

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042121\
 Data File : BF123675.D
 Acq On : 21 Apr 2021 19:34
 Operator : JU/CG
 Sample : M2099-22
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SEDGWICK-COMP-5

Quant Time: Apr 22 00:56:12 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)

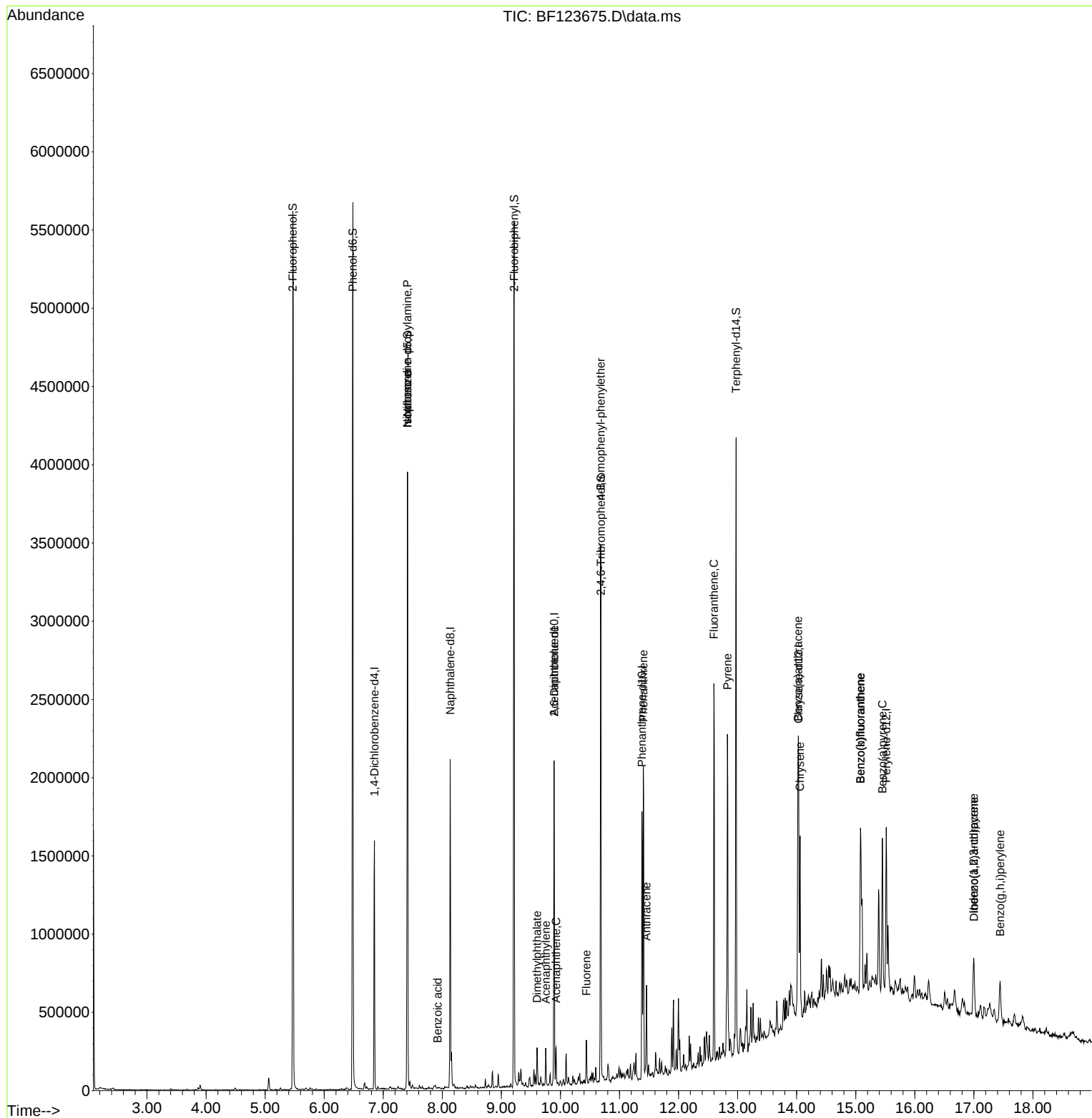
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	204552	20.00	ng	0.00
21) Naphthalene-d8	8.134	136	782839	20.00	ng	# 0.00
39) Acenaphthene-d10	9.892	164	374760	20.00	ng	0.00
64) Phenanthrene-d10	11.380	188	616091	20.00	ng	0.00
76) Chrysene-d12	14.033	240	435000	20.00	ng	0.00
86) Perylene-d12	15.515	264	471416	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	1293695	102.22	ng	0.00
7) Phenol-d6	6.487	99	1670429	95.25	ng	0.00
23) Nitrobenzene-d5	7.410	82	1167927	68.59	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	373701	88.06	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	1599766	63.63	ng	0.00
79) Terphenyl-d14	12.974	244	1172562	52.39	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.410	70	160334	13.80	ng	# 76
25) Isophorone	7.410	82	1167721	35.35	ng	# 69
32) Benzoic acid	7.922	122	524	4.61	ng	# 22
49) Acenaphthylene	9.751	152	79402	2.20	ng	97
50) Dimethylphthalate	9.604	163	74239	2.87	ng	100
51) 2,6-Dinitrotoluene	9.892	165	48790	8.58	ng	# 12
52) Acenaphthene	9.928	154	48435	2.09	ng	96
58) Fluorene	10.439	166	68241	2.61	ng	95
67) 4-Bromophenyl-phenylether	10.680	248	20198	3.14	ng	# 1
71) Phenanthrene	11.404	178	702919	21.86	ng	99
72) Anthracene	11.457	178	189417	5.89	ng	98
75) Fluoranthene	12.598	202	935400	26.47	ng	99
78) Pyrene	12.827	202	846938	26.68	ng	98
81) Benzo(a)anthracene	14.021	228	483255	18.13	ng	97
83) Chrysene	14.057	228	405398	15.14	ng	97
87) Indeno(1,2,3-cd)pyrene	16.998	276	260485	10.36	ng	98
88) Benzo(b)fluoranthene	15.080	252	837977	25.18	ng	# 96
89) Benzo(k)fluoranthene	15.080	252	837977	27.49	ng	# 97
90) Benzo(a)pyrene	15.451	252	461176	17.42	ng	97
91) Dibenzo(a,h)anthracene	17.004	278	66723	3.14	ng	# 78
92) Benzo(g,h,i)perylene	17.445	276	225648	13.03	ng	97

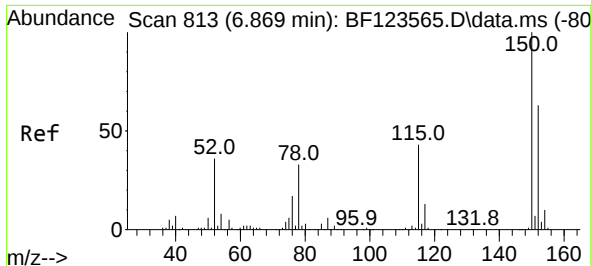
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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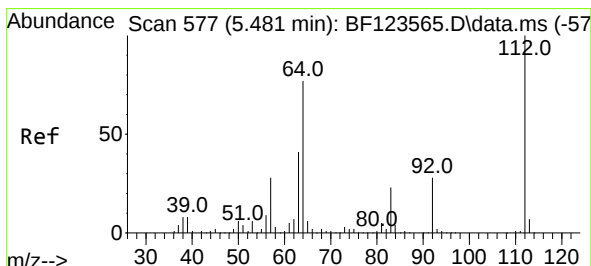
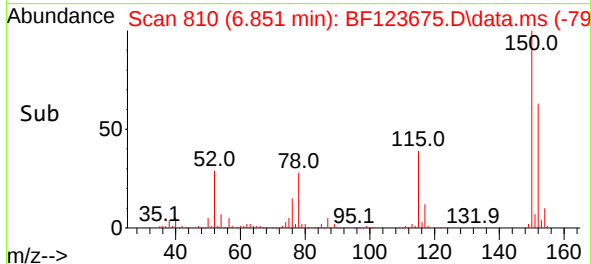
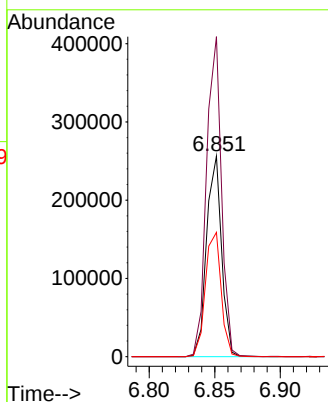
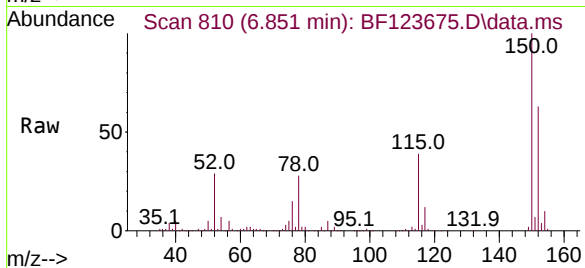




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF123675.D
Acq: 21 Apr 2021 19:34

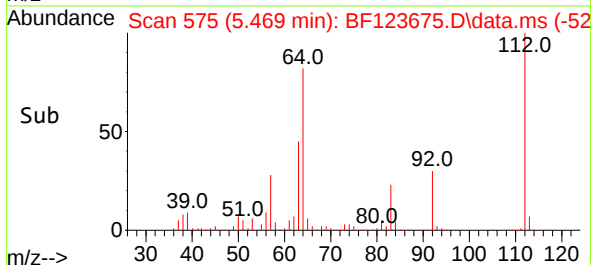
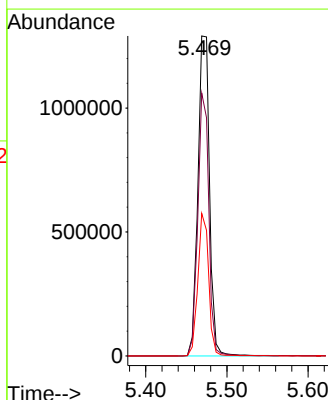
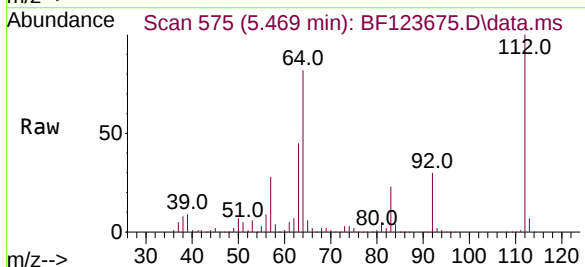
Instrument :
BNA_F
ClientSampleId :
SEDGWICK-COMP-5

