

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121523\
 Data File : BF136591.D
 Acq On : 15 Dec 2023 14:17
 Operator : CG\JU
 Sample : 05769-01 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Dec 15 14:59:31 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 15 00:33:23 2023
 Response via : Initial Calibration

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

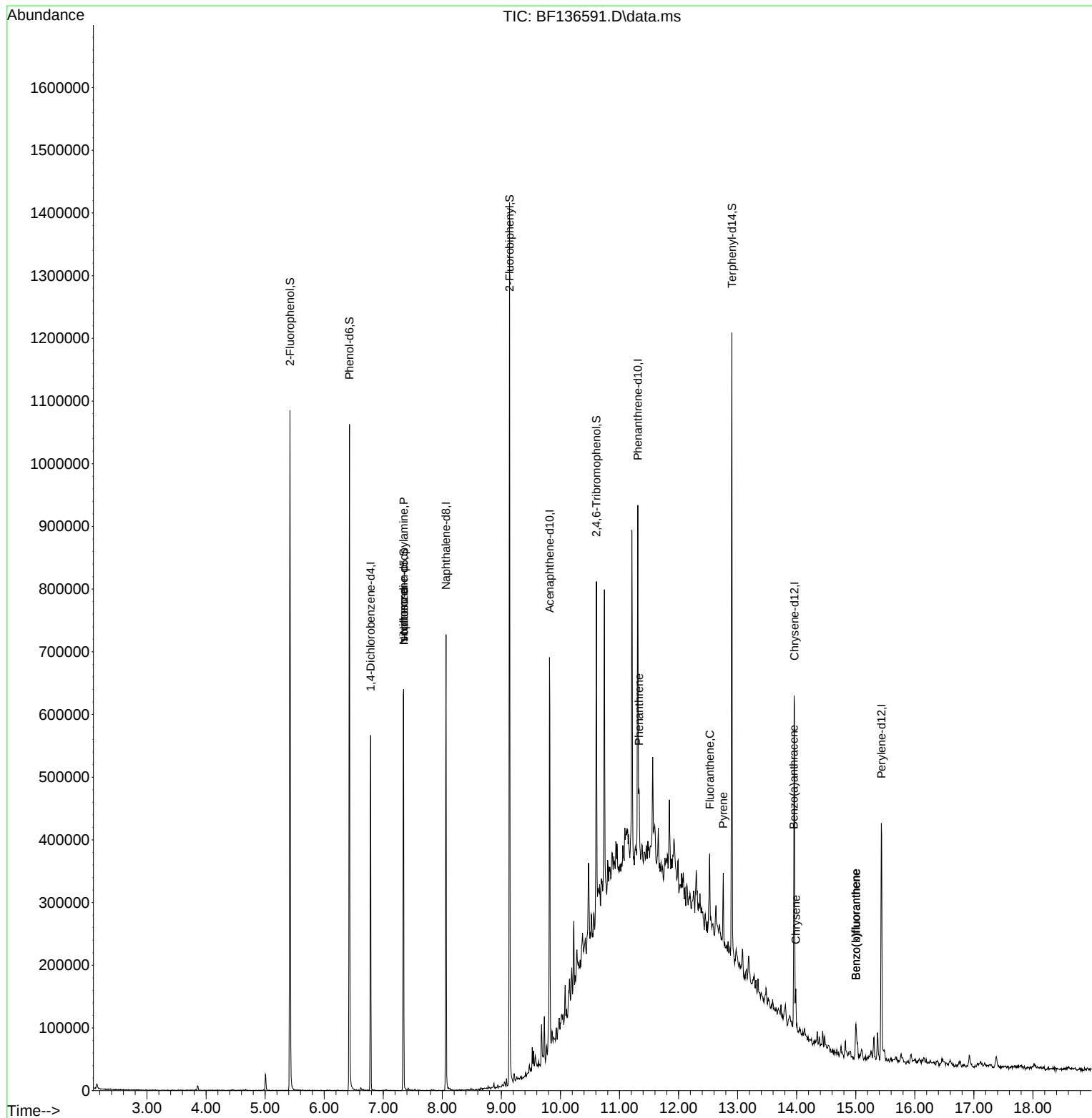
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	80474	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	297616	20.000	ng	0.00
39) Acenaphthene-d10	9.816	164	131202	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	192802	20.000	ng	0.00
76) Chrysene-d12	13.963	240	178493	20.000	ng	0.00
86) Perylene-d12	15.433	264	180501	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	288007	52.854	ng	0.00
7) Phenol-d6	6.428	99	337710	49.673	ng	0.00
23) Nitrobenzene-d5	7.345	82	203676	36.997	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	68781	42.517	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	400479	41.650	ng	0.00
79) Terphenyl-d14	12.904	244	330975	24.440	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.428	77	315	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.345	70	26818	6.838 ng	#	77
25) Isophorone	7.345	82	203673	20.592 ng	#	65
71) Phenanthrene	11.333	178	33986	3.207 ng	#	94
75) Fluoranthene	12.527	202	43866	3.950 ng		97
77) Benzidine	12.663	184	444	Below Cal	#	1
78) Pyrene	12.757	202	46646	2.668 ng		95
81) Benzo(a)anthracene	13.951	228	25474	2.049 ng	#	77
83) Chrysene	13.986	228	26835	2.194 ng	#	94
88) Benzo(b)fluoranthene	15.004	252	40367	3.271 ng	#	91
89) Benzo(k)fluoranthene	15.004	252	40367	3.471 ng	#	91

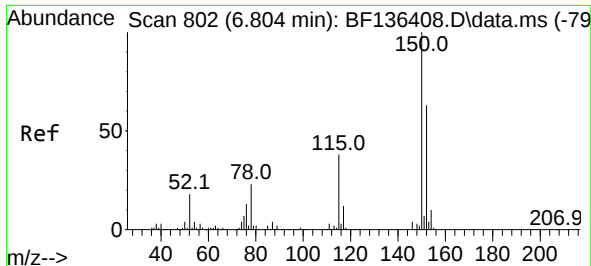
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
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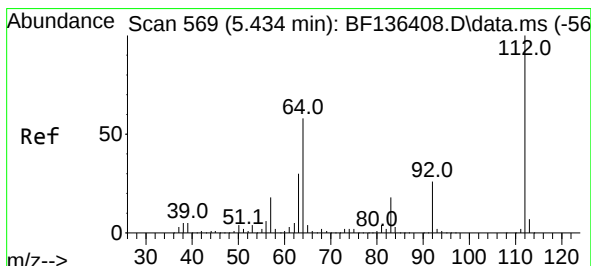
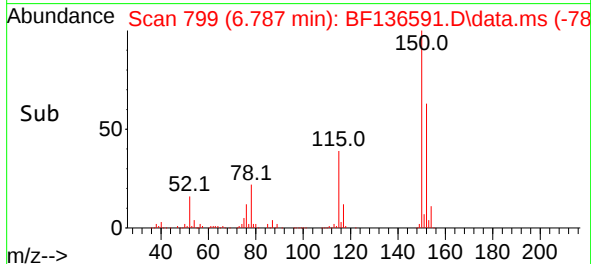
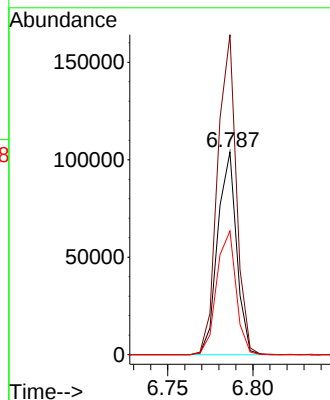
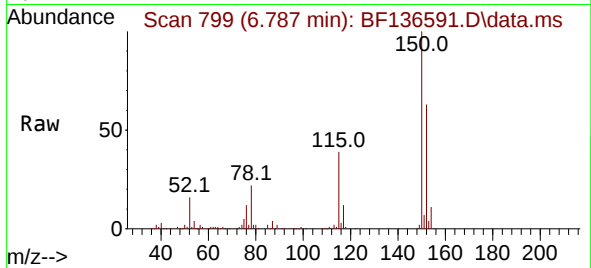




