

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030321\
 Data File : BF123365.D
 Acq On : 3 Mar 2021 20:20
 Operator : JU/CG
 Sample : M1539-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-030221

Quant Time: Mar 03 23:54:47 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF021921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 03 13:18:24 2021
 Response via : Initial Calibration

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

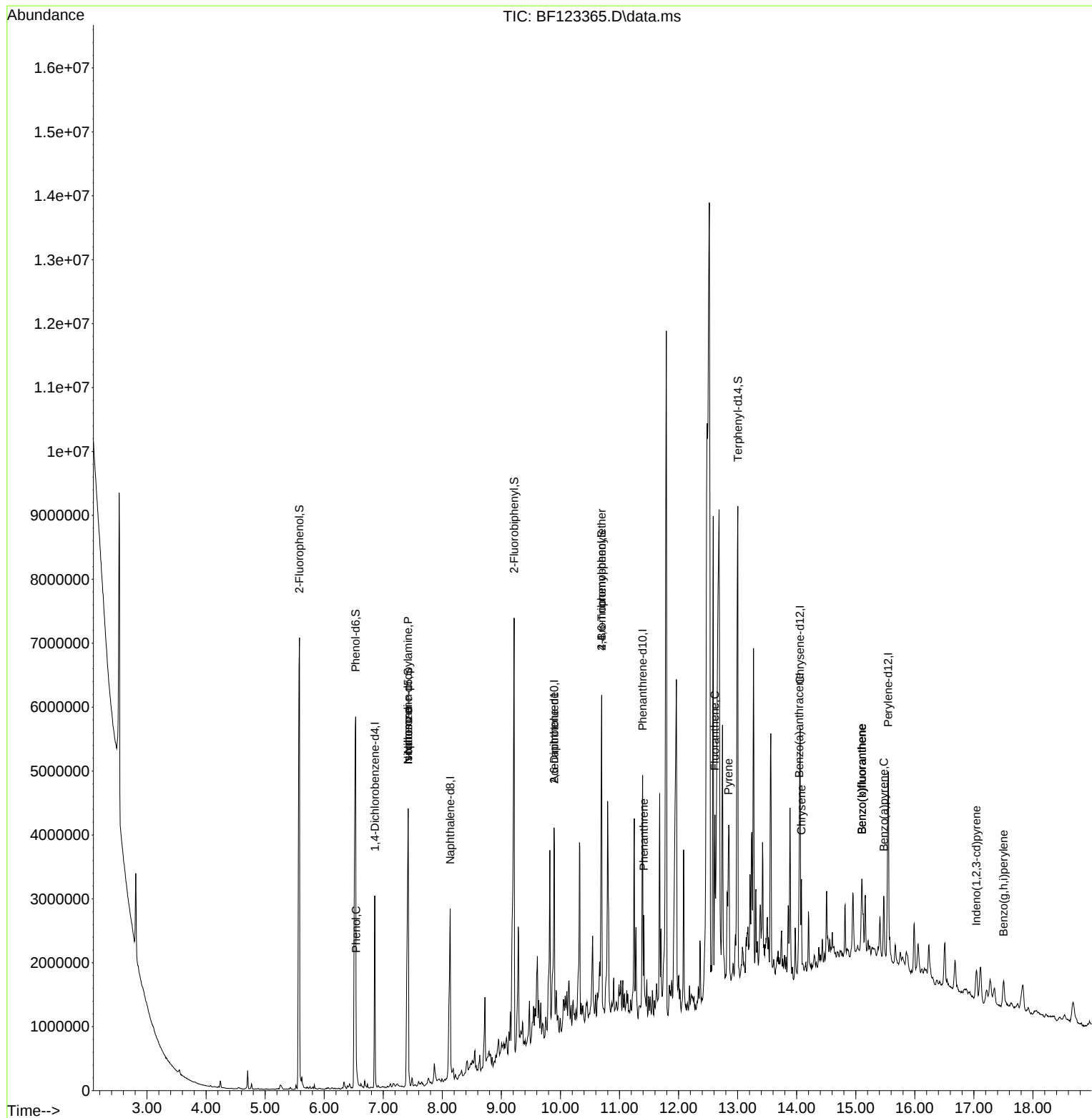
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	422523	20.00	ng	0.01
21) Naphthalene-d8	8.133	136	1699074	20.00	ng	# 0.00
39) Acenaphthene-d10	9.892	164	851429	20.00	ng	0.00
64) Phenanthrene-d10	11.392	188	1516056	20.00	ng	0.01
76) Chrysene-d12	14.057	240	1314464	20.00	ng	0.02
86) Perylene-d12	15.551	264	1243846	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	2487055	84.73	ng	0.11
7) Phenol-d6	6.534	99	3396194	85.16	ng	0.05
23) Nitrobenzene-d5	7.422	82	2380815	64.14	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	828797	95.60	ng	0.02
45) 2-Fluorobiphenyl	9.216	172	3549332	59.88	ng	0.00
79) Terphenyl-d14	13.004	244	3427798	50.14	ng	0.04
Target Compounds						Qvalue
9) Benzaldehyde	6.422	77	3045	Below Cal	#	36
10) Phenol	6.539	94	92057	2.12	ng	85
19) n-Nitroso-di-n-propyla...	7.422	70	344468	14.52	ng	# 81
25) Isophorone	7.422	82	2177166	31.37	ng	# 65
51) 2,6-Dinitrotoluene	9.892	165	126712	8.64	ng	# 34
67) 4-Bromophenyl-phenylether	10.698	248	56490	3.42	ng	# 1
71) Phenanthrene	11.410	178	516770	5.76	ng	99
75) Fluoranthene	12.615	202	920949	9.69	ng	98
78) Pyrene	12.845	202	921093	8.98	ng	99
81) Benzo(a)anthracene	14.045	228	527659	5.91	ng	96
83) Chrysene	14.080	228	517174	5.89	ng	97
87) Indeno(1,2,3-cd)pyrene	17.045	276	328791	3.82	ng	94
88) Benzo(b)fluoranthene	15.104	252	901203	10.32	ng	# 94
89) Benzo(k)fluoranthene	15.104	252	901203	11.38	ng	# 94
90) Benzo(a)pyrene	15.474	252	485946	6.24	ng	# 93
92) Benzo(g,h,i)perylene	17.503	276	318560	4.69	ng	97

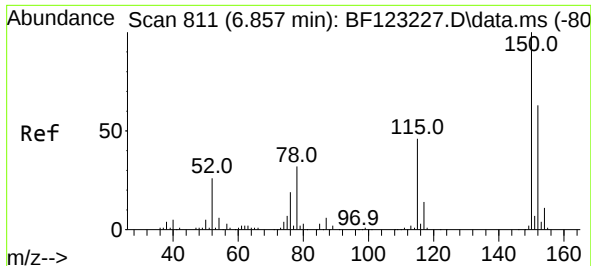
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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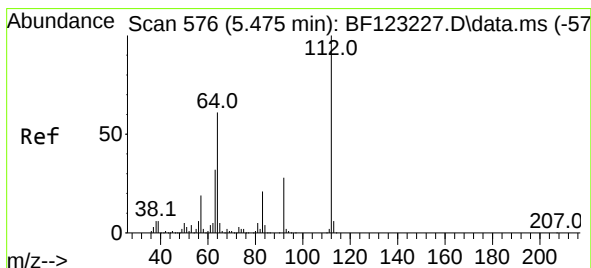
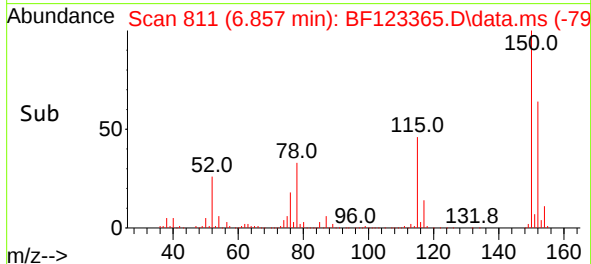
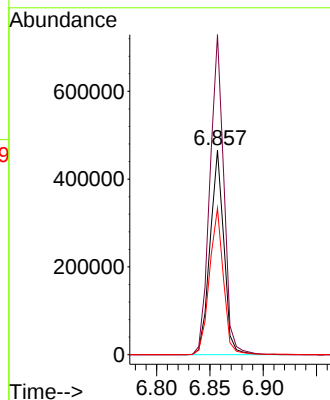
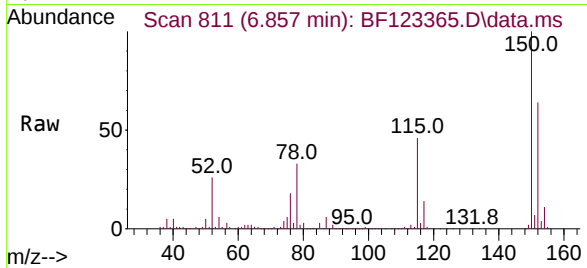




