

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081123\
 Data File : BF134725.D
 Acq On : 11 Aug 2023 10:54
 Operator : CG\JU
 Sample : 03955-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-22

Quant Time: Aug 11 22:19:50 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 09:29:15 2023
 Response via : Initial Calibration

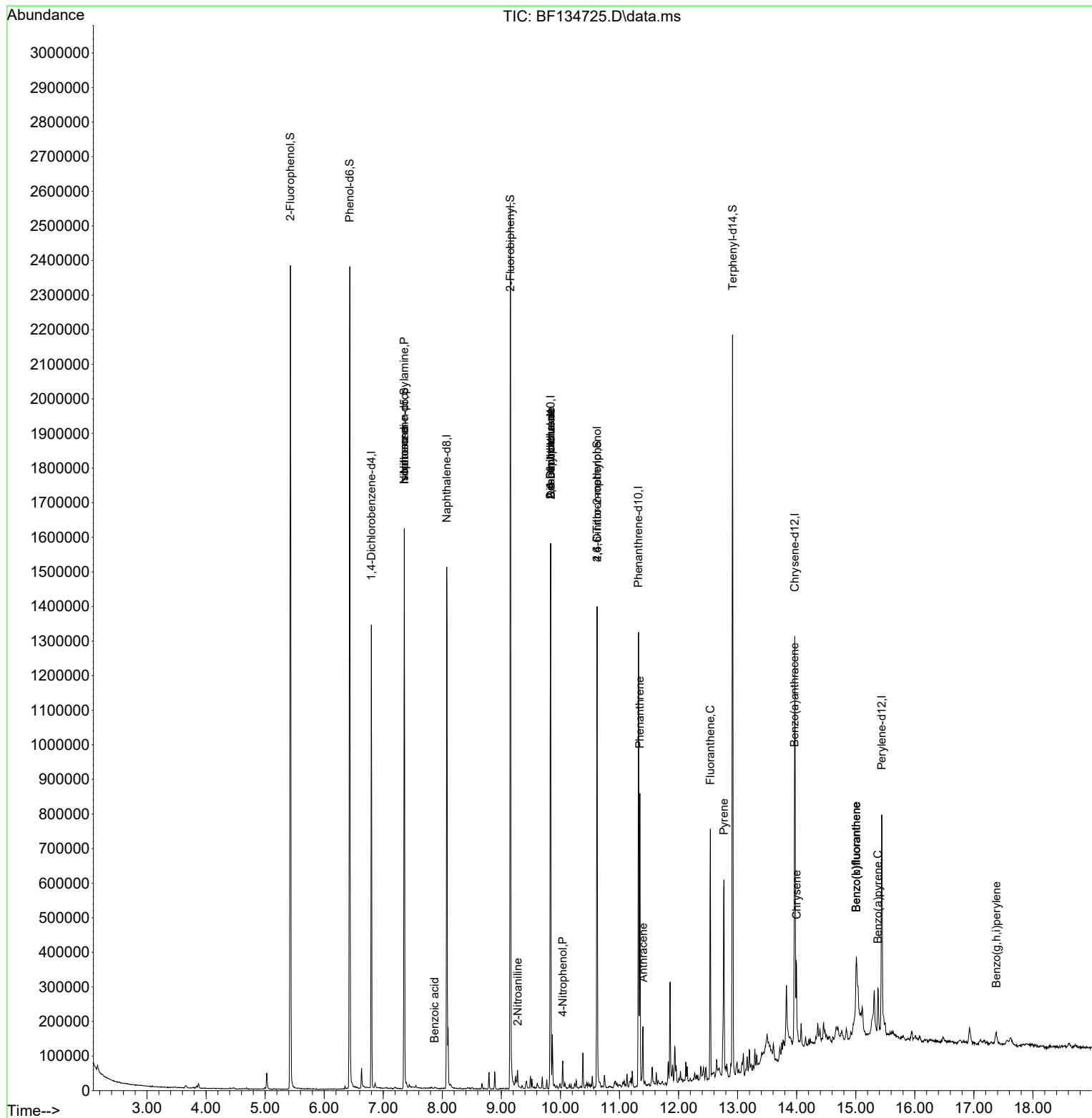
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	174229	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	664599	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	294838	20.000	ng	0.00
64) Phenanthrene-d10	11.321	188	462381	20.000	ng	# 0.00
76) Chrysene-d12	13.968	240	347252	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	303320	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	632042	55.144	ng	0.00
7) Phenol-d6	6.434	99	777552	53.070	ng	0.00
23) Nitrobenzene-d5	7.357	82	470972	44.286	ng	-0.01
42) 2,4,6-Tribromophenol	10.621	330	156698	52.135	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	840202	47.382	ng	-0.01
79) Terphenyl-d14	12.915	244	724150	36.762	ng	0.00
Target Compounds						
9) Benzaldehyde	6.351	77	2006	Below Cal		Qvalue 84
19) n-Nitroso-di-n-propyla...	7.357	70	64302	7.330	ng	# 71
25) Isophorone	7.357	82	469527	20.242	ng	# 65
32) Benzoic acid	7.869	122	370	7.913	ng	# 24
48) 2-Nitroaniline	9.274	65	692	3.287	ng	# 8
50) Dimethylphthalate	9.833	163	60212	2.996	ng	# 1
51) 2,6-Dinitrotoluene	9.833	165	39142	11.508	ng	# 17
56) 4-Nitrophenol	10.039	139	8734	2.384	ng	# 1
57) 2,4-Dinitrotoluene	9.833	165	39142	10.254	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.621	198	341	8.848	ng	# 1
71) Phenanthrene	11.345	178	275395	11.213	ng	98
72) Anthracene	11.398	178	67968	2.709	ng	98
75) Fluoranthene	12.539	202	264993	10.214	ng	98
78) Pyrene	12.768	202	238495	7.937	ng	98
81) Benzo(a)anthracene	13.962	228	102278	4.119	ng	99
83) Chrysene	13.998	228	92602	3.828	ng	97
88) Benzo(b)fluoranthene	15.009	252	121922	6.591	ng	# 96
89) Benzo(k)fluoranthene	15.009	252	121922	6.616	ng	# 96
90) Benzo(a)pyrene	15.374	252	64665	3.749	ng	# 93
92) Benzo(g,h,i)perylene	17.380	276	30082	2.046	ng	# 91

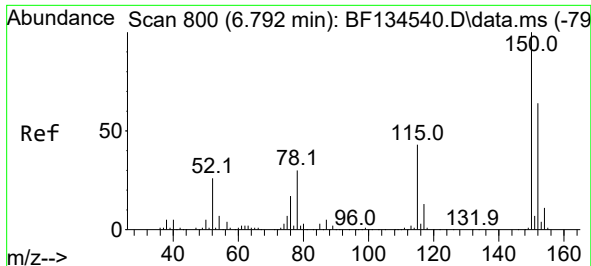
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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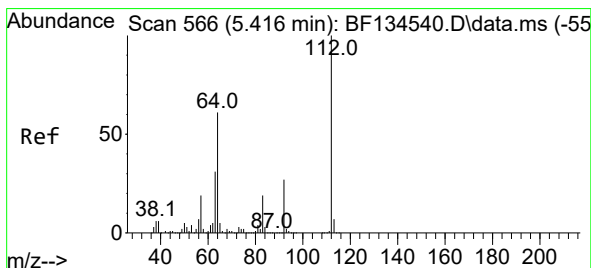
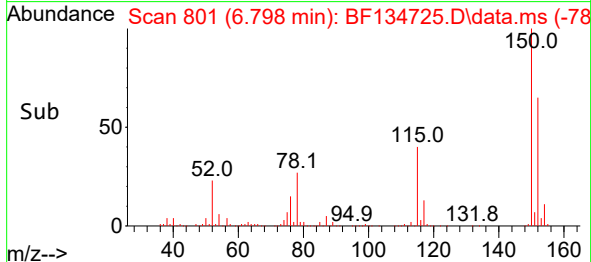
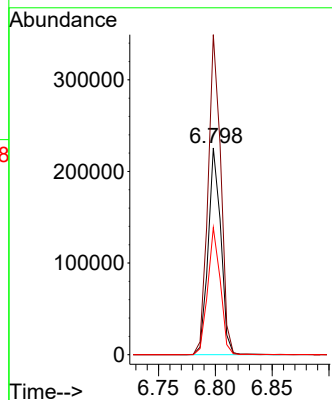
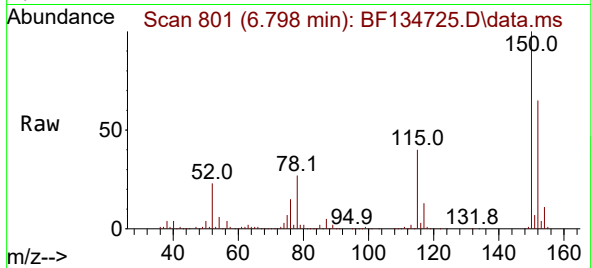




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134725.D
Acq: 11 Aug 2023 10:54

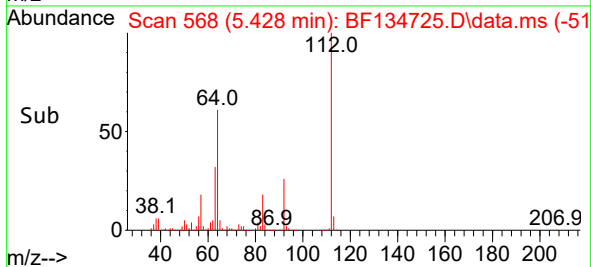
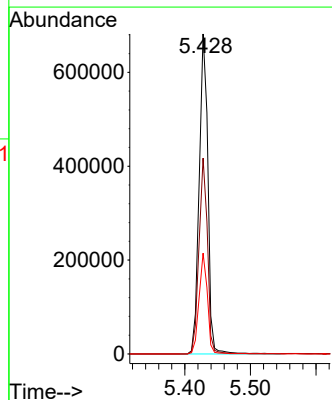
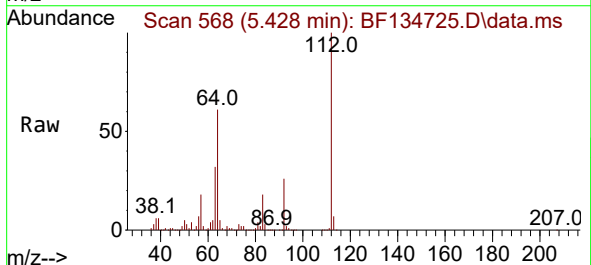
Instrument :
BNA_F
ClientSampleId :
WC-22