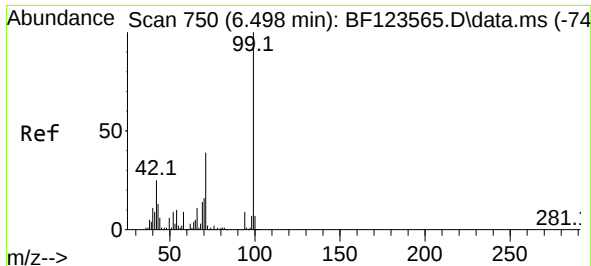
Tgt Ion:152 Resp: 204552
Ion Ratio Lower Upper
152 100
150 159.5 127.0 190.6
115 62.0 54.3 81.5



#5
2-Fluorophenol
Concen: 102.22 ng
RT: 5.469 min Scan# 575
Delta R.T. 0.000 min
Lab File: BF123675.D
Acq: 21 Apr 2021 19:34

Tgt Ion:112 Resp: 1293695
Ion Ratio Lower Upper
112 100
64 82.1 61.4 92.0
63 44.5 33.0 49.4

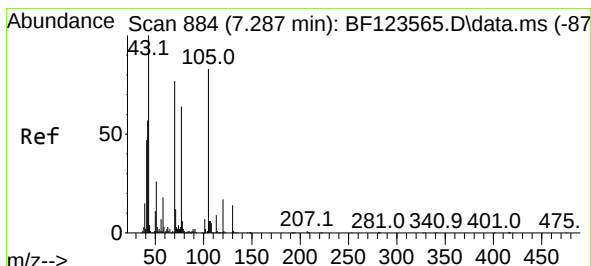
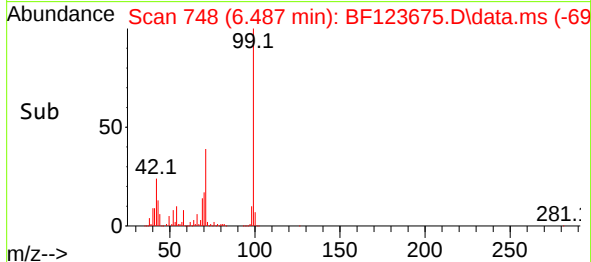
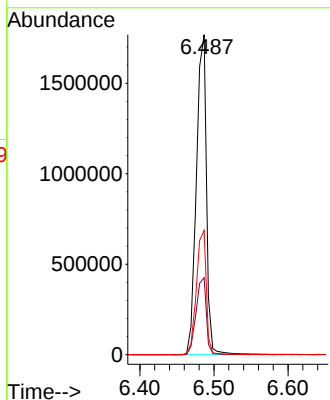
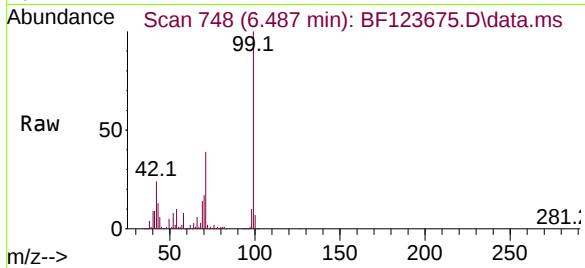




#7
Phenol-d6
Concen: 95.25 ng
RT: 6.487 min Scan# 748
Delta R.T. -0.006 min
Lab File: BF123675.D
Acq: 21 Apr 2021 19:34

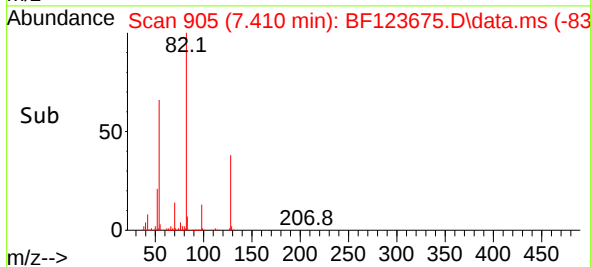
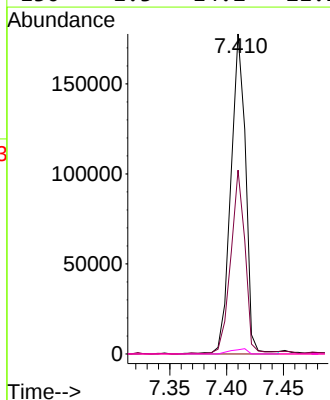
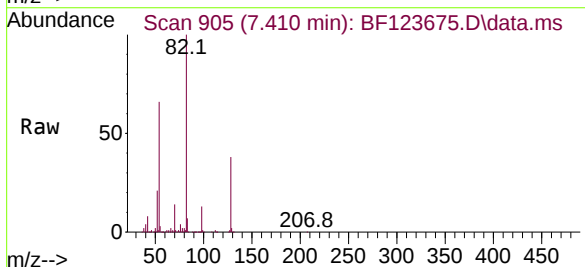
Instrument :
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ClientSampleId :
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Tgt Ion: 99 Resp: 1670429
Ion Ratio Lower Upper
99 100
42 24.1 19.8 29.8
71 38.8 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 13.80 ng
RT: 7.410 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF123675.D
Acq: 21 Apr 2021 19:34

Tgt Ion: 70 Resp: 160334
Ion Ratio Lower Upper
70 100
42 57.4 60.1 90.1#
101 0.0 7.4 11.2#
130 1.3 14.2 21.2#

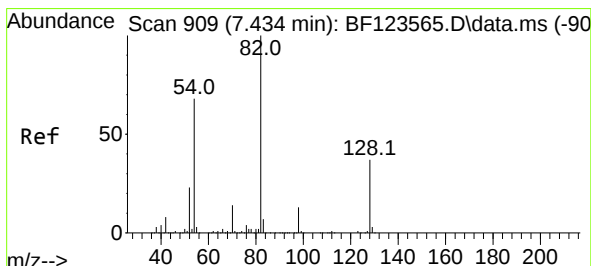
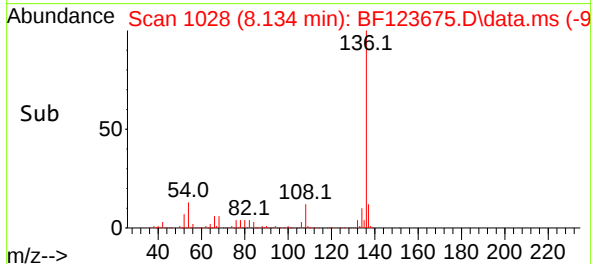
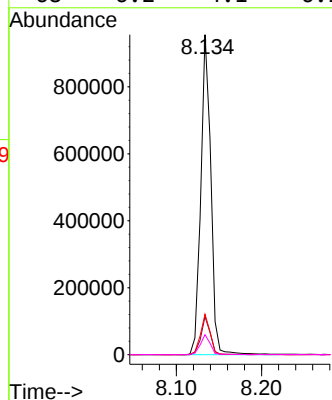
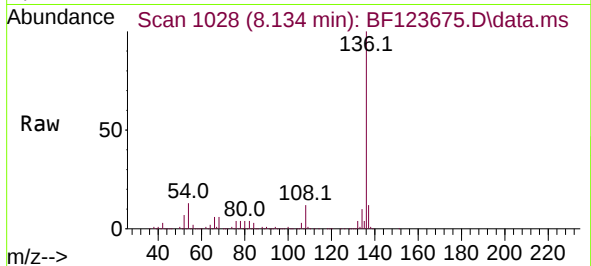




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.134 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF123675.D
Acq: 21 Apr 2021 19:34

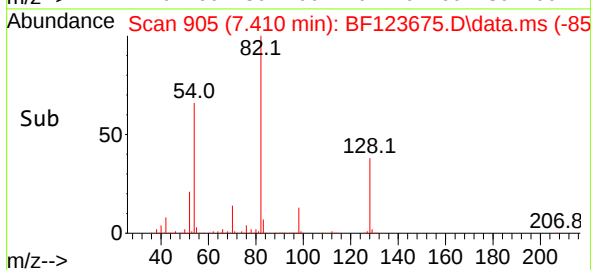
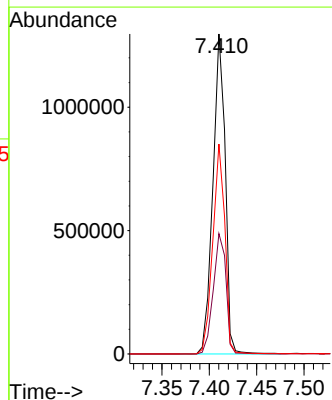
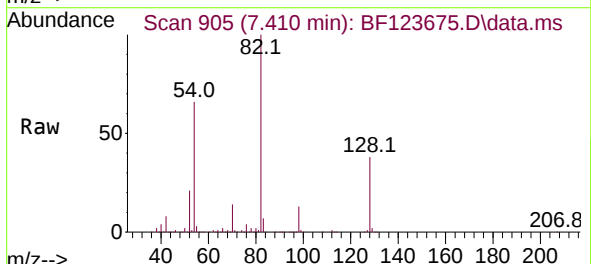
Instrument :
BNA_F
ClientSampleId :
SEDGWICK-COMP-5

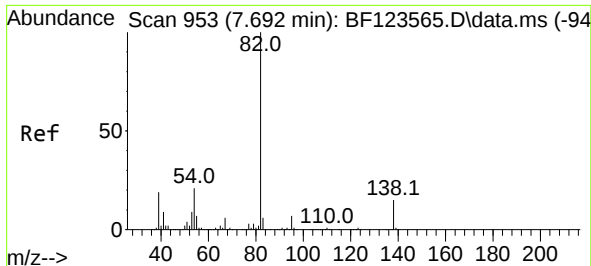
Tgt Ion:	136	Resp:	782839
Ion Ratio	Lower	Upper	
136	100		
137	11.9	8.7	13.1
54	12.7	9.8	14.6
68	6.2	4.1	6.1



#23
Nitrobenzene-d5
Concen: 68.59 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF123675.D
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Tgt Ion:	82	Resp:	1167927
Ion Ratio	Lower	Upper	
82	100		
128	37.6	29.4	44.2
54	65.6	54.1	81.1

