

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081823\
 Data File : BF134845.D
 Acq On : 18 Aug 2023 17:42
 Operator : CG\JU
 Sample : 04046-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-02(0-5)

Quant Time: Aug 19 01:43:34 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)

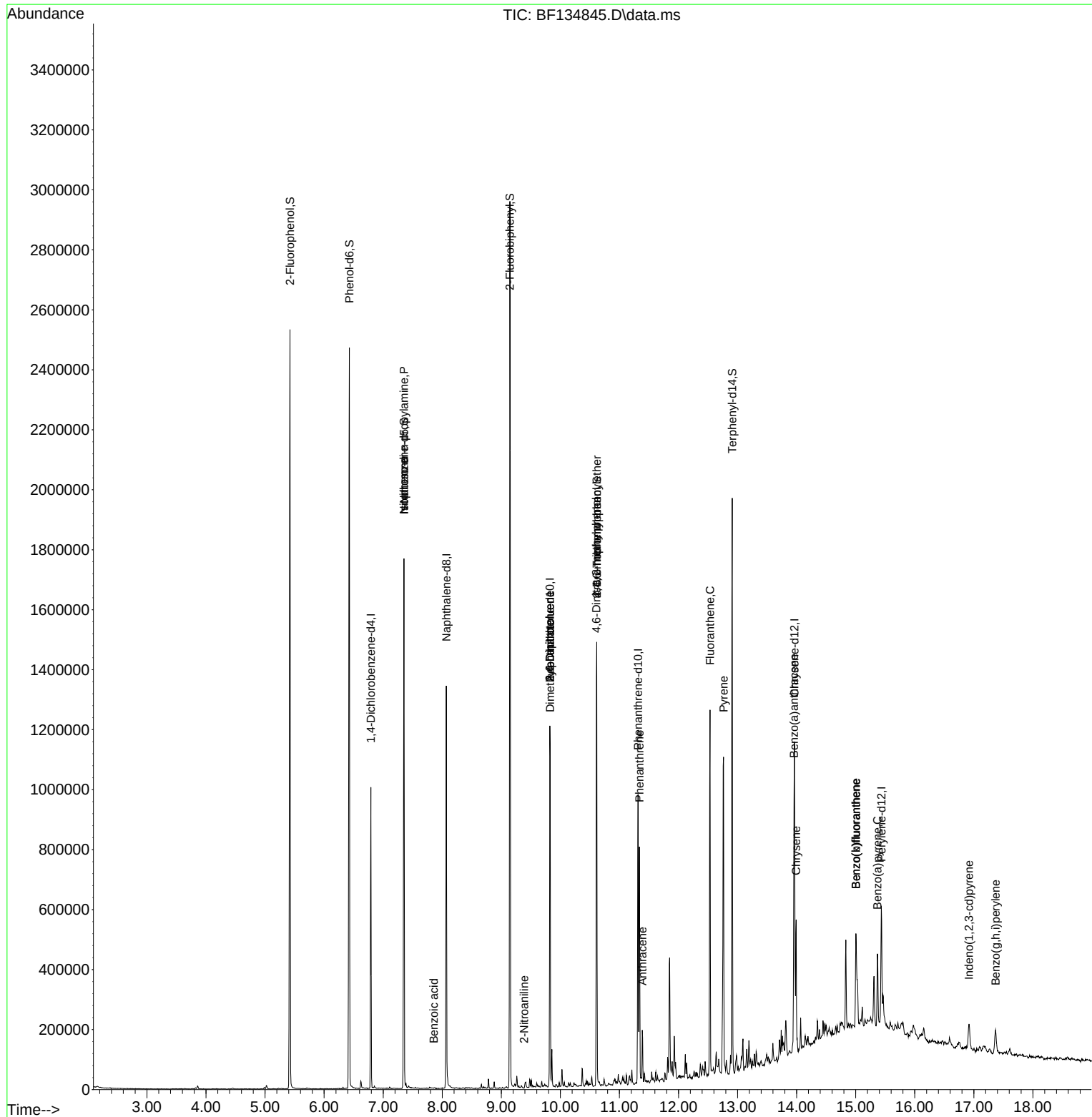
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	131797	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	523038	20.000	ng	#-0.01
39) Acenaphthene-d10	9.822	164	246997	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	341058	20.000	ng	# 0.00
76) Chrysene-d12	13.963	240	270504	20.000	ng	#-0.01
86) Perylene-d12	15.433	264	184280	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	681040	78.549	ng	0.00
7) Phenol-d6	6.428	99	852345	76.904	ng	-0.01
23) Nitrobenzene-d5	7.351	82	514515	61.474	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	179931	71.461	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	880202	59.252	ng	-0.02
79) Terphenyl-d14	12.910	244	647515	42.198	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.340	77	194	Below Cal	#	51
19) n-Nitroso-di-n-propyla...	7.351	70	68405	10.308	ng	# 72
25) Isophorone	7.351	82	510042	27.940	ng	# 65
32) Benzoic acid	7.857	122	54	7.876	ng	# 1
48) 2-Nitroaniline	9.386	65	54	3.177	ng	# 8
50) Dimethylphthalate	9.828	163	50609	3.006	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	32923	11.544	ng	# 17
57) 2,4-Dinitrotoluene	9.822	165	32923	10.284	ng	# 17
65) 4,6-Dinitro-2-methylph...	10.610	198	330	8.895	ng	# 1
67) 4-Bromophenyl-phenylether	10.616	248	11524	3.087	ng	# 1
71) Phenanthrene	11.339	178	286467	15.813	ng	98
72) Anthracene	11.386	178	64583	3.490	ng	99
75) Fluoranthene	12.533	202	475974	24.874	ng	97
78) Pyrene	12.763	202	456224	19.491	ng	97
81) Benzo(a)anthracene	13.957	228	206156	10.658	ng	99
83) Chrysene	13.992	228	180692	9.589	ng	98
87) Indeno(1,2,3-cd)pyrene	16.915	276	64775	5.977	ng	95
88) Benzo(b)fluoranthene	15.004	252	225341	20.050	ng	# 92
89) Benzo(k)fluoranthene	15.004	252	225341	20.127	ng	# 93
90) Benzo(a)pyrene	15.368	252	117737	11.235	ng	# 93
92) Benzo(g,h,i)perylene	17.368	276	67259	7.528	ng	# 89

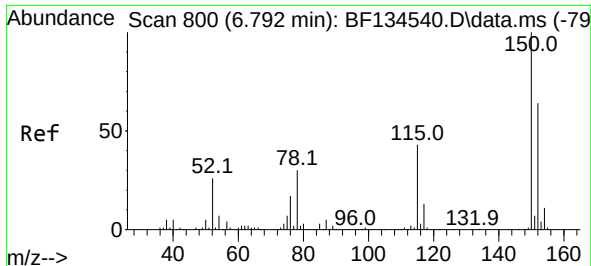
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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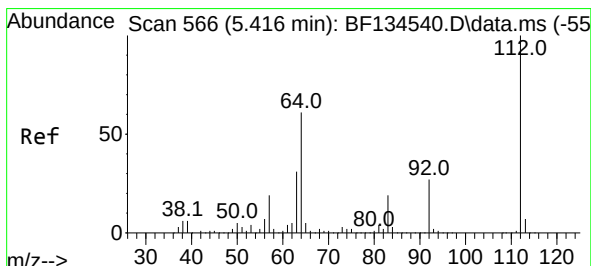
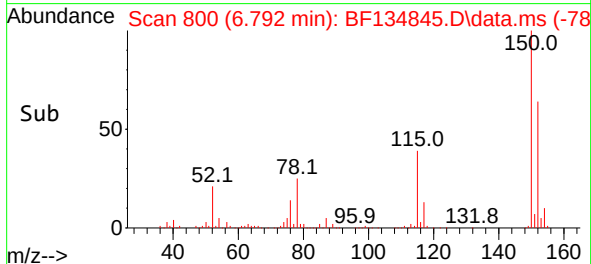
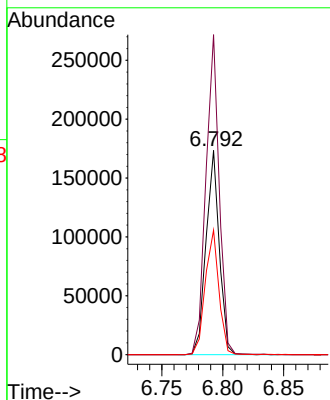
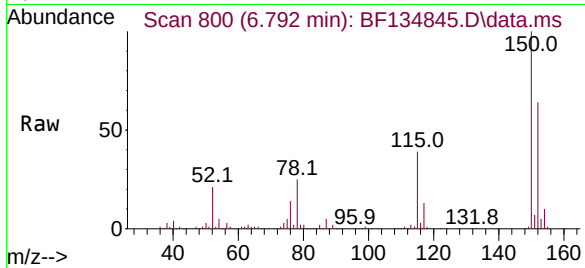




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF134845.D
Acq: 18 Aug 2023 17:42

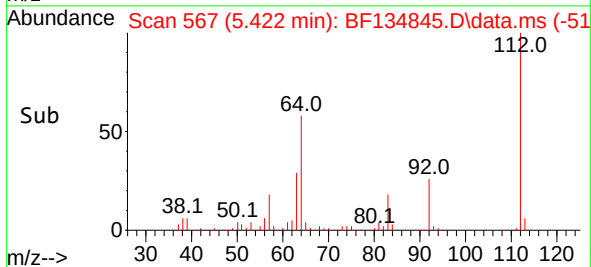
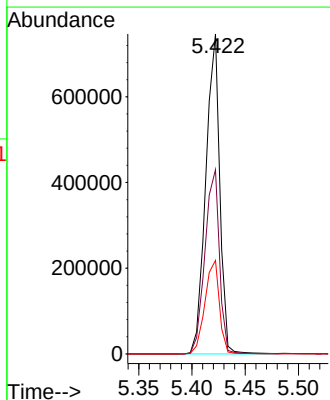
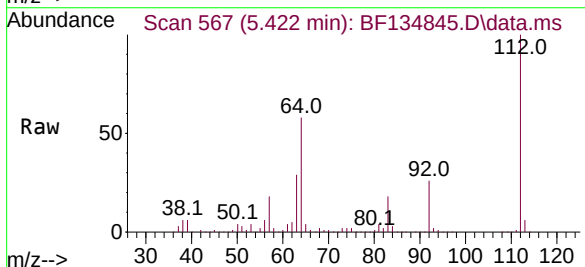
Instrument :
BNA_F
ClientSampleId :
SB-02(0-5)

