

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
 Data File : BF135873.D
 Acq On : 19 Oct 2023 04:30
 Operator : CG\JU
 Sample : 04858-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-2

Quant Time: Oct 19 05:27:50 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 01:22:00 2023
 Response via : Initial Calibration

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

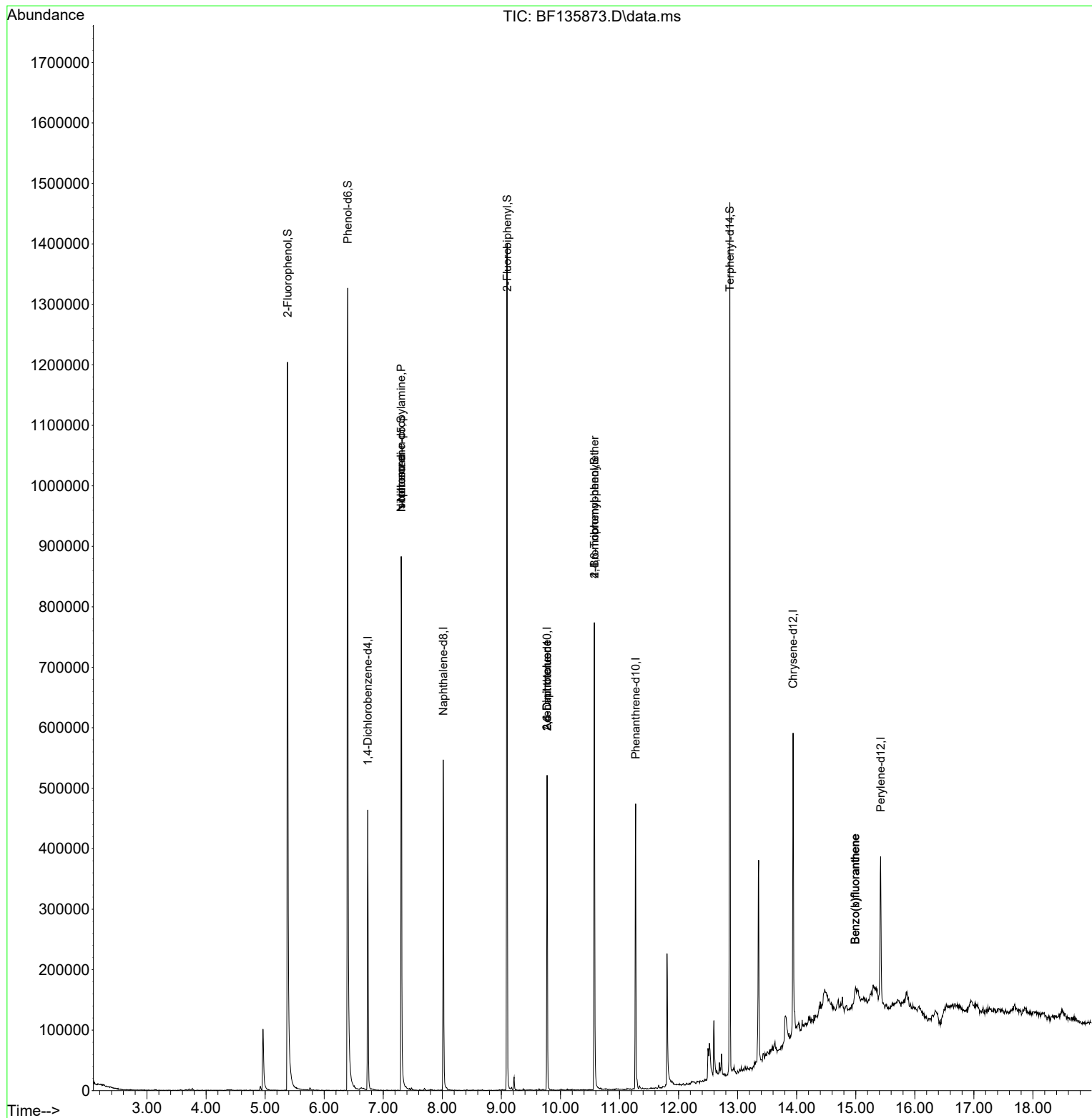
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	65686	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	232942	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	97890	20.000	ng	-0.01
64) Phenanthrene-d10	11.275	188	177132	20.000	ng	0.00
76) Chrysene-d12	13.939	240	154724	20.000	ng	-0.01
86) Perylene-d12	15.421	264	114777	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	373839	91.502	ng	0.00
7) Phenol-d6	6.398	99	471273	92.448	ng	0.00
23) Nitrobenzene-d5	7.304	82	274349	64.776	ng	-0.01
42) 2,4,6-Tribromophenol	10.575	330	90912	96.784	ng	-0.01
45) 2-Fluorobiphenyl	9.098	172	453167	72.380	ng	0.00
79) Terphenyl-d14	12.869	244	475479	56.911	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	36084	11.448	ng	# 78
25) Isophorone	7.304	82	274349	34.335	ng	# 66
51) 2,6-Dinitrotoluene	9.775	165	12455	8.765	ng	# 16
57) 2,4-Dinitrotoluene	9.775	165	12455	6.889	ng	# 24
67) 4-Bromophenyl-phenylether	10.575	248	5405	3.040	ng	# 1
88) Benzo(b)fluoranthene	14.992	252	13075	2.035	ng	# 74
89) Benzo(k)fluoranthene	14.992	252	13075	2.097	ng	# 72

