

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042121\
 Data File : BF123677.D
 Acq On : 21 Apr 2021 20:40
 Operator : JU/CG
 Sample : M2090-18 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SEDGWICK-COMP-4

Quant Time: Apr 22 00:56:36 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 20 15:49:40 2021
 Response via : Initial Calibration

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

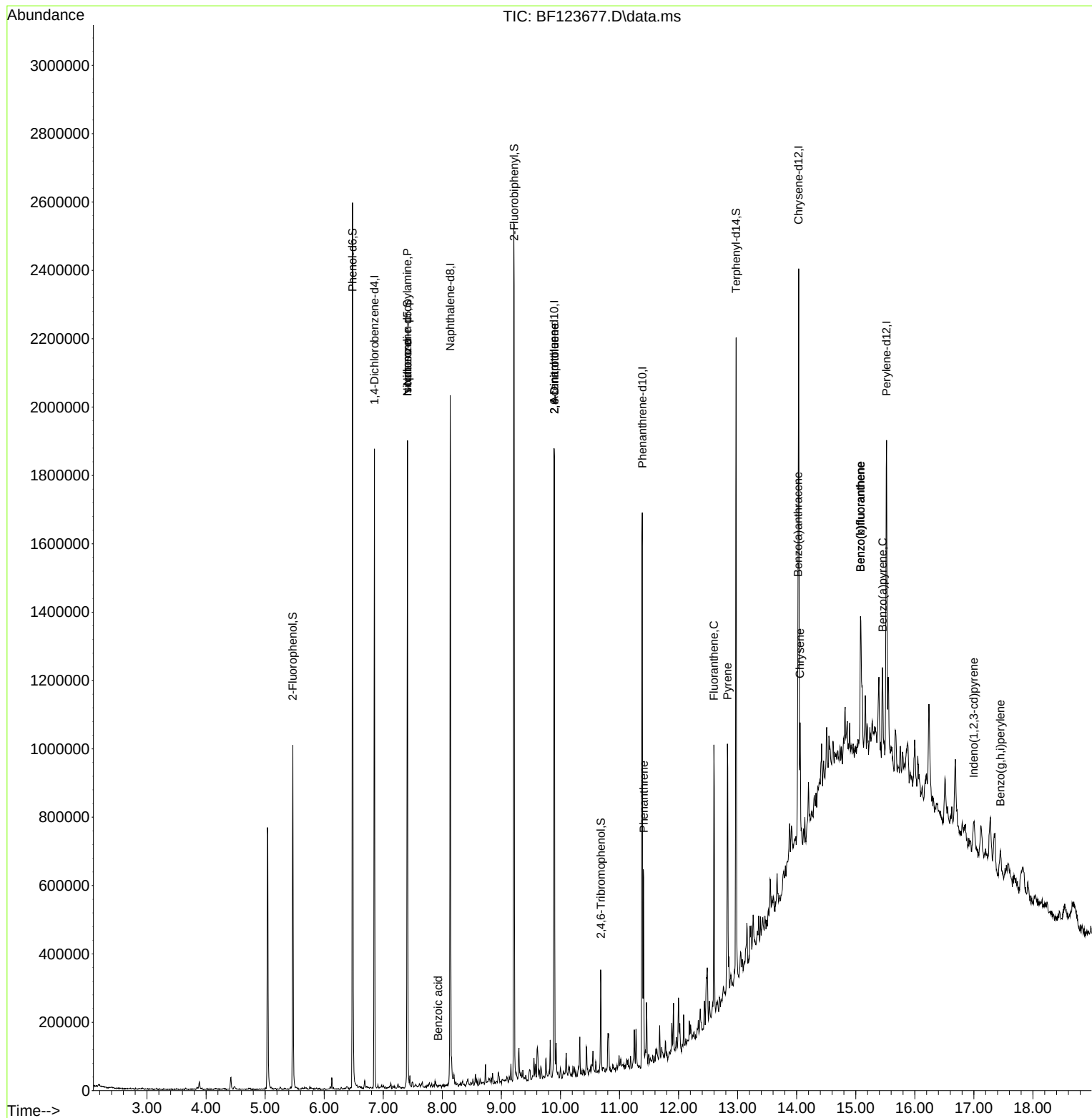
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	223937	20.00	ng	0.00
21) Naphthalene-d8	8.133	136	816609	20.00	ng	# 0.00
39) Acenaphthene-d10	9.892	164	370604	20.00	ng	0.00
64) Phenanthrene-d10	11.386	188	593258	20.00	ng	0.00
76) Chrysene-d12	14.033	240	491499	20.00	ng	# 0.00
86) Perylene-d12	15.521	264	463426	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	231145	16.68	ng	0.00
7) Phenol-d6	6.481	99	672525	35.03	ng	-0.01
23) Nitrobenzene-d5	7.410	82	505995	28.49	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	31700	7.55	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	754740	30.36	ng	0.00
79) Terphenyl-d14	12.974	244	567120	22.43	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.410	70	68811	5.41	ng	# 72
25) Isophorone	7.410	82	503331	14.61	ng	# 69
32) Benzoic acid	7.928	122	127	4.56	ng	# 39
51) 2,6-Dinitrotoluene	9.898	165	49996	8.90	ng	# 11
57) 2,4-Dinitrotoluene	9.898	165	49996	6.66	ng	# 17
71) Phenanthrene	11.410	178	203925	6.59	ng	98
75) Fluoranthene	12.598	202	313468	9.21	ng	98
78) Pyrene	12.827	202	307789	8.58	ng	99
81) Benzo(a)anthracene	14.021	228	167541	5.56	ng	93
83) Chrysene	14.057	228	146283	4.84	ng	96
87) Indeno(1,2,3-cd)pyrene	16.997	276	69005	2.79	ng	95
88) Benzo(b)fluoranthene	15.080	252	264679	8.09	ng	# 90
89) Benzo(k)fluoranthene	15.080	252	264679	7.72	ng	# 90
90) Benzo(a)pyrene	15.456	252	136711	5.25	ng	# 93
92) Benzo(g,h,i)perylene	17.450	276	70599	3.65	ng	# 86

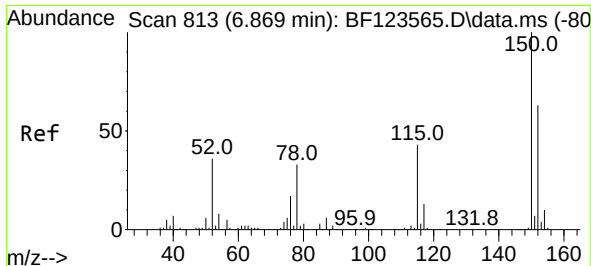
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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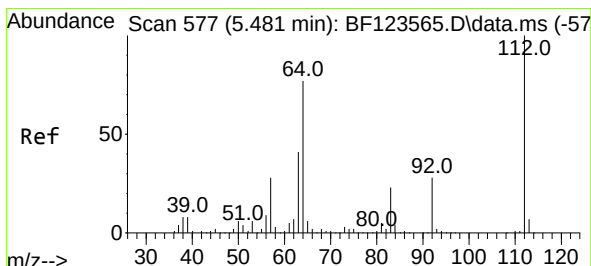
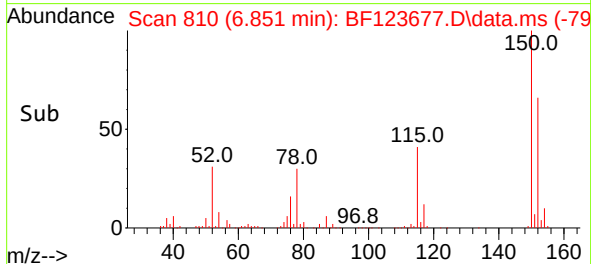
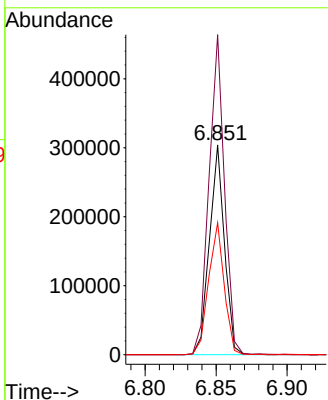
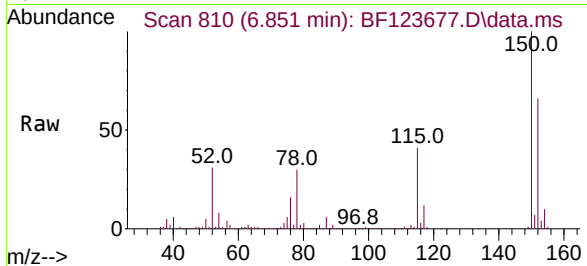




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF123677.D
Acq: 21 Apr 2021 20:40

