

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042121\
 Data File : BF123676.D
 Acq On : 21 Apr 2021 20:06
 Operator : JU/CG
 Sample : M2090-03 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SEDGWICK-COMP-1

Quant Time: Apr 22 00:56:24 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)

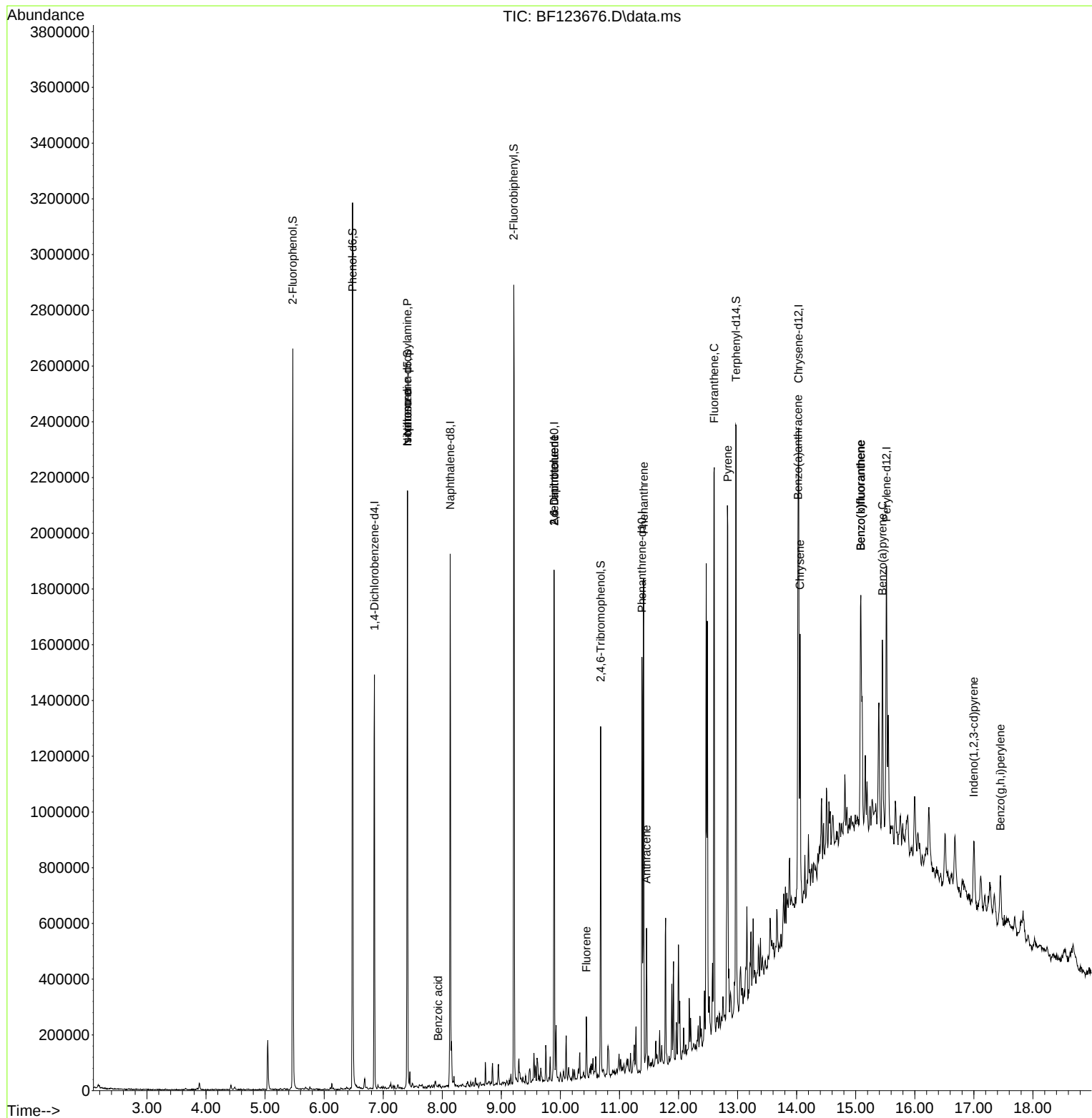
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	192335	20.00	ng	0.00
21) Naphthalene-d8	8.134	136	727425	20.00	ng	# 0.00
39) Acenaphthene-d10	9.892	164	326824	20.00	ng	0.00
64) Phenanthrene-d10	11.380	188	544172	20.00	ng	# 0.00
76) Chrysene-d12	14.033	240	455490	20.00	ng	0.00
86) Perylene-d12	15.521	264	467193	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	606201	50.94	ng	0.00
7) Phenol-d6	6.481	99	809104	49.07	ng	-0.01
23) Nitrobenzene-d5	7.410	82	559554	35.36	ng	0.00
42) 2,4,6-Tribromophenol	10.681	330	124320	33.59	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	853920	38.95	ng	0.00
79) Terphenyl-d14	12.974	244	703934	30.04	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.410	70	77717	7.11	ng	# 70
25) Isophorone	7.410	82	559295	18.22	ng	# 69
32) Benzoic acid	7.928	122	141	4.56	ng	# 38
51) 2,6-Dinitrotoluene	9.892	165	44601	9.00	ng	# 12
57) 2,4-Dinitrotoluene	9.892	165	44601	6.74	ng	# 17
58) Fluorene	10.439	166	60577	2.66	ng	95
71) Phenanthrene	11.410	178	617128	21.73	ng	99
72) Anthracene	11.457	178	174805	6.16	ng	97
75) Fluoranthene	12.604	202	857186	27.46	ng	98
78) Pyrene	12.833	202	794157	23.89	ng	98
81) Benzo(a)anthracene	14.021	228	425414	15.24	ng	97
83) Chrysene	14.057	228	368809	13.16	ng	97
87) Indeno(1,2,3-cd)pyrene	16.998	276	163094	6.54	ng	97
88) Benzo(b)fluoranthene	15.086	252	641832	19.46	ng	# 97
89) Benzo(k)fluoranthene	15.086	252	641832	20.87	ng	# 97
90) Benzo(a)pyrene	15.451	252	334178	12.74	ng	# 96
92) Benzo(g,h,i)perylene	17.451	276	146625	8.46	ng	# 94

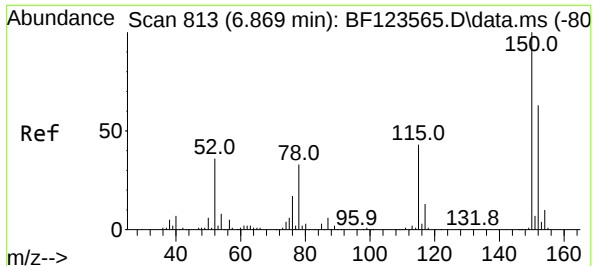
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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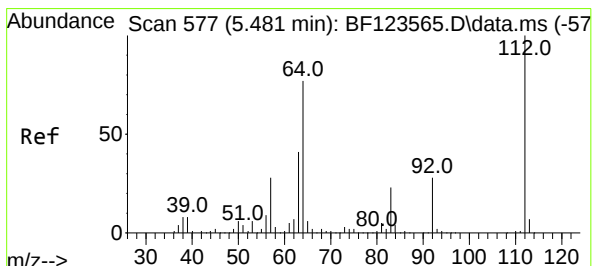
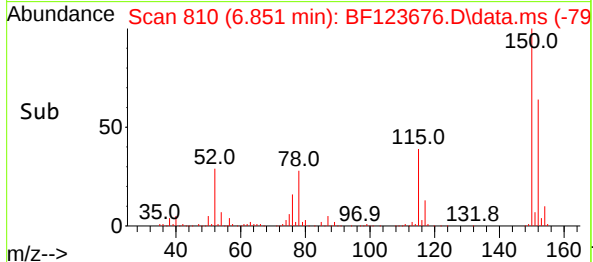
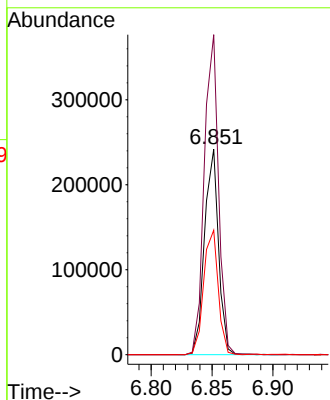
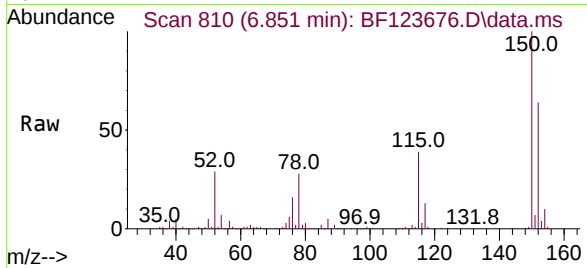




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF123676.D
Acq: 21 Apr 2021 20:06