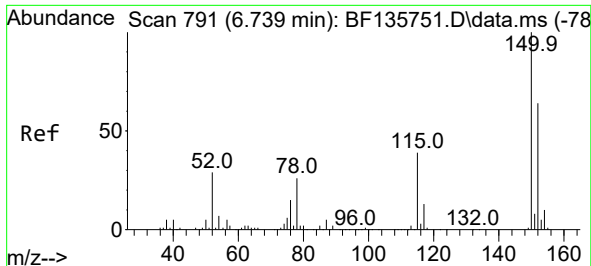
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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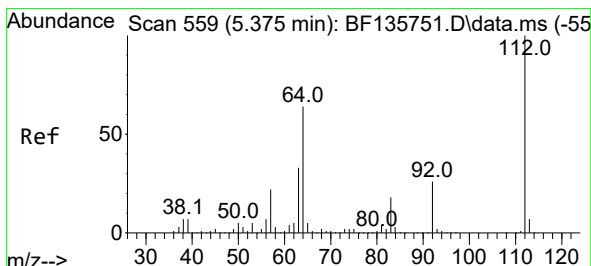
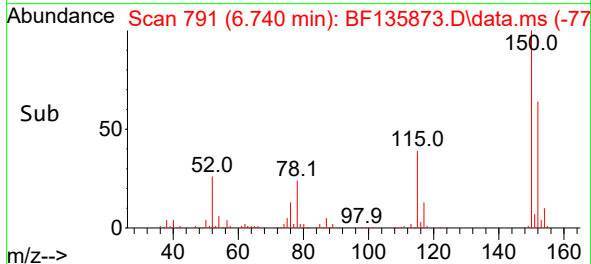
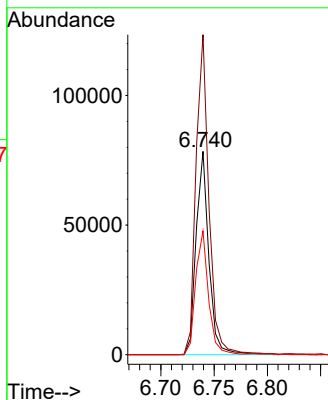
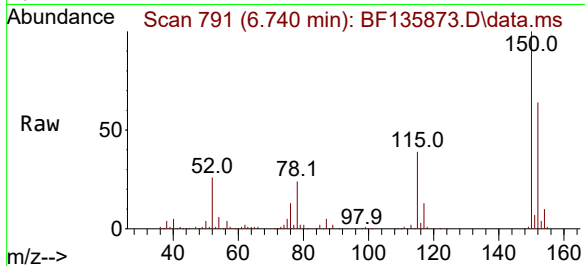




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF135873.D
Acq: 19 Oct 2023 04:30

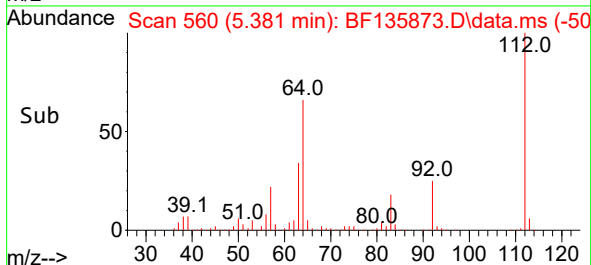
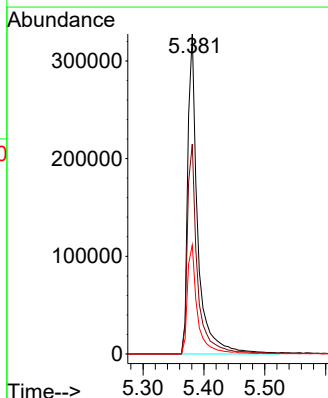
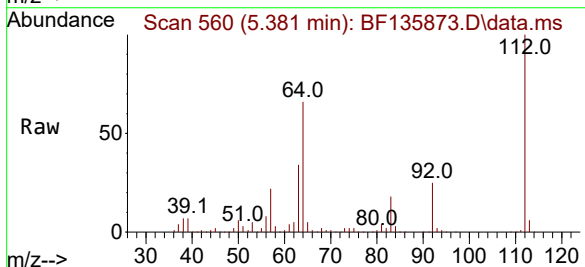
Instrument :
BNA_F
ClientSampleId :
WC-2

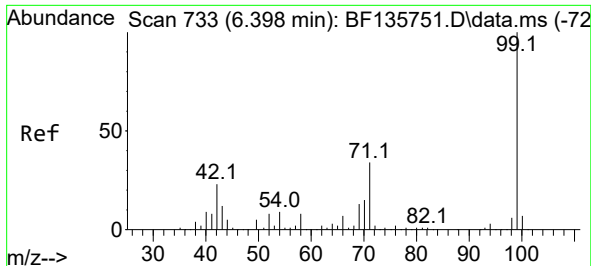
Tgt Ion:152 Resp: 65686
Ion Ratio Lower Upper
152 100
150 157.4 124.5 186.7
115 60.9 49.0 73.4



#5
2-Fluorophenol
Concen: 91.502 ng
RT: 5.381 min Scan# 560
Delta R.T. 0.006 min
Lab File: BF135873.D
Acq: 19 Oct 2023 04:30

Tgt Ion:112 Resp: 373839
Ion Ratio Lower Upper
112 100
64 65.6 51.2 76.8
63 34.1 26.1 39.1

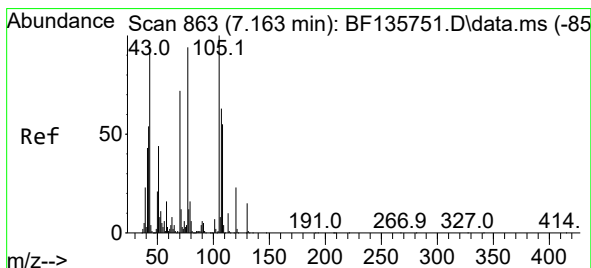
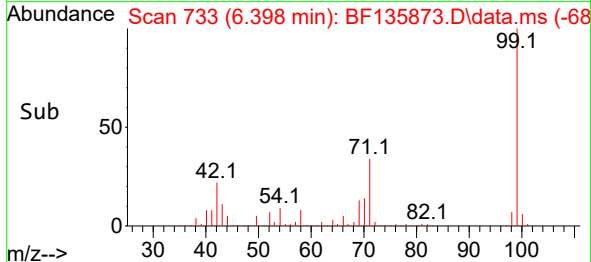
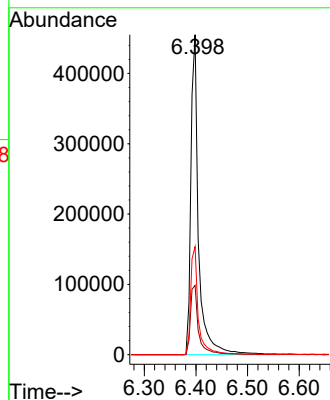
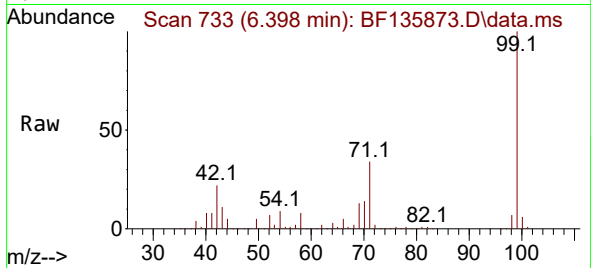