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.857 min Scan# 811
Delta R.T. 0.012 min
Lab File: BF123365.D
Acq: 3 Mar 2021 20:20

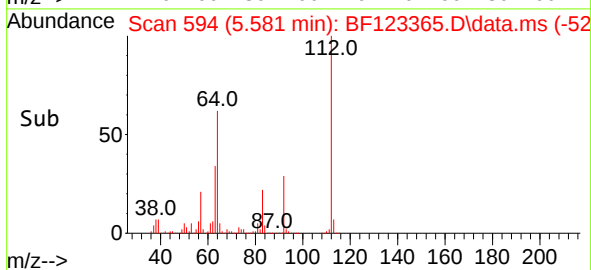
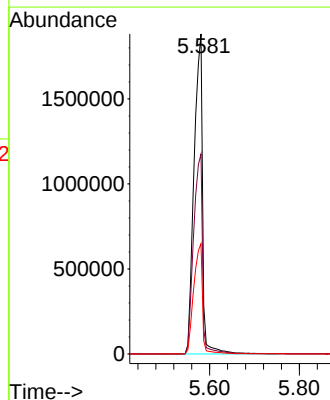
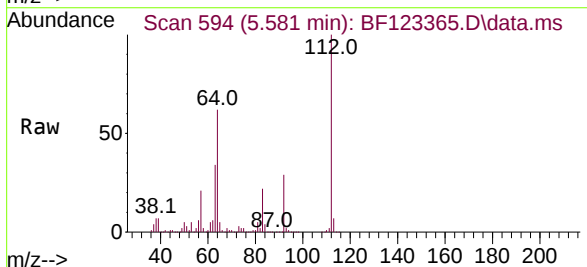
Instrument :
BNA_F
ClientSampleId :
JC-02-030221

Tgt Ion:152 Resp: 422523
Ion Ratio Lower Upper
152 100
150 156.4 125.8 188.6
115 71.6 49.3 73.9



#5
2-Fluorophenol
Concen: 84.73 ng
RT: 5.581 min Scan# 594
Delta R.T. 0.112 min
Lab File: BF123365.D
Acq: 3 Mar 2021 20:20

Tgt Ion:112 Resp: 2487055
Ion Ratio Lower Upper
112 100
64 62.5 46.9 70.3
63 34.5 24.5 36.7

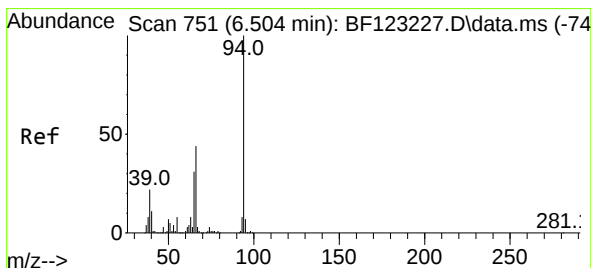
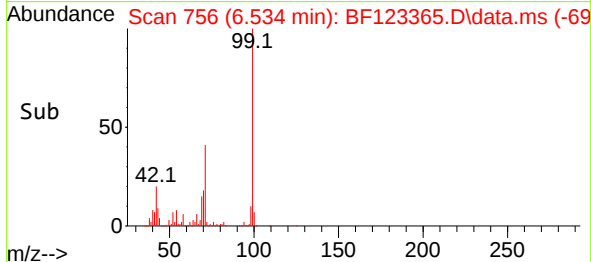
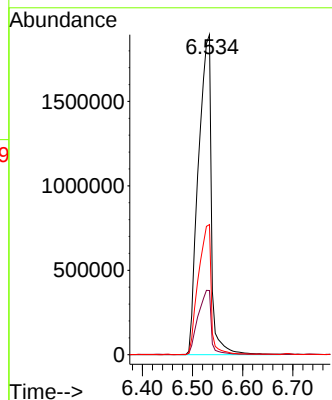
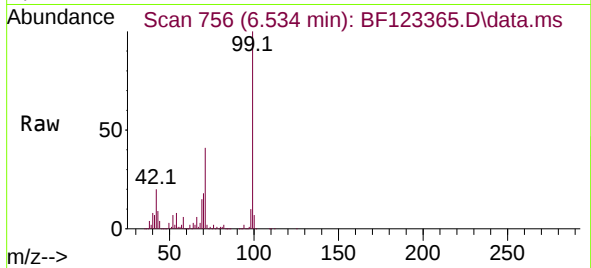




#7
Phenol-d6
Concen: 85.16 ng
RT: 6.534 min Scan# 756
Delta R.T. 0.047 min
Lab File: BF123365.D
Acq: 3 Mar 2021 20:20

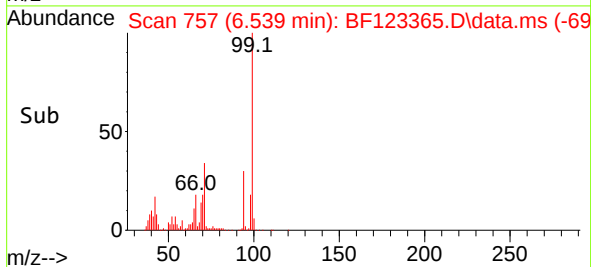
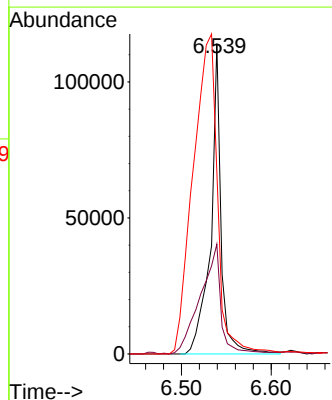
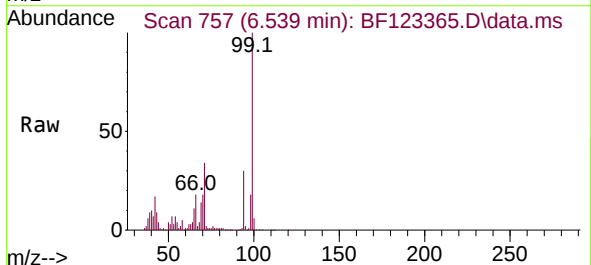
Instrument :
BNA_F
ClientSampleId :
JC-02-030221

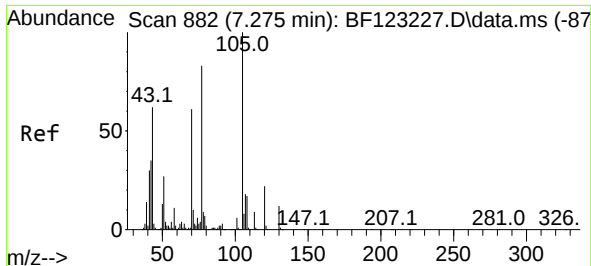
Tgt Ion: 99 Resp: 3396194
Ion Ratio Lower Upper
99 100
42 20.1 13.8 20.6
71 40.7 26.9 40.3#



#10
Phenol
Concen: 2.12 ng
RT: 6.539 min Scan# 757
Delta R.T. 0.041 min
Lab File: BF123365.D
Acq: 3 Mar 2021 20:20

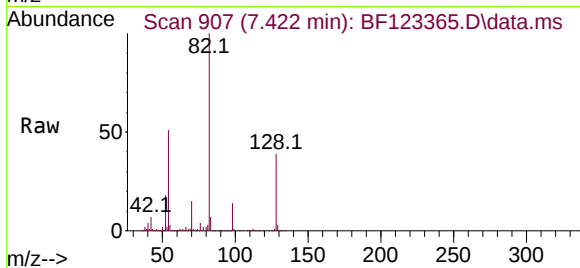
Tgt Ion: 94 Resp: 92057
Ion Ratio Lower Upper
94 100
65 35.4 11.2 51.2
66 58.8 25.8 65.8



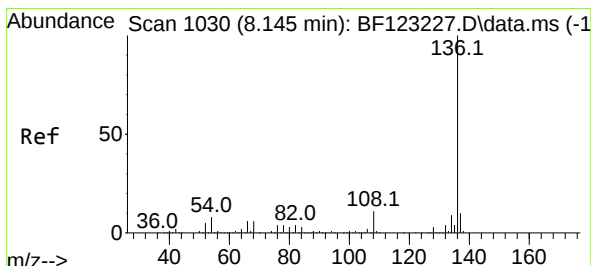
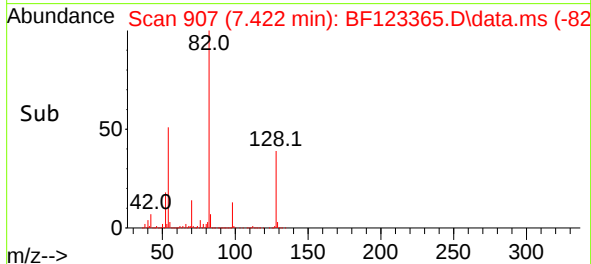
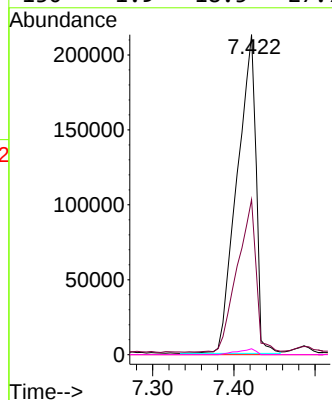