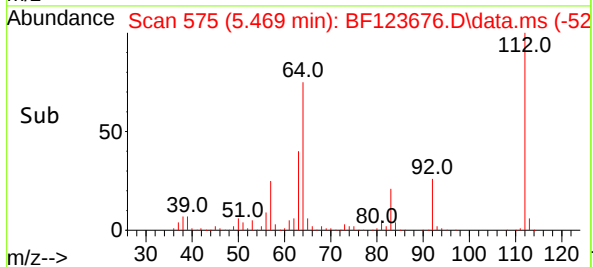
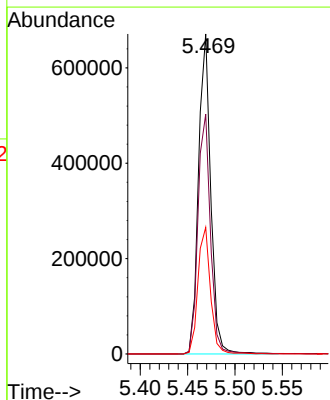
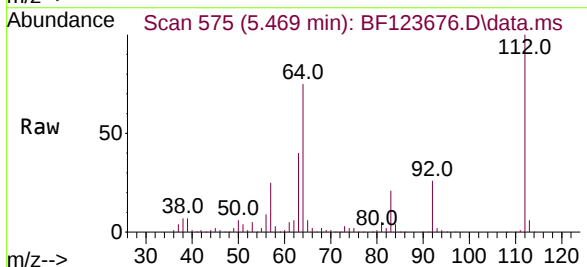
Instrument :
BNA_F
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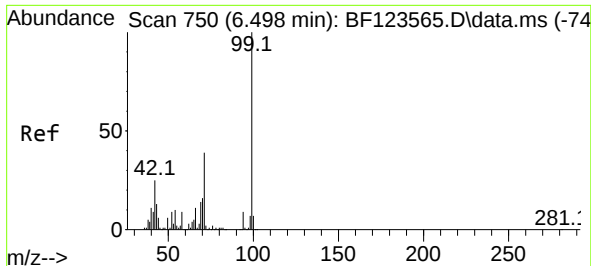
Tgt Ion:152 Resp: 192335
Ion Ratio Lower Upper
152 100
150 155.8 127.0 190.6
115 60.6 54.3 81.5



#5
2-Fluorophenol
Concen: 50.94 ng
RT: 5.469 min Scan# 575
Delta R.T. 0.000 min
Lab File: BF123676.D
Acq: 21 Apr 2021 20:06

Tgt Ion:112 Resp: 606201
Ion Ratio Lower Upper
112 100
64 74.9 61.4 92.0
63 39.5 33.0 49.4

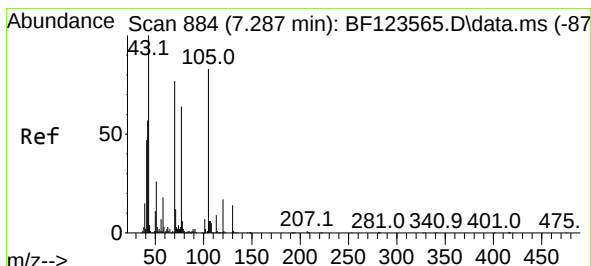
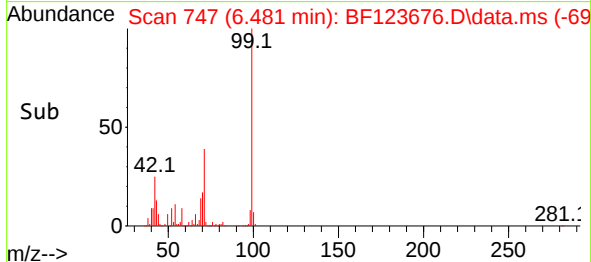
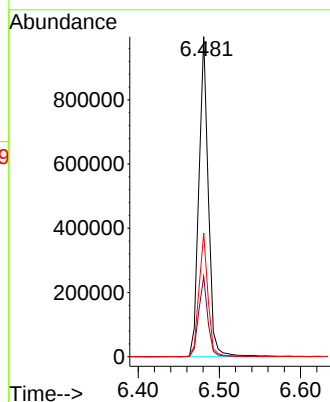
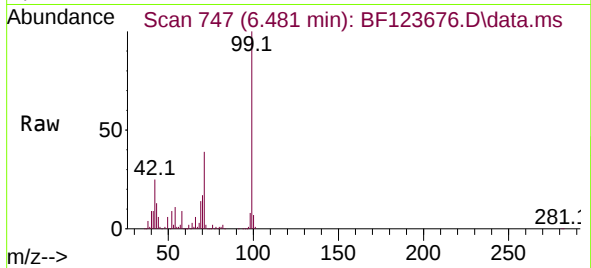




#7
Phenol-d6
Concen: 49.07 ng
RT: 6.481 min Scan# 747
Delta R.T. -0.012 min
Lab File: BF123676.D
Acq: 21 Apr 2021 20:06

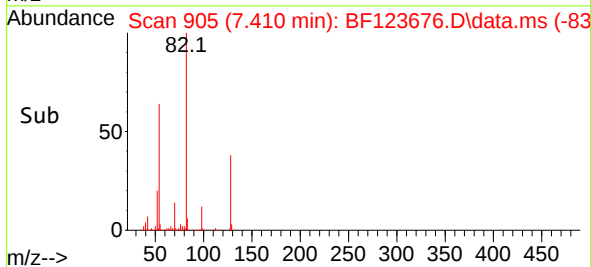
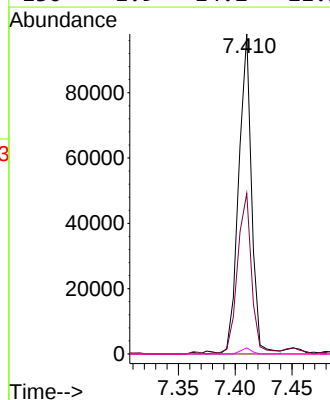
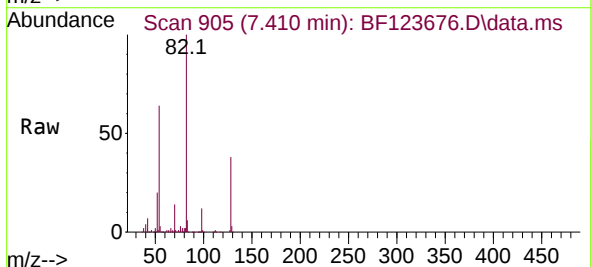
Instrument :
BNA_F
ClientSampleId :
SEDGWICK-COMP-1

Tgt Ion: 99 Resp: 809104
Ion Ratio Lower Upper
99 100
42 25.0 19.8 29.8
71 38.6 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 7.11 ng
RT: 7.410 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF123676.D
Acq: 21 Apr 2021 20:06

Tgt Ion: 70 Resp: 77717
Ion Ratio Lower Upper
70 100
42 50.2 60.1 90.1#
101 0.0 7.4 11.2#
130 1.9 14.2 21.2#

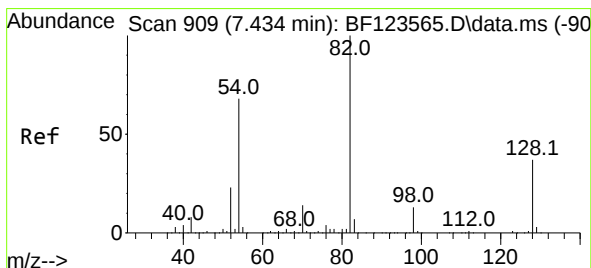
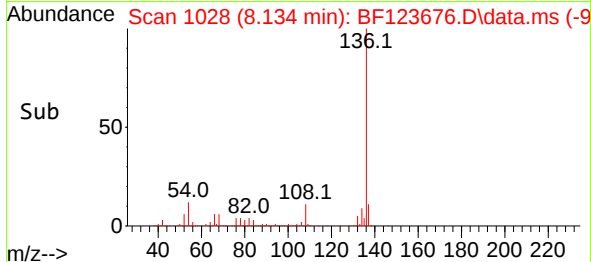
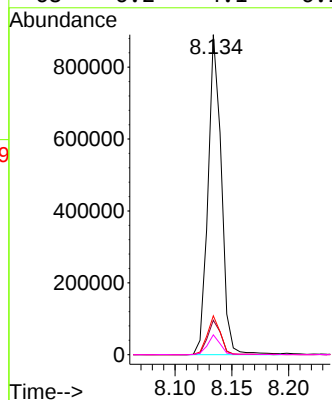
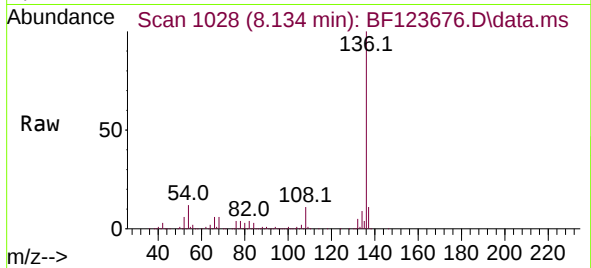




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.134 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF123676.D
Acq: 21 Apr 2021 20:06