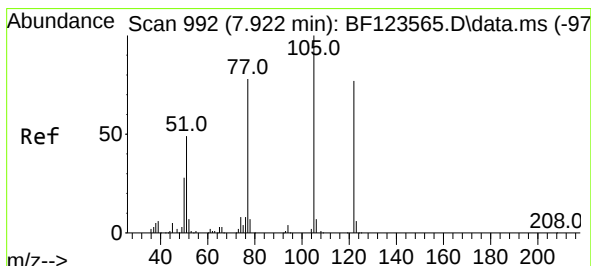
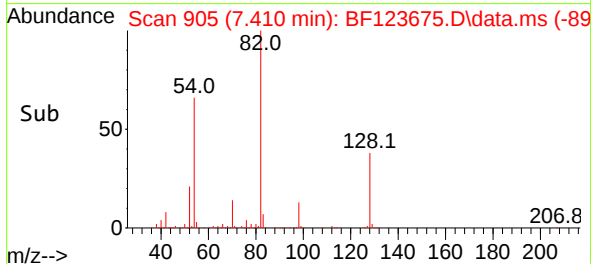
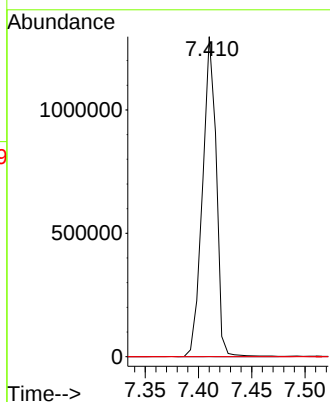
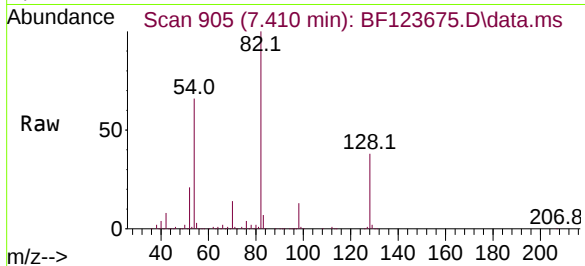




#25
Isophorone
Concen: 35.35 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.265 min
Lab File: BF123675.D
Acq: 21 Apr 2021 19:34

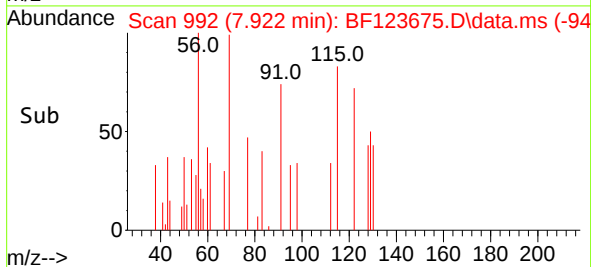
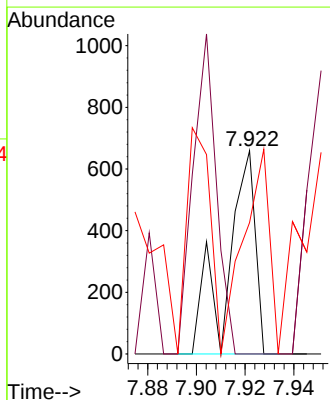
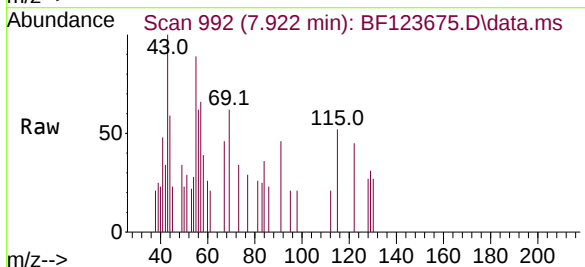
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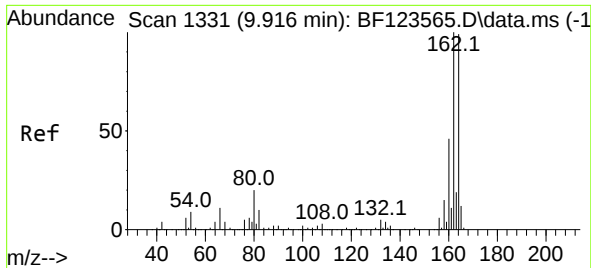
Tgt Ion: 82 Resp: 1167721
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#32
Benzoic acid
Concen: 4.61 ng
RT: 7.922 min Scan# 992
Delta R.T. 0.006 min
Lab File: BF123675.D
Acq: 21 Apr 2021 19:34

Tgt Ion:122 Resp: 524
Ion Ratio Lower Upper
122 100
105 0.0 107.8 147.8#
77 64.6 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: BF123675.D

Acq: 21 Apr 2021 19:34

Instrument :

BNA_F

ClientSampleId :

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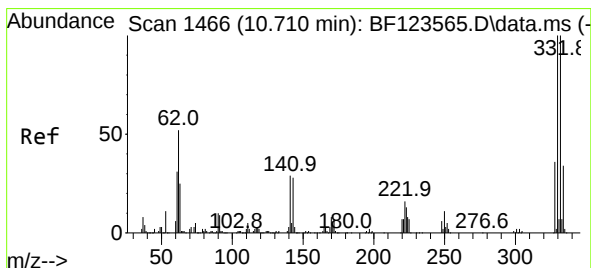
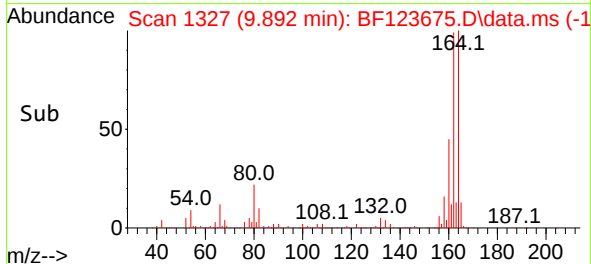
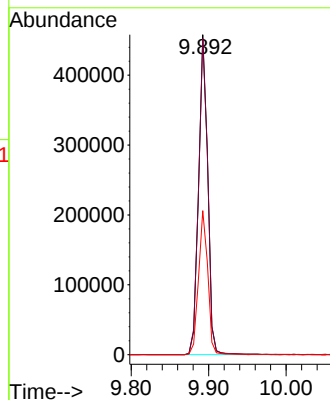
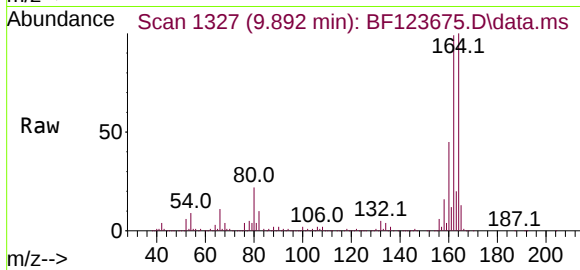
Tgt Ion:164 Resp: 374760

Ion Ratio Lower Upper

164 100

162 98.7 80.7 121.1

160 45.0 37.3 55.9



#42

2,4,6-Tribromophenol

Concen: 88.06 ng

RT: 10.686 min Scan# 1462

Delta R.T. 0.000 min

Lab File: BF123675.D

Acq: 21 Apr 2021 19:34

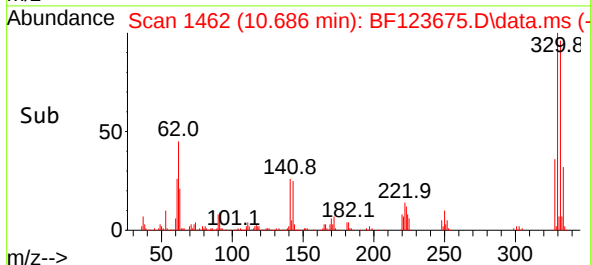
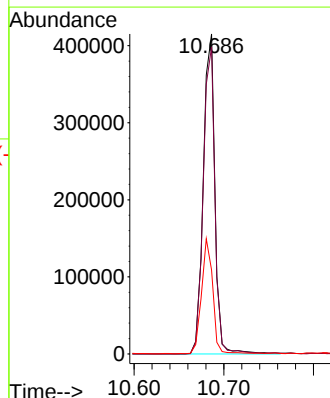
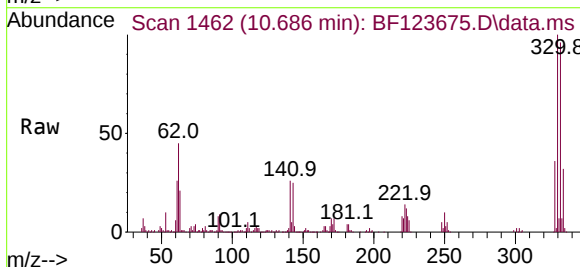
Tgt Ion:330 Resp: 373701

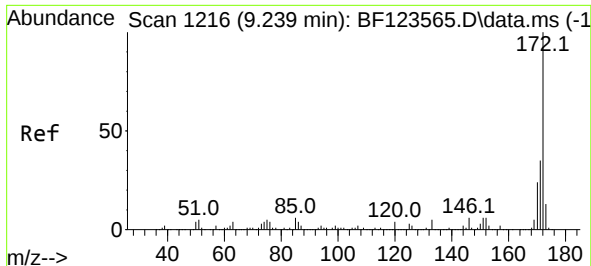
Ion Ratio Lower Upper

330 100

332 96.3 77.1 115.7

141 34.7 27.9 41.9

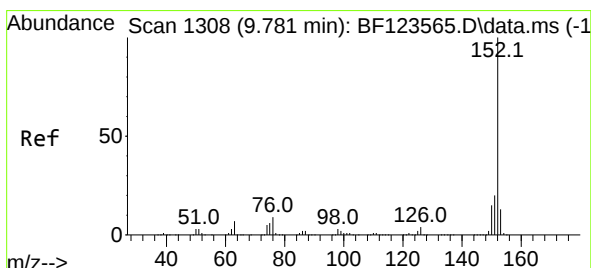
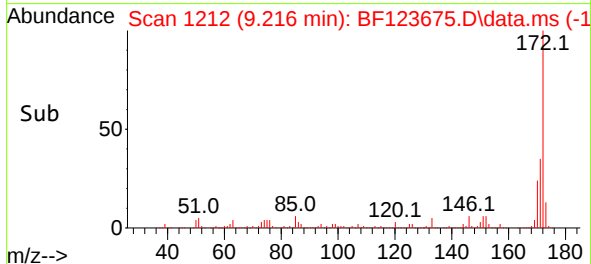
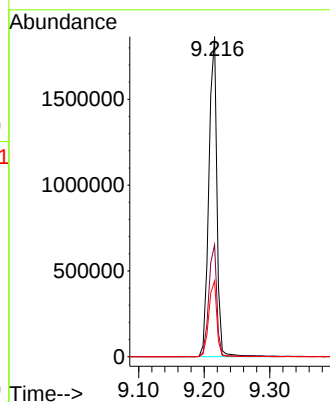
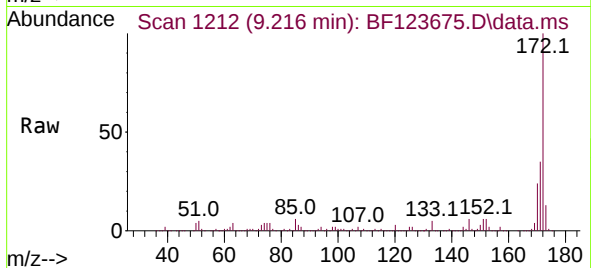




