

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081723\
 Data File : BF134826.D
 Acq On : 17 Aug 2023 20:01
 Operator : CG\JU
 Sample : 04045-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 350

Quant Time: Aug 18 01:07:57 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

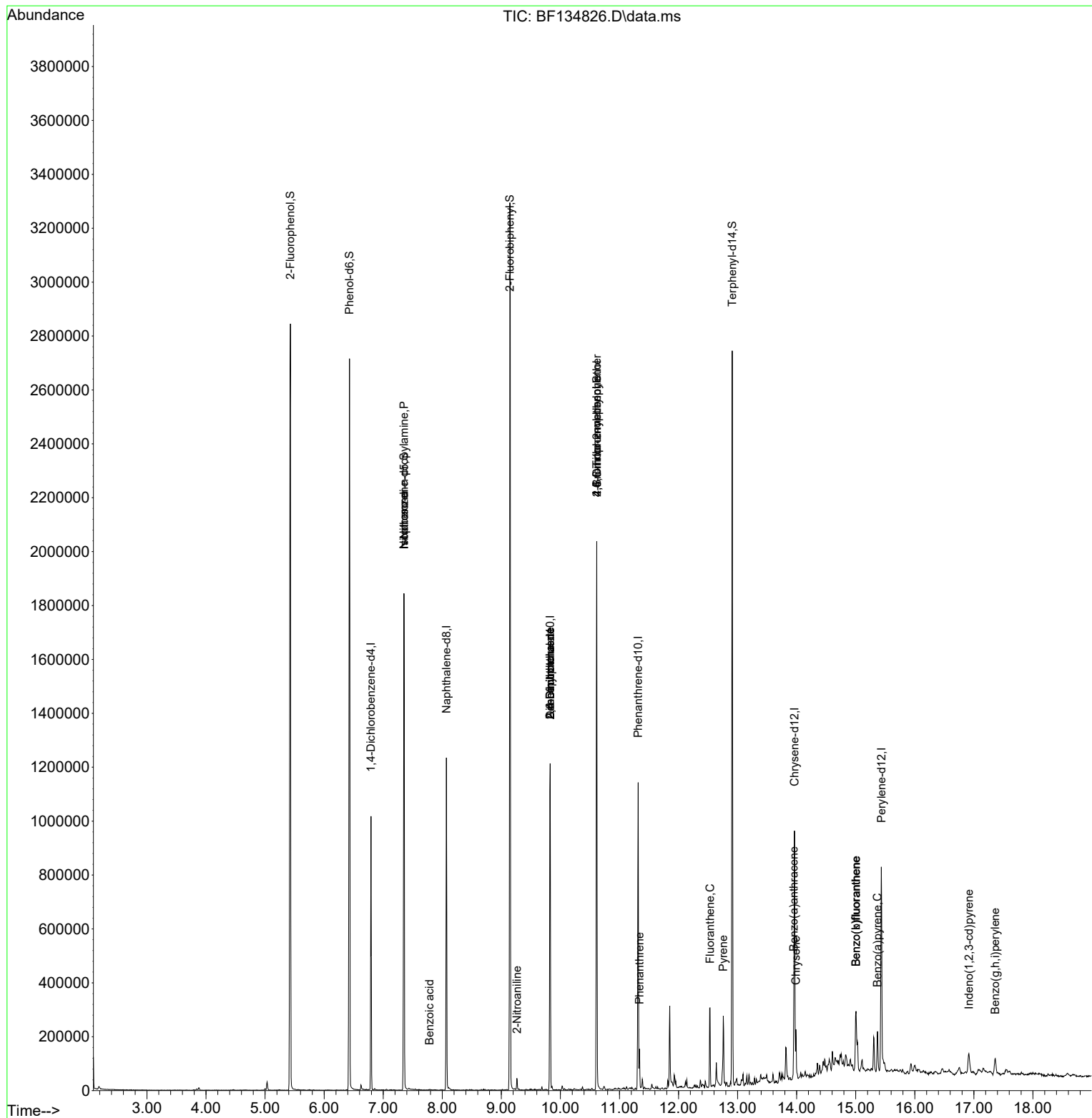
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	130015	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	505757	20.000	ng	#-0.01
39) Acenaphthene-d10	9.828	164	242325	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	391501	20.000	ng	# 0.00
76) Chrysene-d12	13.963	240	269465	20.000	ng	#-0.01
86) Perylene-d12	15.433	264	349012	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	796018	93.068	ng	0.00
7) Phenol-d6	6.428	99	981429	89.764	ng	-0.01
23) Nitrobenzene-d5	7.351	82	604333	74.673	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	238964	96.736	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	1089139	74.730	ng	-0.02
79) Terphenyl-d14	12.910	244	902203	59.023	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.428	77	1586	Below Cal		Qvalue # 3
19) n-Nitroso-di-n-propyla...	7.351	70	81095	12.388	ng	# 71
25) Isophorone	7.351	82	599056	33.937	ng	# 65
32) Benzoic acid	7.787	122	463	7.942	ng	92
48) 2-Nitroaniline	9.263	65	394	3.250	ng	# 8
50) Dimethylphthalate	9.828	163	51830	3.138	ng	# 1
51) 2,6-Dinitrotoluene	9.828	165	32201	11.516	ng	# 17
57) 2,4-Dinitrotoluene	9.828	165	32201	10.261	ng	# 17
65) 4,6-Dinitro-2-methylph...	10.616	198	522	8.969	ng	# 1
67) 4-Bromophenyl-phenylether	10.616	248	14468	3.376	ng	# 1
71) Phenanthrene	11.339	178	51900	2.496	ng	99
75) Fluoranthene	12.533	202	123869	5.639	ng	98
78) Pyrene	12.757	202	102777	4.408	ng	99
81) Benzo(a)anthracene	13.951	228	62030	3.219	ng	99
83) Chrysene	13.986	228	71527	3.810	ng	97
87) Indeno(1,2,3-cd)pyrene	16.915	276	50042	2.438	ng	# 93
88) Benzo(b)fluoranthene	15.004	252	162188	7.620	ng	# 95
89) Benzo(k)fluoranthene	15.004	252	162188	7.649	ng	# 97
90) Benzo(a)pyrene	15.368	252	69595	3.507	ng	# 91
92) Benzo(g,h,i)perylene	17.362	276	47777	2.823	ng	# 88

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

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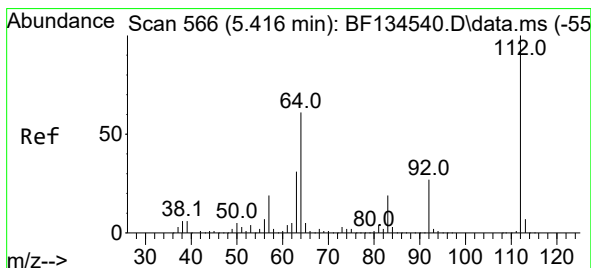
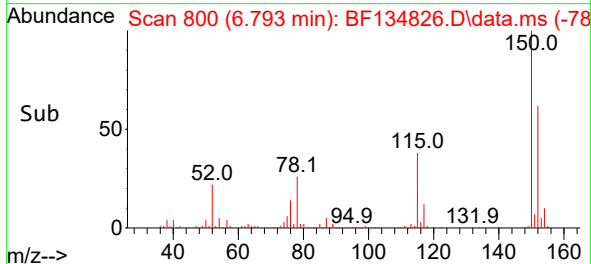
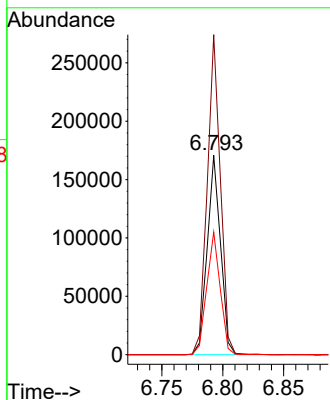
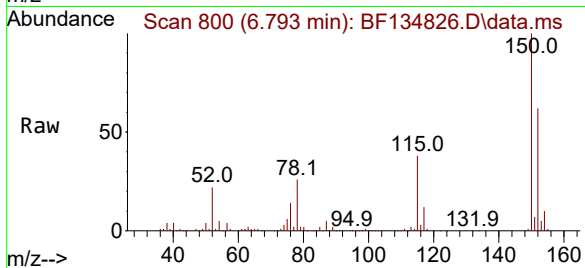




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 800
Delta R.T. -0.005 min
Lab File: BF134826.D
Acq: 17 Aug 2023 20:01

