

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063023\
 Data File : BF134071.D
 Acq On : 01 Jul 2023 02:02
 Operator : CG\JU
 Sample : 03362-14 4X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-19-20

Quant Time: Jul 01 04:36:51 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 30 18:35:29 2023
 Response via : Initial Calibration

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

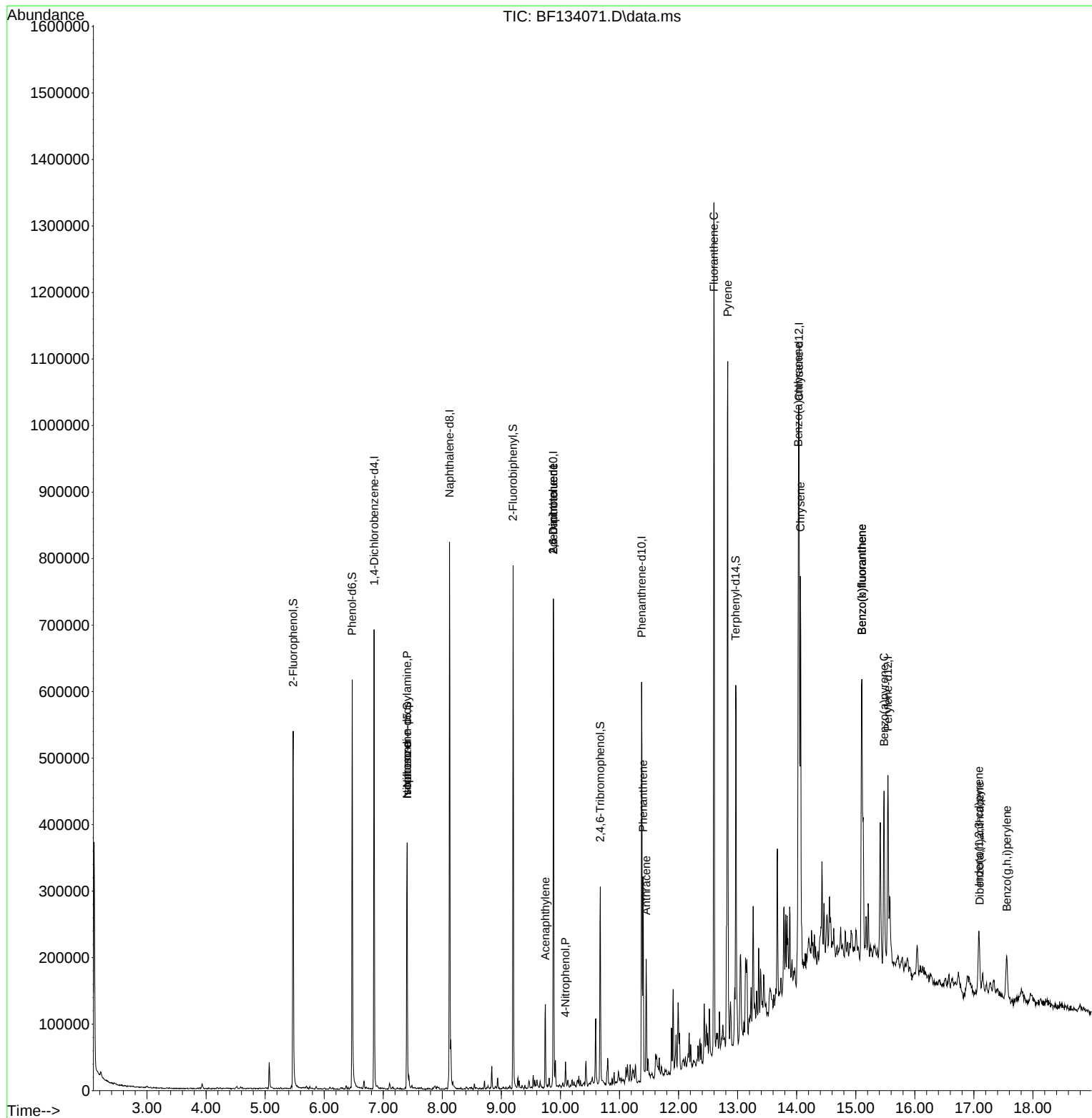
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	93818	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	336480	20.000	ng	-0.01
39) Acenaphthene-d10	9.880	164	139911	20.000	ng	-0.01
64) Phenanthrene-d10	11.374	188	224660	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	183611	20.000	ng	-0.01
86) Perylene-d12	15.545	264	134451	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	146116	26.052	ng	-0.01
7) Phenol-d6	6.475	99	171932	24.927	ng	-0.02
23) Nitrobenzene-d5	7.404	82	109979	17.619	ng	-0.02
42) 2,4,6-Tribromophenol	10.674	330	33762	19.246	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	217172	22.568	ng	-0.01
79) Terphenyl-d14	12.968	244	187905	16.471	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	6.404	77	596	Below Cal	#	47
19) n-Nitroso-di-n-propyla...	7.404	70	15644	3.577	ng	# 76
25) Isophorone	7.404	82	109977	9.694	ng	# 64
49) Acenaphthylene	9.745	152	53539	3.817	ng	99
51) 2,6-Dinitrotoluene	9.880	165	19022	8.696	ng	# 24
56) 4-Nitrophenol	10.086	139	4573	2.491	ng	# 5
57) 2,4-Dinitrotoluene	9.880	165	19022	6.585	ng	# 23
71) Phenanthrene	11.398	178	106890	9.451	ng	98
72) Anthracene	11.451	178	69916	5.943	ng	99
75) Fluoranthene	12.598	202	514959	42.117	ng	99
78) Pyrene	12.833	202	448081	26.223	ng	99
81) Benzo(a)anthracene	14.027	228	284054	22.307	ng	98
83) Chrysene	14.063	228	254352	20.623	ng	97
87) Indeno(1,2,3-cd)pyrene	17.086	276	71769	7.693	ng	94
88) Benzo(b)fluoranthene	15.104	252	326862	41.344	ng	99
89) Benzo(k)fluoranthene	15.104	252	326862	40.607	ng	98
90) Benzo(a)pyrene	15.480	252	127693	16.703	ng	97
91) Dibenzo(a,h)anthracene	17.098	278	19637	2.577	ng	96
92) Benzo(g,h,i)perylene	17.556	276	60147	7.654	ng	95

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

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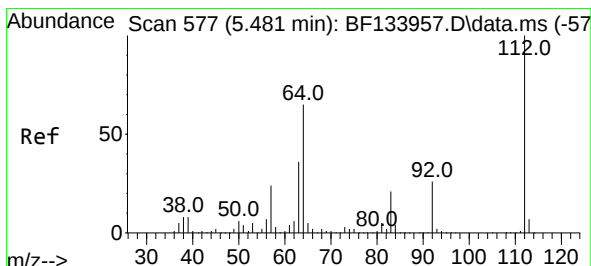
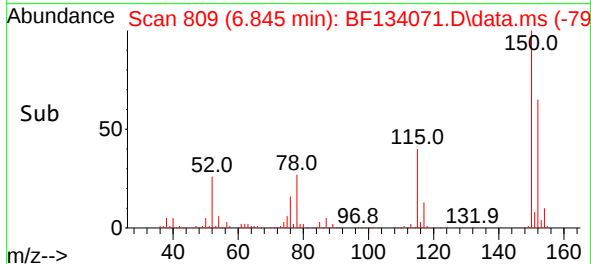
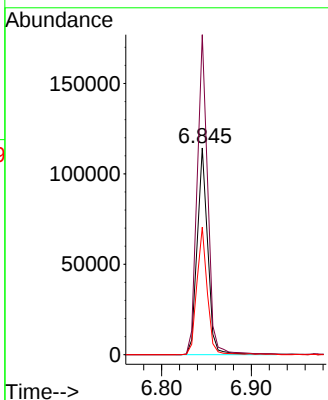
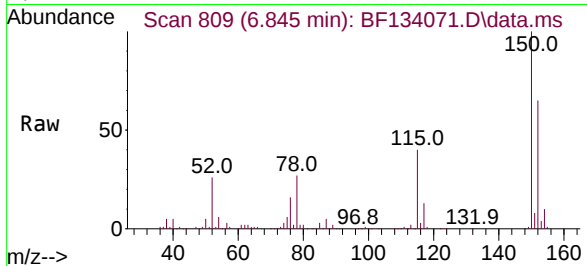




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 810
Delta R.T. -0.006 min
Lab File: BF134071.D
Acq: 01 Jul 2023 02:02

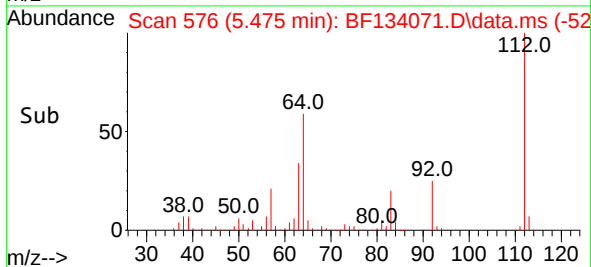
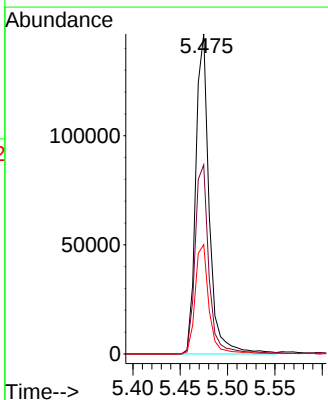
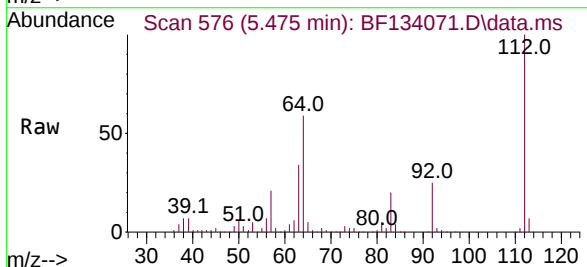
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-19-20