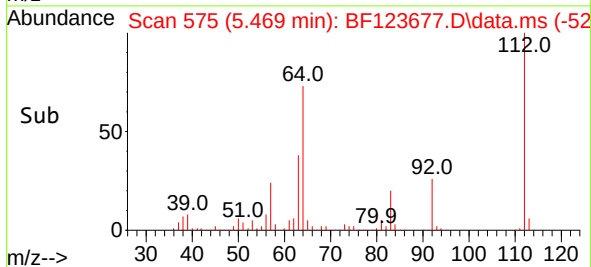
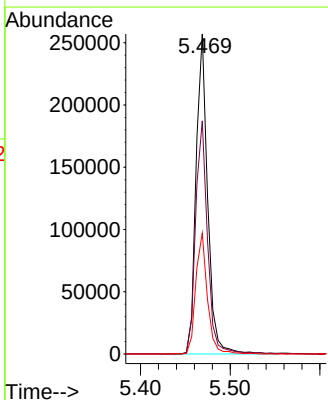
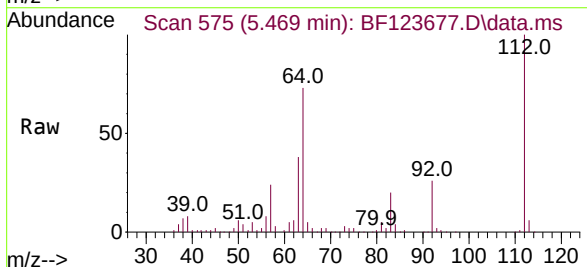
Instrument :
BNA_F
ClientSampleId :
SEDGWICK-COMP-4

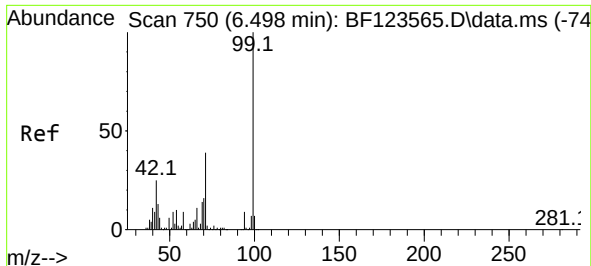
Tgt Ion:152 Resp: 223937
Ion Ratio Lower Upper
152 100
150 152.5 127.0 190.6
115 62.9 54.3 81.5



#5
2-Fluorophenol
Concen: 16.68 ng
RT: 5.469 min Scan# 575
Delta R.T. -0.000 min
Lab File: BF123677.D
Acq: 21 Apr 2021 20:40

Tgt Ion:112 Resp: 231145
Ion Ratio Lower Upper
112 100
64 72.8 61.4 92.0
63 37.8 33.0 49.4

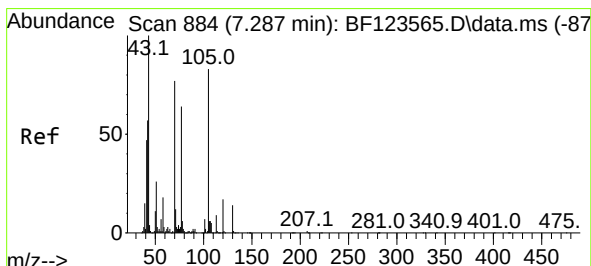
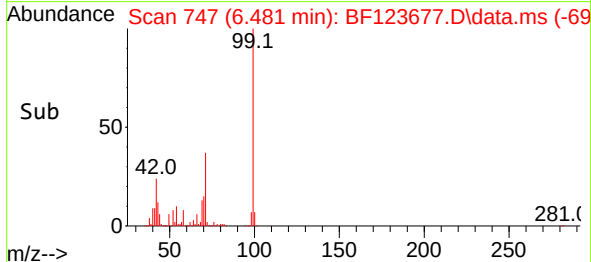
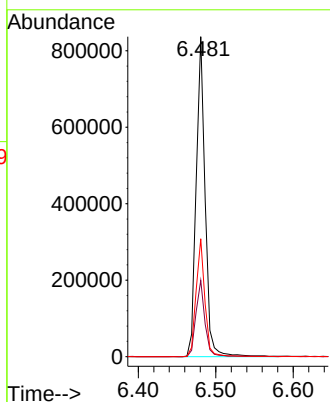
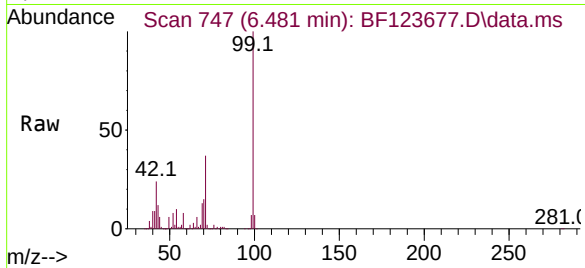




#7
Phenol-d6
Concen: 35.03 ng
RT: 6.481 min Scan# 747
Delta R.T. -0.012 min
Lab File: BF123677.D
Acq: 21 Apr 2021 20:40

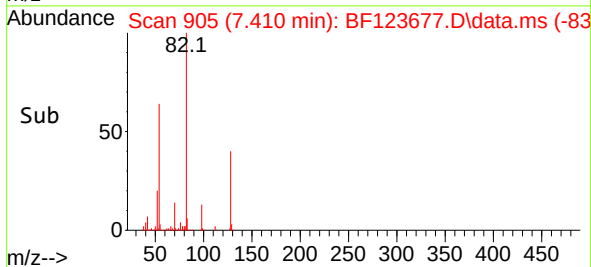
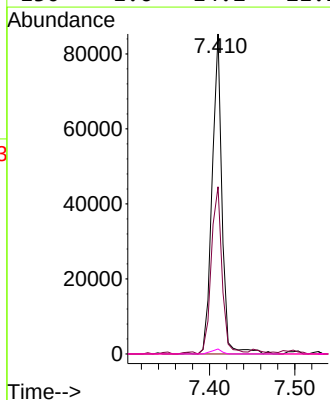
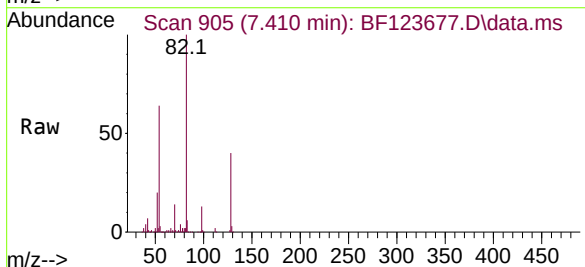
Instrument :
BNA_F
ClientSampleId :
SEDGWICK-COMP-4

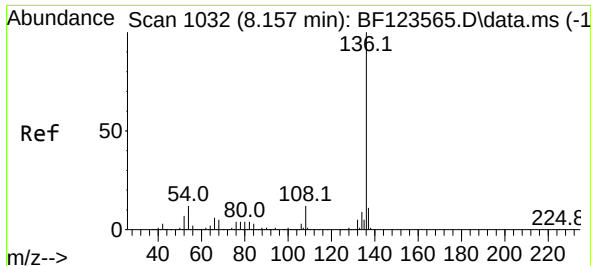
Tgt Ion: 99 Resp: 672525
Ion Ratio Lower Upper
99 100
42 23.9 19.8 29.8
71 36.9 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 5.41 ng
RT: 7.410 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF123677.D
Acq: 21 Apr 2021 20:40

Tgt Ion: 70 Resp: 68811
Ion Ratio Lower Upper
70 100
42 52.3 60.1 90.1#
101 0.0 7.4 11.2#
130 1.6 14.2 21.2#

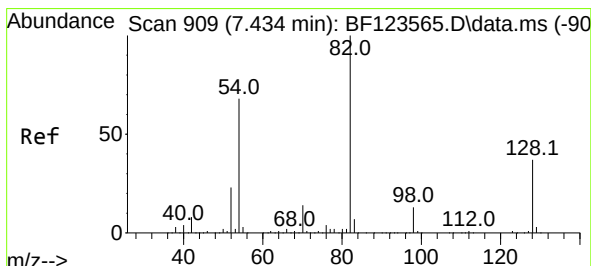
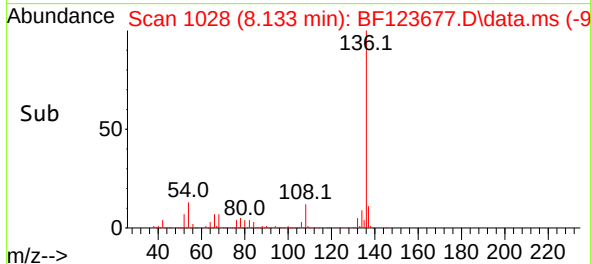
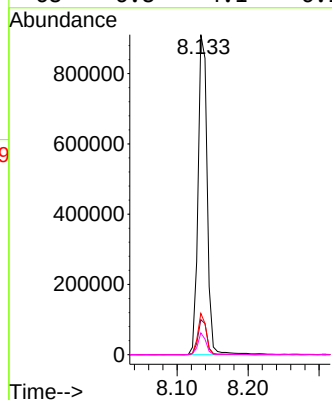
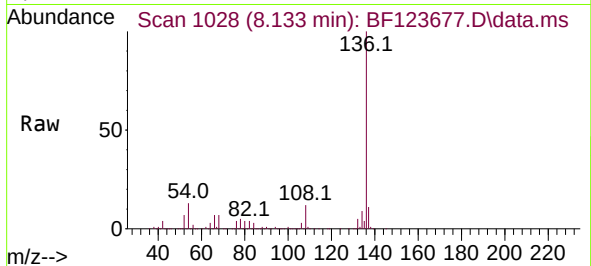