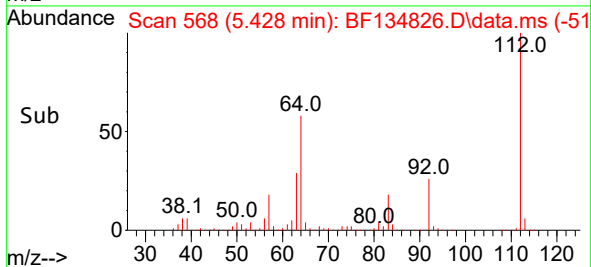
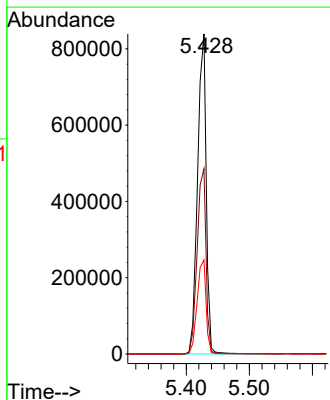
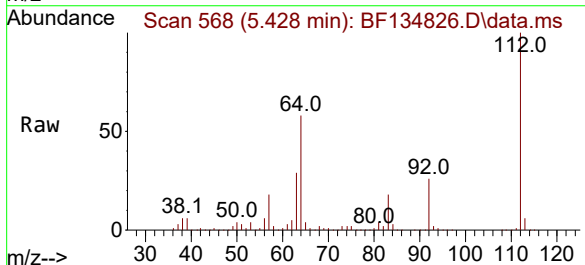
Instrument :
BNA_F
ClientSampleId :
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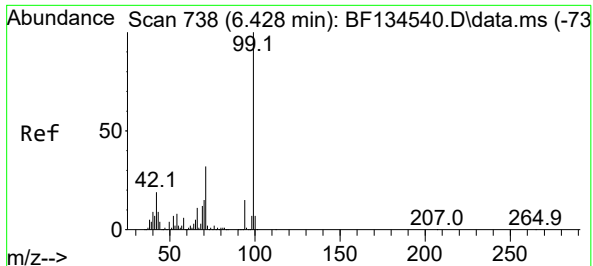
Tgt Ion:152 Resp: 130015
Ion Ratio Lower Upper
152 100
150 160.5 128.3 192.5
115 61.5 52.4 78.6



#5
2-Fluorophenol
Concen: 93.068 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF134826.D
Acq: 17 Aug 2023 20:01

Tgt Ion:112 Resp: 796018
Ion Ratio Lower Upper
112 100
64 57.8 44.9 67.3
63 29.3 25.4 38.0

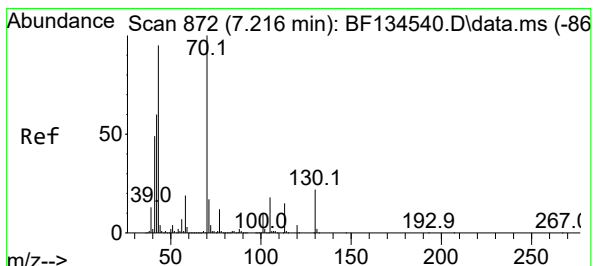
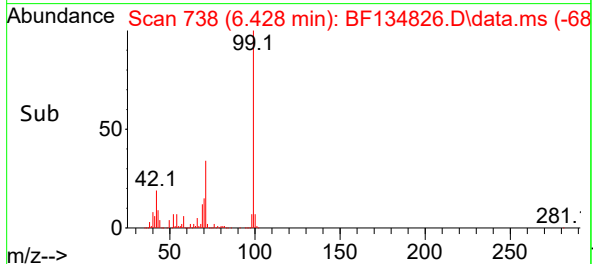
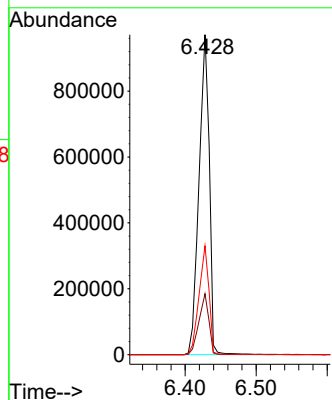
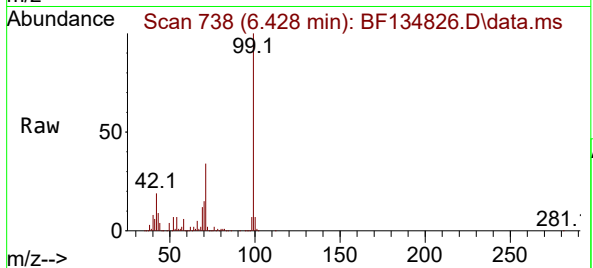




#7
Phenol-d6
Concen: 89.764 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF134826.D
Acq: 17 Aug 2023 20:01

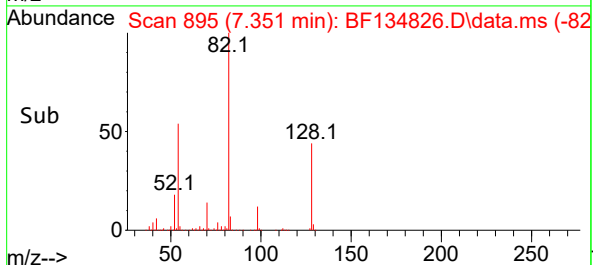
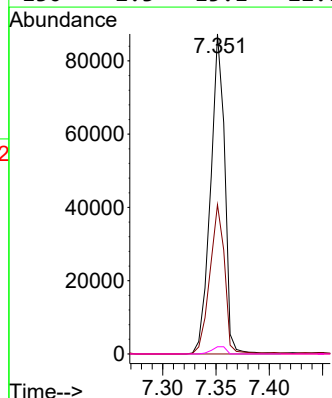
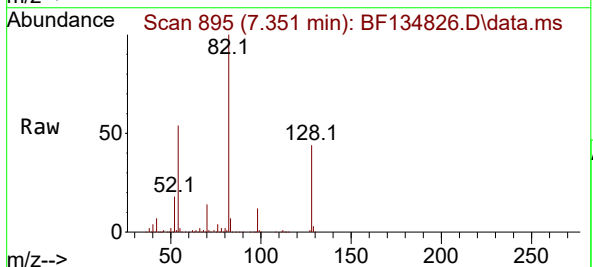
Instrument :
BNA_F
ClientSampleId :
350

Tgt Ion: 99 Resp: 981429
Ion Ratio Lower Upper
99 100
42 19.0 18.7 28.1
71 34.0 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 12.388 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.130 min
Lab File: BF134826.D
Acq: 17 Aug 2023 20:01

Tgt Ion: 70 Resp: 81095
Ion Ratio Lower Upper
70 100
42 46.6 54.7 82.1#
101 0.0 8.2 12.2#
130 2.3 15.1 22.7#

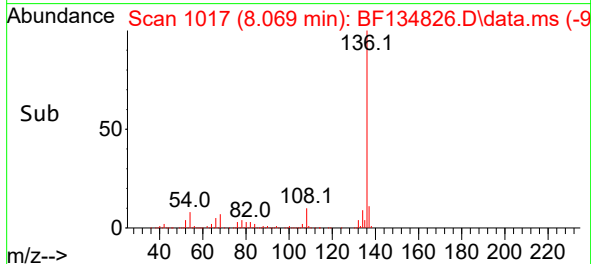
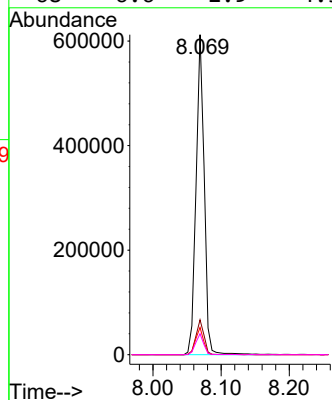
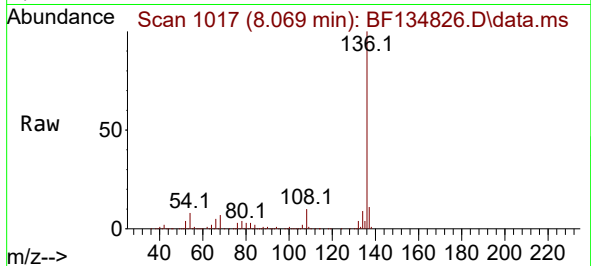




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BF134826.D
Acq: 17 Aug 2023 20:01

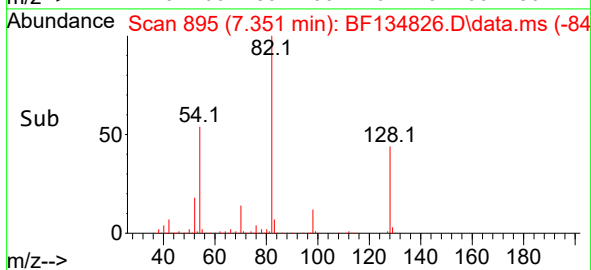
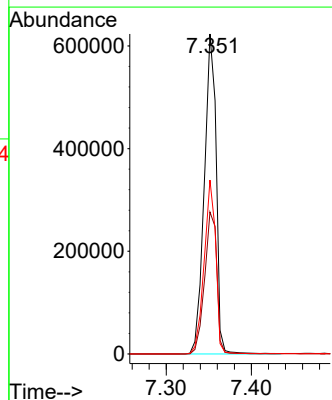
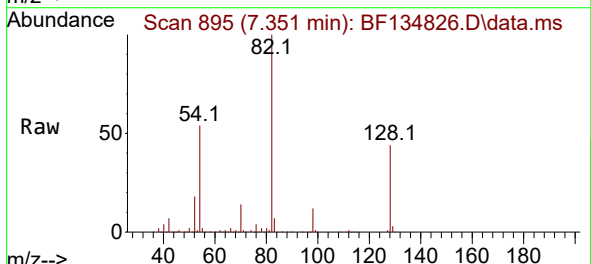
Instrument :
BNA_F
ClientSampleId :
350

Tgt Ion:136 Resp: 505757
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 8.5 5.2 7.8#
68 6.6 2.9 4.3#



#23
Nitrobenzene-d5
Concen: 74.673 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.017 min
Lab File: BF134826.D
Acq: 17 Aug 2023 20:01

Tgt Ion: 82 Resp: 604333
Ion Ratio Lower Upper
82 100
128 44.4 34.3 51.5
54 54.3 43.8 65.6