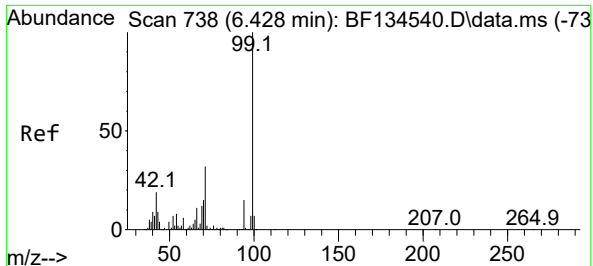
Tgt Ion:152 Resp: 174229
Ion Ratio Lower Upper
152 100
150 154.8 128.3 192.5
115 61.5 52.4 78.6



#5
2-Fluorophenol
Concen: 55.144 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.000 min
Lab File: BF134725.D
Acq: 11 Aug 2023 10:54

Tgt Ion:112 Resp: 632042
Ion Ratio Lower Upper
112 100
64 61.2 44.9 67.3
63 31.5 25.4 38.0

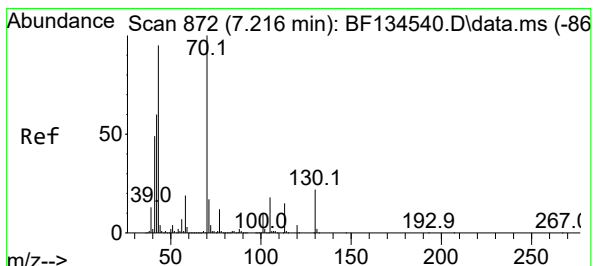
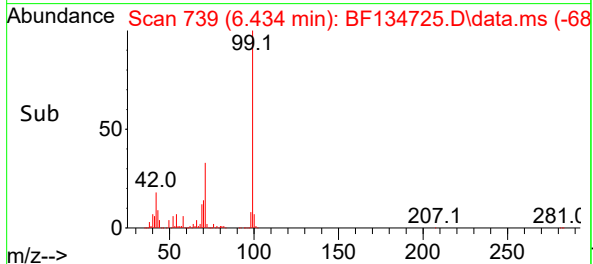
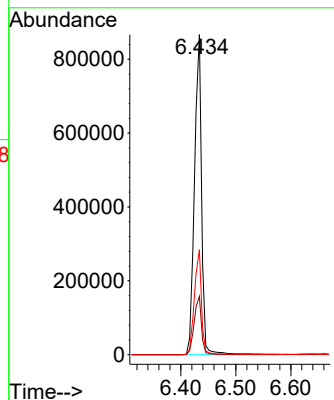
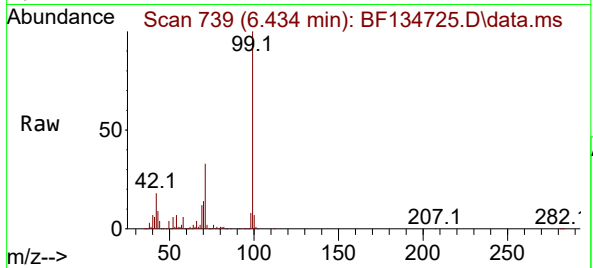




#7
Phenol-d6
Concen: 53.070 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF134725.D
Acq: 11 Aug 2023 10:54

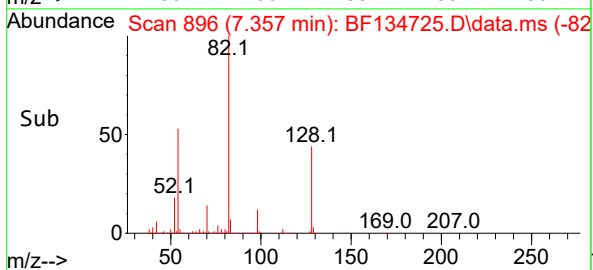
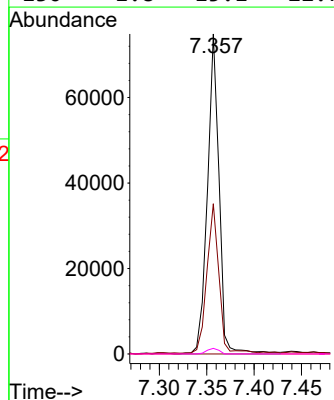
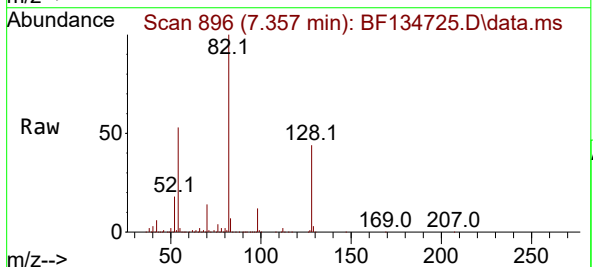
Instrument :
BNA_F
ClientSampleId :
WC-22

Tgt Ion: 99 Resp: 777552
Ion Ratio Lower Upper
99 100
42 18.2 18.7 28.1#
71 32.8 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 7.330 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.135 min
Lab File: BF134725.D
Acq: 11 Aug 2023 10:54

Tgt Ion: 70 Resp: 64302
Ion Ratio Lower Upper
70 100
42 47.0 54.7 82.1#
101 0.0 8.2 12.2#
130 1.8 15.1 22.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.075 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BF134725.D

Acq: 11 Aug 2023 10:54

Instrument :

BNA_F

ClientSampleId :

WC-22

Tgt Ion:136 Resp: 664599

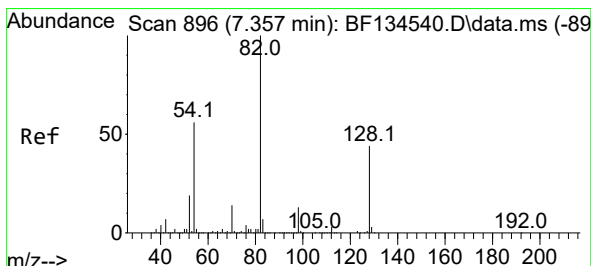
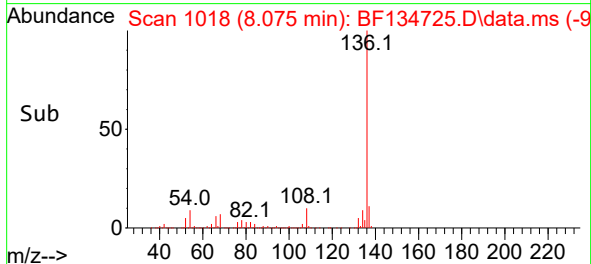
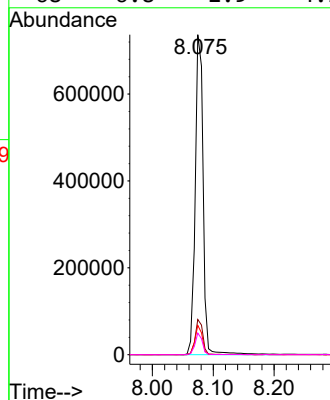
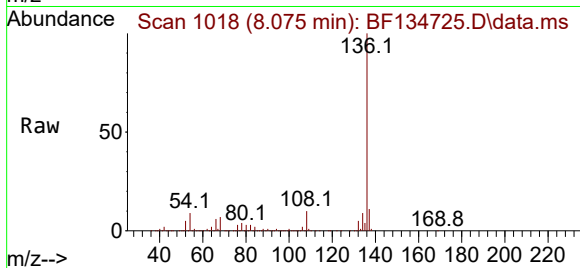
Ion Ratio Lower Upper

136 100

137 11.0 8.4 12.6

54 9.1 5.2 7.8#

68 6.8 2.9 4.3#



#23

Nitrobenzene-d5

Concen: 44.286 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF134725.D

Acq: 11 Aug 2023 10:54

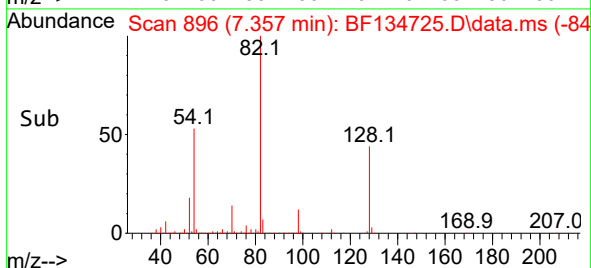
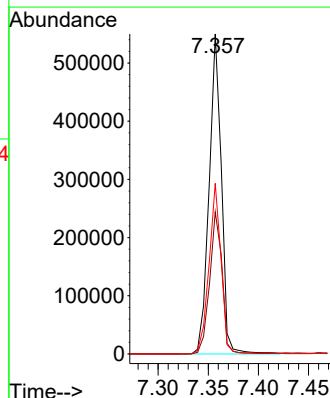
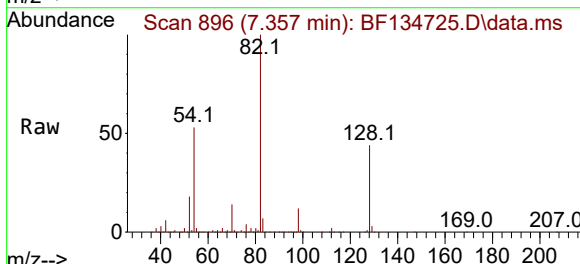
Tgt Ion: 82 Resp: 470972

