

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080221\
 Data File : BF124911.D
 Acq On : 2 Aug 2021 16:57
 Operator : JU/CG
 Sample : M3253-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-2-COMP

Manual Integrations
 APPROVED

mohammad
 8/3/2021 11:48:33 AM

Quant Time: Aug 02 17:31:50 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 02 11:15:51 2021
 Response via : Initial Calibration

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

Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.851	152	5199	20.000	ng	#	0.00
21) Naphthalene-d8	8.139	136	20154	20.000	ng		0.00
39) Acenaphthene-d10	9.892	164	11369	20.000	ng		0.00
64) Phenanthrene-d10	11.374	188	19302	20.000	ng		0.00
76) Chrysene-d12	14.009	240	11788	20.000	ng		-0.01
86) Perylene-d12	15.480	264	11137	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.469	112	29388	95.708	ng		0.00
7) Phenol-d6	6.481	99	36376	94.496	ng		0.00
23) Nitrobenzene-d5	7.416	82	23891	70.554	ng		-0.01
42) 2,4,6-Tribromophenol	10.674	330	6832	69.990	ng		-0.01
45) 2-Fluorobiphenyl	9.210	172	46759	60.407	ng		0.00
79) Terphenyl-d14	12.957	244	38173	55.509	ng		0.00
Target Compounds							
							Qvalue
37) 2-Methylnaphthalene	8.845	142	2763	3.932	ng		92
38) 1-Methylnaphthalene	8.945	142	3995	6.001	ng		95
49) Acenaphthylene	9.751	152	2341	2.260	ng	#	85
58) Fluorene	10.433	166	3670	4.875	ng	#	95
71) Phenanthrene	11.398	178	29430	28.349	ng		99
72) Anthracene	11.451	178	2371	2.285	ng		96
75) Fluoranthene	12.586	202	16203	15.295	ng		95
78) Pyrene	12.815	202	24215	25.948	ng		96
81) Benzo(a)anthracene	14.004	228	7376	9.572	ng	#	92
83) Chrysene	14.039	228	9514	12.816	ng		96
87) Indeno(1,2,3-cd)pyrene	16.939	276	2612	4.062	ng	#	65
88) Benzo(b)fluoranthene	15.051	252	6878m	8.772	ng		
89) Benzo(k)fluoranthene	15.074	252	1813m	2.530	ng		
90) Benzo(a)pyrene	15.415	252	5687	8.682	ng		96
92) Benzo(g,h,i)perylene	17.386	276	2177	4.079	ng	#	92

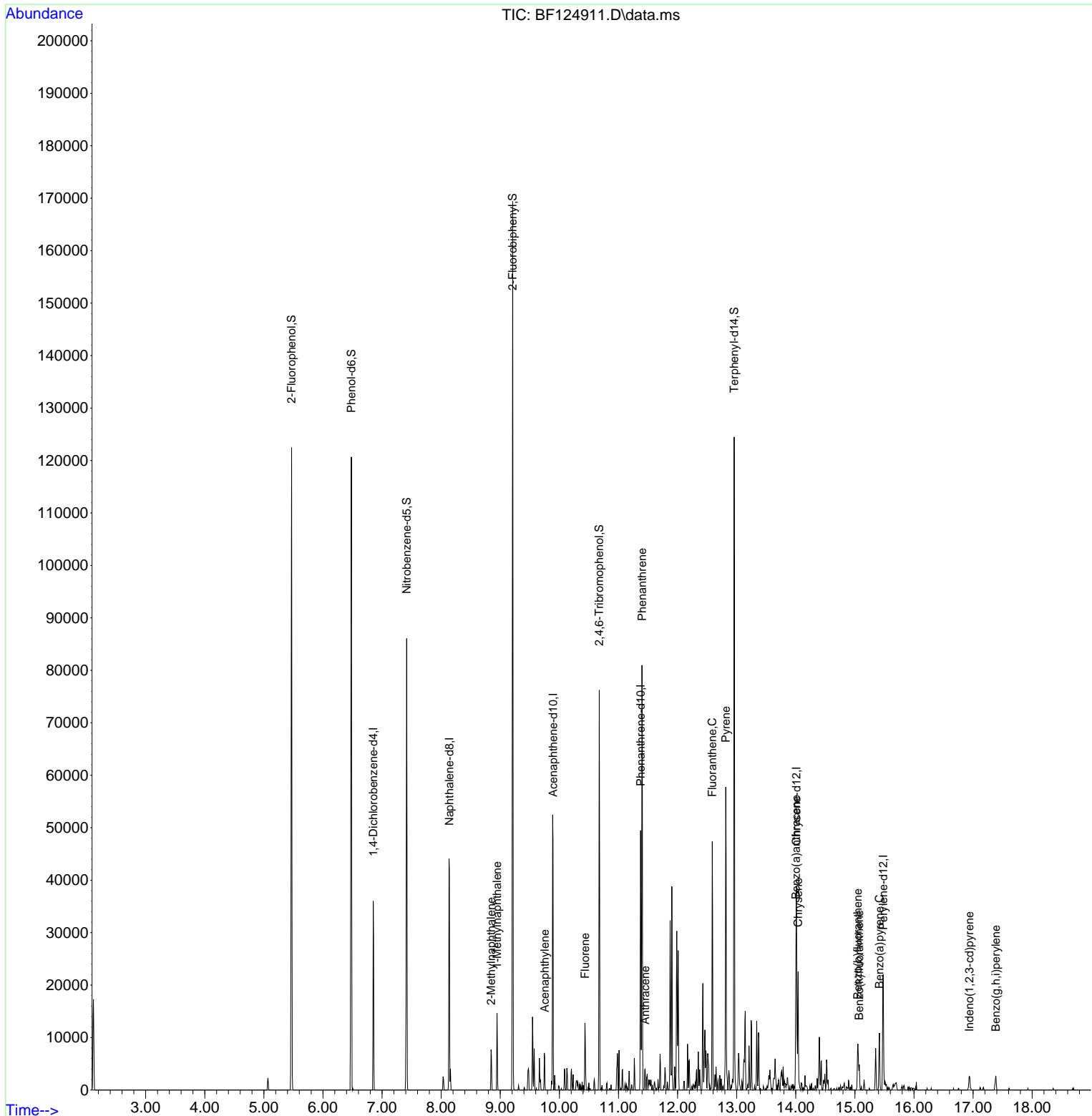
(#) = qualifier out of range (m) = manual integration (+) = signals summed