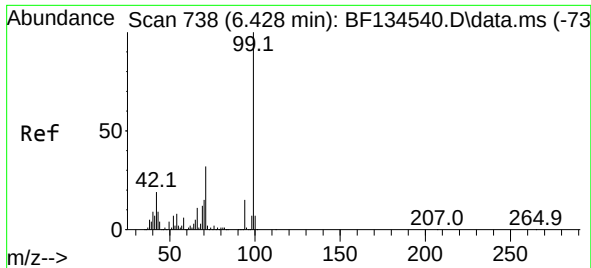
Tgt Ion:152 Resp: 131797
Ion Ratio Lower Upper
152 100
150 156.8 128.3 192.5
115 60.9 52.4 78.6



#5
2-Fluorophenol
Concen: 78.549 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF134845.D
Acq: 18 Aug 2023 17:42

Tgt Ion:112 Resp: 681040
Ion Ratio Lower Upper
112 100
64 57.6 44.9 67.3
63 29.2 25.4 38.0

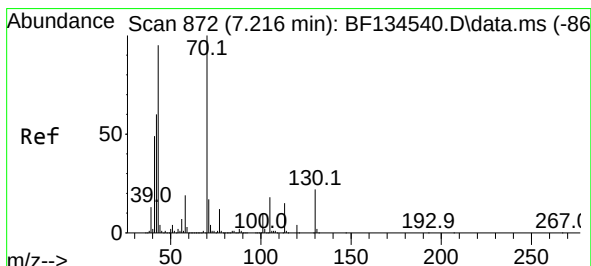
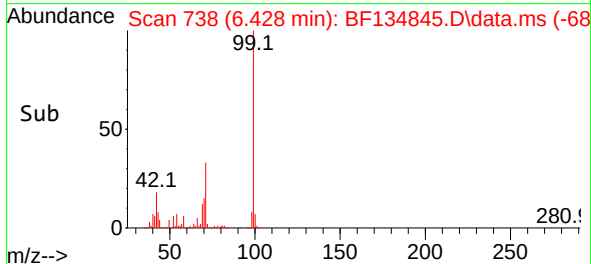
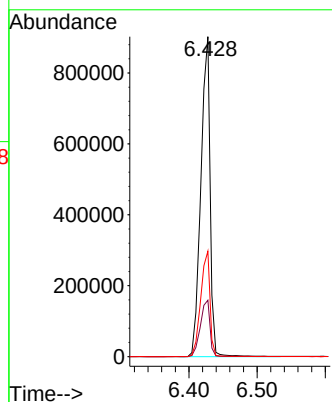
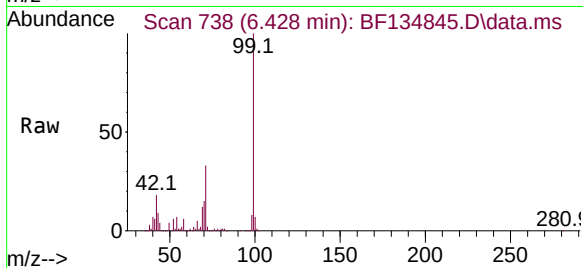




#7
Phenol-d6
Concen: 76.904 ng
RT: 6.428 min Scan# 738
Delta R.T. -0.012 min
Lab File: BF134845.D
Acq: 18 Aug 2023 17:42

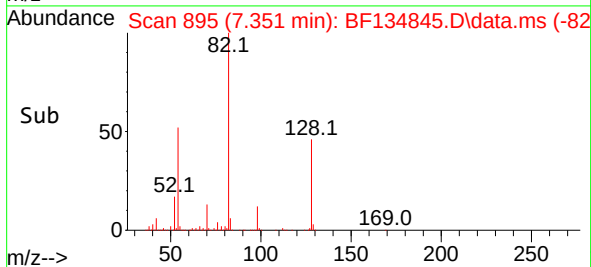
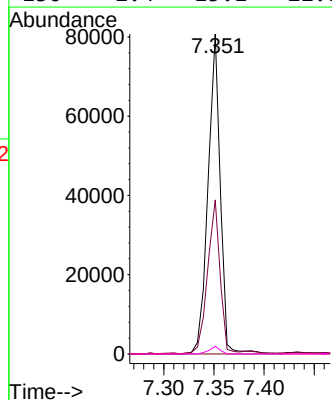
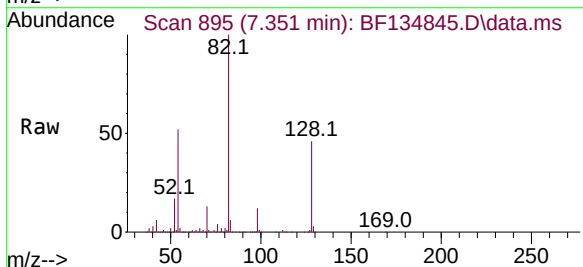
Instrument :
BNA_F
ClientSampleId :
SB-02(0-5)

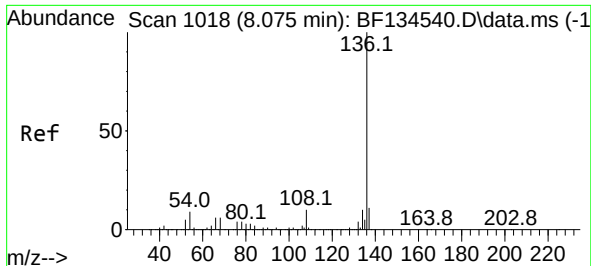
Tgt Ion: 99 Resp: 852345
Ion Ratio Lower Upper
99 100
42 17.6 18.7 28.1#
71 32.9 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 10.308 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.129 min
Lab File: BF134845.D
Acq: 18 Aug 2023 17:42

Tgt Ion: 70 Resp: 68405
Ion Ratio Lower Upper
70 100
42 48.1 54.7 82.1#
101 0.0 8.2 12.2#
130 2.4 15.1 22.7#

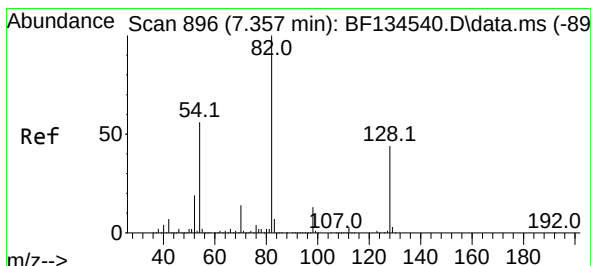
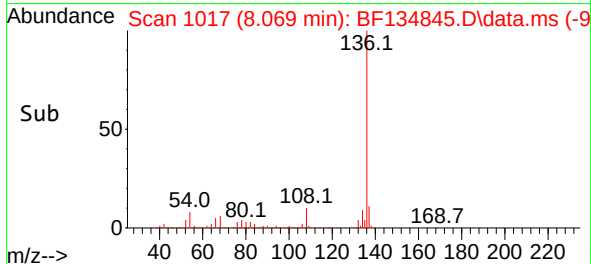
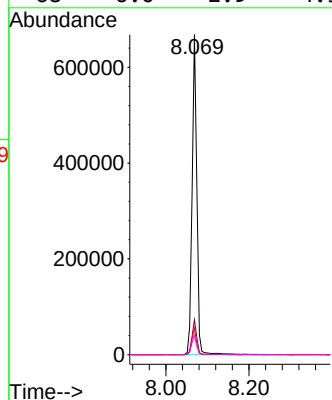
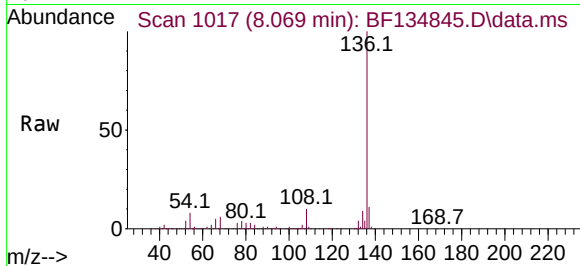




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BF134845.D
Acq: 18 Aug 2023 17:42

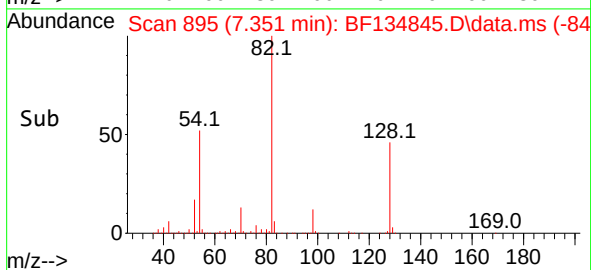
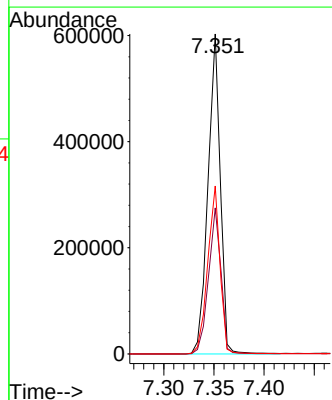
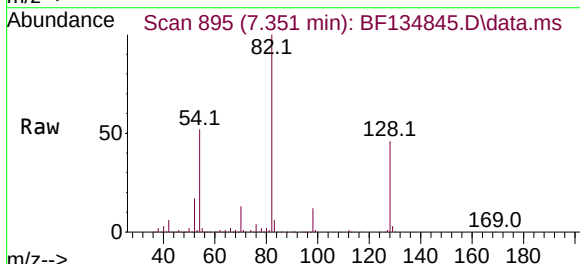
Instrument :
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ClientSampleId :
SB-02(0-5)