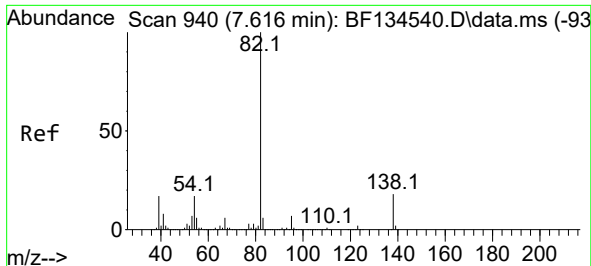
Ion Ratio Lower Upper

82 100

128 44.4 34.3 51.5

54 53.3 43.8 65.6

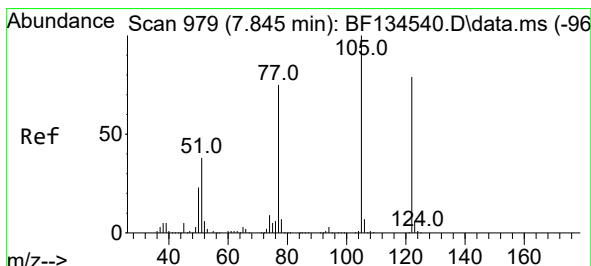
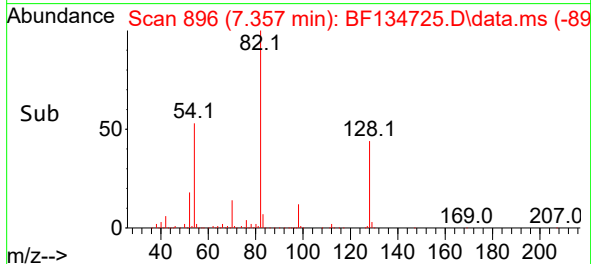
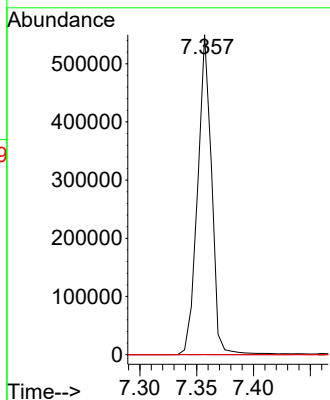
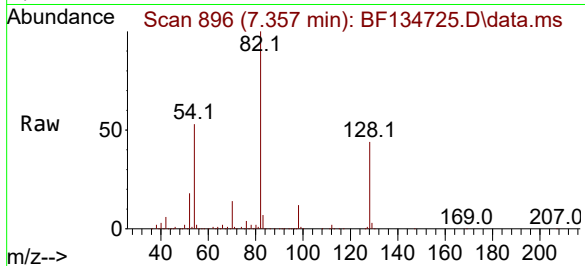




#25
Isophorone
Concen: 20.242 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.271 min
Lab File: BF134725.D
Acq: 11 Aug 2023 10:54

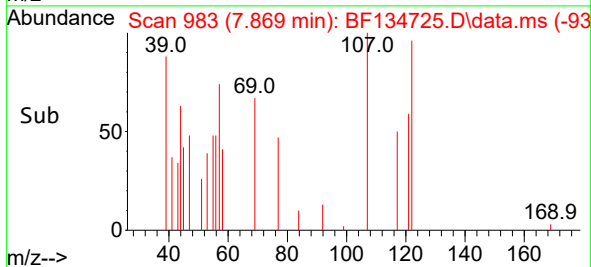
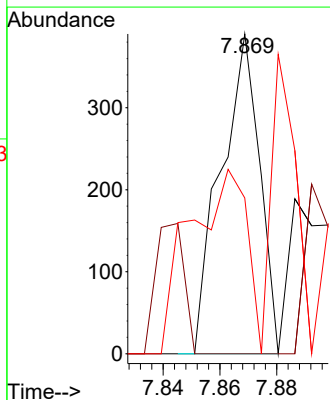
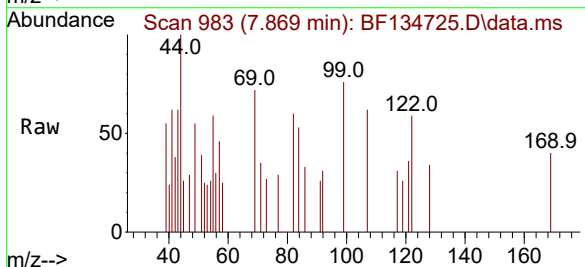
Instrument :
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ClientSampleId :
WC-22

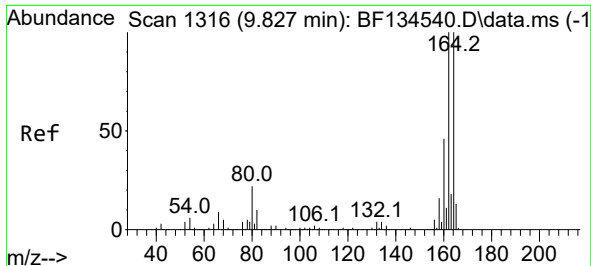
Tgt Ion: 82 Resp: 469527
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#



#32
Benzoic acid
Concen: 7.913 ng
RT: 7.869 min Scan# 983
Delta R.T. 0.006 min
Lab File: BF134725.D
Acq: 11 Aug 2023 10:54

Tgt Ion:122 Resp: 370
Ion Ratio Lower Upper
122 100
105 0.0 87.5 127.5#
77 48.7 71.4 111.4#

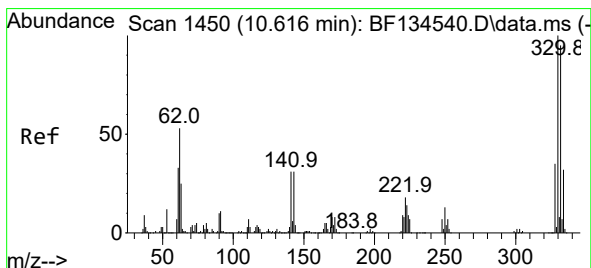
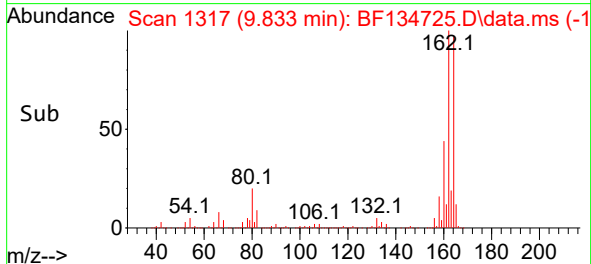
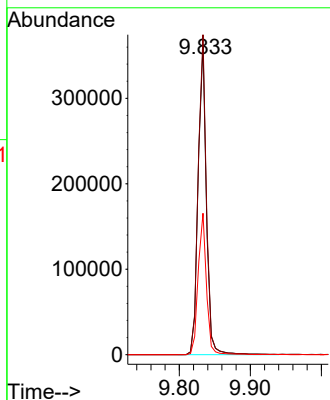
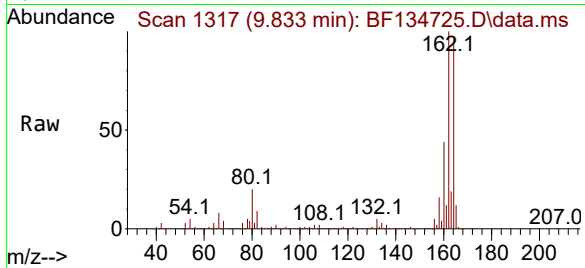




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF134725.D
Acq: 11 Aug 2023 10:54

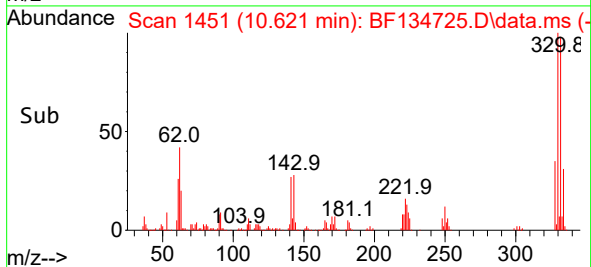
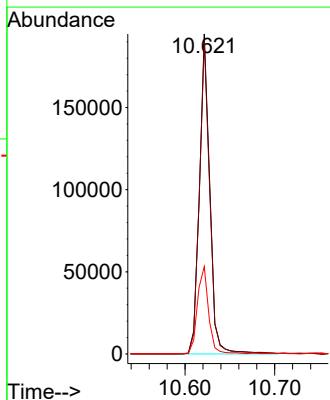
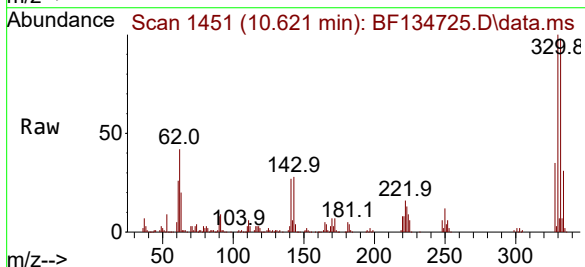
Instrument :
BNA_F
ClientSampleId :
WC-22

Tgt Ion:164 Resp: 294838
Ion Ratio Lower Upper
164 100
162 103.1 82.6 123.8
160 45.6 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 52.135 ng
RT: 10.621 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF134725.D
Acq: 11 Aug 2023 10:54

Tgt Ion:330 Resp: 156698
Ion Ratio Lower Upper
330 100
332 98.0 78.8 118.2
141 29.7 25.4 38.2