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF136591.D
Acq: 15 Dec 2023 14:17

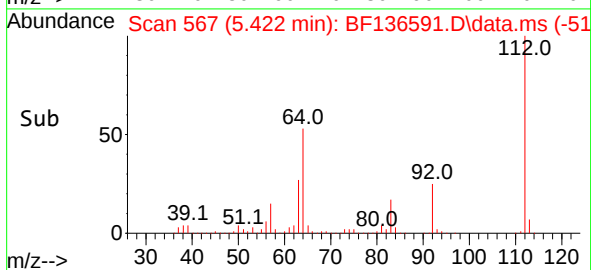
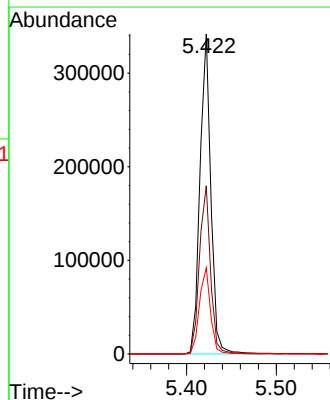
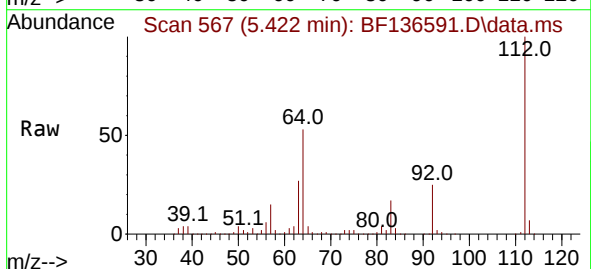
Instrument :
BNA_F
ClientSampleId :
WC-1

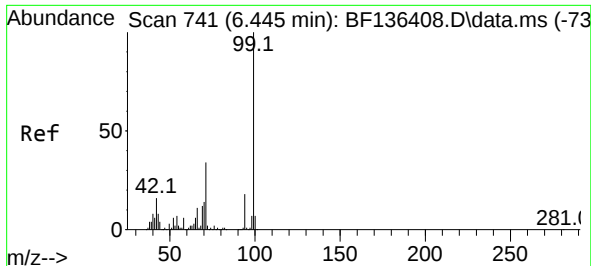
Tgt Ion:152 Resp: 80474
Ion Ratio Lower Upper
152 100
150 157.8 126.4 189.6
115 61.0 48.2 72.4



#5
2-Fluorophenol
Concen: 52.854 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.000 min
Lab File: BF136591.D
Acq: 15 Dec 2023 14:17

Tgt Ion:112 Resp: 288007
Ion Ratio Lower Upper
112 100
64 52.6 46.5 69.7
63 27.0 23.9 35.9





#7
Phenol-d6
Concen: 49.673 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF136591.D
Acq: 15 Dec 2023 14:17

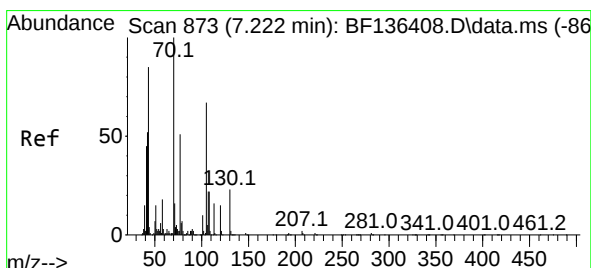
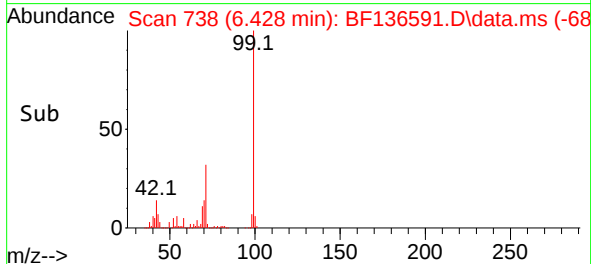
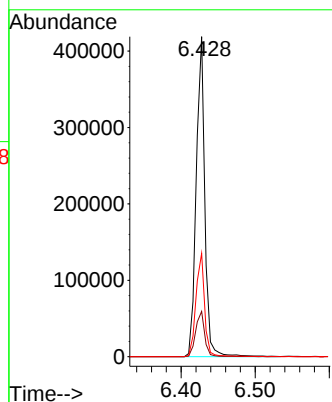
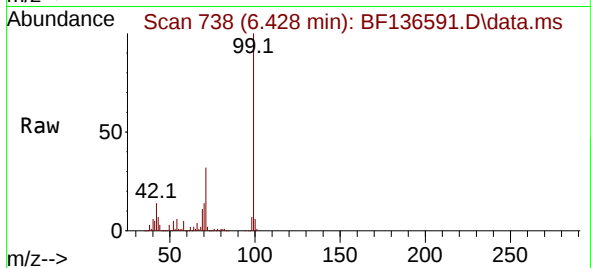
Instrument :

BNA_F

ClientSampleId :