#45
2-Fluorobiphenyl
Concen: 63.63 ng
RT: 9.216 min Scan# 1212
Delta R.T. 0.000 min
Lab File: BF123675.D
Acq: 21 Apr 2021 19:34

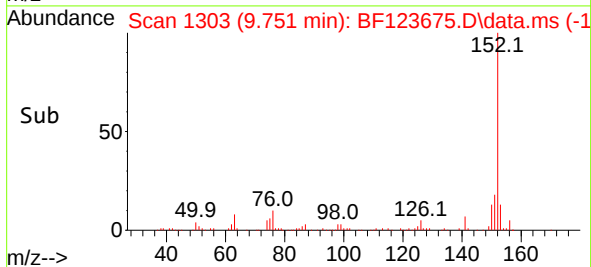
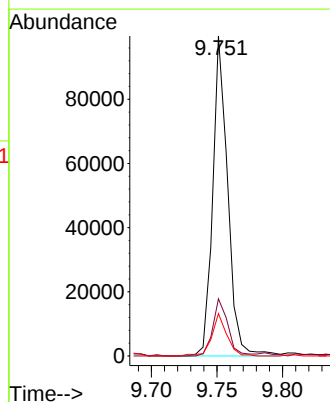
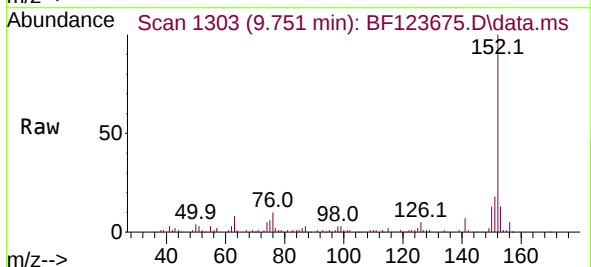
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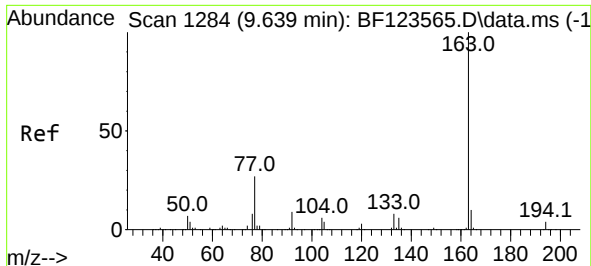
Tgt Ion:172 Resp: 1599766
Ion Ratio Lower Upper
172 100
171 35.0 28.1 42.1
170 23.7 19.2 28.8



#49
Acenaphthylene
Concen: 2.20 ng
RT: 9.751 min Scan# 1303
Delta R.T. -0.006 min
Lab File: BF123675.D
Acq: 21 Apr 2021 19:34

Tgt Ion:152 Resp: 79402
Ion Ratio Lower Upper
152 100
151 17.9 16.0 24.0
153 13.3 10.4 15.6

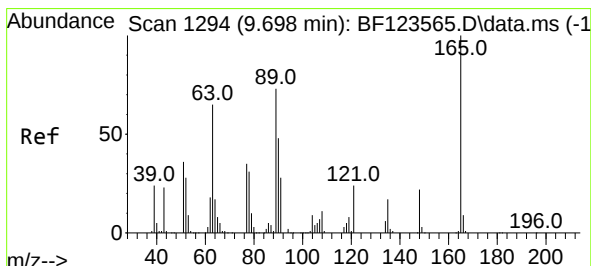
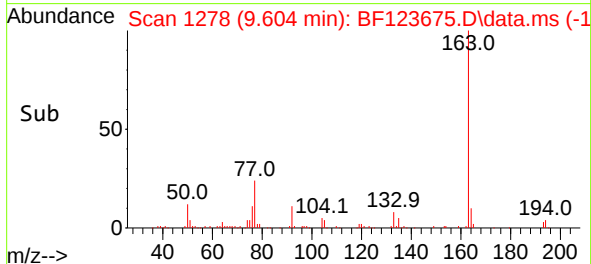
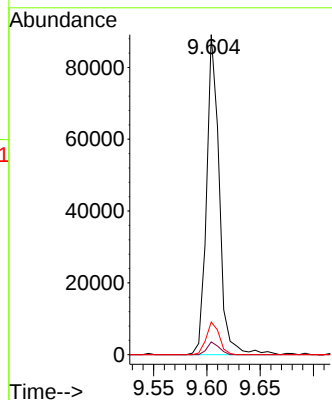
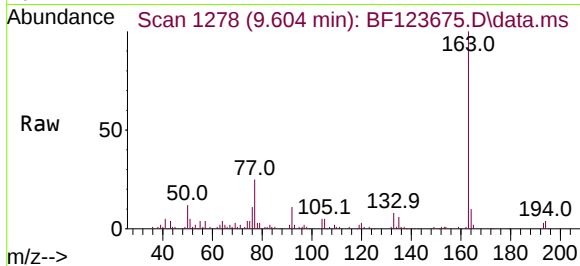




#50
Dimethylphthalate
Concen: 2.87 ng
RT: 9.604 min Scan# 1278
Delta R.T. -0.018 min
Lab File: BF123675.D
Acq: 21 Apr 2021 19:34

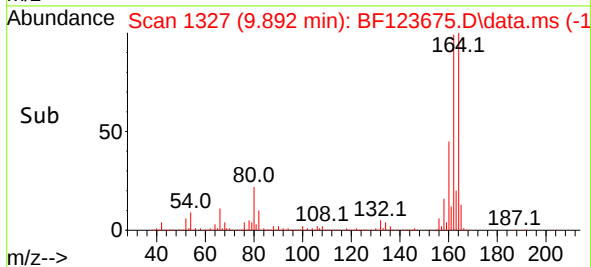
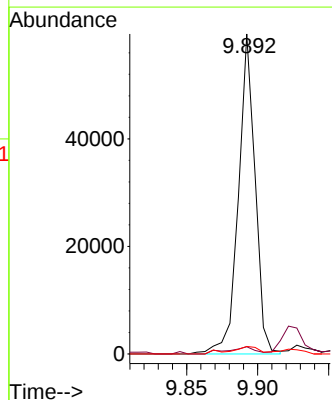
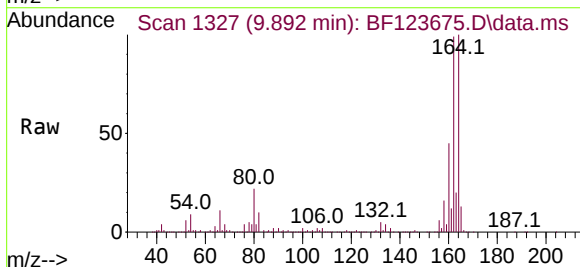
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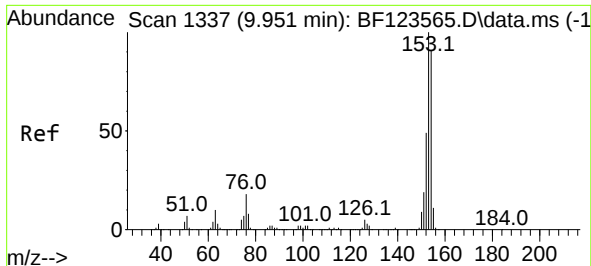
Tgt Ion:163 Resp: 74239
Ion Ratio Lower Upper
163 100
194 4.0 3.1 4.7
164 10.2 8.2 12.2



#51
2,6-Dinitrotoluene
Concen: 8.58 ng
RT: 9.892 min Scan# 1327
Delta R.T. 0.212 min
Lab File: BF123675.D
Acq: 21 Apr 2021 19:34

Tgt Ion:165 Resp: 48790
Ion Ratio Lower Upper
165 100
63 2.2 67.7 101.5#
89 2.3 58.8 88.2#

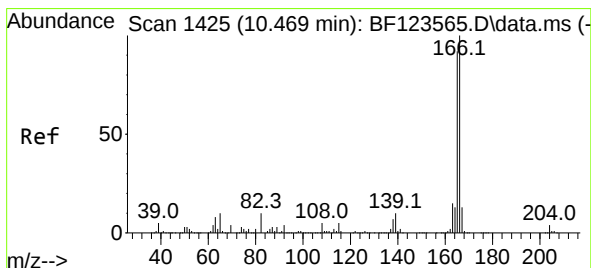
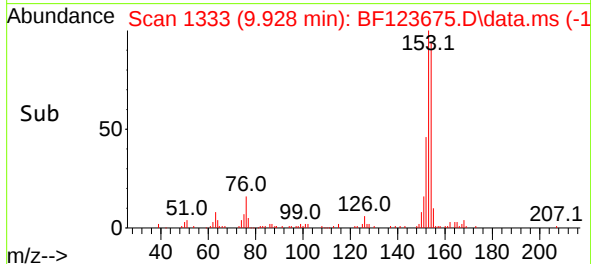
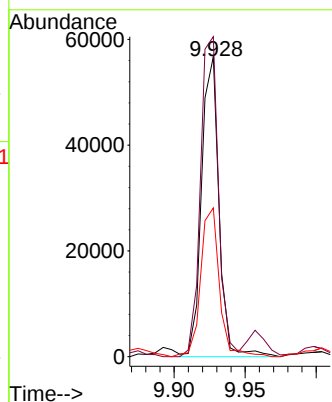
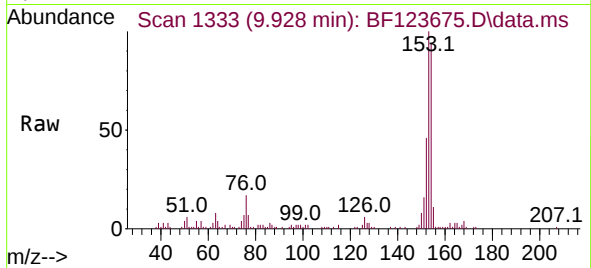