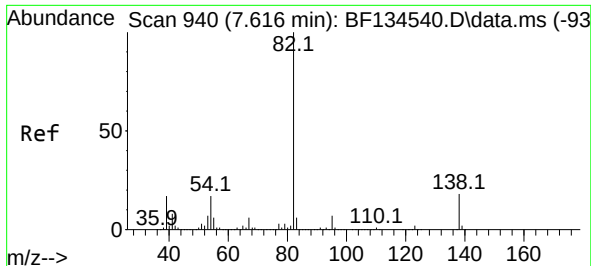
Tgt Ion:	136	Resp:	523038
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.4	12.6
54	8.3	5.2	7.8#
68	6.0	2.9	4.3#



#23
Nitrobenzene-d5
Concen: 61.474 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF134845.D
Acq: 18 Aug 2023 17:42

Tgt Ion:	82	Resp:	514515
Ion Ratio	Lower	Upper	
82	100		
128	45.6	34.3	51.5
54	52.5	43.8	65.6

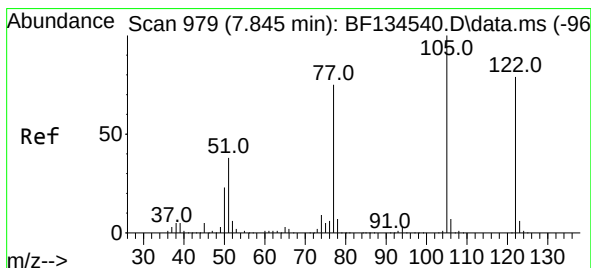
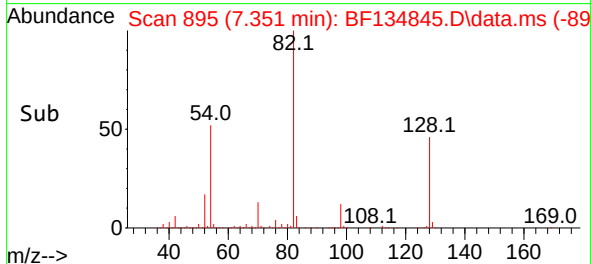
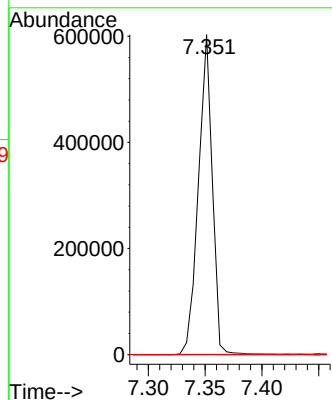
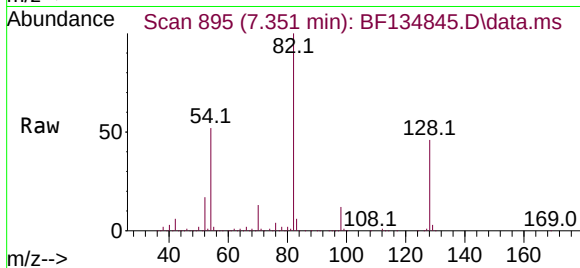




#25
Isophorone
Concen: 27.940 ng
RT: 7.351 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF134845.D
Acq: 18 Aug 2023 17:42

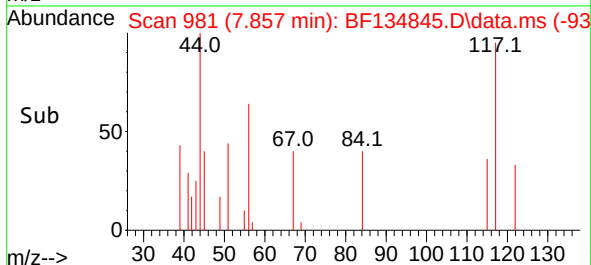
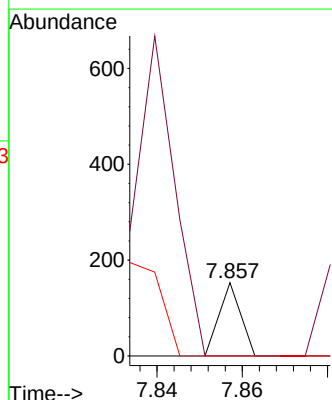
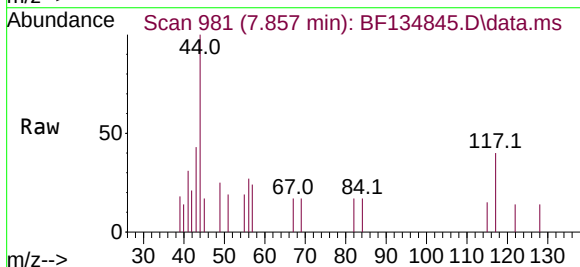
Instrument :
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ClientSampleId :
SB-02(0-5)

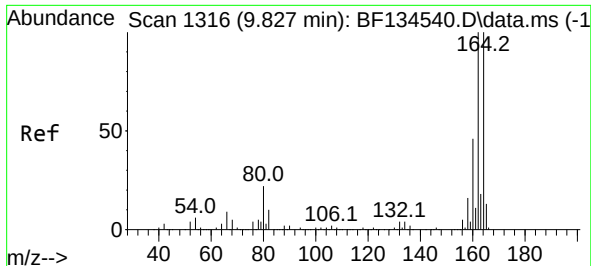
Tgt Ion: 82 Resp: 510042
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#



#32
Benzoic acid
Concen: 7.876 ng
RT: 7.857 min Scan# 981
Delta R.T. -0.006 min
Lab File: BF134845.D
Acq: 18 Aug 2023 17:42

Tgt Ion: 122 Resp: 54
Ion Ratio Lower Upper
122 100
105 0.0 87.5 127.5#
77 0.0 71.4 111.4#

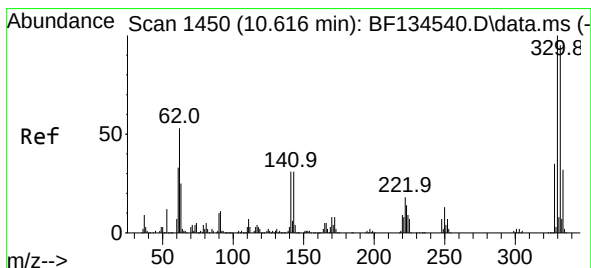
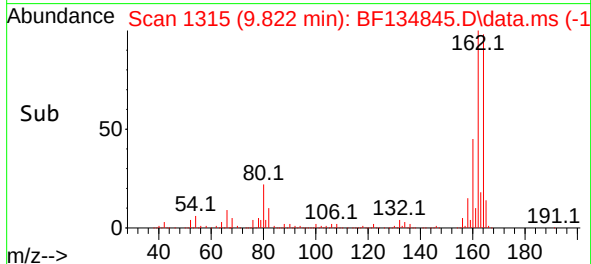
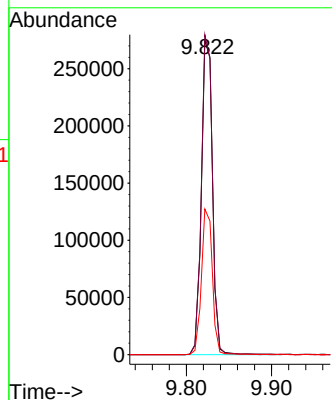
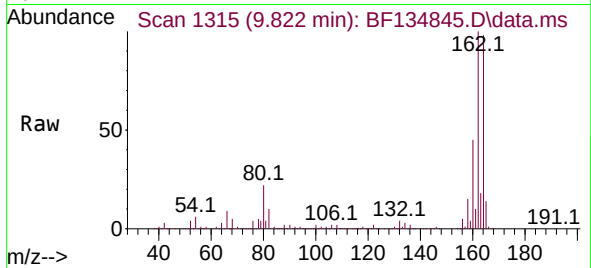




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF134845.D
Acq: 18 Aug 2023 17:42

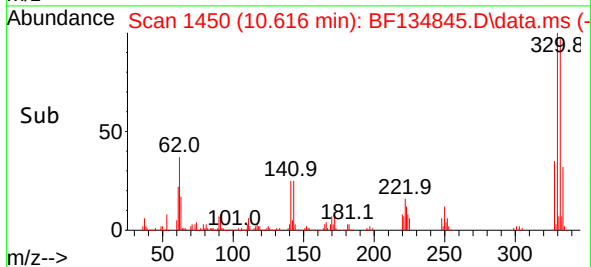
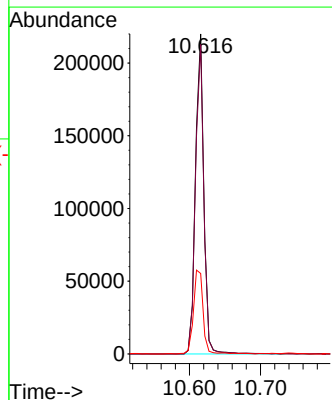
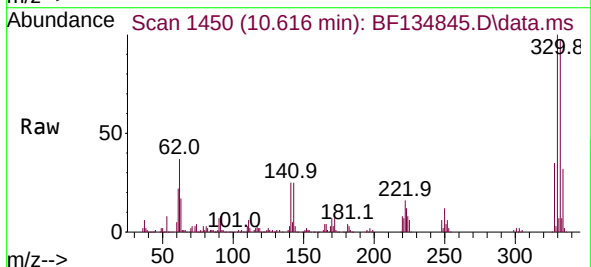
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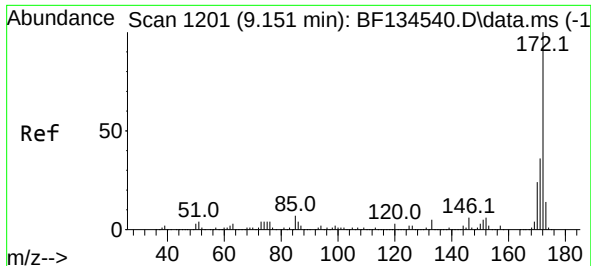
Tgt Ion:164 Resp: 246997
Ion Ratio Lower Upper
164 100
162 101.9 82.6 123.8
160 46.3 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 71.461 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF134845.D
Acq: 18 Aug 2023 17:42

Tgt Ion:330 Resp: 179931
Ion Ratio Lower Upper
330 100
332 97.2 78.8 118.2
141 30.3 25.4 38.2





#45

2-Fluorobiphenyl

Concen: 59.252 ng

RT: 9.145 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF134845.D

Acq: 18 Aug 2023 17:42

Instrument :

