

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061721\
 Data File : BF124365.D
 Acq On : 17 Jun 2021 16:18
 Operator : JU/CG
 Sample : M2737-01 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-061621

Quant Time: Jun 17 16:43:50 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 15 20:09:26 2021
 Response via : Initial Calibration

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

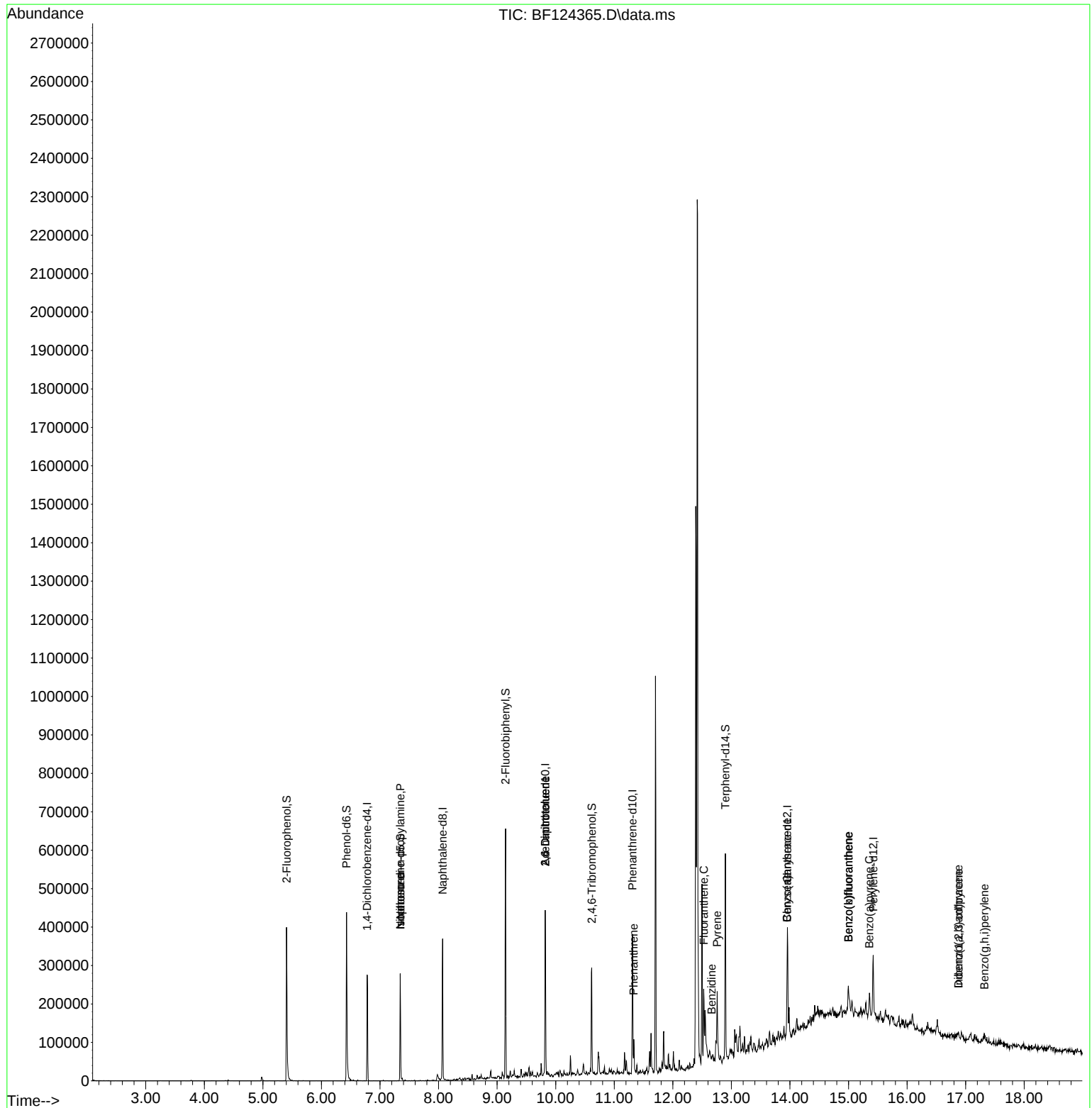
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	35734	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	132045	20.000	ng	# 0.00
39) Acenaphthene-d10	9.821	164	72880	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	113376	20.000	ng	0.00
76) Chrysene-d12	13.957	240	81018	20.000	ng	0.00
86) Perylene-d12	15.421	264	52062	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	92657	39.033	ng	-0.01
7) Phenol-d6	6.428	99	113687	35.630	ng	-0.02
23) Nitrobenzene-d5	7.345	82	71742	21.549	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	30157	29.207	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	167585	28.936	ng	0.00
79) Terphenyl-d14	12.898	244	146597	24.843	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	10606	4.709	ng	# 66
25) Isophorone	7.345	82	71741	11.958	ng	# 69
51) 2,6-Dinitrotoluene	9.821	165	10519	7.608	ng	# 12
57) 2,4-Dinitrotoluene	9.821	165	10519	5.769	ng	# 17
71) Phenanthrene	11.333	178	26660	3.764	ng	# 93
75) Fluoranthene	12.527	202	60971	8.201	ng	97
77) Benzidine	12.662	184	160	4.138	ng	# 68
78) Pyrene	12.757	202	61177	7.864	ng	97
81) Benzo(a)anthracene	13.951	228	27272	4.621	ng	96
83) Chrysene	13.951	228	27272	4.789	ng	98
87) Indeno(1,2,3-cd)pyrene	16.880	276	12043	6.863	ng	# 74
88) Benzo(b)fluoranthene	14.998	252	41035	10.147	ng	# 87
89) Benzo(k)fluoranthene	14.998	252	41035	10.718	ng	# 88
90) Benzo(a)pyrene	15.356	252	22660	6.451	ng	# 95
91) Dibenzo(a,h)anthracene	16.874	278	4008	5.164	ng	# 32
92) Benzo(g,h,i)perylene	17.321	276	11973	6.828	ng	# 74

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

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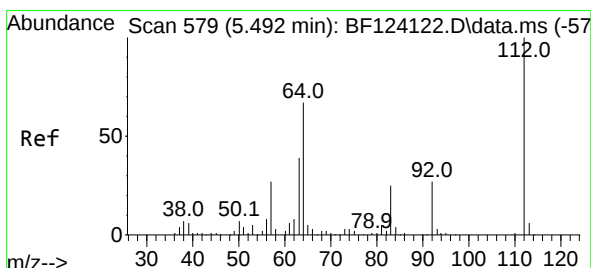
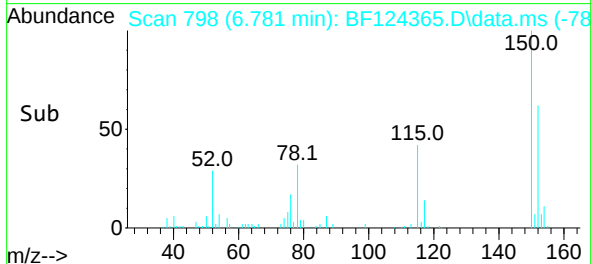
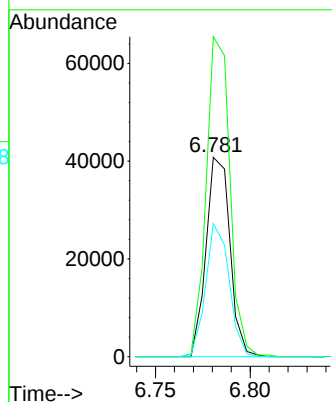
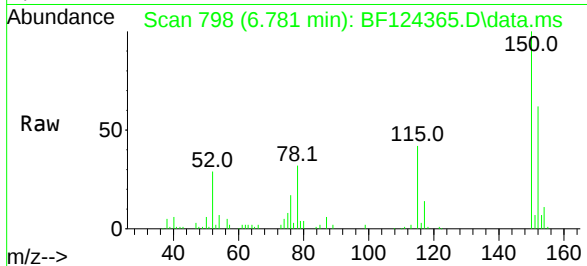




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF124365.D
Acq: 17 Jun 2021 16:18

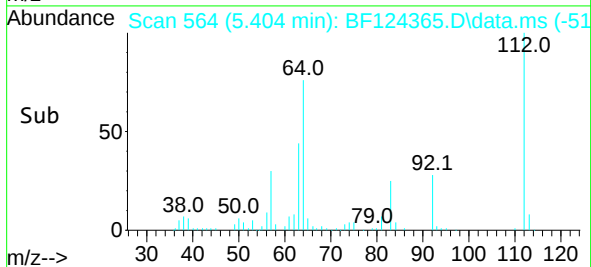
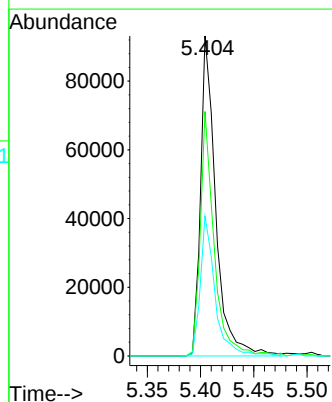
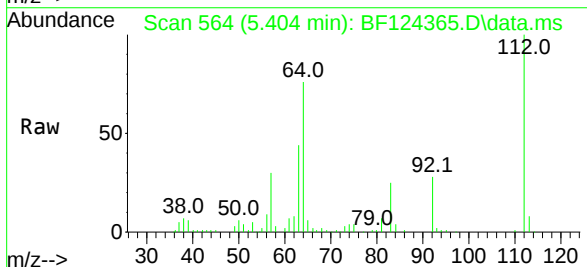
Instrument :
BNA_F
ClientSampleId :
SU-03-061621