#52
Acenaphthene
Concen: 2.09 ng
RT: 9.928 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF123675.D
Acq: 21 Apr 2021 19:34

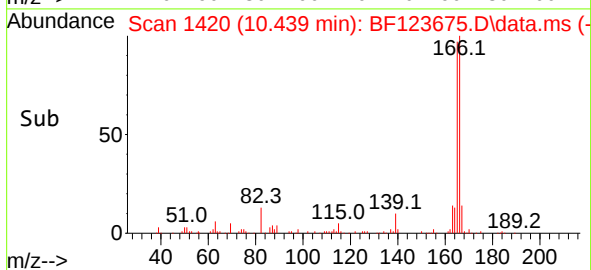
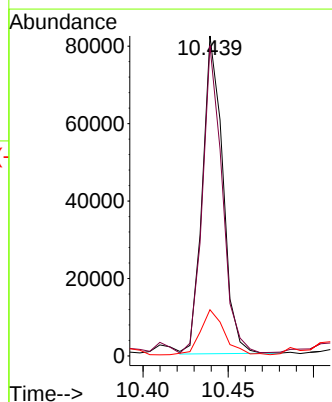
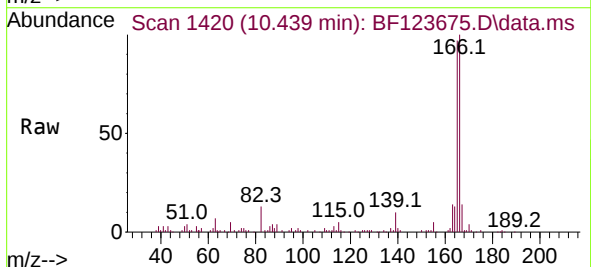
Instrument :
BNA_F
ClientSampleId :
SEDGWICK-COMP-5

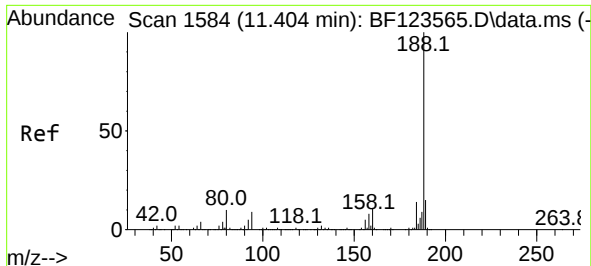
Tgt Ion:154 Resp: 48435
Ion Ratio Lower Upper
154 100
153 106.7 88.1 132.1
152 49.6 43.4 65.0



#58
Fluorene
Concen: 2.61 ng
RT: 10.439 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF123675.D
Acq: 21 Apr 2021 19:34

Tgt Ion:166 Resp: 68241
Ion Ratio Lower Upper
166 100
165 97.0 73.5 110.3
167 14.4 10.7 16.1

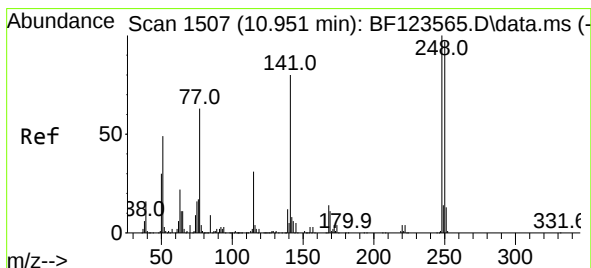
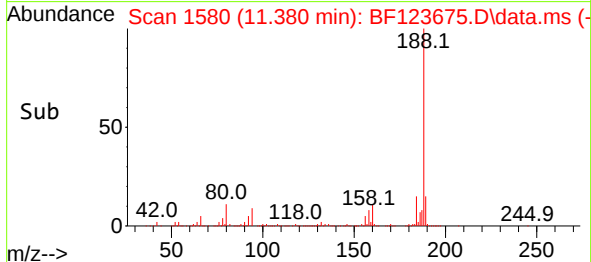
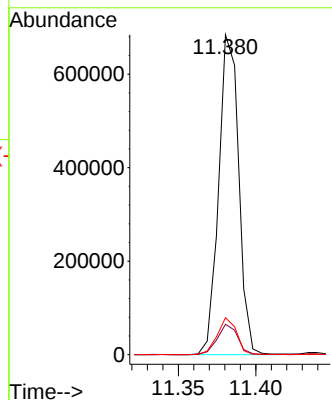
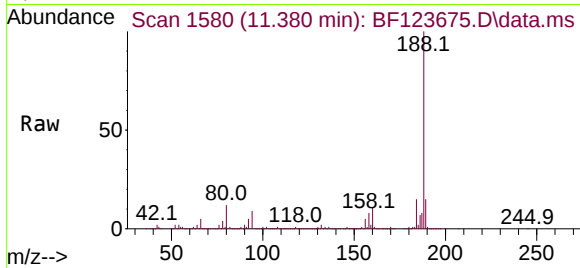




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF123675.D
Acq: 21 Apr 2021 19:34

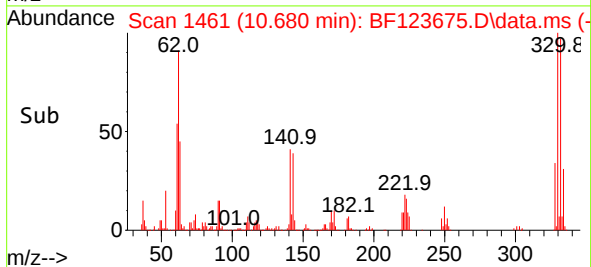
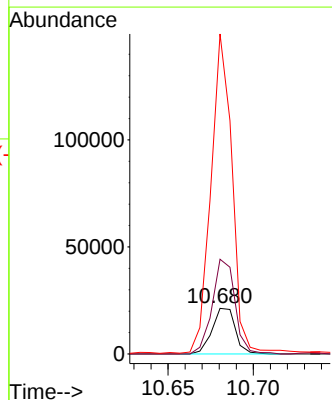
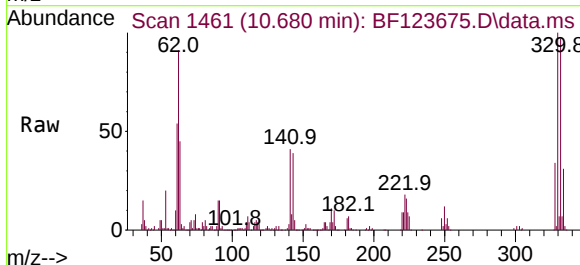
Instrument :
BNA_F
ClientSampleId :
SEDGWICK-COMP-5

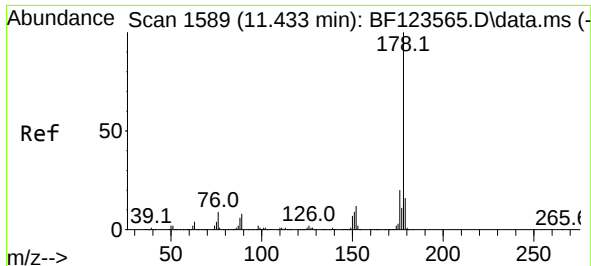
Tgt Ion:188 Resp: 616091
Ion Ratio Lower Upper
188 100
94 9.5 6.9 10.3
80 11.5 8.2 12.2



#67
4-Bromophenyl-phenylether
Concen: 3.14 ng
RT: 10.680 min Scan# 1461
Delta R.T. -0.247 min
Lab File: BF123675.D
Acq: 21 Apr 2021 19:34

Tgt Ion:248 Resp: 20198
Ion Ratio Lower Upper
248 100
250 207.7 77.4 116.2#
141 701.5 63.7 95.5#

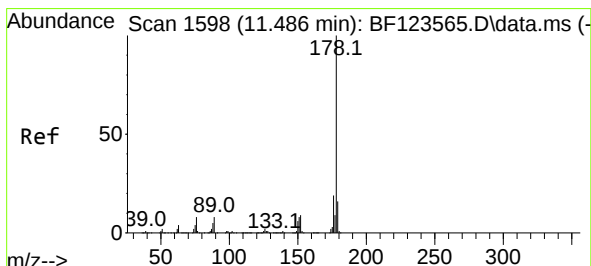
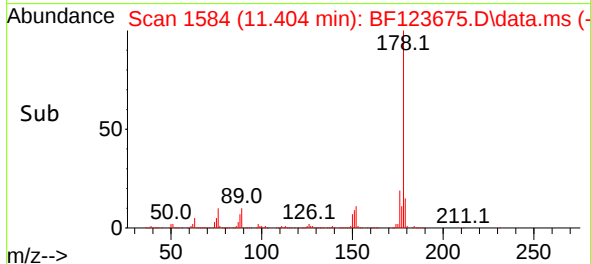
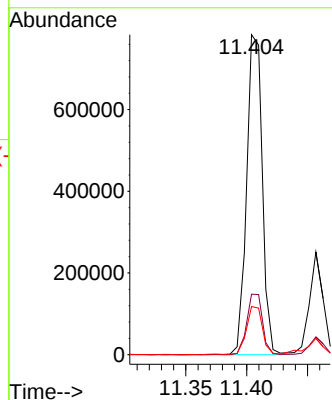
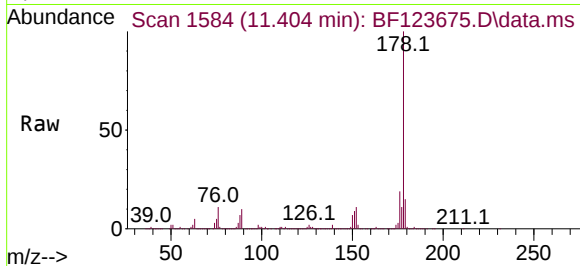




#71
Phenanthrene
Concen: 21.86 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF123675.D
Acq: 21 Apr 2021 19:34