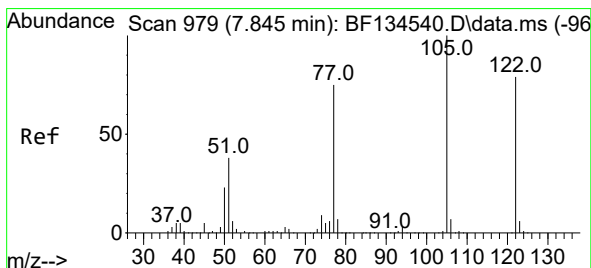
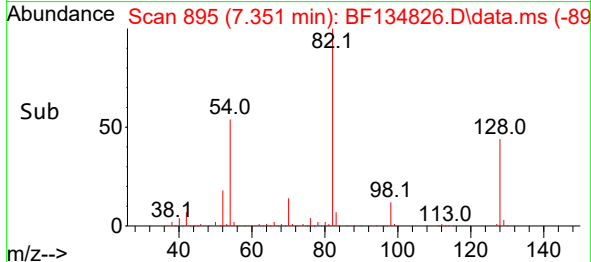
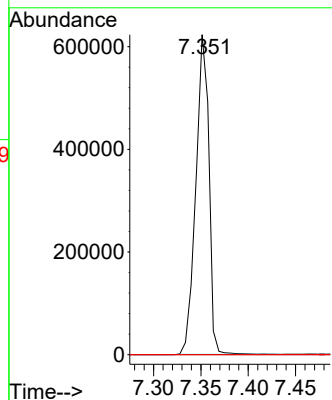
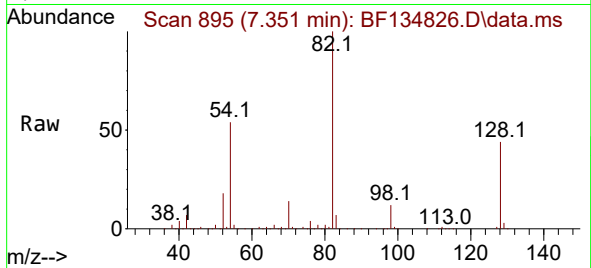




#25
Isophorone
Concen: 33.937 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.276 min
Lab File: BF134826.D
Acq: 17 Aug 2023 20:01

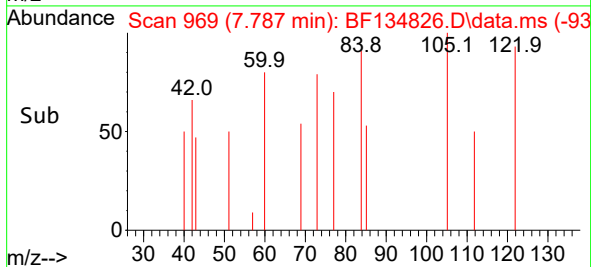
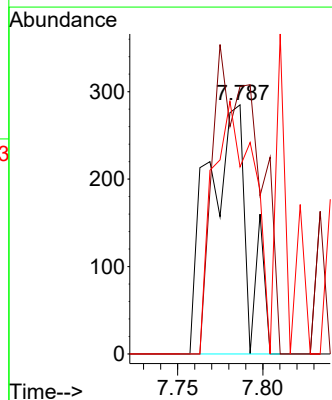
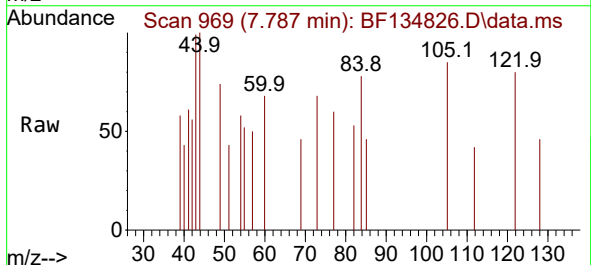
Instrument :
BNA_F
ClientSampleId :
350

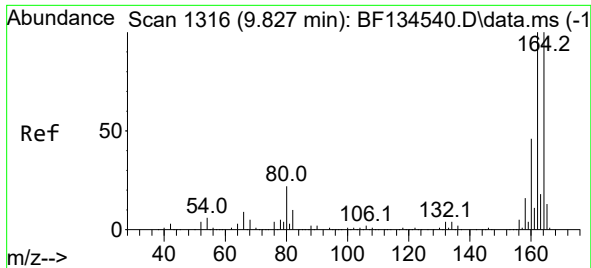
Tgt Ion: 82 Resp: 599056
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#



#32
Benzoic acid
Concen: 7.942 ng
RT: 7.787 min Scan# 969
Delta R.T. -0.076 min
Lab File: BF134826.D
Acq: 17 Aug 2023 20:01

Tgt Ion:122 Resp: 463
Ion Ratio Lower Upper
122 100
105 107.4 87.5 127.5
77 75.1 71.4 111.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134826.D

Acq: 17 Aug 2023 20:01

Instrument :

BNA_F

ClientSampleId :

350

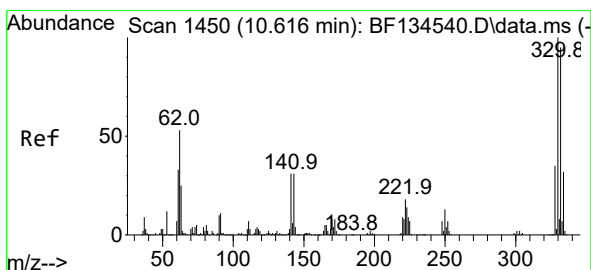
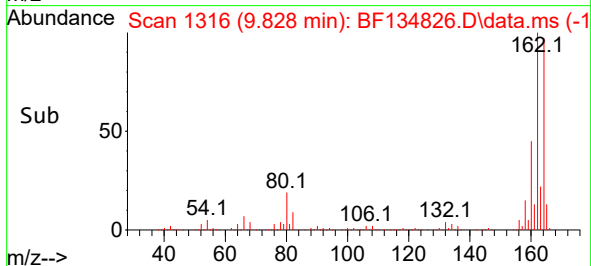
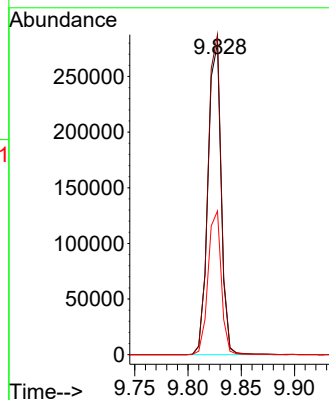
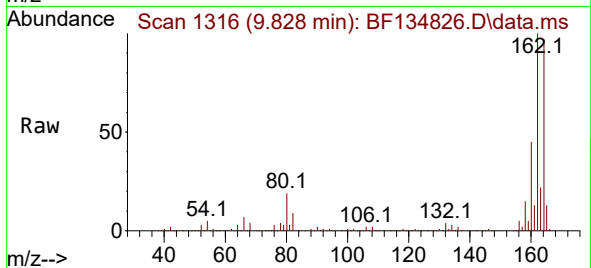
Tgt Ion:164 Resp: 242325

Ion Ratio Lower Upper

164 100

162 102.8 82.6 123.8

160 46.1 37.2 55.8



#42

2,4,6-Tribromophenol

Concen: 96.736 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.012 min

Lab File: BF134826.D

Acq: 17 Aug 2023 20:01

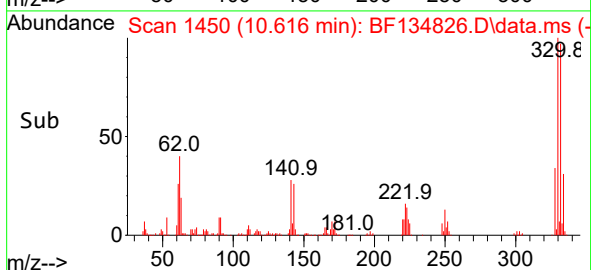
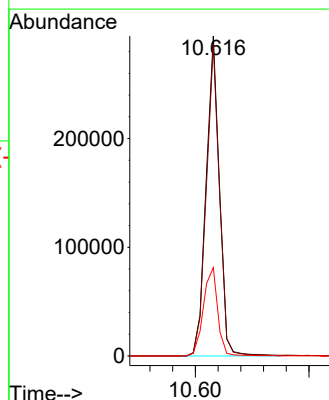
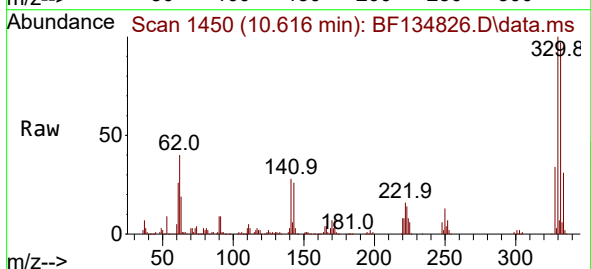
Tgt Ion:330 Resp: 238964

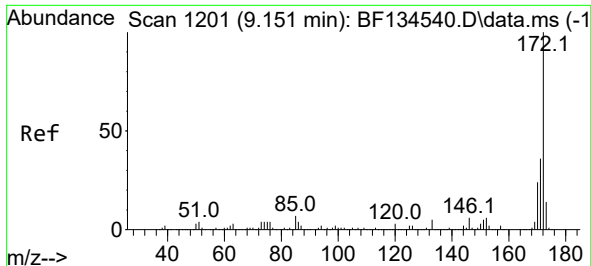
Ion Ratio Lower Upper

330 100

332 96.6 78.8 118.2

141 29.8 25.4 38.2





#45

2-Fluorobiphenyl

Concen: 74.730 ng

RT: 9.145 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF134826.D

Acq: 17 Aug 2023 20:01

Instrument :

BNA_F

ClientSampleId :