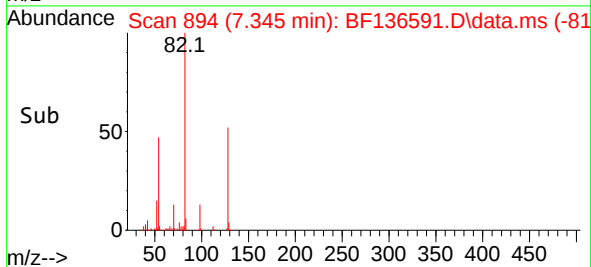
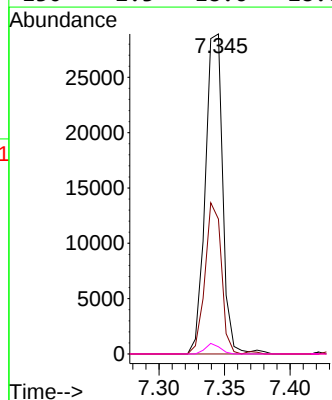
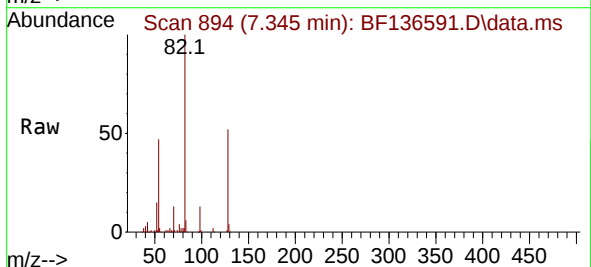
WC-1

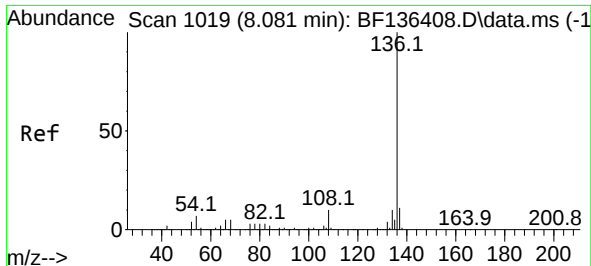
Tgt Ion: 99 Resp: 337710
Ion Ratio Lower Upper
99 100
42 14.2 12.8 19.2
71 32.3 27.0 40.4



#19
n-Nitroso-di-n-propylamine
Concen: 6.838 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.141 min
Lab File: BF136591.D
Acq: 15 Dec 2023 14:17

Tgt Ion: 70 Resp: 26818
Ion Ratio Lower Upper
70 100
42 42.1 41.4 62.0
101 0.0 8.2 12.4#
130 2.3 18.6 28.0#

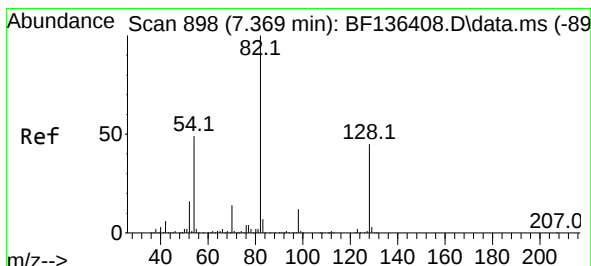
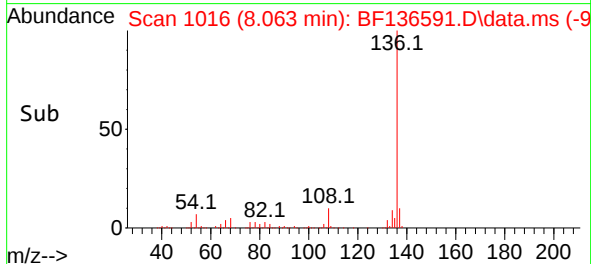
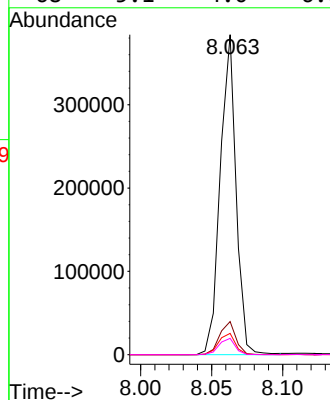
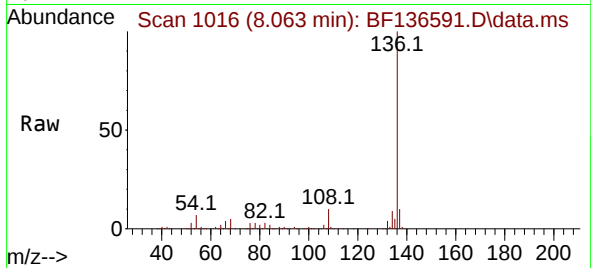




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF136591.D
Acq: 15 Dec 2023 14:17

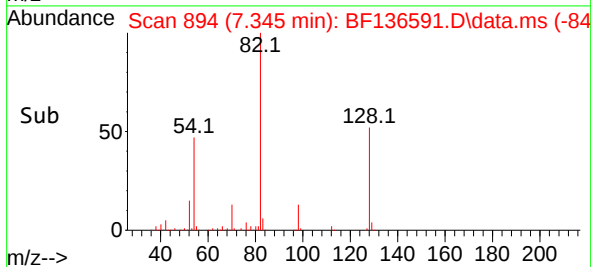
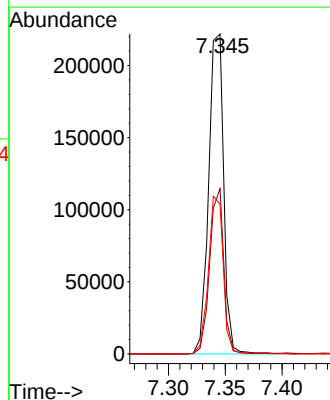
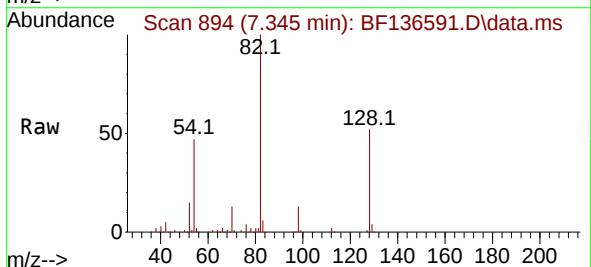
Instrument :
BNA_F
ClientSampleId :
WC-1

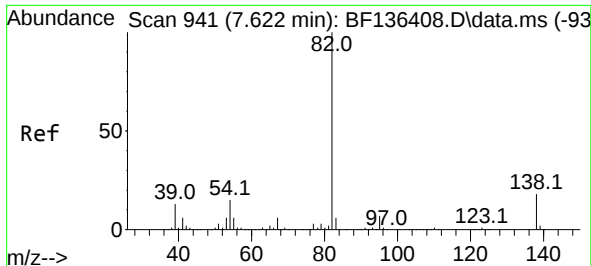
Tgt Ion:136	Resp:	297616
Ion	Ratio	Lower Upper
136	100	
137	10.4	8.6 12.8
54	6.7	5.7 8.5
68	5.1	4.0 6.0



#23
Nitrobenzene-d5
Concen: 36.997 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF136591.D
Acq: 15 Dec 2023 14:17

Tgt Ion: 82	Resp:	203676
Ion	Ratio	Lower Upper
82	100	
128	51.6	36.3 54.5
54	46.8	39.0 58.6