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.133 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF123677.D
Acq: 21 Apr 2021 20:40

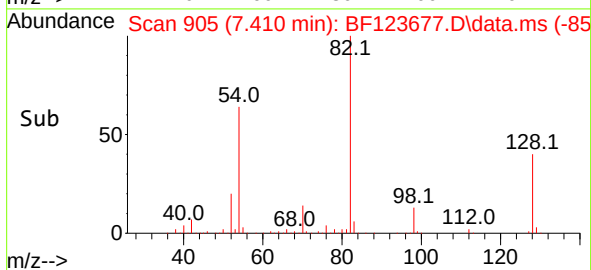
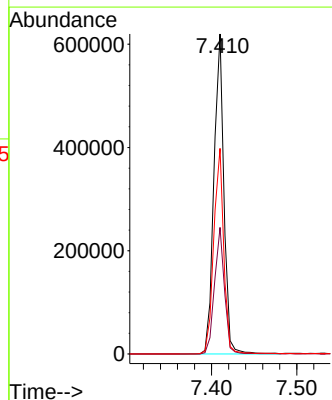
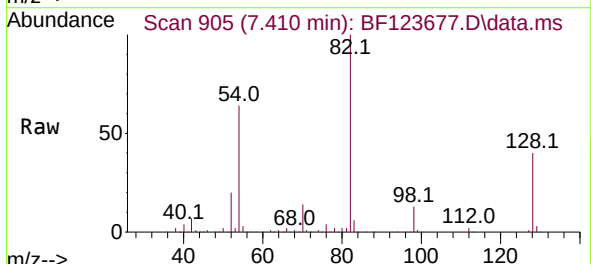
Instrument :
BNA_F
ClientSampleId :
SEDGWICK-COMP-4

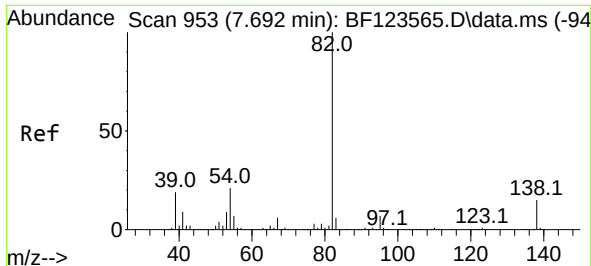
Tgt Ion:	136	Resp:	816609
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.7	13.1
54	12.9	9.8	14.6
68	6.8	4.1	6.1



#23
Nitrobenzene-d5
Concen: 28.49 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF123677.D
Acq: 21 Apr 2021 20:40

Tgt Ion:	82	Resp:	505995
Ion Ratio	Lower	Upper	
82	100		
128	39.6	29.4	44.2
54	64.2	54.1	81.1

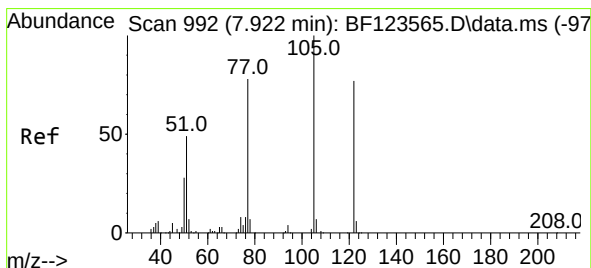
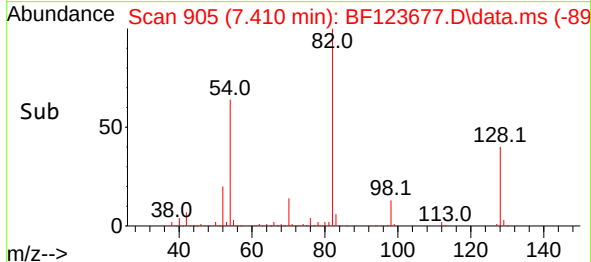
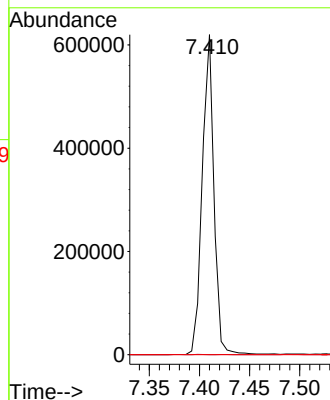
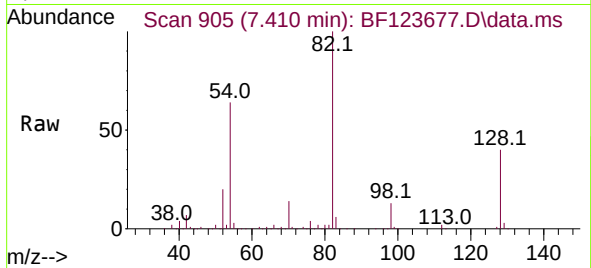




#25
Isophorone
Concen: 14.61 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.265 min
Lab File: BF123677.D
Acq: 21 Apr 2021 20:40

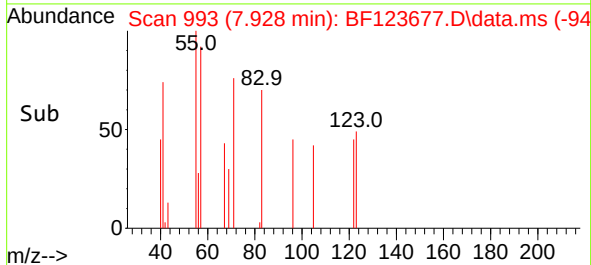
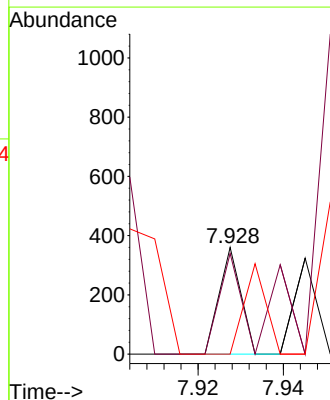
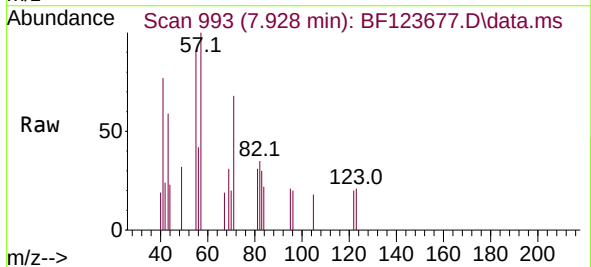
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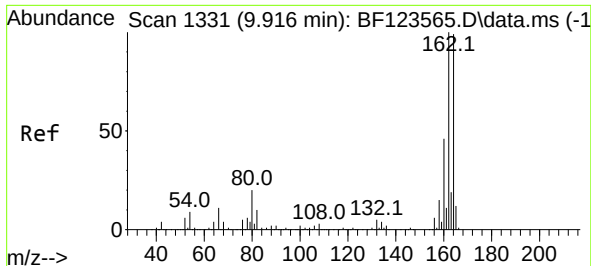
Tgt Ion: 82 Resp: 503331
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#32
Benzoic acid
Concen: 4.56 ng
RT: 7.928 min Scan# 993
Delta R.T. 0.012 min
Lab File: BF123677.D
Acq: 21 Apr 2021 20:40

Tgt Ion: 122 Resp: 127
Ion Ratio Lower Upper
122 100
105 94.4 107.8 147.8#
77 0.0 81.6 121.6#