350

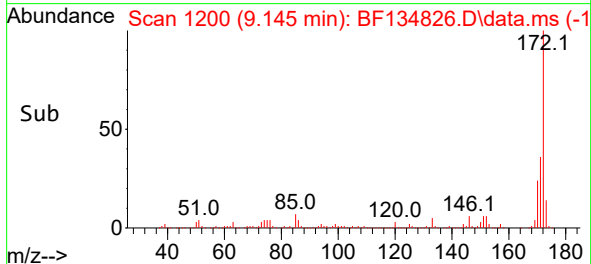
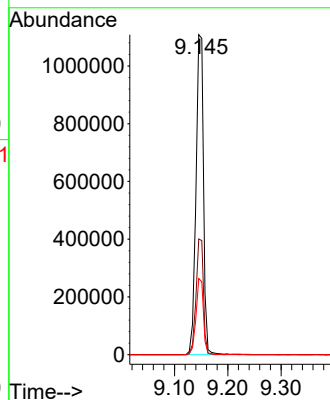
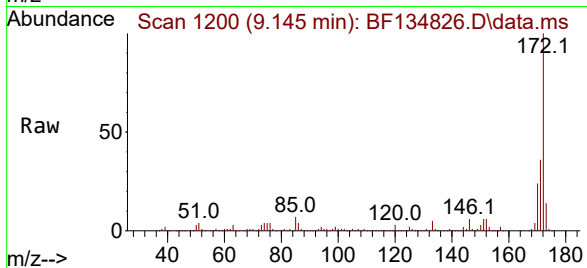
Tgt Ion:172 Resp: 1089139

Ion Ratio Lower Upper

172 100

171 36.2 28.8 43.2

170 23.8 18.7 28.1



#48

2-Nitroaniline

Concen: 3.250 ng

RT: 9.263 min Scan# 1220

Delta R.T. -0.117 min

Lab File: BF134826.D

Acq: 17 Aug 2023 20:01

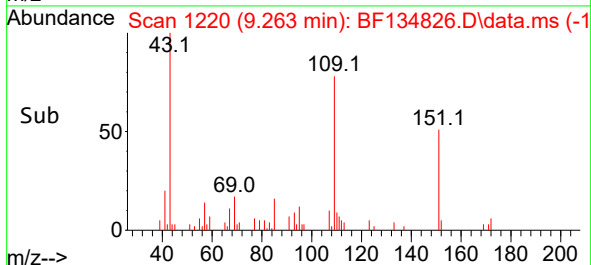
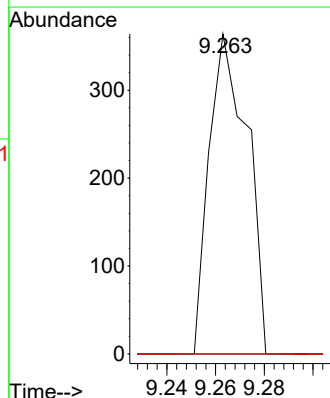
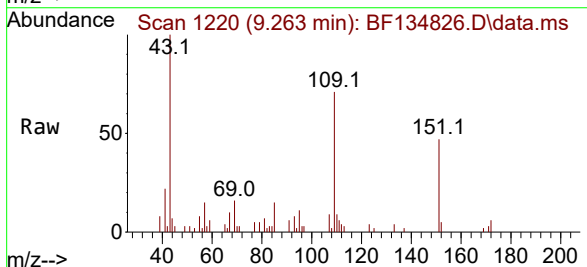
Tgt Ion: 65 Resp: 394

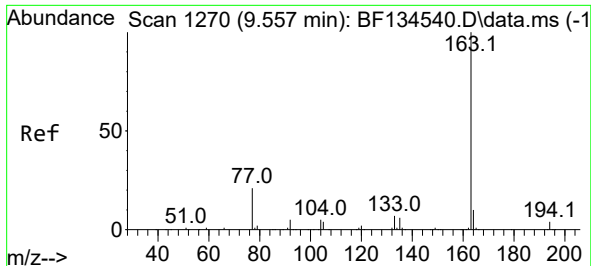
Ion Ratio Lower Upper

65 100

92 0.0 50.7 76.1#

138 0.0 78.2 117.4#

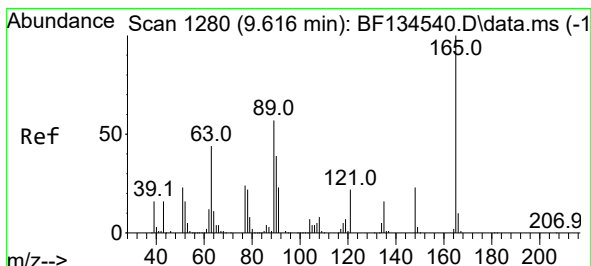
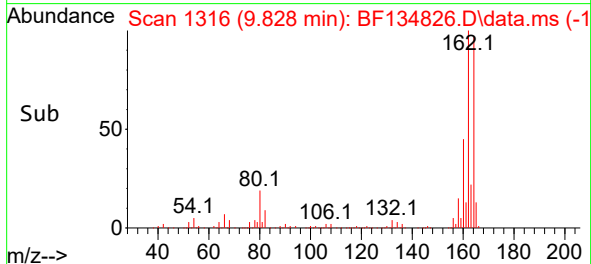
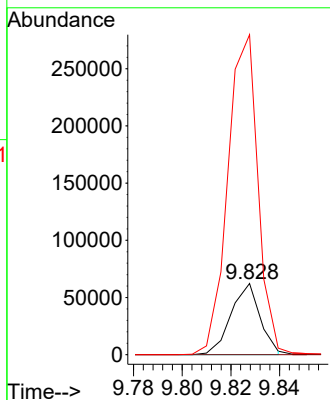
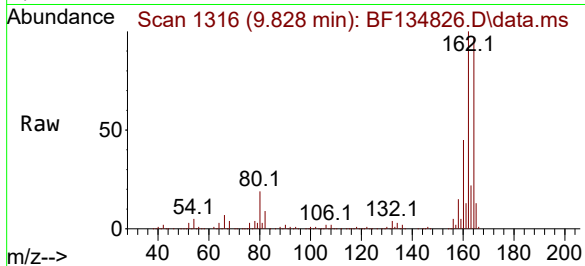




#50
Dimethylphthalate
Concen: 3.138 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.259 min
Lab File: BF134826.D
Acq: 17 Aug 2023 20:01

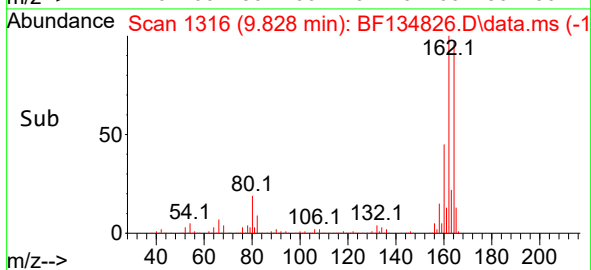
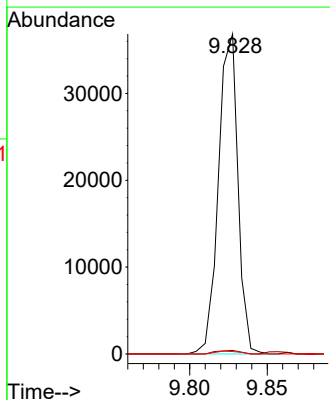
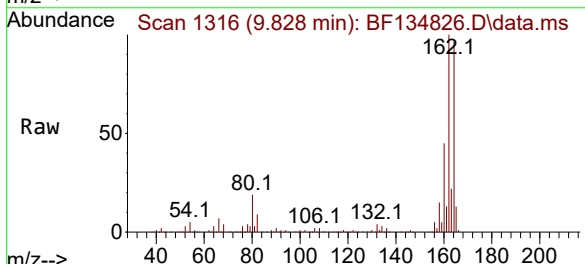
Instrument :
BNA_F
ClientSampleId :
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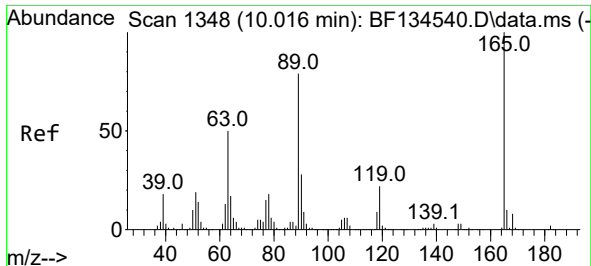
Tgt Ion:163 Resp: 51830
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 449.6 7.5 11.3#



#51
2,6-Dinitrotoluene
Concen: 11.516 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.200 min
Lab File: BF134826.D
Acq: 17 Aug 2023 20:01

Tgt Ion:165 Resp: 32201
Ion Ratio Lower Upper
165 100
63 1.1 57.8 86.6#
89 0.8 51.8 77.8#

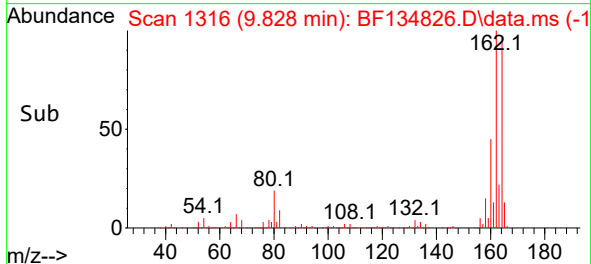
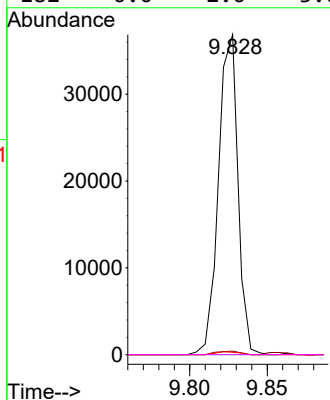
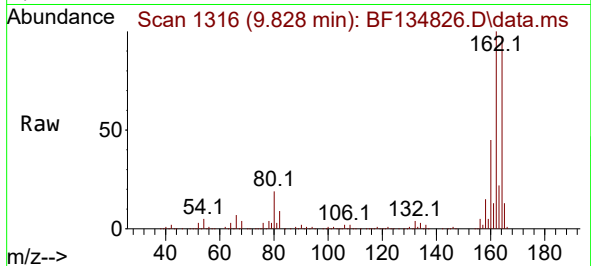