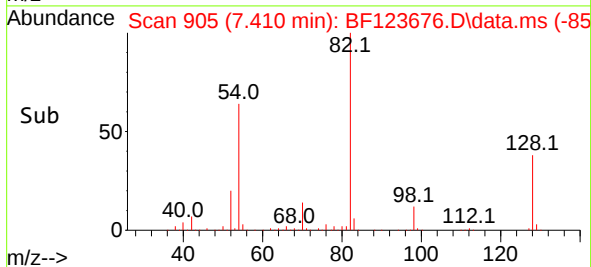
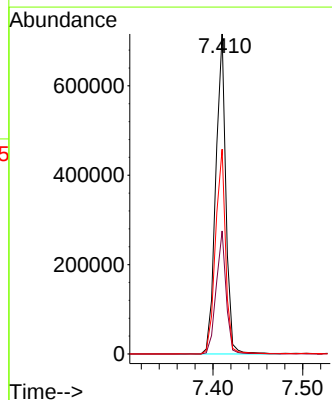
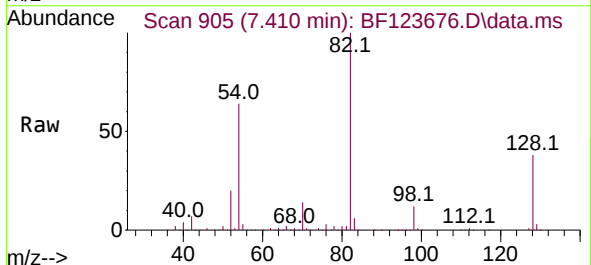
Instrument :
BNA_F
ClientSampleId :
SEDGWICK-COMP-1

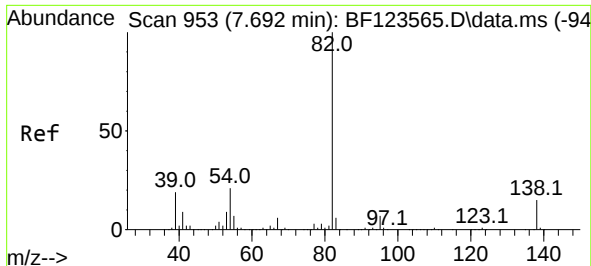
Tgt Ion:	136	Resp:	727425
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.7	13.1
54	12.1	9.8	14.6
68	6.2	4.1	6.1



#23
Nitrobenzene-d5
Concen: 35.36 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF123676.D
Acq: 21 Apr 2021 20:06

Tgt Ion:	82	Resp:	559554
Ion Ratio	Lower	Upper	
82	100		
128	38.4	29.4	44.2
54	64.0	54.1	81.1

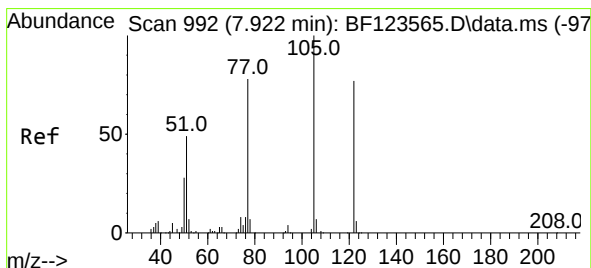
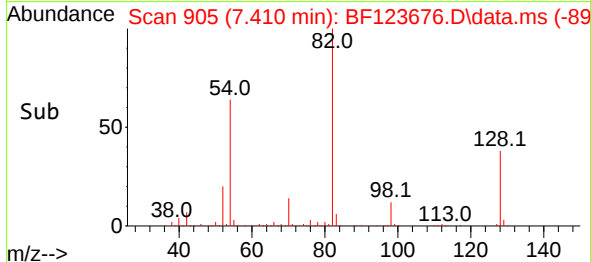
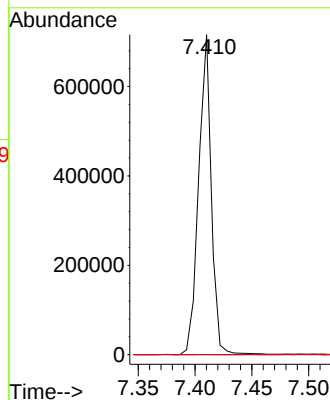
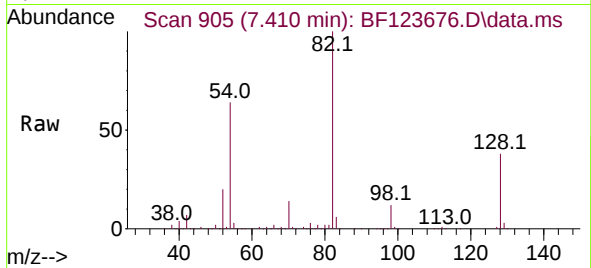




#25
Isophorone
Concen: 18.22 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.265 min
Lab File: BF123676.D
Acq: 21 Apr 2021 20:06

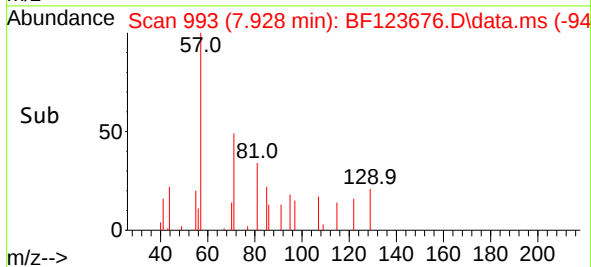
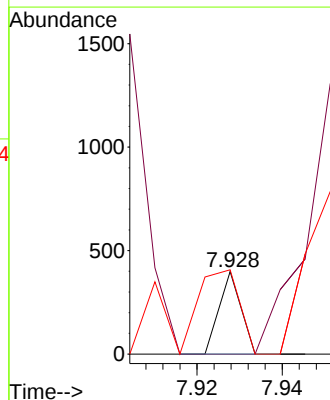
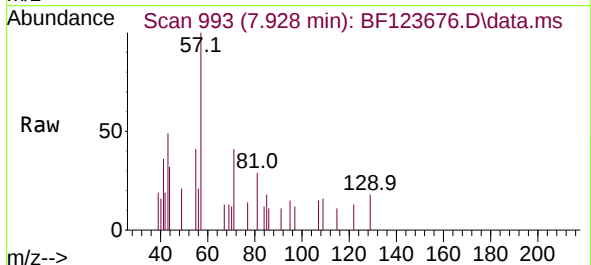
Instrument :
BNA_F
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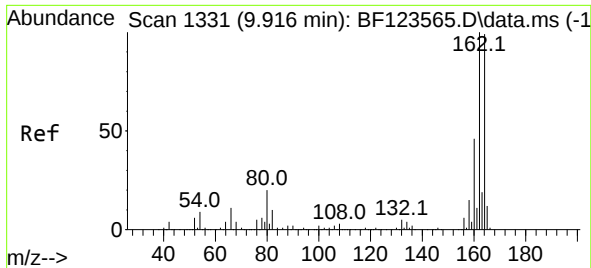
Tgt Ion: 82 Resp: 559295
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#32
Benzoic acid
Concen: 4.56 ng
RT: 7.928 min Scan# 993
Delta R.T. 0.012 min
Lab File: BF123676.D
Acq: 21 Apr 2021 20:06

Tgt Ion: 122 Resp: 141
Ion Ratio Lower Upper
122 100
105 0.0 107.8 147.8#
77 102.0 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: BF123676.D

Acq: 21 Apr 2021 20:06

Instrument :

BNA_F

ClientSampleId :

SEDGWICK-COMP-1

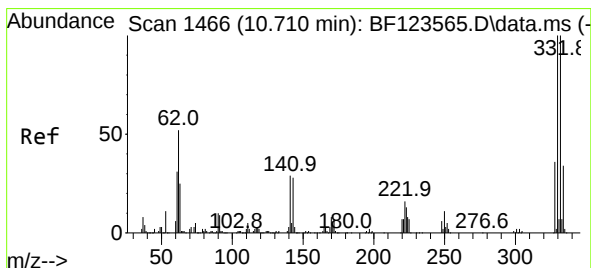
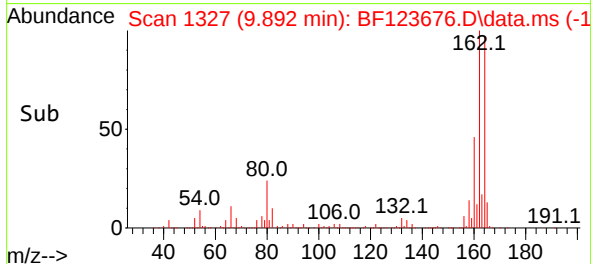
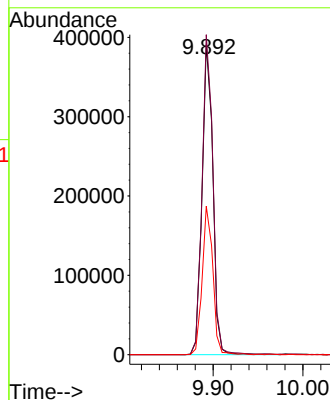
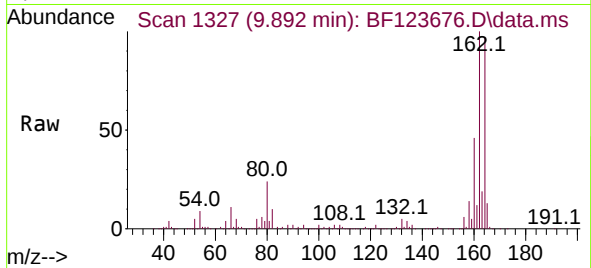
Tgt Ion:164 Resp: 326824