Tgt Ion:152 Resp: 93818
Ion Ratio Lower Upper
152 100
150 154.8 124.5 186.7
115 61.7 50.2 75.2



#5
2-Fluorophenol
Concen: 26.052 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF134071.D
Acq: 01 Jul 2023 02:02

Tgt Ion:112 Resp: 146116
Ion Ratio Lower Upper
112 100
64 59.1 52.1 78.1
63 34.2 28.6 42.8





#7

Phenol-d6

Concen: 24.927 ng

RT: 6.475 min Scan# 74

Delta R.T. -0.018 min

Lab File: BF134071.D

Acq: 01 Jul 2023 02:02

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-19-20

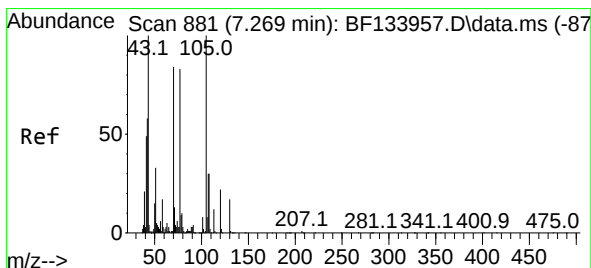
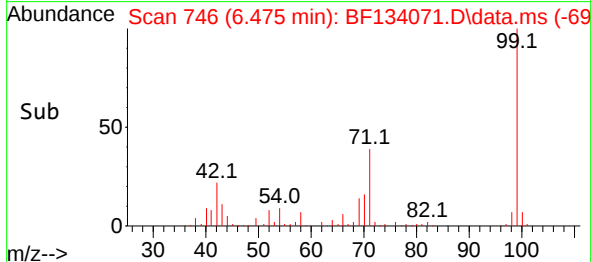
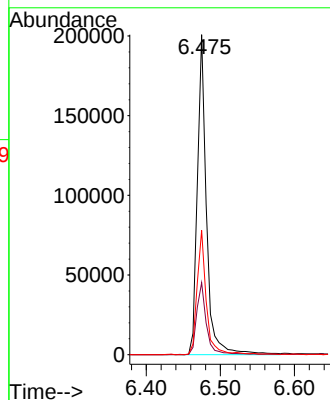
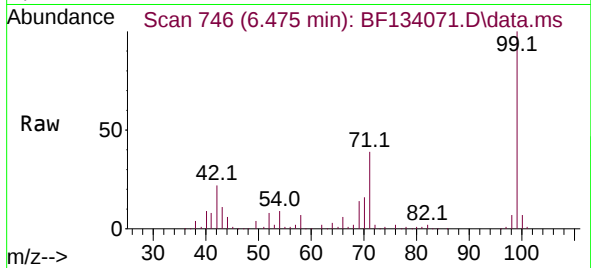
Tgt Ion: 99 Resp: 171932

Ion Ratio Lower Upper

99 100

42 22.5 19.8 29.6

71 38.9 31.9 47.9



#19

n-Nitroso-di-n-propylamine

Concen: 3.577 ng

RT: 7.404 min Scan# 904

Delta R.T. 0.135 min

Lab File: BF134071.D

Acq: 01 Jul 2023 02:02

Tgt Ion: 70 Resp: 15644

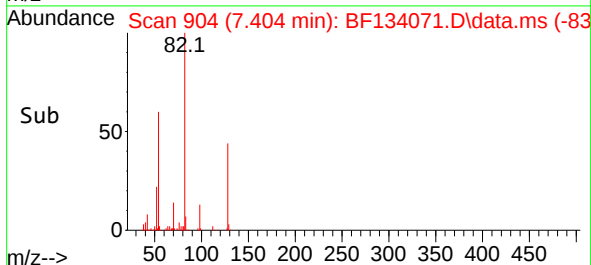
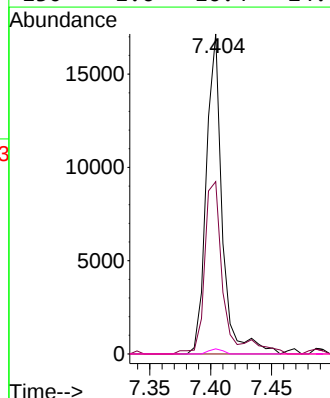
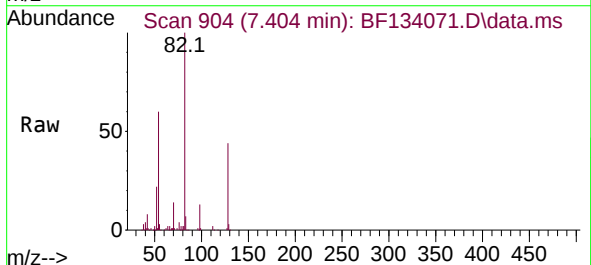
Ion Ratio Lower Upper

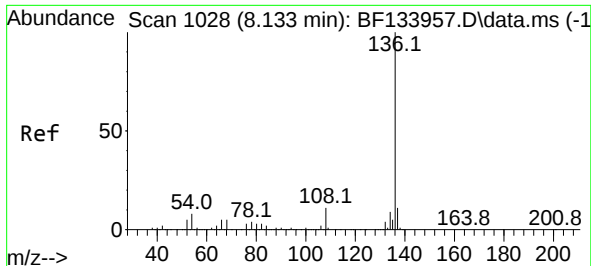
70 100

42 53.9 54.7 82.1#

101 0.0 7.7 11.5#

130 1.6 16.4 24.6#



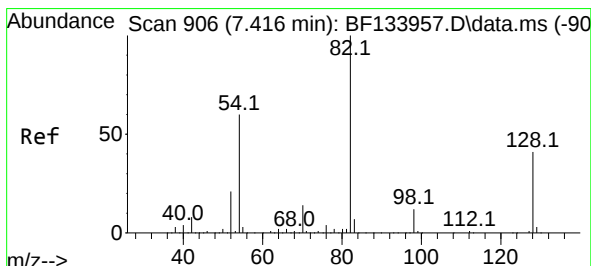
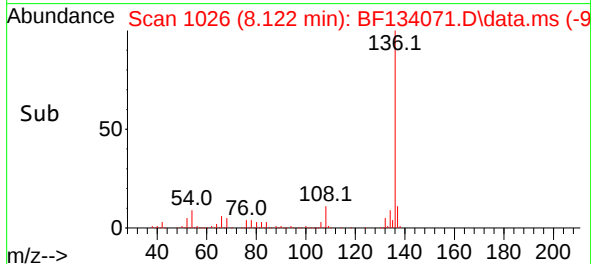
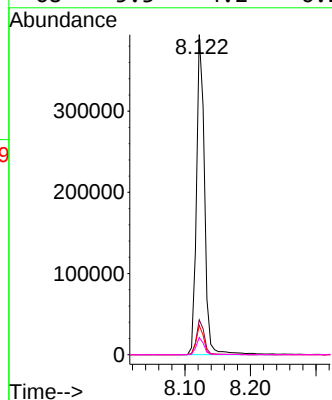
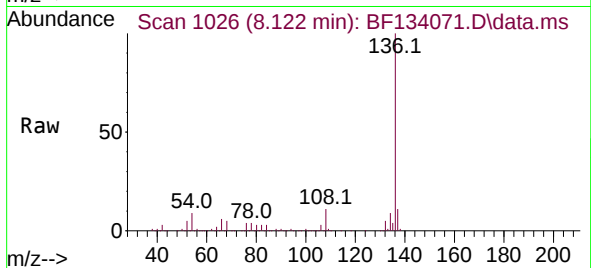


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.012 min
Lab File: BF134071.D
Acq: 01 Jul 2023 02:02

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-19-20

Tgt Ion:136 Resp: 336480

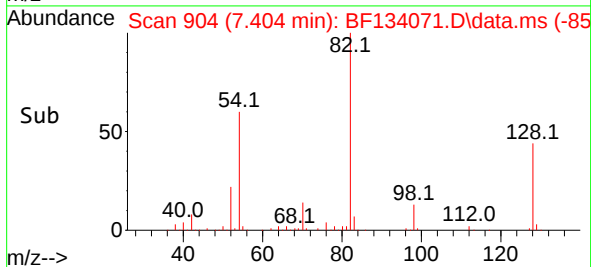
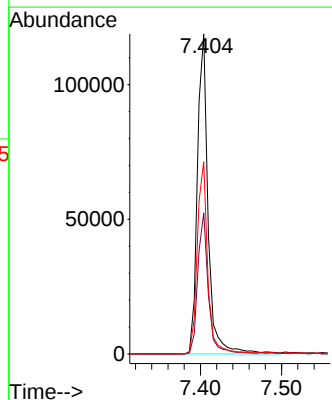
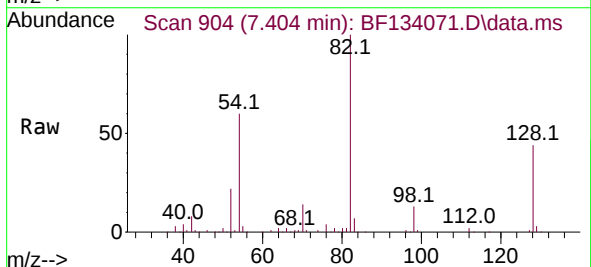
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	9.2	6.5	9.7
68	5.3	4.2	6.2