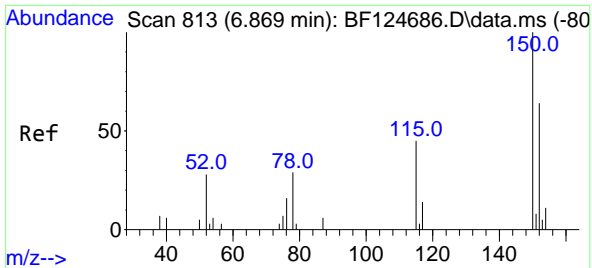
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080221\
 Data File : BF124911.D
 Acq On : 2 Aug 2021 16:57
 Operator : JU/CG
 Sample : M3253-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampled :
 MH-2-COMP

Manual Integrations
APPROVED
 mohammad
 8/3/2021 11:48:33 AM

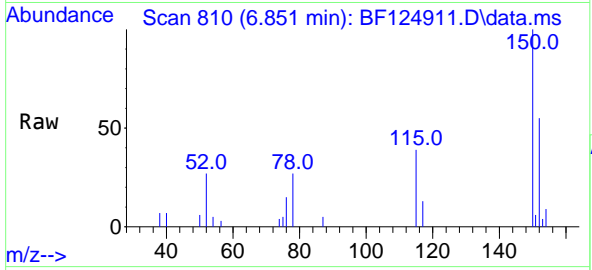
Quant Time: Aug 02 17:31:50 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 02 11:15:51 2021
 Response via : Initial Calibration





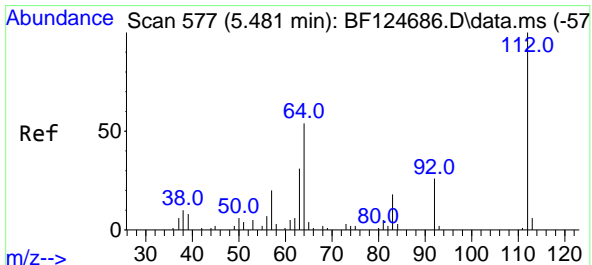
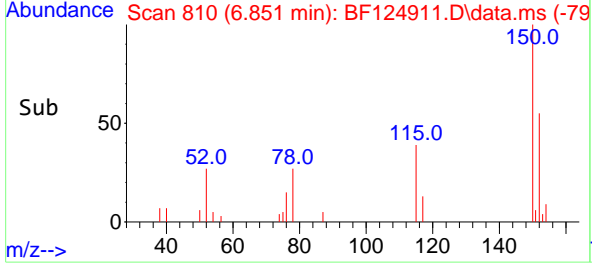
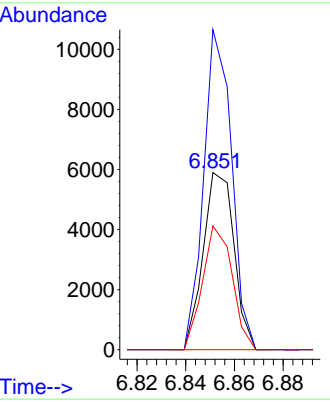
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.851 min Scan# 810
 Delta R.T. -0.006 min
 Lab File: BF124911.D
 Acq: 2 Aug 2021 16:57

Instrument :
 BNA_F
ClientSampled :
 MH-2-COMP

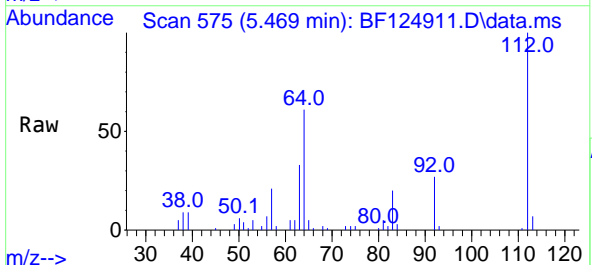


Tgt Ion:152 Resp: 5199
 Ion Ratio Lower Upper
 152 100
 150 180.7 117.6 176.4#
 115 69.8 47.1 70.7