#7
Phenol-d6
Concen: 92.448 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF135873.D
Acq: 19 Oct 2023 04:30

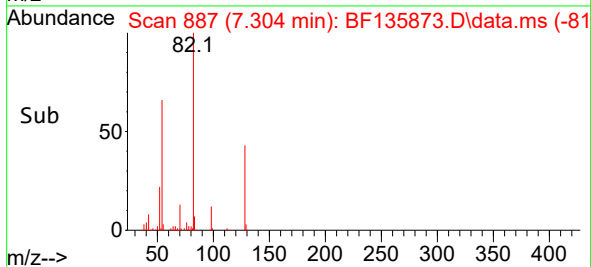
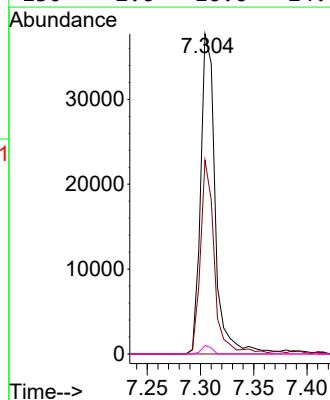
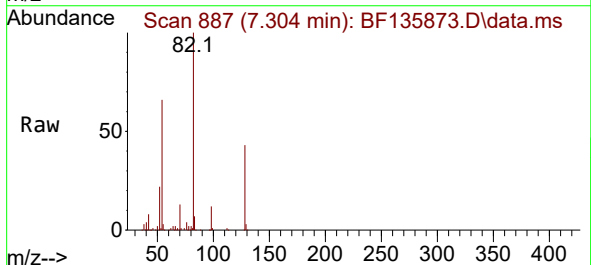
Instrument :
BNA_F
ClientSampleId :
WC-2

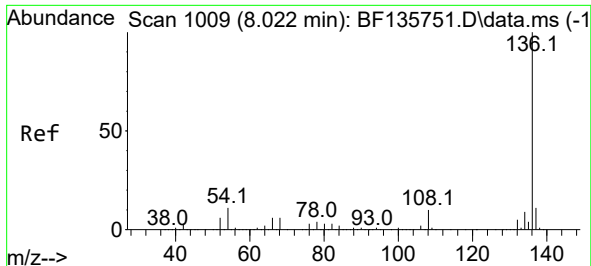
Tgt Ion: 99 Resp: 471273
Ion Ratio Lower Upper
99 100
42 21.7 18.4 27.6
71 33.7 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 11.448 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.141 min
Lab File: BF135873.D
Acq: 19 Oct 2023 04:30

Tgt Ion: 70 Resp: 36084
Ion Ratio Lower Upper
70 100
42 60.6 59.8 89.6
101 0.0 7.4 11.2#
130 2.6 16.6 24.8#



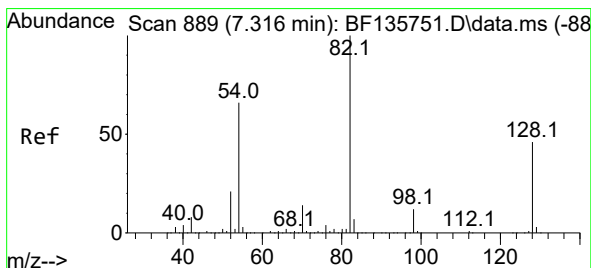
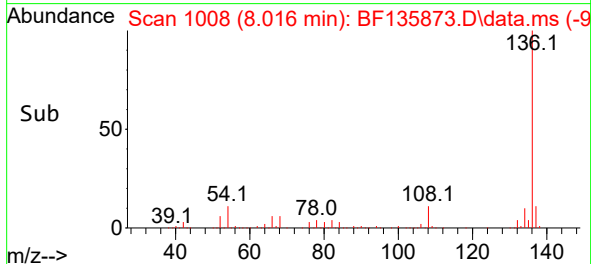
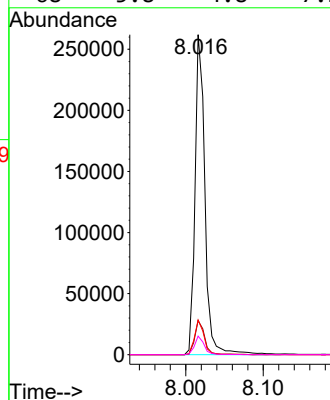
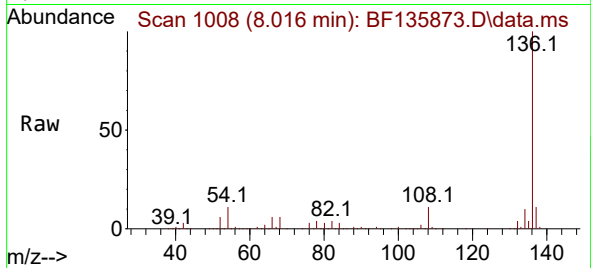


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF135873.D
Acq: 19 Oct 2023 04:30

Instrument :
BNA_F
ClientSampleId :
WC-2

Tgt Ion:136 Resp: 232942

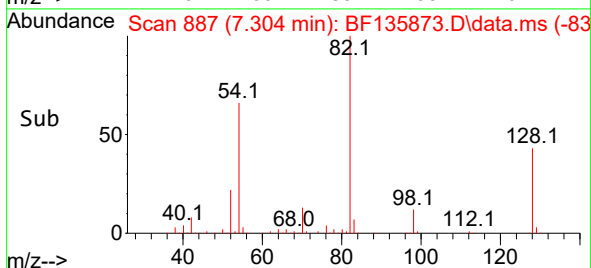
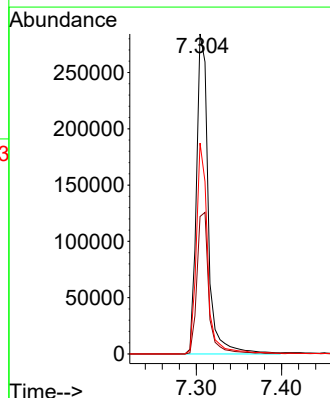
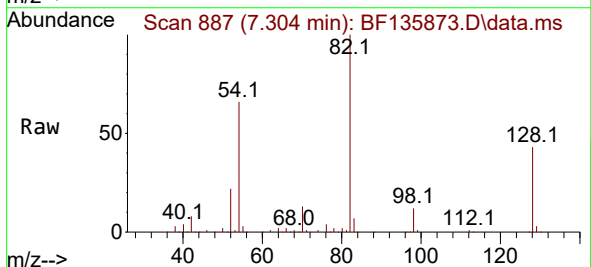
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	12.8
54	10.9	8.5	12.7
68	5.8	4.8	7.2