BNA_F

ClientSampleId :

SB-02(0-5)

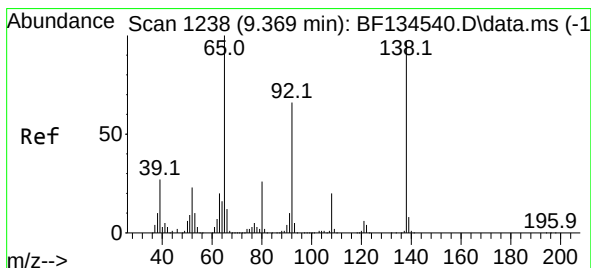
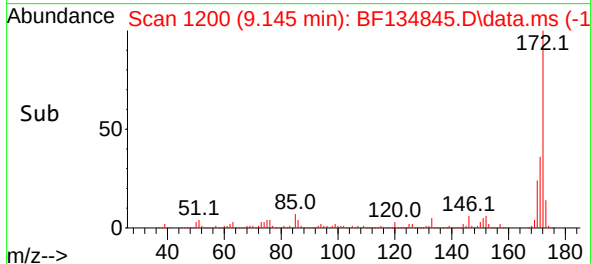
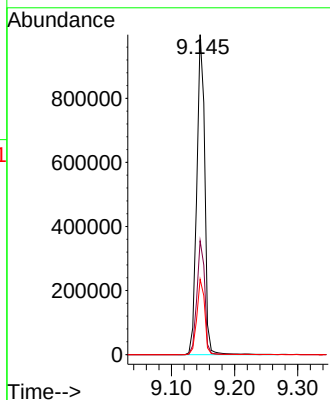
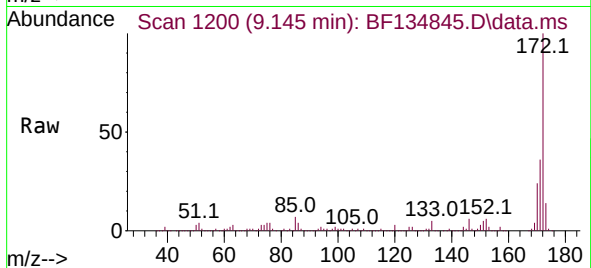
Tgt Ion:172 Resp: 880202

Ion Ratio Lower Upper

172 100

171 35.6 28.8 43.2

170 23.5 18.7 28.1



#48

2-Nitroaniline

Concen: 3.177 ng

RT: 9.386 min Scan# 1241

Delta R.T. 0.006 min

Lab File: BF134845.D

Acq: 18 Aug 2023 17:42

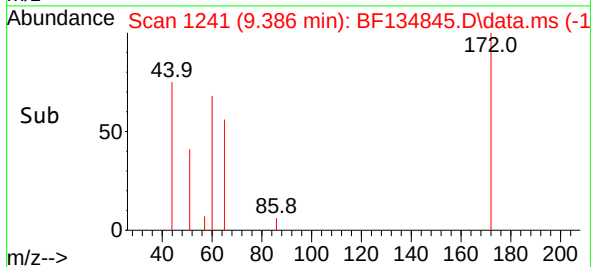
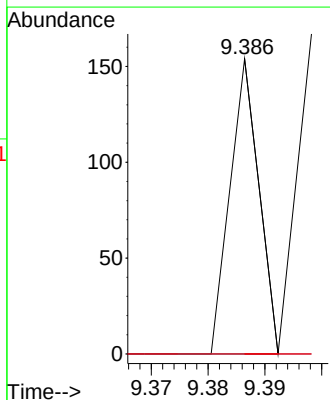
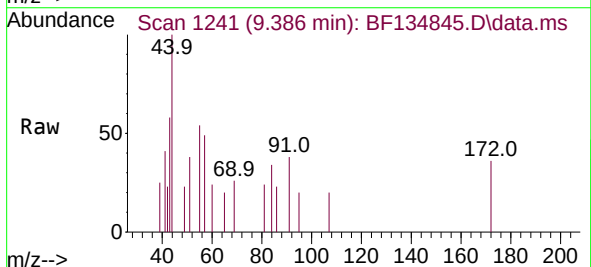
Tgt Ion: 65 Resp: 54

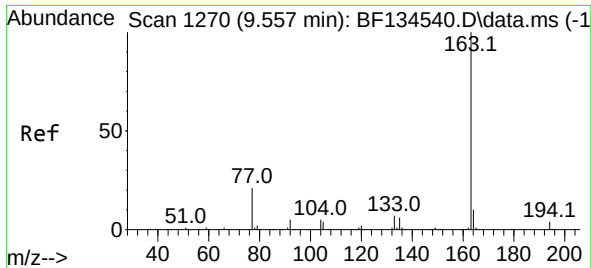
Ion Ratio Lower Upper

65 100

92 0.0 50.7 76.1#

138 0.0 78.2 117.4#

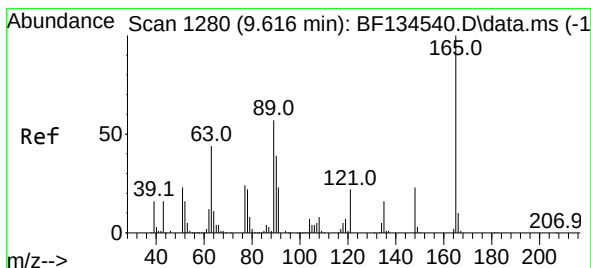
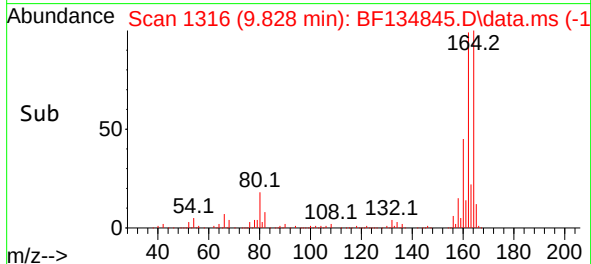
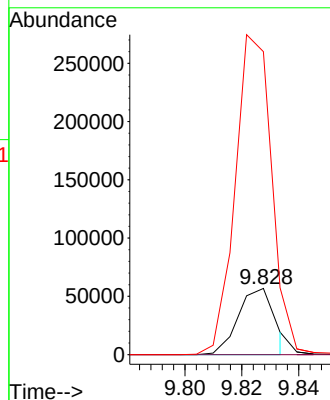
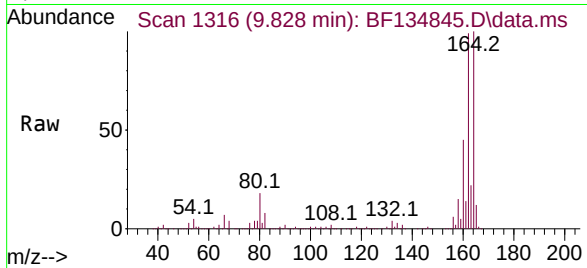




#50
Dimethylphthalate
Concen: 3.006 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.259 min
Lab File: BF134845.D
Acq: 18 Aug 2023 17:42

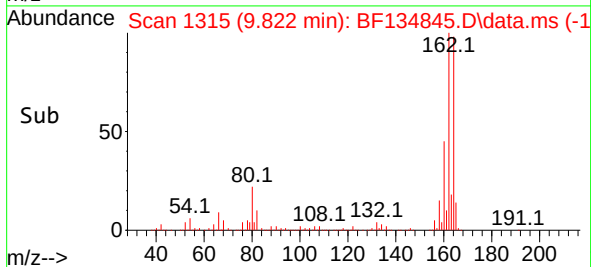
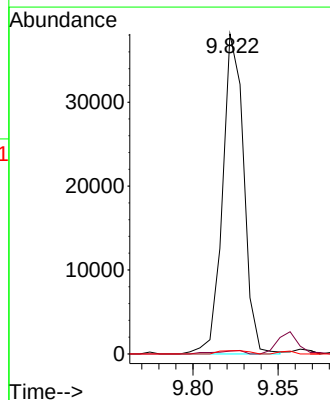
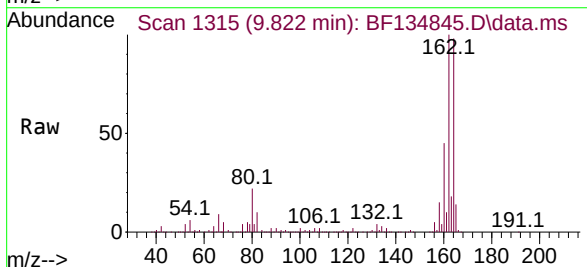
Instrument :
BNA_F
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SB-02(0-5)

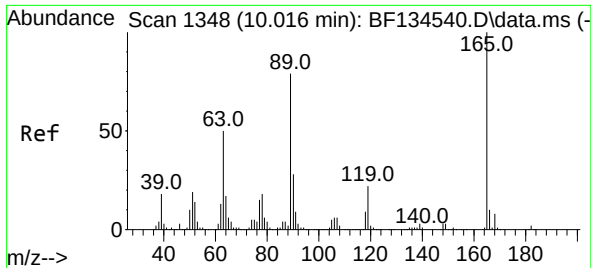
Tgt Ion:163 Resp: 50609
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 457.5 7.5 11.3#



#51
2,6-Dinitrotoluene
Concen: 11.544 ng
RT: 9.822 min Scan# 1315
Delta R.T. 0.194 min
Lab File: BF134845.D
Acq: 18 Aug 2023 17:42

Tgt Ion:165 Resp: 32923
Ion Ratio Lower Upper
165 100
63 0.9 57.8 86.6#
89 1.0 51.8 77.8#