Ion Ratio Lower Upper

164 100

162 103.3 80.7 121.1

160 47.9 37.3 55.9



#42

2,4,6-Tribromophenol

Concen: 33.59 ng

RT: 10.681 min Scan# 1461

Delta R.T. -0.006 min

Lab File: BF123676.D

Acq: 21 Apr 2021 20:06

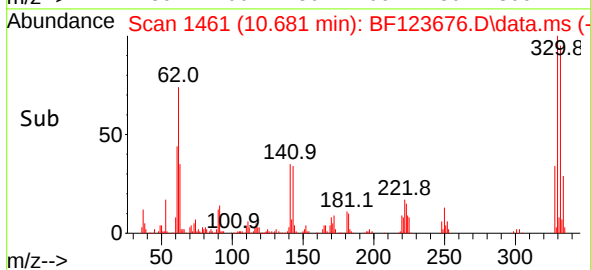
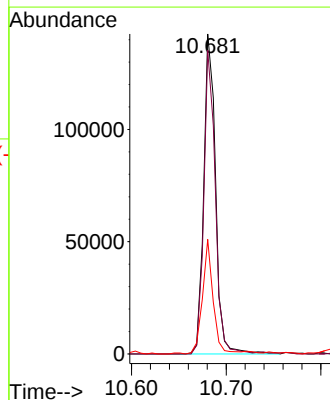
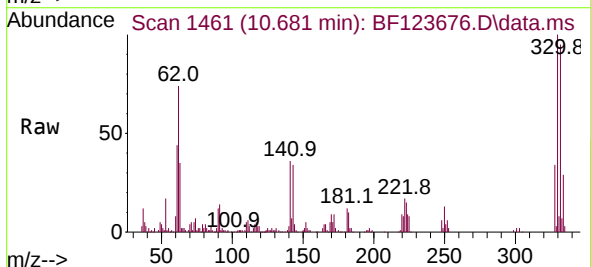
Tgt Ion:330 Resp: 124320

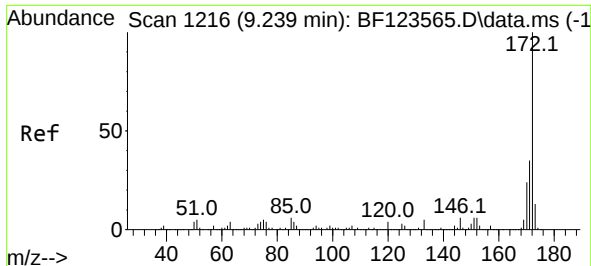
Ion Ratio Lower Upper

330 100

332 91.5 77.1 115.7

141 32.5 27.9 41.9

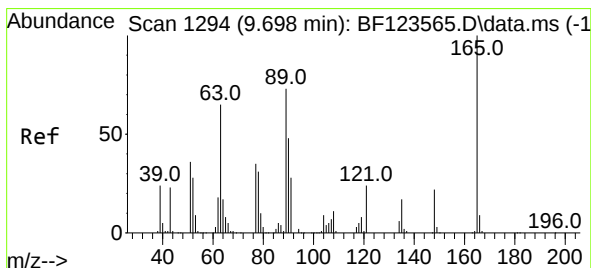
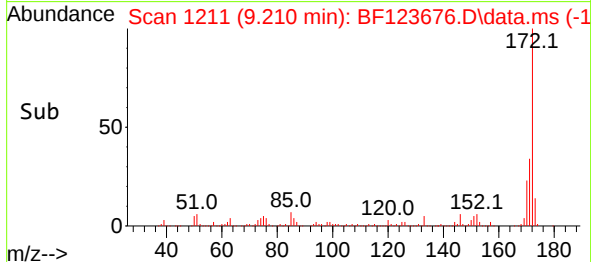
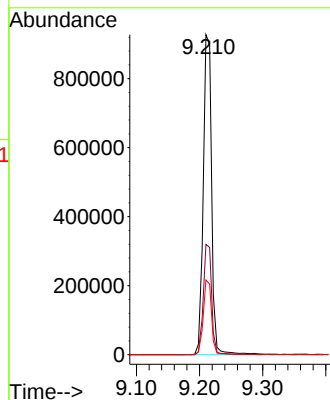
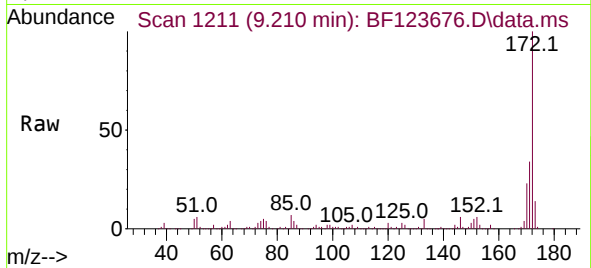




#45
2-Fluorobiphenyl
Concen: 38.95 ng
RT: 9.210 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF123676.D
Acq: 21 Apr 2021 20:06

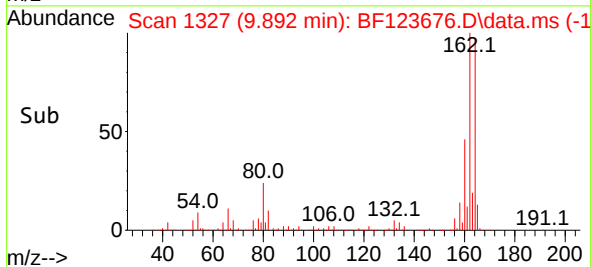
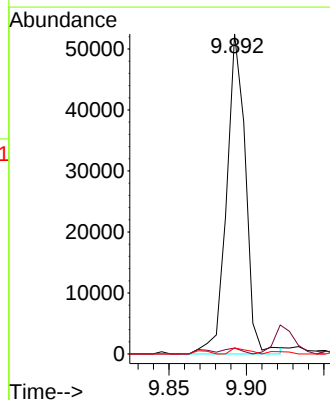
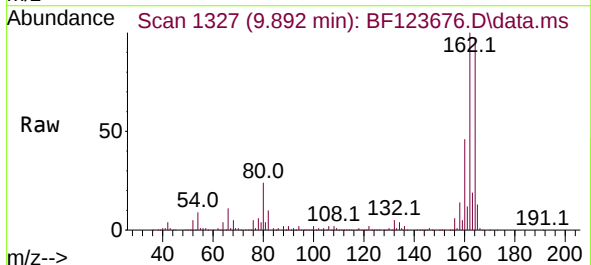
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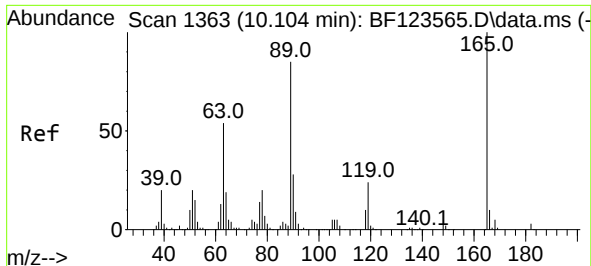
Tgt Ion:172 Resp: 853920
Ion Ratio Lower Upper
172 100
171 34.4 28.1 42.1
170 23.4 19.2 28.8



#51
2,6-Dinitrotoluene
Concen: 9.00 ng
RT: 9.892 min Scan# 1327
Delta R.T. 0.212 min
Lab File: BF123676.D
Acq: 21 Apr 2021 20:06

Tgt Ion:165 Resp: 44601
Ion Ratio Lower Upper
165 100
63 1.8 67.7 101.5#
89 1.9 58.8 88.2#

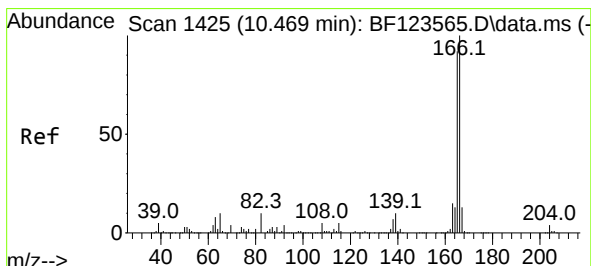
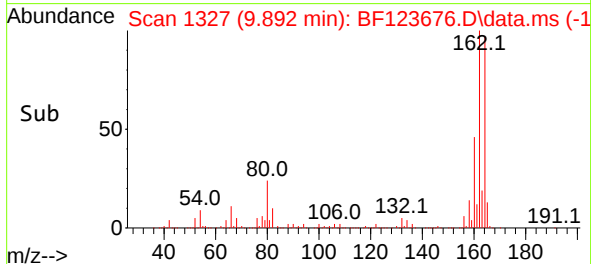
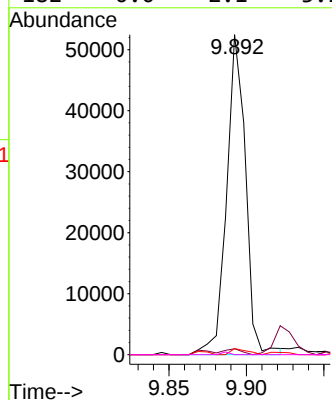
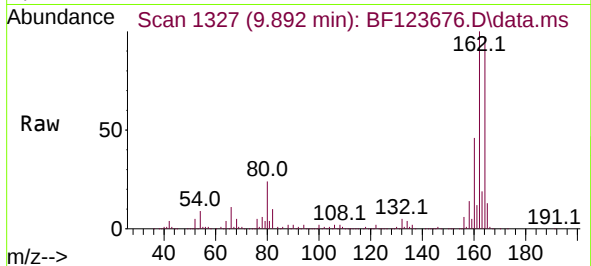




#57
2,4-Dinitrotoluene
Concen: 6.74 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.188 min
Lab File: BF123676.D
Acq: 21 Apr 2021 20:06