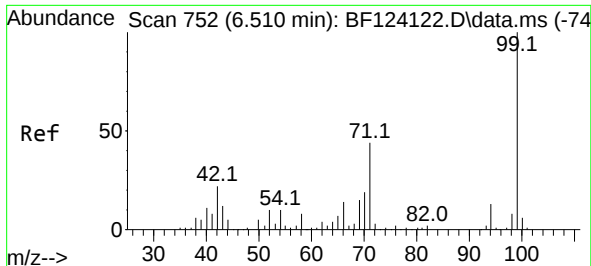
Tgt Ion:152 Resp: 35734
Ion Ratio Lower Upper
152 100
150 160.5 127.0 190.6
115 66.7 54.3 81.5



#5
2-Fluorophenol
Concen: 39.033 ng
RT: 5.404 min Scan# 564
Delta R.T. -0.012 min
Lab File: BF124365.D
Acq: 17 Jun 2021 16:18

Tgt Ion:112 Resp: 92657
Ion Ratio Lower Upper
112 100
64 76.4 61.4 92.0
63 43.7 33.0 49.4

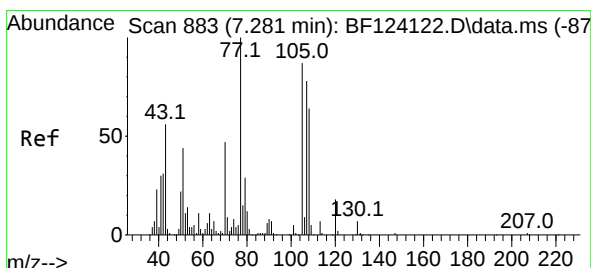
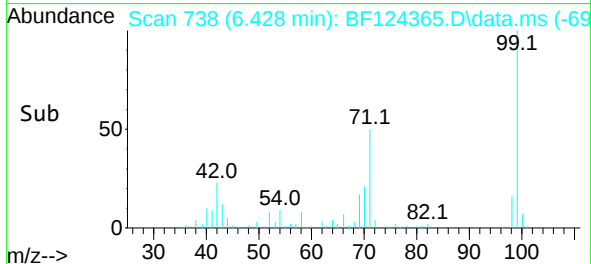
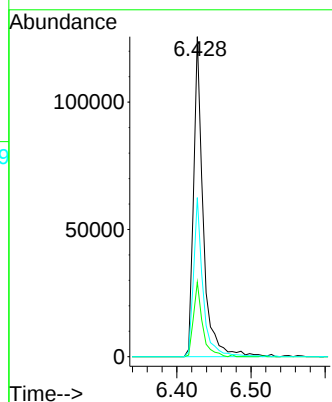
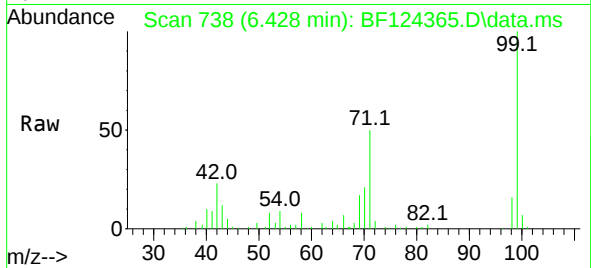




#7
Phenol-d6
Concen: 35.630 ng
RT: 6.428 min Scan# 738
Delta R.T. -0.018 min
Lab File: BF124365.D
Acq: 17 Jun 2021 16:18

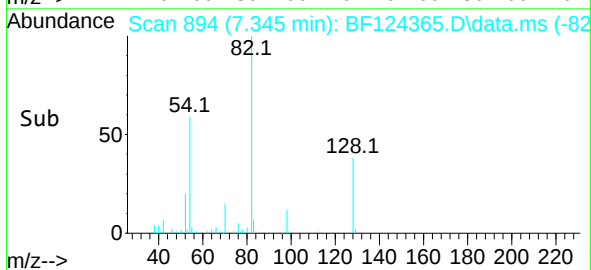
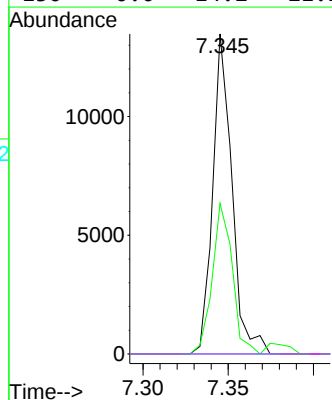
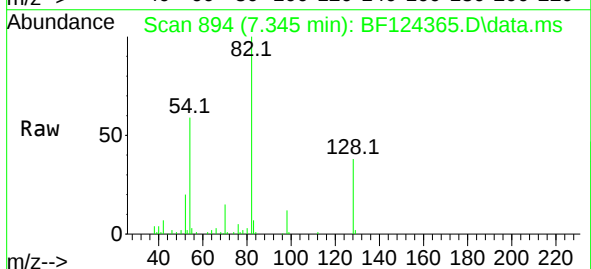
Instrument :
BNA_F
ClientSampleId :
SU-03-061621

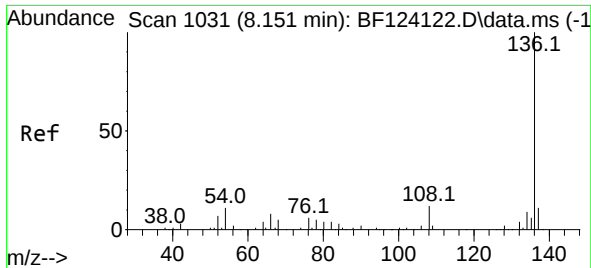
Tgt Ion: 99 Resp: 113687
Ion Ratio Lower Upper
99 100
42 23.3 19.8 29.8
71 49.7 31.1 46.7#



#19
n-Nitroso-di-n-propylamine
Concen: 4.709 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF124365.D
Acq: 17 Jun 2021 16:18

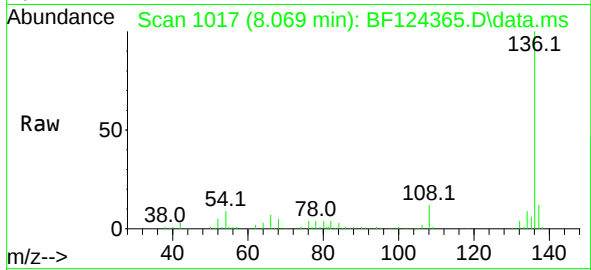
Tgt Ion: 70 Resp: 10606
Ion Ratio Lower Upper
70 100
42 47.0 60.1 90.1#
101 0.0 7.4 11.2#
130 0.0 14.2 21.2#



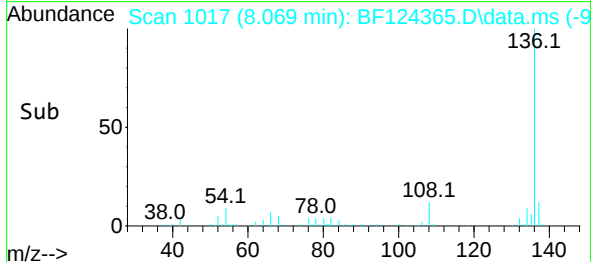
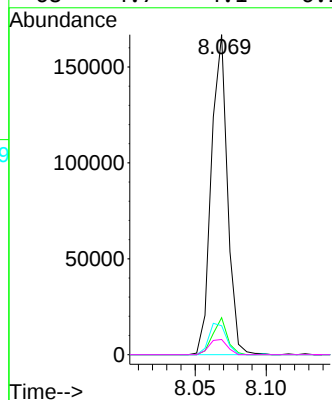


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF124365.D
Acq: 17 Jun 2021 16:18