#45

2-Fluorobiphenyl

Concen: 47.382 ng

RT: 9.151 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF134725.D

Acq: 11 Aug 2023 10:54

Instrument :

BNA_F

ClientSampleId :

WC-22

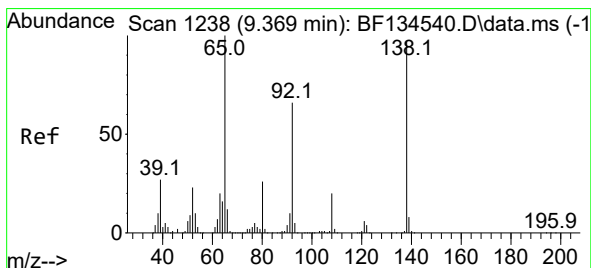
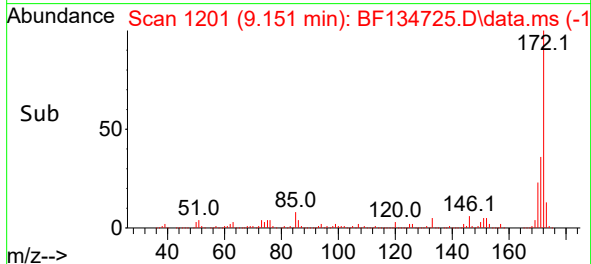
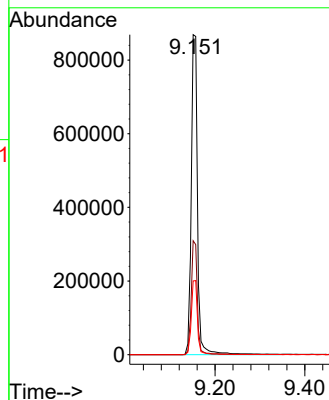
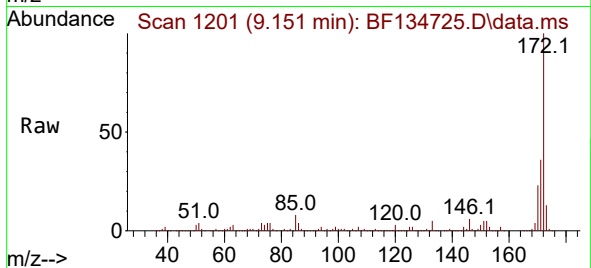
Tgt Ion:172 Resp: 840202

Ion Ratio Lower Upper

172 100

171 35.6 28.8 43.2

170 23.1 18.7 28.1



#48

2-Nitroaniline

Concen: 3.287 ng

RT: 9.274 min Scan# 1222

Delta R.T. -0.106 min

Lab File: BF134725.D

Acq: 11 Aug 2023 10:54

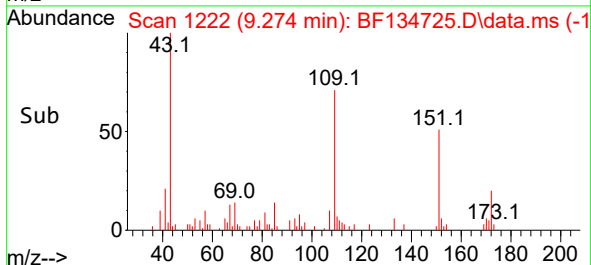
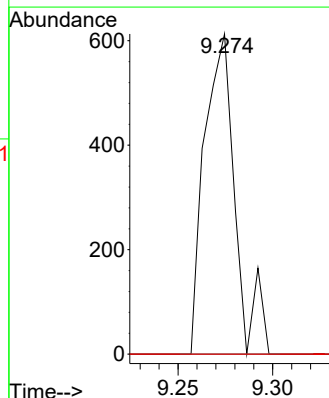
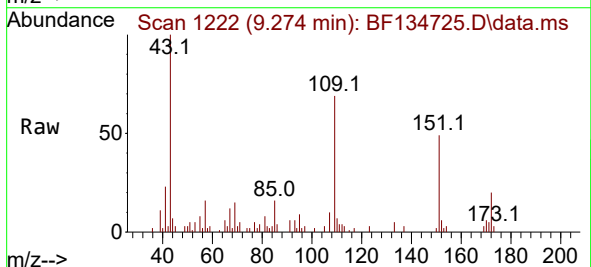
Tgt Ion: 65 Resp: 692

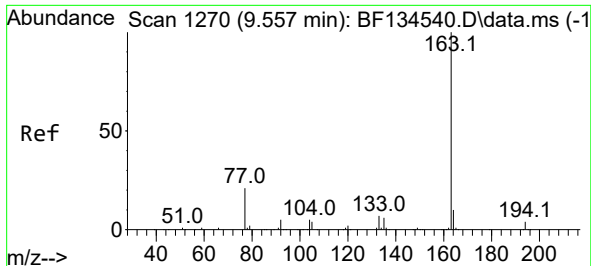
Ion Ratio Lower Upper

65 100

92 0.0 50.7 76.1#

138 0.0 78.2 117.4#

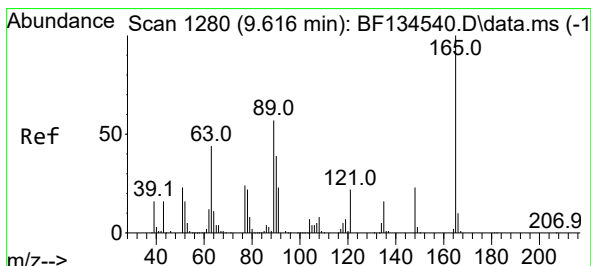
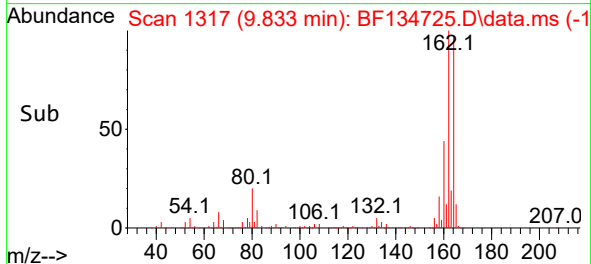
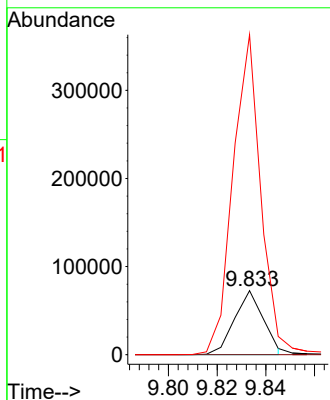
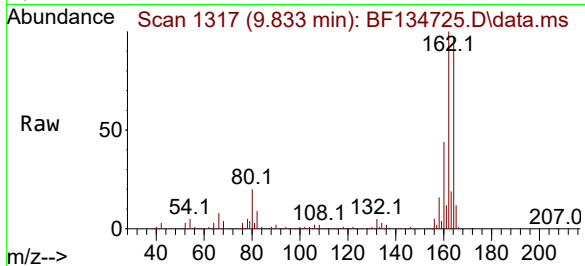




#50
Dimethylphthalate
Concen: 2.996 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.265 min
Lab File: BF134725.D
Acq: 11 Aug 2023 10:54

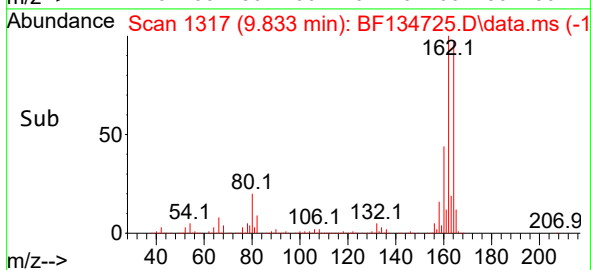
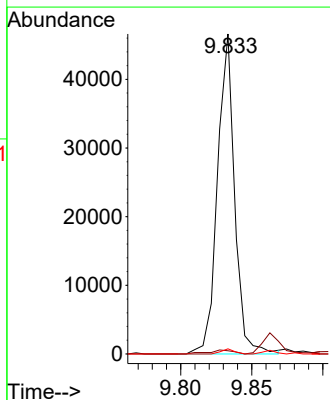
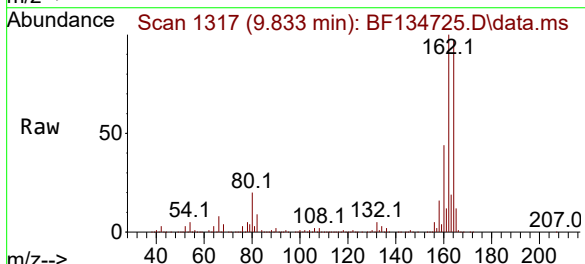
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BNA_F
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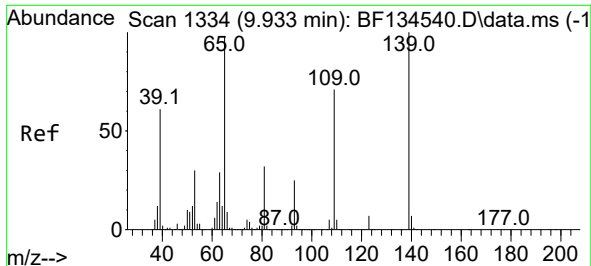
Tgt Ion:163 Resp: 60212
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 499.6 7.5 11.3#



#51
2,6-Dinitrotoluene
Concen: 11.508 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.206 min
Lab File: BF134725.D
Acq: 11 Aug 2023 10:54

Tgt Ion:165 Resp: 39142
Ion Ratio Lower Upper
165 100
63 1.0 57.8 86.6#
89 1.6 51.8 77.8#