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.892 min Scan# 1327

Delta R.T. -0.006 min

Lab File: BF123677.D

Acq: 21 Apr 2021 20:40

Tgt Ion:164 Resp: 370604

Ion Ratio Lower Upper

164 100

162 99.0 80.7 121.1

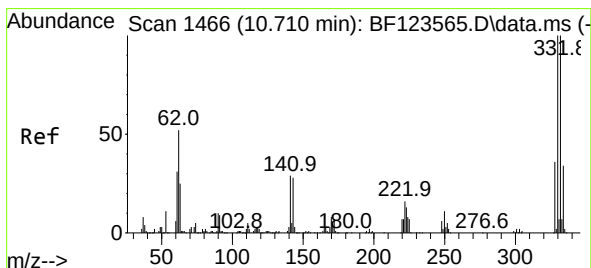
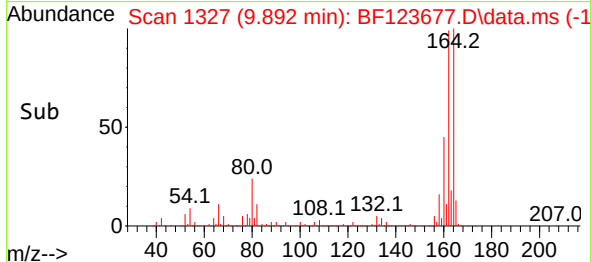
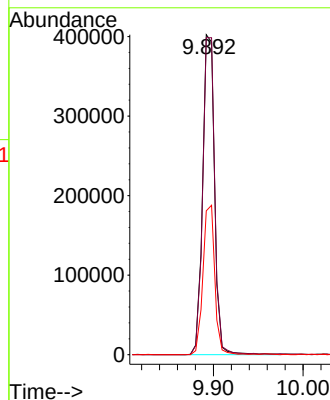
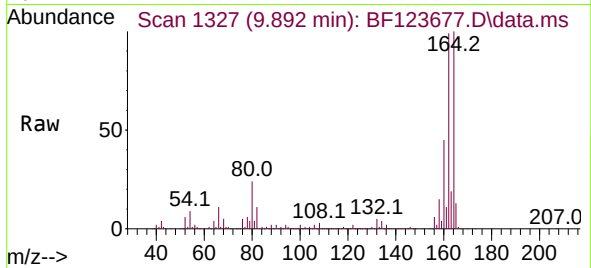
160 44.9 37.3 55.9

Instrument :

BNA_F

ClientSampleId :

SEDGWICK-COMP-4



#42

2,4,6-Tribromophenol

Concen: 7.55 ng

RT: 10.686 min Scan# 1462

Delta R.T. -0.000 min

Lab File: BF123677.D

Acq: 21 Apr 2021 20:40

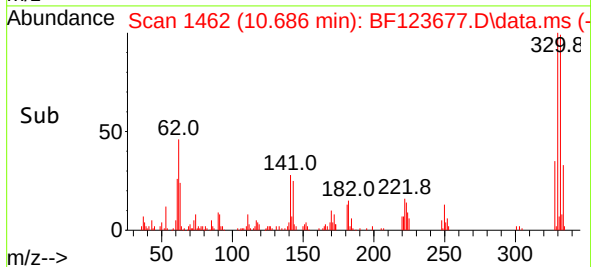
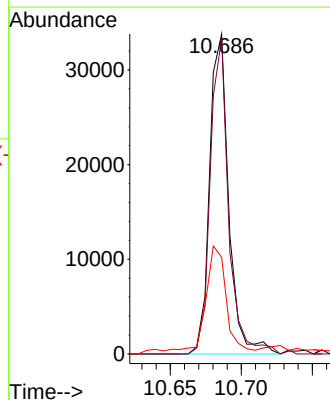
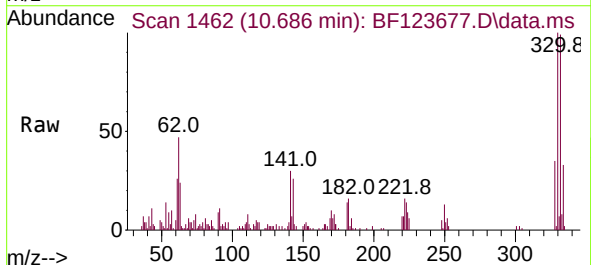
Tgt Ion:330 Resp: 31700

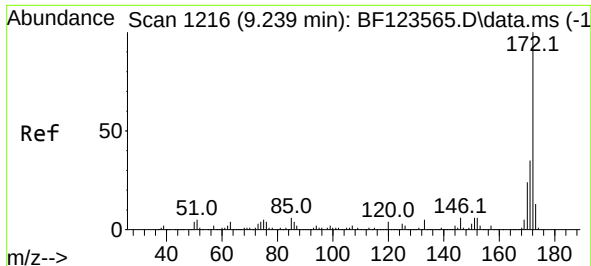
Ion Ratio Lower Upper

330 100

332 94.7 77.1 115.7

141 36.5 27.9 41.9

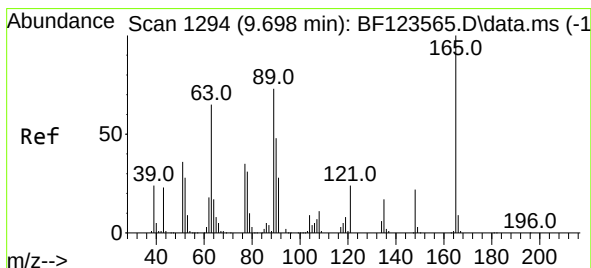
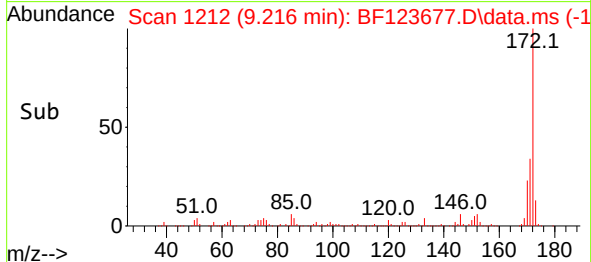
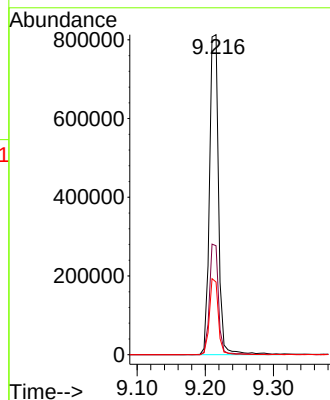
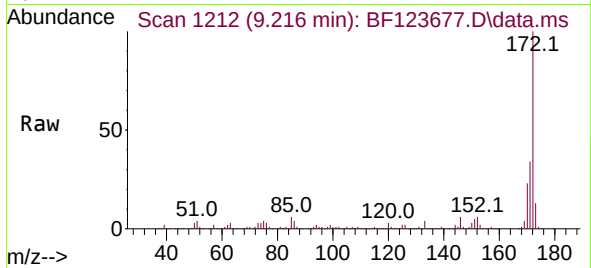




#45
2-Fluorobiphenyl
Concen: 30.36 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.000 min
Lab File: BF123677.D
Acq: 21 Apr 2021 20:40

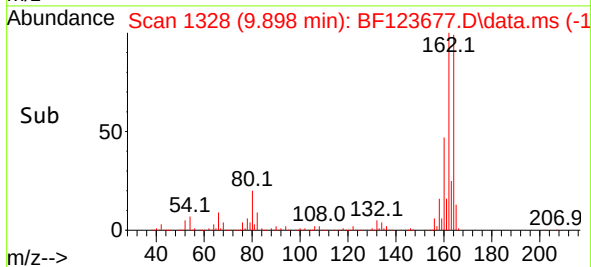
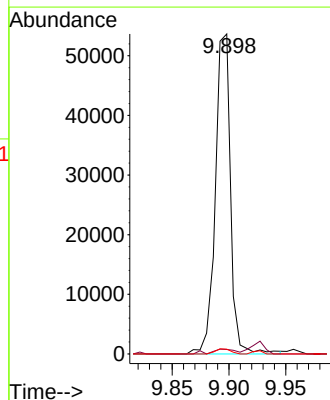
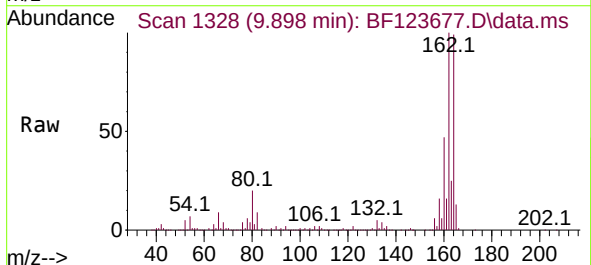
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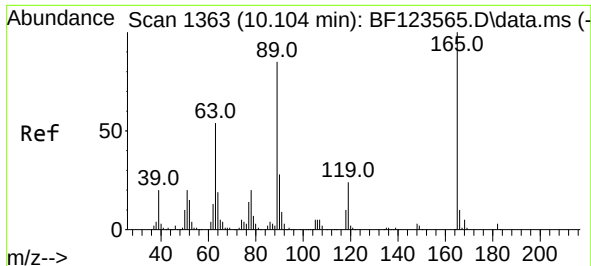
Tgt Ion:172 Resp: 754740
Ion Ratio Lower Upper
172 100
171 34.1 28.1 42.1
170 22.7 19.2 28.8