#23
Nitrobenzene-d5
Concen: 17.619 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.018 min
Lab File: BF134071.D
Acq: 01 Jul 2023 02:02

Tgt Ion: 82 Resp: 109979

Ion	Ratio	Lower	Upper
82	100		
128	44.1	32.5	48.7
54	60.1	48.2	72.2

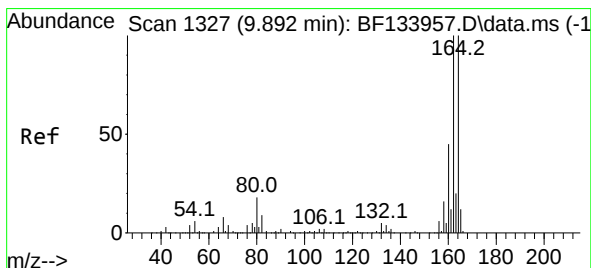
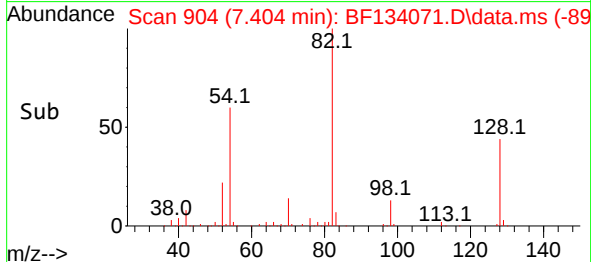
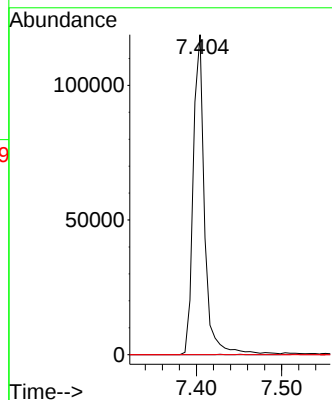
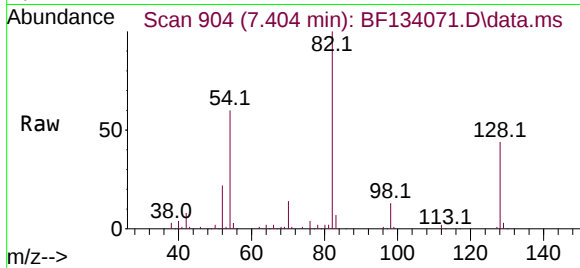




#25
Isophorone
Concen: 9.694 ng
RT: 7.404 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF134071.D
Acq: 01 Jul 2023 02:02

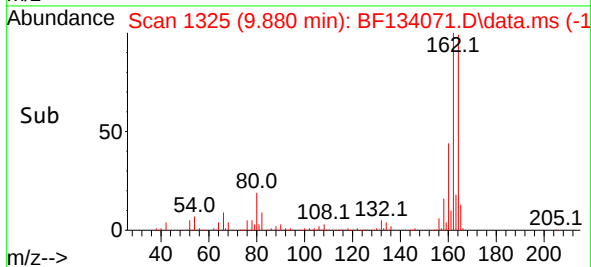
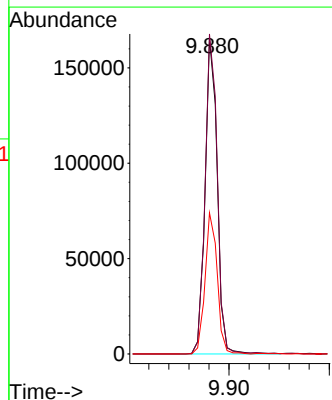
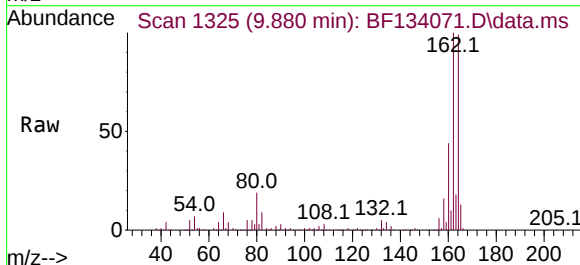
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-19-20

Tgt Ion: 82 Resp: 109977
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.012 min
Lab File: BF134071.D
Acq: 01 Jul 2023 02:02

Tgt Ion:164 Resp: 139911
Ion Ratio Lower Upper
164 100
162 101.4 80.0 120.0
160 44.7 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 19.246 ng

RT: 10.674 min Scan# 1460

Delta R.T. -0.012 min

Lab File: BF134071.D

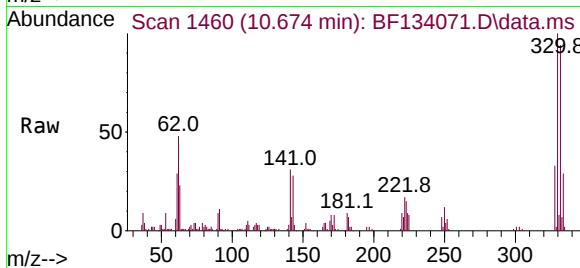
Acq: 01 Jul 2023 02:02

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-19-20



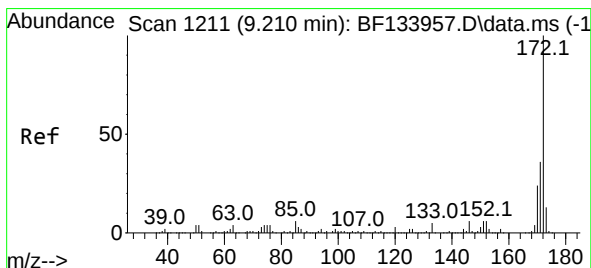
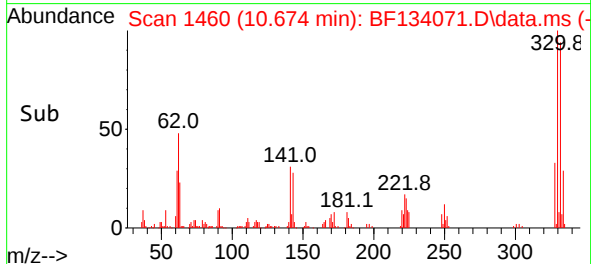
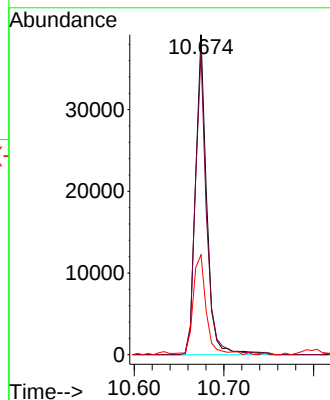
Tgt Ion:330 Resp: 33762

Ion Ratio Lower Upper

330 100

332 95.5 77.0 115.6

141 36.7 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 22.568 ng

RT: 9.198 min Scan# 1209

Delta R.T. -0.012 min

Lab File: BF134071.D

Acq: 01 Jul 2023 02:02

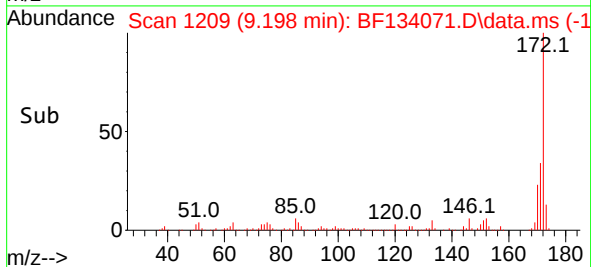
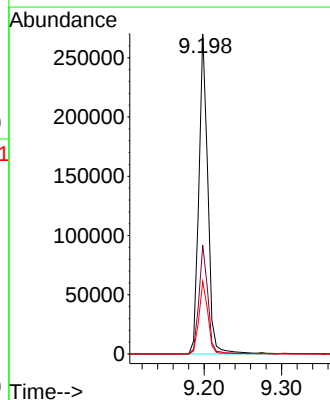
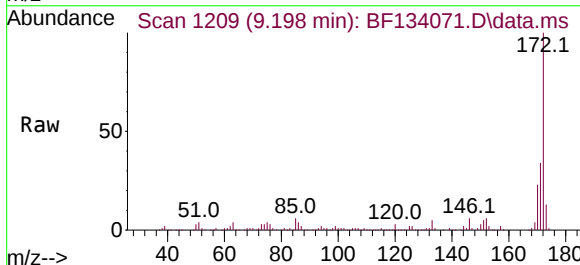
Tgt Ion:172 Resp: 217172