#57
2,4-Dinitrotoluene
Concen: 10.261 ng
RT: 9.828 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF134826.D
Acq: 17 Aug 2023 20:01

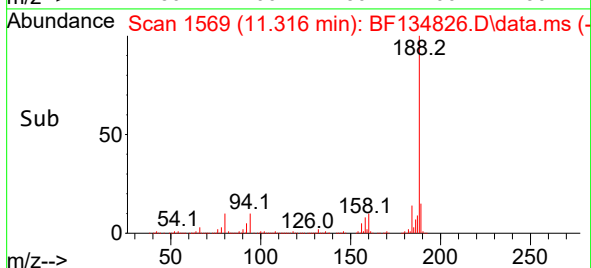
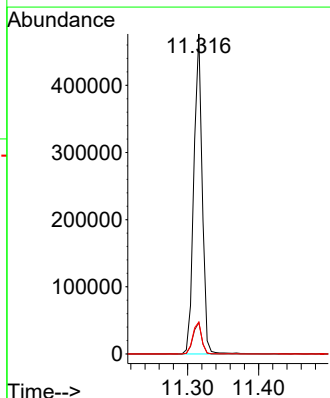
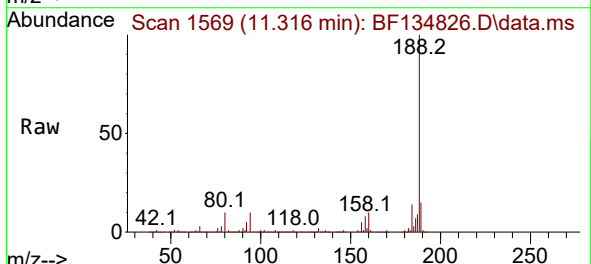
Instrument :
BNA_F
ClientSampleId :
350

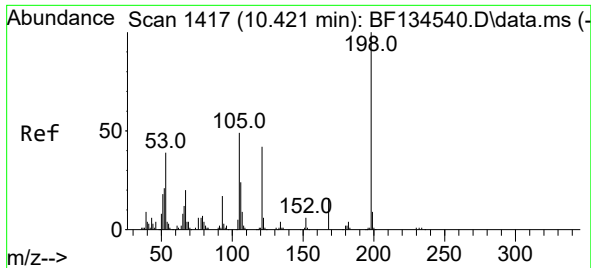
Tgt Ion:165 Resp: 32201
Ion Ratio Lower Upper
165 100
63 1.1 48.9 73.3#
89 0.8 61.7 92.5#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF134826.D
Acq: 17 Aug 2023 20:01

Tgt Ion:188 Resp: 391501
Ion Ratio Lower Upper
188 100
94 9.8 5.1 7.7#
80 10.0 6.6 9.8#

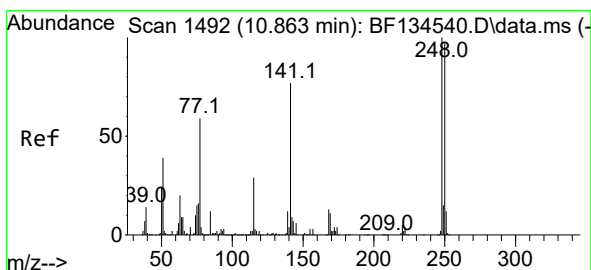
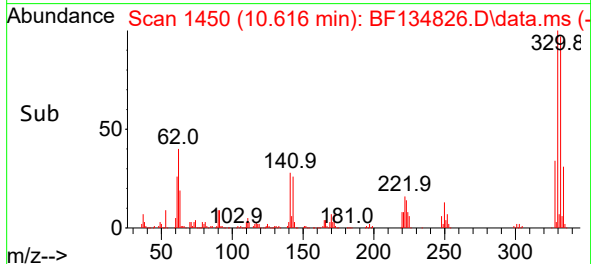
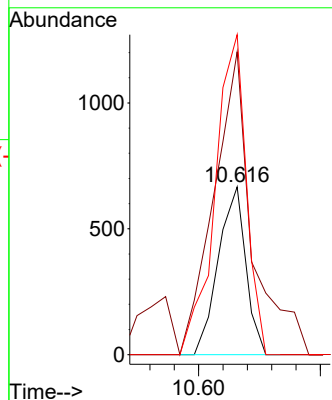
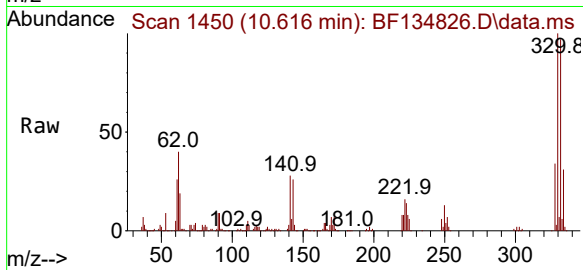




#65
4,6-Dinitro-2-methylphenol
Concen: 8.969 ng
RT: 10.616 min Scan# 1417
Delta R.T. 0.177 min
Lab File: BF134826.D
Acq: 17 Aug 2023 20:01

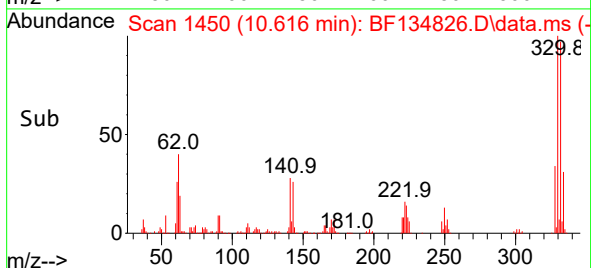
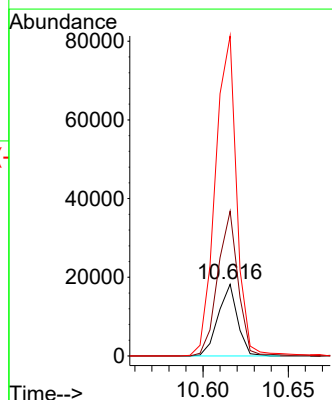
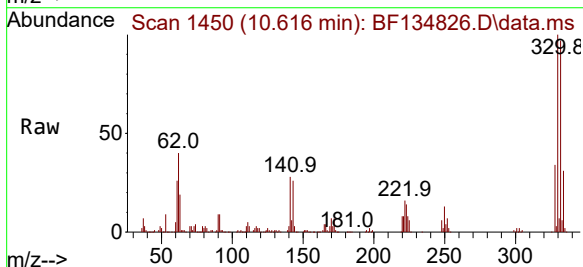
Instrument :
BNA_F
ClientSampleId :
350

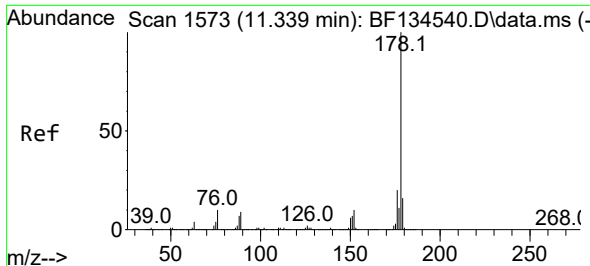
Tgt Ion:198 Resp: 522
Ion Ratio Lower Upper
198 100
51 180.4 38.6 78.6#
105 190.6 27.9 67.9#



#67
4-Bromophenyl-phenylether
Concen: 3.376 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.253 min
Lab File: BF134826.D
Acq: 17 Aug 2023 20:01

Tgt Ion:248 Resp: 14468
Ion Ratio Lower Upper
248 100
250 201.8 79.6 119.4#
141 445.9 59.6 89.4#

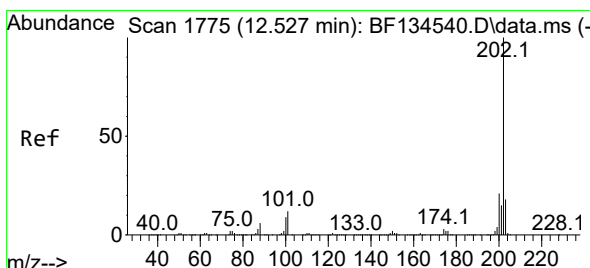
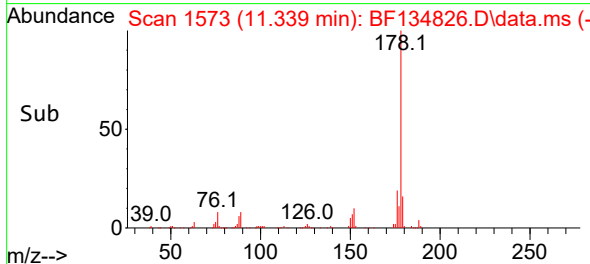
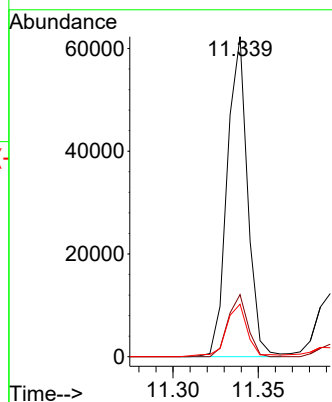
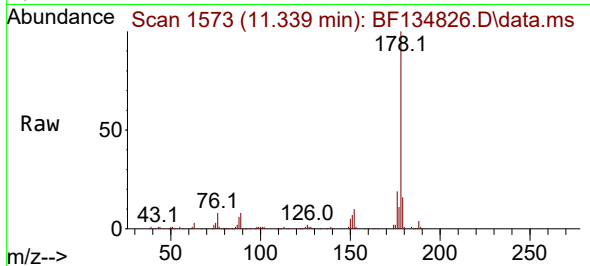