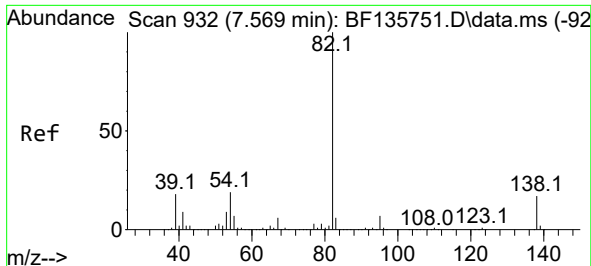


#23
Nitrobenzene-d5
Concen: 64.776 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.012 min
Lab File: BF135873.D
Acq: 19 Oct 2023 04:30

Tgt Ion: 82 Resp: 274349

Ion	Ratio	Lower	Upper
82	100		
128	43.0	37.0	55.6
54	65.9	52.8	79.2

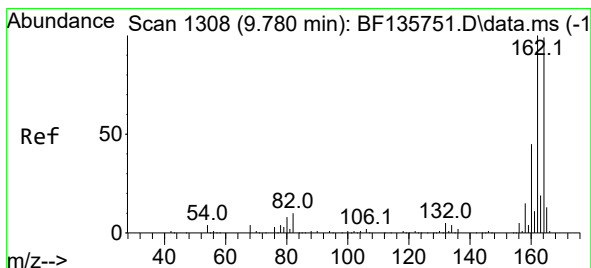
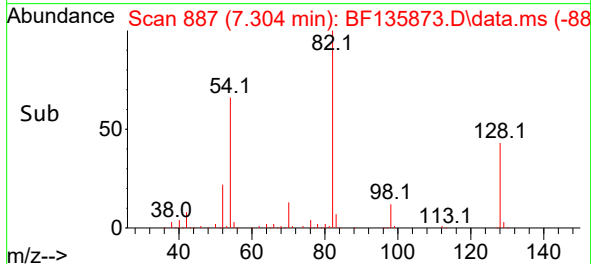
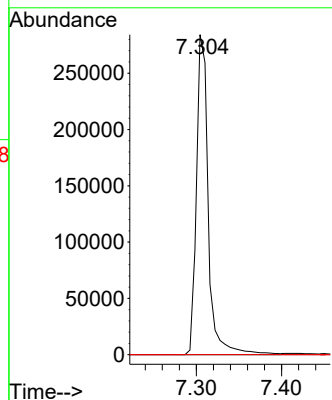
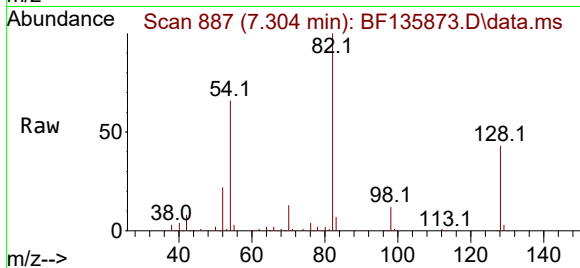




#25
Isophorone
Concen: 34.335 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF135873.D
Acq: 19 Oct 2023 04:30

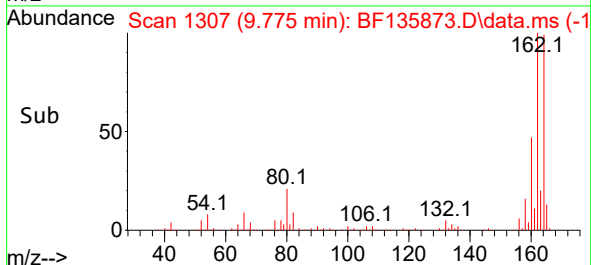
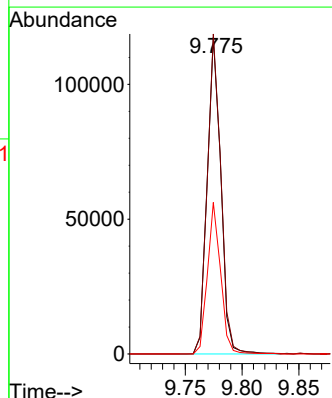
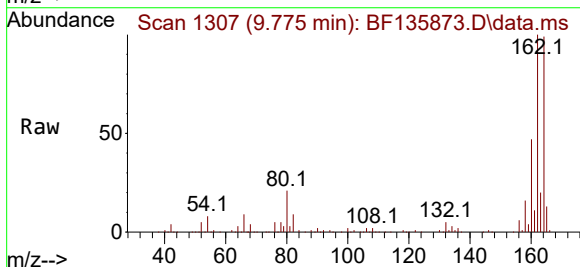
Instrument :
BNA_F
ClientSampleId :
WC-2

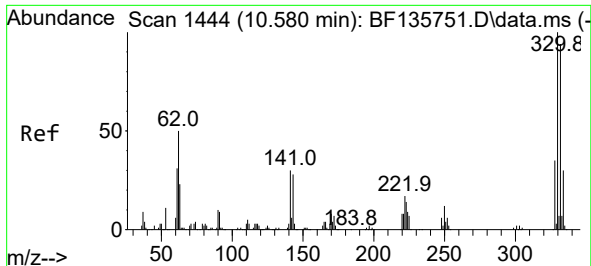
Tgt Ion: 82 Resp: 274349
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.012 min
Lab File: BF135873.D
Acq: 19 Oct 2023 04:30

Tgt Ion: 164 Resp: 97890
Ion Ratio Lower Upper
164 100
162 101.0 80.8 121.2
160 47.9 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 96.784 ng

RT: 10.575 min Scan# 1443

Delta R.T. -0.012 min

Lab File: BF135873.D

Acq: 19 Oct 2023 04:30

Instrument :