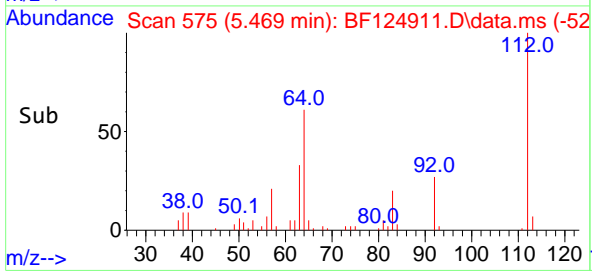
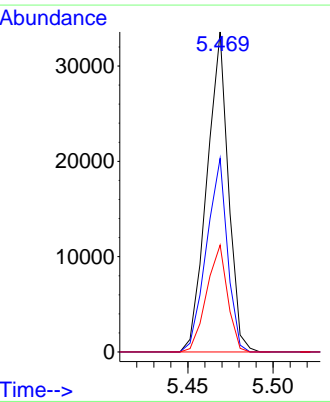
Manual Integrations
APPROVED
 mohammad
 8/3/2021 11:48:33 AM

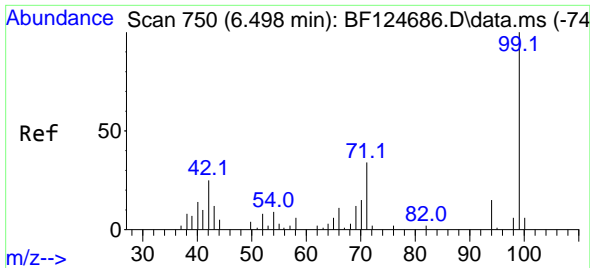


#5
 2-Fluorophenol
 Concen: 95.708 ng
 RT: 5.469 min Scan# 575
 Delta R.T. -0.006 min
 Lab File: BF124911.D
 Acq: 2 Aug 2021 16:57



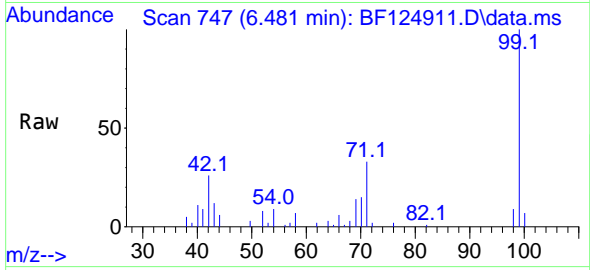
Tgt Ion:112 Resp: 29388
 Ion Ratio Lower Upper
 112 100
 64 60.5 44.2 66.2
 63 33.4 26.2 39.2





#7
Phenol-d6
Concen: 94.496 ng
RT: 6.481 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF124911.D
Acq: 2 Aug 2021 16:57

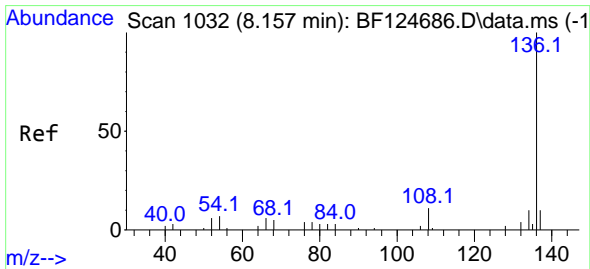
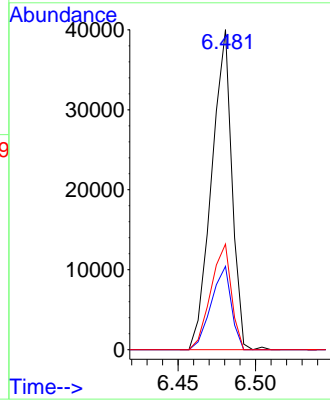
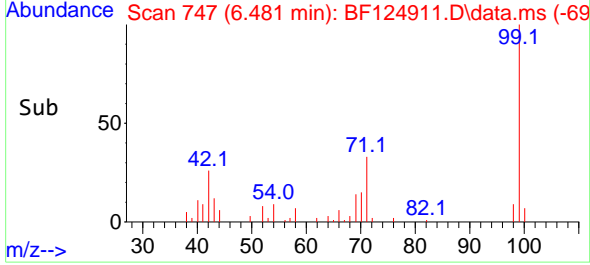
Instrument :
BNA_F
ClientSampled :
MH-2-COMP



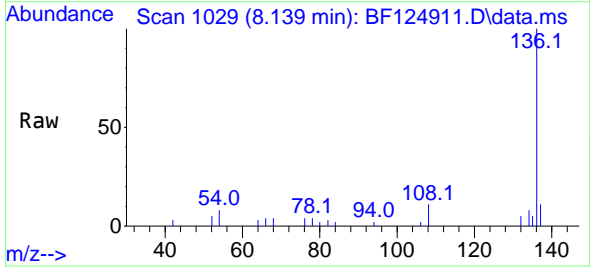
Tgt Ion: 99 Resp: 36376
Ion Ratio Lower Upper
99 100
42 26.1 23.5 35.3
71 33.0 25.6 38.4

Manual Integrations
APPROVED

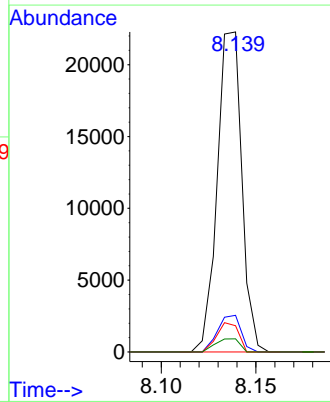
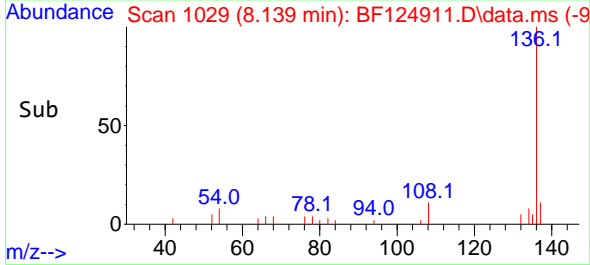
mohammad
8/3/2021 11:48:33 AM