#51
2,6-Dinitrotoluene
Concen: 8.90 ng
RT: 9.898 min Scan# 1328
Delta R.T. 0.217 min
Lab File: BF123677.D
Acq: 21 Apr 2021 20:40

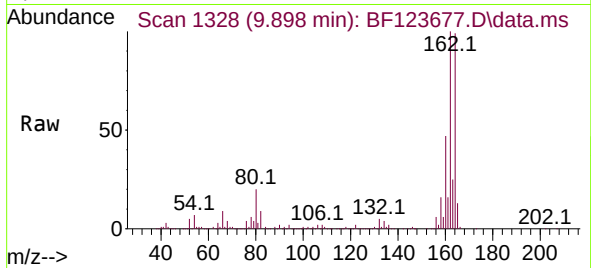
Tgt Ion:165 Resp: 49996
Ion Ratio Lower Upper
165 100
63 1.4 67.7 101.5#
89 1.5 58.8 88.2#



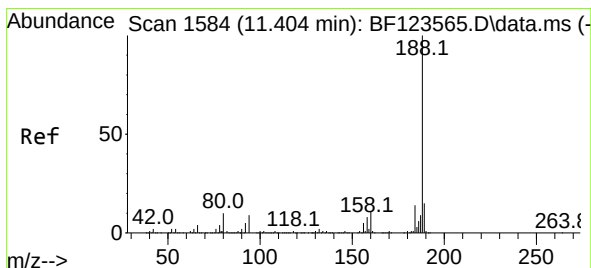
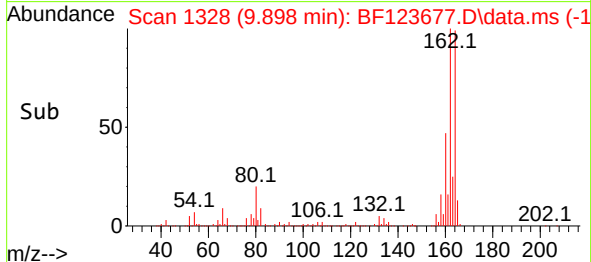
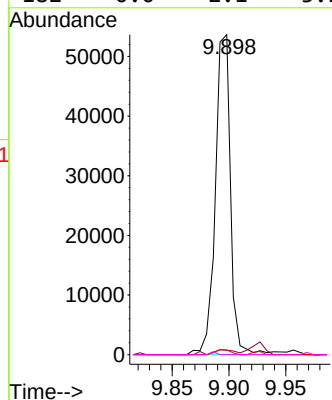


#57
2,4-Dinitrotoluene
Concen: 6.66 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.183 min
Lab File: BF123677.D
Acq: 21 Apr 2021 20:40

Instrument :
BNA_F
ClientSampleId :
SEDGWICK-COMP-4

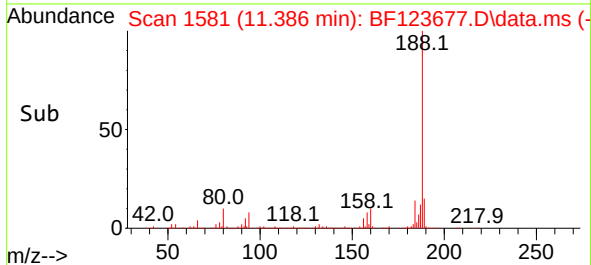
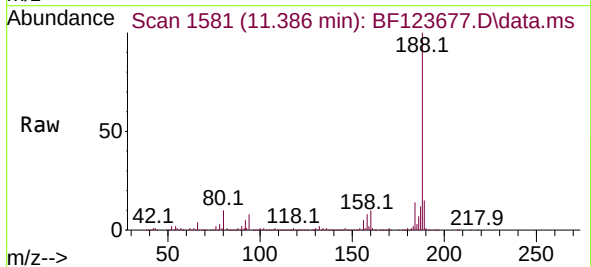
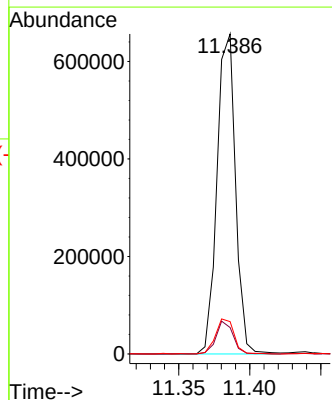


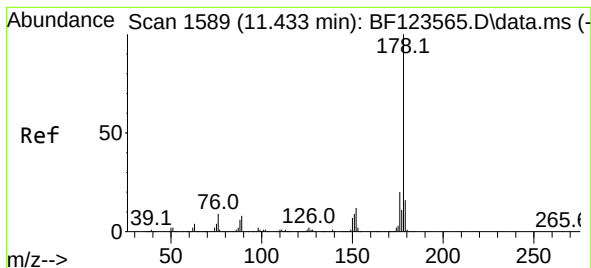
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	43.5	65.3#
89	1.5	67.7	101.5#
182	0.0	2.1	3.1#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.000 min
Lab File: BF123677.D
Acq: 21 Apr 2021 20:40

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.2	6.9	10.3
80	10.1	8.2	12.2

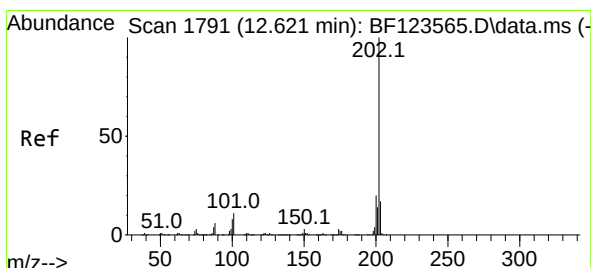
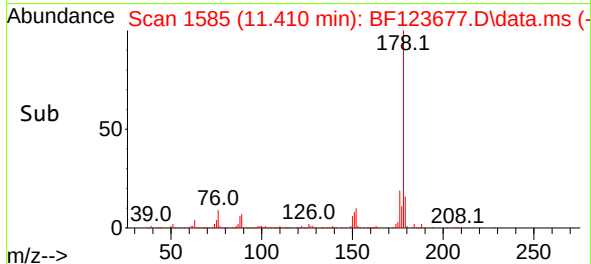
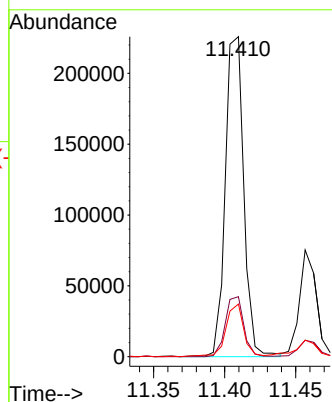
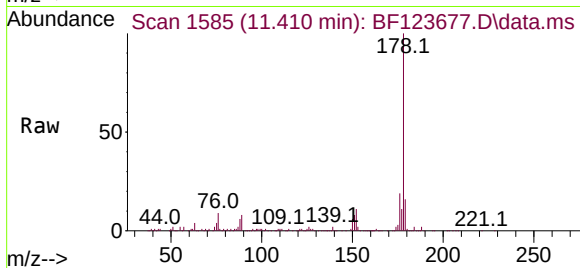




#71
Phenanthrene
Concen: 6.59 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.000 min
Lab File: BF123677.D
Acq: 21 Apr 2021 20:40

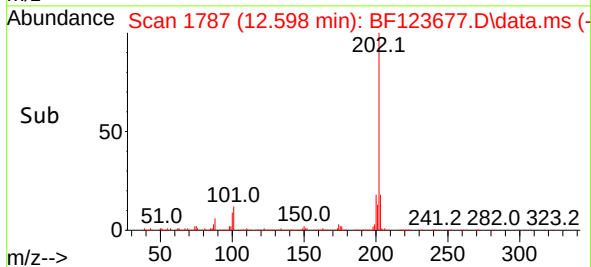
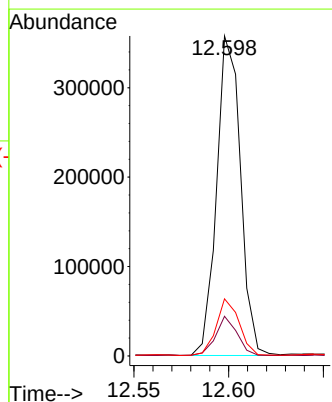
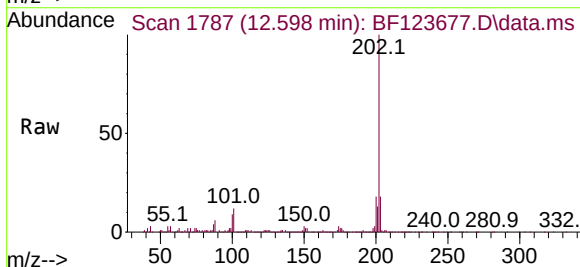
Instrument :
BNA_F
ClientSampleId :
SEDGWICK-COMP-4