#19
n-Nitroso-di-n-propylamine
Concen: 14.52 ng
RT: 7.422 min Scan# 907
Delta R.T. 0.159 min
Lab File: BF123365.D
Acq: 3 Mar 2021 20:20

Instrument :
BNA_F
ClientSampleId :
JC-02-030221

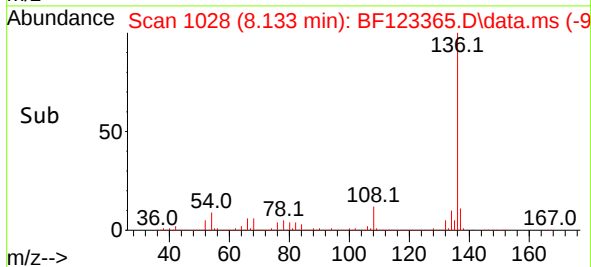
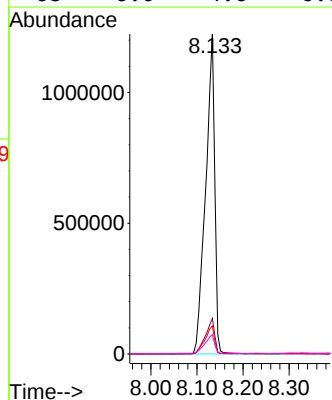
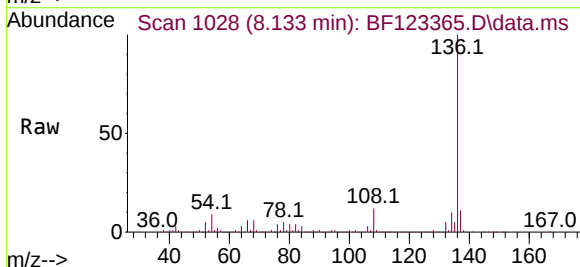


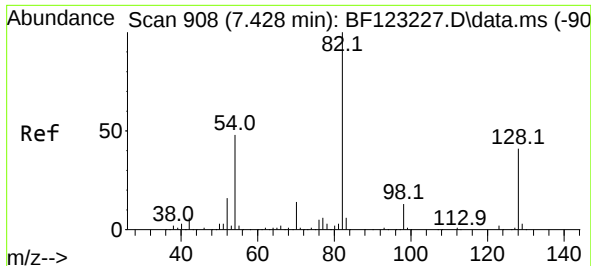
Tgt Ion: 70 Resp: 344468
Ion Ratio Lower Upper
70 100
42 48.4 43.0 64.4
101 0.0 7.9 11.9#
130 1.9 18.5 27.7#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.133 min Scan# 1028
Delta R.T. 0.006 min
Lab File: BF123365.D
Acq: 3 Mar 2021 20:20

Tgt Ion: 136 Resp: 1699074
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 8.7 5.5 8.3#
68 6.0 4.6 6.8





#23

Nitrobenzene-d5

Concen: 64.14 ng

RT: 7.422 min Scan# 907

Delta R.T. 0.006 min

Lab File: BF123365.D

Acq: 3 Mar 2021 20:20

Tgt Ion: 82 Resp: 2380815

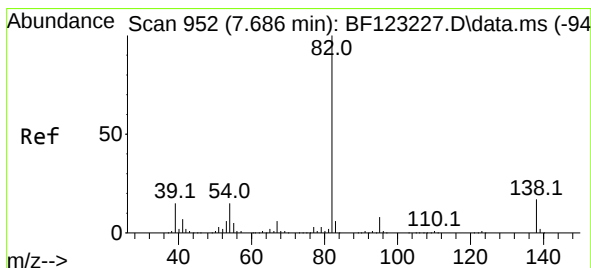
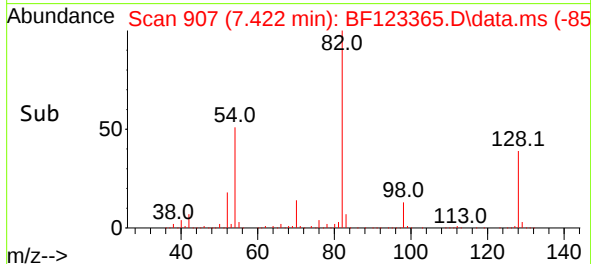
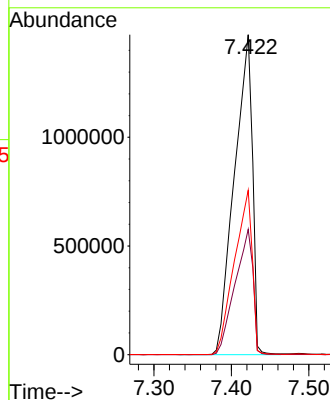
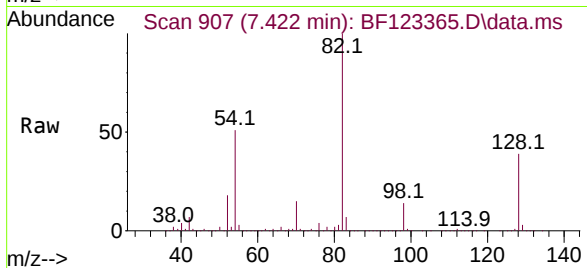
Ion	Ratio	Lower	Upper
82	100		
128	39.2	37.0	55.4
54	51.4	38.4	57.6

Instrument :

BNA_F

ClientSampleId :

JC-02-030221



#25

Isophorone

Concen: 31.37 ng

RT: 7.422 min Scan# 907

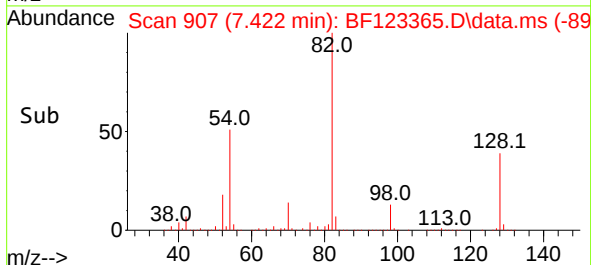
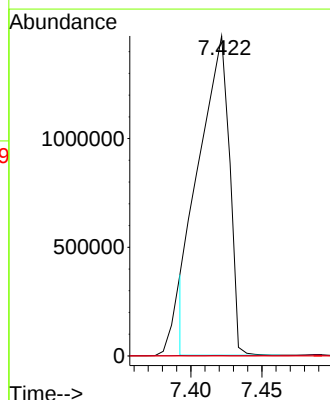
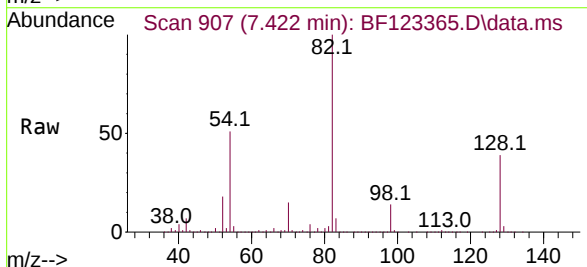
Delta R.T. -0.253 min