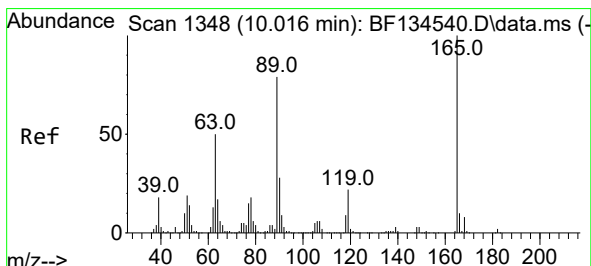
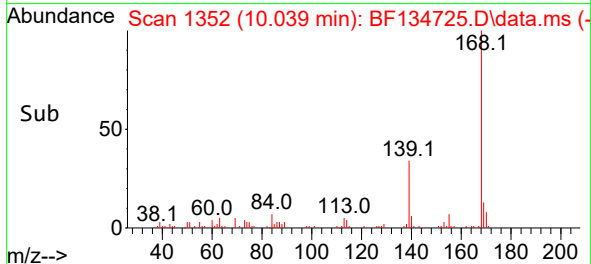
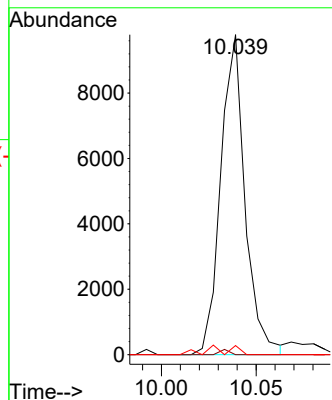
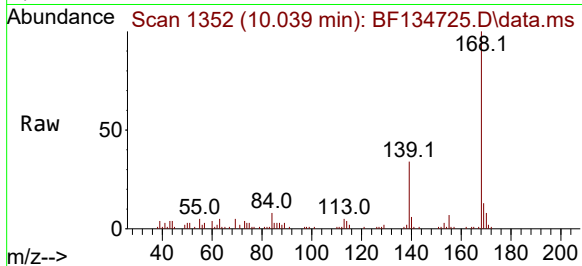




#56
4-Nitrophenol
Concen: 2.384 ng
RT: 10.039 min Scan# 11
Delta R.T. 0.088 min
Lab File: BF134725.D
Acq: 11 Aug 2023 10:54

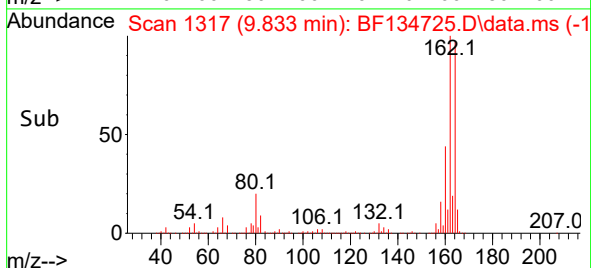
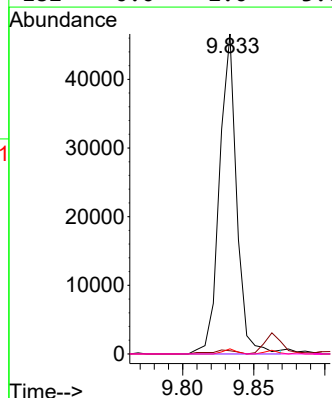
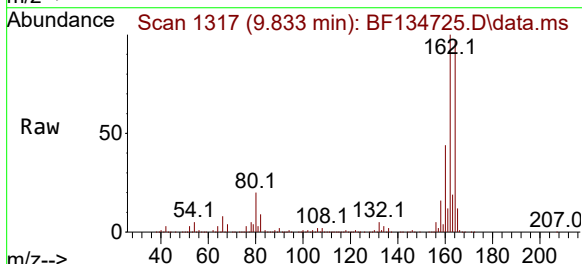
Instrument :
BNA_F
ClientSampleId :
WC-22

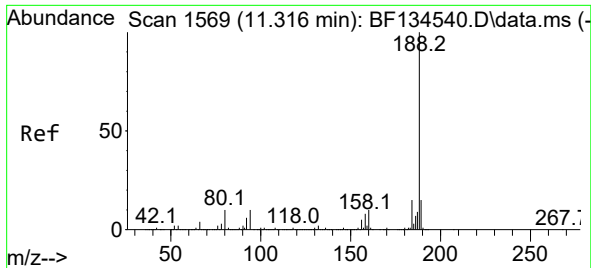
Tgt Ion:139 Resp: 8734
Ion Ratio Lower Upper
139 100
109 0.0 76.9 116.9#
65 2.9 98.5 138.5#



#57
2,4-Dinitrotoluene
Concen: 10.254 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.194 min
Lab File: BF134725.D
Acq: 11 Aug 2023 10:54

Tgt Ion:165 Resp: 39142
Ion Ratio Lower Upper
165 100
63 1.0 48.9 73.3#
89 1.6 61.7 92.5#
182 0.0 2.0 3.0#

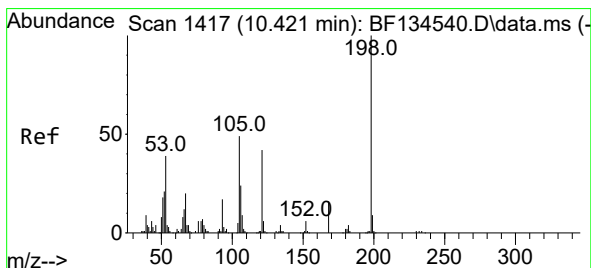
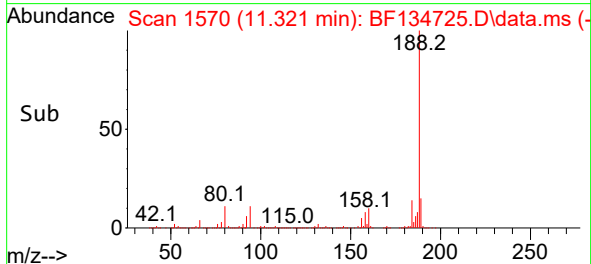
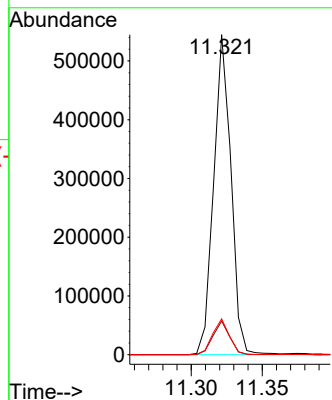
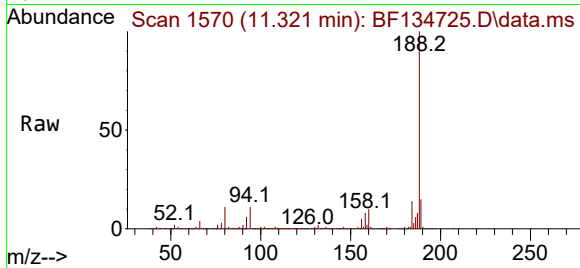




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.321 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF134725.D
Acq: 11 Aug 2023 10:54

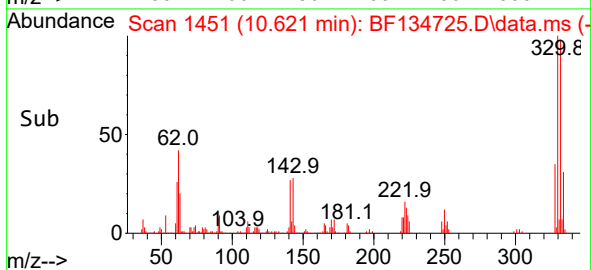
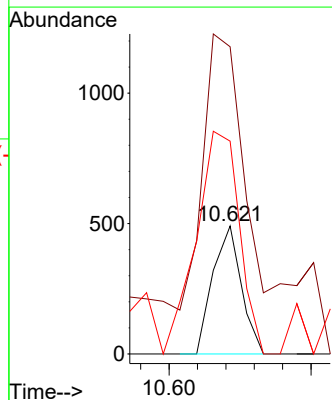
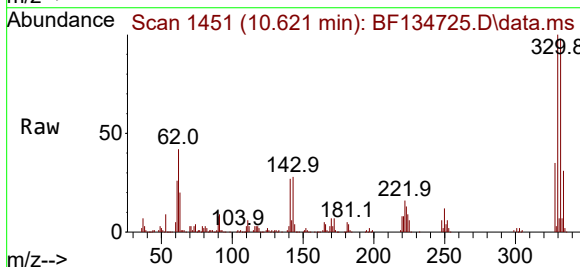
Instrument :
BNA_F
ClientSampleId :
WC-22

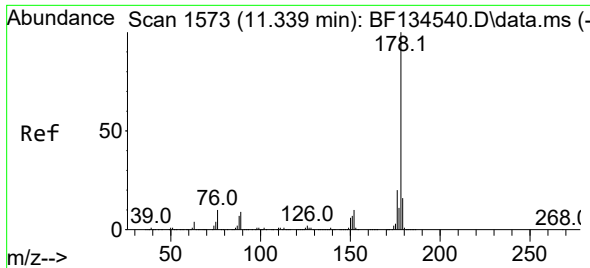
Tgt Ion:188 Resp: 462381
Ion Ratio Lower Upper
188 100
94 10.5 5.1 7.7#
80 11.2 6.6 9.8#



#65
4,6-Dinitro-2-methylphenol
Concen: 8.848 ng
RT: 10.621 min Scan# 1451
Delta R.T. 0.182 min
Lab File: BF134725.D
Acq: 11 Aug 2023 10:54

Tgt Ion:198 Resp: 341
Ion Ratio Lower Upper
198 100
51 239.9 38.6 78.6#
105 166.2 27.9 67.9#