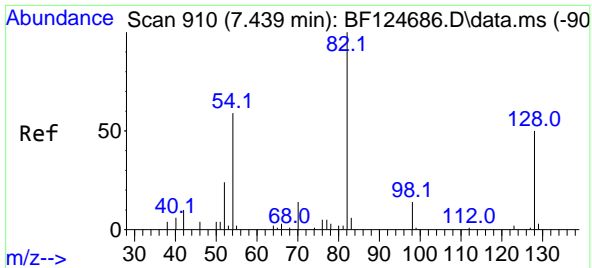


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.000 min
Lab File: BF124911.D
Acq: 2 Aug 2021 16:57



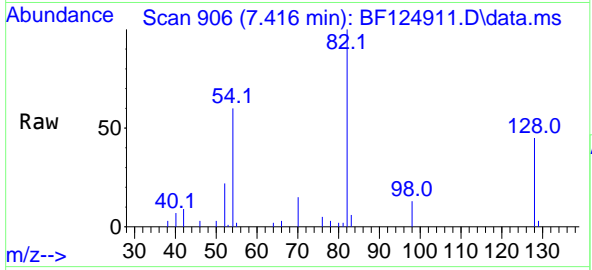
Tgt Ion: 136 Resp: 20154
Ion Ratio Lower Upper
136 100
137 11.4 9.8 14.6
54 8.2 6.4 9.6
68 4.1 3.3 4.9





#23
 Nitrobenzene-d5
 Concen: 70.554 ng
 RT: 7.416 min Scan# 906
 Delta R.T. -0.012 min
 Lab File: BF124911.D
 Acq: 2 Aug 2021 16:57

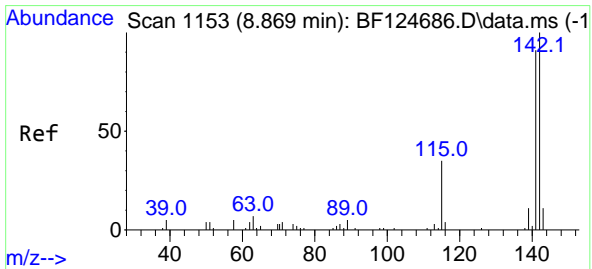
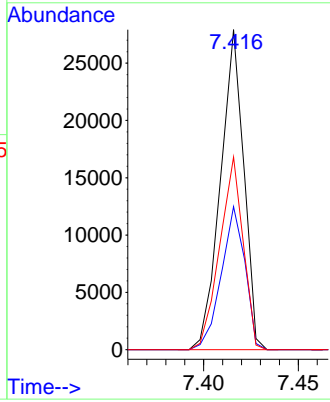
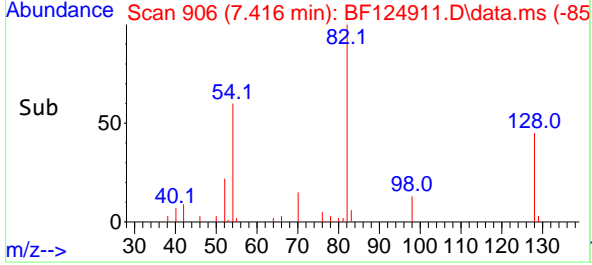
Instrument :
 BNA_F
ClientSampled :
 MH-2-COMP



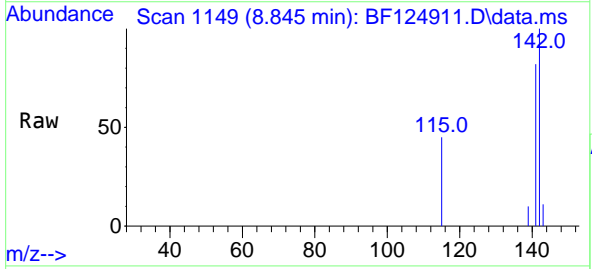
Tgt Ion: 82 Resp: 23891

Ion	Ratio	Lower	Upper
82	100		
128	44.7	40.6	60.8
54	60.2	49.6	74.4

Manual Integrations
APPROVED
 mohammad
 8/3/2021 11:48:33 AM

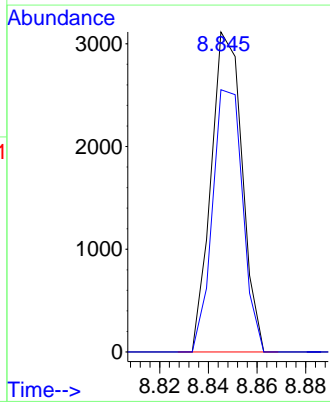
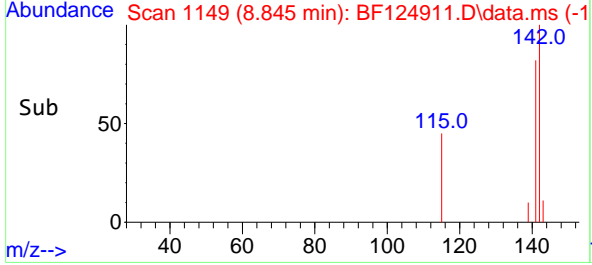