Instrument :
BNA_F
ClientSampleId :
SU-03-061621

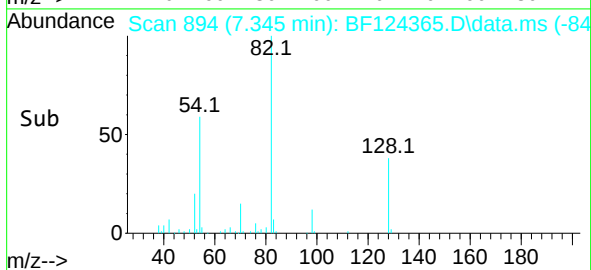
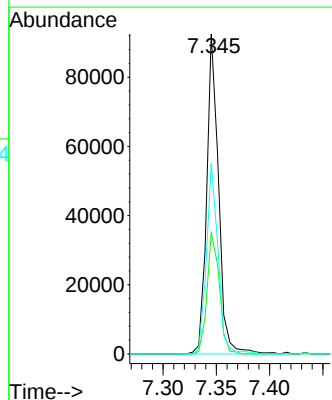
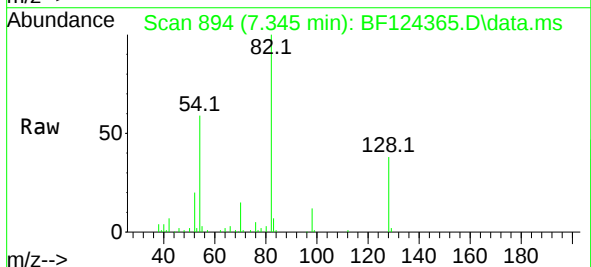


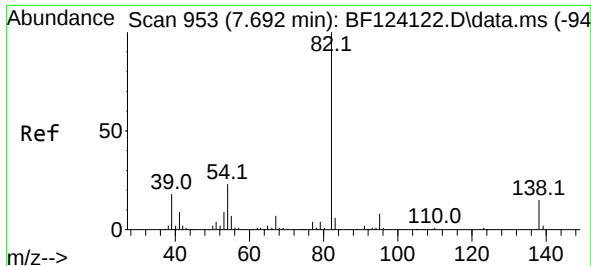
Tgt Ion:136 Resp: 132045
Ion Ratio Lower Upper
136 100
137 11.6 8.7 13.1
54 9.1 9.8 14.6#
68 4.7 4.1 6.1



#23
Nitrobenzene-d5
Concen: 21.549 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF124365.D
Acq: 17 Jun 2021 16:18

Tgt Ion: 82 Resp: 71742
Ion Ratio Lower Upper
82 100
128 37.8 29.4 44.2
54 59.5 54.1 81.1

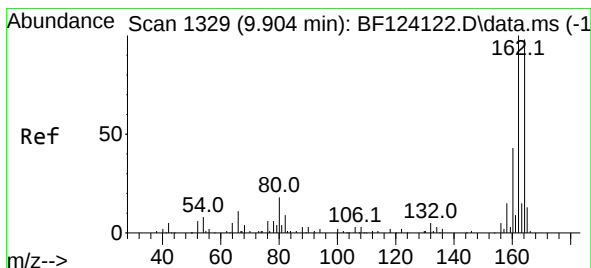
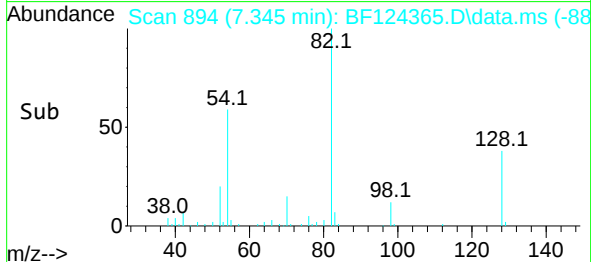
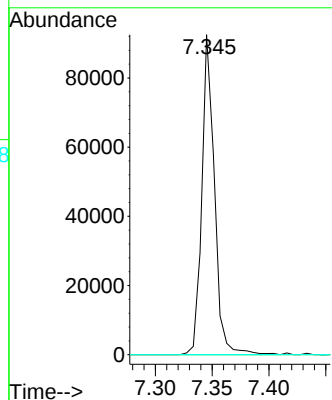
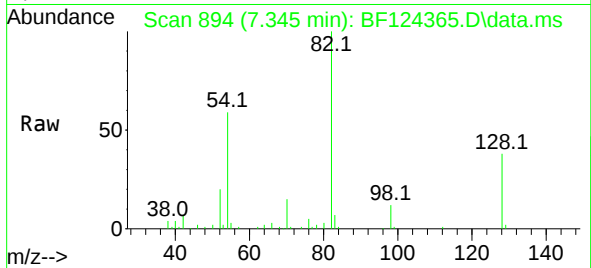




#25
Isophorone
Concen: 11.958 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.271 min
Lab File: BF124365.D
Acq: 17 Jun 2021 16:18

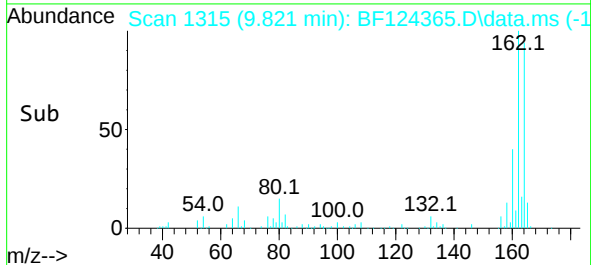
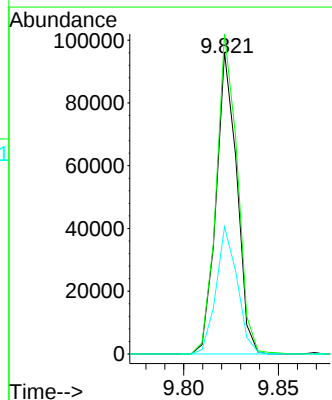
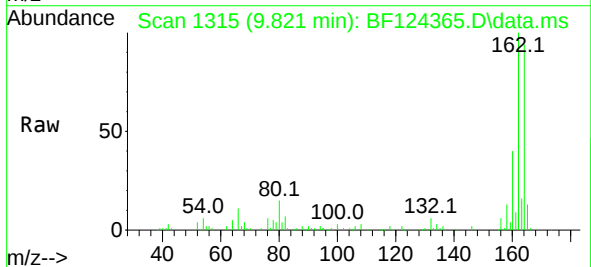
Instrument :
BNA_F
ClientSampleId :
SU-03-061621

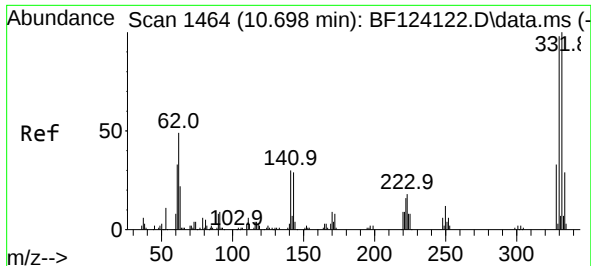
Tgt Ion: 82 Resp: 71741
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.821 min Scan# 1315
Delta R.T. -0.006 min
Lab File: BF124365.D
Acq: 17 Jun 2021 16:18

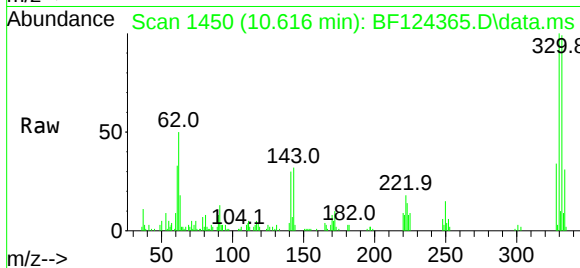
Tgt Ion: 164 Resp: 72880
Ion Ratio Lower Upper
164 100
162 106.1 80.7 121.1
160 42.2 37.3 55.9



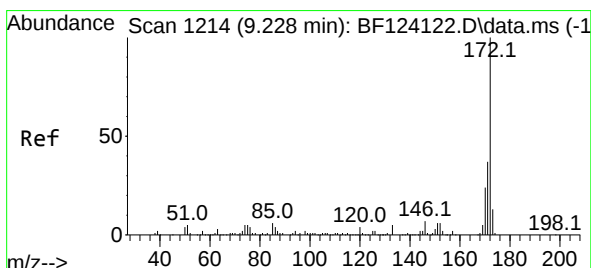
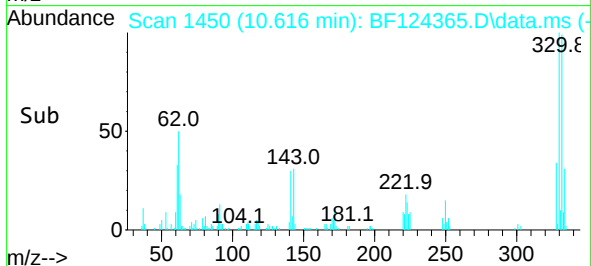
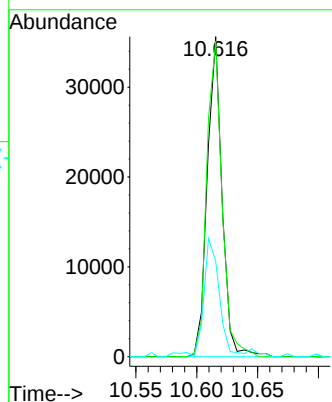


#42
2,4,6-Tribromophenol
Concen: 29.207 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF124365.D
Acq: 17 Jun 2021 16:18