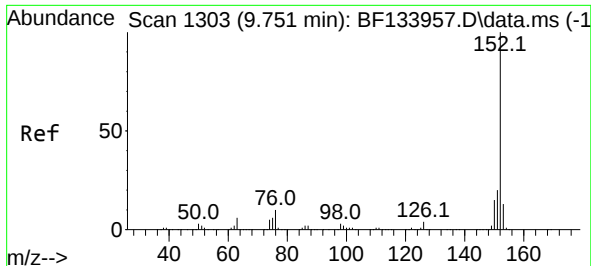
Ion Ratio Lower Upper

172 100

171 34.0 28.6 43.0

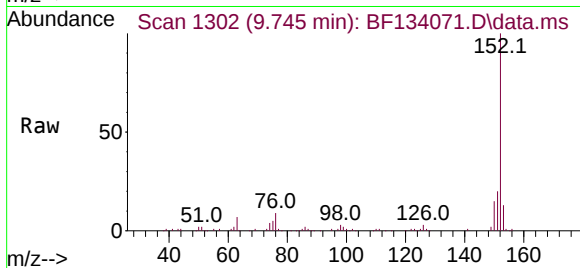
170 22.7 19.4 29.0



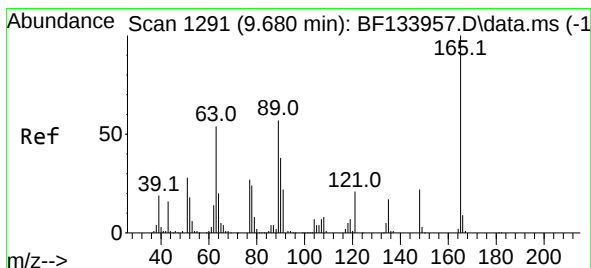
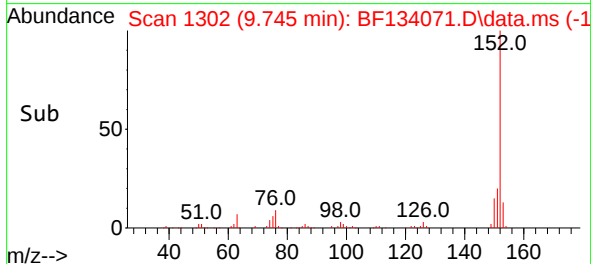
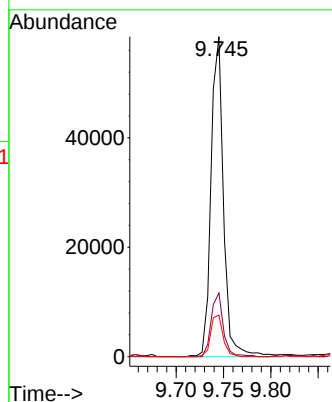


#49
Acenaphthylene
Concen: 3.817 ng
RT: 9.745 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134071.D
Acq: 01 Jul 2023 02:02

Instrument :
BNA_F
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COMPOSIT-SB-19-20

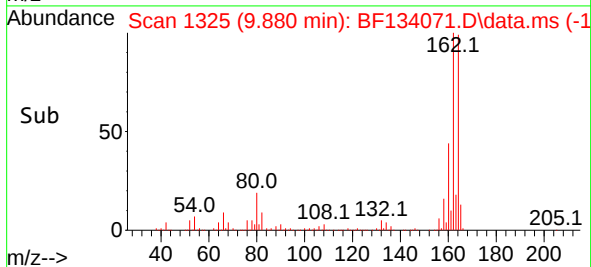
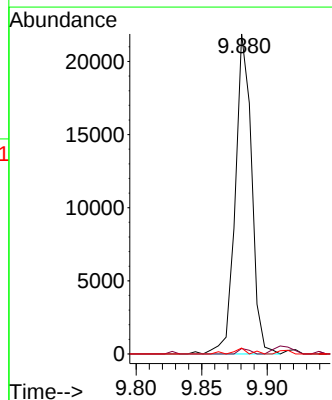
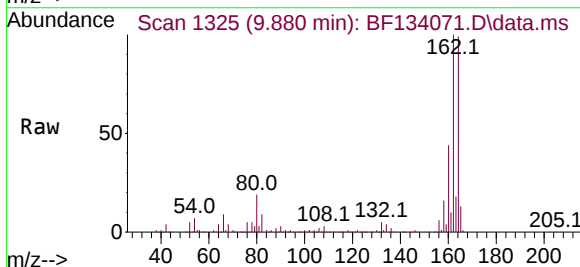


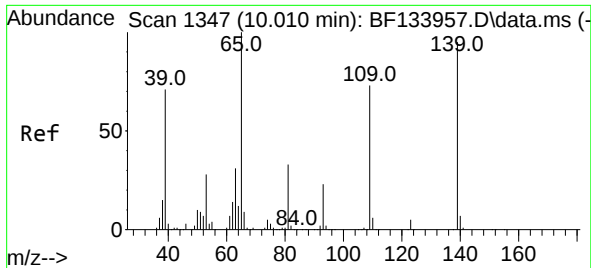
Tgt Ion:152 Resp: 53539
Ion Ratio Lower Upper
152 100
151 19.9 16.2 24.2
153 13.0 10.8 16.2



#51
2,6-Dinitrotoluene
Concen: 8.696 ng
RT: 9.880 min Scan# 1325
Delta R.T. 0.200 min
Lab File: BF134071.D
Acq: 01 Jul 2023 02:02

Tgt Ion:165 Resp: 19022
Ion Ratio Lower Upper
165 100
63 1.7 48.5 72.7#
89 1.9 45.5 68.3#

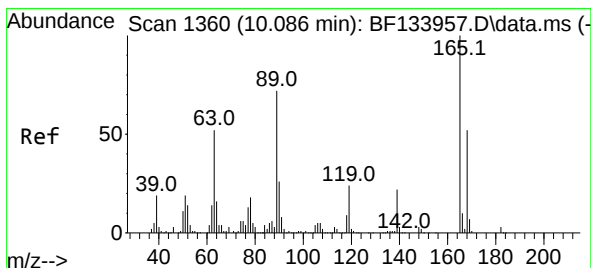
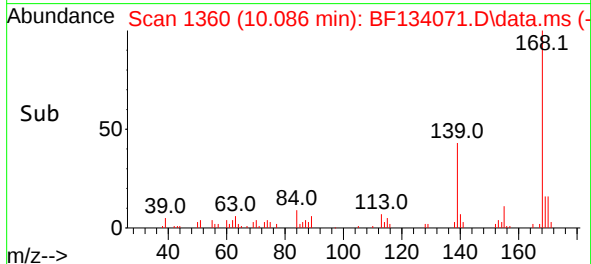
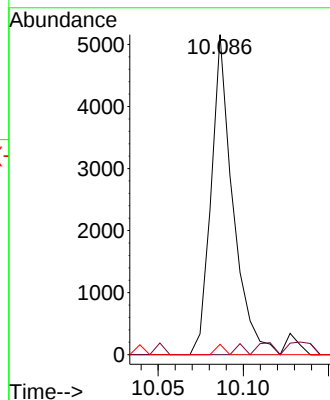
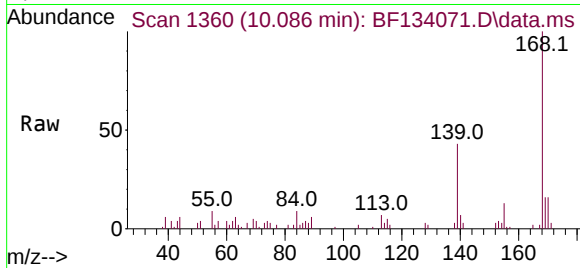




#56
4-Nitrophenol
Concen: 2.491 ng
RT: 10.086 min Scan# 11
Delta R.T. 0.070 min
Lab File: BF134071.D
Acq: 01 Jul 2023 02:02

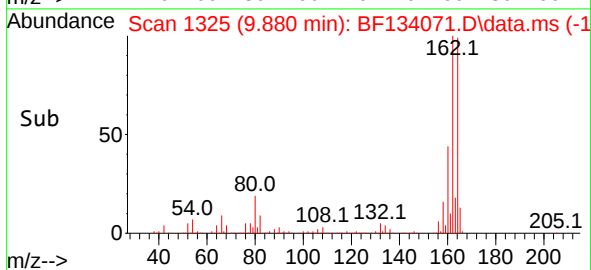
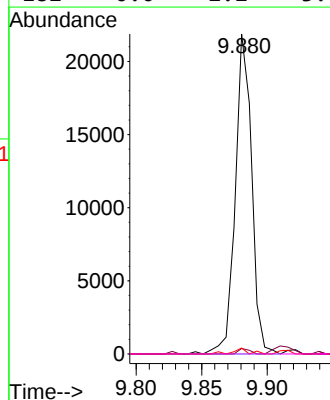
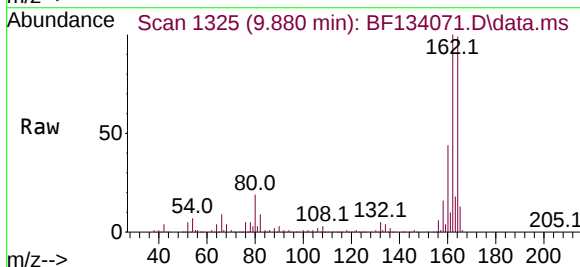
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-19-20