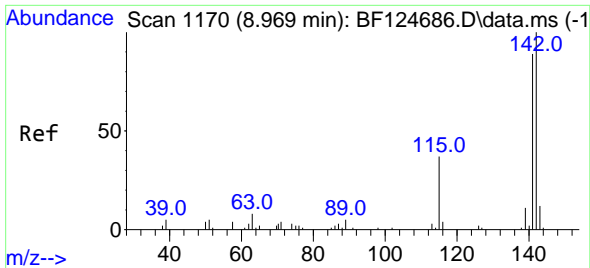
#37
 2-Methylnaphthalene
 Concen: 3.932 ng
 RT: 8.845 min Scan# 1149
 Delta R.T. -0.006 min
 Lab File: BF124911.D
 Acq: 2 Aug 2021 16:57



Tgt Ion: 142 Resp: 2763

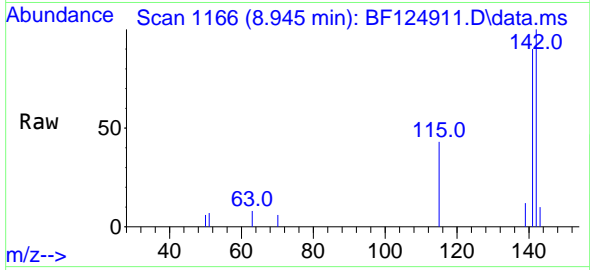
Ion	Ratio	Lower	Upper
142	100		
141	82.0	71.2	106.8





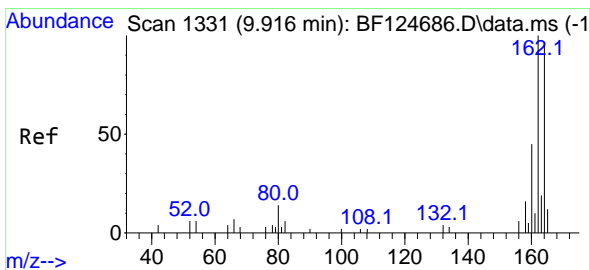
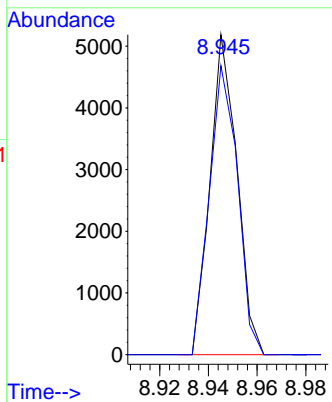
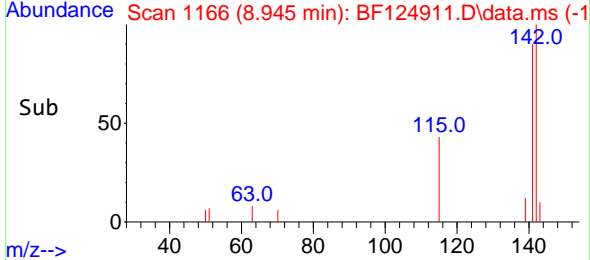
#38
 1-Methylnaphthalene
 Concen: 6.001 ng
 RT: 8.945 min Scan# 1166
 Delta R.T. -0.006 min
 Lab File: BF124911.D
 Acq: 2 Aug 2021 16:57

Instrument :
 BNA_F
ClientSampled :
 MH-2-COMP

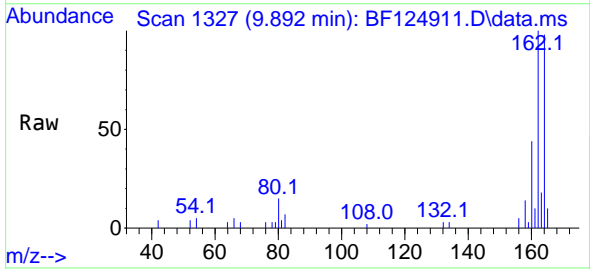


Tgt Ion:142 Resp: 3995
 Ion Ratio Lower Upper
 142 100
 141 90.3 76.0 114.0

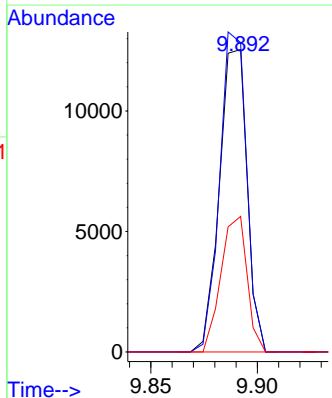
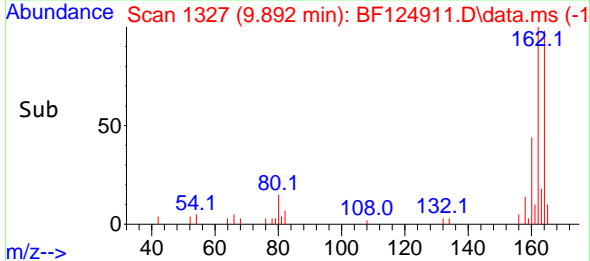
Manual Integrations
APPROVED
 mohammad
 8/3/2021 11:48:33 AM