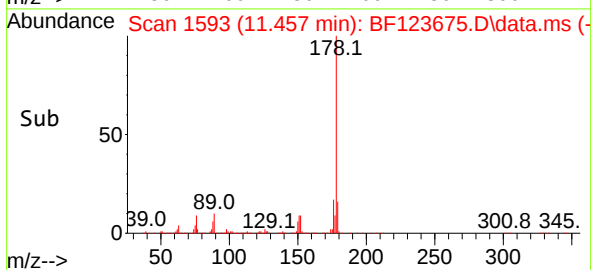
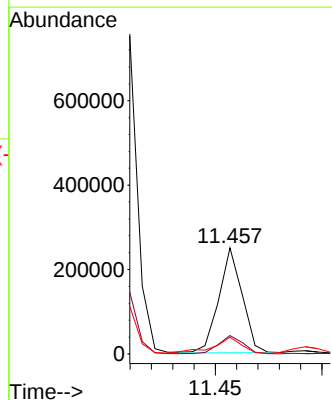
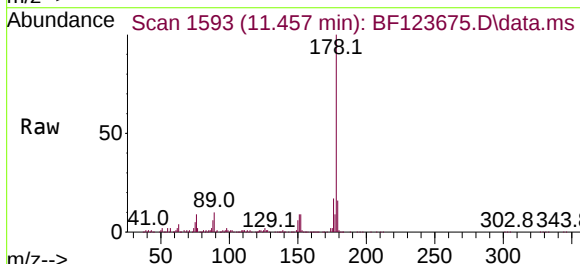
Instrument :
BNA_F
ClientSampleId :
SEDGWICK-COMP-5

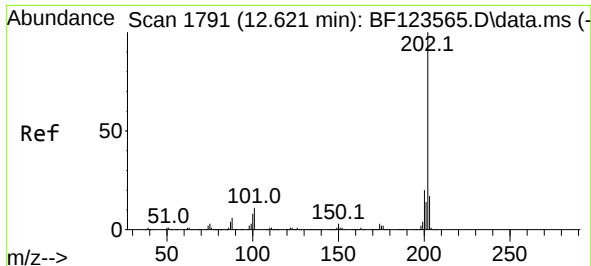
Tgt Ion:178 Resp: 702919
Ion Ratio Lower Upper
178 100
176 18.9 15.6 23.4
179 15.1 12.5 18.7



#72
Anthracene
Concen: 5.89 ng
RT: 11.457 min Scan# 1593
Delta R.T. -0.006 min
Lab File: BF123675.D
Acq: 21 Apr 2021 19:34

Tgt Ion:178 Resp: 189417
Ion Ratio Lower Upper
178 100
176 17.3 15.4 23.0
179 15.9 12.6 18.8

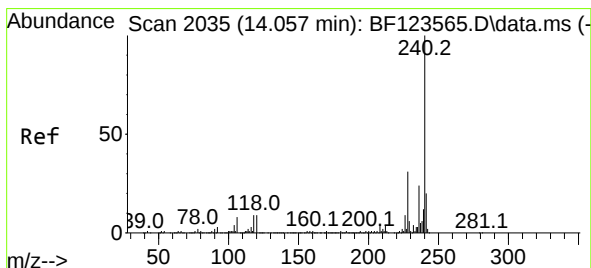
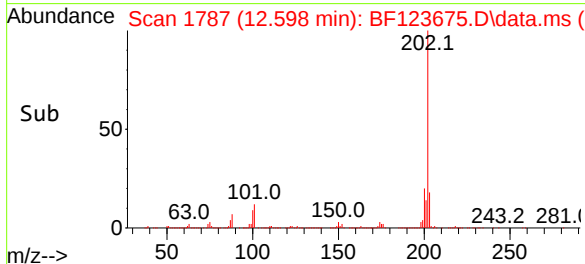
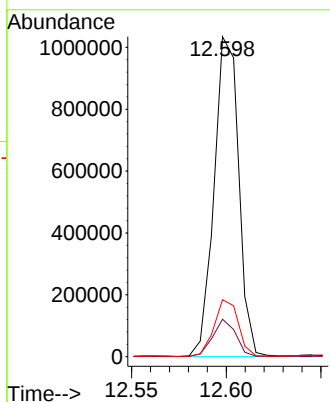
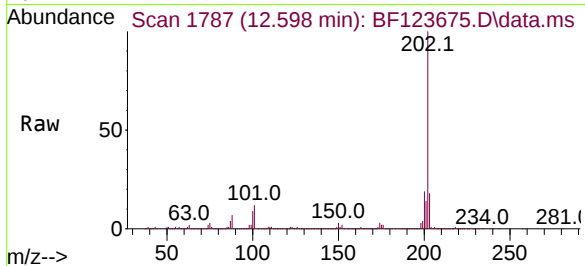




#75
Fluoranthene
Concen: 26.47 ng
RT: 12.598 min Scan# 1787
Delta R.T. -0.006 min
Lab File: BF123675.D
Acq: 21 Apr 2021 19:34

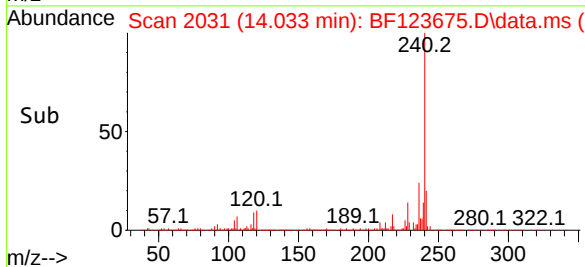
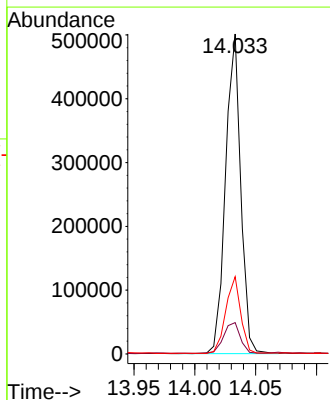
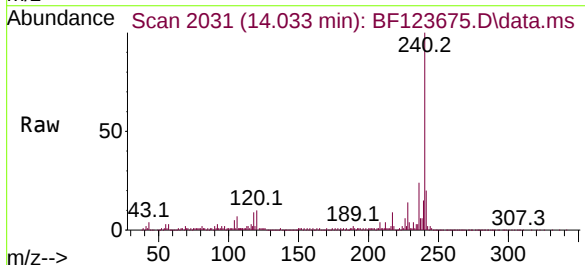
Instrument :
BNA_F
ClientSampleId :
SEDGWICK-COMP-5

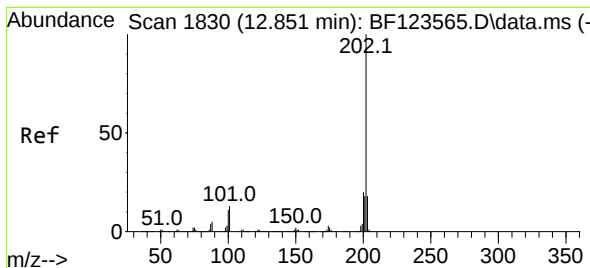
Tgt Ion:202 Resp: 935400
Ion Ratio Lower Upper
202 100
101 11.7 0.0 30.9
203 17.8 0.0 37.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF123675.D
Acq: 21 Apr 2021 19:34

Tgt Ion:240 Resp: 435000
Ion Ratio Lower Upper
240 100
120 9.8 7.2 10.8
236 24.1 19.0 28.4





#78

Pyrene

Concen: 26.68 ng

RT: 12.827 min Scan# 1826

Delta R.T. -0.006 min

Lab File: BF123675.D

Acq: 21 Apr 2021 19:34

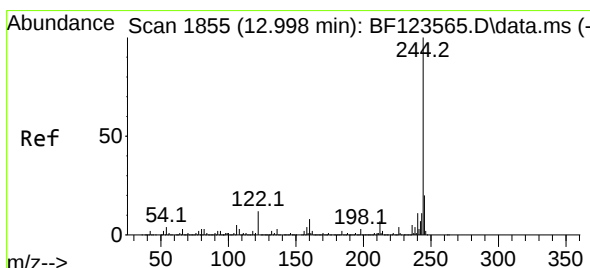
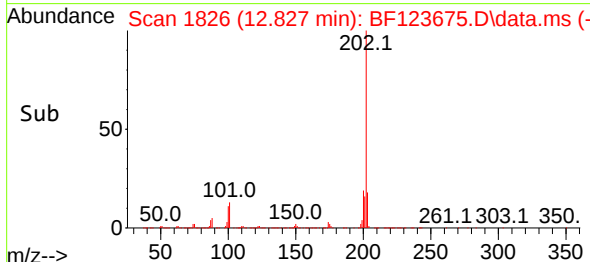
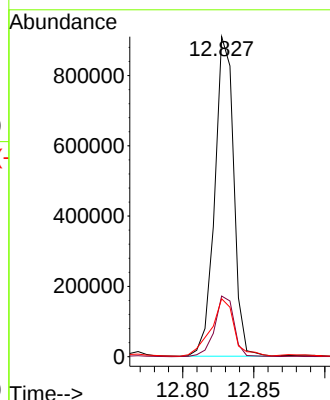
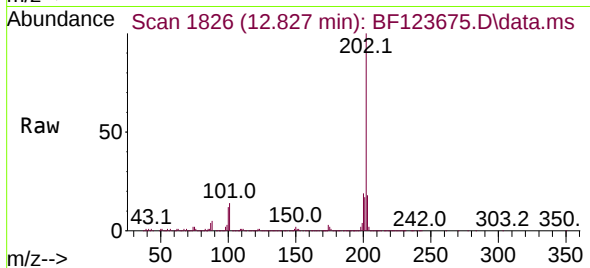
Tgt Ion:202 Resp: 846938

Ion Ratio Lower Upper

202 100

200 19.0 16.1 24.1

203 18.1 14.8 22.2



#79

Terphenyl-d14

Concen: 52.39 ng

RT: 12.974 min Scan# 1851

Delta R.T. 0.000 min

Lab File: BF123675.D

Acq: 21 Apr 2021 19:34

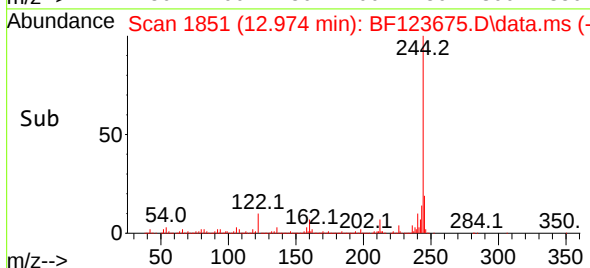
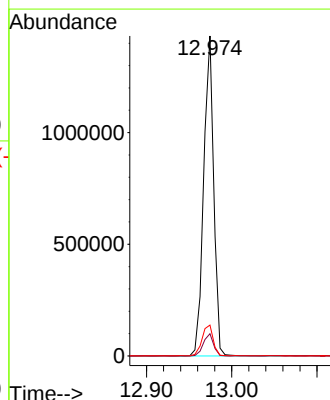
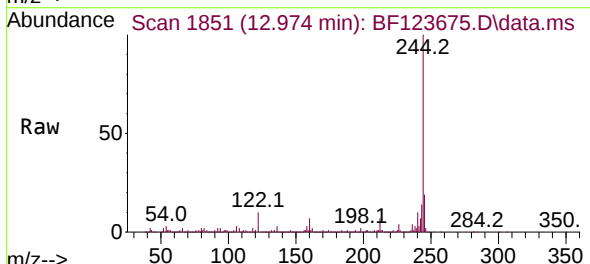
Tgt Ion:244 Resp: 1172562