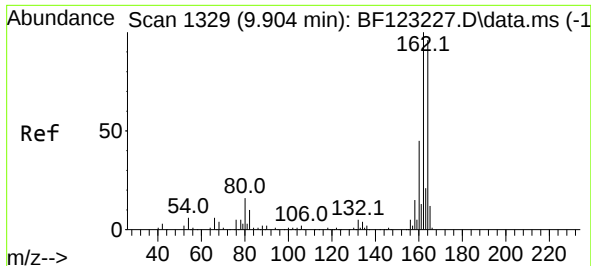
Lab File: BF123365.D

Acq: 3 Mar 2021 20:20

Tgt Ion: 82 Resp: 2177166

Ion	Ratio	Lower	Upper
82	100		
95	0.1	5.8	8.6#
138	0.0	14.6	21.8#

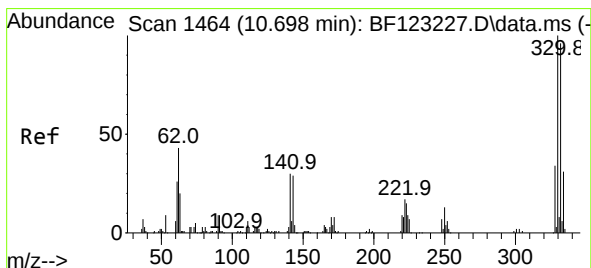
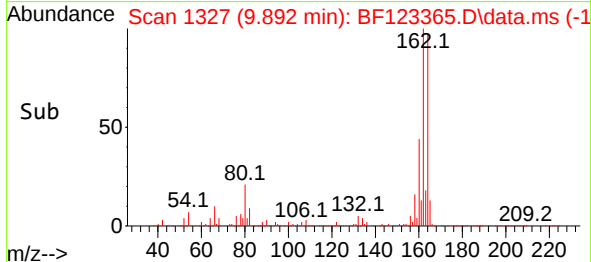
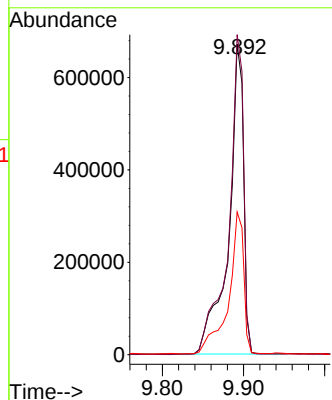
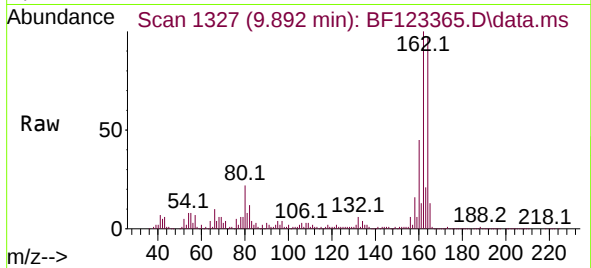




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.892 min Scan# 1327
Delta R.T. 0.006 min
Lab File: BF123365.D
Acq: 3 Mar 2021 20:20

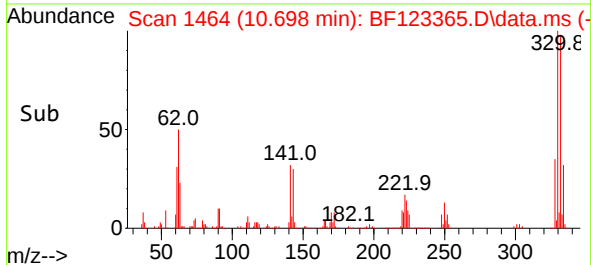
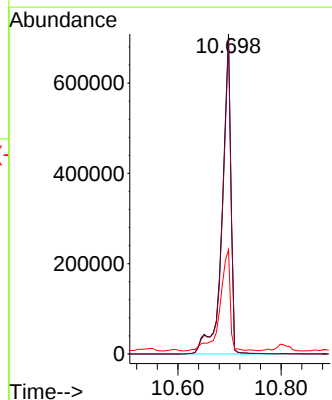
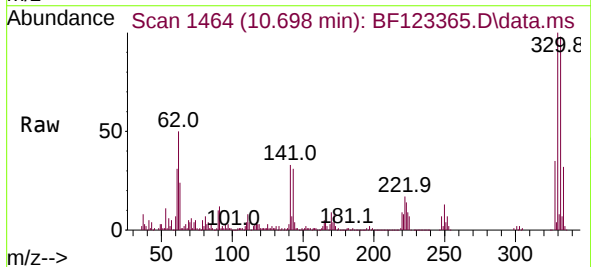
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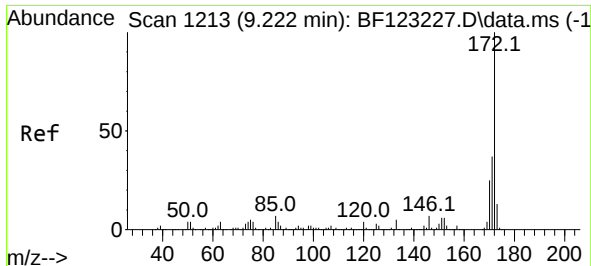
Tgt Ion:164 Resp: 851429
Ion Ratio Lower Upper
164 100
162 103.0 80.8 121.2
160 46.0 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 95.60 ng
RT: 10.698 min Scan# 1464
Delta R.T. 0.017 min
Lab File: BF123365.D
Acq: 3 Mar 2021 20:20

Tgt Ion:330 Resp: 828797
Ion Ratio Lower Upper
330 100
332 96.9 77.5 116.3
141 36.9 23.8 35.8#

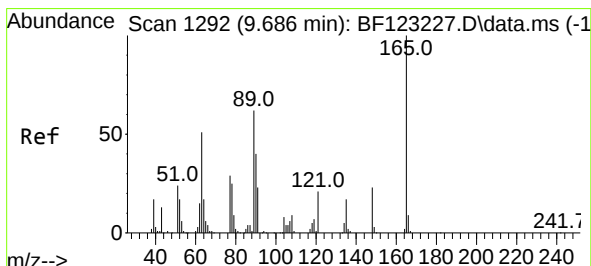
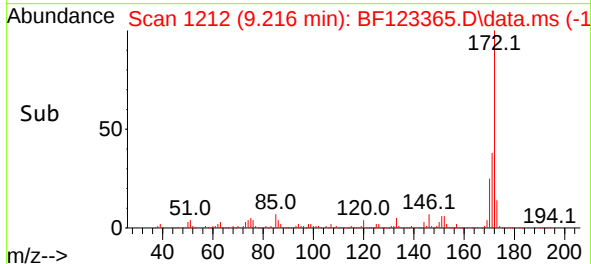
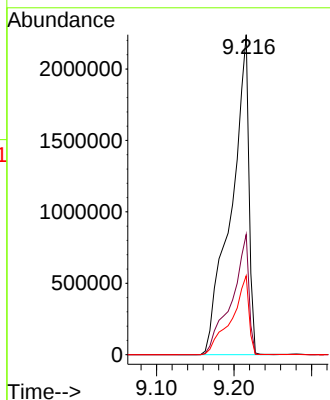
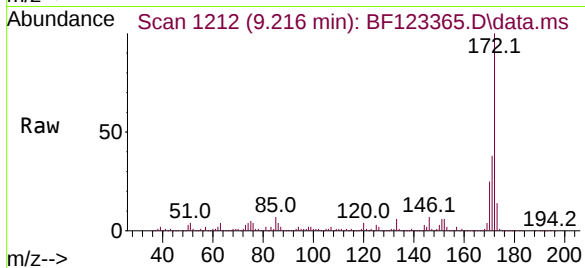




#45
2-Fluorobiphenyl
Concen: 59.88 ng
RT: 9.216 min Scan# 1212
Delta R.T. 0.006 min
Lab File: BF123365.D
Acq: 3 Mar 2021 20:20

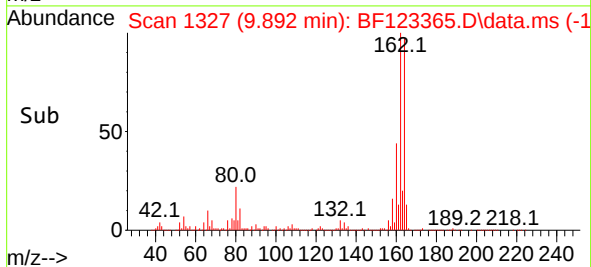
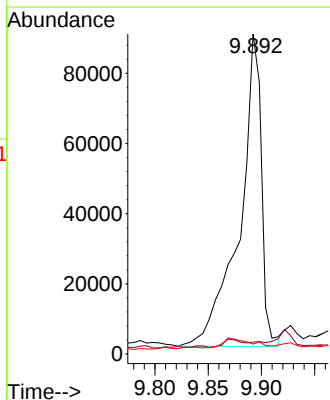
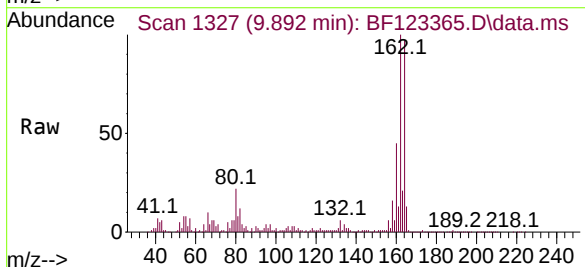
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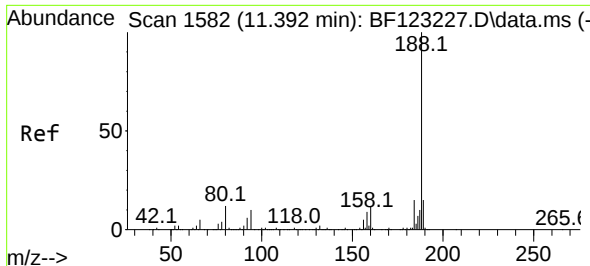
Tgt Ion:172 Resp: 3549332
Ion Ratio Lower Upper
172 100
171 37.5 29.6 44.4
170 24.7 19.5 29.3



#51
2,6-Dinitrotoluene
Concen: 8.64 ng
RT: 9.892 min Scan# 1327
Delta R.T. 0.217 min
Lab File: BF123365.D
Acq: 3 Mar 2021 20:20