BNA_F

ClientSampleId :

WC-2

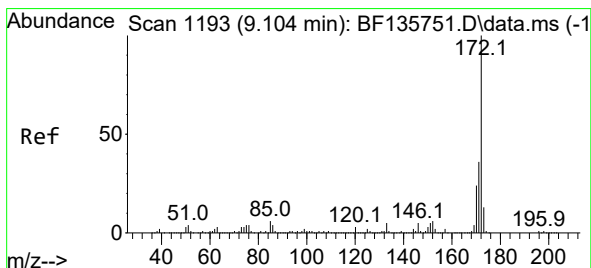
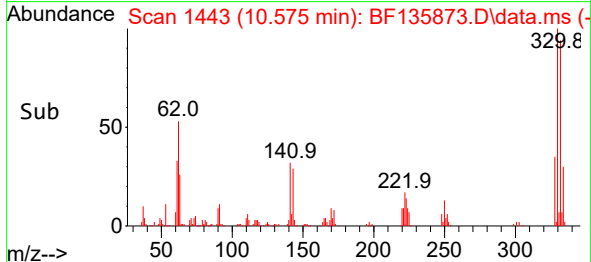
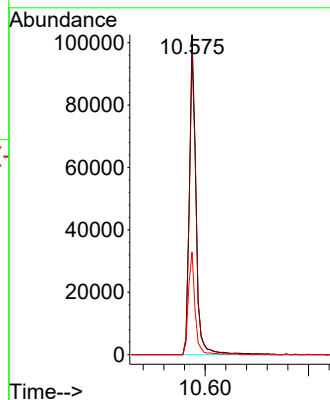
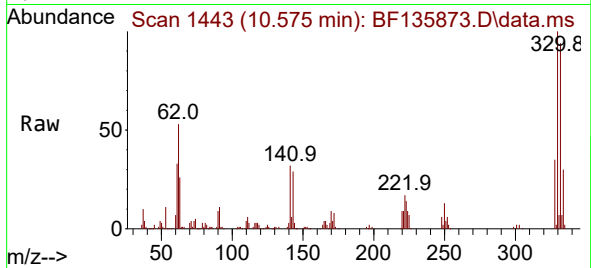
Tgt Ion:330 Resp: 90912

Ion Ratio Lower Upper

330 100

332 95.3 75.0 112.4

141 32.1 25.8 38.6



#45

2-Fluorobiphenyl

Concen: 72.380 ng

RT: 9.098 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BF135873.D

Acq: 19 Oct 2023 04:30

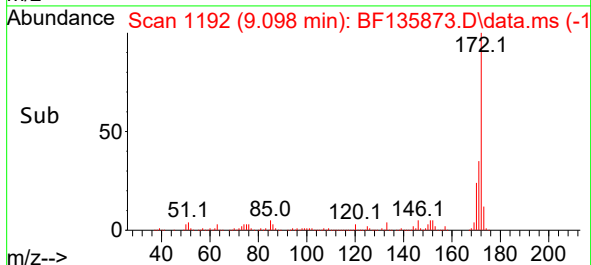
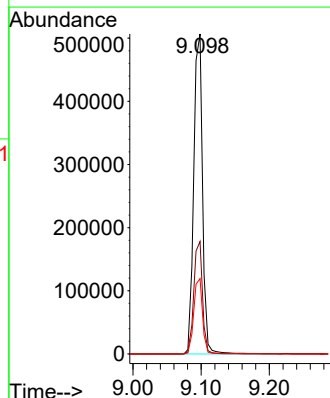
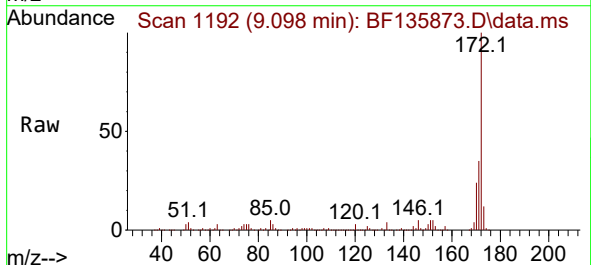
Tgt Ion:172 Resp: 453167

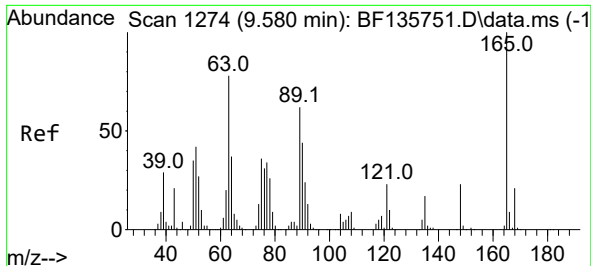
Ion Ratio Lower Upper

172 100

171 35.1 28.4 42.6

170 23.5 18.8 28.2

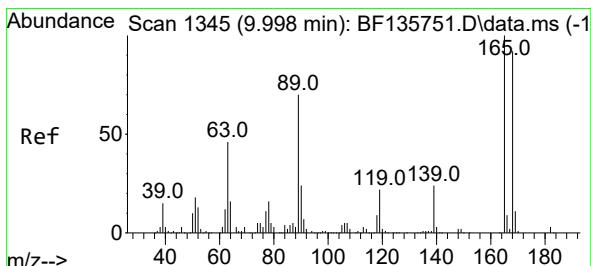
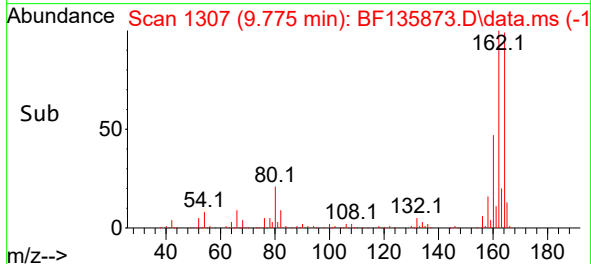
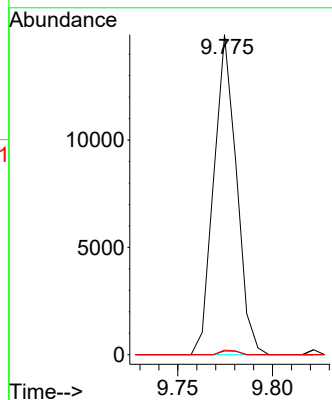
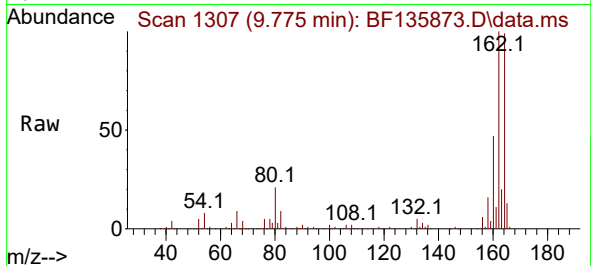