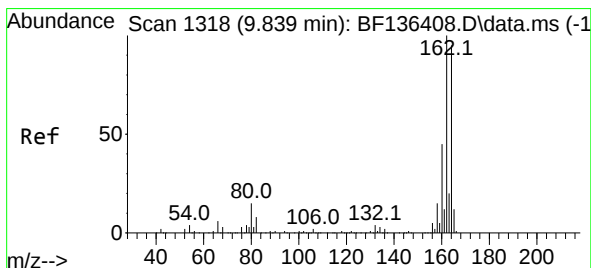
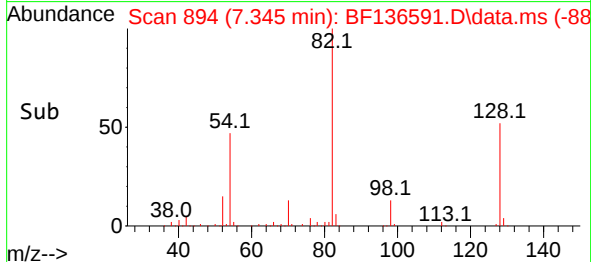
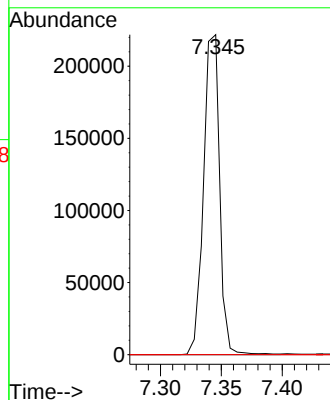
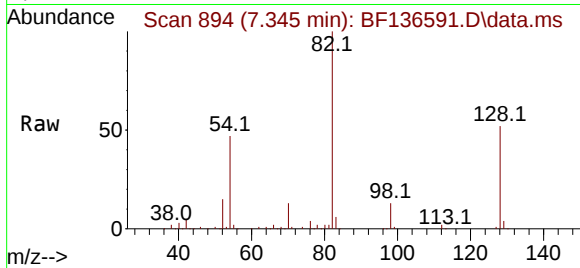




#25
Isophorone
Concen: 20.592 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.265 min
Lab File: BF136591.D
Acq: 15 Dec 2023 14:17

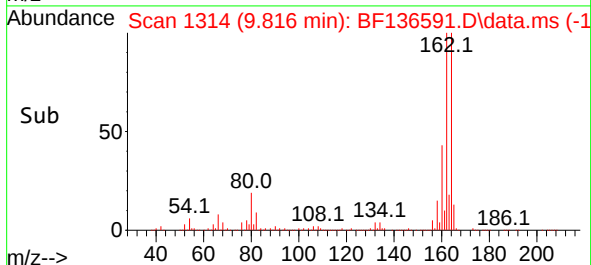
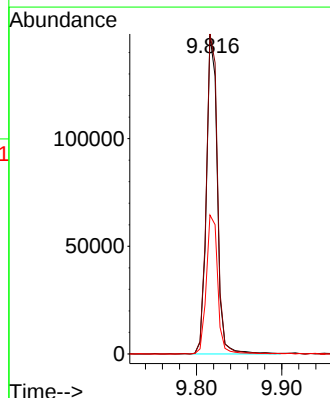
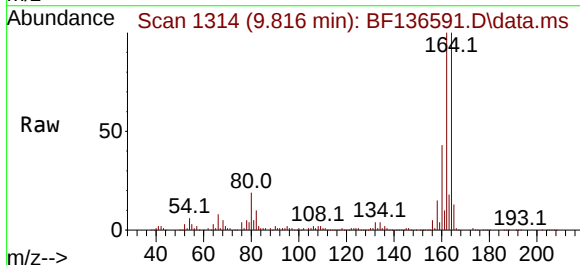
Instrument :
BNA_F
ClientSampleId :
WC-1

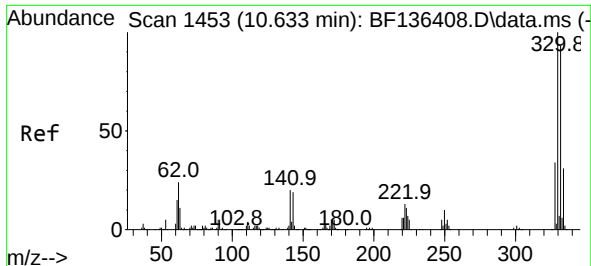
Tgt Ion: 82 Resp: 203673
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136591.D
Acq: 15 Dec 2023 14:17

Tgt Ion:164 Resp: 131202
Ion Ratio Lower Upper
164 100
162 100.5 84.4 126.6
160 43.6 37.6 56.4





#42

2,4,6-Tribromophenol

Concen: 42.517 ng

RT: 10.610 min Scan# 1453

Delta R.T. -0.012 min

Lab File: BF136591.D

Acq: 15 Dec 2023 14:17

Instrument :

BNA_F

ClientSampleId :

WC-1

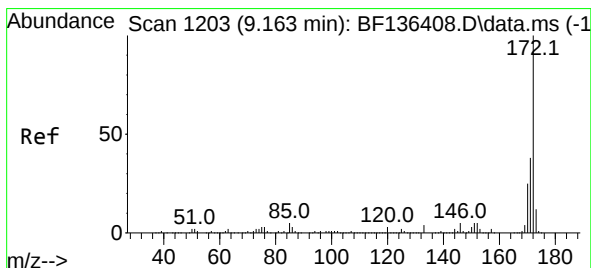
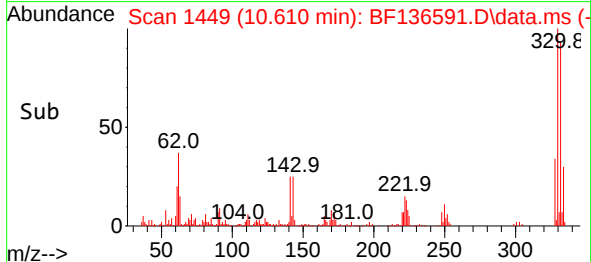
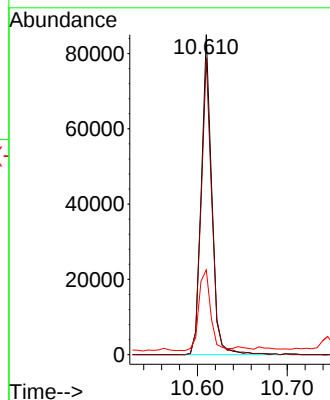
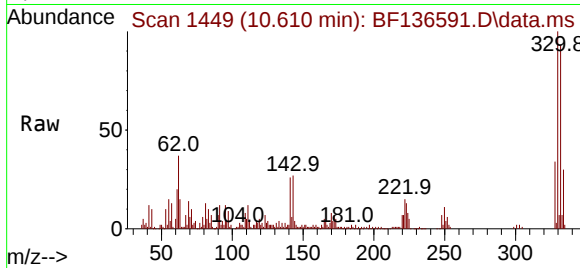
Tgt Ion:330 Resp: 68781