Tgt Ion:165 Resp: 126712
Ion Ratio Lower Upper
165 100
63 3.7 36.6 55.0#
89 3.1 39.4 59.0#

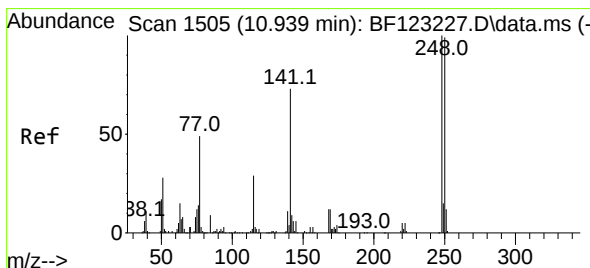
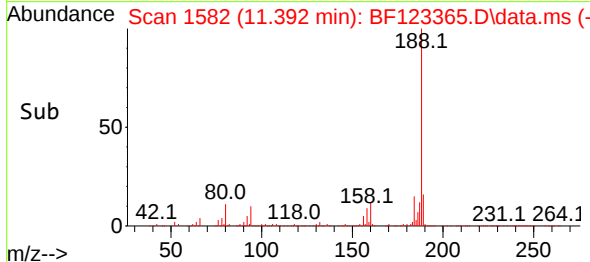
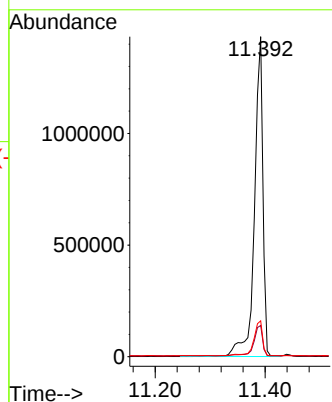
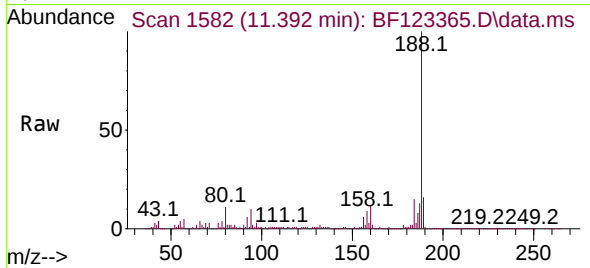




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.392 min Scan# 1582
Delta R.T. 0.012 min
Lab File: BF123365.D
Acq: 3 Mar 2021 20:20

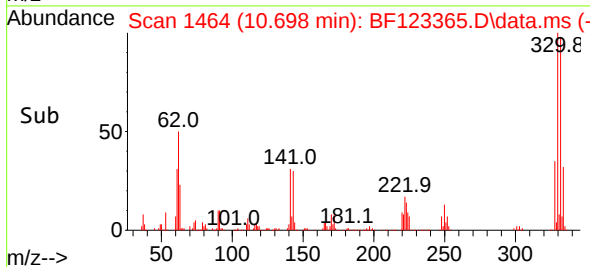
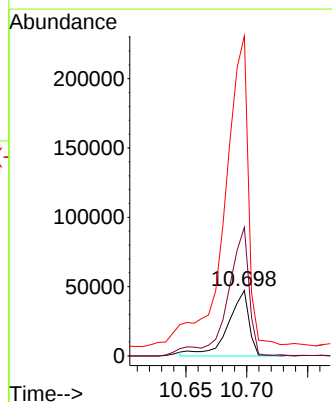
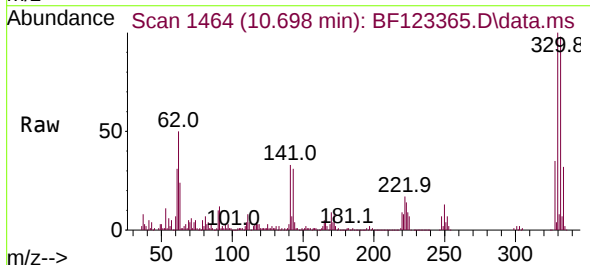
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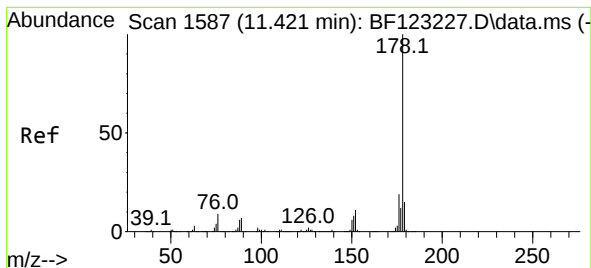
Tgt Ion:188 Resp: 1516056
Ion Ratio Lower Upper
188 100
94 9.8 7.4 11.2
80 11.2 8.2 12.4



#67
4-Bromophenyl-phenylether
Concen: 3.42 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.224 min
Lab File: BF123365.D
Acq: 3 Mar 2021 20:20

Tgt Ion:248 Resp: 56490
Ion Ratio Lower Upper
248 100
250 196.3 76.8 115.2#
141 488.4 59.8 89.8#

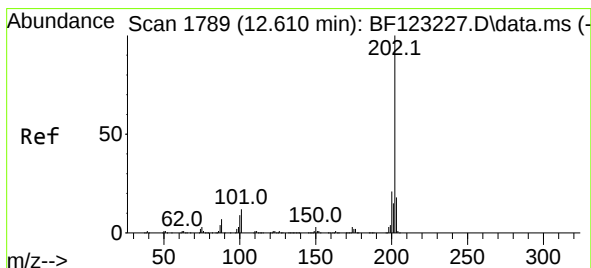
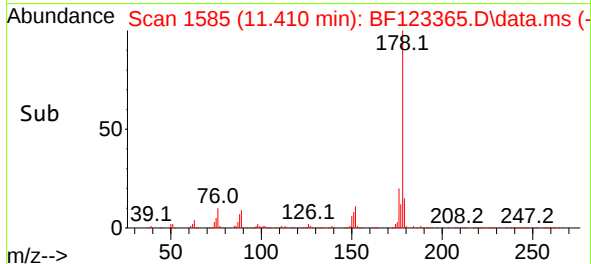
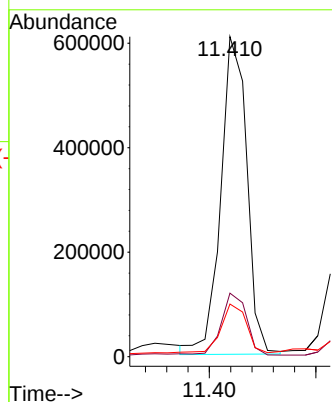
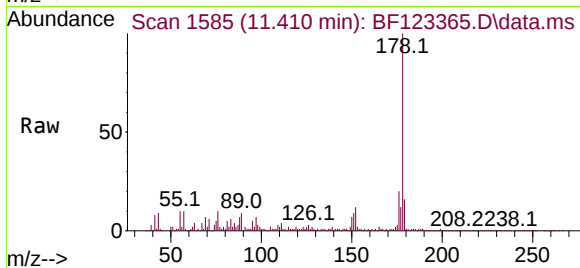




#71
Phenanthrene
Concen: 5.76 ng
RT: 11.410 min Scan# 1585
Delta R.T. 0.006 min
Lab File: BF123365.D
Acq: 3 Mar 2021 20:20

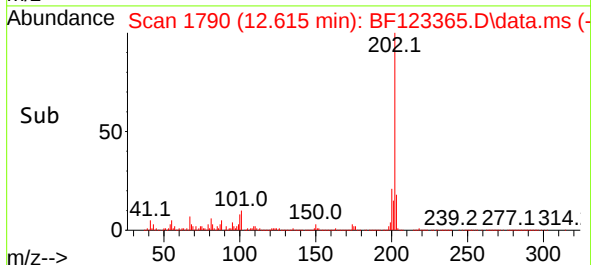
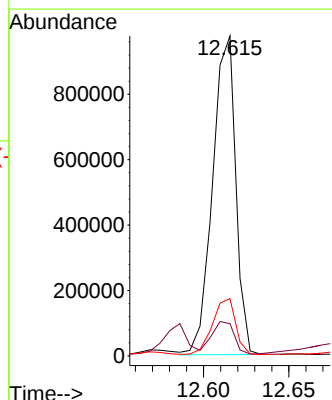
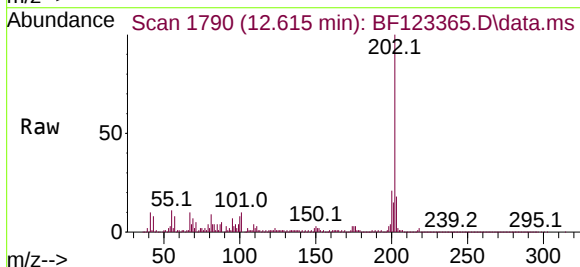
Instrument :
BNA_F
ClientSampleId :
JC-02-030221