#51
2,6-Dinitrotoluene
Concen: 8.765 ng
RT: 9.775 min Scan# 11
Delta R.T. 0.188 min
Lab File: BF135873.D
Acq: 19 Oct 2023 04:30

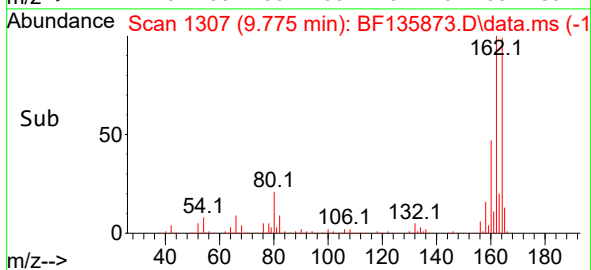
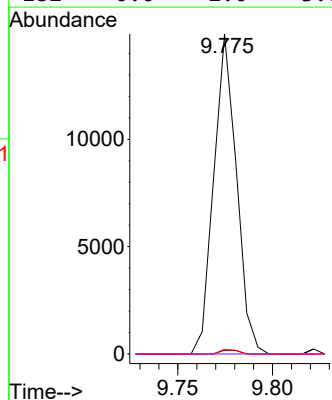
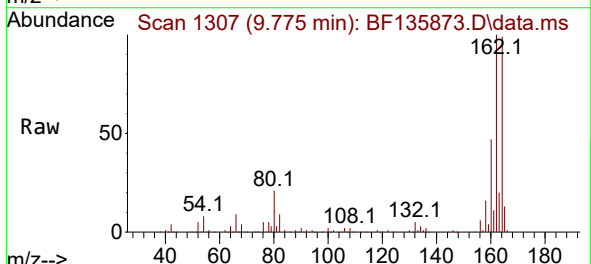
Instrument :
BNA_F
ClientSampleId :
WC-2

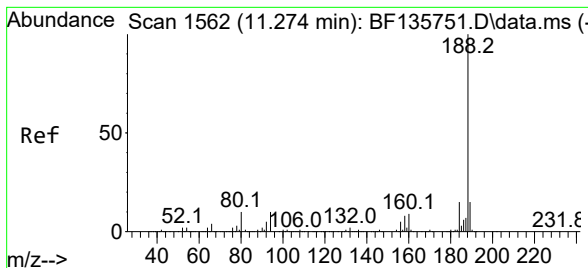
Tgt Ion:165 Resp: 12455
Ion Ratio Lower Upper
165 100
63 1.2 62.2 93.4#
89 1.5 49.6 74.4#



#57
2,4-Dinitrotoluene
Concen: 6.889 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.230 min
Lab File: BF135873.D
Acq: 19 Oct 2023 04:30

Tgt Ion:165 Resp: 12455
Ion Ratio Lower Upper
165 100
63 1.2 39.0 58.4#
89 1.5 55.9 83.9#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.275 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF135873.D

Acq: 19 Oct 2023 04:30

Instrument :

BNA_F

ClientSampleId :

WC-2

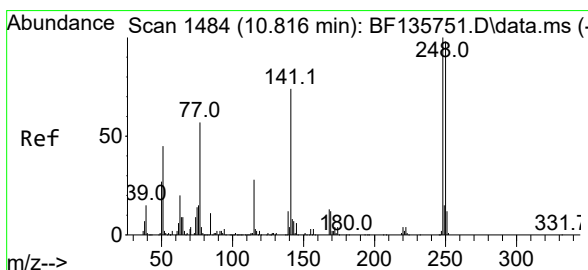
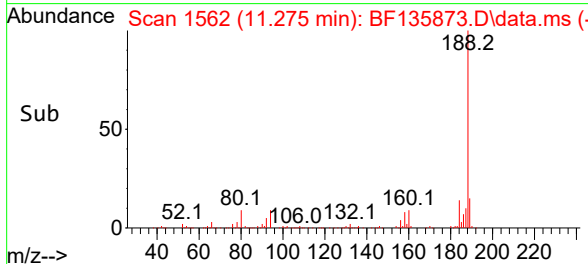
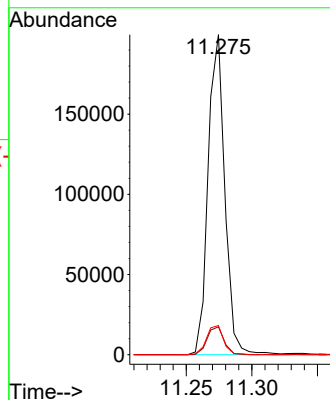
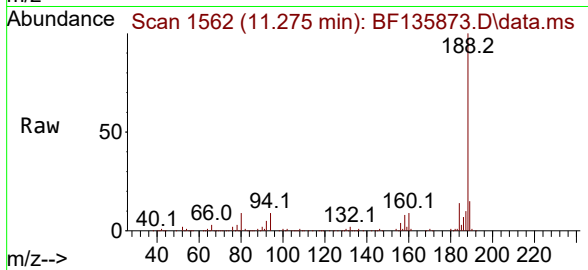
Tgt Ion:188 Resp: 177132