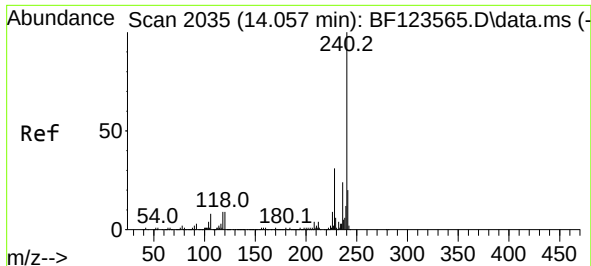
Tgt Ion:178 Resp: 203925
Ion Ratio Lower Upper
178 100
176 18.7 15.6 23.4
179 16.5 12.5 18.7



#75
Fluoranthene
Concen: 9.21 ng
RT: 12.598 min Scan# 1787
Delta R.T. -0.006 min
Lab File: BF123677.D
Acq: 21 Apr 2021 20:40

Tgt Ion:202 Resp: 313468
Ion Ratio Lower Upper
202 100
101 12.4 0.0 30.9
203 17.9 0.0 37.5

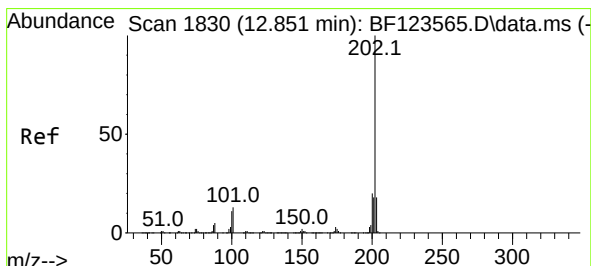
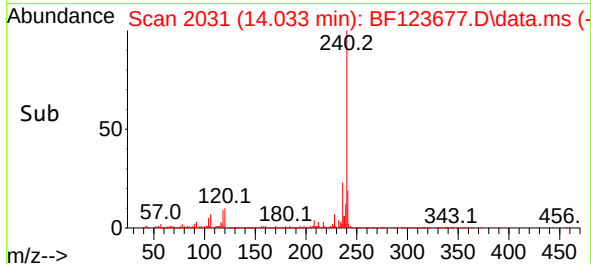
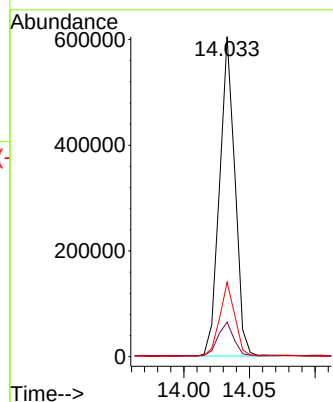
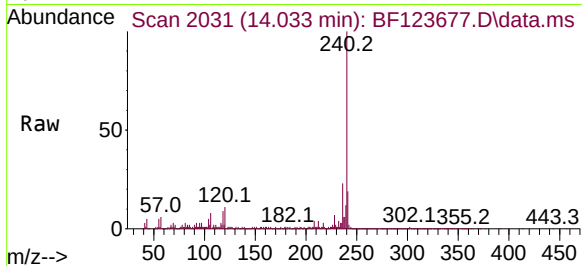




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.000 min
Lab File: BF123677.D
Acq: 21 Apr 2021 20:40

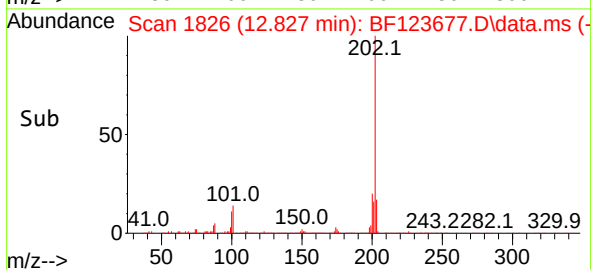
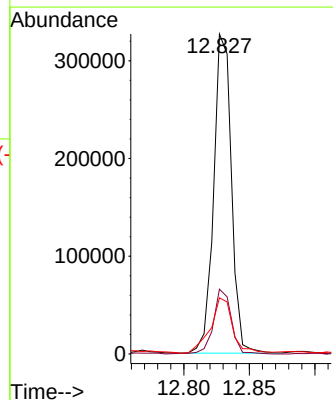
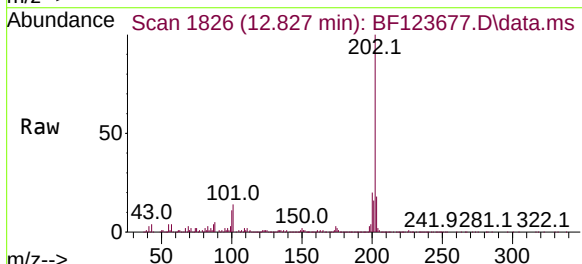
Instrument :
BNA_F
ClientSampleId :
SEDGWICK-COMP-4

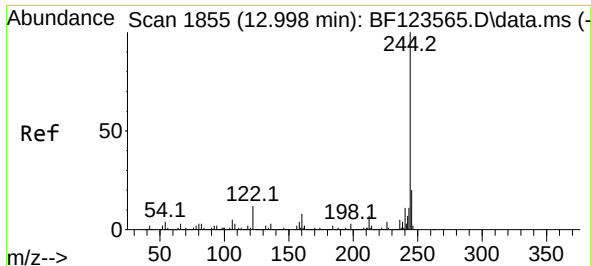
Tgt Ion:240 Resp: 491499
Ion Ratio Lower Upper
240 100
120 10.8 7.2 10.8#
236 23.3 19.0 28.4



#78
Pyrene
Concen: 8.58 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF123677.D
Acq: 21 Apr 2021 20:40

Tgt Ion:202 Resp: 307789
Ion Ratio Lower Upper
202 100
200 20.3 16.1 24.1
203 17.5 14.8 22.2

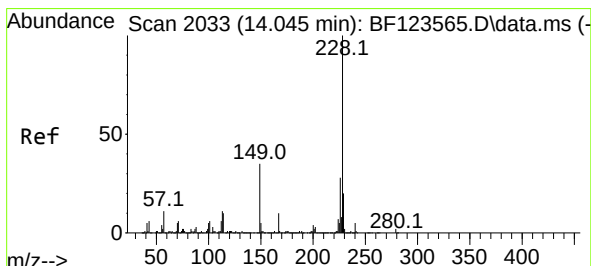
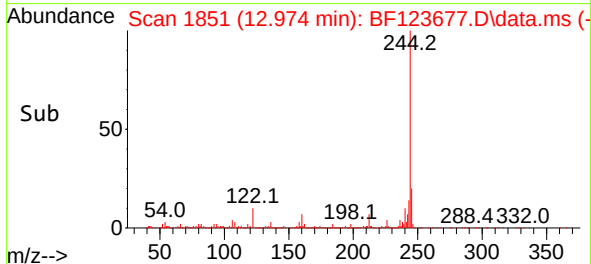
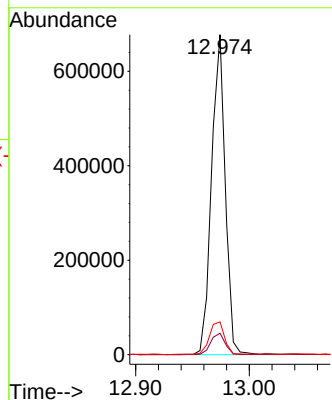
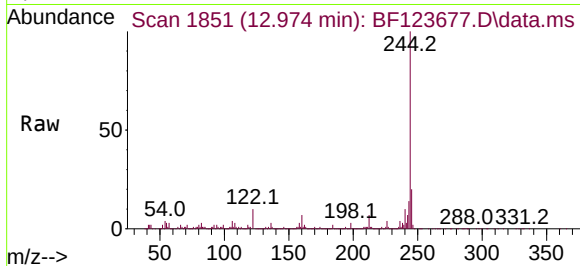




#79
Terphenyl-d14
Concen: 22.43 ng
RT: 12.974 min Scan# 1851
Delta R.T. -0.000 min
Lab File: BF123677.D
Acq: 21 Apr 2021 20:40