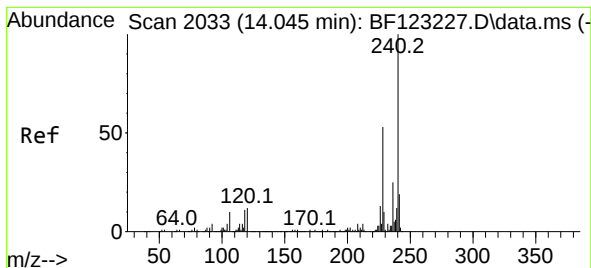
Tgt Ion:178 Resp: 516770
Ion Ratio Lower Upper
178 100
176 19.9 16.2 24.2
179 16.4 12.7 19.1



#75
Fluoranthene
Concen: 9.69 ng
RT: 12.615 min Scan# 1790
Delta R.T. 0.017 min
Lab File: BF123365.D
Acq: 3 Mar 2021 20:20

Tgt Ion:202 Resp: 920949
Ion Ratio Lower Upper
202 100
101 10.1 0.0 32.2
203 17.9 0.0 38.1

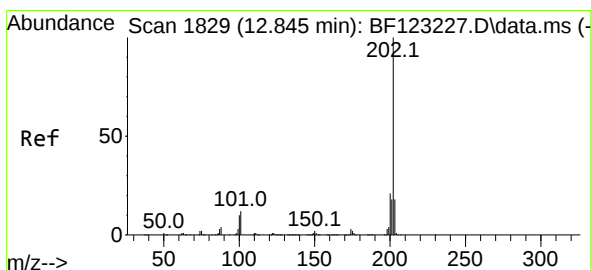
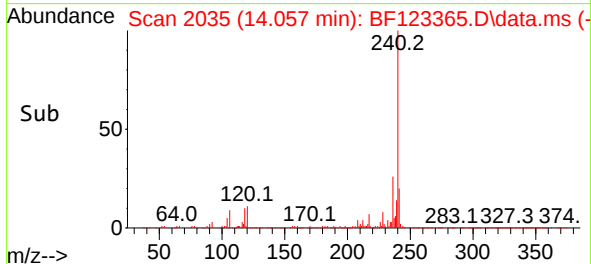
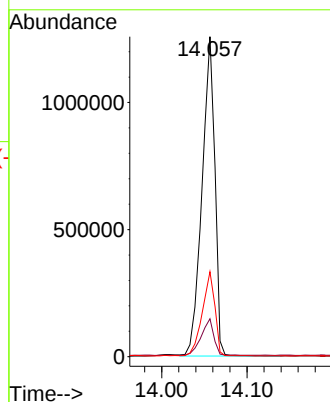
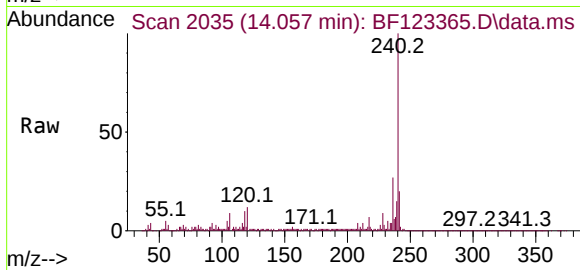




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.057 min Scan# 2035
Delta R.T. 0.023 min
Lab File: BF123365.D
Acq: 3 Mar 2021 20:20

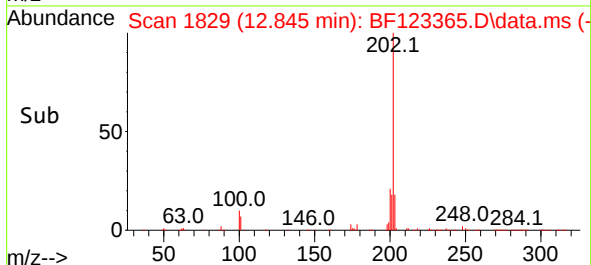
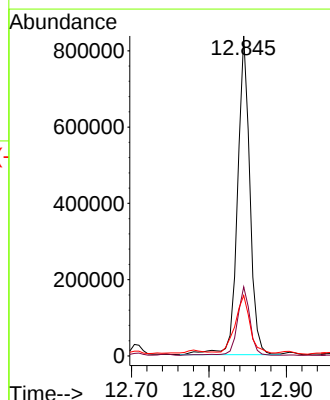
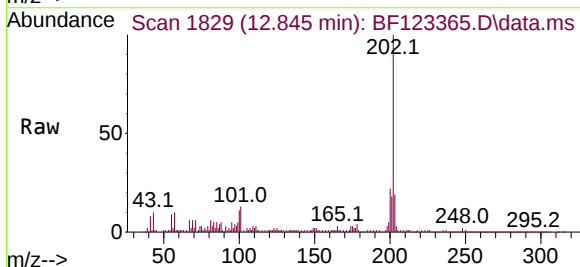
Instrument :
BNA_F
ClientSampleId :
JC-02-030221

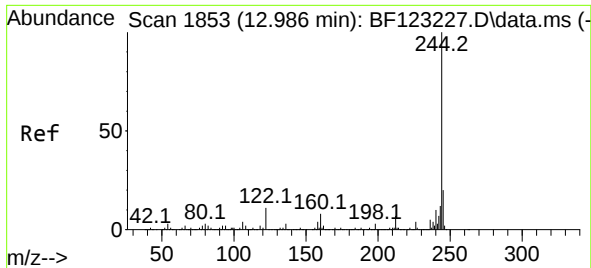
Tgt Ion:240 Resp: 1314464
Ion Ratio Lower Upper
240 100
120 11.8 8.6 12.8
236 26.6 20.3 30.5



#78
Pyrene
Concen: 8.98 ng
RT: 12.845 min Scan# 1829
Delta R.T. 0.017 min
Lab File: BF123365.D
Acq: 3 Mar 2021 20:20

Tgt Ion:202 Resp: 921093
Ion Ratio Lower Upper
202 100
200 21.6 17.6 26.4
203 18.9 14.6 21.8

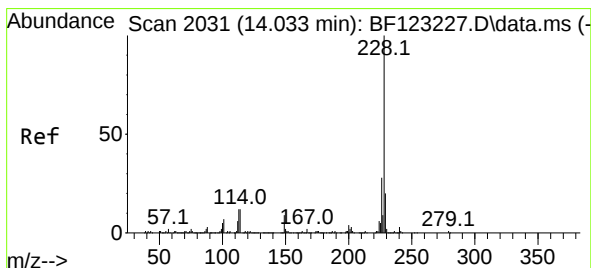
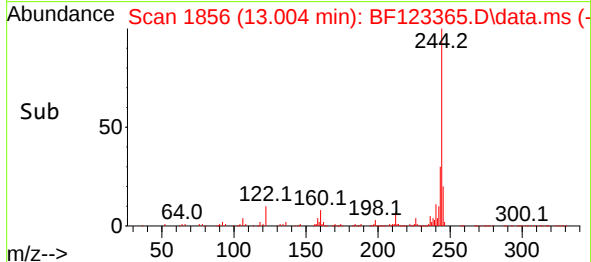
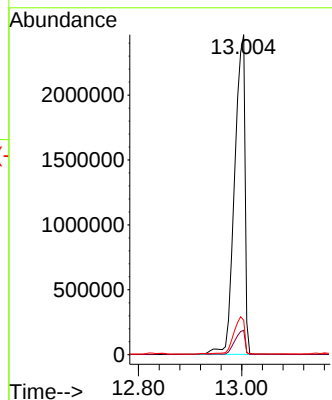
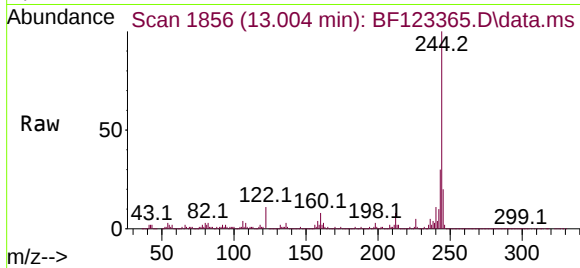




#79
Terphenyl-d14
Concen: 50.14 ng
RT: 13.004 min Scan# 1856
Delta R.T. 0.035 min
Lab File: BF123365.D
Acq: 3 Mar 2021 20:20

