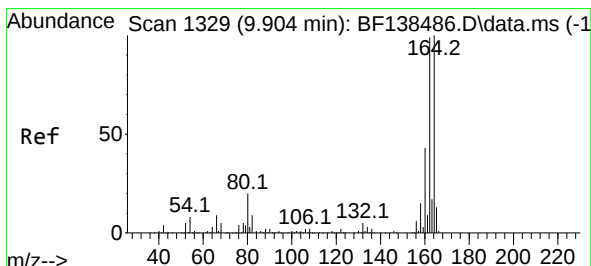
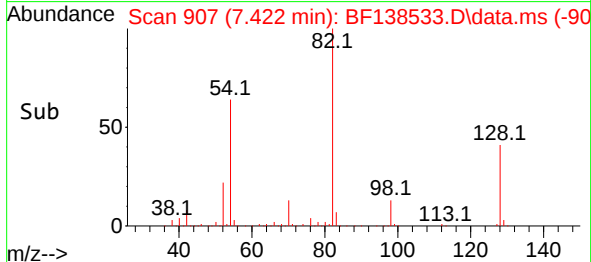
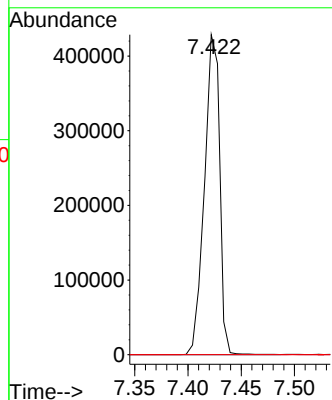
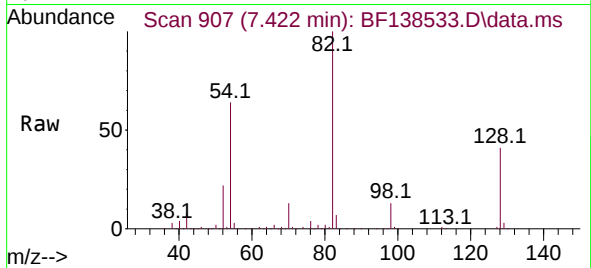




#25
Isophorone
Concen: 37.105 ng
RT: 7.422 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF138533.D
Acq: 11 Jul 2024 20:21

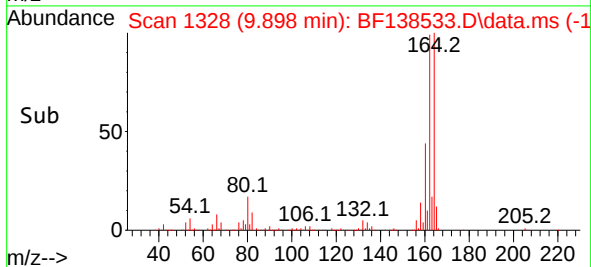
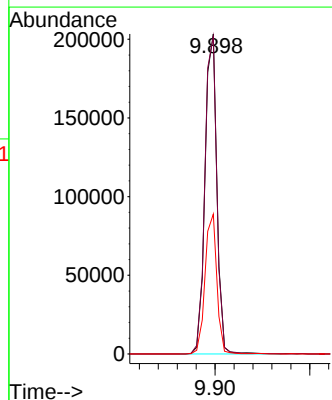
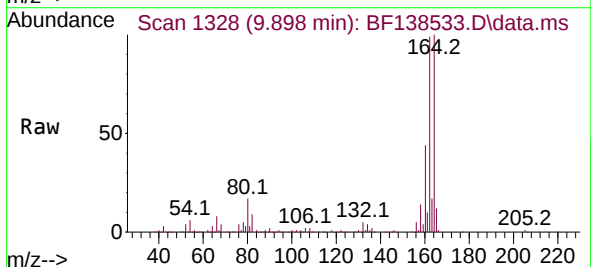
Instrument :
BNA_F
ClientSampleId :
WC-2

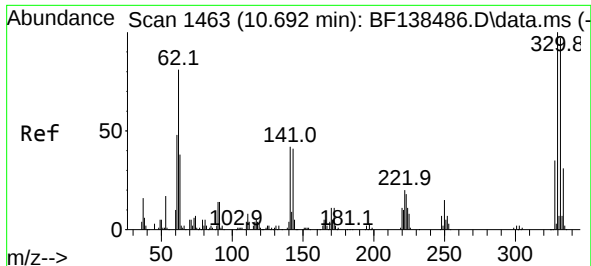
Tgt Ion: 82 Resp: 428166
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 12.8 19.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF138533.D
Acq: 11 Jul 2024 20:21

Tgt Ion:164 Resp: 176605
Ion Ratio Lower Upper
164 100
162 99.2 79.0 118.6
160 43.7 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 82.701 ng

RT: 10.686 min Scan# 1462

Delta R.T. -0.006 min

Lab File: BF138533.D

Acq: 11 Jul 2024 20:21

Instrument :

BNA_F

ClientSampleId :

WC-2

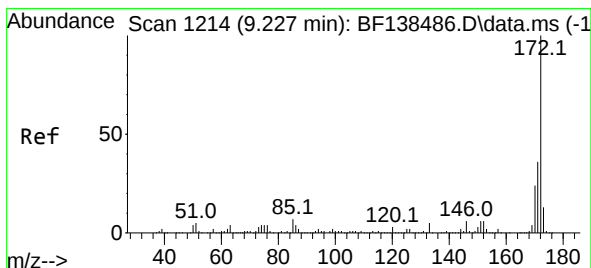
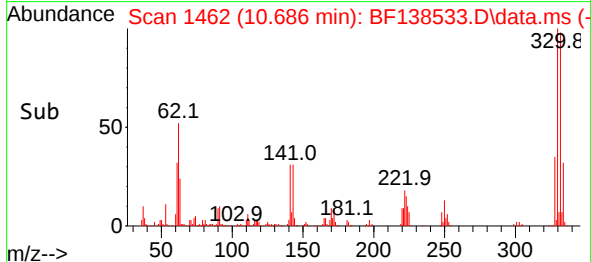
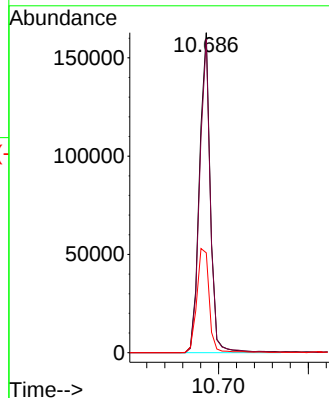
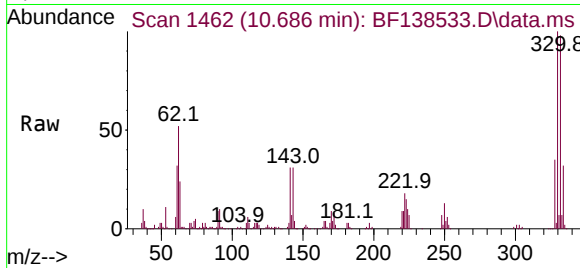
Tgt Ion:330 Resp: 136502