Instrument :
BNA_F
ClientSampleId :
SU-03-061621

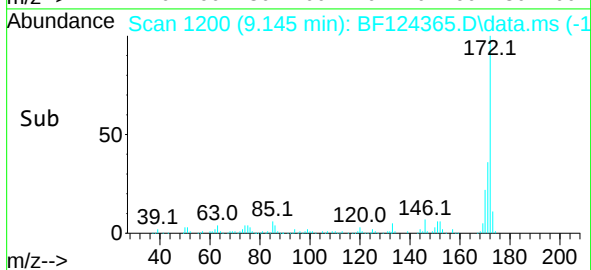
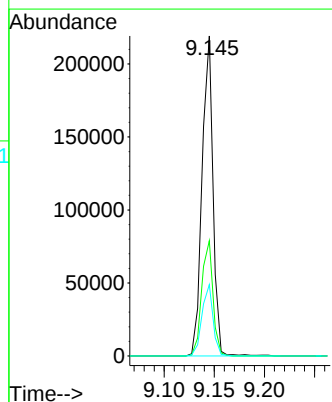
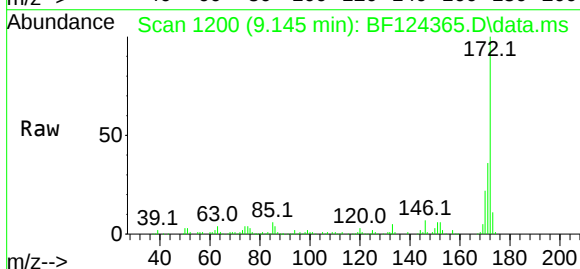


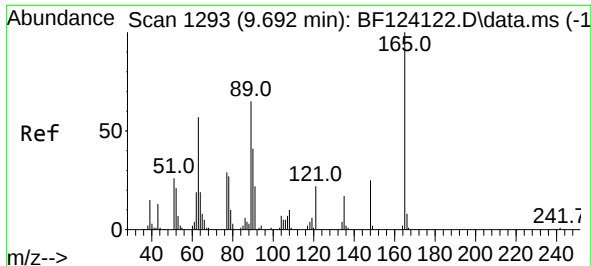
Tgt Ion:330 Resp: 30157
Ion Ratio Lower Upper
330 100
332 101.9 77.1 115.7
141 39.3 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 28.936 ng
RT: 9.145 min Scan# 1200
Delta R.T. -0.006 min
Lab File: BF124365.D
Acq: 17 Jun 2021 16:18

Tgt Ion:172 Resp: 167585
Ion Ratio Lower Upper
172 100
171 36.0 28.1 42.1
170 22.3 19.2 28.8

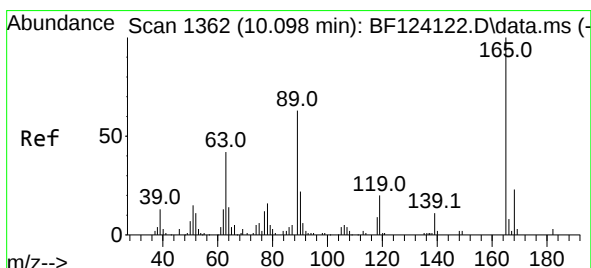
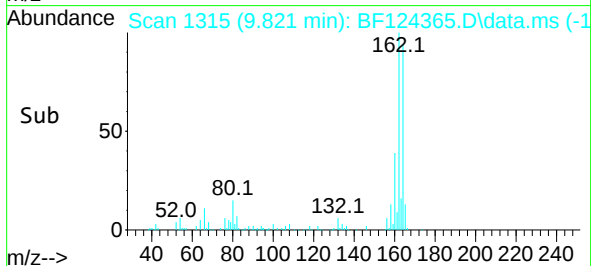
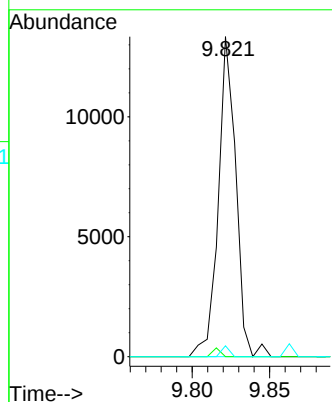
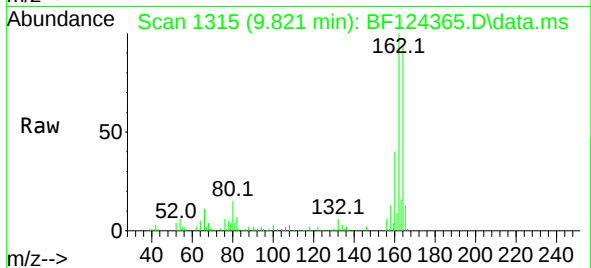




#51
2,6-Dinitrotoluene
Concen: 7.608 ng
RT: 9.821 min Scan# 1315
Delta R.T. 0.200 min
Lab File: BF124365.D
Acq: 17 Jun 2021 16:18

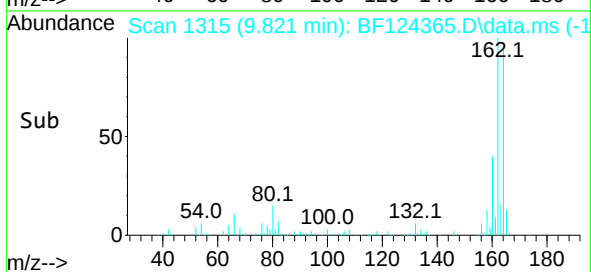
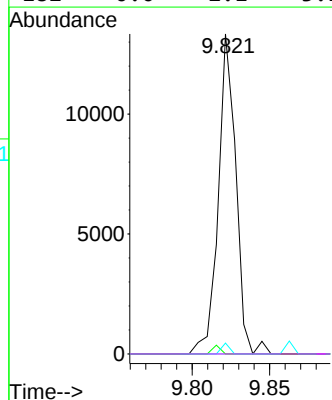
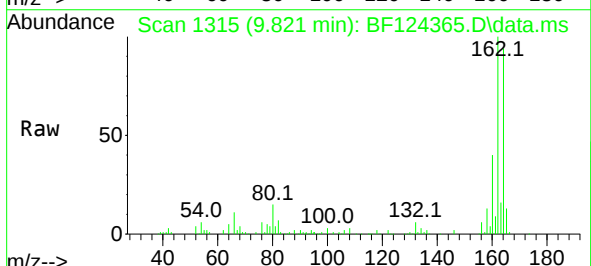
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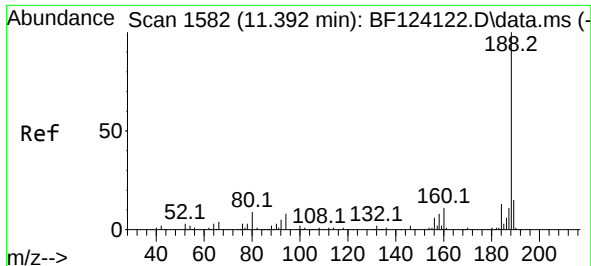
Tgt Ion:165 Resp: 10519
Ion Ratio Lower Upper
165 100
63 0.0 67.7 101.5#
89 3.4 58.8 88.2#



#57
2,4-Dinitrotoluene
Concen: 5.769 ng
RT: 9.821 min Scan# 1315
Delta R.T. -0.206 min
Lab File: BF124365.D
Acq: 17 Jun 2021 16:18

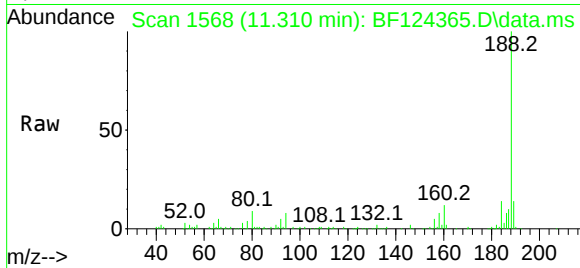
Tgt Ion:165 Resp: 10519
Ion Ratio Lower Upper
165 100
63 0.0 43.5 65.3#
89 3.4 67.7 101.5#
182 0.0 2.1 3.1#



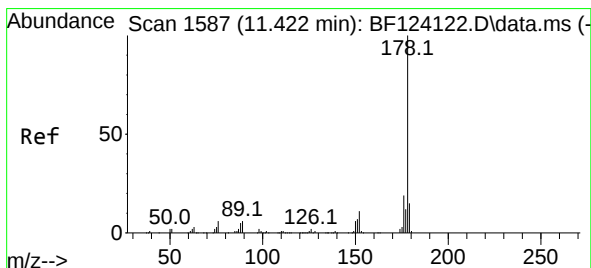
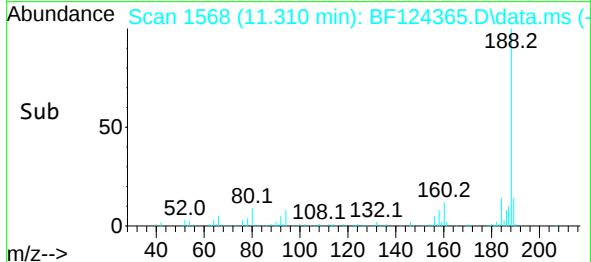
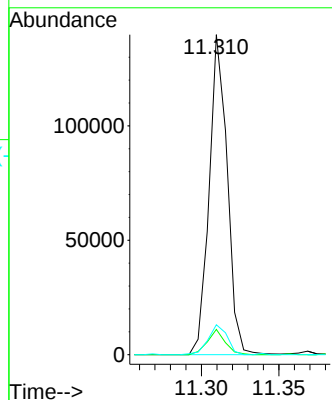