Ion Ratio Lower Upper

188 100

94 8.7 8.0 12.0

80 9.1 8.3 12.5



#67

4-Bromophenyl-phenylether

Concen: 3.040 ng

RT: 10.575 min Scan# 1443

Delta R.T. -0.247 min

Lab File: BF135873.D

Acq: 19 Oct 2023 04:30

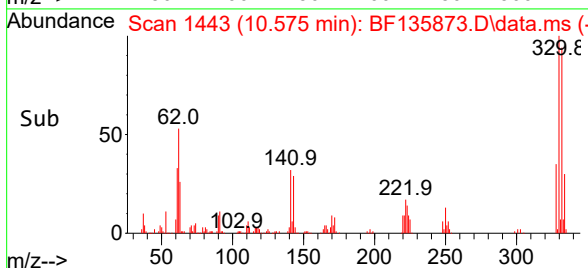
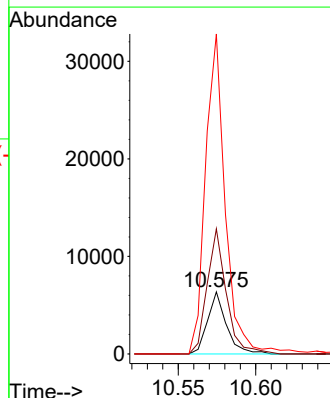
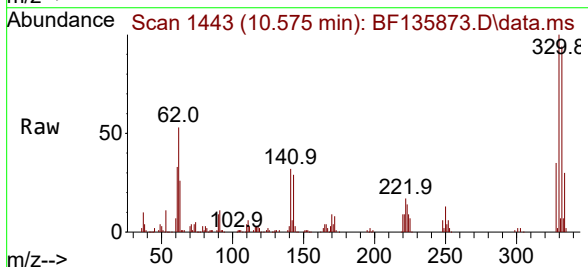
Tgt Ion:248 Resp: 5405

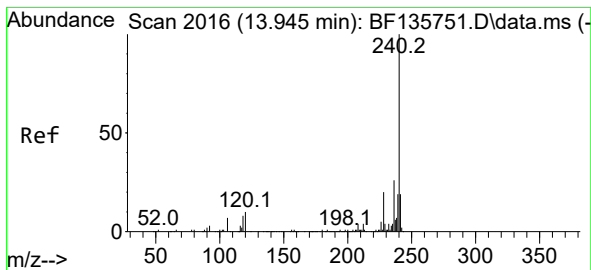
Ion Ratio Lower Upper

248 100

250 201.2 78.0 117.0#

141 514.8 59.0 88.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 2016

Delta R.T. -0.012 min

Lab File: BF135873.D

Acq: 19 Oct 2023 04:30

Instrument :

BNA_F

ClientSampleId :

WC-2

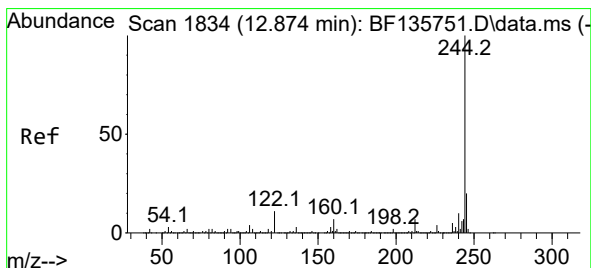
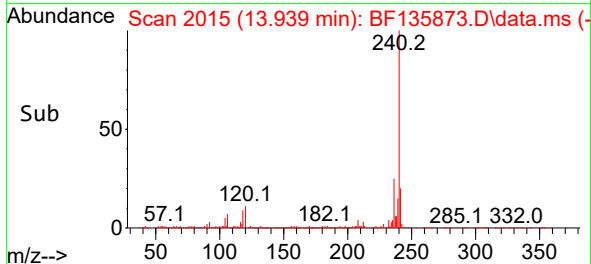
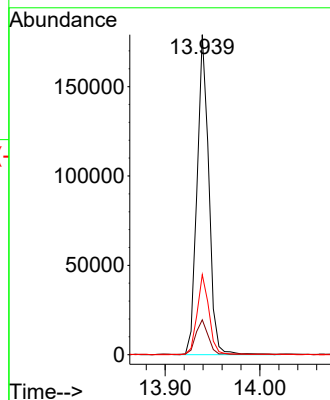
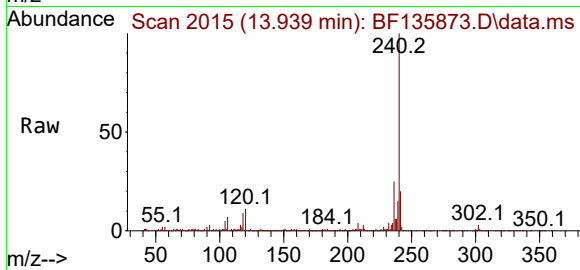
Tgt Ion:240 Resp: 154724

Ion Ratio Lower Upper

240 100

120 10.9 8.2 12.2

236 25.0 21.2 31.8



#79

Terphenyl-d14

Concen: 56.911 ng

RT: 12.869 min Scan# 1833

Delta R.T. -0.012 min

Lab File: BF135873.D

Acq: 19 Oct 2023 04:30

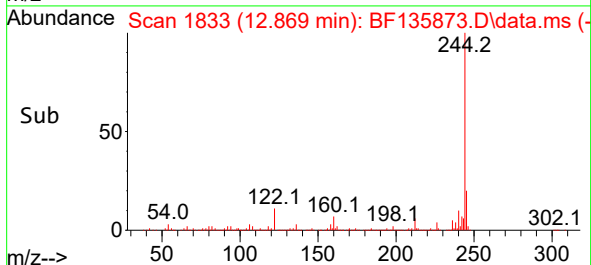
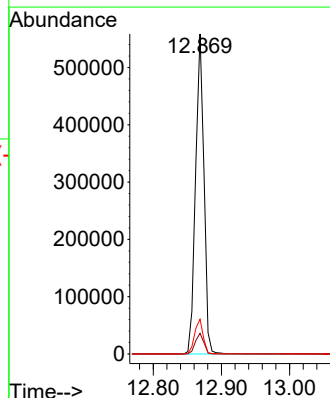
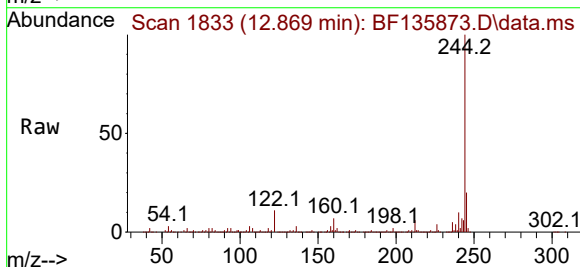
Tgt Ion:244 Resp: 475479