Ion Ratio Lower Upper

330 100

332 97.1 76.8 115.2

141 37.4 29.4 44.2



#45

2-Fluorobiphenyl

Concen: 66.663 ng

RT: 9.216 min Scan# 1212

Delta R.T. -0.012 min

Lab File: BF138533.D

Acq: 11 Jul 2024 20:21

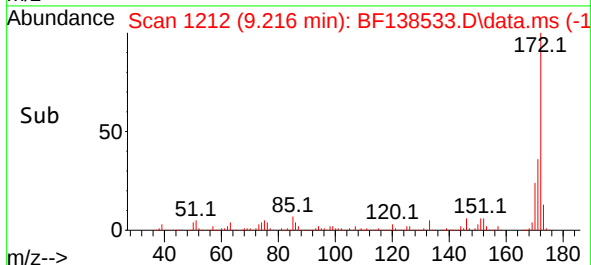
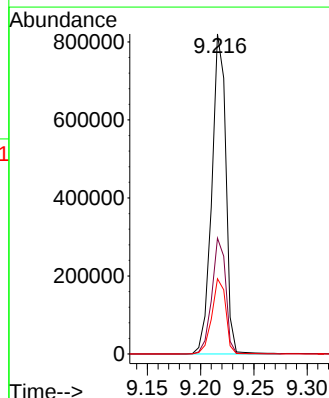
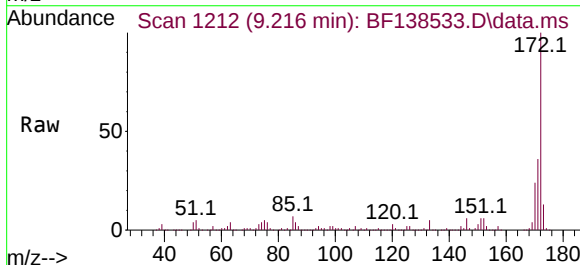
Tgt Ion:172 Resp: 753275

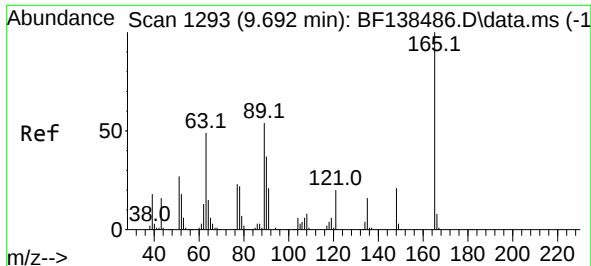
Ion Ratio Lower Upper

172 100

171 36.2 28.9 43.3

170 23.5 18.9 28.3

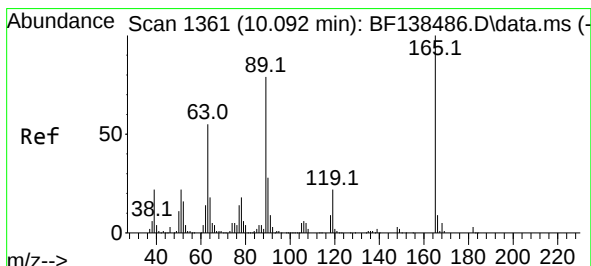
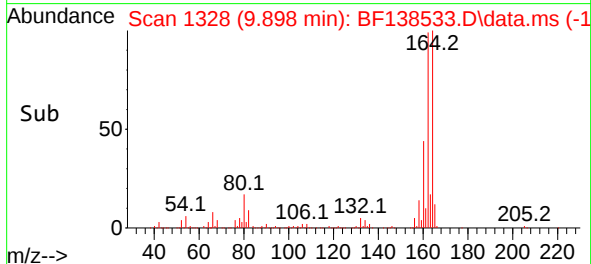
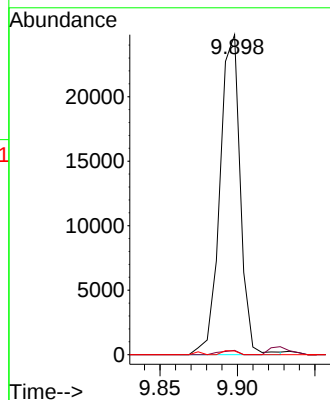
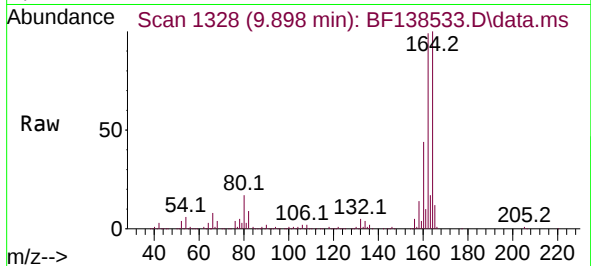




#51
2,6-Dinitrotoluene
Concen: 8.598 ng
RT: 9.898 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF138533.D
Acq: 11 Jul 2024 20:21

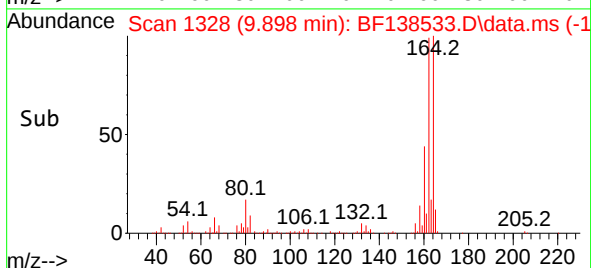
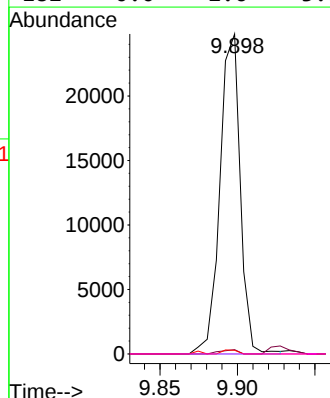
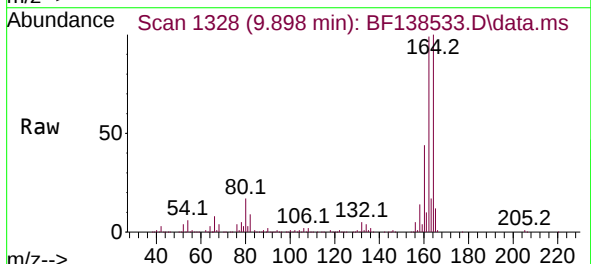
Instrument :
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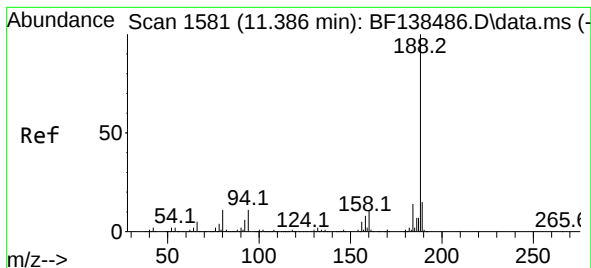
Tgt Ion:165 Resp: 22606
Ion Ratio Lower Upper
165 100
63 1.3 48.1 72.1#
89 1.1 43.0 64.6#