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF124365.D
Acq: 17 Jun 2021 16:18

Instrument :
BNA_F
ClientSampleId :
SU-03-061621

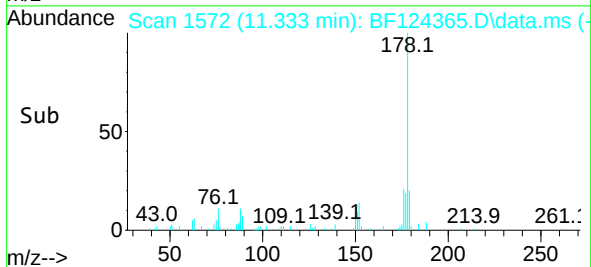
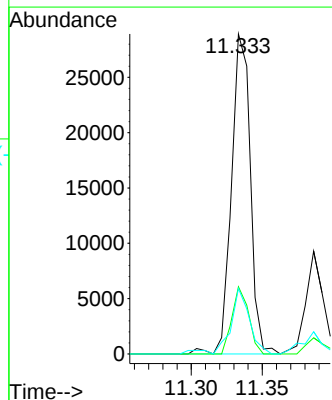
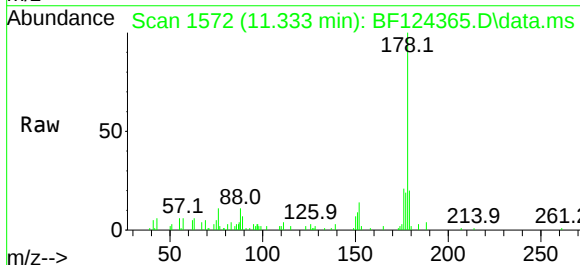


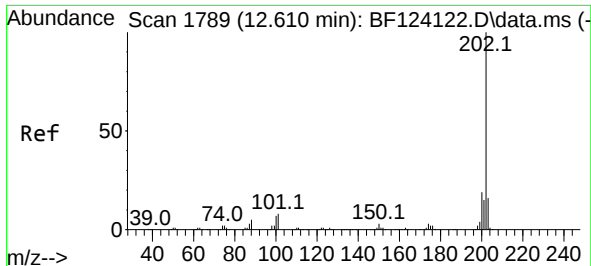
Tgt Ion:188 Resp: 113376
Ion Ratio Lower Upper
188 100
94 7.9 6.9 10.3
80 9.4 8.2 12.2



#71
Phenanthrene
Concen: 3.764 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF124365.D
Acq: 17 Jun 2021 16:18

Tgt Ion:178 Resp: 26660
Ion Ratio Lower Upper
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176 21.0 15.6 23.4
179 20.5 12.5 18.7#

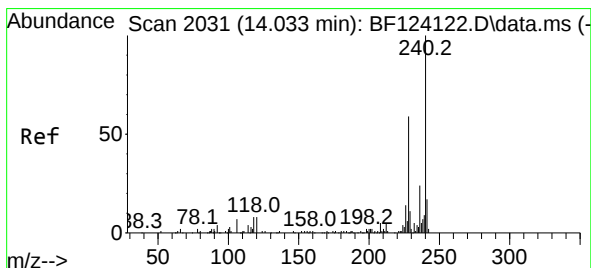
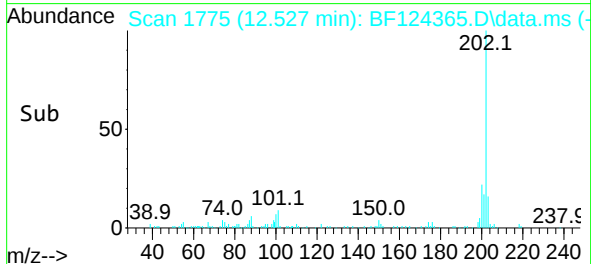
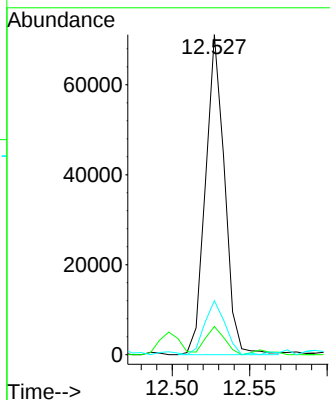
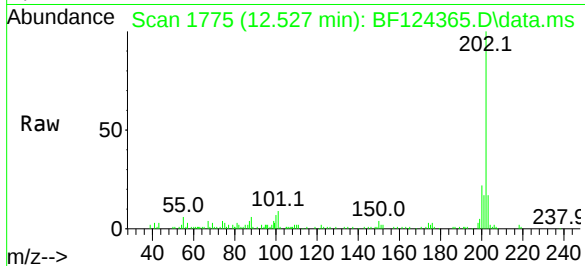




#75
Fluoranthene
Concen: 8.201 ng
RT: 12.527 min Scan# 1775
Delta R.T. -0.006 min
Lab File: BF124365.D
Acq: 17 Jun 2021 16:18

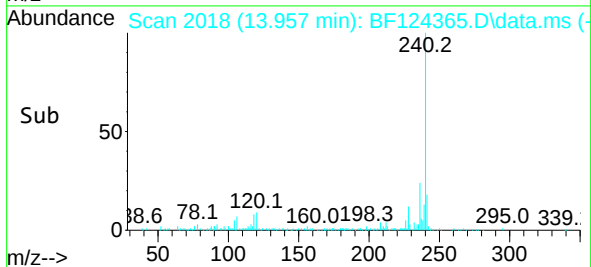
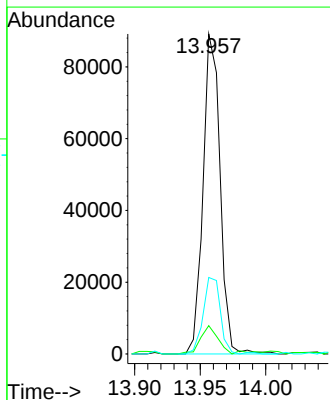
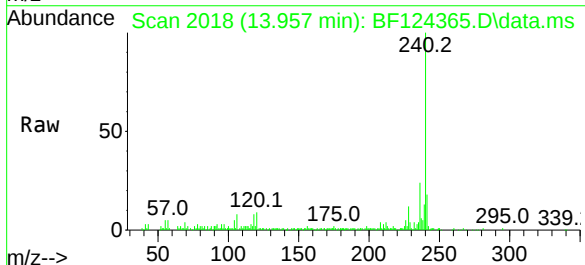
Instrument :
BNA_F
ClientSampleId :
SU-03-061621

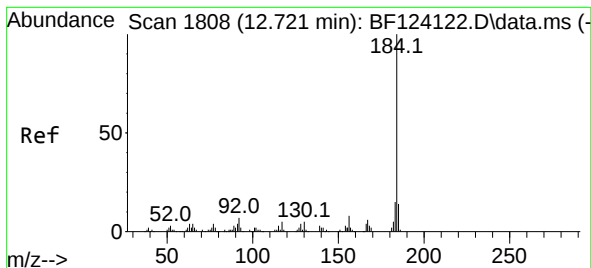
Tgt Ion:202	Resp:	60971
Ion Ratio	Lower	Upper
202	100	
101	8.8	0.0 30.9
203	16.9	0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF124365.D
Acq: 17 Jun 2021 16:18

Tgt Ion:240	Resp:	81018
Ion Ratio	Lower	Upper
240	100	
120	8.9	7.2 10.8
236	23.9	19.0 28.4