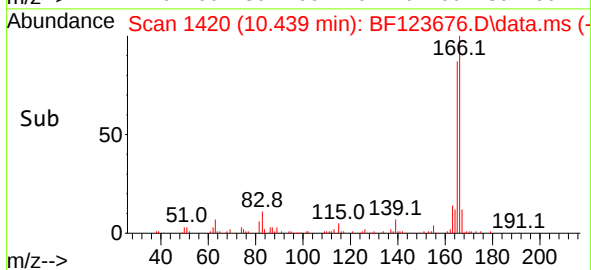
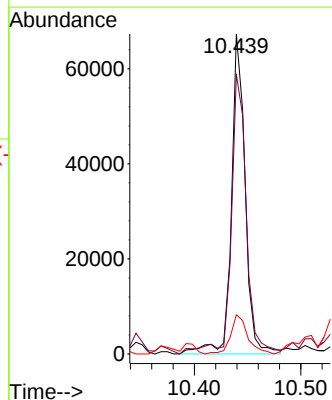
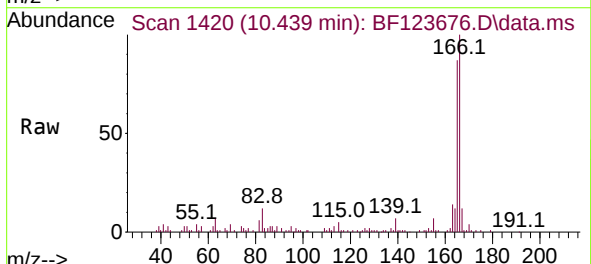
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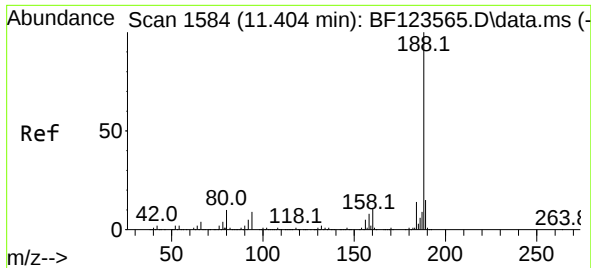
Tgt Ion:165	Resp:	44601
Ion Ratio	Lower	Upper
165	100	
63	1.8	43.5 65.3#
89	1.9	67.7 101.5#
182	0.0	2.1 3.1#



#58
Fluorene
Concen: 2.66 ng
RT: 10.439 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF123676.D
Acq: 21 Apr 2021 20:06

Tgt Ion:166	Resp:	60577
Ion Ratio	Lower	Upper
166	100	
165	87.4	73.5 110.3
167	12.2	10.7 16.1

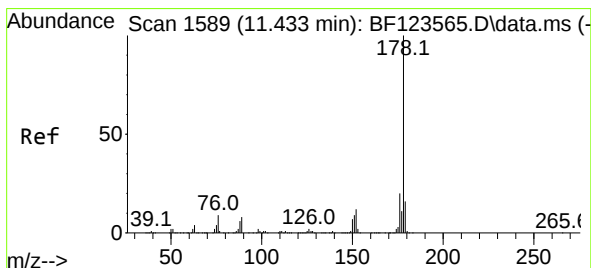
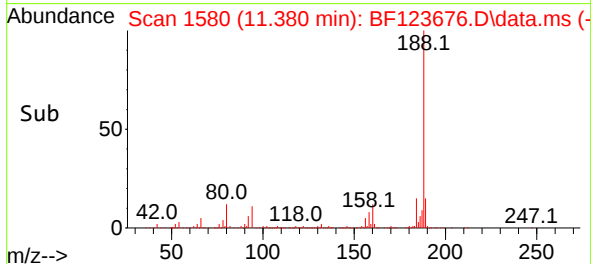
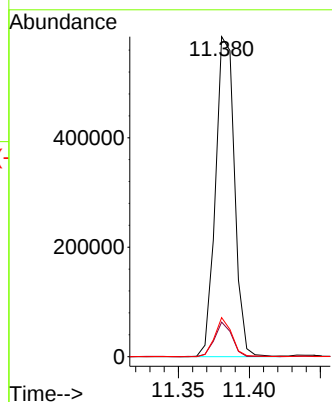
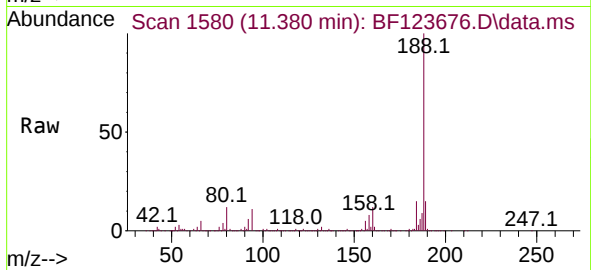




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF123676.D
Acq: 21 Apr 2021 20:06

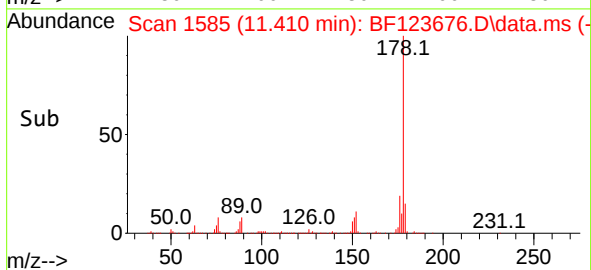
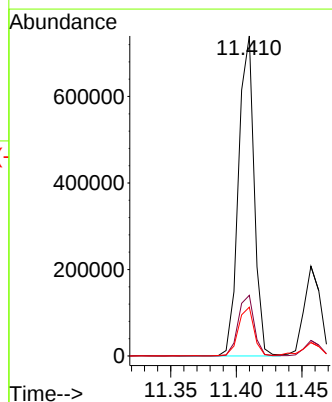
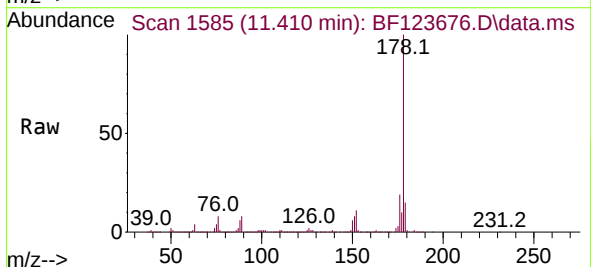
Instrument :
BNA_F
ClientSampleId :
SEDGWICK-COMP-1

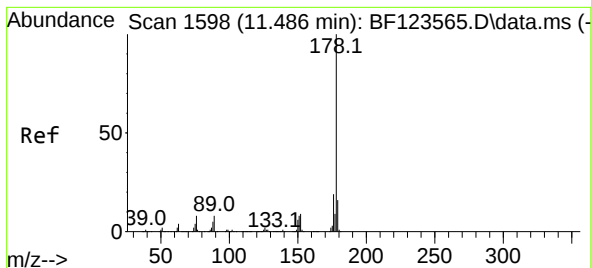
Tgt Ion:188 Resp: 544172
Ion Ratio Lower Upper
188 100
94 10.8 6.9 10.3#
80 12.2 8.2 12.2



#71
Phenanthrene
Concen: 21.73 ng
RT: 11.410 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF123676.D
Acq: 21 Apr 2021 20:06

Tgt Ion:178 Resp: 617128
Ion Ratio Lower Upper
178 100
176 18.9 15.6 23.4
179 15.3 12.5 18.7





#72

Anthracene

Concen: 6.16 ng

RT: 11.457 min Scan# 1593

Delta R.T. -0.006 min

Lab File: BF123676.D

Acq: 21 Apr 2021 20:06

Tgt Ion:178 Resp: 174805

Ion Ratio Lower Upper

178 100

176 17.3 15.4 23.0

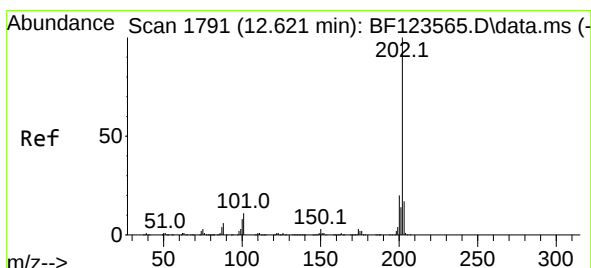
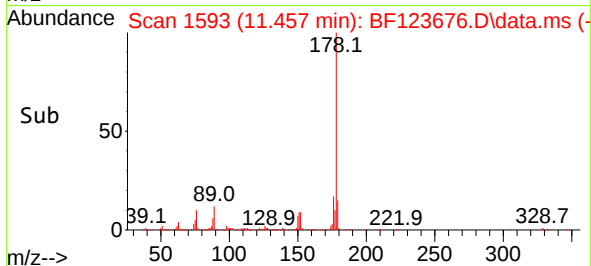
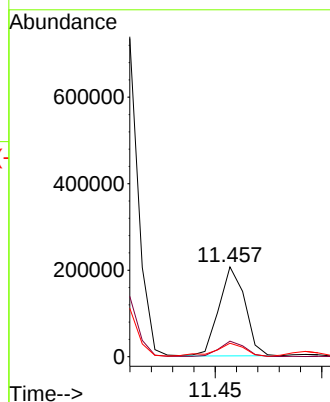
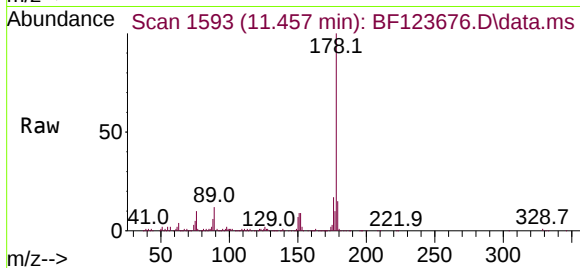
179 15.1 12.6 18.8