Ion Ratio Lower Upper

330 100

332 94.8 76.4 114.6

141 28.1 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 41.650 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF136591.D

Acq: 15 Dec 2023 14:17

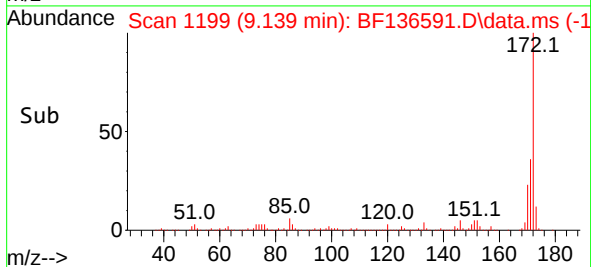
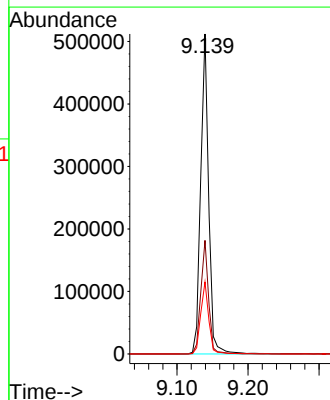
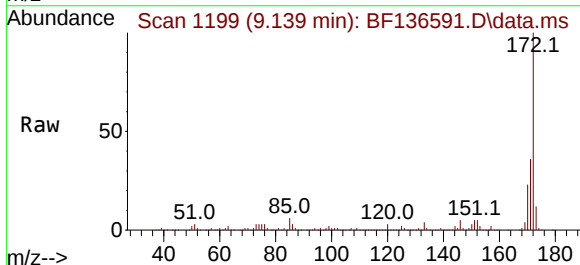
Tgt Ion:172 Resp: 400479

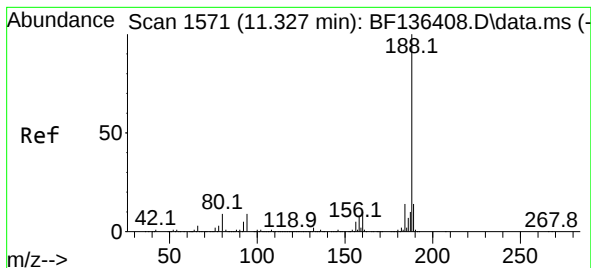
Ion Ratio Lower Upper

172 100

171 35.5 30.5 45.7

170 22.5 19.9 29.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136591.D

Acq: 15 Dec 2023 14:17

Instrument :

BNA_F

ClientSampleId :

WC-1

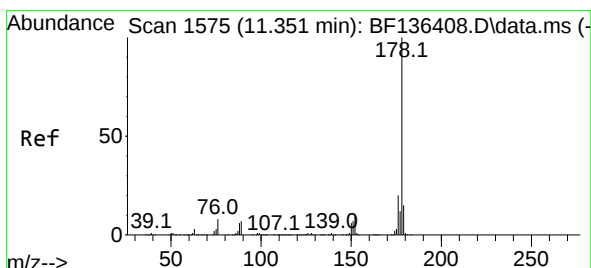
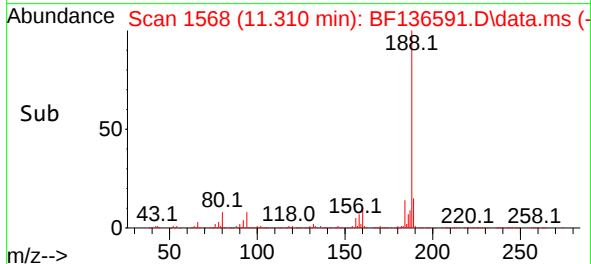
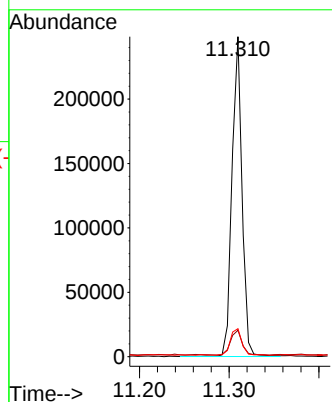
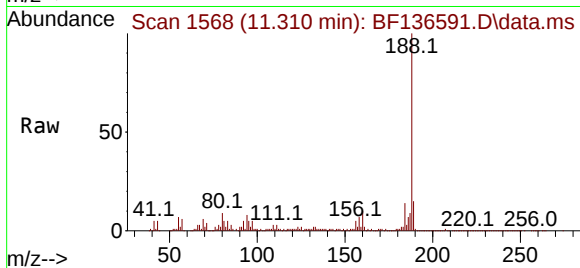
Tgt Ion:188 Resp: 192802

Ion Ratio Lower Upper

188 100

94 8.2 7.2 10.8

80 8.7 7.2 10.8



#71

Phenanthrene

Concen: 3.207 ng

RT: 11.333 min Scan# 1572

Delta R.T. -0.006 min

Lab File: BF136591.D

Acq: 15 Dec 2023 14:17

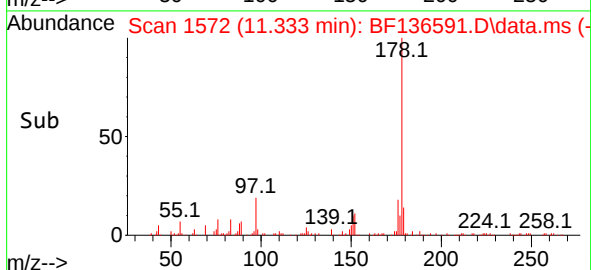
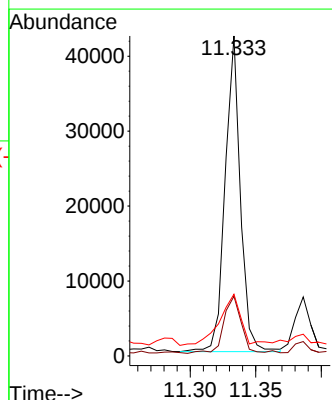
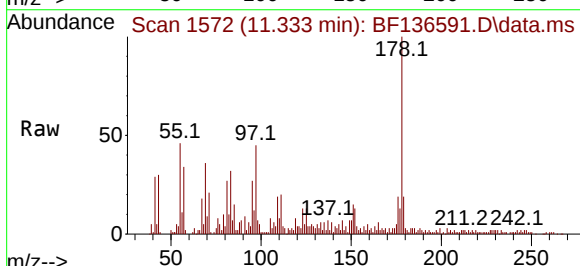
Tgt Ion:178 Resp: 33986