#57
2,4-Dinitrotoluene
Concen: 6.645 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.194 min
Lab File: BF138533.D
Acq: 11 Jul 2024 20:21

Tgt Ion:165 Resp: 22606
Ion Ratio Lower Upper
165 100
63 1.3 44.6 66.8#
89 1.1 63.4 95.2#
182 0.0 2.6 3.8#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.380 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138533.D

Acq: 11 Jul 2024 20:21

Instrument :

BNA_F

ClientSampleId :

WC-2

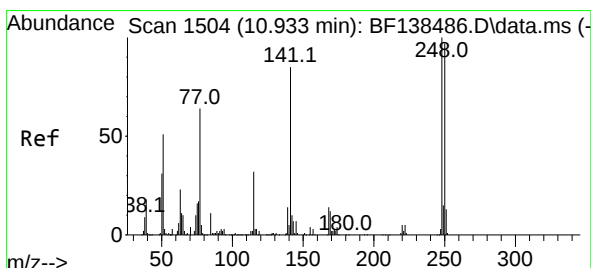
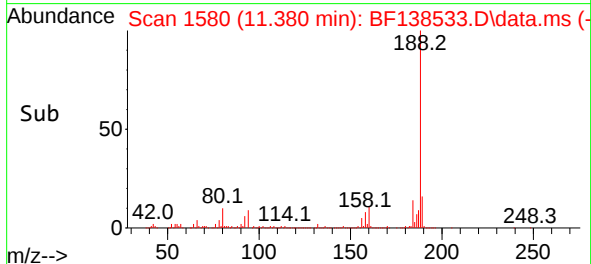
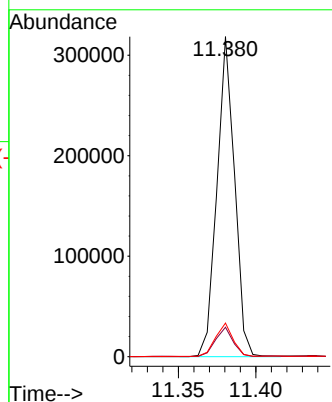
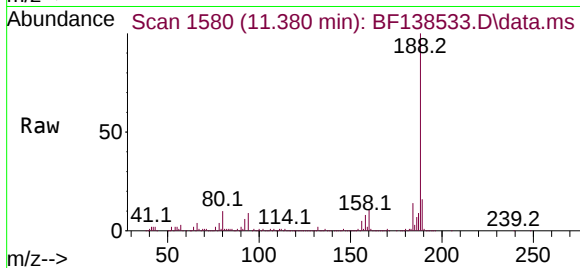
Tgt Ion:188 Resp: 252020

Ion Ratio Lower Upper

188 100

94 9.2 8.7 13.1

80 10.5 9.0 13.4



#67

4-Bromophenyl-phenylether

Concen: 3.668 ng

RT: 10.686 min Scan# 1462

Delta R.T. -0.247 min

Lab File: BF138533.D

Acq: 11 Jul 2024 20:21

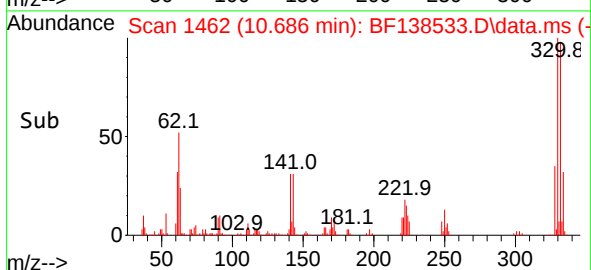
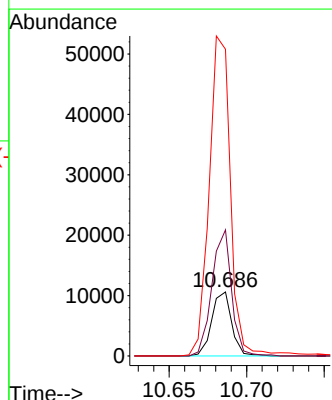
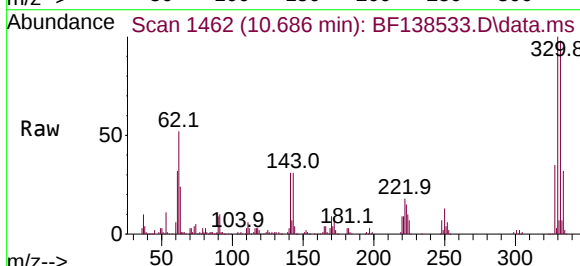
Tgt Ion:248 Resp: 9501

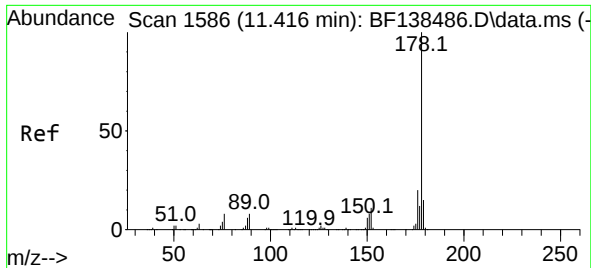
Ion Ratio Lower Upper

248 100

250 197.0 77.9 116.9#

141 479.0 67.7 101.5#

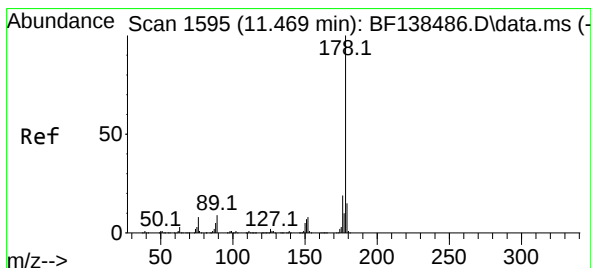
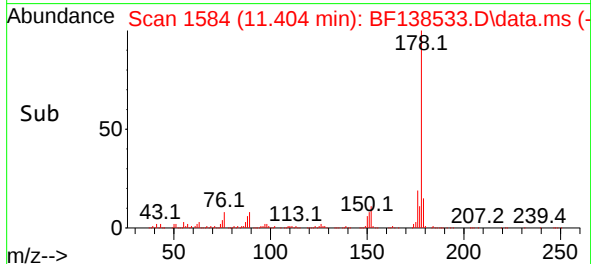
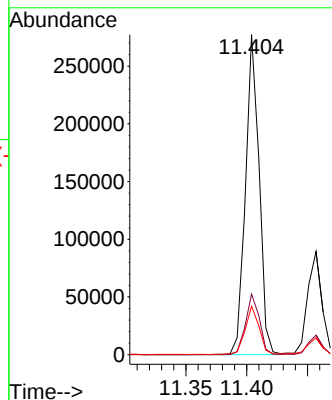
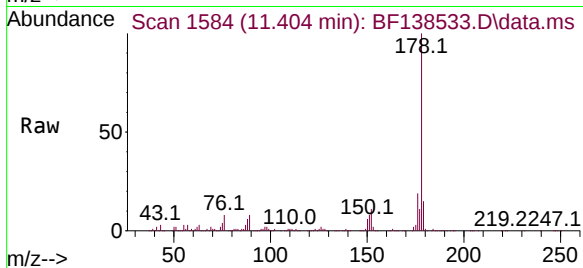