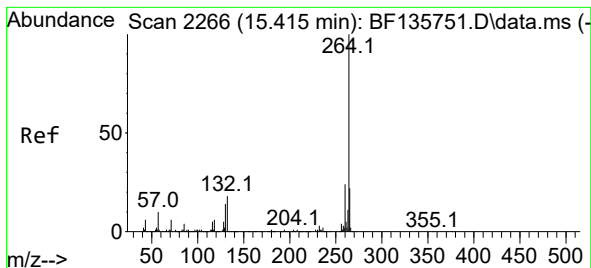
Ion Ratio Lower Upper

244 100

212 6.4 5.6 8.4

122 10.8 9.0 13.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF135873.D

Acq: 19 Oct 2023 04:30

Instrument :

BNA_F

ClientSampleId :

WC-2

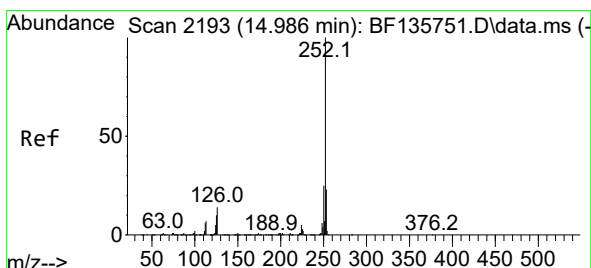
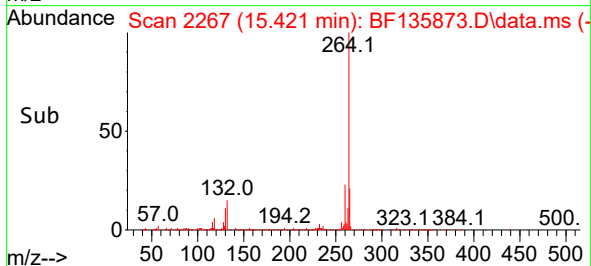
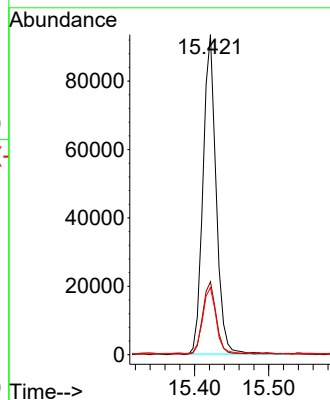
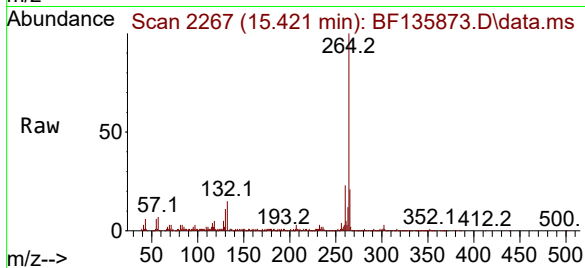
Tgt Ion:264 Resp: 114777

Ion Ratio Lower Upper

264 100

260 22.8 19.2 28.8

265 20.9 17.4 26.2



#88

Benzo(b)fluoranthene

Concen: 2.035 ng

RT: 14.992 min Scan# 2194

Delta R.T. -0.000 min

Lab File: BF135873.D

Acq: 19 Oct 2023 04:30

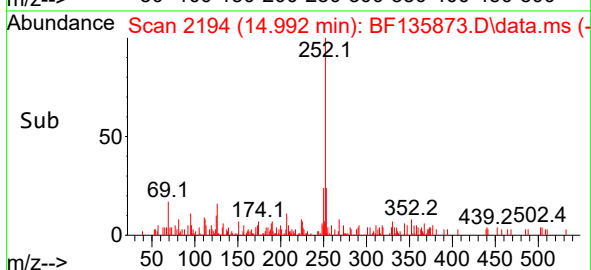
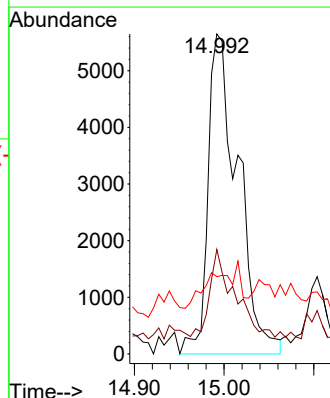
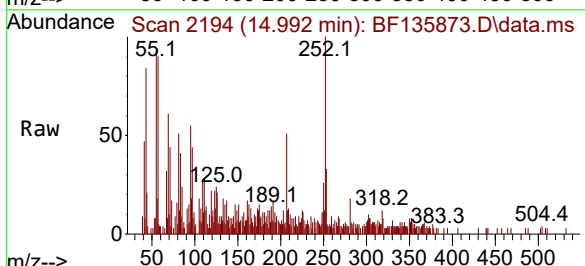
Tgt Ion:252 Resp: 13075

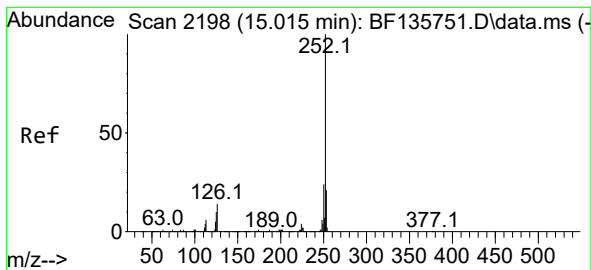
Ion Ratio Lower Upper

252 100

253 32.7 18.2 27.2#

125 24.1 8.2 12.2#





#89

Benzo(k)fluoranthene

Concen: 2.097 ng

RT: 14.992 min Scan# 21

Delta R.T. -0.030 min

Lab File: BF135873.D

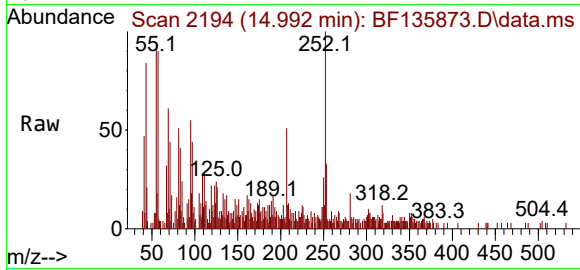
Acq: 19 Oct 2023 04:30

Instrument :

BNA_F

ClientSampleId :

WC-2



Tgt Ion:252 Resp: 13075

Ion Ratio Lower Upper

252 100

253 32.7 17.4 26.0#

125 24.1 8.3 12.5#