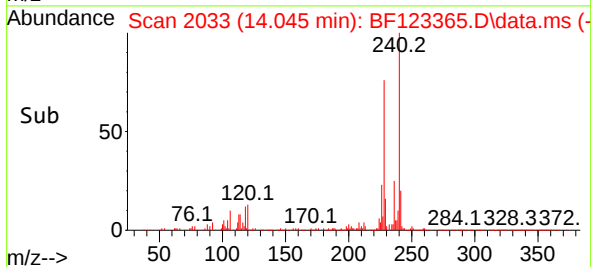
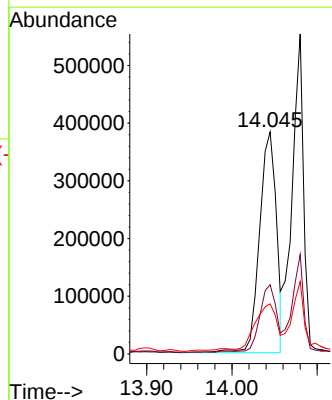
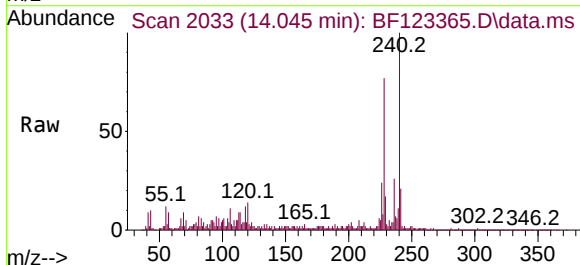
Instrument :
BNA_F
ClientSampleId :
JC-02-030221

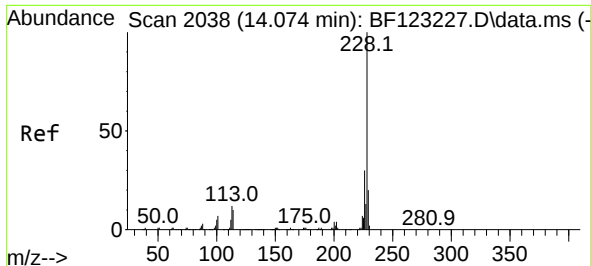
Tgt Ion:244 Resp: 3427798
Ion Ratio Lower Upper
244 100
212 7.6 5.7 8.5
122 10.8 8.3 12.5



#81
Benzo(a)anthracene
Concen: 5.91 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.023 min
Lab File: BF123365.D
Acq: 3 Mar 2021 20:20

Tgt Ion:228 Resp: 527659
Ion Ratio Lower Upper
228 100
226 31.2 23.0 34.4
229 22.5 16.6 24.8

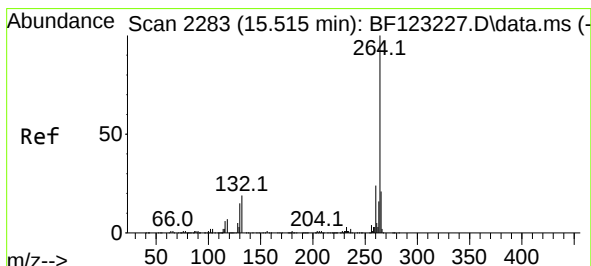
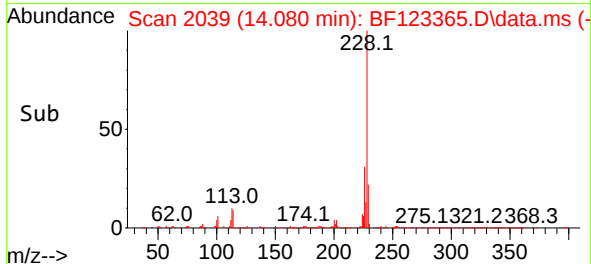
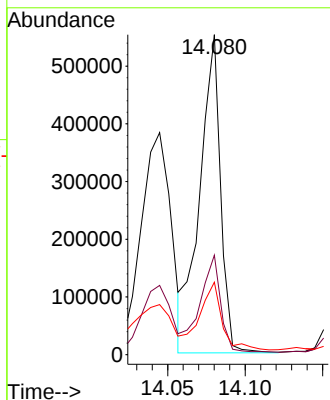
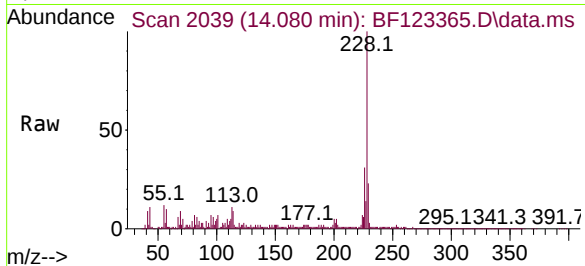




#83
Chrysene
Concen: 5.89 ng
RT: 14.080 min Scan# 2039
Delta R.T. 0.023 min
Lab File: BF123365.D
Acq: 3 Mar 2021 20:20

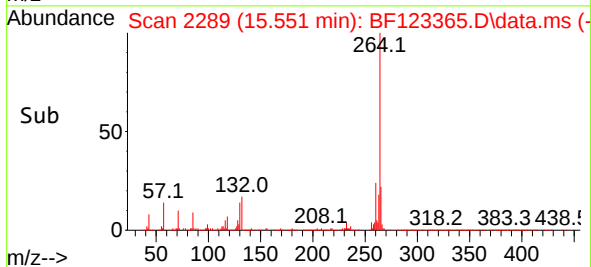
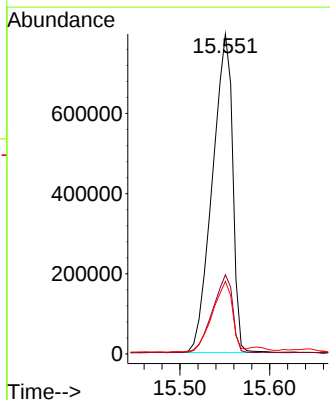
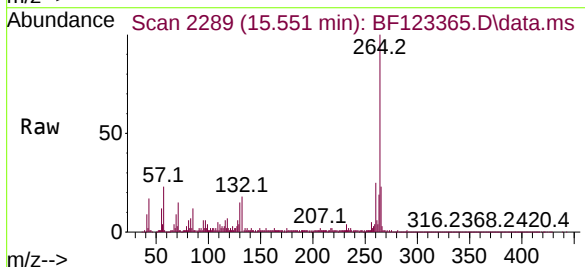
Instrument :
BNA_F
ClientSampleId :
JC-02-030221

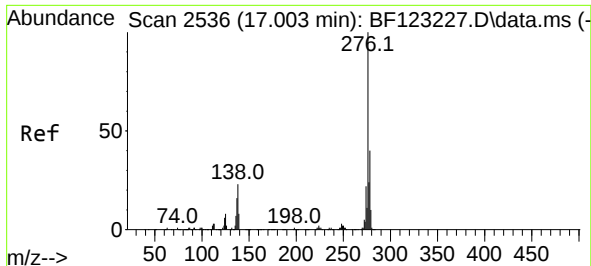
Tgt Ion:228 Resp: 517174
Ion Ratio Lower Upper
228 100
226 31.1 24.6 36.8
229 22.6 15.8 23.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.551 min Scan# 2289
Delta R.T. 0.053 min
Lab File: BF123365.D
Acq: 3 Mar 2021 20:20

Tgt Ion:264 Resp: 1243846
Ion Ratio Lower Upper
264 100
260 24.8 18.6 28.0
265 22.6 17.0 25.6

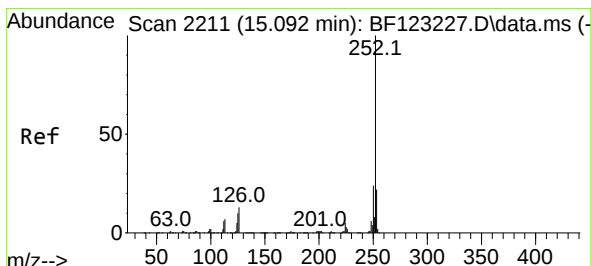
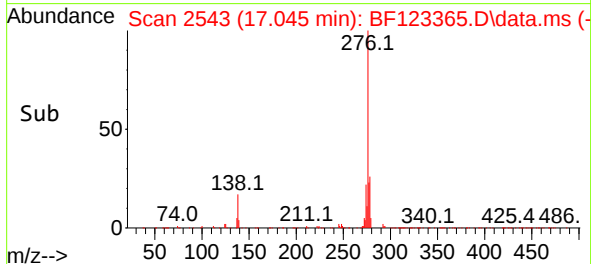
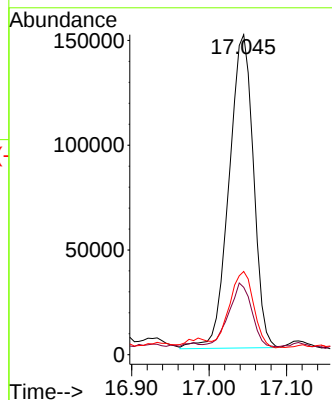
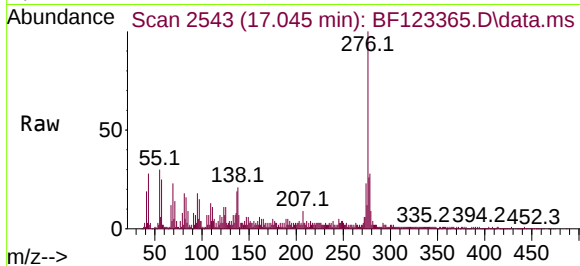