#71
Phenanthrene
Concen: 16.936 ng
RT: 11.404 min Scan# 1586
Delta R.T. -0.012 min
Lab File: BF138533.D
Acq: 11 Jul 2024 20:21

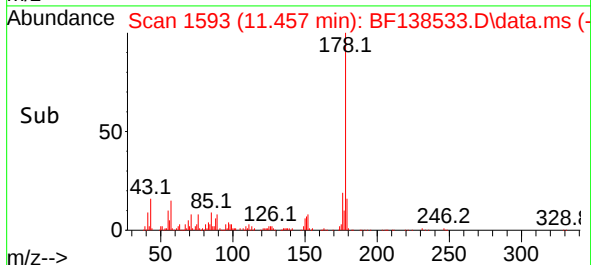
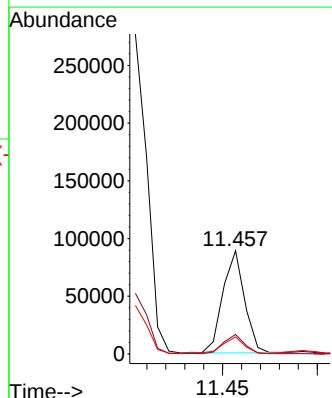
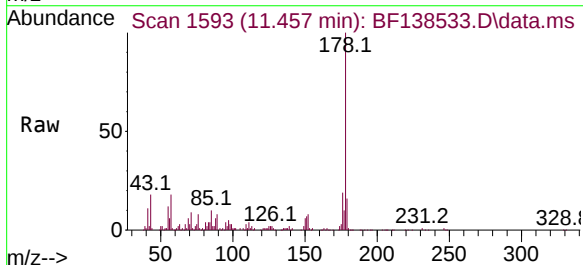
Instrument :
BNA_F
ClientSampleId :
WC-2

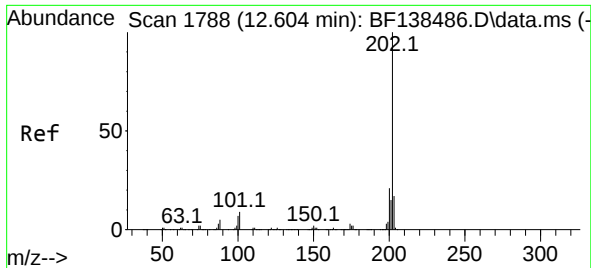
Tgt Ion:178 Resp: 215638
Ion Ratio Lower Upper
178 100
176 19.0 15.7 23.5
179 15.2 12.2 18.2



#72
Anthracene
Concen: 5.603 ng
RT: 11.457 min Scan# 1593
Delta R.T. -0.012 min
Lab File: BF138533.D
Acq: 11 Jul 2024 20:21

Tgt Ion:178 Resp: 70817
Ion Ratio Lower Upper
178 100
176 19.0 14.8 22.2
179 16.5 12.2 18.4

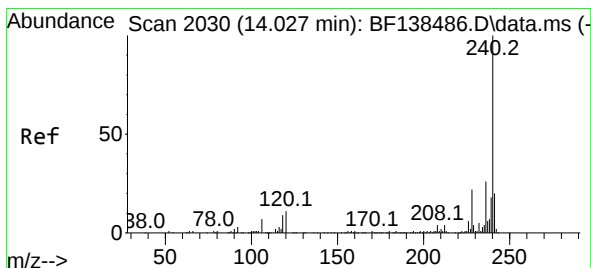
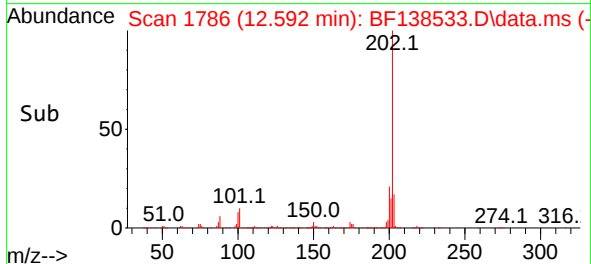
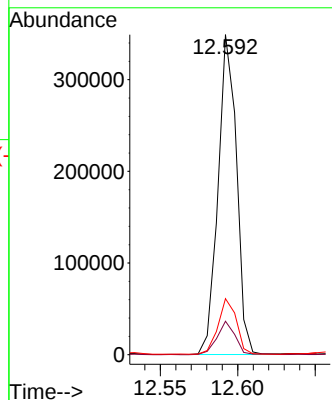
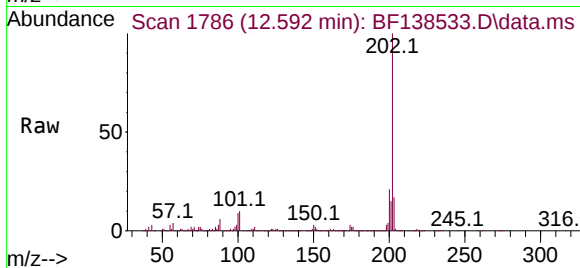




#75
Fluoranthene
Concen: 22.276 ng
RT: 12.592 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF138533.D
Acq: 11 Jul 2024 20:21

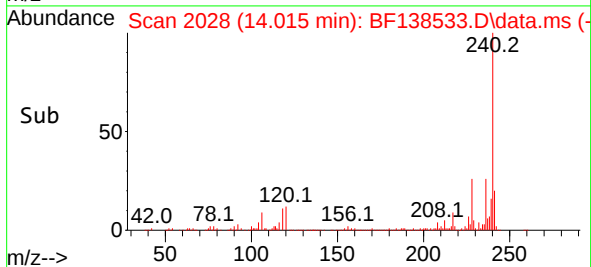
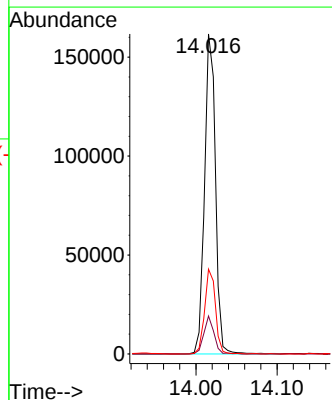
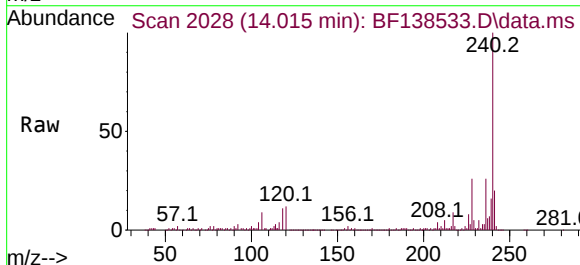
Instrument :
BNA_F
ClientSampleId :
WC-2