#71
Phenanthrene
Concen: 2.496 ng
RT: 11.339 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134826.D
Acq: 17 Aug 2023 20:01

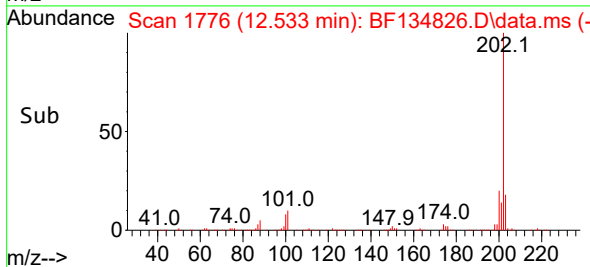
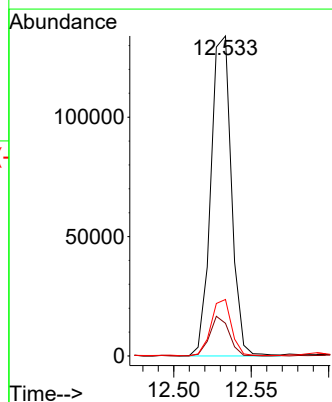
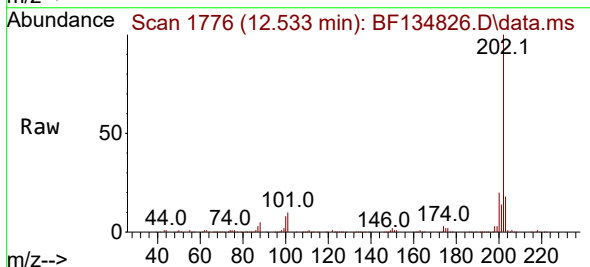
Instrument :
BNA_F
ClientSampleId :
350

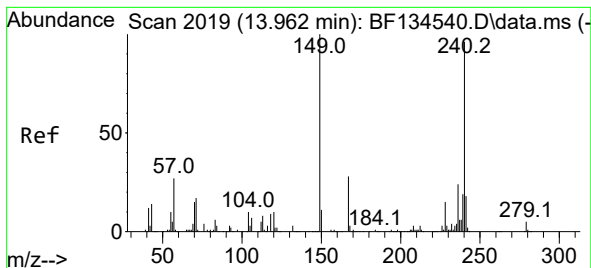
Tgt Ion:178 Resp: 51900
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.6
179 16.4 12.7 19.1



#75
Fluoranthene
Concen: 5.639 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF134826.D
Acq: 17 Aug 2023 20:01

Tgt Ion:202 Resp: 123869
Ion Ratio Lower Upper
202 100
101 10.2 0.0 28.5
203 17.7 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 2019

Delta R.T. -0.012 min

Lab File: BF134826.D

Acq: 17 Aug 2023 20:01

Instrument :

BNA_F

ClientSampleId :

350

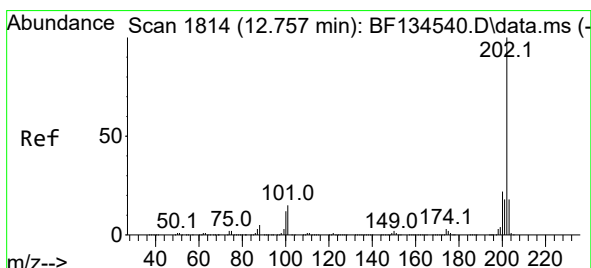
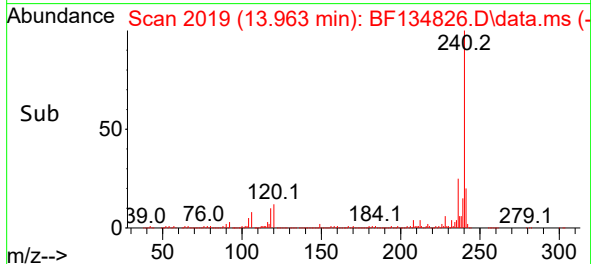
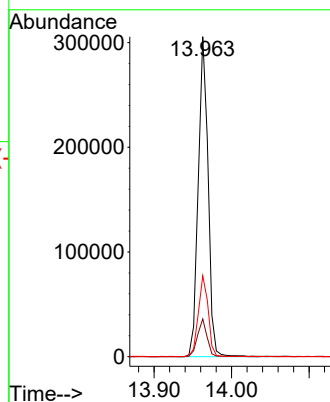
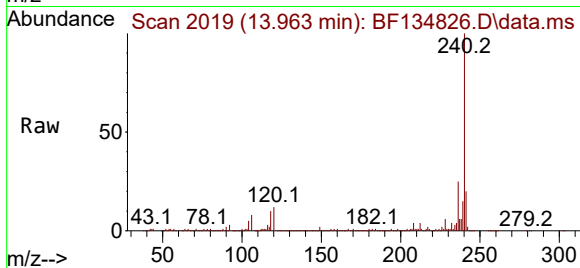
Tgt Ion:240 Resp: 269465

Ion Ratio Lower Upper

240 100

120 11.8 6.6 10.0#

236 25.3 20.2 30.2



#78

Pyrene

Concen: 4.408 ng

RT: 12.757 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF134826.D

Acq: 17 Aug 2023 20:01

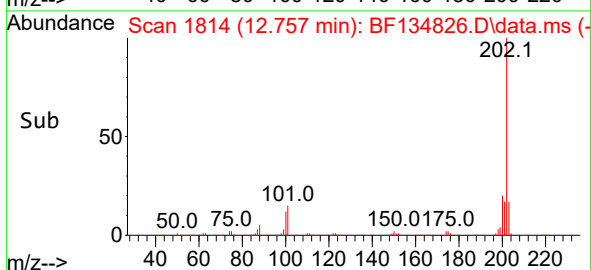
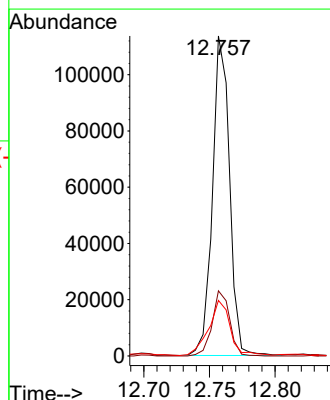
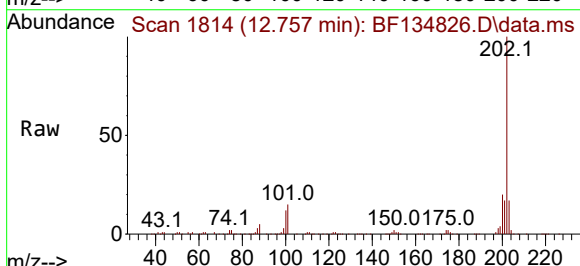
Tgt Ion:202 Resp: 102777

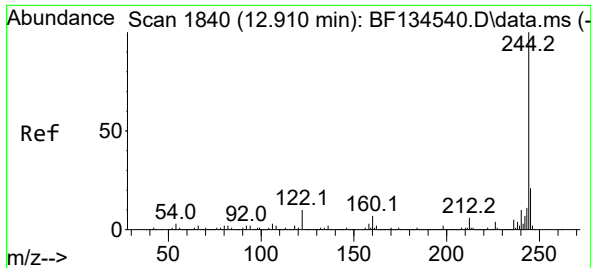
Ion Ratio Lower Upper

202 100

200 20.4 15.8 23.8

203 17.3 13.5 20.3

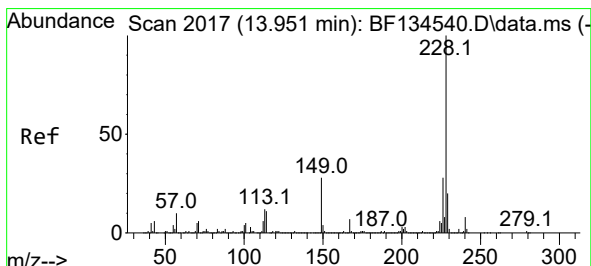
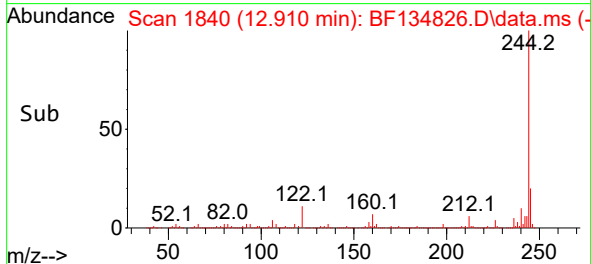
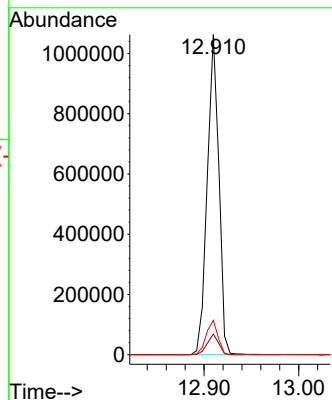
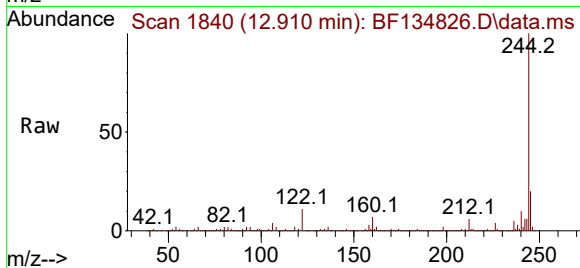