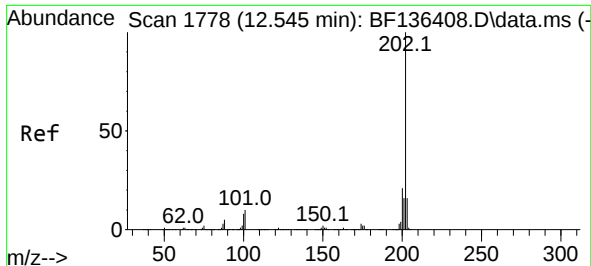
Ion Ratio Lower Upper

178 100

176 18.7 15.9 23.9

179 19.3 11.8 17.6#

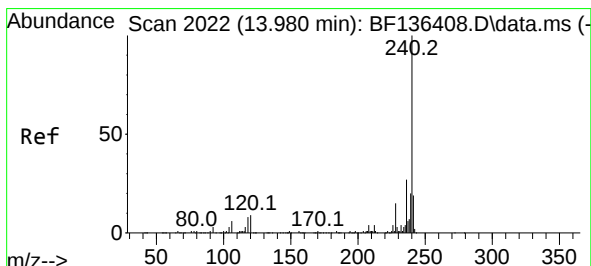
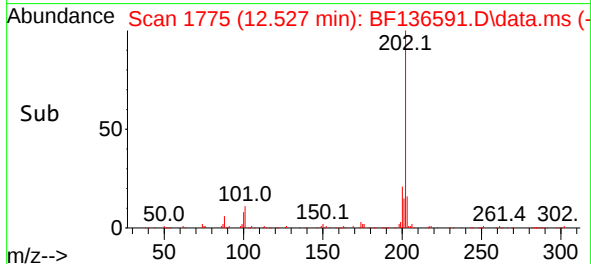
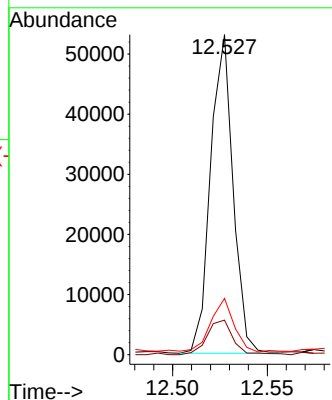
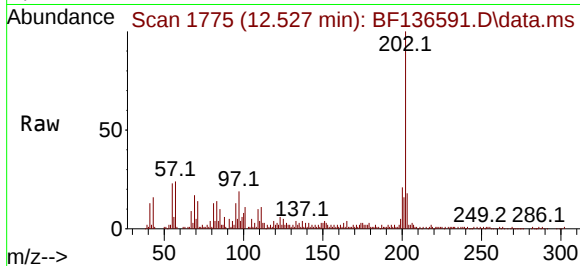




#75
Fluoranthene
Concen: 3.950 ng
RT: 12.527 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF136591.D
Acq: 15 Dec 2023 14:17

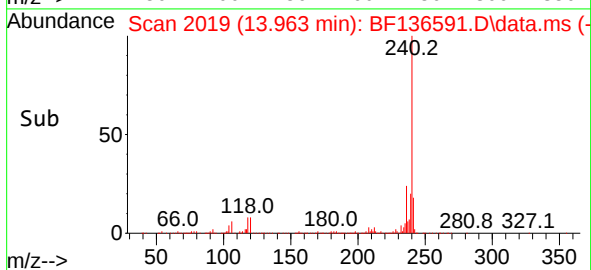
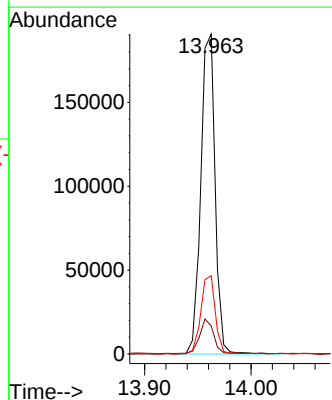
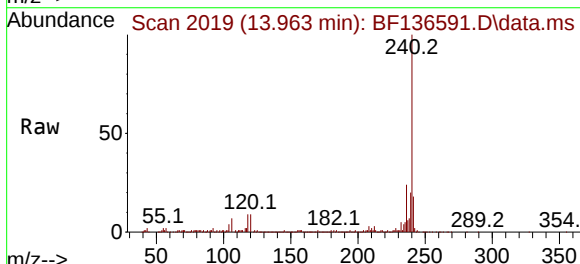
Instrument :
BNA_F
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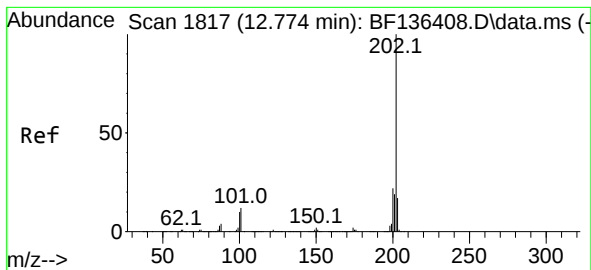
Tgt Ion:202 Resp: 43866
Ion Ratio Lower Upper
202 100
101 10.8 0.0 29.9
203 17.6 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF136591.D
Acq: 15 Dec 2023 14:17

Tgt Ion:240 Resp: 178493
Ion Ratio Lower Upper
240 100
120 8.7 7.3 10.9
236 24.5 21.3 31.9





#78

Pyrene

Concen: 2.668 ng

RT: 12.757 min Scan# 1814

Delta R.T. -0.006 min

Lab File: BF136591.D

Acq: 15 Dec 2023 14:17

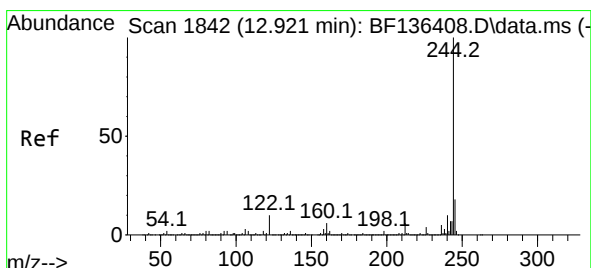
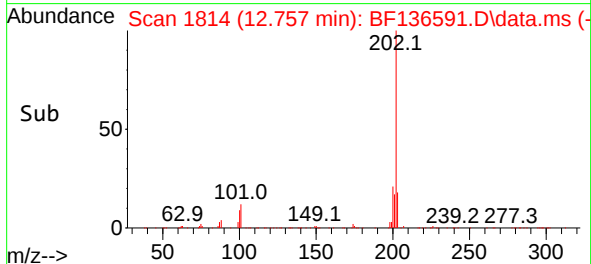
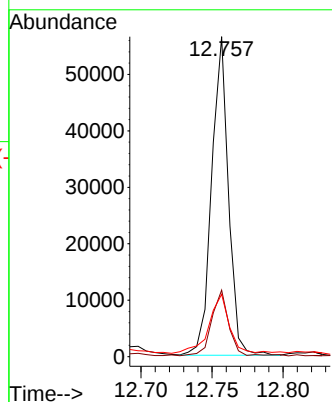
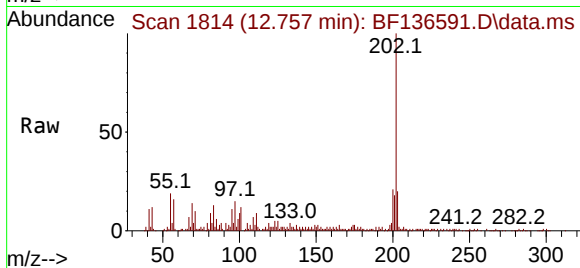
Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion:	202	Resp:	46646
Ion Ratio	Lower	Upper	
202	100		
200	20.8	18.0	27.0
203	19.5	13.5	20.3