#87
Indeno(1,2,3-cd)pyrene
Concen: 3.82 ng
RT: 17.045 min Scan# 2543
Delta R.T. 0.065 min
Lab File: BF123365.D
Acq: 3 Mar 2021 20:20

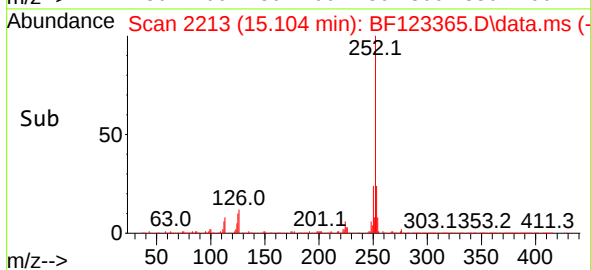
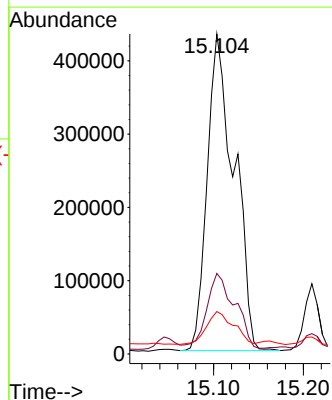
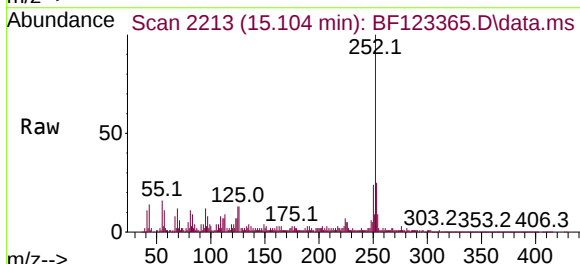
Instrument :
BNA_F
ClientSampleId :
JC-02-030221

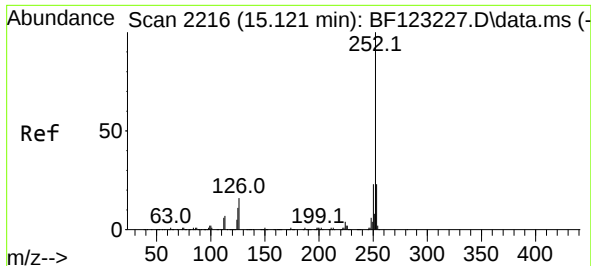
Tgt Ion:276 Resp: 328791
Ion Ratio Lower Upper
276 100
138 19.0 18.7 28.1
277 24.1 20.2 30.4



#88
Benzo(b)fluoranthene
Concen: 10.32 ng
RT: 15.104 min Scan# 2213
Delta R.T. 0.029 min
Lab File: BF123365.D
Acq: 3 Mar 2021 20:20

Tgt Ion:252 Resp: 901203
Ion Ratio Lower Upper
252 100
253 25.1 18.3 27.5
125 13.3 8.1 12.1#





#89

Benzo(k)fluoranthene

Concen: 11.38 ng

RT: 15.104 min Scan# 2213

Delta R.T. -0.000 min

Lab File: BF123365.D

Acq: 3 Mar 2021 20:20

Tgt Ion:252 Resp: 901203

Ion Ratio Lower Upper

252 100

253 25.1 17.8 26.8

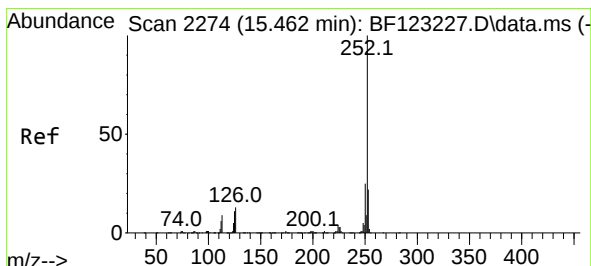
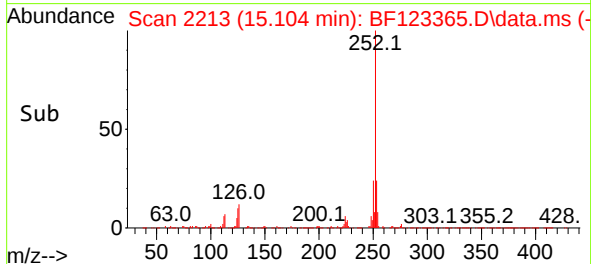
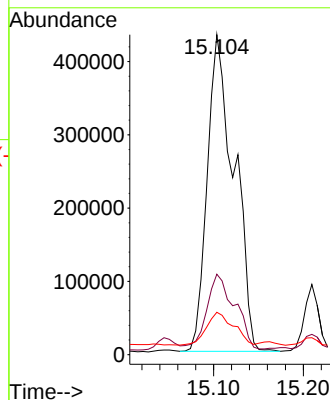
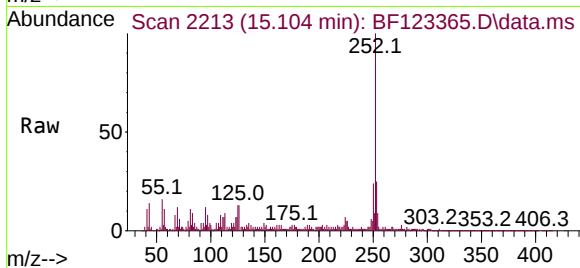
125 13.3 8.4 12.6#

Instrument :

BNA_F

ClientSampleId :

JC-02-030221



#90

Benzo(a)pyrene

Concen: 6.24 ng

RT: 15.474 min Scan# 2276

Delta R.T. 0.035 min

Lab File: BF123365.D

Acq: 3 Mar 2021 20:20

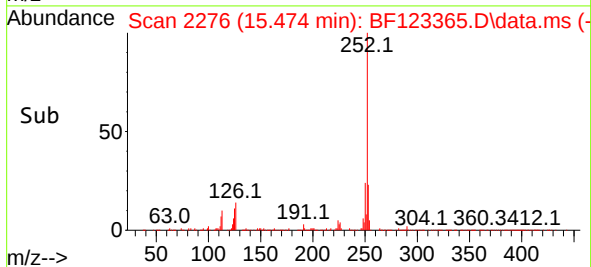
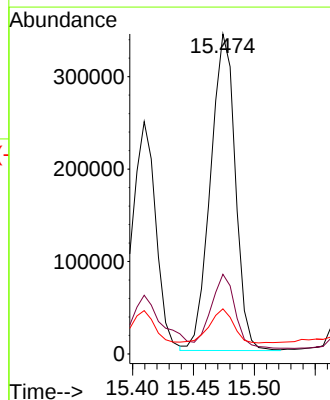
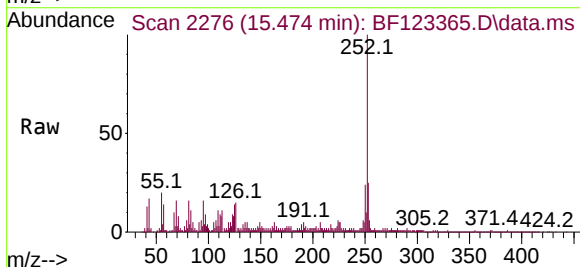
Tgt Ion:252 Resp: 485946

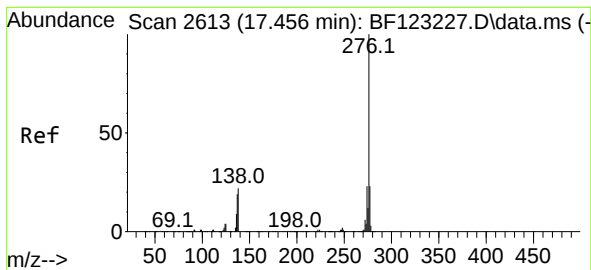
Ion Ratio Lower Upper

252 100

253 24.9 17.5 26.3

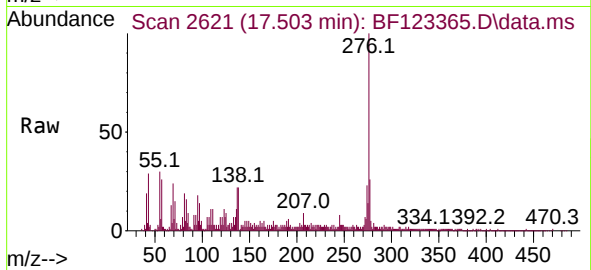
125 14.1 8.6 12.8#





#92
 Benzo(g,h,i)perylene
 Concen: 4.69 ng
 RT: 17.503 min Scan# 2621
 Delta R.T. 0.076 min
 Lab File: BF123365.D
 Acq: 3 Mar 2021 20:20

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-030221



Tgt Ion: 276 Resp: 318560

Ion	Ratio	Lower	Upper
276	100		
277	25.8	19.3	28.9
138	22.2	16.6	24.8