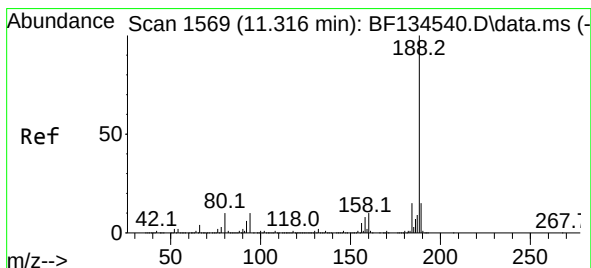
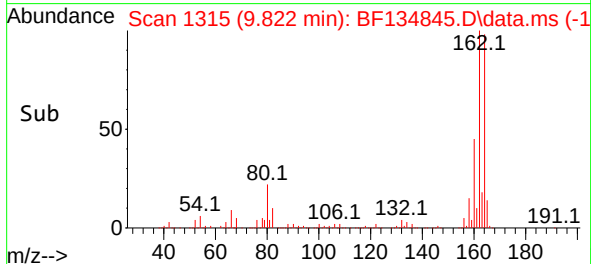
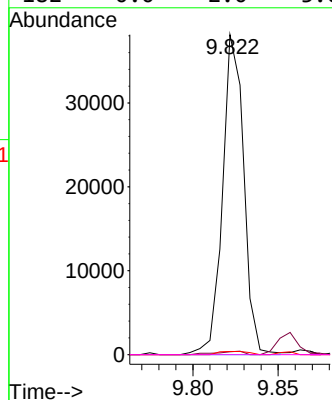
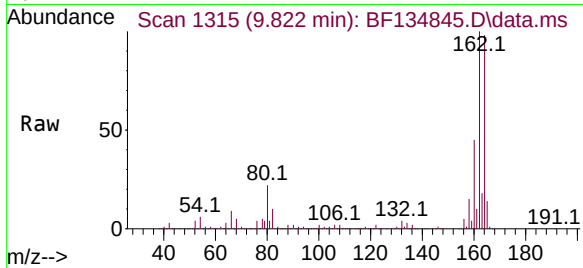




#57
2,4-Dinitrotoluene
Concen: 10.284 ng
RT: 9.822 min Scan# 1348
Delta R.T. -0.206 min
Lab File: BF134845.D
Acq: 18 Aug 2023 17:42

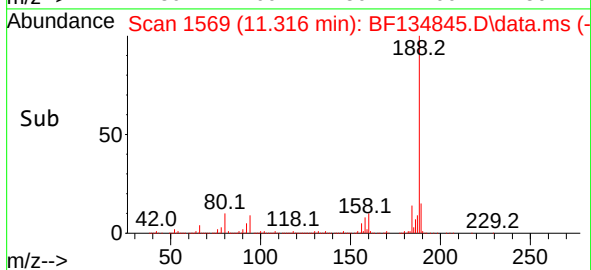
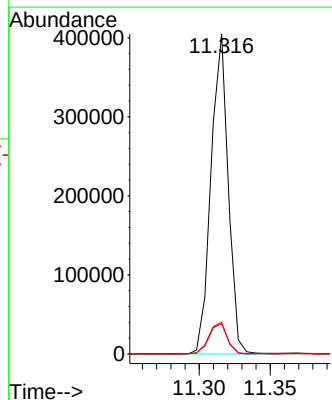
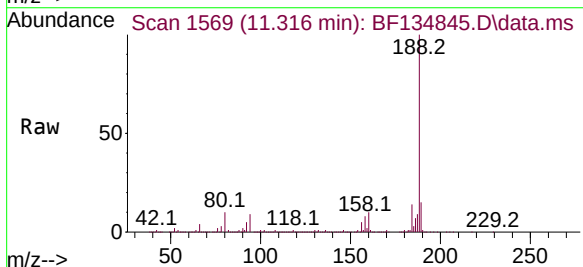
Instrument :
BNA_F
ClientSampleId :
SB-02(0-5)

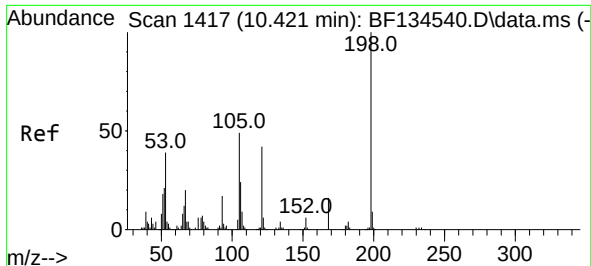
Tgt Ion:165	Resp:	32923
Ion Ratio	Lower	Upper
165	100	
63	0.9	48.9 73.3#
89	1.0	61.7 92.5#
182	0.0	2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF134845.D
Acq: 18 Aug 2023 17:42

Tgt Ion:188	Resp:	341058
Ion Ratio	Lower	Upper
188	100	
94	9.4	5.1 7.7#
80	9.9	6.6 9.8#





#65

4,6-Dinitro-2-methylphenol

Concen: 8.895 ng

RT: 10.610 min Scan# 1417

Delta R.T. 0.171 min

Lab File: BF134845.D

Acq: 18 Aug 2023 17:42

Instrument :

BNA_F

ClientSampleId :

SB-02(0-5)

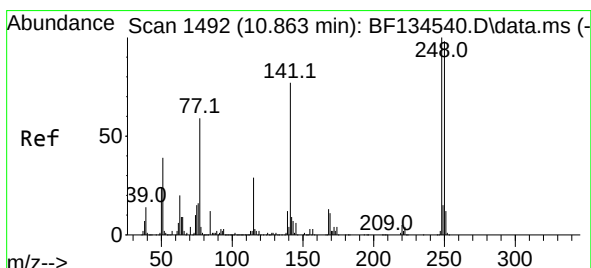
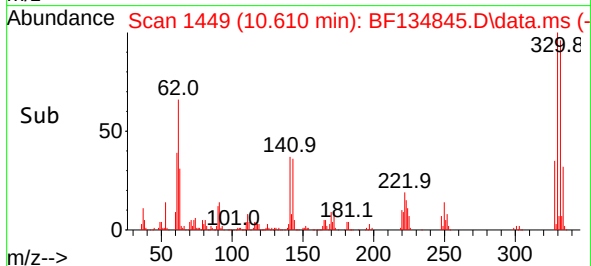
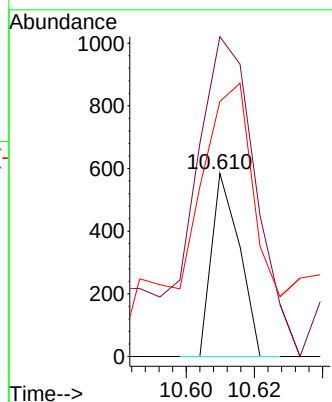
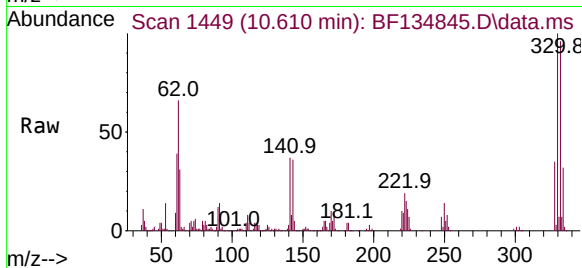
Tgt Ion:198 Resp: 330

Ion Ratio Lower Upper

198 100

51 174.8 38.6 78.6#

105 139.4 27.9 67.9#



#67

4-Bromophenyl-phenylether

Concen: 3.087 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.253 min

Lab File: BF134845.D

Acq: 18 Aug 2023 17:42

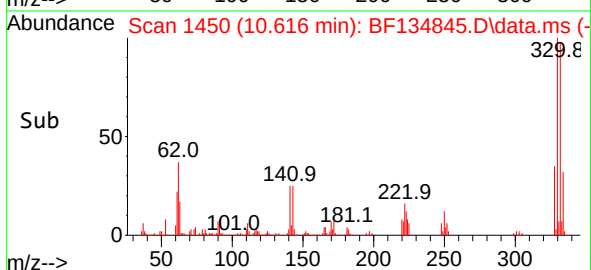
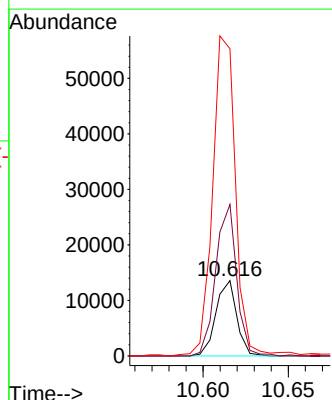
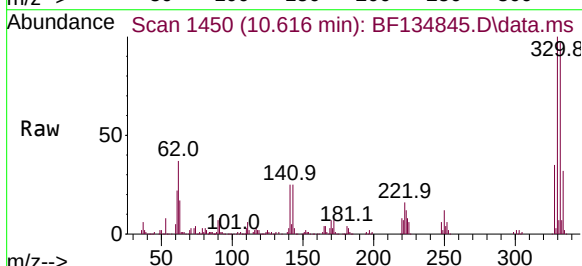
Tgt Ion:248 Resp: 11524

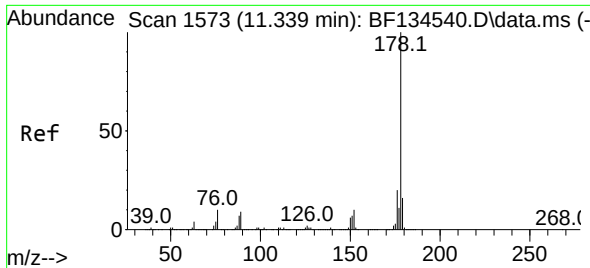
Ion Ratio Lower Upper

248 100

250 201.1 79.6 119.4#

141 407.9 59.6 89.4#

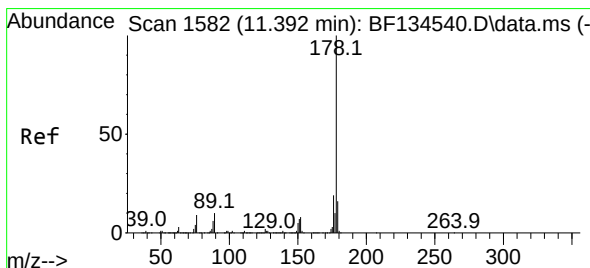
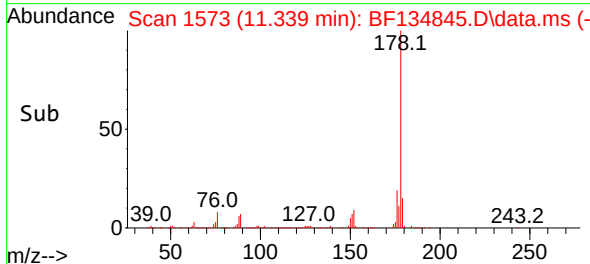
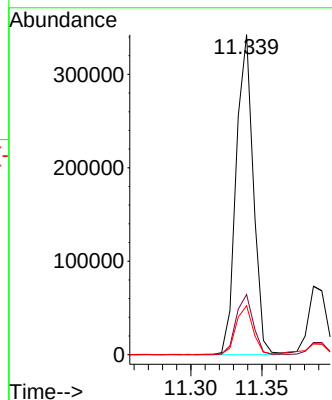
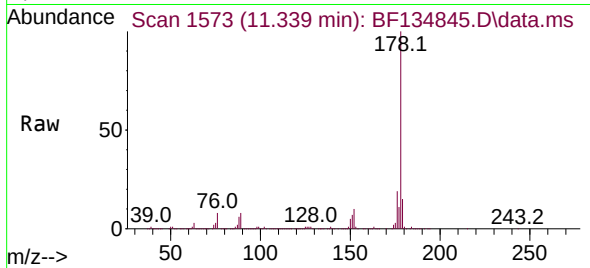