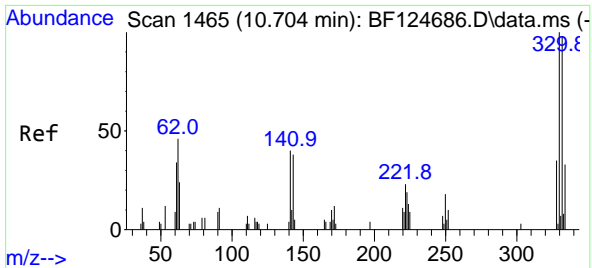


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.892 min Scan# 1327
 Delta R.T. -0.000 min
 Lab File: BF124911.D
 Acq: 2 Aug 2021 16:57



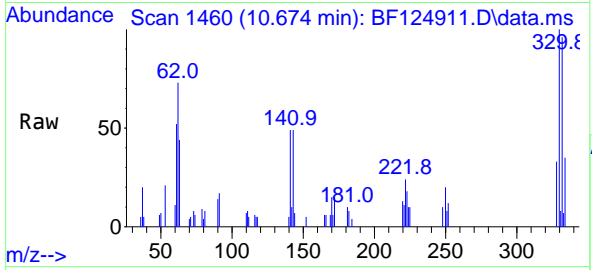
Tgt Ion:164 Resp: 11369
 Ion Ratio Lower Upper
 164 100
 162 102.3 81.3 121.9
 160 44.8 38.0 57.0





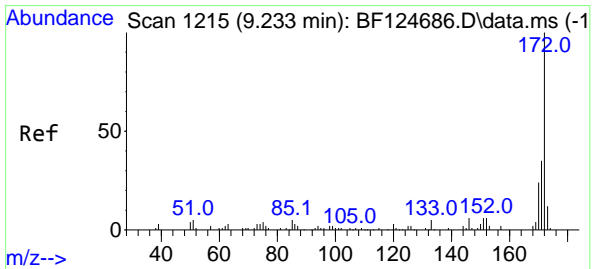
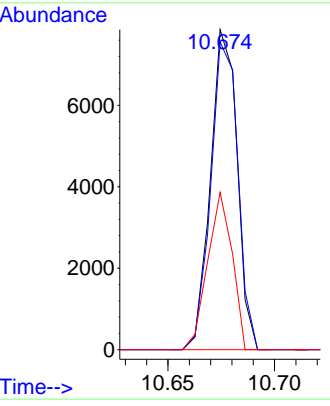
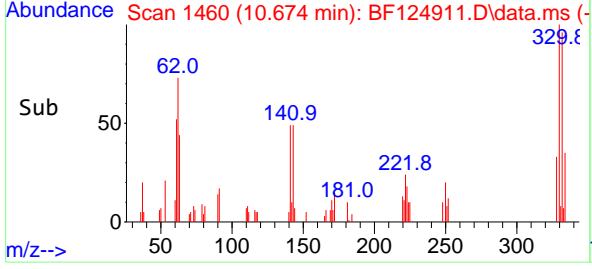
#42
 2,4,6-Tribromophenol
 Concen: 69.990 ng
 RT: 10.674 min Scan# 1460
 Delta R.T. -0.012 min
 Lab File: BF124911.D
 Acq: 2 Aug 2021 16:57

Instrument :
 BNA_F
ClientSampled :
 MH-2-COMP

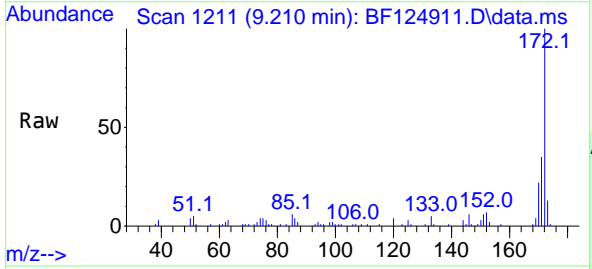


Tgt Ion: 330 Resp: 6832
 Ion Ratio Lower Upper
 330 100
 332 98.2 76.2 114.4
 141 45.1 44.6 66.8

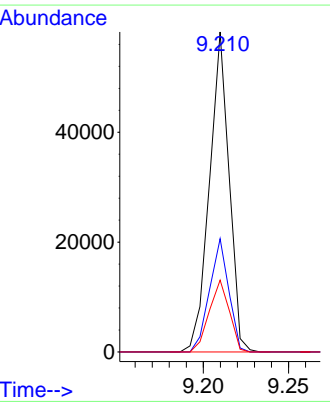
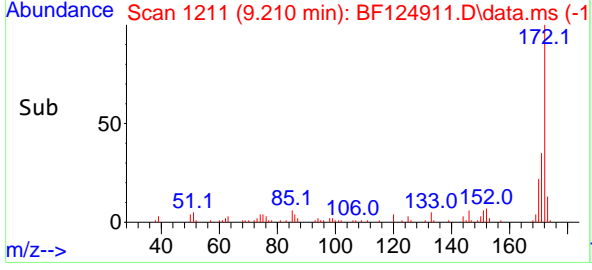
Manual Integrations
APPROVED
 mohammad
 8/3/2021 11:48:33 AM