Instrument :

BNA_F

ClientSampleId :

SEDGWICK-COMP-1



#75

Fluoranthene

Concen: 27.46 ng

RT: 12.604 min Scan# 1788

Delta R.T. 0.000 min

Lab File: BF123676.D

Acq: 21 Apr 2021 20:06

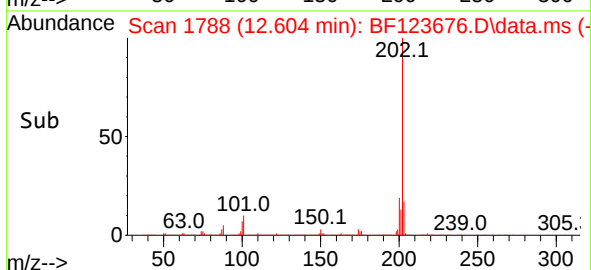
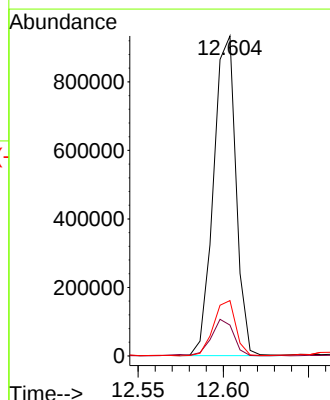
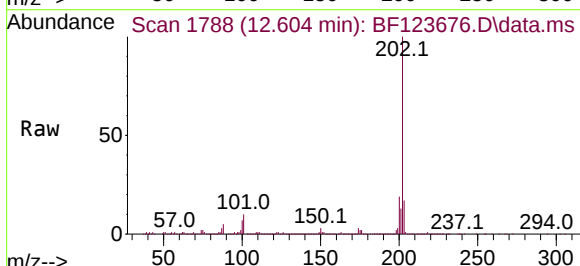
Tgt Ion:202 Resp: 857186

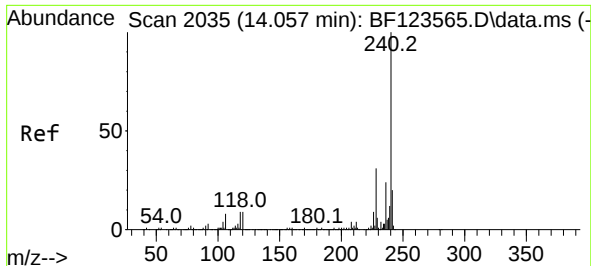
Ion Ratio Lower Upper

202 100

101 9.6 0.0 30.9

203 17.3 0.0 37.5

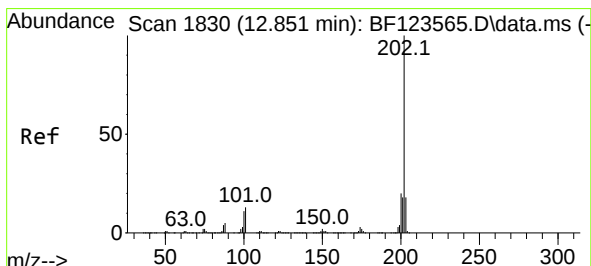
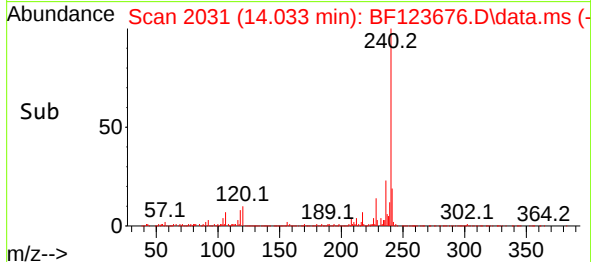
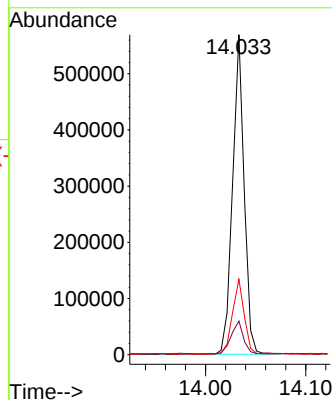
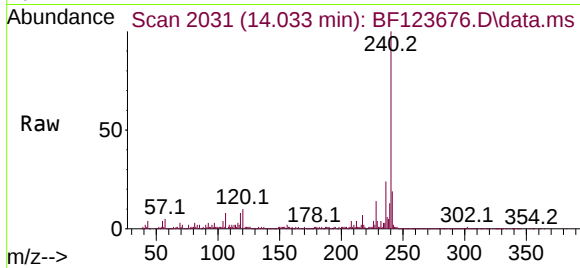




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF123676.D
Acq: 21 Apr 2021 20:06

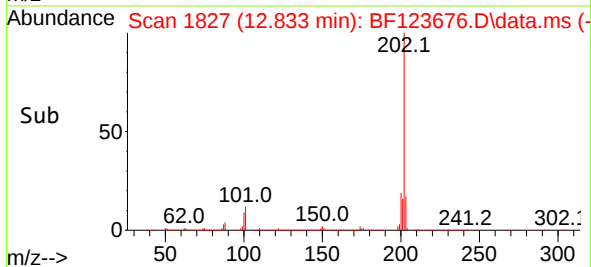
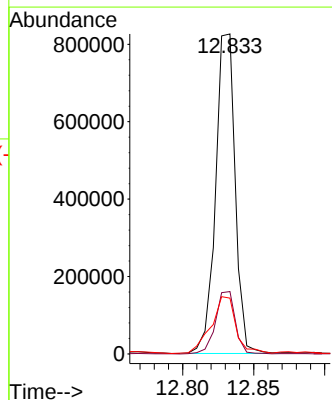
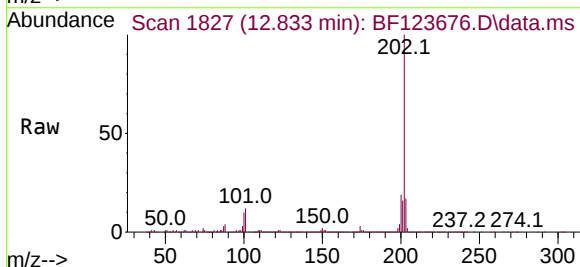
Instrument :
BNA_F
ClientSampleId :
SEDGWICK-COMP-1

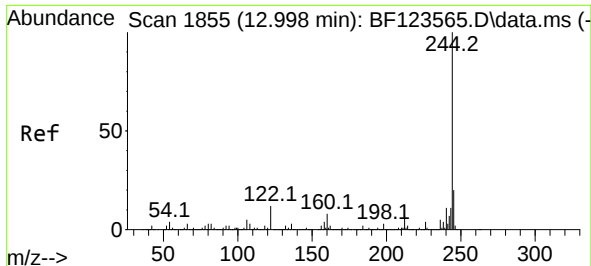
Tgt Ion:240 Resp: 455490
Ion Ratio Lower Upper
240 100
120 10.5 7.2 10.8
236 23.5 19.0 28.4



#78
Pyrene
Concen: 23.89 ng
RT: 12.833 min Scan# 1827
Delta R.T. 0.000 min
Lab File: BF123676.D
Acq: 21 Apr 2021 20:06

Tgt Ion:202 Resp: 794157
Ion Ratio Lower Upper
202 100
200 19.5 16.1 24.1
203 17.4 14.8 22.2

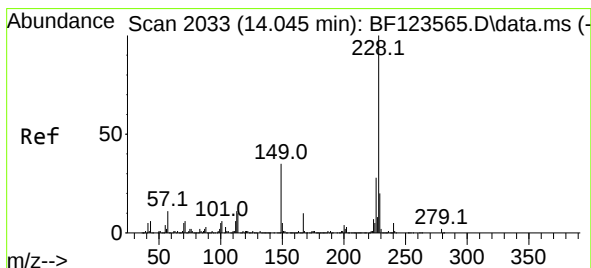
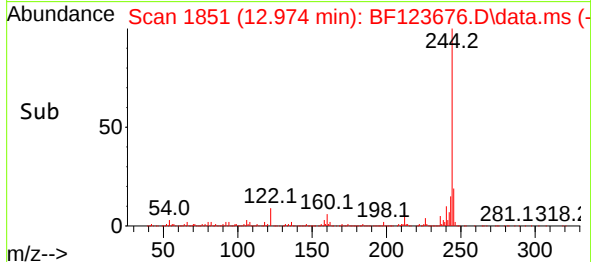
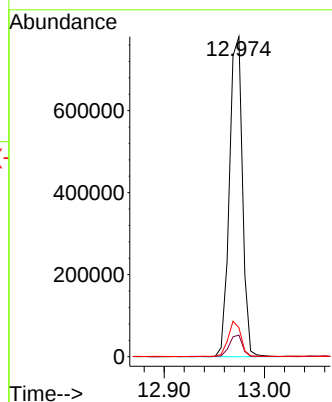
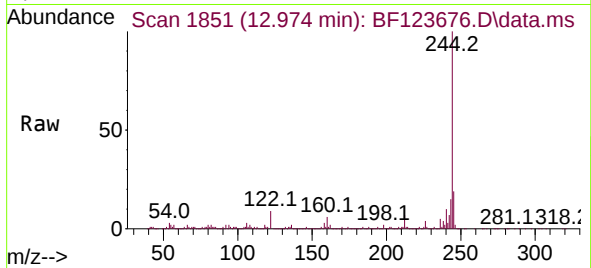