#71
Phenanthrene
Concen: 15.813 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF134845.D
Acq: 18 Aug 2023 17:42

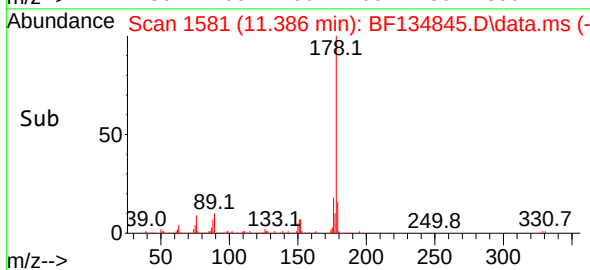
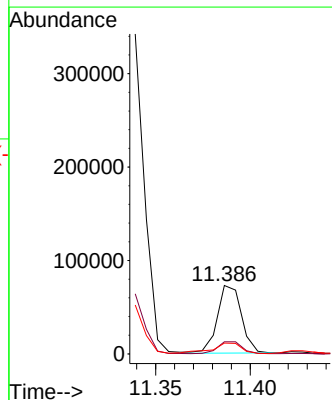
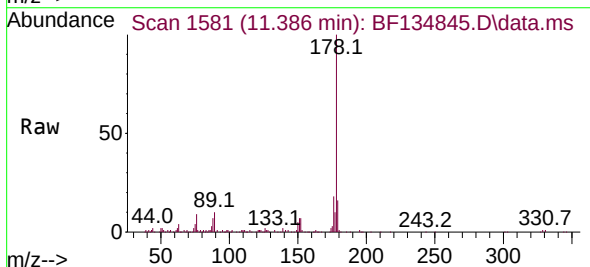
Instrument :
BNA_F
ClientSampleId :
SB-02(0-5)

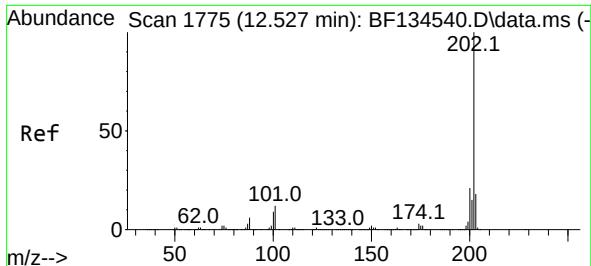
Tgt Ion:178 Resp: 286467
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.6
179 15.3 12.7 19.1



#72
Anthracene
Concen: 3.490 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.018 min
Lab File: BF134845.D
Acq: 18 Aug 2023 17:42

Tgt Ion:178 Resp: 64583
Ion Ratio Lower Upper
178 100
176 17.7 14.6 21.8
179 15.7 12.3 18.5

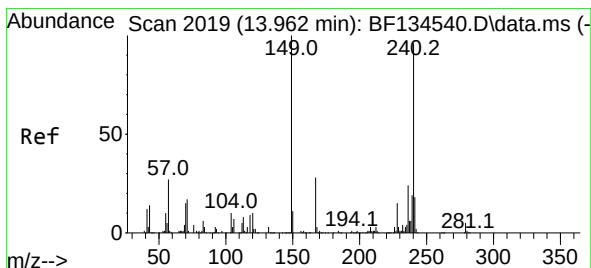
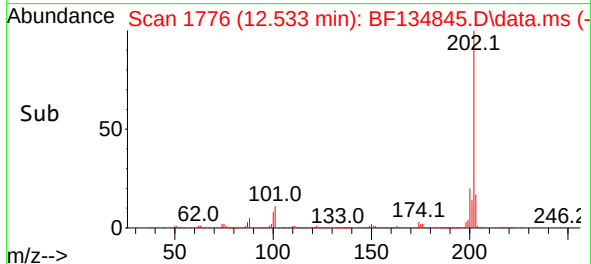
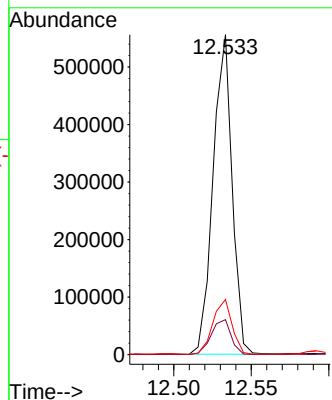
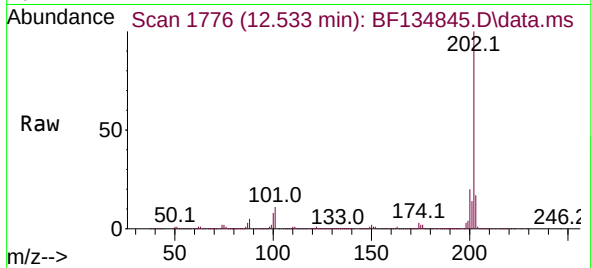




#75
Fluoranthene
Concen: 24.874 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF134845.D
Acq: 18 Aug 2023 17:42

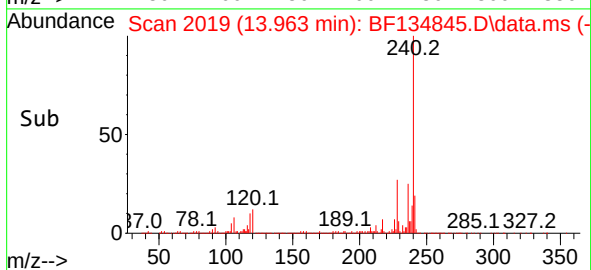
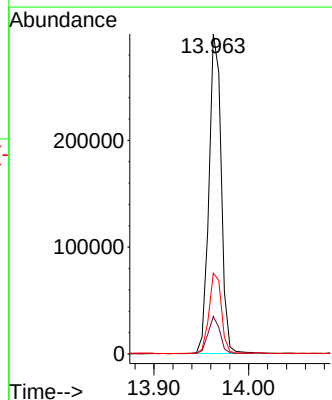
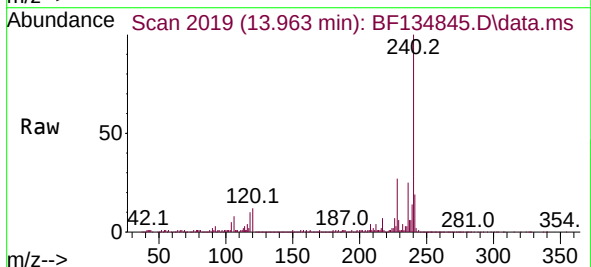
Instrument :
BNA_F
ClientSampleId :
SB-02(0-5)

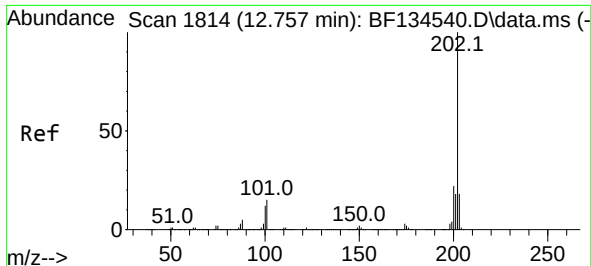
Tgt Ion:202 Resp: 475974
Ion Ratio Lower Upper
202 100
101 10.9 0.0 28.5
203 17.2 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF134845.D
Acq: 18 Aug 2023 17:42

Tgt Ion:240 Resp: 270504
Ion Ratio Lower Upper
240 100
120 11.7 6.6 10.0#
236 25.2 20.2 30.2

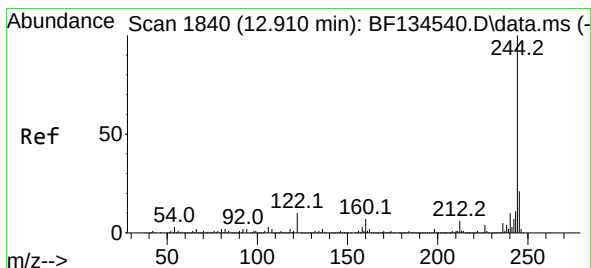
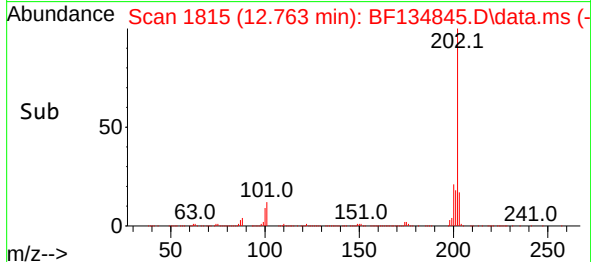
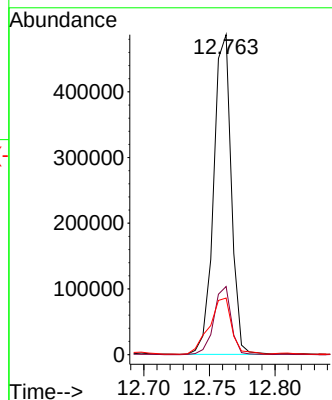
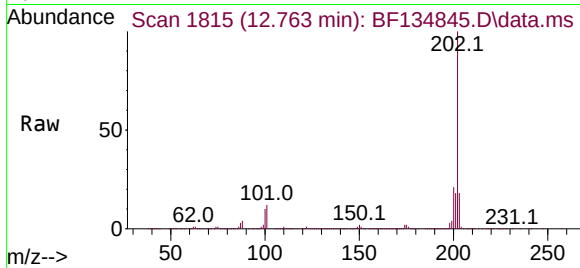