#79
 Terphenyl-d14
 Concen: 59.023 ng
 RT: 12.910 min Scan# 1840
 Delta R.T. -0.012 min
 Lab File: BF134826.D
 Acq: 17 Aug 2023 20:01

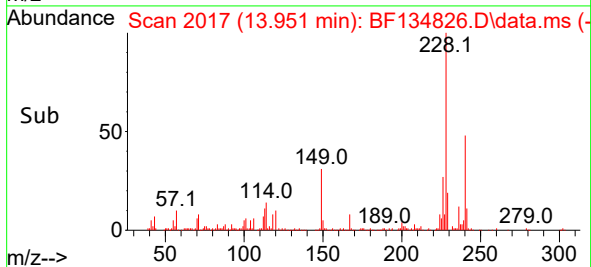
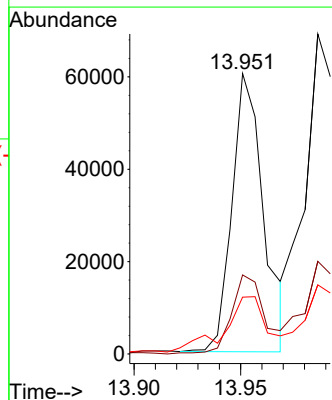
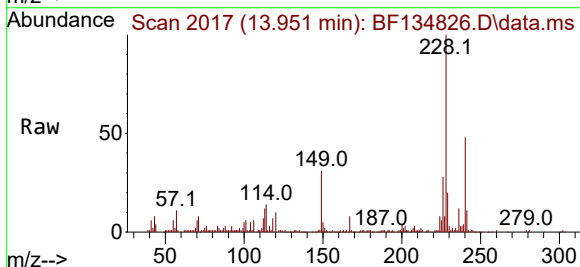
Instrument :
 BNA_F
 ClientSampleId :
 350

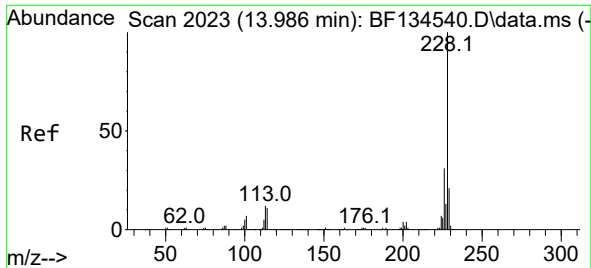
Tgt Ion:244 Resp: 902203
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.6 8.4
 122 10.8 8.0 12.0



#81
 Benzo(a)anthracene
 Concen: 3.219 ng
 RT: 13.951 min Scan# 2017
 Delta R.T. -0.012 min
 Lab File: BF134826.D
 Acq: 17 Aug 2023 20:01

Tgt Ion:228 Resp: 62030
 Ion Ratio Lower Upper
 228 100
 226 28.2 22.3 33.5
 229 20.3 15.8 23.6

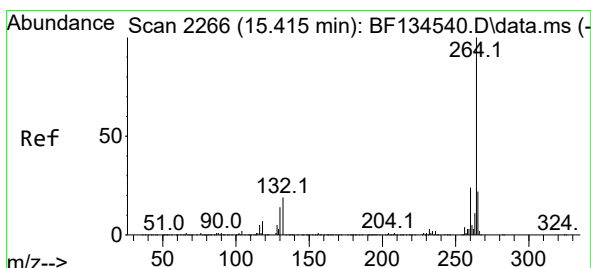
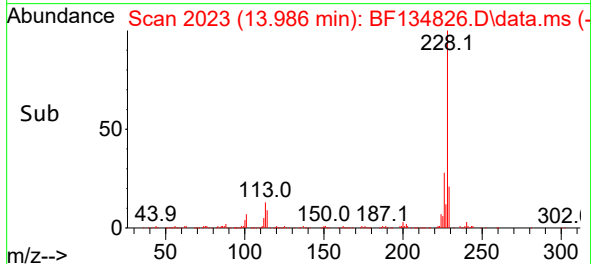
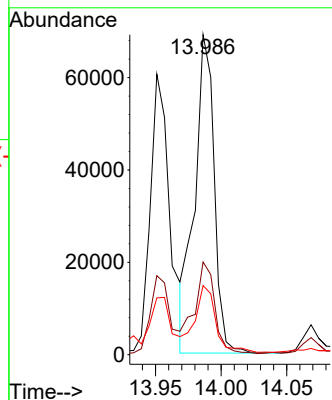
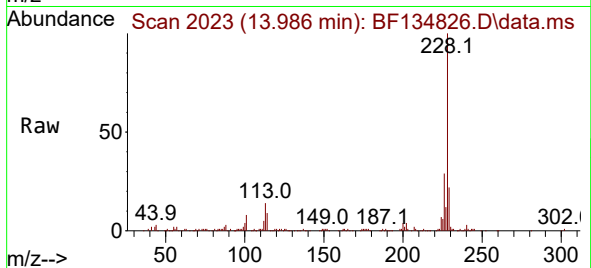




#83
Chrysene
Concen: 3.810 ng
RT: 13.986 min Scan# 2023
Delta R.T. -0.012 min
Lab File: BF134826.D
Acq: 17 Aug 2023 20:01

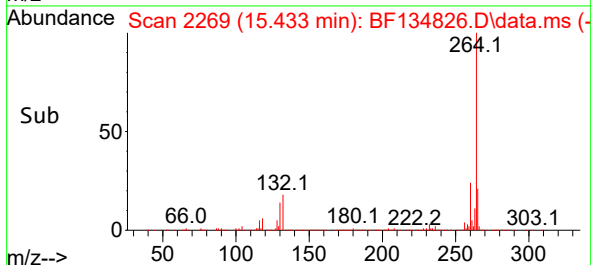
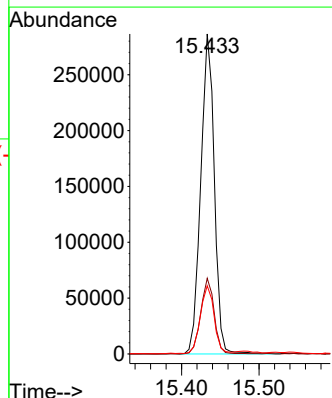
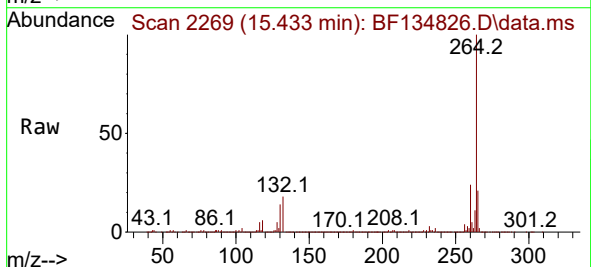
Instrument :
BNA_F
ClientSampleId :
350

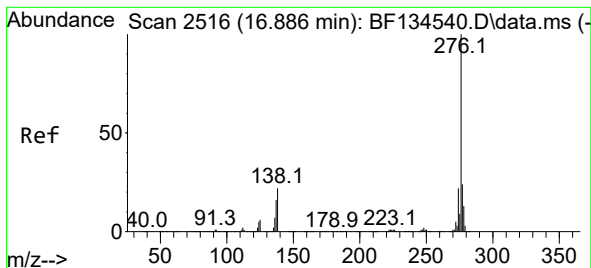
Tgt Ion:228 Resp: 71527
Ion Ratio Lower Upper
228 100
226 29.0 24.5 36.7
229 21.6 15.8 23.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF134826.D
Acq: 17 Aug 2023 20:01

Tgt Ion:264 Resp: 349012
Ion Ratio Lower Upper
264 100
260 23.6 18.4 27.6
265 21.3 15.8 23.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.438 ng

RT: 16.915 min Scan# 2196

Delta R.T. -0.012 min

Lab File: BF134826.D

Acq: 17 Aug 2023 20:01

Instrument :

BNA_F

ClientSampleId :

350

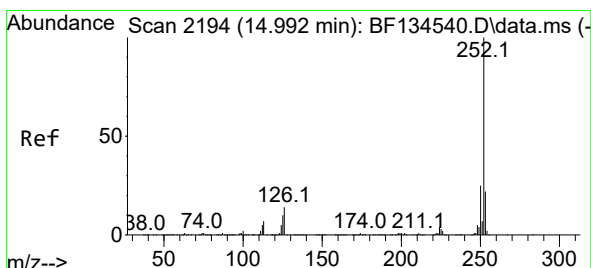
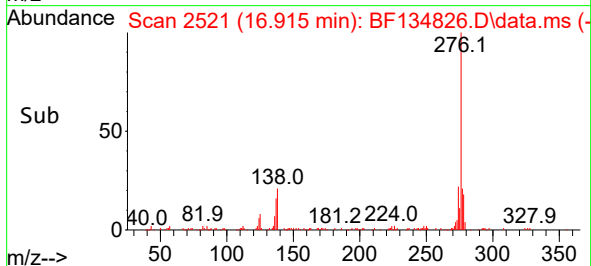
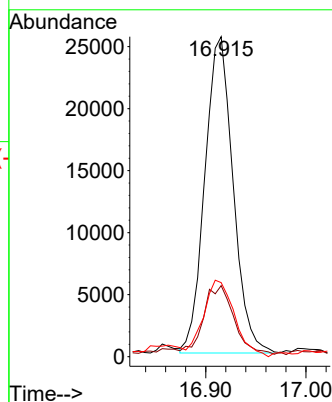
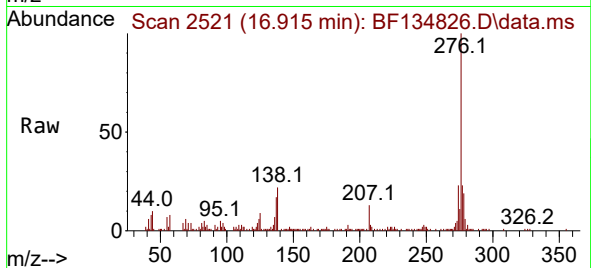
Tgt Ion:276 Resp: 50042