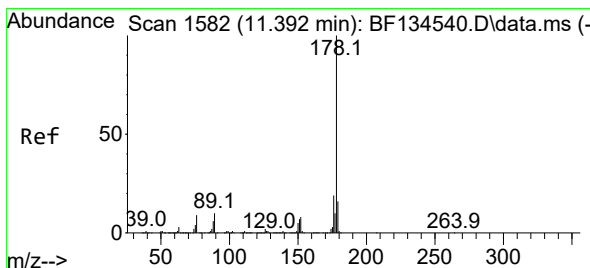
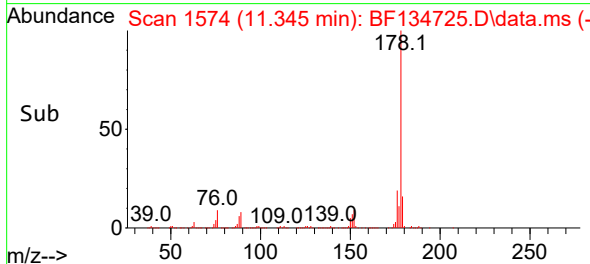
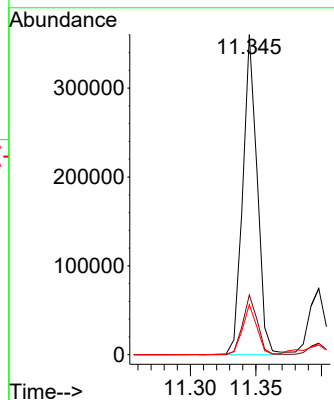
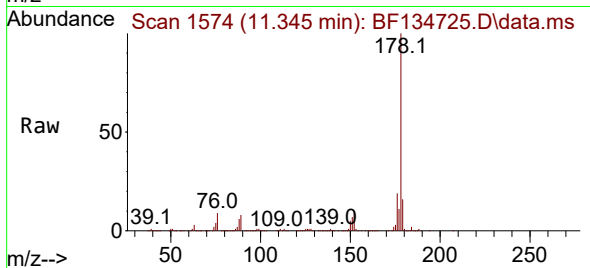




#71
Phenanthrene
Concen: 11.213 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF134725.D
Acq: 11 Aug 2023 10:54

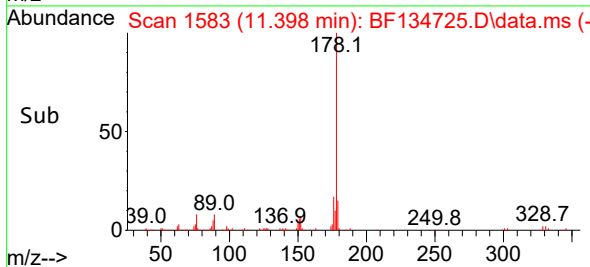
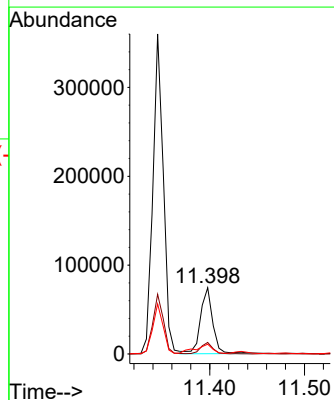
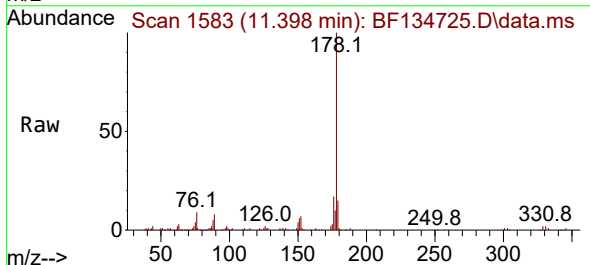
Instrument :
BNA_F
ClientSampleId :
WC-22

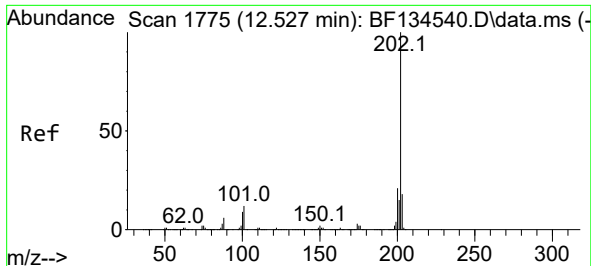
Tgt Ion:178 Resp: 275395
Ion Ratio Lower Upper
178 100
176 18.7 15.8 23.6
179 15.6 12.7 19.1



#72
Anthracene
Concen: 2.709 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF134725.D
Acq: 11 Aug 2023 10:54

Tgt Ion:178 Resp: 67968
Ion Ratio Lower Upper
178 100
176 17.3 14.6 21.8
179 14.6 12.3 18.5

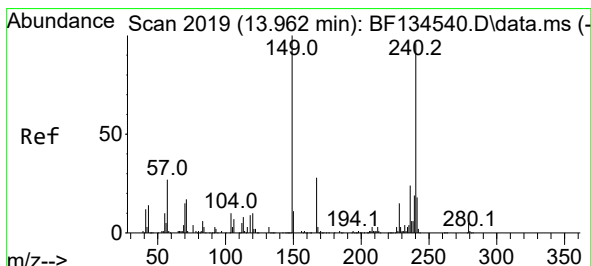
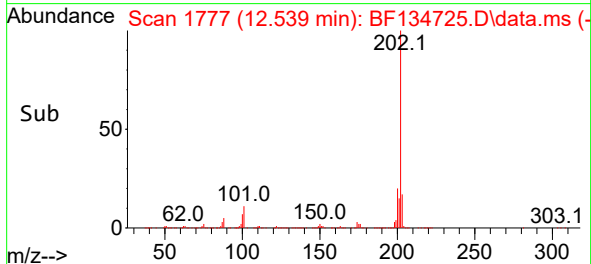
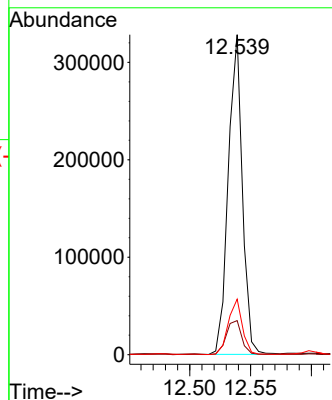
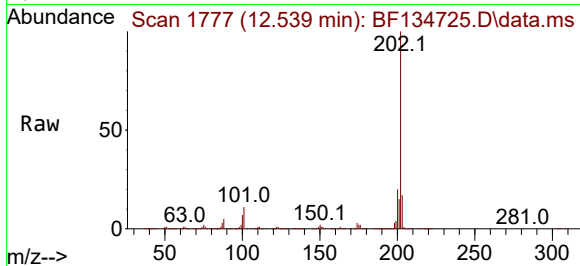




#75
Fluoranthene
Concen: 10.214 ng
RT: 12.539 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF134725.D
Acq: 11 Aug 2023 10:54

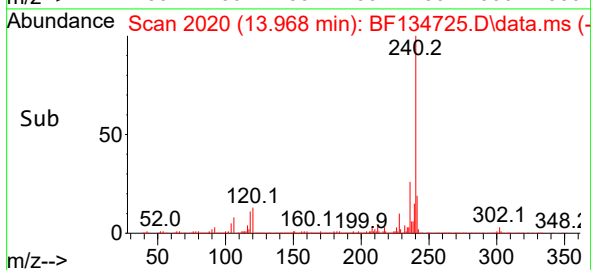
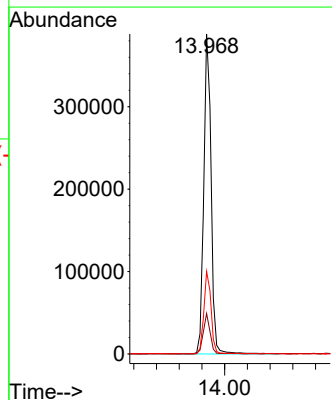
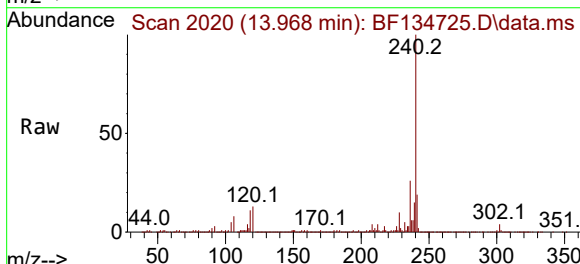
Instrument :
BNA_F
ClientSampleId :
WC-22

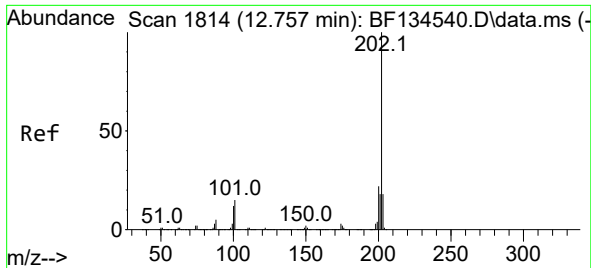
Tgt Ion:202 Resp: 264993
Ion Ratio Lower Upper
202 100
101 10.6 0.0 28.5
203 17.3 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF134725.D
Acq: 11 Aug 2023 10:54

Tgt Ion:240 Resp: 347252
Ion Ratio Lower Upper
240 100
120 12.7 6.6 10.0#
236 25.8 20.2 30.2