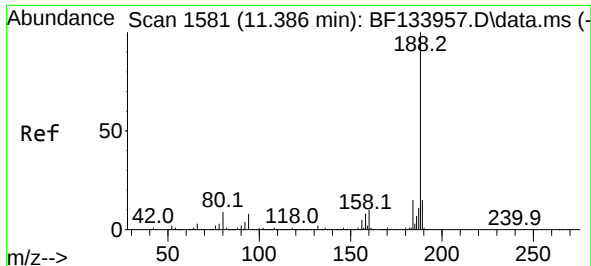
Tgt Ion:139 Resp: 4573
Ion Ratio Lower Upper
139 100
109 0.0 56.8 96.8#
65 3.2 86.1 126.1#



#57
2,4-Dinitrotoluene
Concen: 6.585 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.206 min
Lab File: BF134071.D
Acq: 01 Jul 2023 02:02

Tgt Ion:165 Resp: 19022
Ion Ratio Lower Upper
165 100
63 1.7 42.2 63.2#
89 1.9 57.4 86.2#
182 0.0 2.2 3.4#

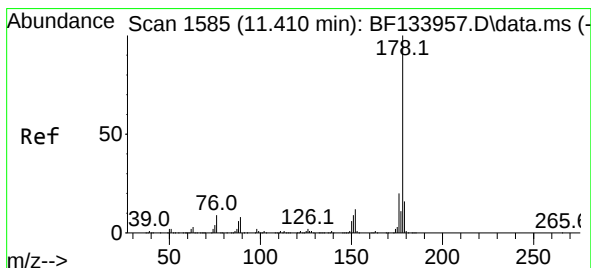
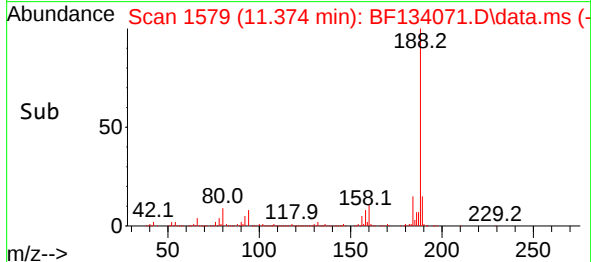
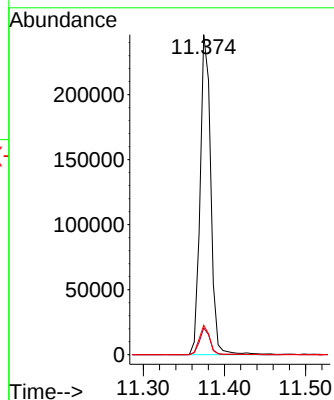
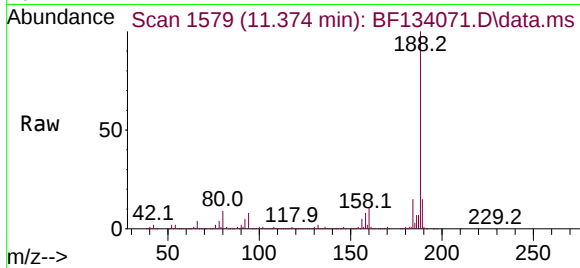




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134071.D
Acq: 01 Jul 2023 02:02

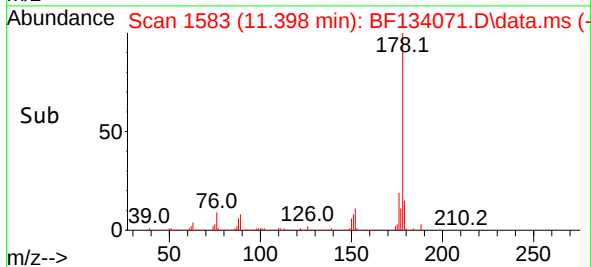
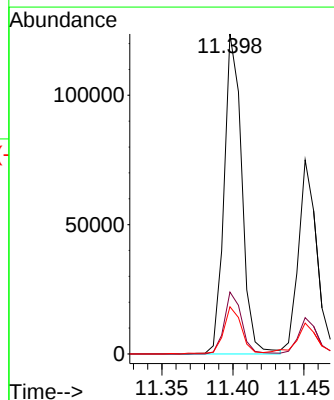
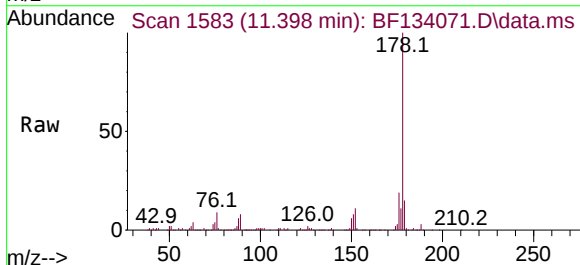
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-19-20

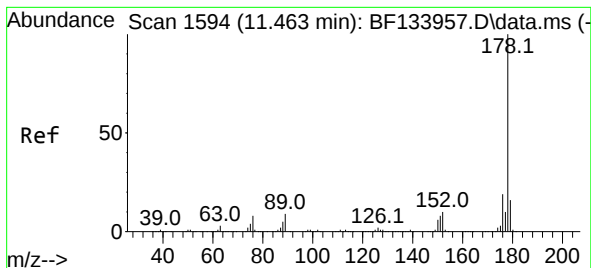
Tgt Ion:188 Resp: 224660
Ion Ratio Lower Upper
188 100
94 8.3 6.4 9.6
80 9.2 7.3 10.9



#71
Phenanthrene
Concen: 9.451 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.012 min
Lab File: BF134071.D
Acq: 01 Jul 2023 02:02

Tgt Ion:178 Resp: 106890
Ion Ratio Lower Upper
178 100
176 19.4 16.0 24.0
179 14.8 12.4 18.6





#72

Anthracene

Concen: 5.943 ng

RT: 11.451 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF134071.D

Acq: 01 Jul 2023 02:02

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-19-20

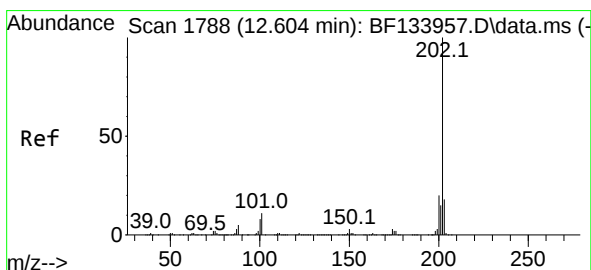
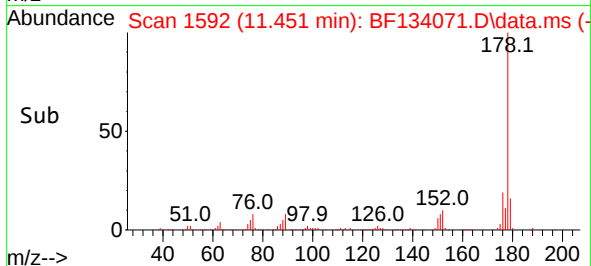
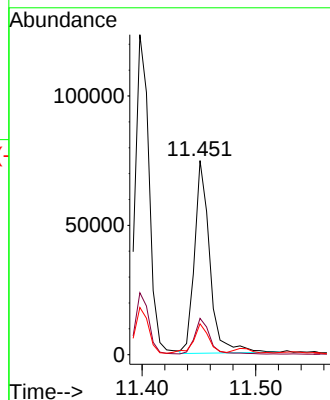
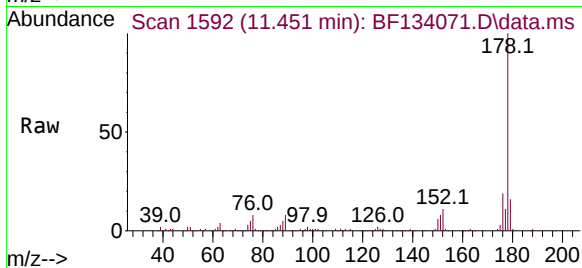
Tgt Ion:178 Resp: 69916

Ion Ratio Lower Upper

178 100

176 18.7 15.3 22.9

179 15.9 12.4 18.6



#75

Fluoranthene

Concen: 42.117 ng

RT: 12.598 min Scan# 1787

Delta R.T. -0.012 min

Lab File: BF134071.D

Acq: 01 Jul 2023 02:02

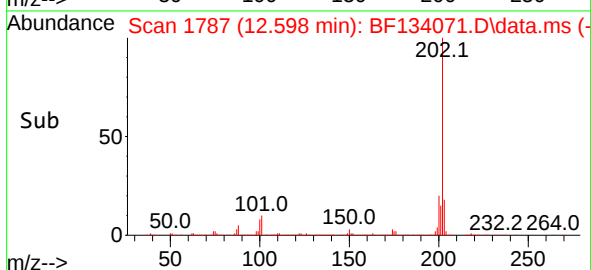
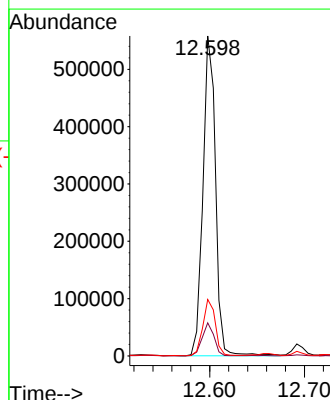
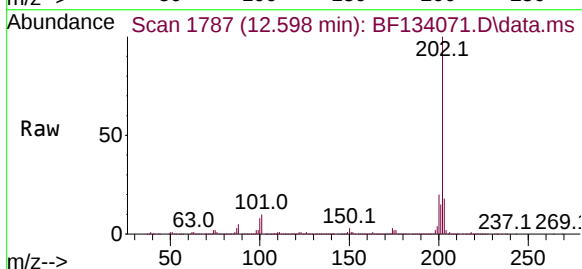
Tgt Ion:202 Resp: 514959