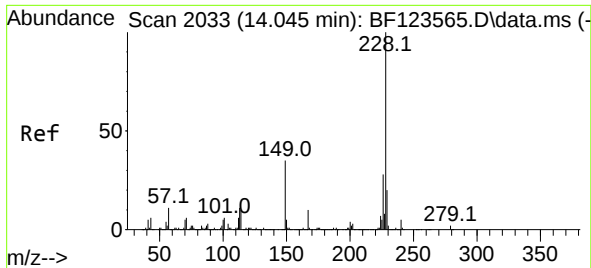
Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

122 9.7 9.7 14.5#

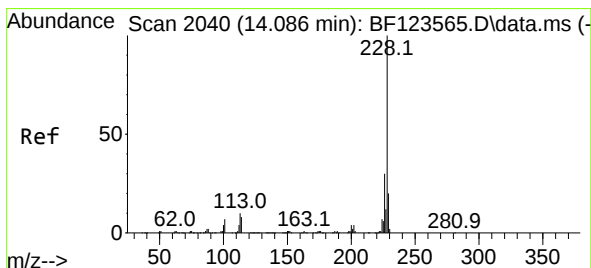
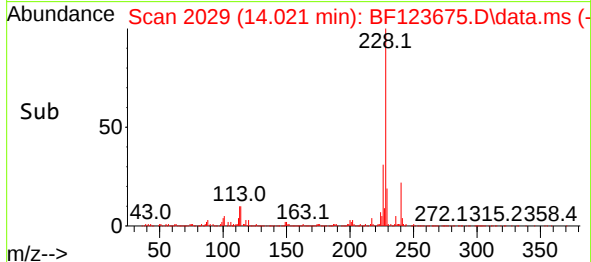
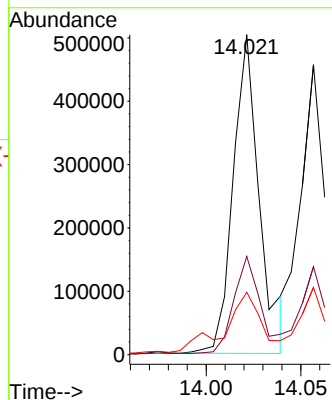
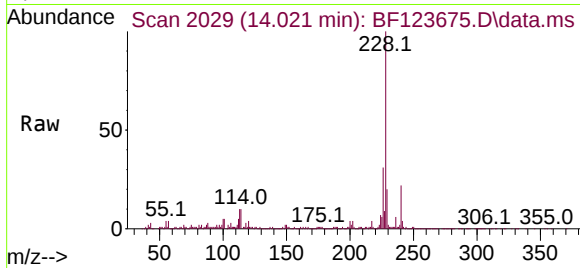




#81
Benzo(a)anthracene
Concen: 18.13 ng
RT: 14.021 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF123675.D
Acq: 21 Apr 2021 19:34

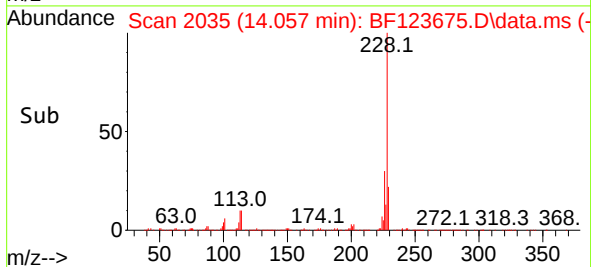
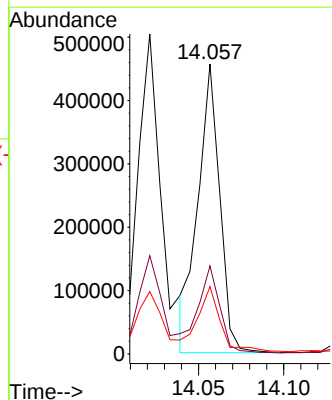
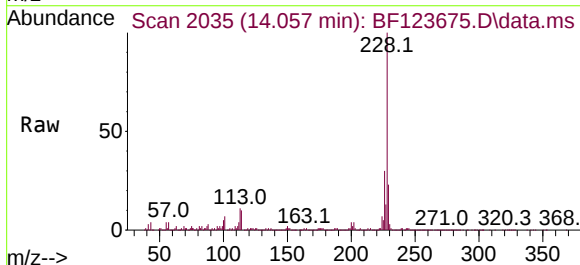
Instrument :
BNA_F
ClientSampleId :
SEDGWICK-COMP-5

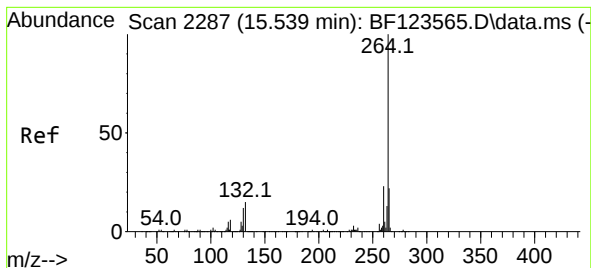
Tgt Ion:228 Resp: 483255
Ion Ratio Lower Upper
228 100
226 30.7 22.4 33.6
229 19.5 16.0 24.0



#83
Chrysene
Concen: 15.14 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BF123675.D
Acq: 21 Apr 2021 19:34

Tgt Ion:228 Resp: 405398
Ion Ratio Lower Upper
228 100
226 30.4 24.3 36.5
229 23.2 16.2 24.2

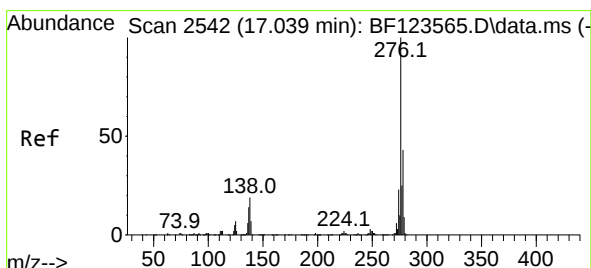
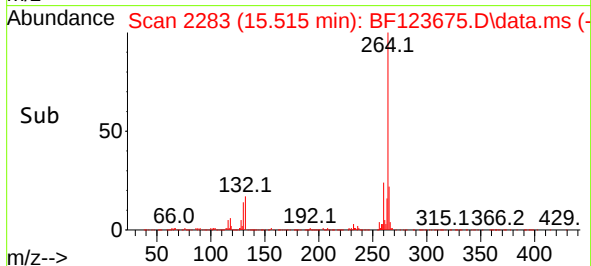
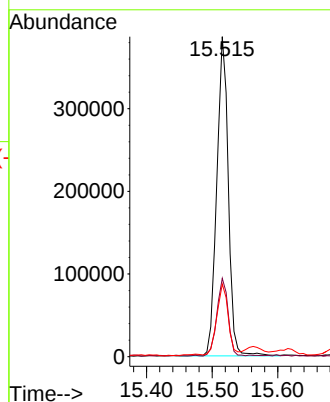
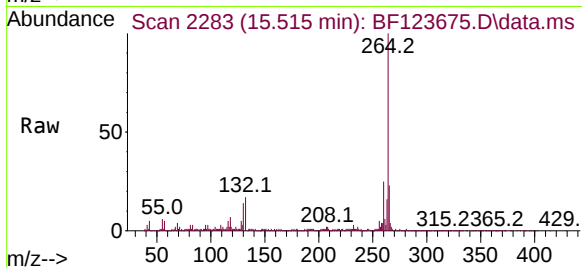




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.515 min Scan# 2283
Delta R.T. 0.012 min
Lab File: BF123675.D
Acq: 21 Apr 2021 19:34

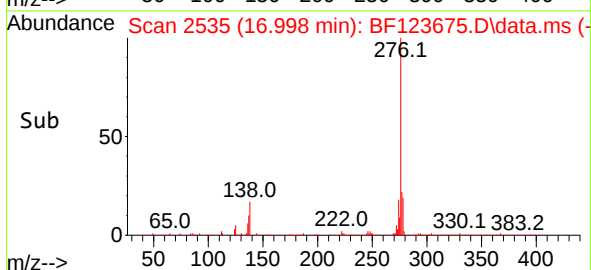
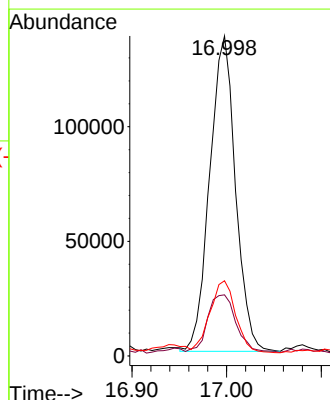
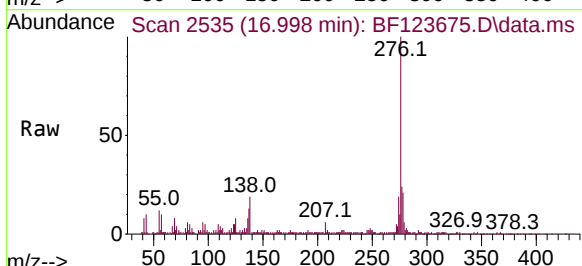
Instrument :
BNA_F
ClientSampleId :
SEDGWICK-COMP-5

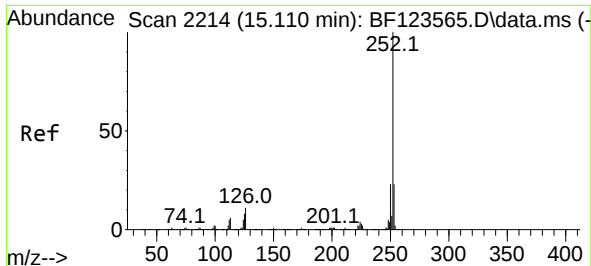
Tgt Ion:264 Resp: 471416
Ion Ratio Lower Upper
264 100
260 24.5 18.7 28.1
265 22.7 17.8 26.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 10.36 ng
RT: 16.998 min Scan# 2535
Delta R.T. 0.012 min
Lab File: BF123675.D
Acq: 21 Apr 2021 19:34