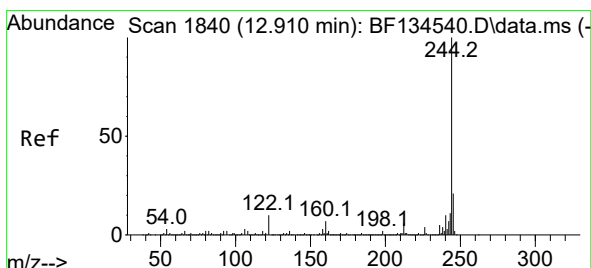
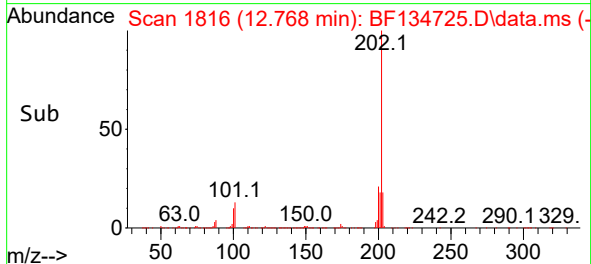
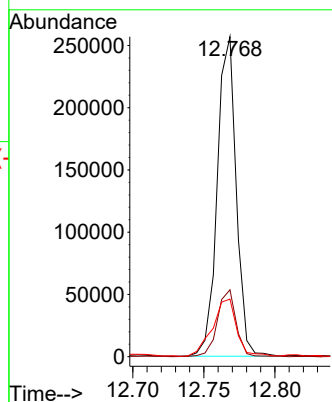
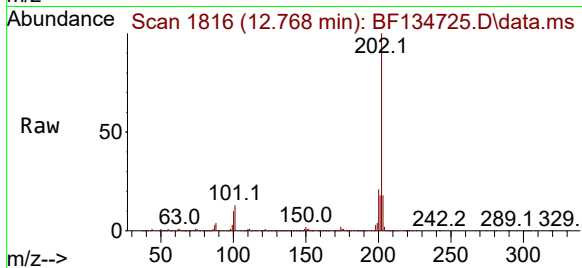




#78
 Pyrene
 Concen: 7.937 ng
 RT: 12.768 min Scan# 1816
 Delta R.T. -0.000 min
 Lab File: BF134725.D
 Acq: 11 Aug 2023 10:54

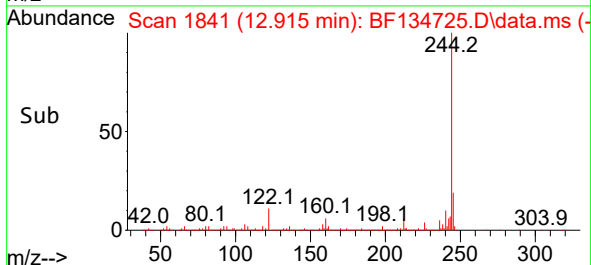
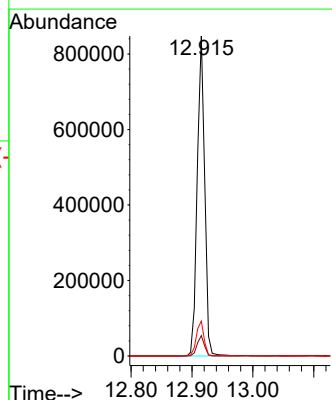
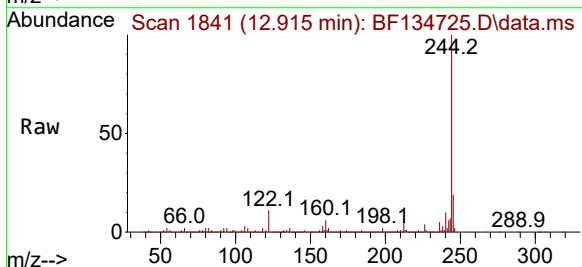
Instrument :
 BNA_F
 ClientSampleId :
 WC-22

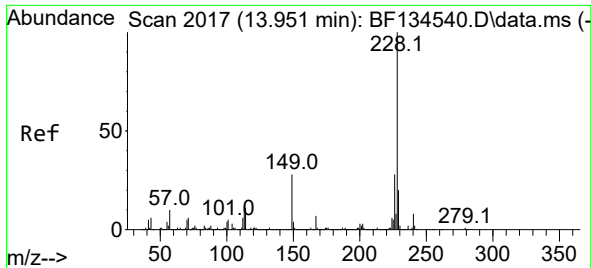
Tgt Ion:202 Resp: 238495
 Ion Ratio Lower Upper
 202 100
 200 20.9 15.8 23.8
 203 18.0 13.5 20.3



#79
 Terphenyl-d14
 Concen: 36.762 ng
 RT: 12.915 min Scan# 1841
 Delta R.T. -0.006 min
 Lab File: BF134725.D
 Acq: 11 Aug 2023 10:54

Tgt Ion:244 Resp: 724150
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.6 8.4
 122 10.9 8.0 12.0

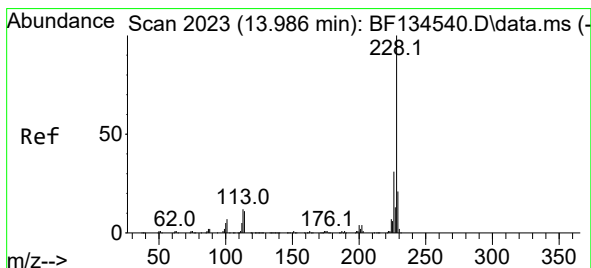
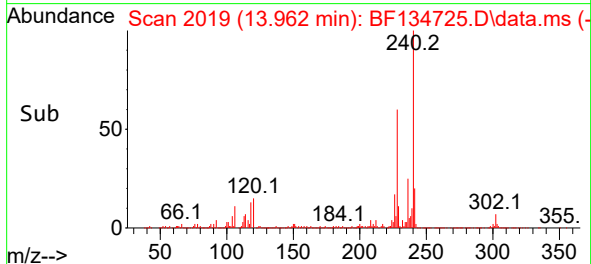
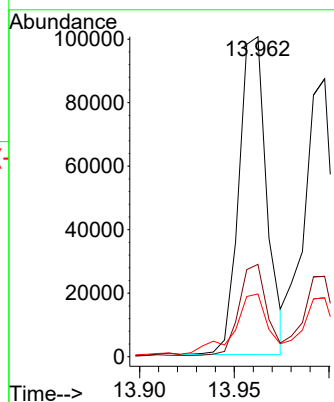
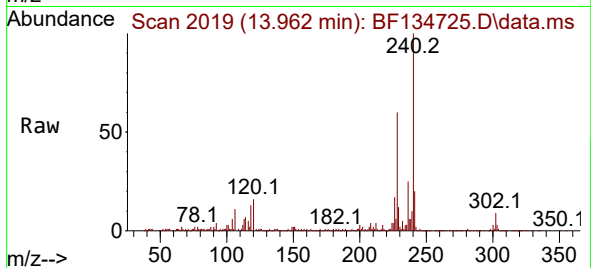




#81
Benzo(a)anthracene
Concen: 4.119 ng
RT: 13.962 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF134725.D
Acq: 11 Aug 2023 10:54

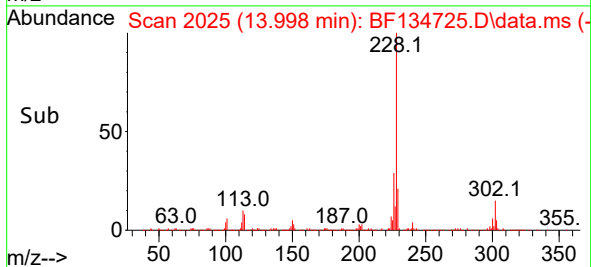
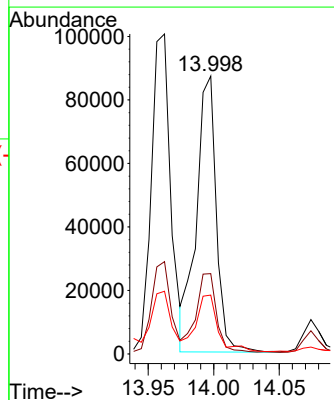
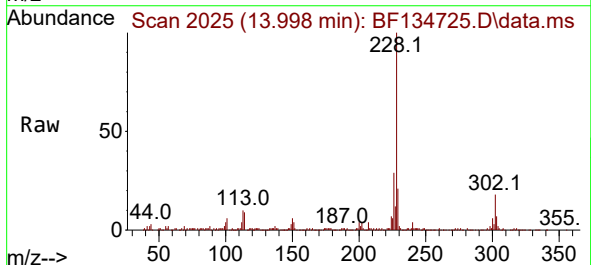
Instrument :
BNA_F
ClientSampleId :
WC-22

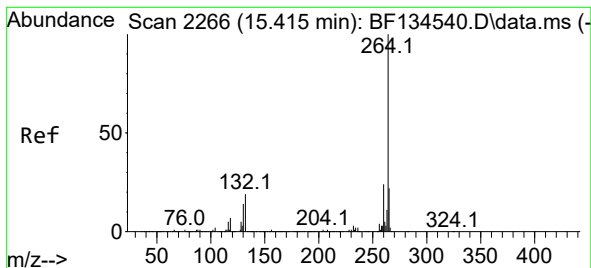
Tgt Ion:228 Resp: 102278
Ion Ratio Lower Upper
228 100
226 28.8 22.3 33.5
229 19.6 15.8 23.6



#83
Chrysene
Concen: 3.828 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BF134725.D
Acq: 11 Aug 2023 10:54

Tgt Ion:228 Resp: 92602
Ion Ratio Lower Upper
228 100
226 28.9 24.5 36.7
229 21.2 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF134725.D

Acq: 11 Aug 2023 10:54

Instrument :

BNA_F

ClientSampleId :