#77

Benzidine

Concen: 4.138 ng

RT: 12.662 min Scan# 1798

Delta R.T. -0.035 min

Lab File: BF124365.D

Acq: 17 Jun 2021 16:18

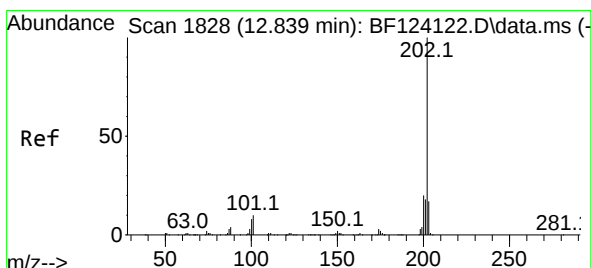
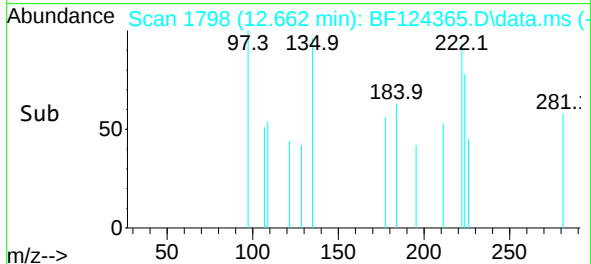
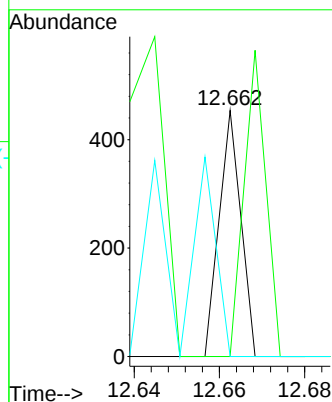
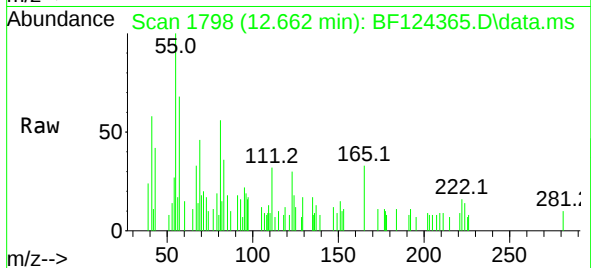
Instrument :

BNA_F

ClientSampleId :

SU-03-061621

Tgt Ion:184	Resp:	160
Ion Ratio	Lower	Upper
184	100	
185	0.0	12.1 18.1#
183	0.0	7.8 11.8#



#78

Pyrene

Concen: 7.864 ng

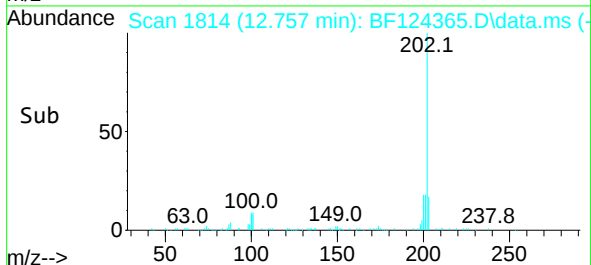
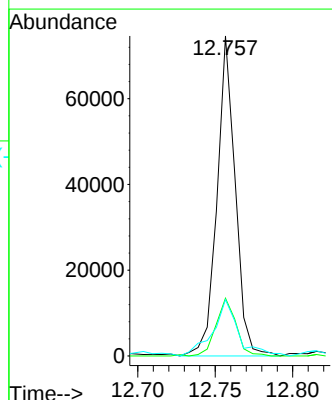
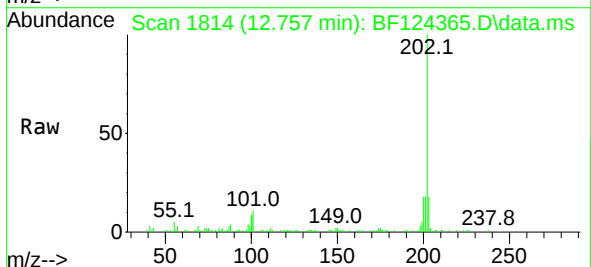
RT: 12.757 min Scan# 1814

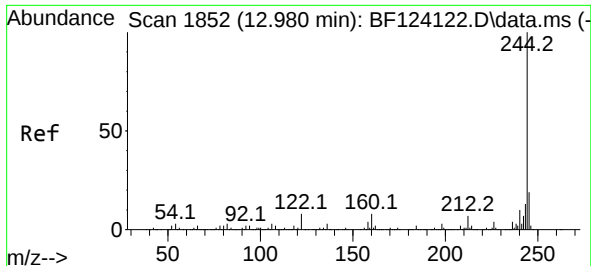
Delta R.T. -0.006 min

Lab File: BF124365.D

Acq: 17 Jun 2021 16:18

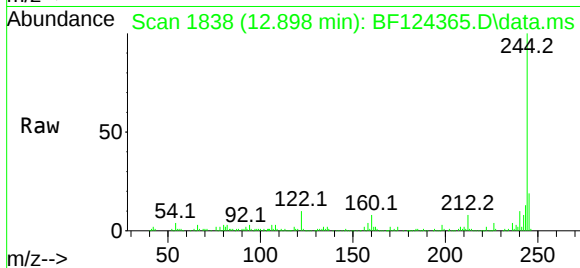
Tgt Ion:202	Resp:	61177
Ion Ratio	Lower	Upper
202	100	
200	18.0	16.1 24.1
203	17.6	14.8 22.2



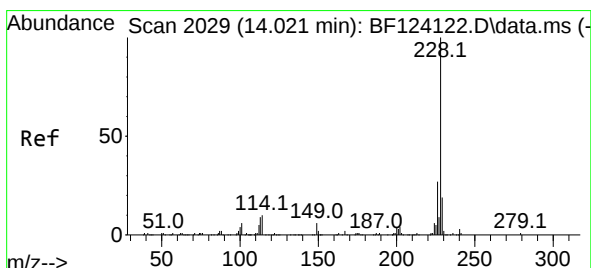
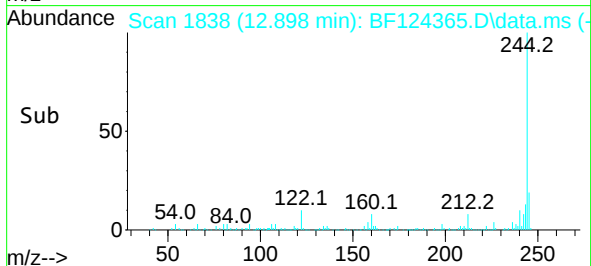
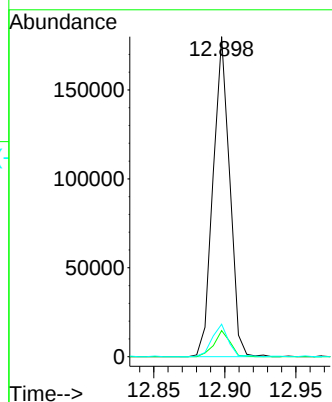


#79
 Terphenyl-d14
 Concen: 24.843 ng
 RT: 12.898 min Scan# 1838
 Delta R.T. -0.006 min
 Lab File: BF124365.D
 Acq: 17 Jun 2021 16:18

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-061621

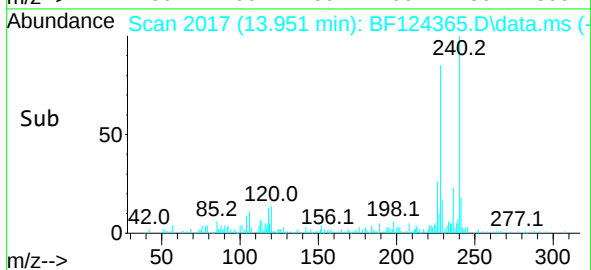
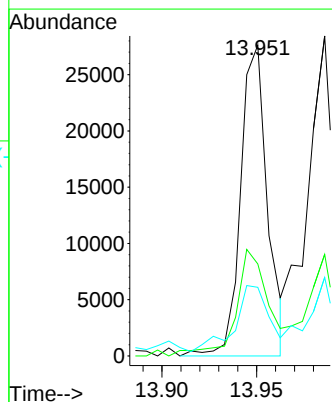
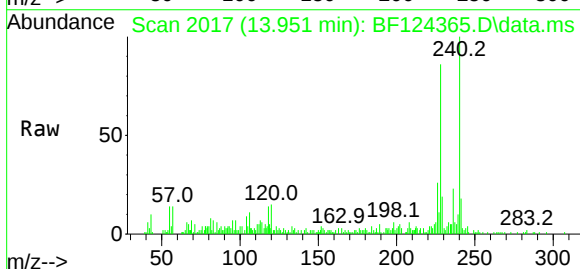


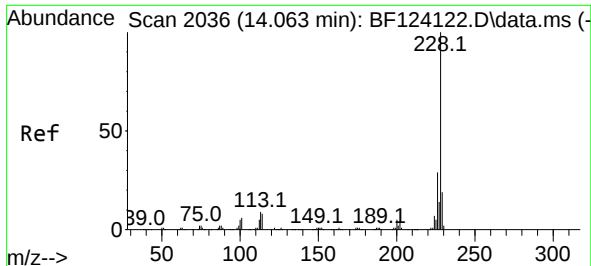
Tgt Ion:244 Resp: 146597
 Ion Ratio Lower Upper
 244 100
 212 8.1 5.7 8.5
 122 10.1 9.7 14.5



#81
 Benzo(a)anthracene
 Concen: 4.621 ng
 RT: 13.951 min Scan# 2017
 Delta R.T. -0.000 min
 Lab File: BF124365.D
 Acq: 17 Jun 2021 16:18