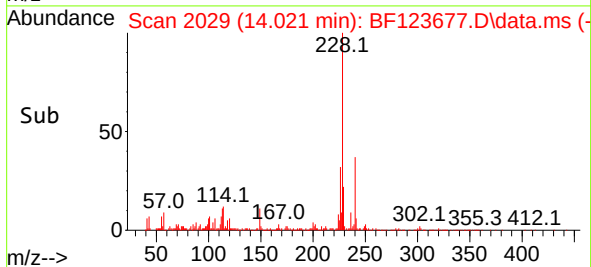
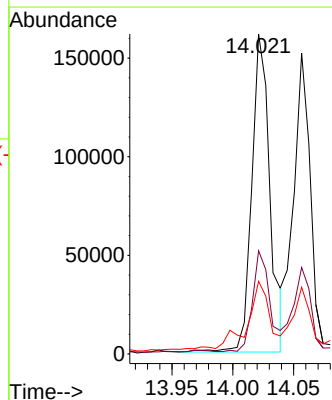
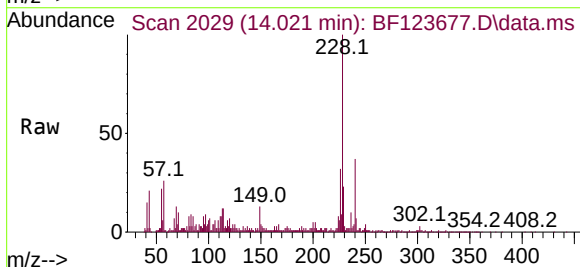
Instrument :
BNA_F
ClientSampleId :
SEDGWICK-COMP-4

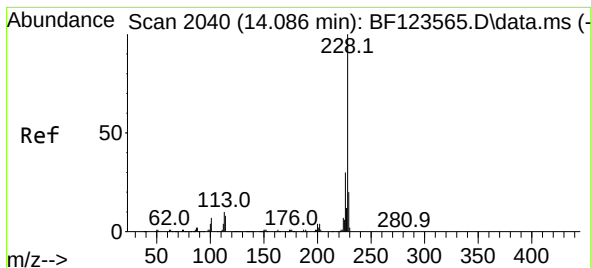
Tgt Ion:244 Resp: 567120
Ion Ratio Lower Upper
244 100
212 6.7 5.7 8.5
122 10.2 9.7 14.5



#81
Benzo(a)anthracene
Concen: 5.56 ng
RT: 14.021 min Scan# 2029
Delta R.T. -0.000 min
Lab File: BF123677.D
Acq: 21 Apr 2021 20:40

Tgt Ion:228 Resp: 167541
Ion Ratio Lower Upper
228 100
226 32.2 22.4 33.6
229 22.7 16.0 24.0





#83

Chrysene

Concen: 4.84 ng

RT: 14.057 min Scan# 2035

Delta R.T. -0.006 min

Lab File: BF123677.D

Acq: 21 Apr 2021 20:40

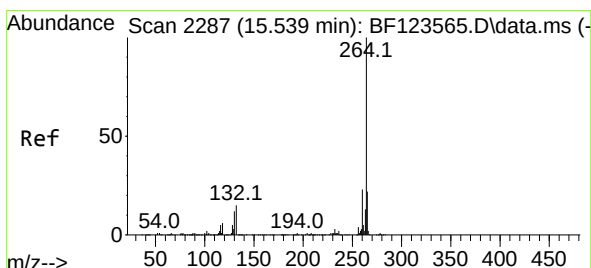
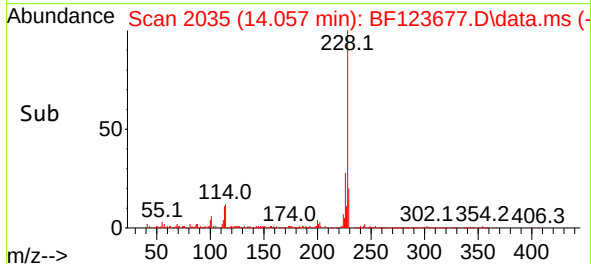
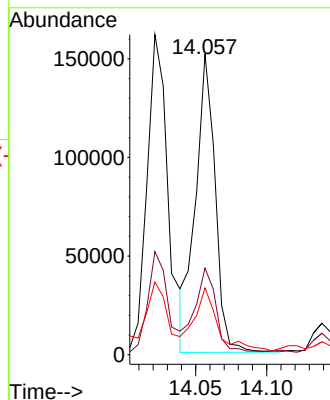
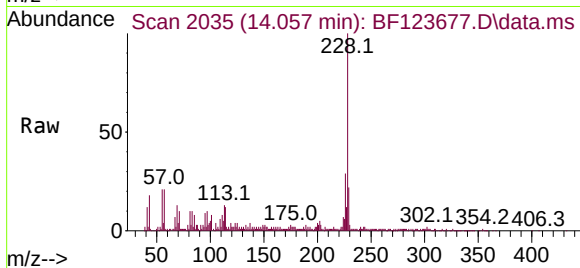
Instrument :

BNA_F

ClientSampleId :

SEDGWICK-COMP-4

Tgt Ion:228	Resp: 146283
Ion Ratio	Lower Upper
228	100
226	28.8 24.3 36.5
229	22.2 16.2 24.2



#86

Perylene-d12

Concen: 20.00 ng

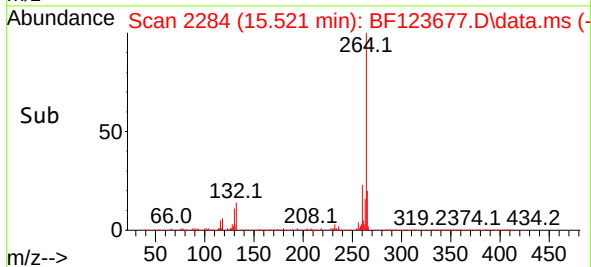
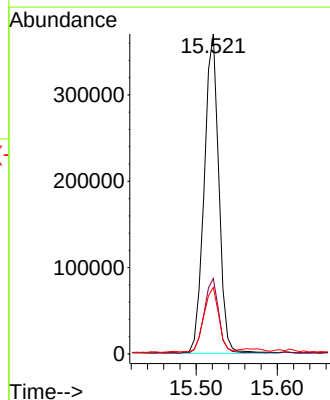
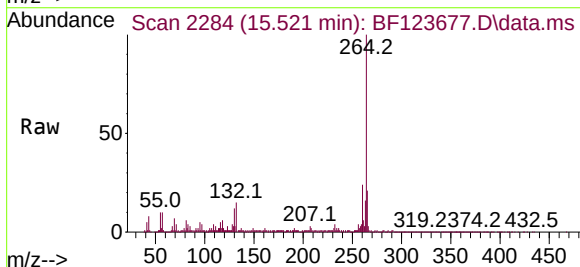
RT: 15.521 min Scan# 2284

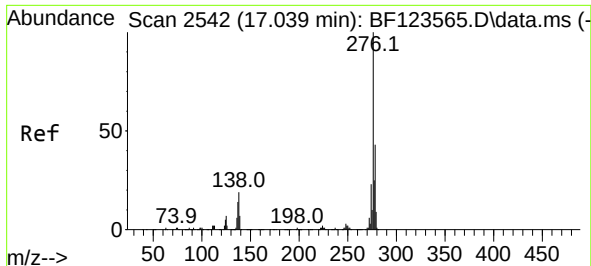
Delta R.T. 0.017 min

Lab File: BF123677.D

Acq: 21 Apr 2021 20:40

Tgt Ion:264	Resp: 463426
Ion Ratio	Lower Upper
264	100
260	23.6 18.7 28.1
265	20.8 17.8 26.8

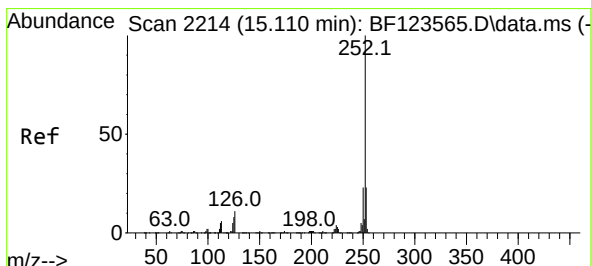
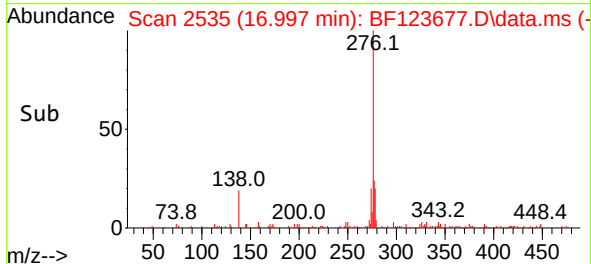
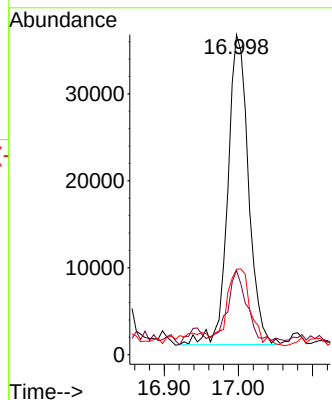
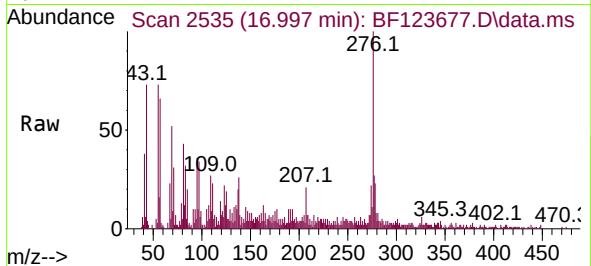