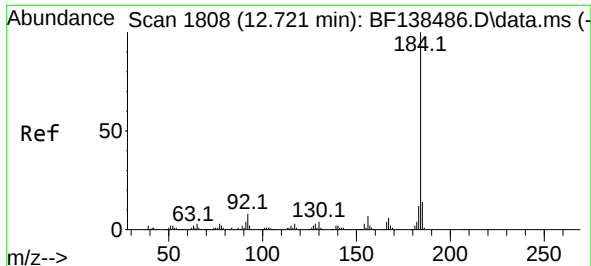
Tgt Ion:202 Resp: 289408
Ion Ratio Lower Upper
202 100
101 10.5 0.0 29.2
203 17.5 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.015 min Scan# 2028
Delta R.T. -0.012 min
Lab File: BF138533.D
Acq: 11 Jul 2024 20:21

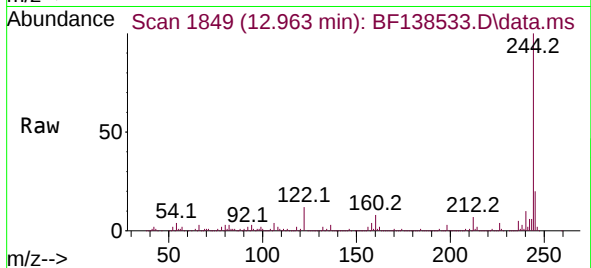
Tgt Ion:240 Resp: 150582
Ion Ratio Lower Upper
240 100
120 11.9 8.6 12.8
236 26.5 21.0 31.6



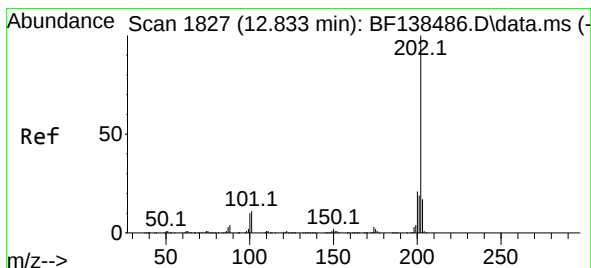
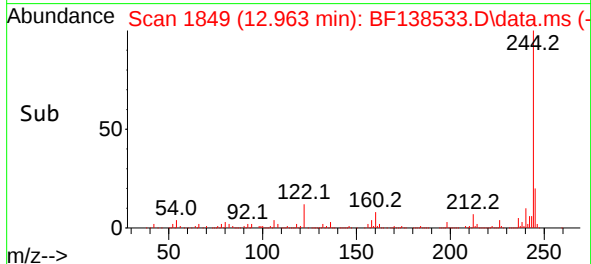
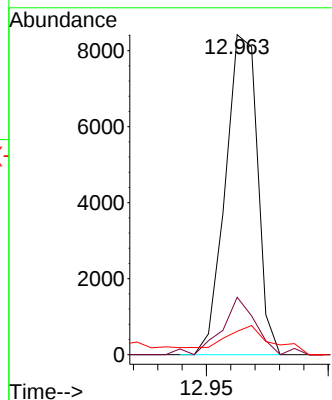


#77
Benzidine
Concen: 2.029 ng
RT: 12.963 min Scan# 1849
Delta R.T. 0.242 min
Lab File: BF138533.D
Acq: 11 Jul 2024 20:21

Instrument :
BNA_F
ClientSampleId :
WC-2

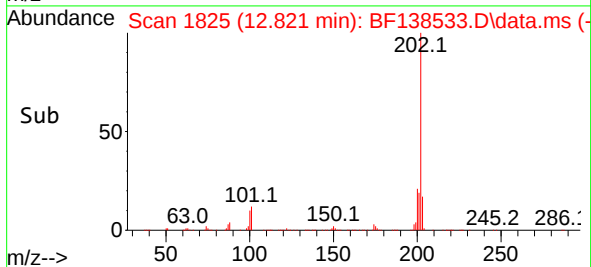
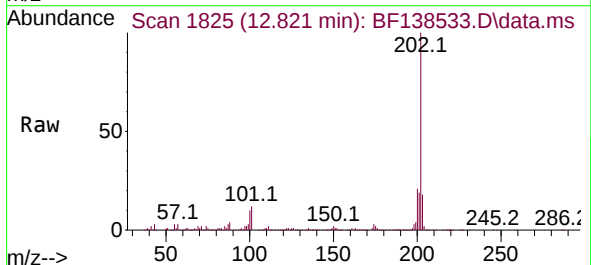
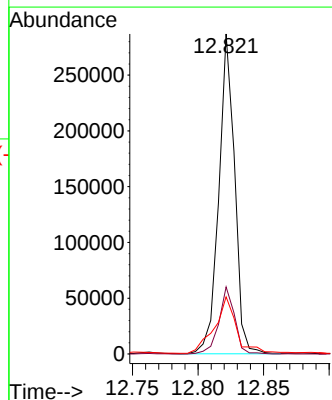


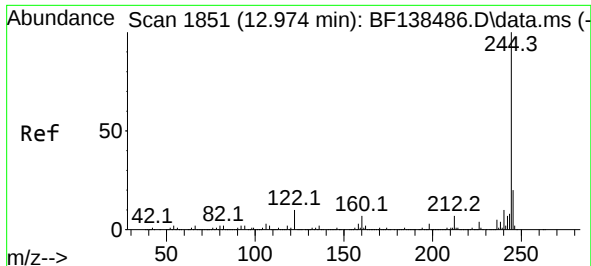
Tgt Ion:184 Resp: 7709
Ion Ratio Lower Upper
184 100
185 17.9 11.3 16.9#
183 7.3 9.5 14.3#



#78
Pyrene
Concen: 15.731 ng
RT: 12.821 min Scan# 1825
Delta R.T. -0.012 min
Lab File: BF138533.D
Acq: 11 Jul 2024 20:21

Tgt Ion:202 Resp: 240463
Ion Ratio Lower Upper
202 100
200 20.9 17.0 25.6
203 17.9 13.7 20.5