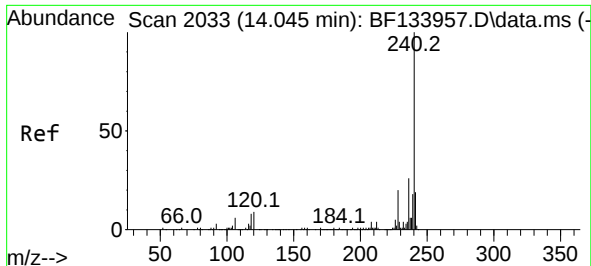
Ion Ratio Lower Upper

202 100

101 10.4 0.0 31.0

203 17.7 0.0 37.6

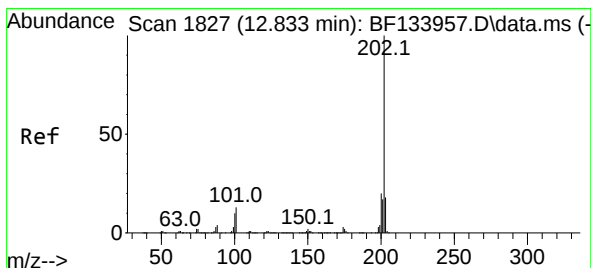
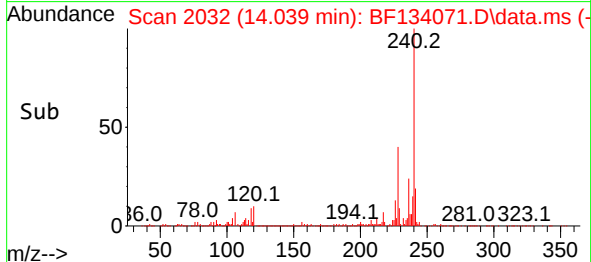
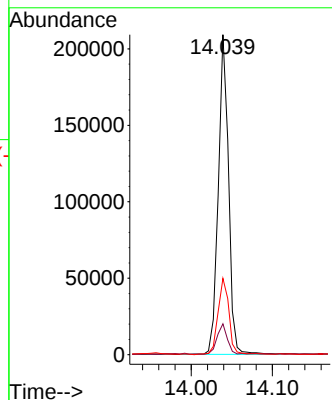
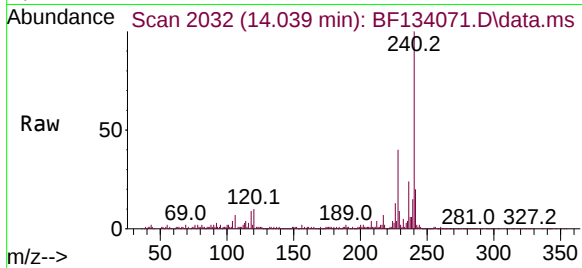




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.012 min
Lab File: BF134071.D
Acq: 01 Jul 2023 02:02

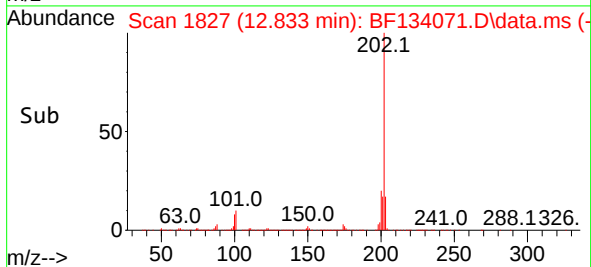
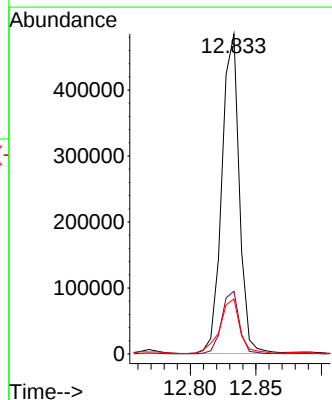
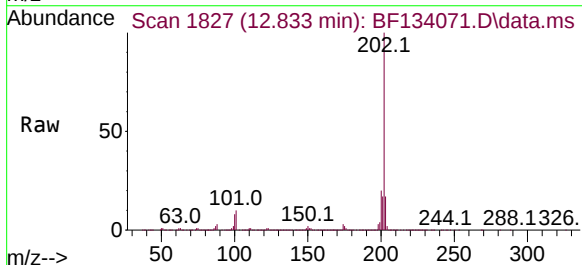
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-19-20

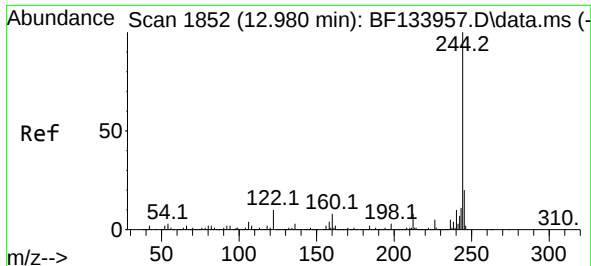
Tgt Ion:240 Resp: 183611
Ion Ratio Lower Upper
240 100
120 9.6 7.4 11.0
236 23.9 21.0 31.6



#78
Pyrene
Concen: 26.223 ng
RT: 12.833 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF134071.D
Acq: 01 Jul 2023 02:02

Tgt Ion:202 Resp: 448081
Ion Ratio Lower Upper
202 100
200 19.6 16.1 24.1
203 17.2 14.3 21.5

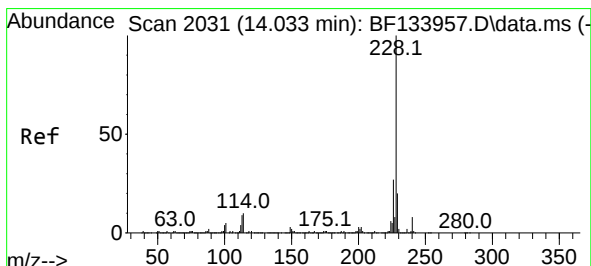
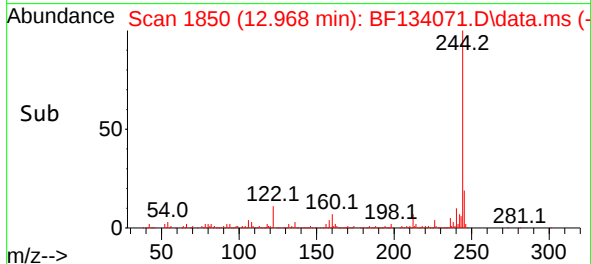
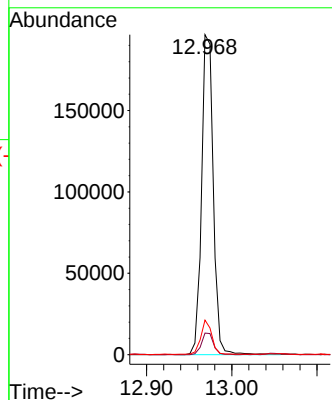
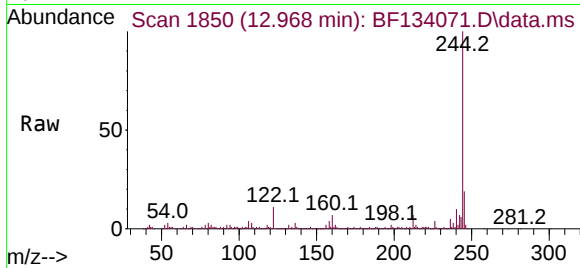




#79
 Terphenyl-d14
 Concen: 16.471 ng
 RT: 12.968 min Scan# 1850
 Delta R.T. -0.018 min
 Lab File: BF134071.D
 Acq: 01 Jul 2023 02:02

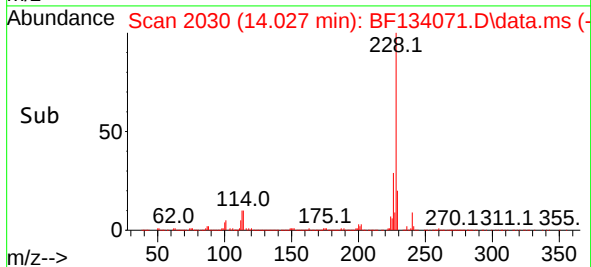
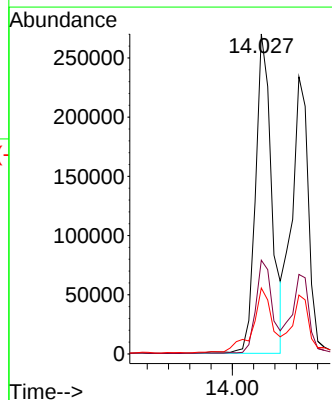
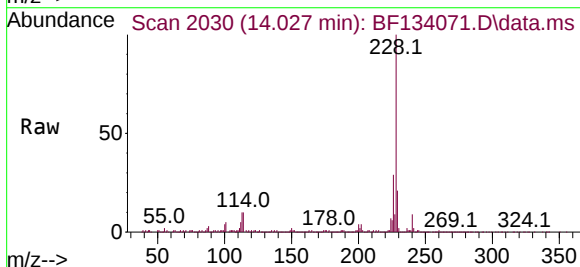
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-19-20