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.79 ng
 RT: 16.997 min Scan# 2535
 Delta R.T. 0.012 min
 Lab File: BF123677.D
 Acq: 21 Apr 2021 20:40

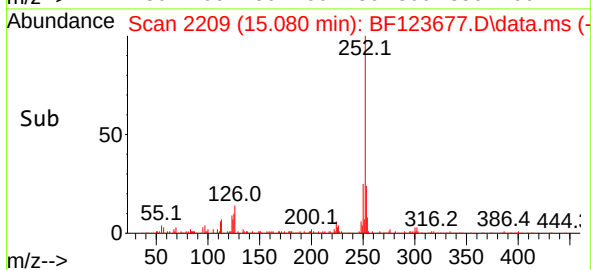
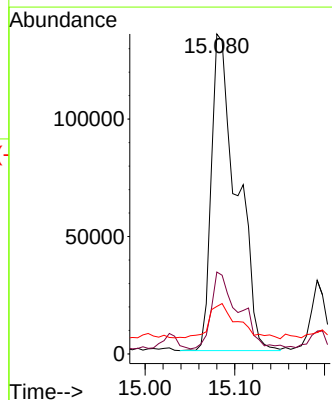
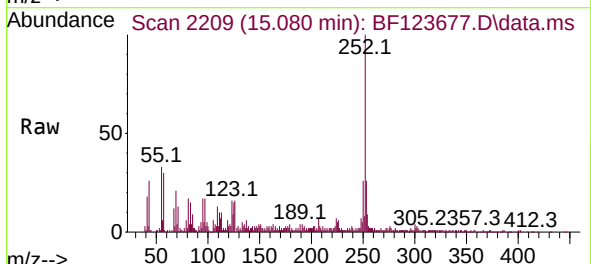
Instrument :
 BNA_F
 ClientSampleId :
 SEDGWICK-COMP-4

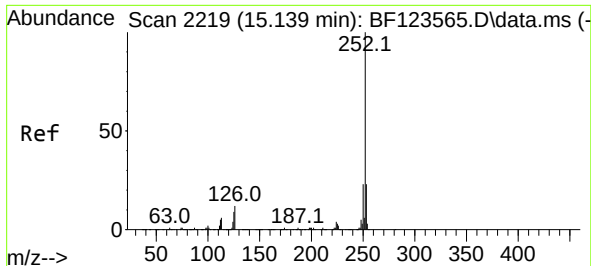
Tgt Ion:276 Resp: 69005
 Ion Ratio Lower Upper
 276 100
 138 21.2 16.2 24.2
 277 28.7 20.1 30.1



#88
 Benzo(b)fluoranthene
 Concen: 8.09 ng
 RT: 15.080 min Scan# 2209
 Delta R.T. 0.006 min
 Lab File: BF123677.D
 Acq: 21 Apr 2021 20:40

Tgt Ion:252 Resp: 264679
 Ion Ratio Lower Upper
 252 100
 253 25.6 18.1 27.1
 125 14.9 6.2 9.4#





#89

Benzo(k)fluoranthene

Concen: 7.72 ng

RT: 15.080 min Scan# 2209

Delta R.T. -0.030 min

Lab File: BF123677.D

Acq: 21 Apr 2021 20:40

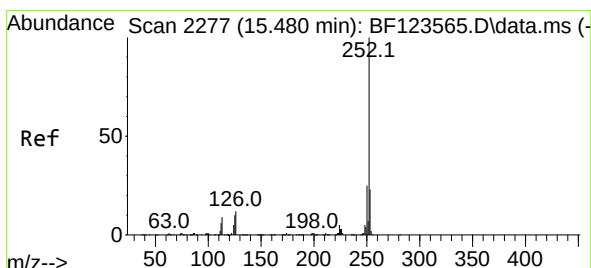
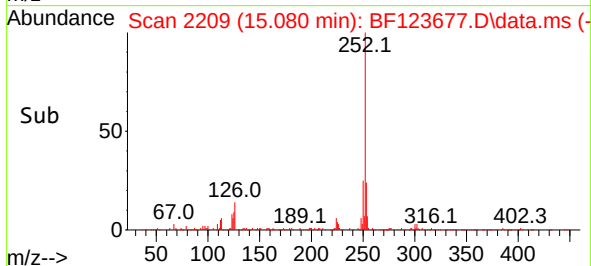
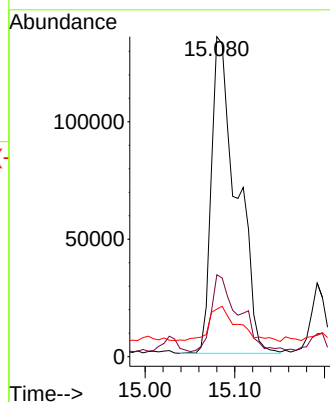
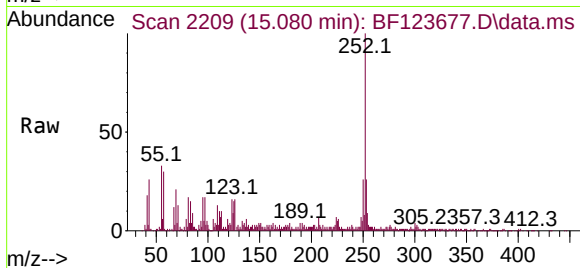
Tgt Ion:	252	Resp:	264679
Ion Ratio	Lower	Upper	
252	100		
253	25.6	17.9	26.9
125	14.9	7.0	10.6#

Instrument :

BNA_F

ClientSampleId :

SEDGWICK-COMP-4



#90

Benzo(a)pyrene

Concen: 5.25 ng

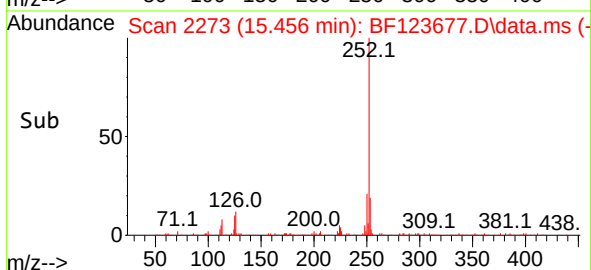
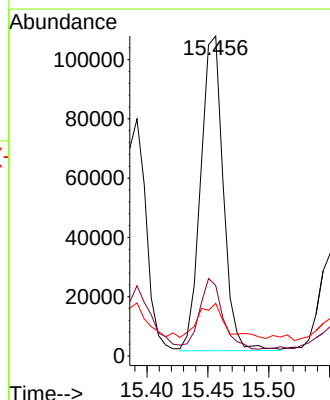
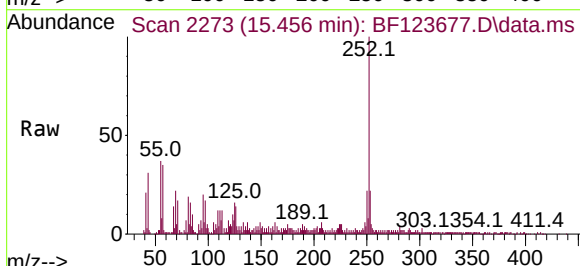
RT: 15.456 min Scan# 2273

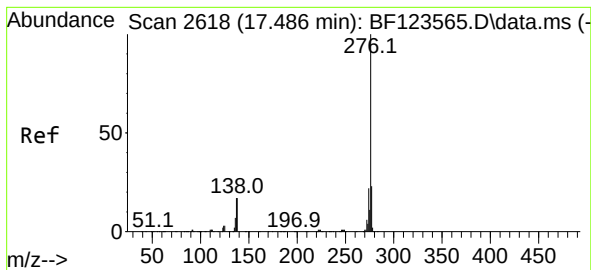
Delta R.T. 0.012 min

Lab File: BF123677.D

Acq: 21 Apr 2021 20:40

Tgt Ion:	252	Resp:	136711
Ion Ratio	Lower	Upper	
252	100		
253	22.0	18.4	27.6
125	16.5	8.0	12.0#





#92
Benzo(g,h,i)perylene
Concen: 3.65 ng
RT: 17.450 min Scan# 2612
Delta R.T. 0.012 min
Lab File: BF123677.D
Acq: 21 Apr 2021 20:40

Instrument :
BNA_F
ClientSampleId :
SEDGWICK-COMP-4

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.3	18.2	27.2
138	27.7	13.8	20.6