#79

Terphenyl-d14

Concen: 24.440 ng

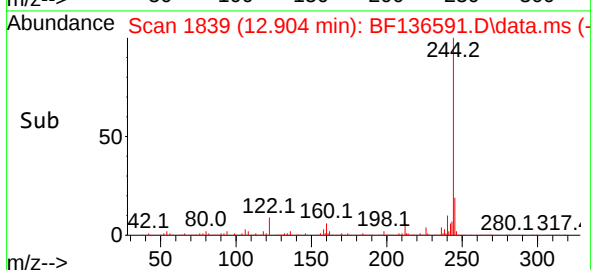
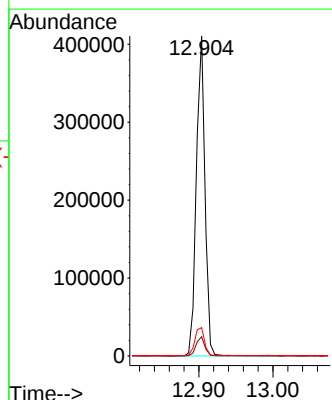
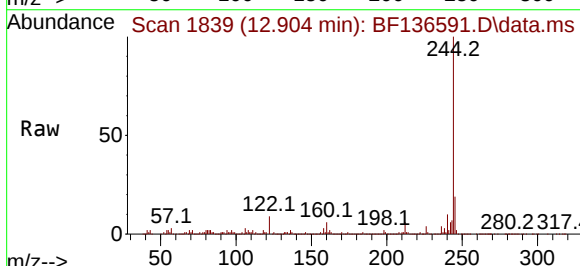
RT: 12.904 min Scan# 1839

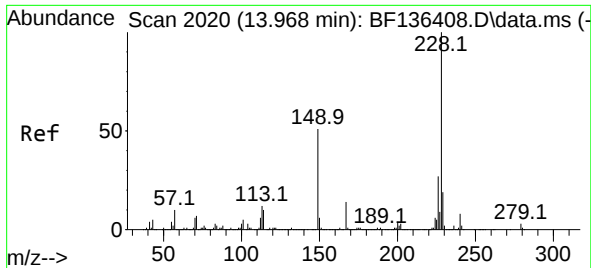
Delta R.T. -0.006 min

Lab File: BF136591.D

Acq: 15 Dec 2023 14:17

Tgt Ion:	244	Resp:	330975
Ion Ratio	Lower	Upper	
244	100		
212	6.0	5.0	7.4
122	8.9	8.3	12.5

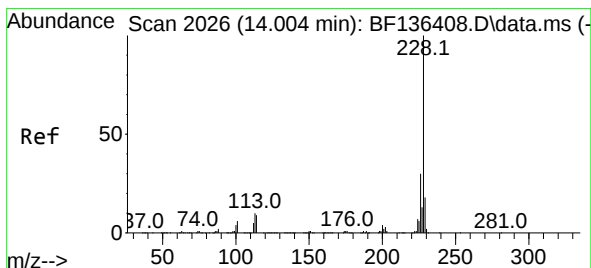
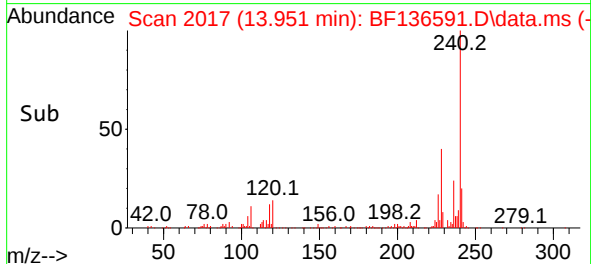
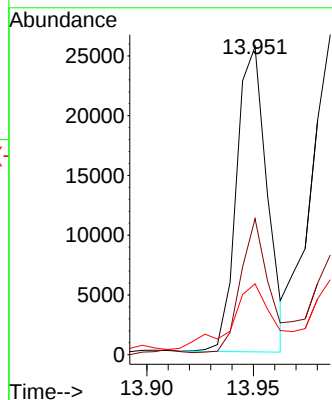
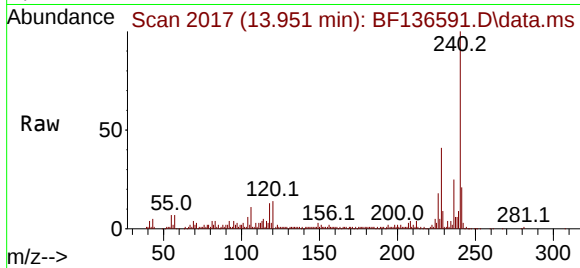




#81
Benzo(a)anthracene
Concen: 2.049 ng
RT: 13.951 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF136591.D
Acq: 15 Dec 2023 14:17

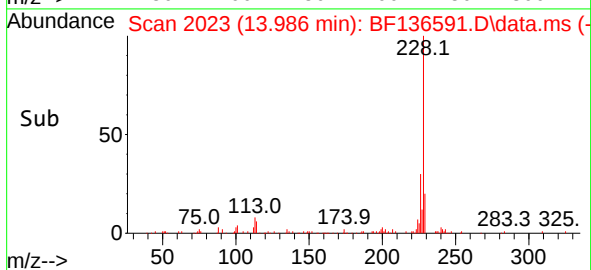
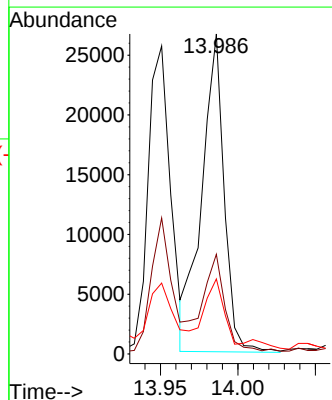
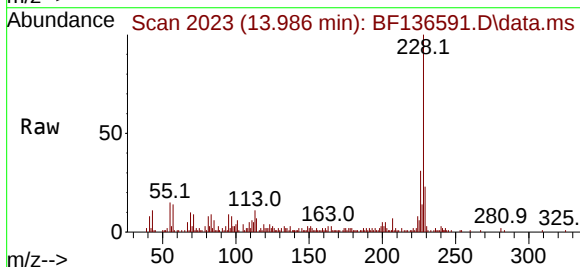
Instrument :
BNA_F
ClientSampleId :
WC-1