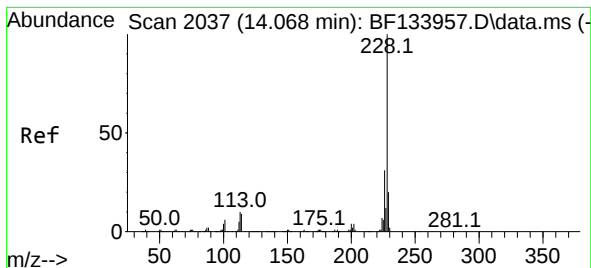
Tgt Ion:244 Resp: 187905
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.0 9.0
 122 10.8 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 22.307 ng
 RT: 14.027 min Scan# 2030
 Delta R.T. -0.012 min
 Lab File: BF134071.D
 Acq: 01 Jul 2023 02:02

Tgt Ion:228 Resp: 284054
 Ion Ratio Lower Upper
 228 100
 226 29.3 22.0 33.0
 229 20.6 16.3 24.5





#83

Chrysene

Concen: 20.623 ng

RT: 14.063 min Scan# 2037

Delta R.T. -0.012 min

Lab File: BF134071.D

Acq: 01 Jul 2023 02:02

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-19-20

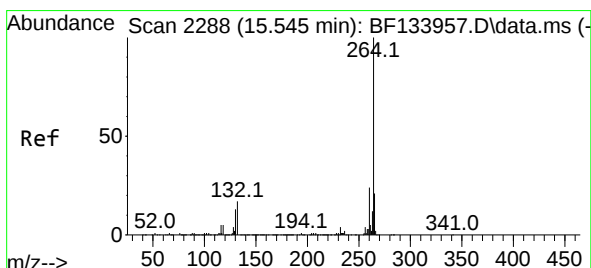
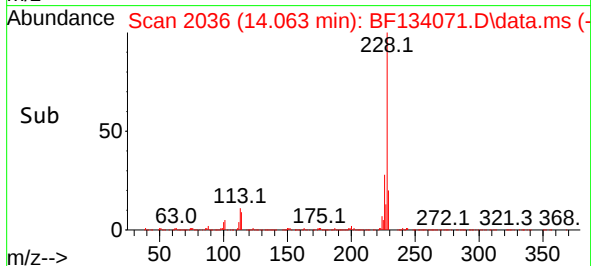
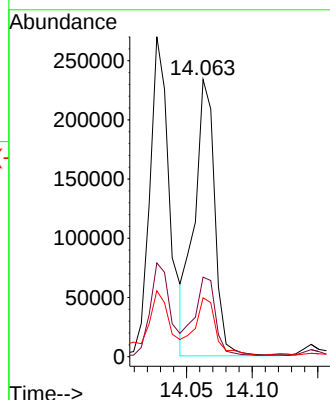
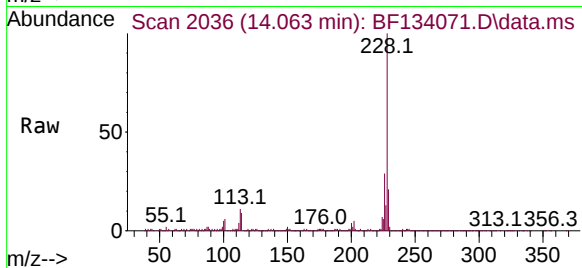
Tgt Ion:228 Resp: 254352

Ion Ratio Lower Upper

228 100

226 28.7 24.4 36.6

229 21.3 16.1 24.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2288

Delta R.T. -0.006 min

Lab File: BF134071.D

Acq: 01 Jul 2023 02:02

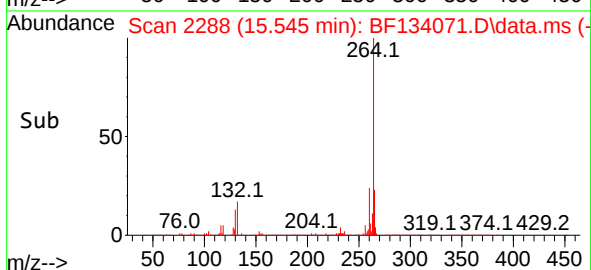
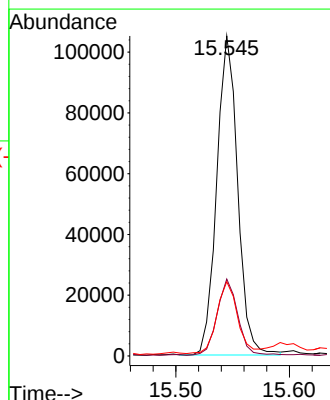
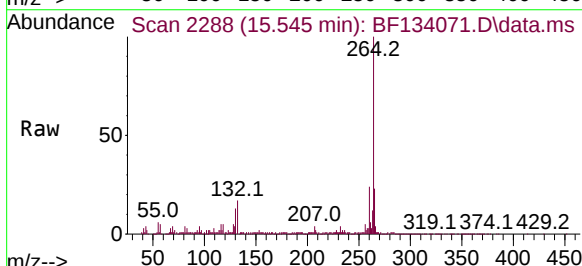
Tgt Ion:264 Resp: 134451

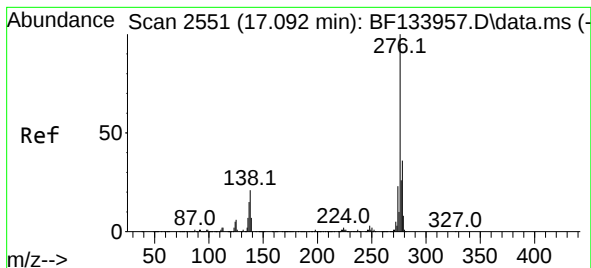
Ion Ratio Lower Upper

264 100

260 24.0 19.5 29.3

265 23.2 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.693 ng

RT: 17.086 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF134071.D

Acq: 01 Jul 2023 02:02

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-19-20

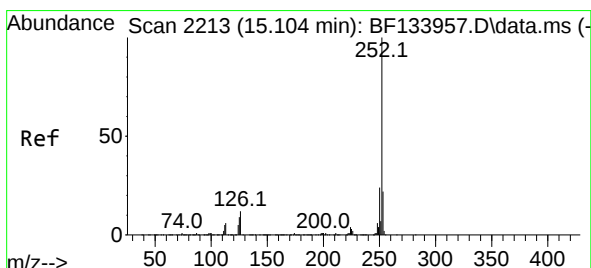
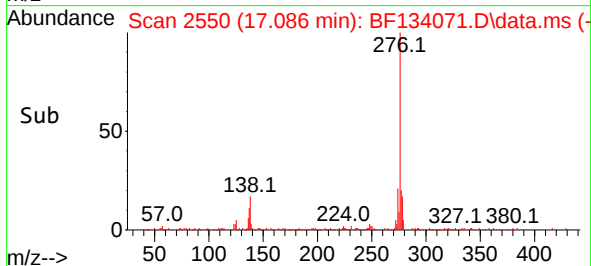
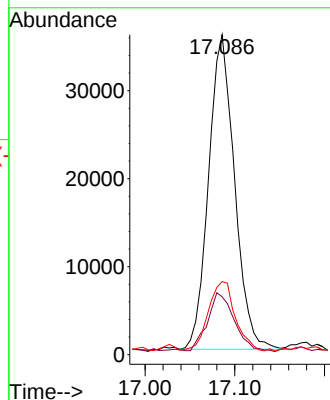
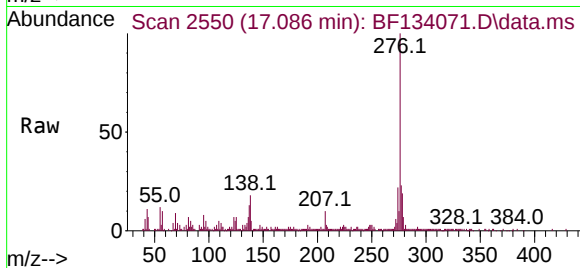
Tgt Ion:276 Resp: 71769