#78
Pyrene
Concen: 19.491 ng
RT: 12.763 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF134845.D
Acq: 18 Aug 2023 17:42

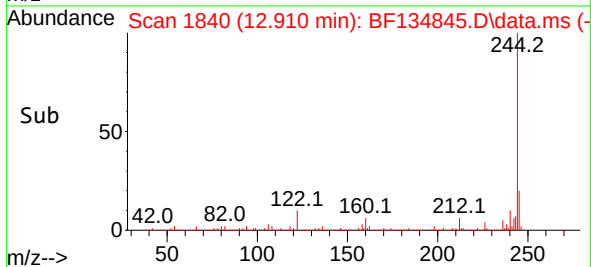
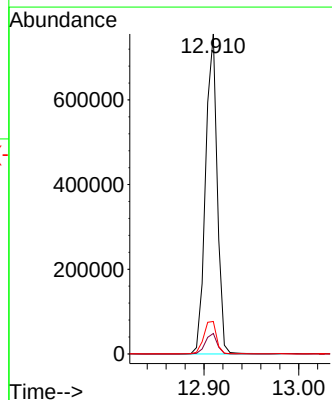
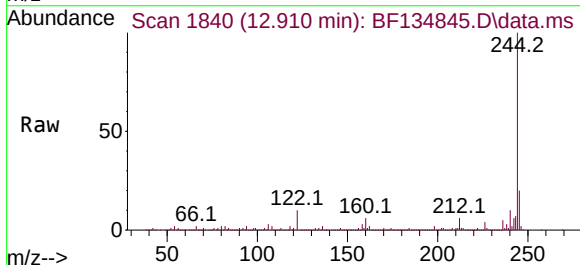
Instrument :
BNA_F
ClientSampleId :
SB-02(0-5)

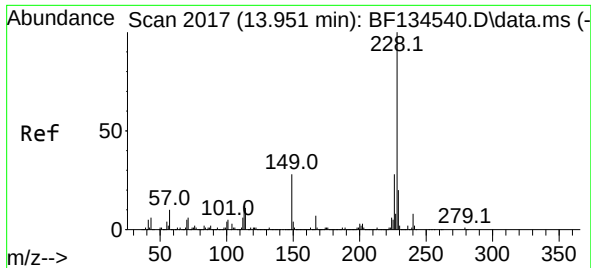
Tgt Ion:202 Resp: 456224
Ion Ratio Lower Upper
202 100
200 21.3 15.8 23.8
203 17.7 13.5 20.3



#79
Terphenyl-d14
Concen: 42.198 ng
RT: 12.910 min Scan# 1840
Delta R.T. -0.012 min
Lab File: BF134845.D
Acq: 18 Aug 2023 17:42

Tgt Ion:244 Resp: 647515
Ion Ratio Lower Upper
244 100
212 6.4 5.6 8.4
122 10.1 8.0 12.0

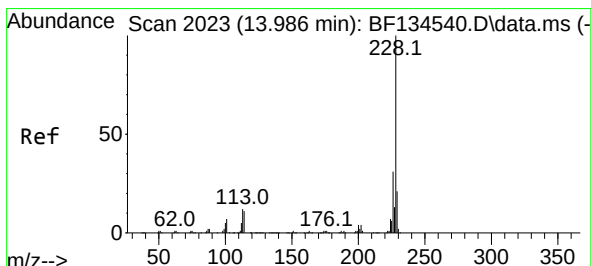
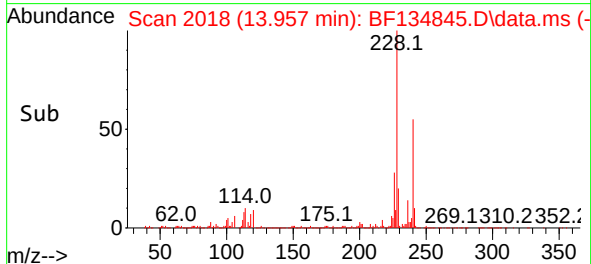
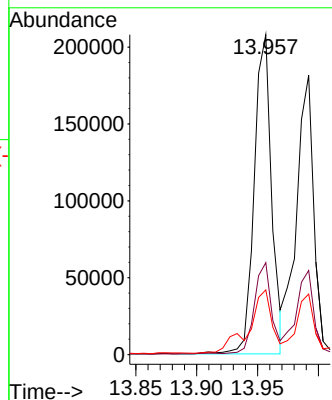
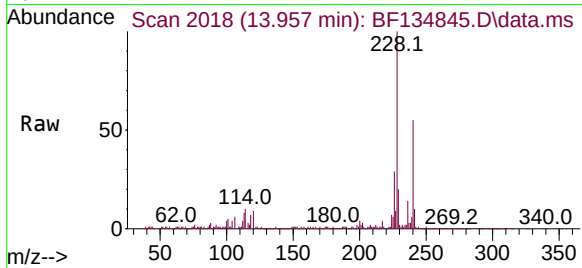




#81
Benzo(a)anthracene
Concen: 10.658 ng
RT: 13.957 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF134845.D
Acq: 18 Aug 2023 17:42

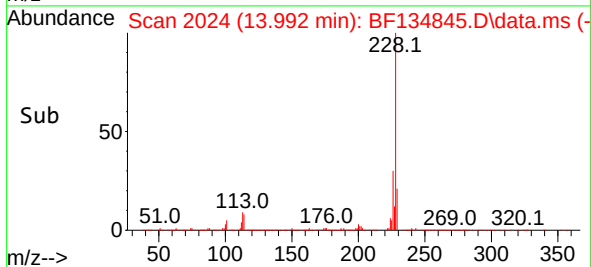
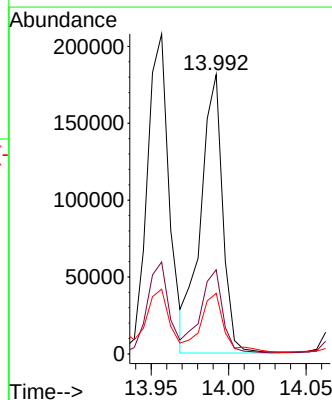
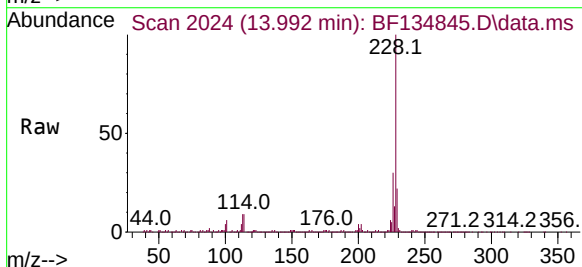
Instrument :
BNA_F
ClientSampleId :
SB-02(0-5)

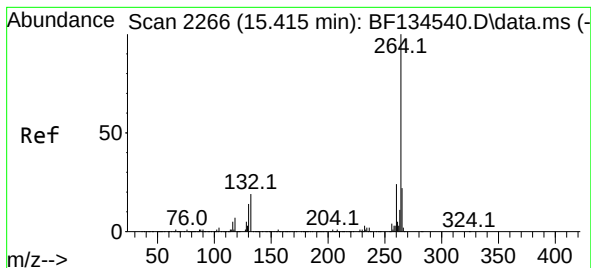
Tgt Ion:228 Resp: 206156
Ion Ratio Lower Upper
228 100
226 28.7 22.3 33.5
229 20.2 15.8 23.6



#83
Chrysene
Concen: 9.589 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF134845.D
Acq: 18 Aug 2023 17:42

Tgt Ion:228 Resp: 180692
Ion Ratio Lower Upper
228 100
226 30.1 24.5 36.7
229 21.7 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.433 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134845.D

Acq: 18 Aug 2023 17:42

Instrument :

BNA_F

ClientSampleId :

SB-02(0-5)

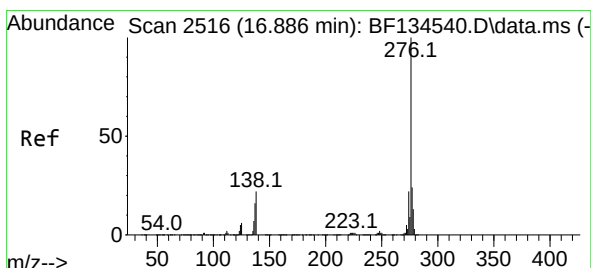
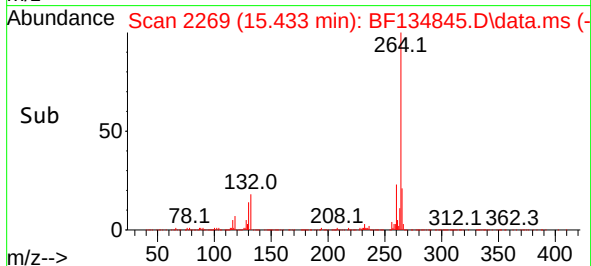
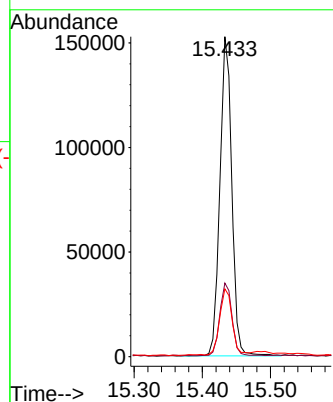
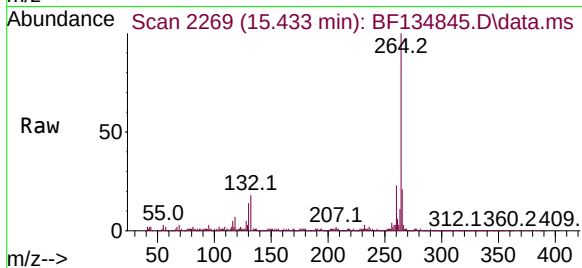
Tgt Ion:264 Resp: 184280