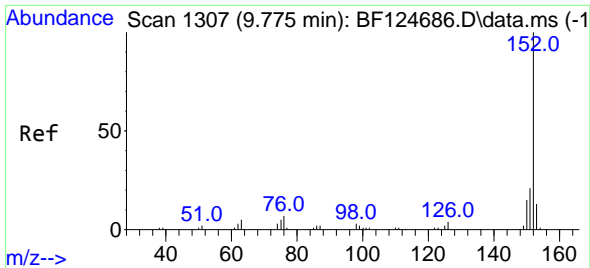


#45
 2-Fluorobiphenyl
 Concen: 60.407 ng
 RT: 9.210 min Scan# 1211
 Delta R.T. -0.006 min
 Lab File: BF124911.D
 Acq: 2 Aug 2021 16:57



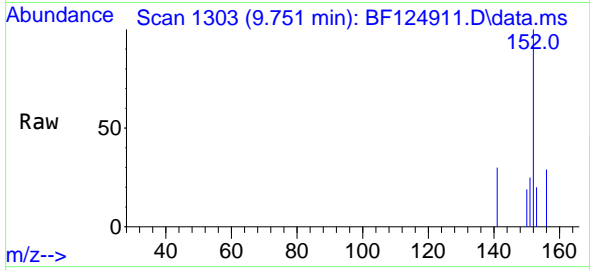
Tgt Ion: 172 Resp: 46759
 Ion Ratio Lower Upper
 172 100
 171 35.4 26.5 39.7
 170 22.5 18.8 28.2





#49
 Acenaphthylene
 Concen: 2.260 ng
 RT: 9.751 min Scan# 1303
 Delta R.T. -0.006 min
 Lab File: BF124911.D
 Acq: 2 Aug 2021 16:57

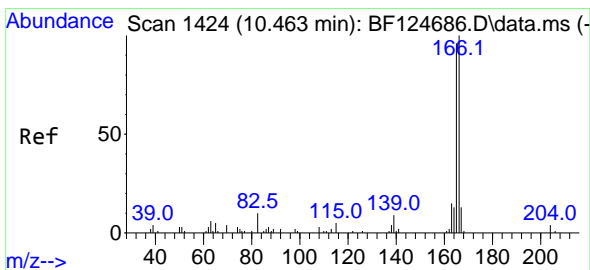
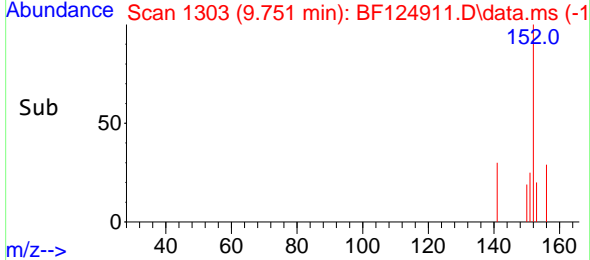
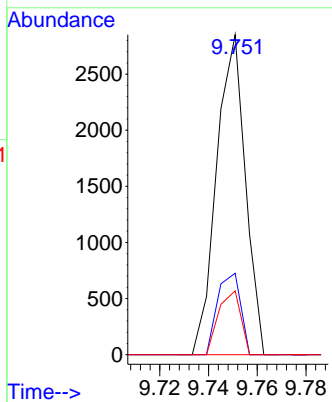
Instrument :
 BNA_F
ClientSampled :
 MH-2-COMP



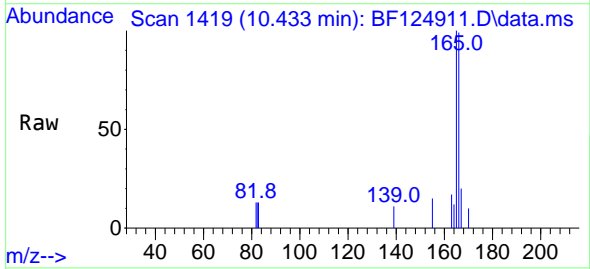
Tgt Ion:152 Resp: 2341

Ion	Ratio	Lower	Upper
152	100		
151	25.5	15.7	23.5#
153	19.9	9.8	14.8#

Manual Integrations
APPROVED
 mohammad
 8/3/2021 11:48:33 AM

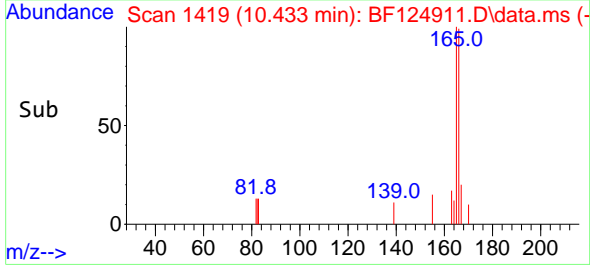
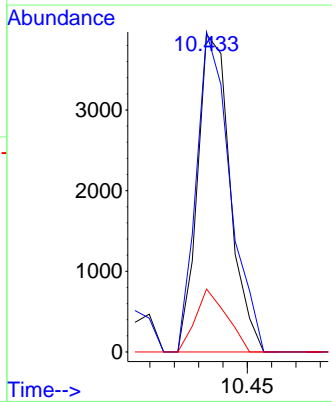


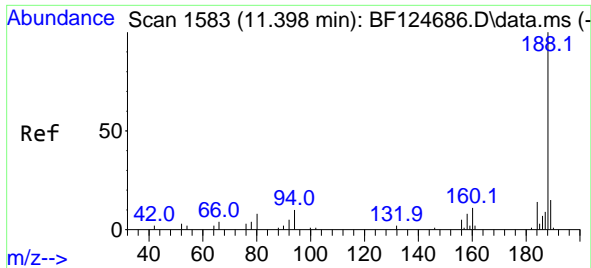
#58
 Fluorene
 Concen: 4.875 ng
 RT: 10.433 min Scan# 1419
 Delta R.T. -0.012 min
 Lab File: BF124911.D
 Acq: 2 Aug 2021 16:57