Ion Ratio Lower Upper

276 100

138 23.3 14.2 21.4#

277 26.4 19.9 29.9



#88

Benzo(b)fluoranthene

Concen: 7.620 ng

RT: 15.004 min Scan# 2196

Delta R.T. -0.006 min

Lab File: BF134826.D

Acq: 17 Aug 2023 20:01

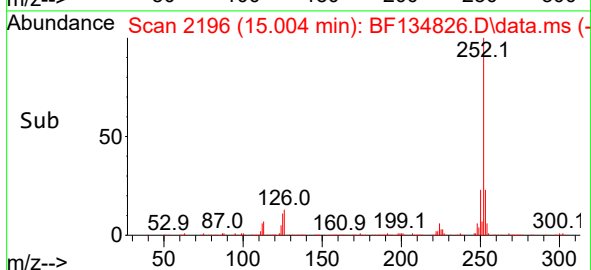
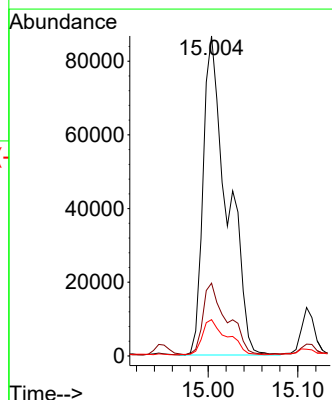
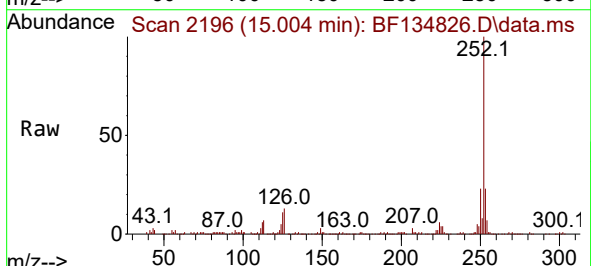
Tgt Ion:252 Resp: 162188

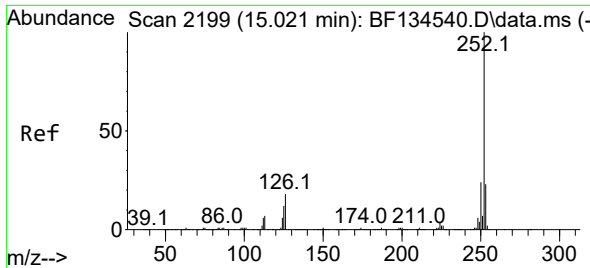
Ion Ratio Lower Upper

252 100

253 22.7 17.3 25.9

125 11.3 6.0 9.0#

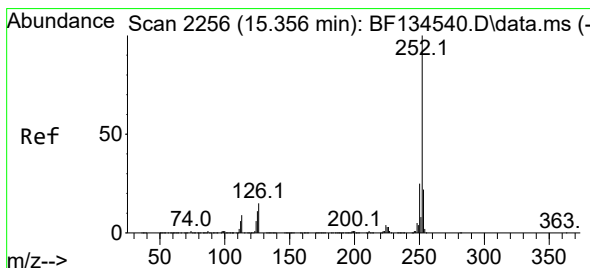
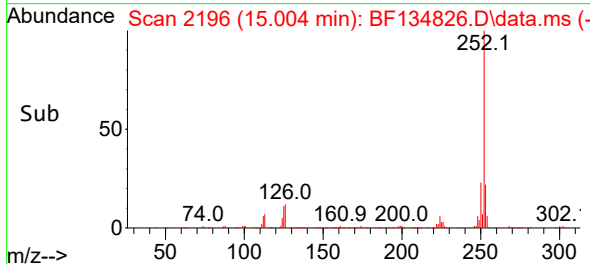
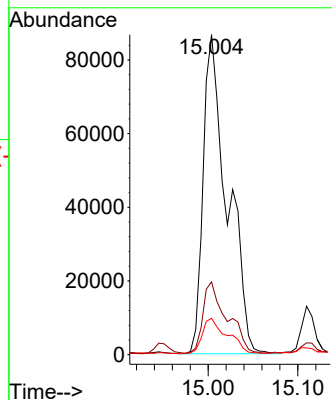
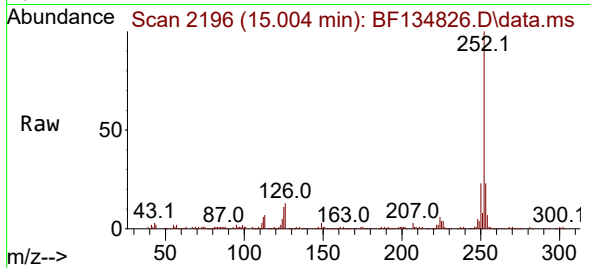




#89
Benzo(k)fluoranthene
Concen: 7.649 ng
RT: 15.004 min Scan# 2199
Delta R.T. -0.035 min
Lab File: BF134826.D
Acq: 17 Aug 2023 20:01

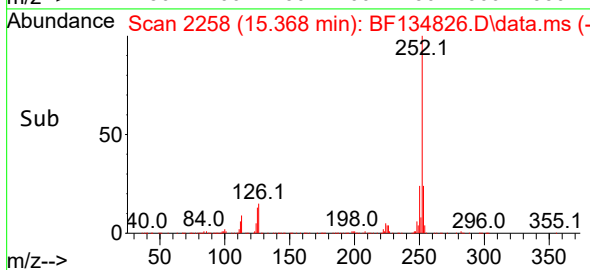
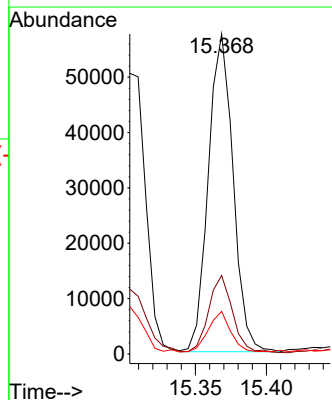
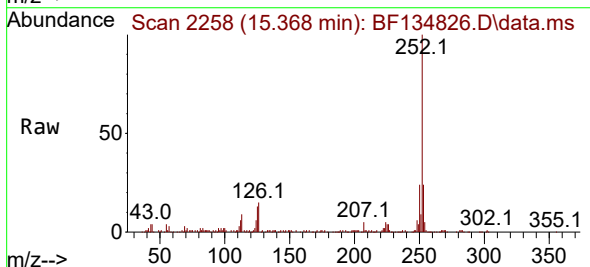
Instrument :
BNA_F
ClientSampleId :
350

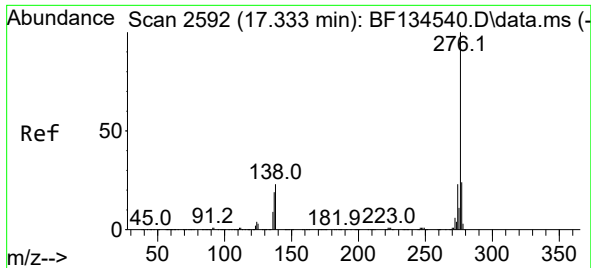
Tgt Ion:252 Resp: 162188
Ion Ratio Lower Upper
252 100
253 22.7 17.9 26.9
125 11.3 6.3 9.5#



#90
Benzo(a)pyrene
Concen: 3.507 ng
RT: 15.368 min Scan# 2258
Delta R.T. -0.012 min
Lab File: BF134826.D
Acq: 17 Aug 2023 20:01

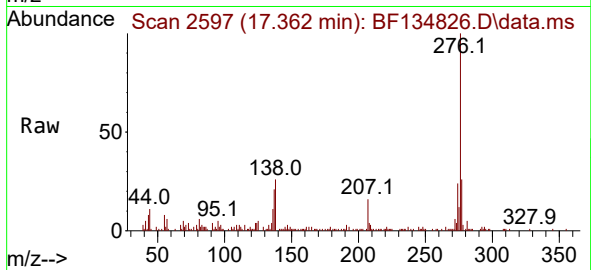
Tgt Ion:252 Resp: 69595
Ion Ratio Lower Upper
252 100
253 24.5 17.0 25.4
125 13.3 6.2 9.4#





#92
 Benzo(g,h,i)perylene
 Concen: 2.823 ng
 RT: 17.362 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF134826.D
 Acq: 17 Aug 2023 20:01

Instrument :
 BNA_F
 ClientSampleId :
 350



Tgt Ion: 276 Resp: 47777
 Ion Ratio Lower Upper
 276 100
 277 25.9 19.0 28.6
 138 25.7 12.2 18.2#