#79
 Terphenyl-d14
 Concen: 30.04 ng
 RT: 12.974 min Scan# 1851
 Delta R.T. 0.000 min
 Lab File: BF123676.D
 Acq: 21 Apr 2021 20:06

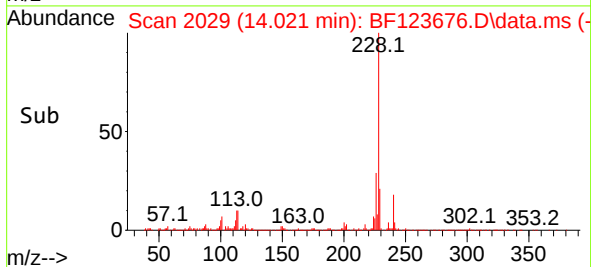
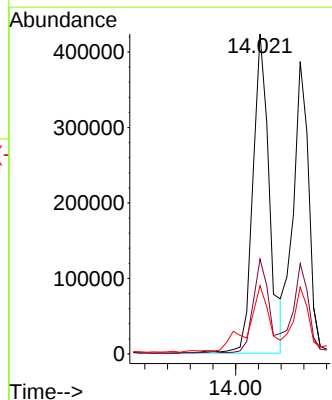
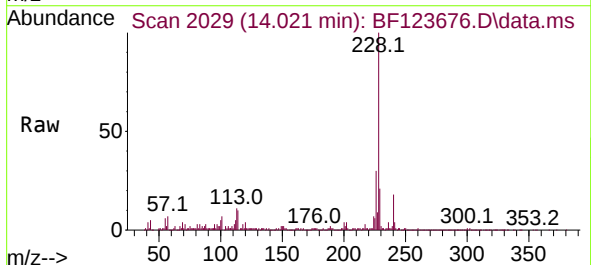
Instrument :
 BNA_F
 ClientSampleId :
 SEDGWICK-COMP-1

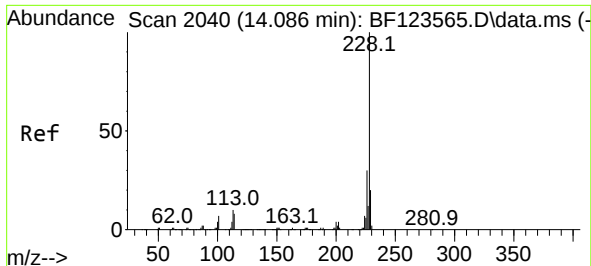
Tgt Ion:244 Resp: 703934
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.7 8.5
 122 9.0 9.7 14.5#



#81
 Benzo(a)anthracene
 Concen: 15.24 ng
 RT: 14.021 min Scan# 2029
 Delta R.T. 0.000 min
 Lab File: BF123676.D
 Acq: 21 Apr 2021 20:06

Tgt Ion:228 Resp: 425414
 Ion Ratio Lower Upper
 228 100
 226 29.7 22.4 33.6
 229 21.4 16.0 24.0

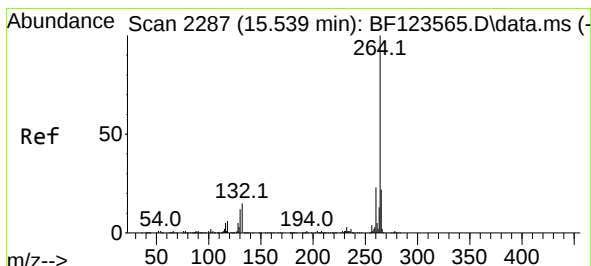
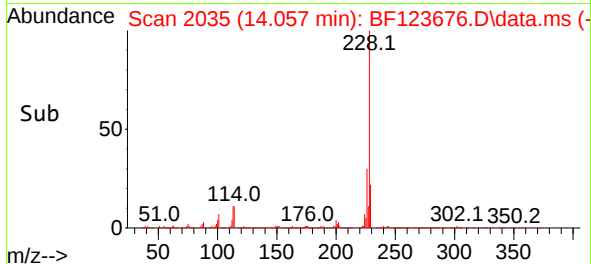
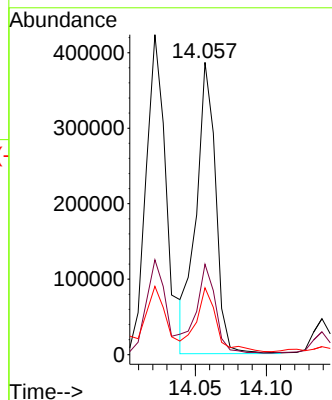
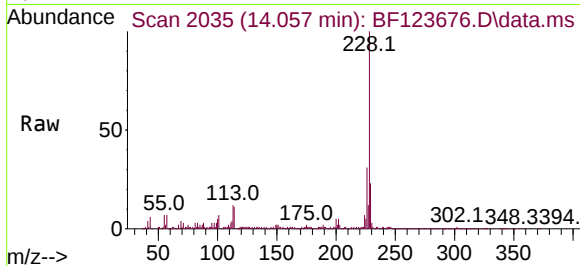




#83
Chrysene
Concen: 13.16 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BF123676.D
Acq: 21 Apr 2021 20:06

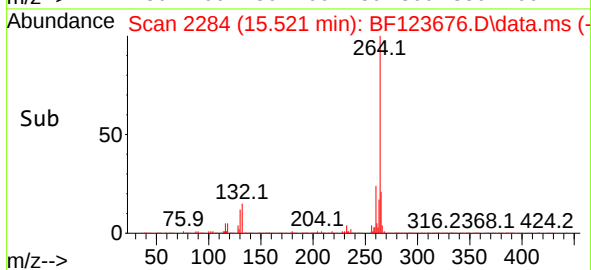
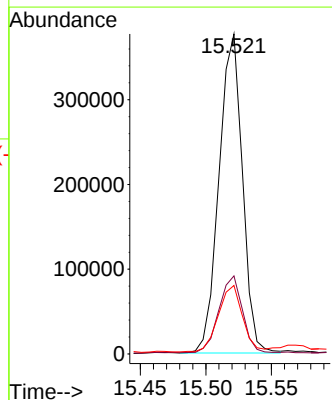
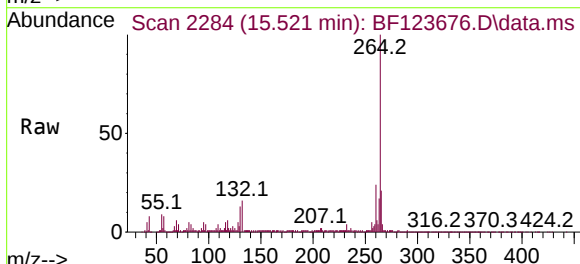
Instrument :
BNA_F
ClientSampleId :
SEDGWICK-COMP-1

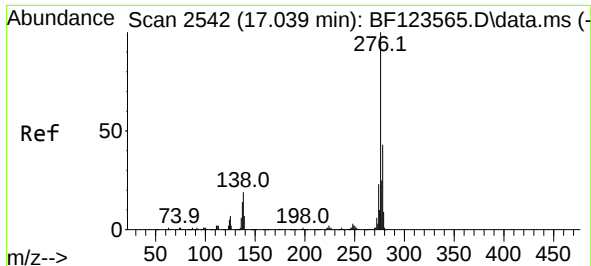
Tgt Ion:228 Resp: 368809
Ion Ratio Lower Upper
228 100
226 30.9 24.3 36.5
229 22.9 16.2 24.2



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.521 min Scan# 2284
Delta R.T. 0.018 min
Lab File: BF123676.D
Acq: 21 Apr 2021 20:06

Tgt Ion:264 Resp: 467193
Ion Ratio Lower Upper
264 100
260 24.4 18.7 28.1
265 21.4 17.8 26.8

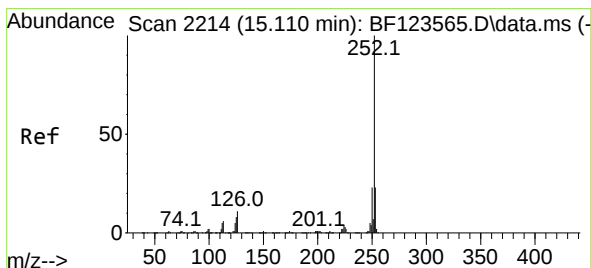
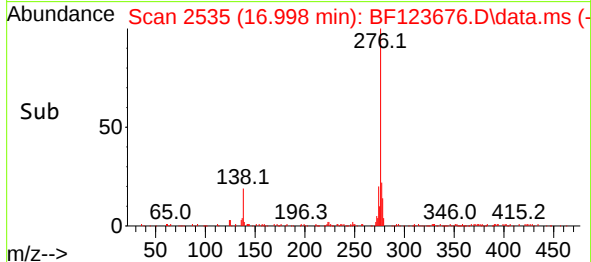
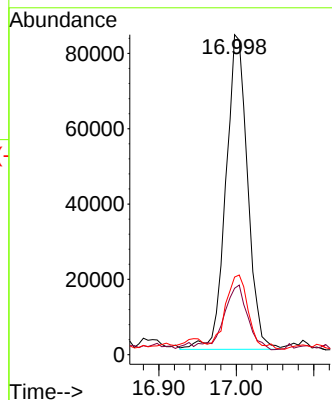
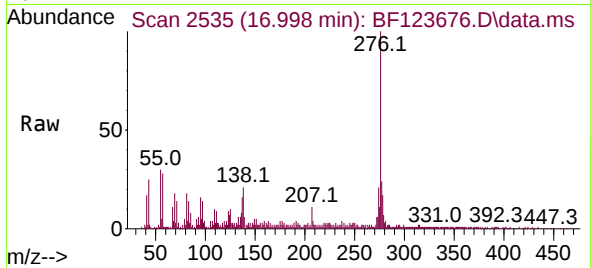