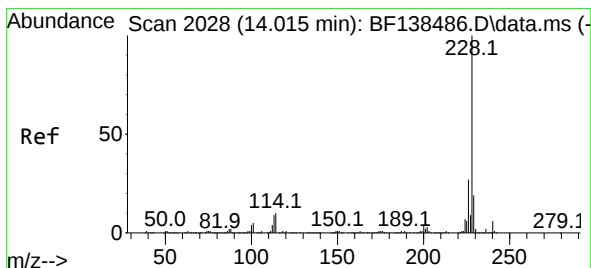
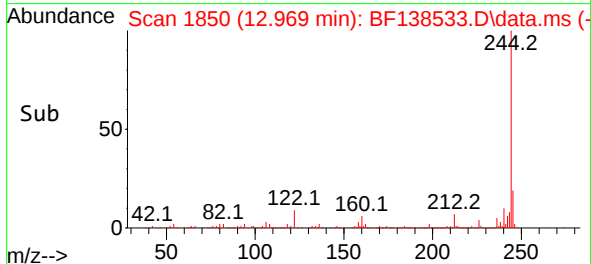
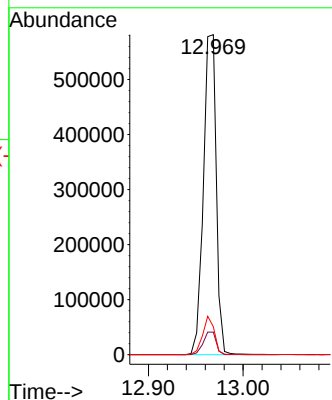
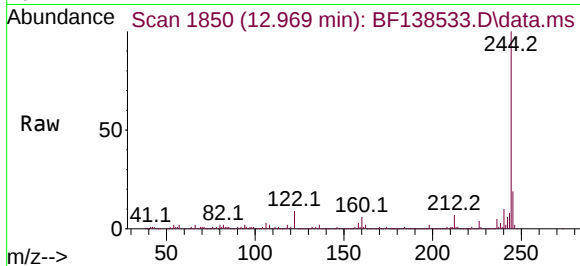




#79
 Terphenyl-d14
 Concen: 59.571 ng
 RT: 12.969 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF138533.D
 Acq: 11 Jul 2024 20:21

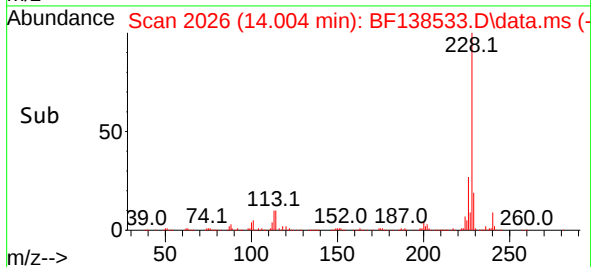
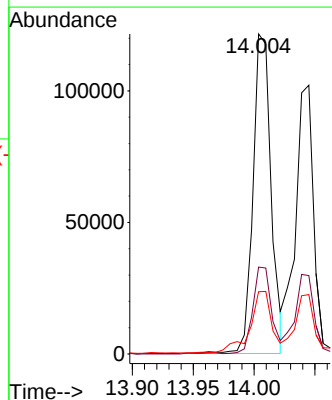
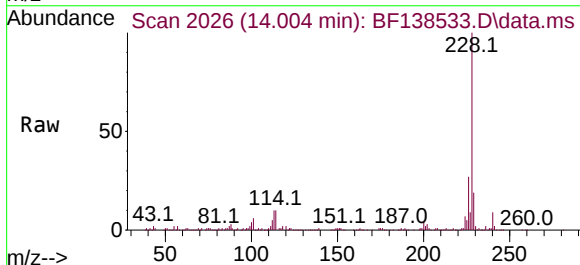
Instrument :
 BNA_F
 ClientSampleId :
 WC-2

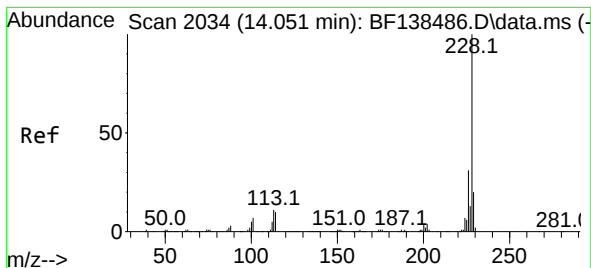
Tgt Ion:244 Resp: 550627
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.5 8.3
 122 8.7 7.8 11.8



#81
 Benzo(a)anthracene
 Concen: 12.408 ng
 RT: 14.004 min Scan# 2026
 Delta R.T. -0.012 min
 Lab File: BF138533.D
 Acq: 11 Jul 2024 20:21

Tgt Ion:228 Resp: 125372
 Ion Ratio Lower Upper
 228 100
 226 27.2 21.9 32.9
 229 19.5 15.5 23.3





#83

Chrysene

Concen: 11.089 ng

RT: 14.045 min Scan# 2034

Delta R.T. -0.006 min

Lab File: BF138533.D

Acq: 11 Jul 2024 20:21

Instrument :

BNA_F

ClientSampleId :

WC-2

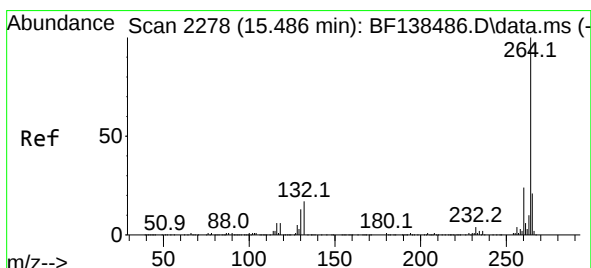
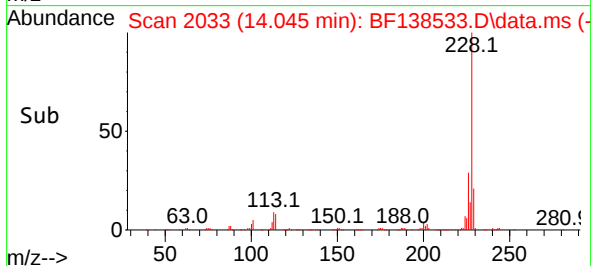
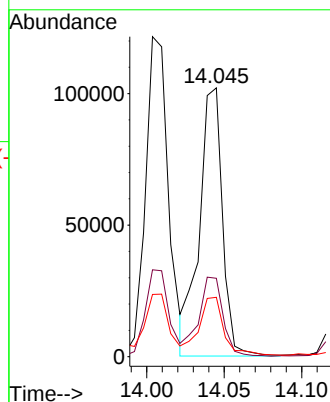
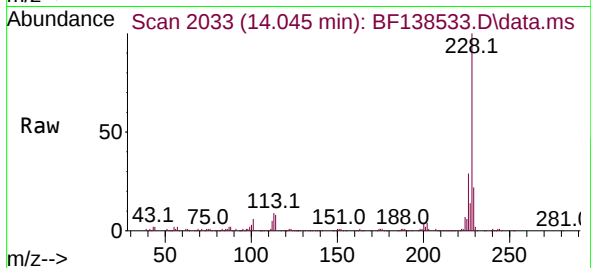
Tgt Ion:228 Resp: 105990