Tgt Ion:276 Resp: 260485
Ion Ratio Lower Upper
276 100
138 20.1 16.2 24.2
277 22.9 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 25.18 ng

RT: 15.080 min Scan# 2209

Delta R.T. 0.006 min

Lab File: BF123675.D

Acq: 21 Apr 2021 19:34

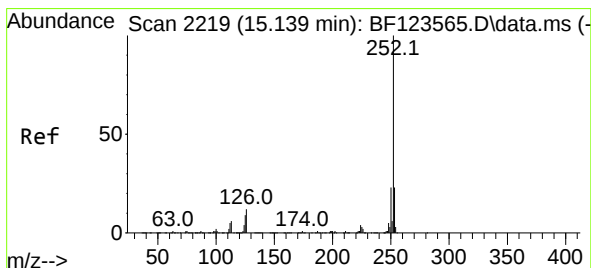
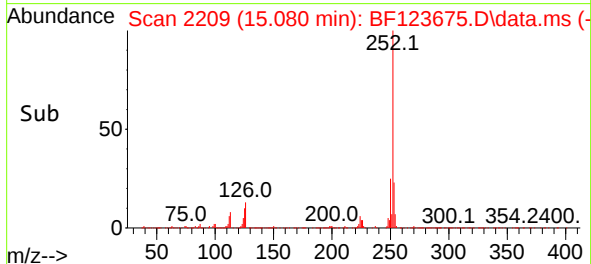
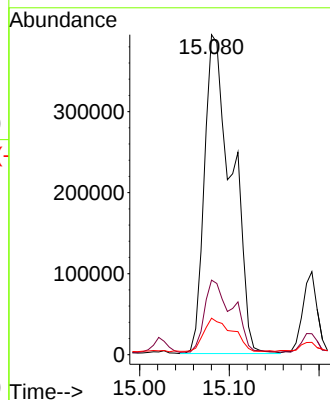
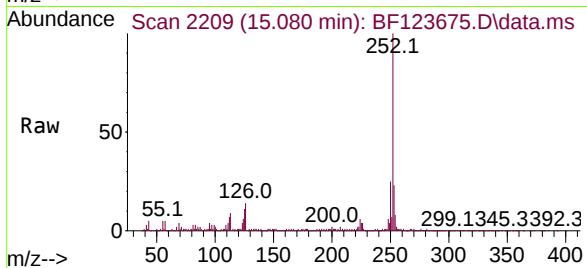
Instrument :

BNA_F

ClientSampleId :

SEDGWICK-COMP-5

Tgt Ion:252 Resp: 837977
 Ion Ratio Lower Upper
 252 100
 253 23.3 18.1 27.1
 125 11.4 6.2 9.4#



#89

Benzo(k)fluoranthene

Concen: 27.49 ng

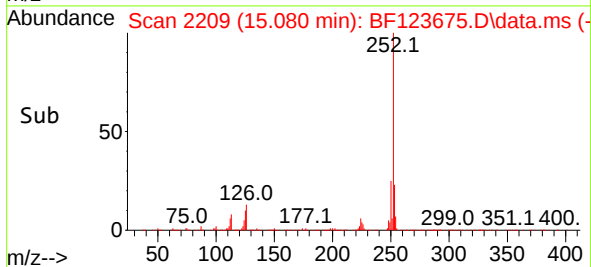
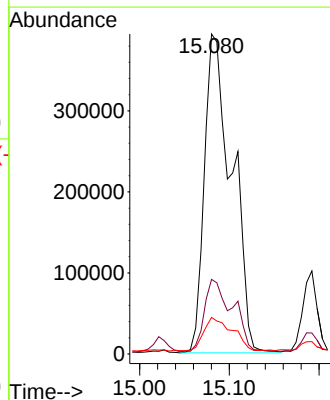
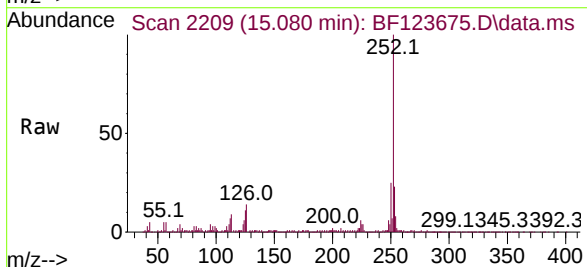
RT: 15.080 min Scan# 2209

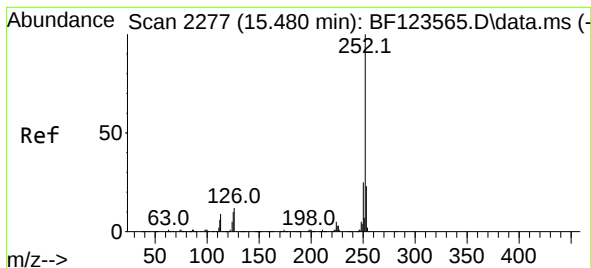
Delta R.T. -0.029 min

Lab File: BF123675.D

Acq: 21 Apr 2021 19:34

Tgt Ion:252 Resp: 837977
 Ion Ratio Lower Upper
 252 100
 253 23.3 17.9 26.9
 125 11.4 7.0 10.6#





#90

Benzo(a)pyrene

Concen: 17.42 ng

RT: 15.451 min Scan# 2272

Delta R.T. 0.006 min

Lab File: BF123675.D

Acq: 21 Apr 2021 19:34

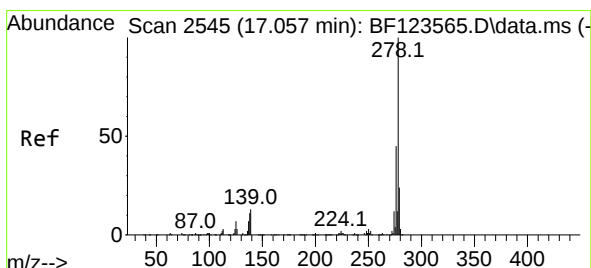
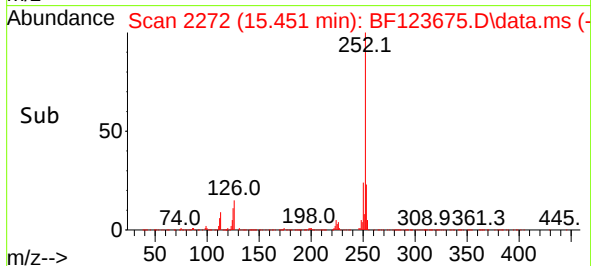
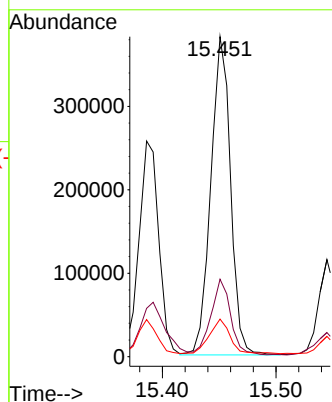
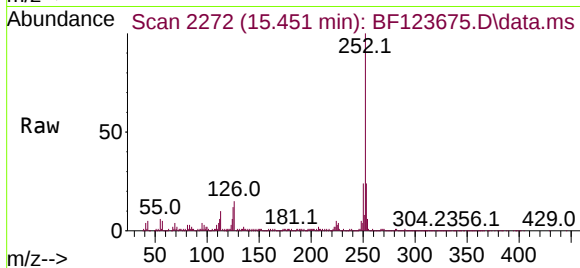
Tgt Ion:252	Resp:	461176
Ion Ratio	Lower	Upper
252	100	
253	24.2	18.4 27.6
125	11.8	8.0 12.0

Instrument :

BNA_F

ClientSampleId :

SEDGWICK-COMP-5



#91

Dibenzo(a,h)anthracene

Concen: 3.14 ng

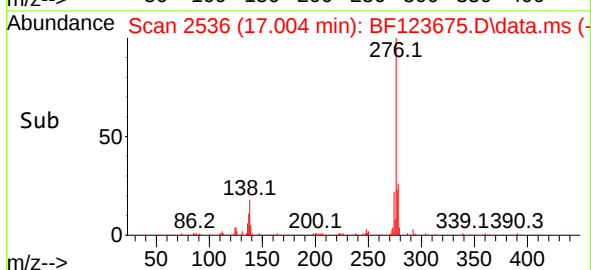
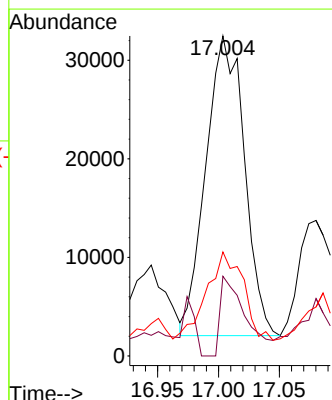
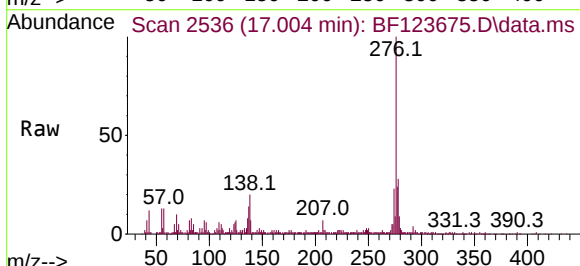
RT: 17.004 min Scan# 2536

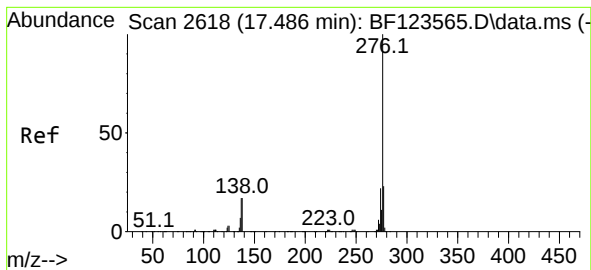
Delta R.T. 0.000 min

Lab File: BF123675.D

Acq: 21 Apr 2021 19:34

Tgt Ion:278	Resp:	66723
Ion Ratio	Lower	Upper
278	100	
139	24.9	10.2 15.2#
279	32.5	19.4 29.0#





#92
 Benzo(g,h,i)perylene
 Concen: 13.03 ng
 RT: 17.445 min Scan# 2611
 Delta R.T. 0.006 min
 Lab File: BF123675.D
 Acq: 21 Apr 2021 19:34

Instrument :
 BNA_F
 ClientSampleId :
 SEDGWICK-COMP-5

Tgt Ion:276 Resp: 225648

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.2	27.2
138	18.5	13.8	20.6