Ion Ratio Lower Upper

276 100

138 19.5 18.7 28.1

277 22.9 19.9 29.9



#88

Benzo(b)fluoranthene

Concen: 41.344 ng

RT: 15.104 min Scan# 2213

Delta R.T. -0.006 min

Lab File: BF134071.D

Acq: 01 Jul 2023 02:02

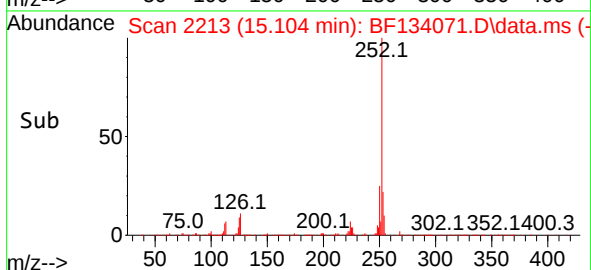
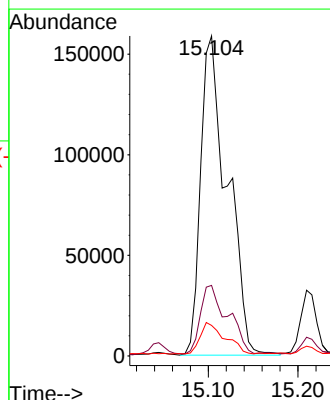
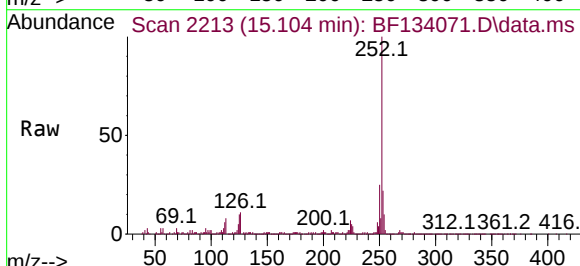
Tgt Ion:252 Resp: 326862

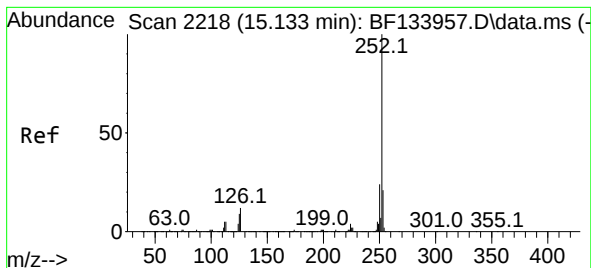
Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.0

125 9.6 7.1 10.7





#89

Benzo(k)fluoranthene

Concen: 40.607 ng

RT: 15.104 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF134071.D

Acq: 01 Jul 2023 02:02

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-19-20

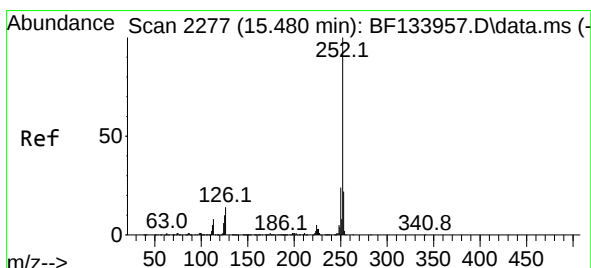
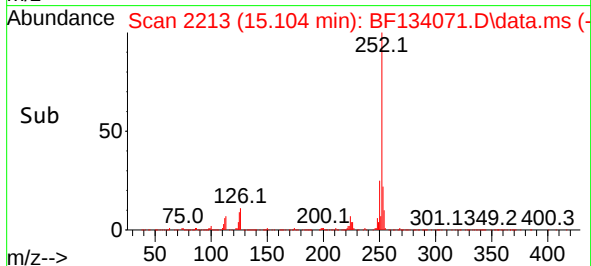
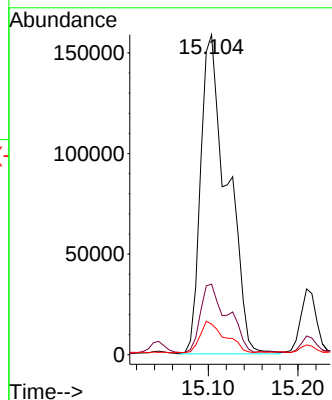
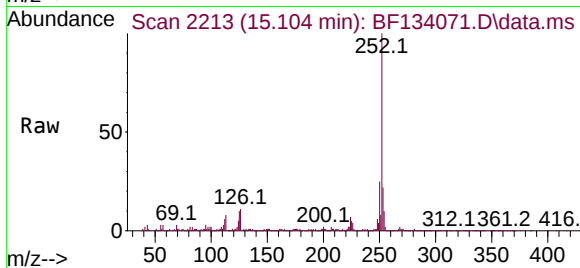
Tgt Ion:252 Resp: 326862

Ion Ratio Lower Upper

252 100

253 22.0 16.9 25.3

125 9.6 7.4 11.2



#90

Benzo(a)pyrene

Concen: 16.703 ng

RT: 15.480 min Scan# 2277

Delta R.T. -0.012 min

Lab File: BF134071.D

Acq: 01 Jul 2023 02:02

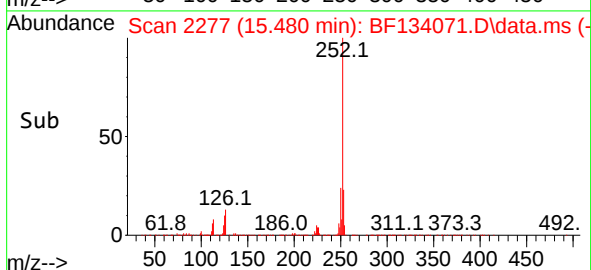
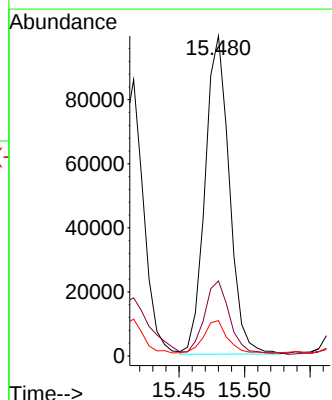
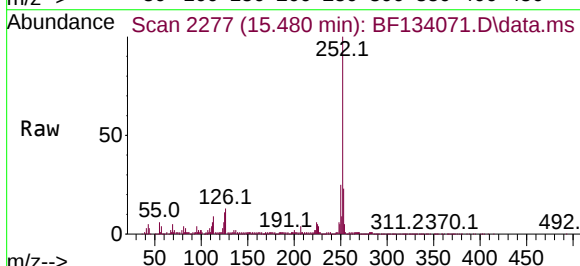
Tgt Ion:252 Resp: 127693

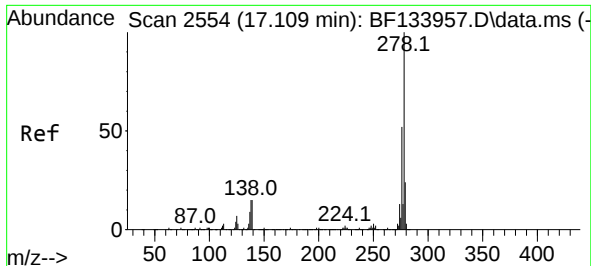
Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.0

125 11.1 8.4 12.6

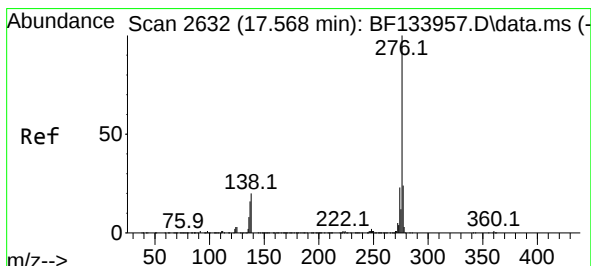
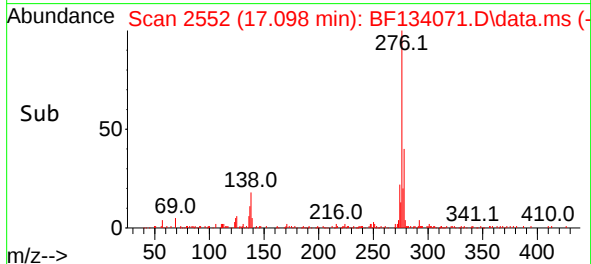
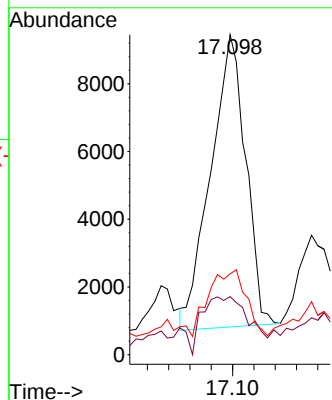
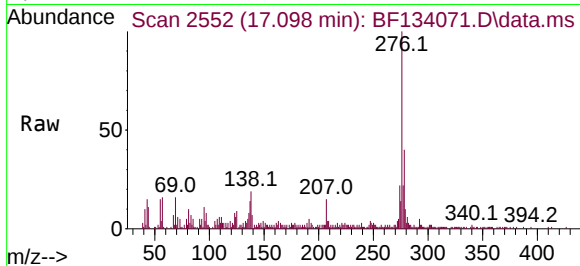




#91
Dibenzo(a,h)anthracene
Concen: 2.577 ng
RT: 17.098 min Scan# 21
Delta R.T. -0.030 min
Lab File: BF134071.D
Acq: 01 Jul 2023 02:02

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-19-20

Tgt Ion:278 Resp: 19637
Ion Ratio Lower Upper
278 100
139 18.1 12.2 18.4
279 25.3 19.4 29.2



#92
Benzo(g,h,i)perylene
Concen: 7.654 ng
RT: 17.556 min Scan# 2630
Delta R.T. -0.024 min
Lab File: BF134071.D
Acq: 01 Jul 2023 02:02

Tgt Ion:276 Resp: 60147
Ion Ratio Lower Upper
276 100
277 26.7 19.0 28.6
138 17.9 16.2 24.2