Ion Ratio Lower Upper

228 100

226 29.2 24.4 36.6

229 22.1 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.480 min Scan# 2277

Delta R.T. -0.006 min

Lab File: BF138533.D

Acq: 11 Jul 2024 20:21

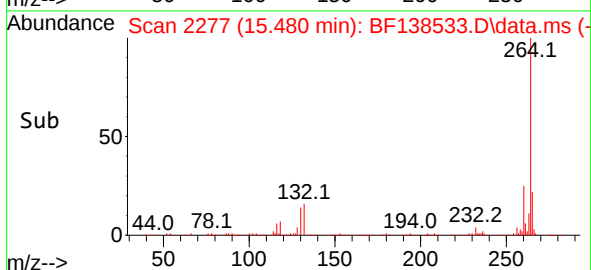
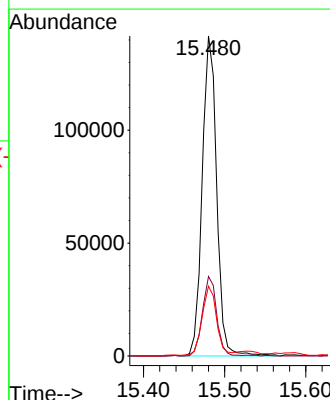
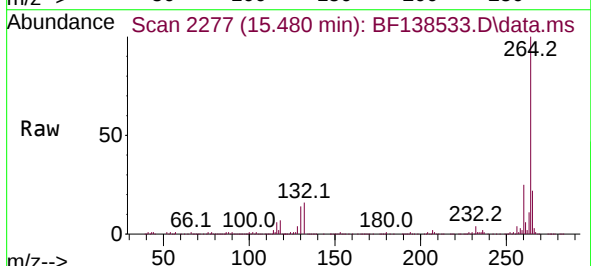
Tgt Ion:264 Resp: 175035

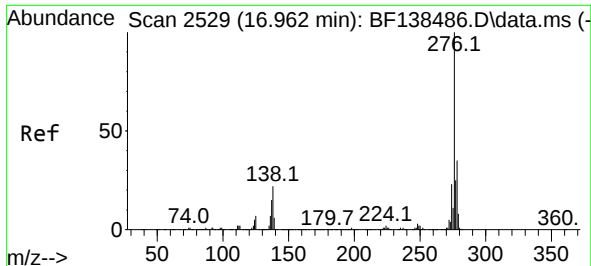
Ion Ratio Lower Upper

264 100

260 24.9 19.0 28.6

265 21.8 17.0 25.4

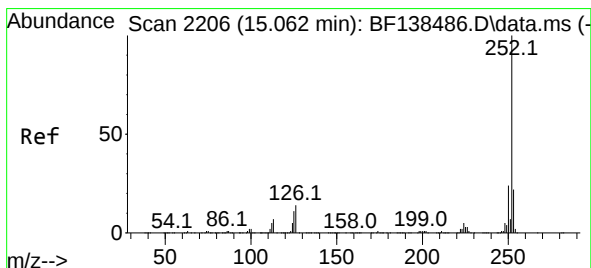
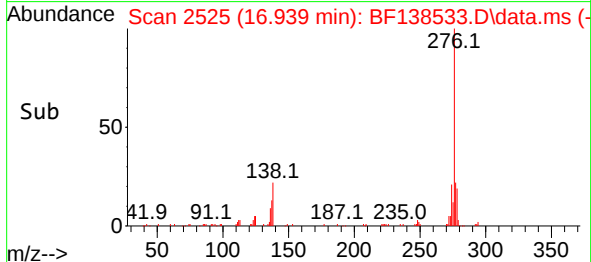
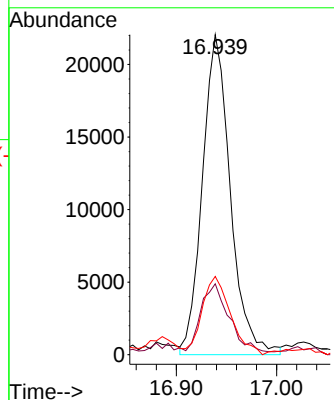
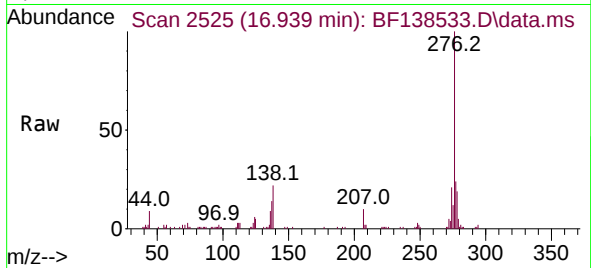




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.641 ng
 RT: 16.939 min Scan# 21
 Delta R.T. -0.023 min
 Lab File: BF138533.D
 Acq: 11 Jul 2024 20:21

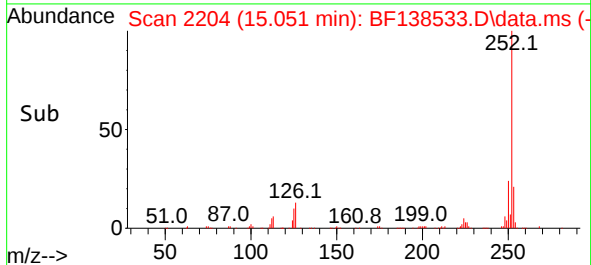
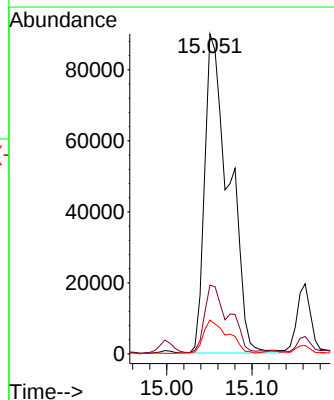
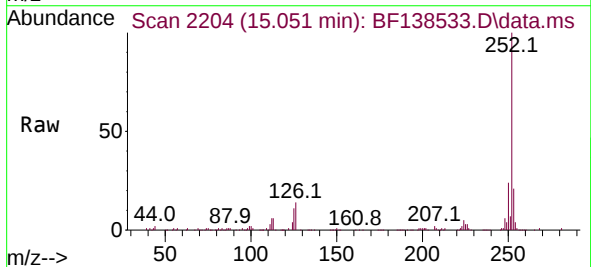
Instrument :
 BNA_F
 ClientSampleId :
 WC-2