Tgt Ion:228 Resp: 27272
 Ion Ratio Lower Upper
 228 100
 226 29.6 22.4 33.6
 229 22.1 16.0 24.0

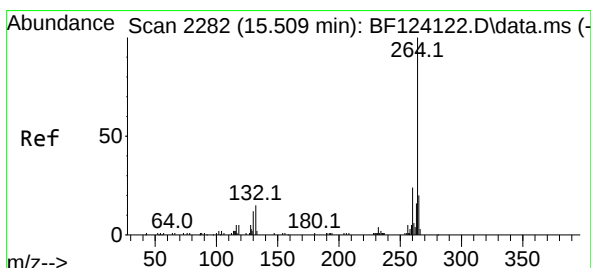
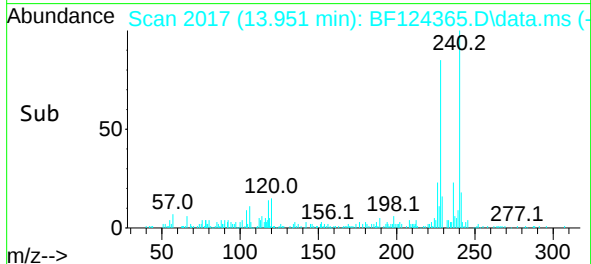
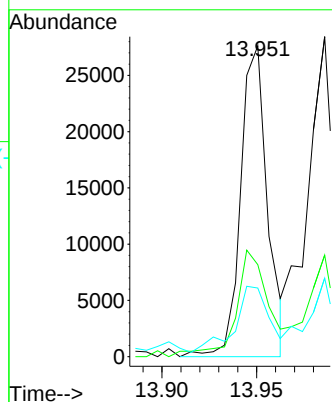
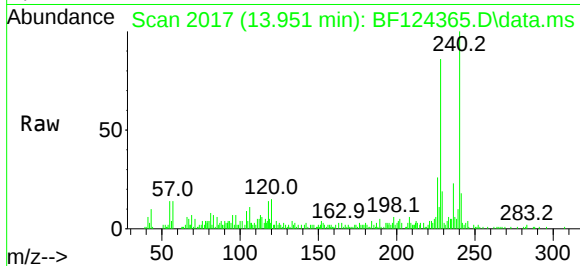




#83
Chrysene
Concen: 4.789 ng
RT: 13.951 min Scan# 2017
Delta R.T. -0.041 min
Lab File: BF124365.D
Acq: 17 Jun 2021 16:18

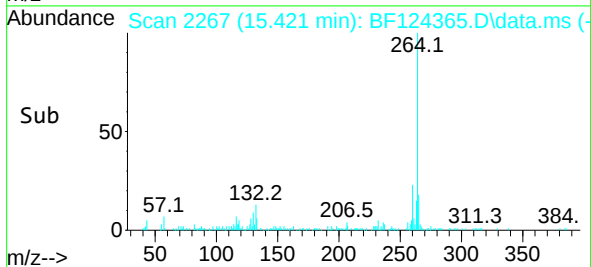
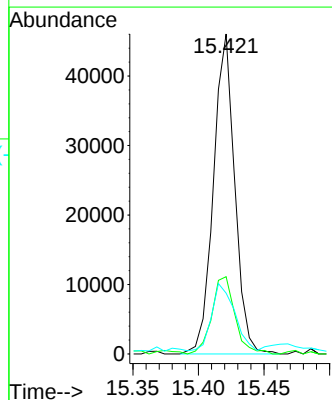
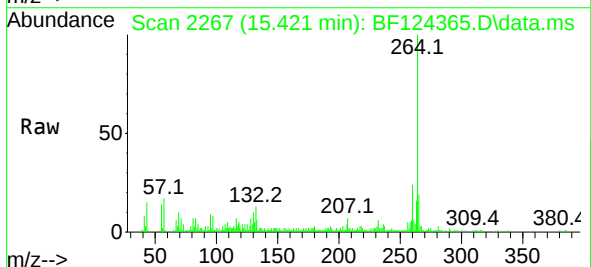
Instrument :
BNA_F
ClientSampleId :
SU-03-061621

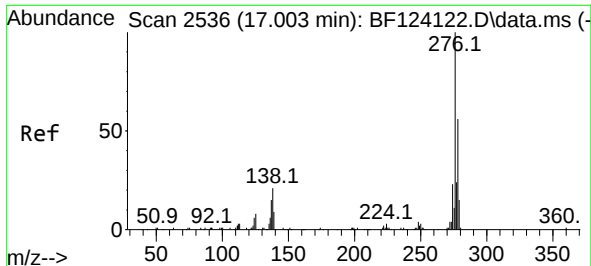
Tgt Ion:	228	Resp:	27272
Ion Ratio	Lower	Upper	
228	100		
226	29.6	24.3	36.5
229	22.1	16.2	24.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2267
Delta R.T. 0.006 min
Lab File: BF124365.D
Acq: 17 Jun 2021 16:18

Tgt Ion:	264	Resp:	52062
Ion Ratio	Lower	Upper	
264	100		
260	24.2	18.7	28.1
265	19.0	17.8	26.8

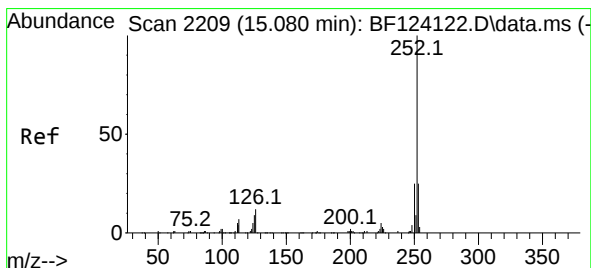
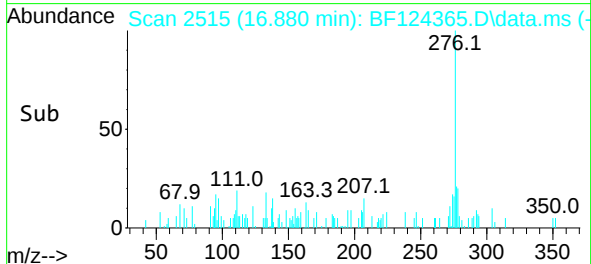
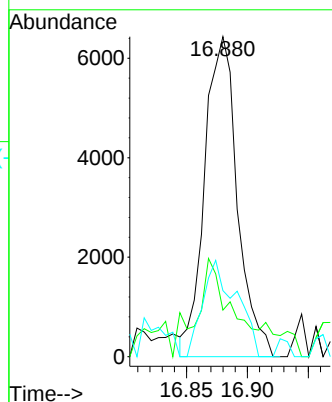
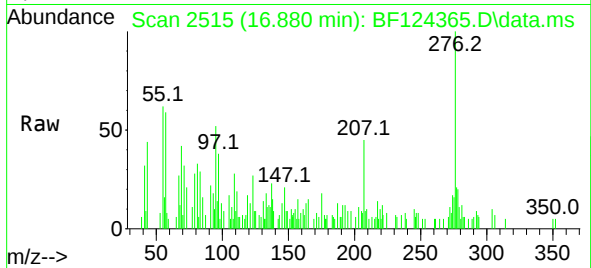




#87
Indeno(1,2,3-cd)pyrene
Concen: 6.863 ng
RT: 16.880 min Scan# 2515
Delta R.T. 0.006 min
Lab File: BF124365.D
Acq: 17 Jun 2021 16:18

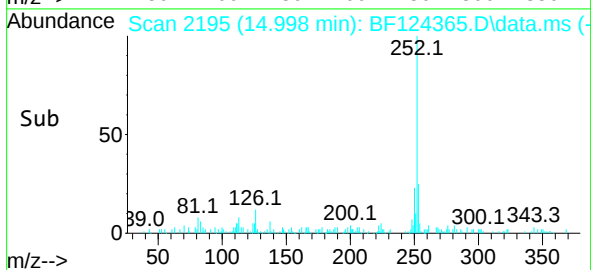
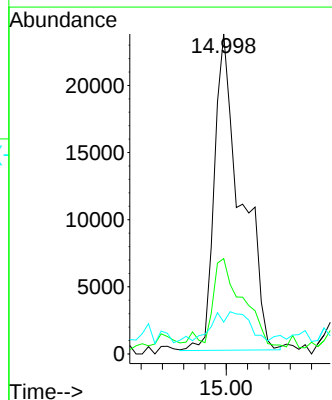
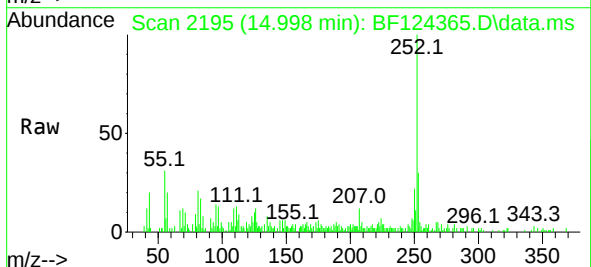
Instrument :
BNA_F
ClientSampleId :
SU-03-061621