Ion Ratio Lower Upper

264 100

260 23.0 18.4 27.6

265 21.2 15.8 23.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.977 ng

RT: 16.915 min Scan# 2521

Delta R.T. -0.012 min

Lab File: BF134845.D

Acq: 18 Aug 2023 17:42

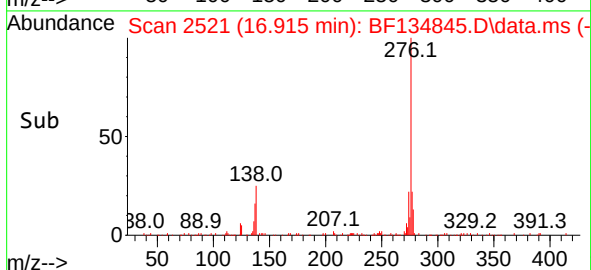
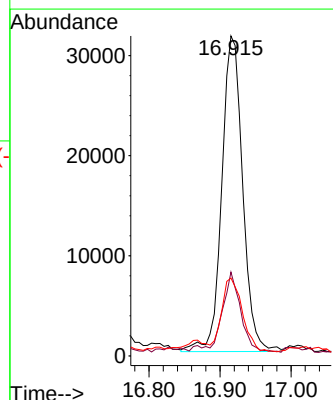
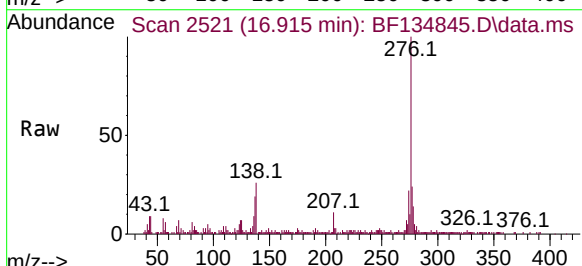
Tgt Ion:276 Resp: 64775

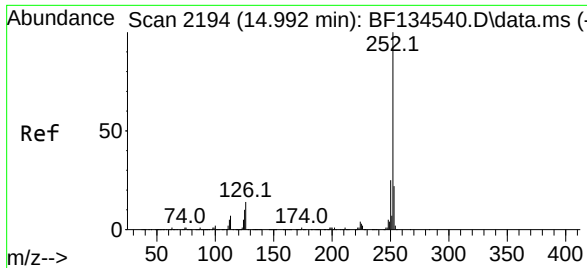
Ion Ratio Lower Upper

276 100

138 21.1 14.2 21.4

277 23.1 19.9 29.9

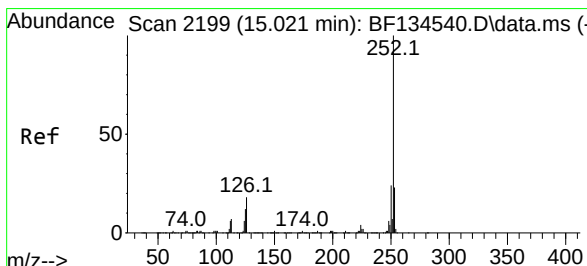
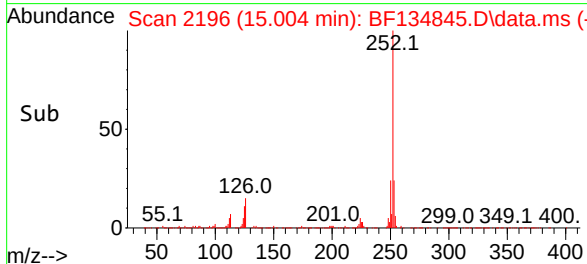
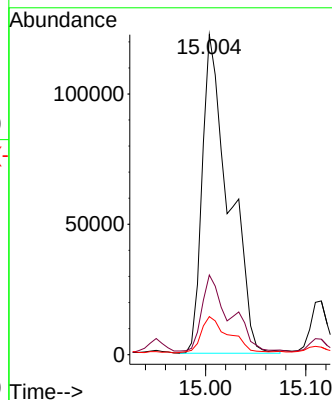
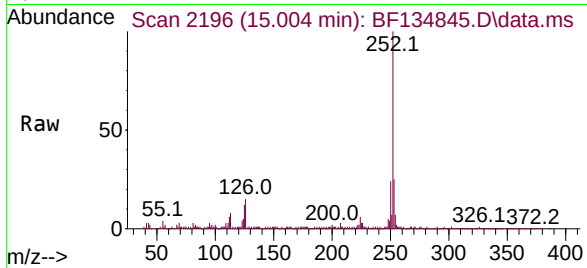




#88
Benzo(b)fluoranthene
Concen: 20.050 ng
RT: 15.004 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF134845.D
Acq: 18 Aug 2023 17:42

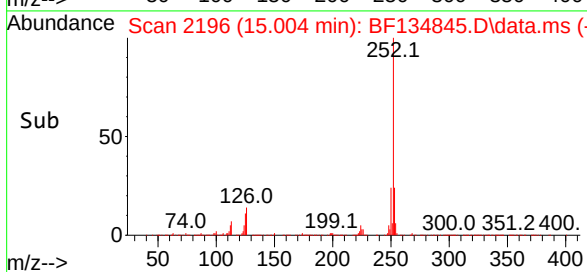
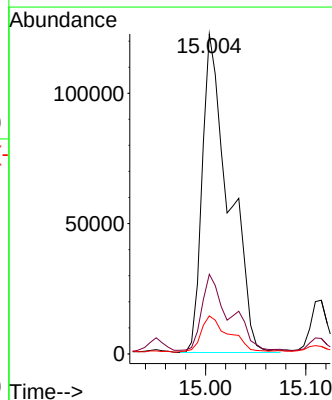
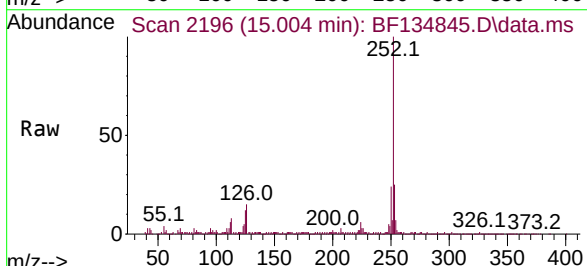
Instrument :
BNA_F
ClientSampleId :
SB-02(0-5)

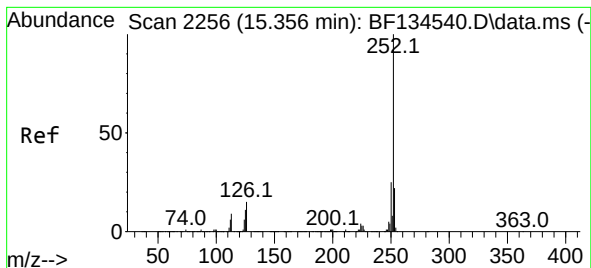
Tgt Ion:252 Resp: 225341
Ion Ratio Lower Upper
252 100
253 24.9 17.3 25.9
125 11.9 6.0 9.0#



#89
Benzo(k)fluoranthene
Concen: 20.127 ng
RT: 15.004 min Scan# 2196
Delta R.T. -0.035 min
Lab File: BF134845.D
Acq: 18 Aug 2023 17:42

Tgt Ion:252 Resp: 225341
Ion Ratio Lower Upper
252 100
253 24.9 17.9 26.9
125 11.9 6.3 9.5#





#90

Benzo(a)pyrene

Concen: 11.235 ng

RT: 15.368 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF134845.D

Acq: 18 Aug 2023 17:42

Instrument :

BNA_F

ClientSampleId :

SB-02(0-5)

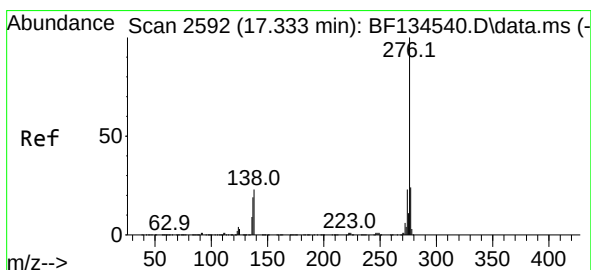
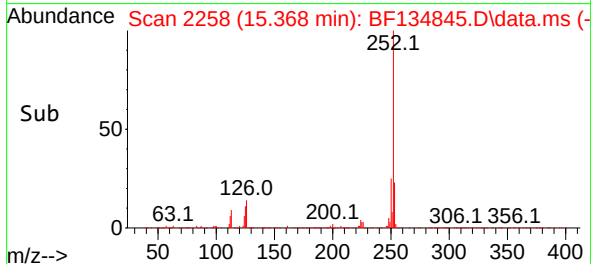
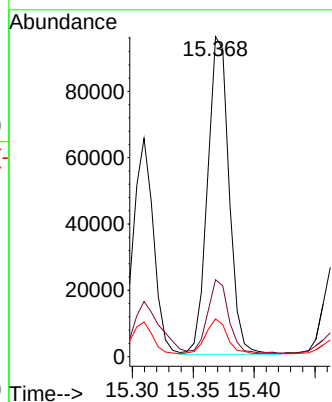
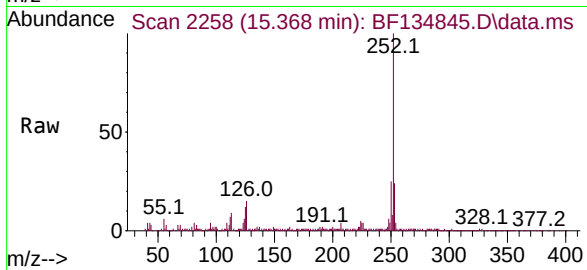
Tgt Ion:252 Resp: 117737

Ion Ratio Lower Upper

252 100

253 24.1 17.0 25.4

125 11.8 6.2 9.4#



#92

Benzo(g,h,i)perylene

Concen: 7.528 ng

RT: 17.368 min Scan# 2598

Delta R.T. -0.006 min

Lab File: BF134845.D

Acq: 18 Aug 2023 17:42

Tgt Ion:276 Resp: 67259

Ion Ratio Lower Upper

276 100

277 25.7 19.0 28.6

138 24.2 12.2 18.2#