WC-22

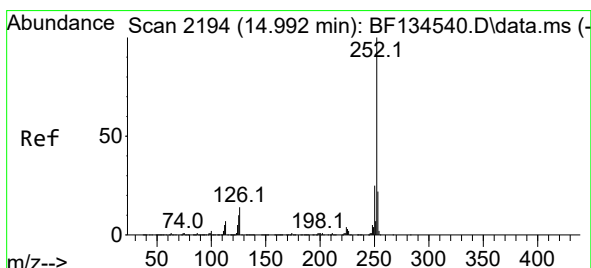
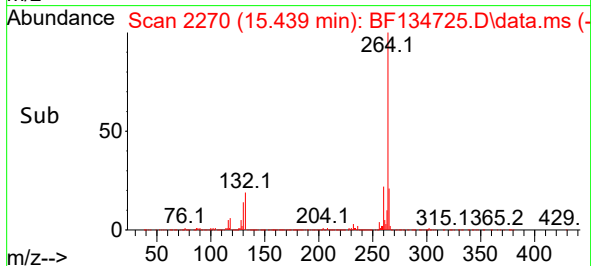
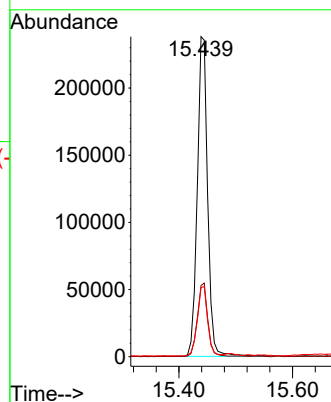
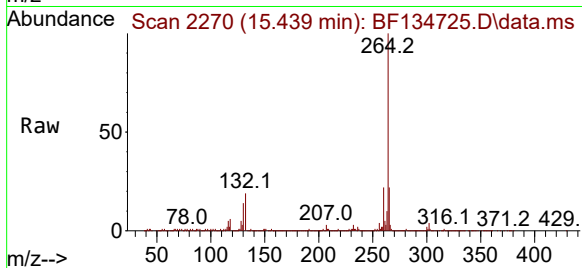
Tgt Ion:264 Resp: 303320

Ion Ratio Lower Upper

264 100

260 22.2 18.4 27.6

265 21.6 15.8 23.8



#88

Benzo(b)fluoranthene

Concen: 6.591 ng

RT: 15.009 min Scan# 2197

Delta R.T. -0.000 min

Lab File: BF134725.D

Acq: 11 Aug 2023 10:54

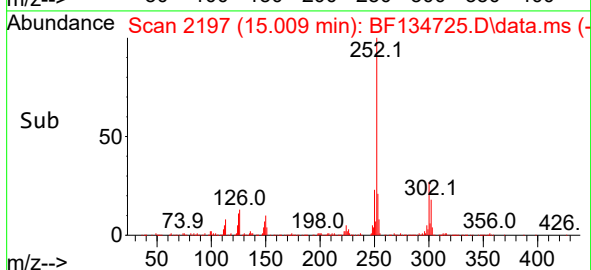
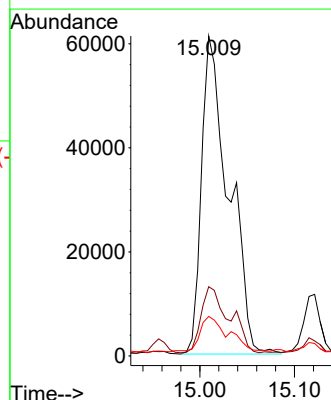
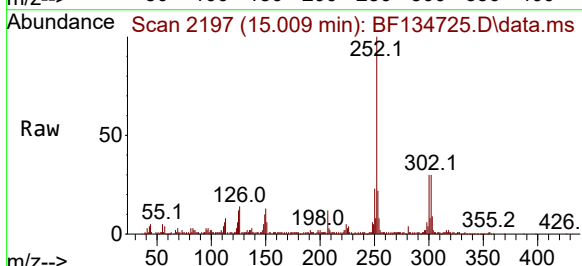
Tgt Ion:252 Resp: 121922

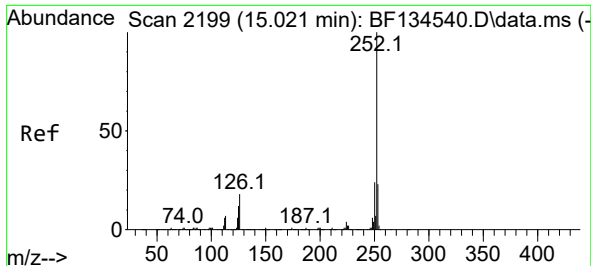
Ion Ratio Lower Upper

252 100

253 21.7 17.3 25.9

125 12.3 6.0 9.0#

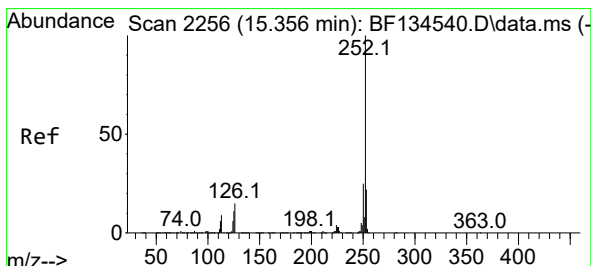
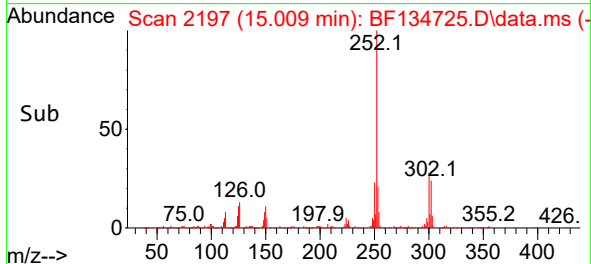
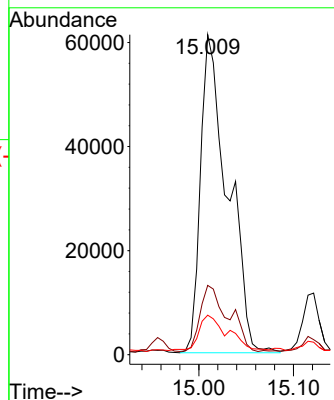
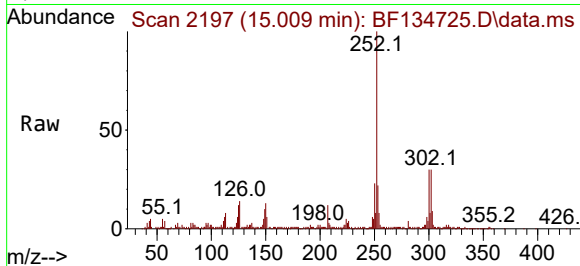




#89
Benzo(k)fluoranthene
Concen: 6.616 ng
RT: 15.009 min Scan# 2199
Delta R.T. -0.030 min
Lab File: BF134725.D
Acq: 11 Aug 2023 10:54

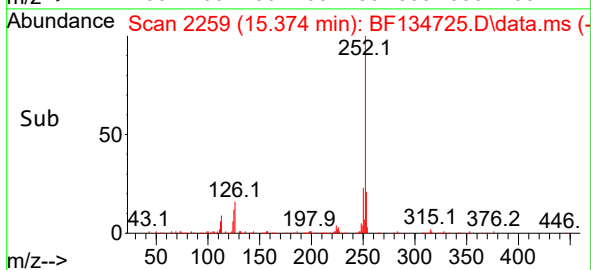
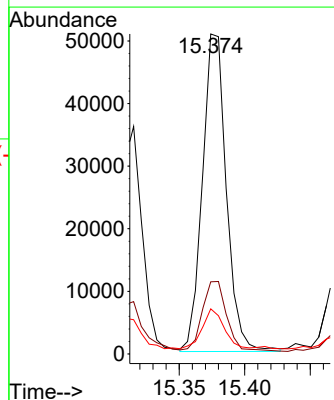
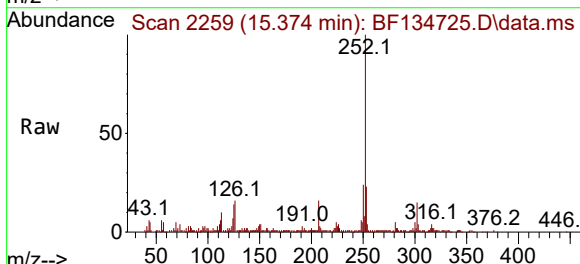
Instrument :
BNA_F
ClientSampleId :
WC-22

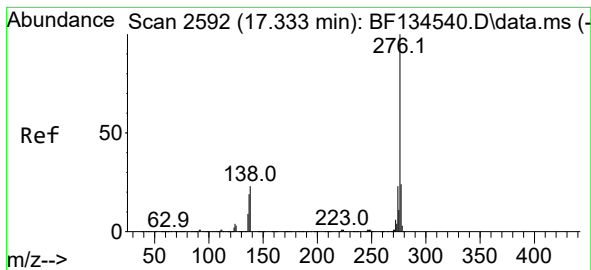
Tgt Ion:252 Resp: 121922
Ion Ratio Lower Upper
252 100
253 21.7 17.9 26.9
125 12.3 6.3 9.5#



#90
Benzo(a)pyrene
Concen: 3.749 ng
RT: 15.374 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF134725.D
Acq: 11 Aug 2023 10:54

Tgt Ion:252 Resp: 64665
Ion Ratio Lower Upper
252 100
253 22.6 17.0 25.4
125 14.1 6.2 9.4#





#92

Benzo(g,h,i)perylene

Concen: 2.046 ng

RT: 17.380 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF134725.D

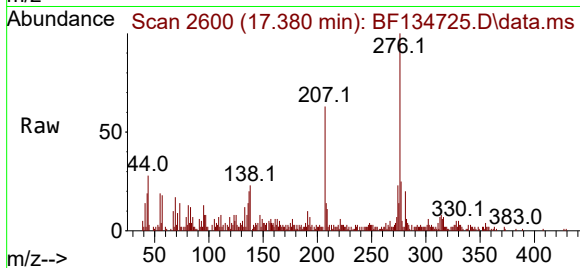
Acq: 11 Aug 2023 10:54

Instrument :

BNA_F

ClientSampleId :

WC-22



Tgt Ion:276 Resp: 30082

Ion Ratio Lower Upper

276 100

277 24.6 19.0 28.6

138 23.5 12.2 18.2#