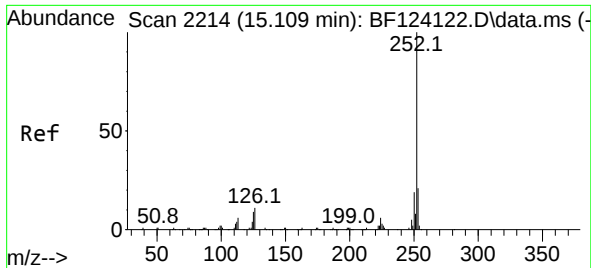
Tgt Ion:276 Resp: 12043
Ion Ratio Lower Upper
276 100
138 40.4 16.2 24.2#
277 30.8 20.1 30.1#



#88
Benzo(b)fluoranthene
Concen: 10.147 ng
RT: 14.998 min Scan# 2195
Delta R.T. -0.000 min
Lab File: BF124365.D
Acq: 17 Jun 2021 16:18

Tgt Ion:252 Resp: 41035
Ion Ratio Lower Upper
252 100
253 29.8 18.1 27.1#
125 9.9 6.2 9.4#

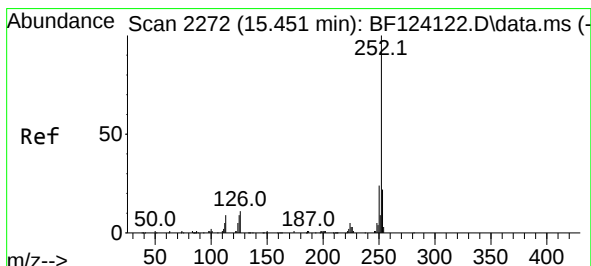
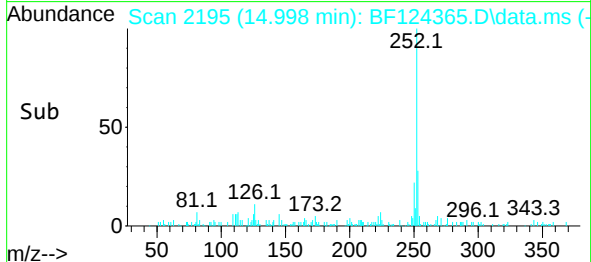
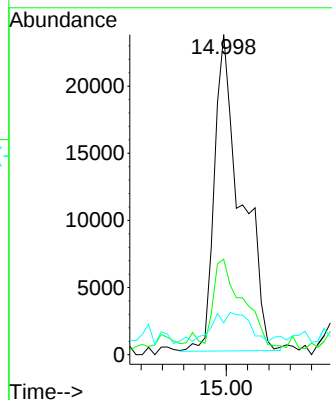
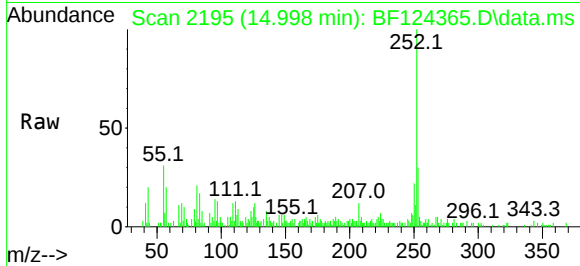




#89
Benzo(k)fluoranthene
Concen: 10.718 ng
RT: 14.998 min Scan# 2195
Delta R.T. -0.029 min
Lab File: BF124365.D
Acq: 17 Jun 2021 16:18

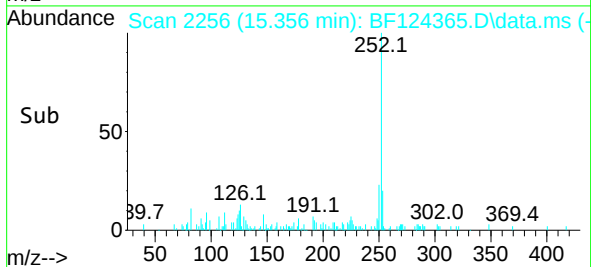
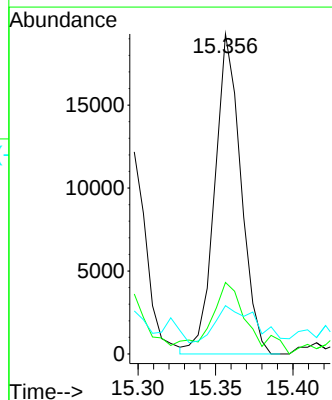
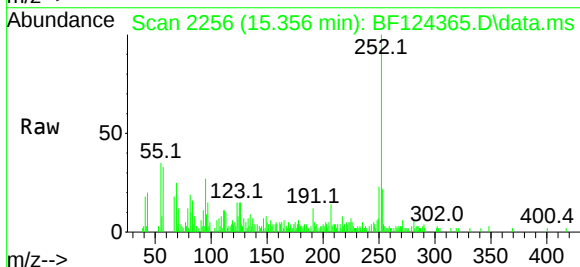
Instrument :
BNA_F
ClientSampleId :
SU-03-061621

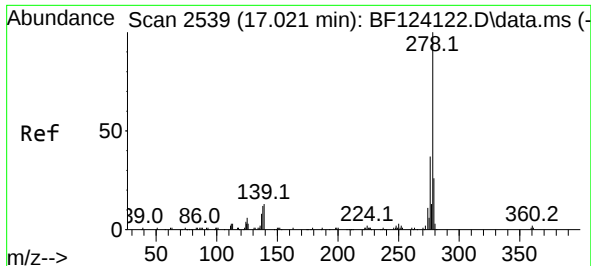
Tgt Ion:252 Resp: 41035
Ion Ratio Lower Upper
252 100
253 29.8 17.9 26.9#
125 9.9 7.0 10.6



#90
Benzo(a)pyrene
Concen: 6.451 ng
RT: 15.356 min Scan# 2256
Delta R.T. -0.000 min
Lab File: BF124365.D
Acq: 17 Jun 2021 16:18

Tgt Ion:252 Resp: 22660
Ion Ratio Lower Upper
252 100
253 22.3 18.4 27.6
125 15.1 8.0 12.0#

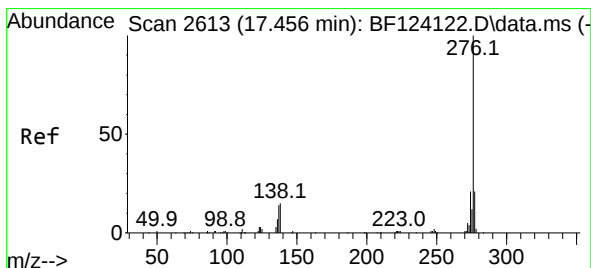
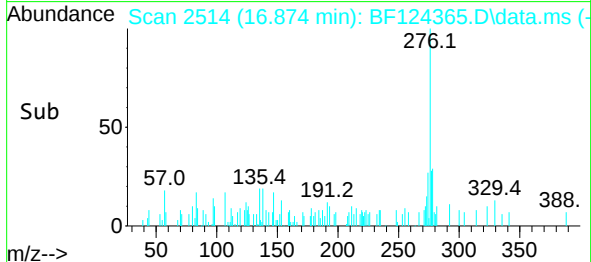
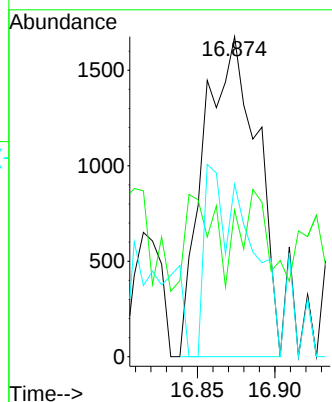
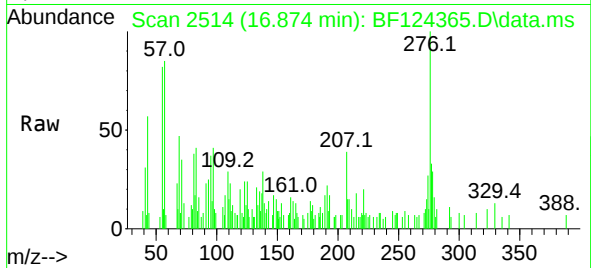




#91
Dibenzo(a,h)anthracene
Concen: 5.164 ng
RT: 16.874 min Scan# 2514
Delta R.T. -0.012 min
Lab File: BF124365.D
Acq: 17 Jun 2021 16:18

Instrument :
BNA_F
ClientSampleId :
SU-03-061621

Tgt Ion:278 Resp: 4008
Ion Ratio Lower Upper
278 100
139 45.8 10.2 15.2#
279 53.9 19.4 29.0#



#92
Benzo(g,h,i)perylene
Concen: 6.828 ng
RT: 17.321 min Scan# 2590
Delta R.T. 0.006 min
Lab File: BF124365.D
Acq: 17 Jun 2021 16:18

Tgt Ion:276 Resp: 11973
Ion Ratio Lower Upper
276 100
277 35.0 18.2 27.2#
138 29.2 13.8 20.6#