#87
Indeno(1,2,3-cd)pyrene
Concen: 6.54 ng
RT: 16.998 min Scan# 2535
Delta R.T. 0.012 min
Lab File: BF123676.D
Acq: 21 Apr 2021 20:06

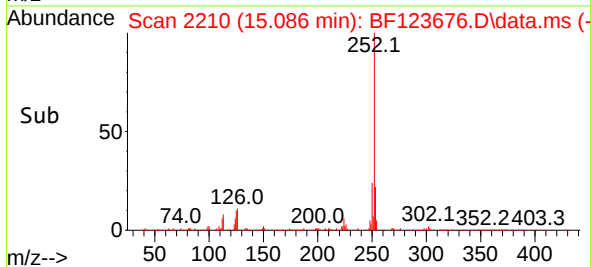
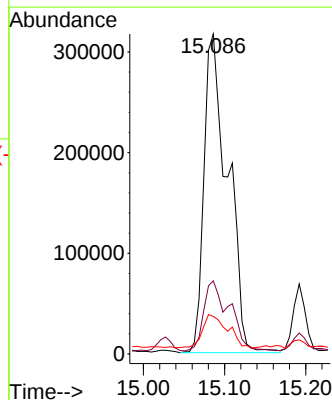
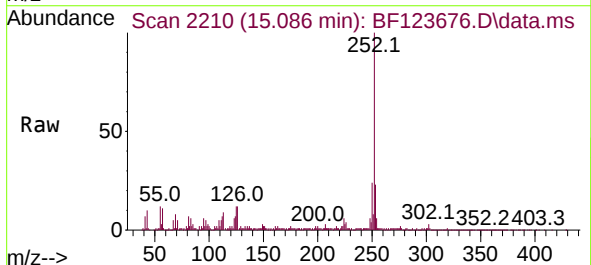
Instrument :
BNA_F
ClientSampleId :
SEDGWICK-COMP-1

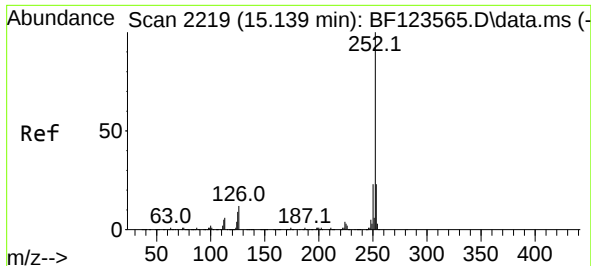
Tgt Ion:276 Resp: 163094
Ion Ratio Lower Upper
276 100
138 22.5 16.2 24.2
277 24.8 20.1 30.1



#88
Benzo(b)fluoranthene
Concen: 19.46 ng
RT: 15.086 min Scan# 2210
Delta R.T. 0.012 min
Lab File: BF123676.D
Acq: 21 Apr 2021 20:06

Tgt Ion:252 Resp: 641832
Ion Ratio Lower Upper
252 100
253 22.9 18.1 27.1
125 11.7 6.2 9.4#





#89

Benzo(k)fluoranthene

Concen: 20.87 ng

RT: 15.086 min Scan# 2210

Delta R.T. -0.023 min

Lab File: BF123676.D

Acq: 21 Apr 2021 20:06

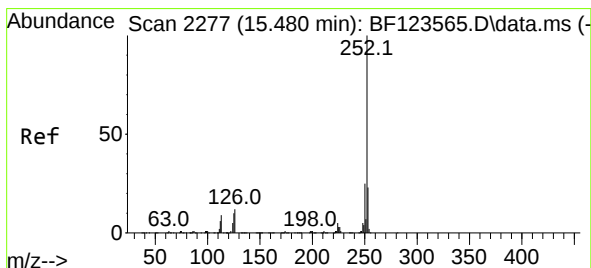
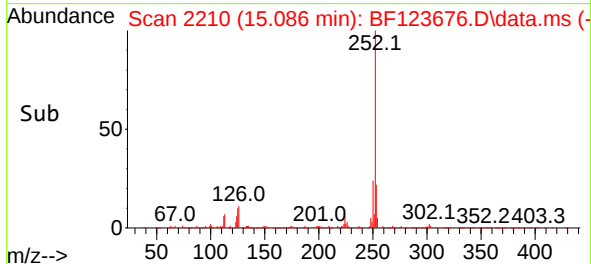
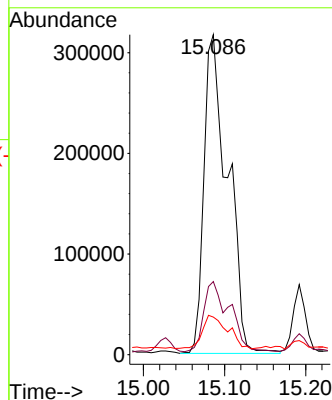
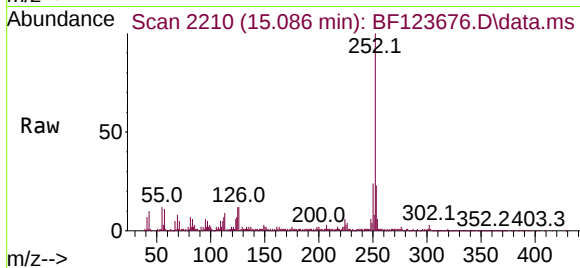
Instrument :

BNA_F

ClientSampleId :

SEDGWICK-COMP-1

Tgt Ion:252	Resp: 641832
Ion Ratio	Lower Upper
252	100
253	22.9 17.9 26.9
125	11.7 7.0 10.6#



#90

Benzo(a)pyrene

Concen: 12.74 ng

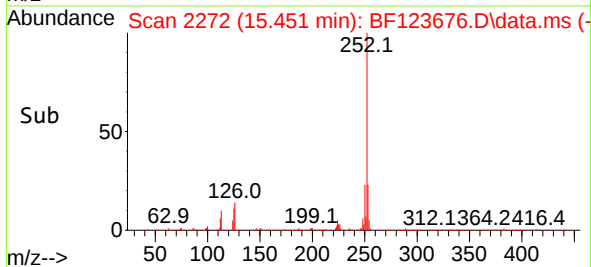
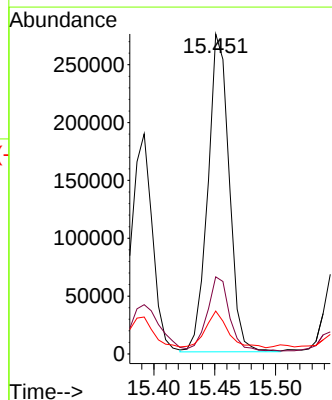
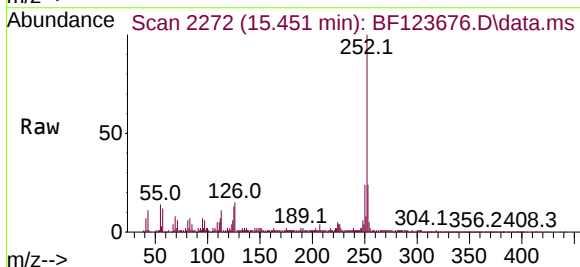
RT: 15.451 min Scan# 2272

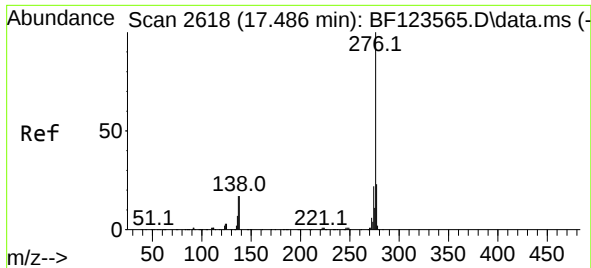
Delta R.T. 0.006 min

Lab File: BF123676.D

Acq: 21 Apr 2021 20:06

Tgt Ion:252	Resp: 334178
Ion Ratio	Lower Upper
252	100
253	24.1 18.4 27.6
125	13.4 8.0 12.0#





#92
 Benzo(g,h,i)perylene
 Concen: 8.46 ng
 RT: 17.451 min Scan# 2612
 Delta R.T. 0.012 min
 Lab File: BF123676.D
 Acq: 21 Apr 2021 20:06

Instrument :
 BNA_F
 ClientSampleId :
 SEDGWICK-COMP-1

Tgt Ion:276 Resp: 146625
 Ion Ratio Lower Upper
 276 100
 277 24.4 18.2 27.2
 138 21.3 13.8 20.6#