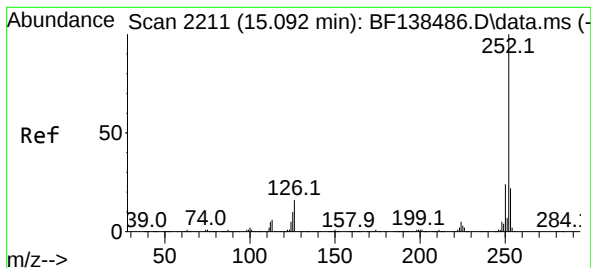
Tgt Ion:276 Resp: 42806
 Ion Ratio Lower Upper
 276 100
 138 21.7 19.6 29.4
 277 24.7 20.5 30.7



#88
 Benzo(b)fluoranthene
 Concen: 18.115 ng
 RT: 15.051 min Scan# 2204
 Delta R.T. -0.012 min
 Lab File: BF138533.D
 Acq: 11 Jul 2024 20:21

Tgt Ion:252 Resp: 178568
 Ion Ratio Lower Upper
 252 100
 253 21.5 17.3 25.9
 125 10.6 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 18.574 ng

RT: 15.051 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF138533.D

Acq: 11 Jul 2024 20:21

Instrument :

BNA_F

ClientSampleId :

WC-2

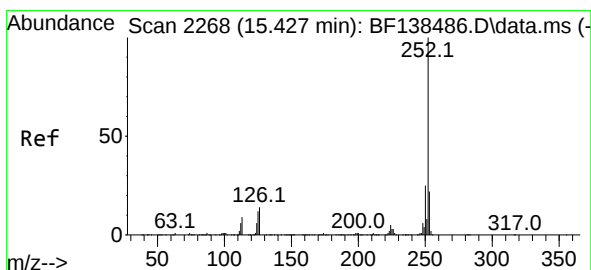
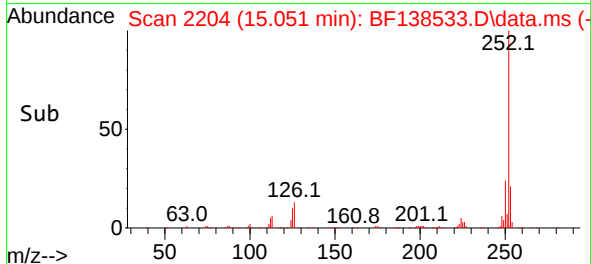
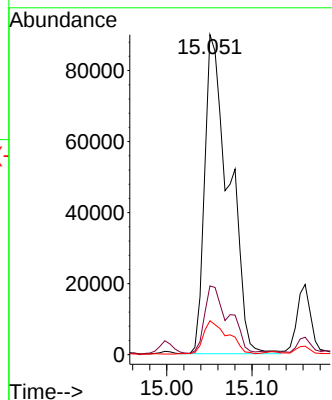
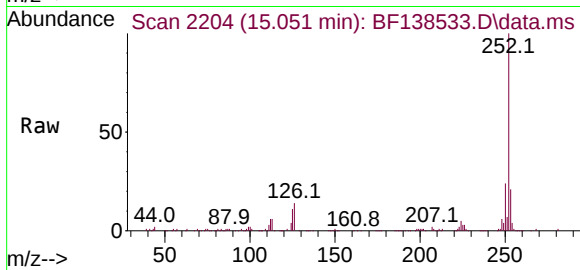
Tgt Ion:252 Resp: 178568

Ion Ratio Lower Upper

252 100

253 21.5 17.7 26.5

125 10.6 8.1 12.1



#90

Benzo(a)pyrene

Concen: 11.168 ng

RT: 15.415 min Scan# 2266

Delta R.T. -0.012 min

Lab File: BF138533.D

Acq: 11 Jul 2024 20:21

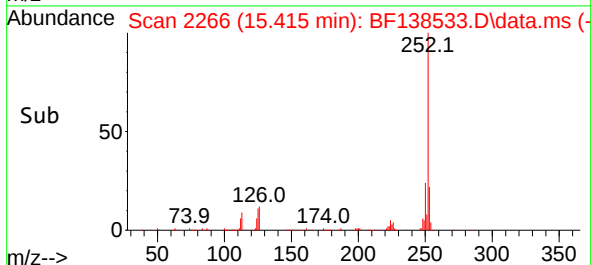
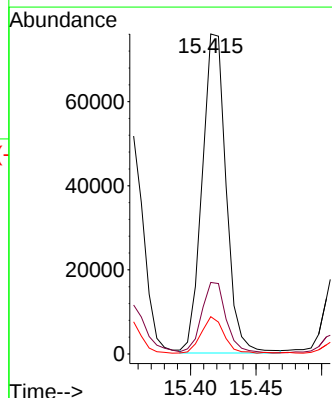
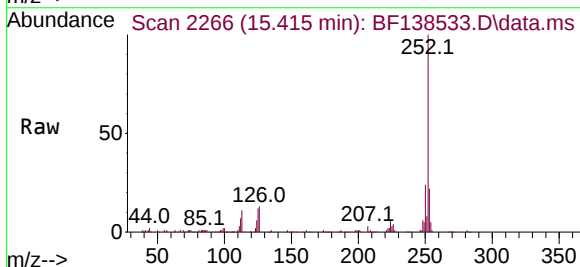
Tgt Ion:252 Resp: 96712

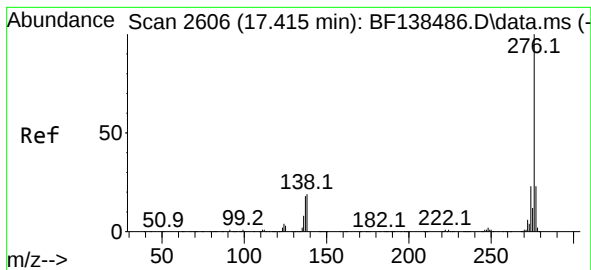
Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.0

125 11.6 9.4 14.2





#92

Benzo(g,h,i)perylene

Concen: 3.639 ng

RT: 17.380 min Scan# 20

Delta R.T. -0.035 min

Lab File: BF138533.D

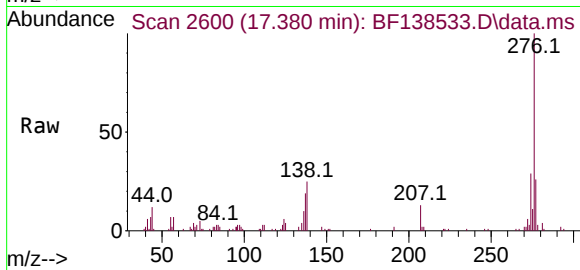
Acq: 11 Jul 2024 20:21

Instrument :

BNA_F

ClientSampleId :

WC-2



Tgt Ion:276 Resp: 37112

Ion Ratio Lower Upper

276 100

277 25.8 18.0 27.0

138 24.9 15.5 23.3#