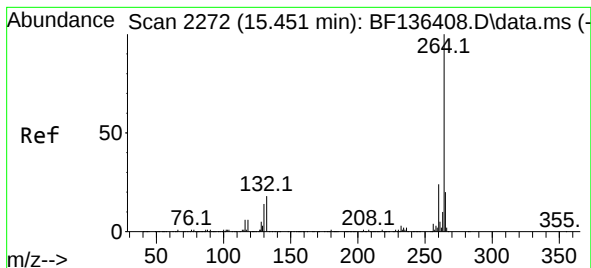
Tgt Ion:228 Resp: 25474
Ion Ratio Lower Upper
228 100
226 44.2 21.8 32.8#
229 23.0 15.0 22.4#



#83
Chrysene
Concen: 2.194 ng
RT: 13.986 min Scan# 2023
Delta R.T. -0.006 min
Lab File: BF136591.D
Acq: 15 Dec 2023 14:17

Tgt Ion:228 Resp: 26835
Ion Ratio Lower Upper
228 100
226 31.2 23.8 35.6
229 23.5 14.8 22.2#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.433 min Scan# 2196

Delta R.T. -0.006 min

Lab File: BF136591.D

Acq: 15 Dec 2023 14:17

Instrument :

BNA_F

ClientSampleId :

WC-1

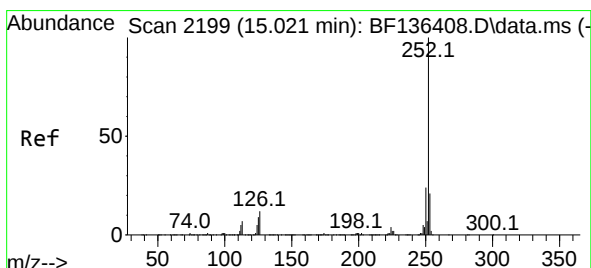
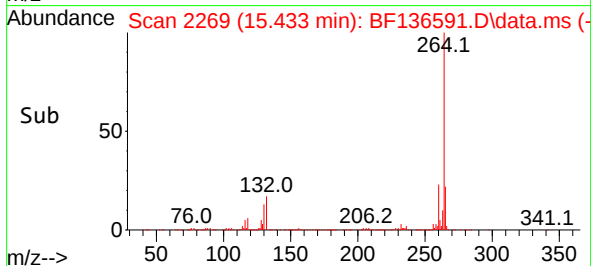
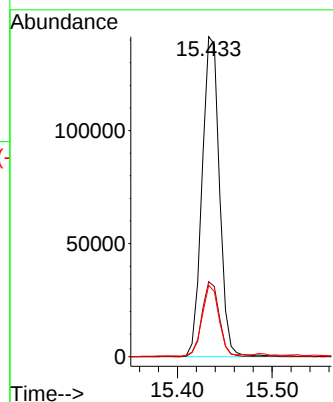
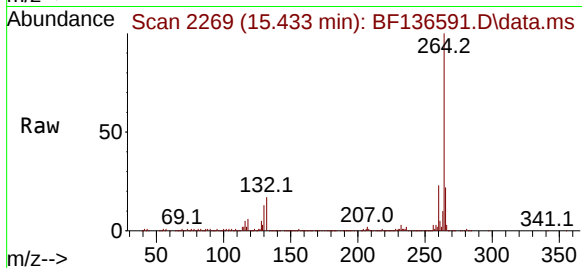
Tgt Ion:264 Resp: 180501

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 22.3 15.9 23.9



#88

Benzo(b)fluoranthene

Concen: 3.271 ng

RT: 15.004 min Scan# 2196

Delta R.T. -0.006 min

Lab File: BF136591.D

Acq: 15 Dec 2023 14:17

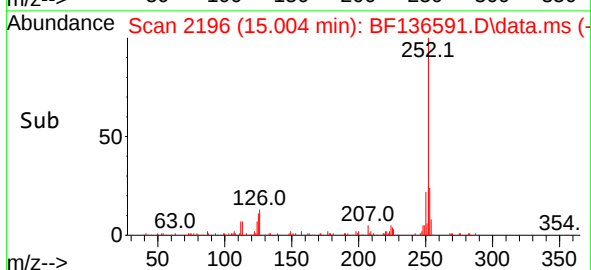
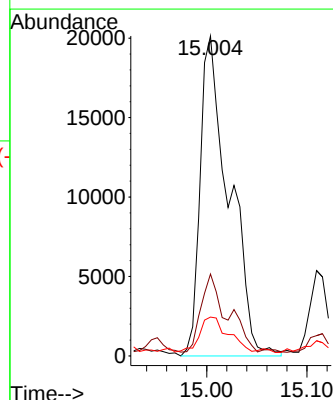
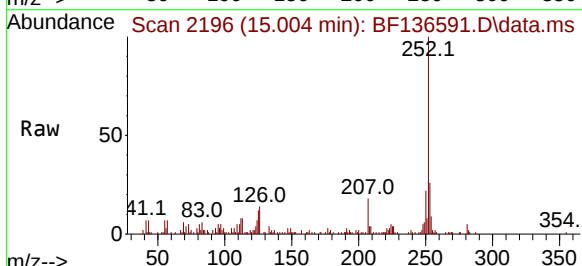
Tgt Ion:252 Resp: 40367

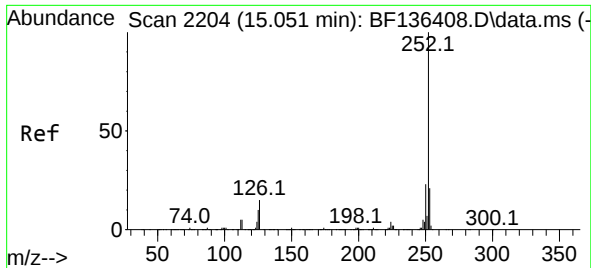
Ion Ratio Lower Upper

252 100

253 25.6 16.9 25.3#

125 12.2 7.4 11.2#





#89

Benzo(k)fluoranthene

Concen: 3.471 ng

RT: 15.004 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF136591.D

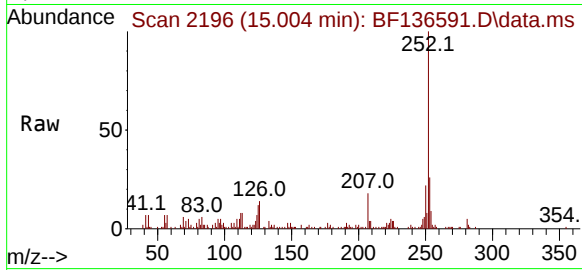
Acq: 15 Dec 2023 14:17

Instrument :

BNA_F

ClientSampleId :

WC-1



Tgt Ion:252 Resp: 40367

Ion Ratio Lower Upper

252 100

253 25.6 16.9 25.3#

125 12.2 7.5 11.3#