Tgt Ion:166 Resp: 3670

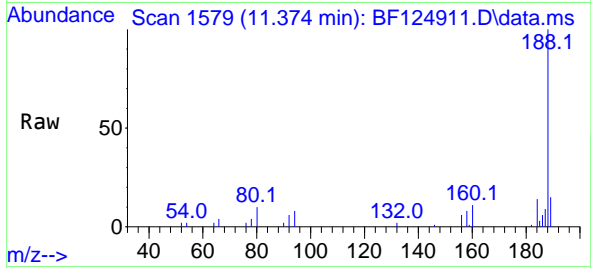
Ion	Ratio	Lower	Upper
166	100		
165	100.7	78.1	117.1
167	19.8	11.1	16.7#





#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.374 min Scan# 1579
 Delta R.T. -0.006 min
 Lab File: BF124911.D
 Acq: 2 Aug 2021 16:57

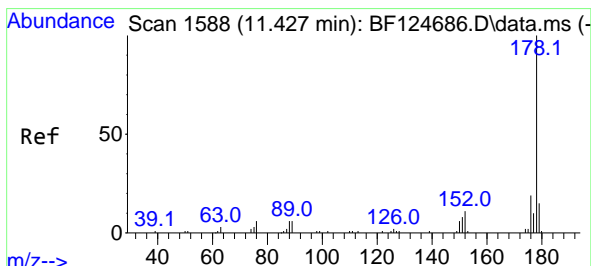
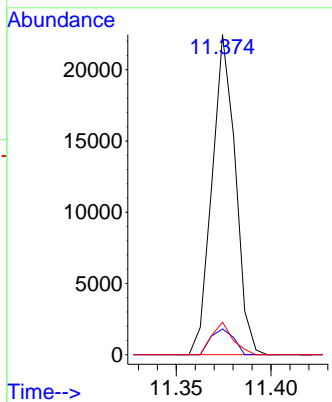
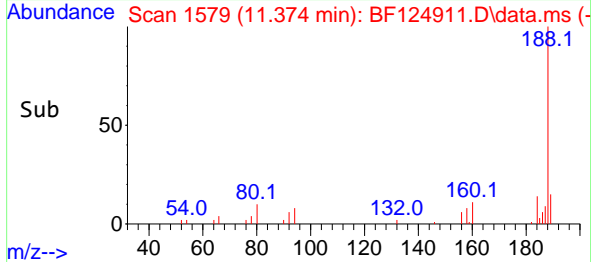
Instrument :
 BNA_F
 ClientSampled :
 MH-2-COMP



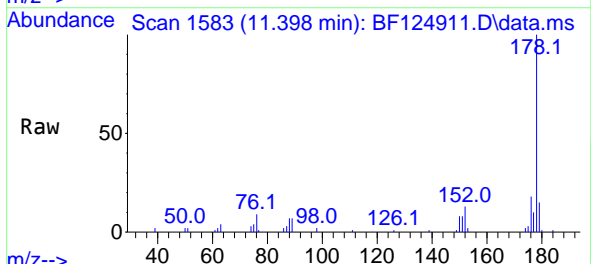
Tgt Ion:188 Resp: 19302
 Ion Ratio Lower Upper
 188 100
 94 8.0 6.7 10.1
 80 10.1 7.5 11.3

Manual Integrations
 APPROVED

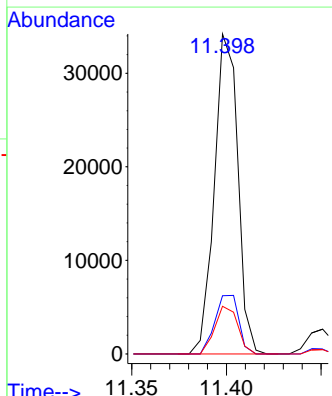
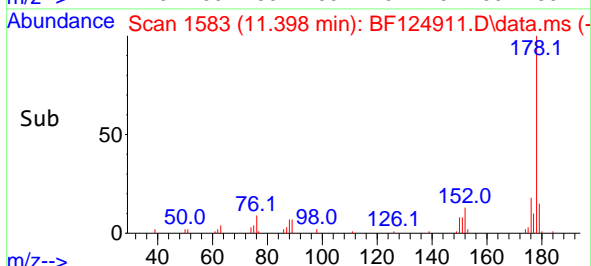
mohammad
 8/3/2021 11:48:33 AM

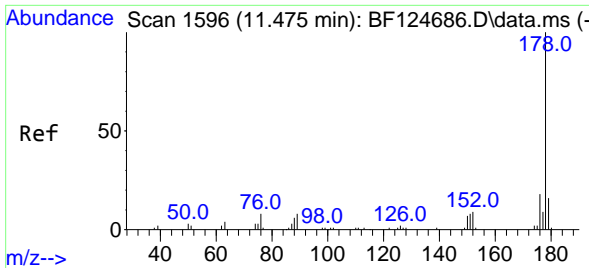


#71
 Phenanthrene
 Concen: 28.349 ng
 RT: 11.398 min Scan# 1583
 Delta R.T. -0.006 min
 Lab File: BF124911.D
 Acq: 2 Aug 2021 16:57



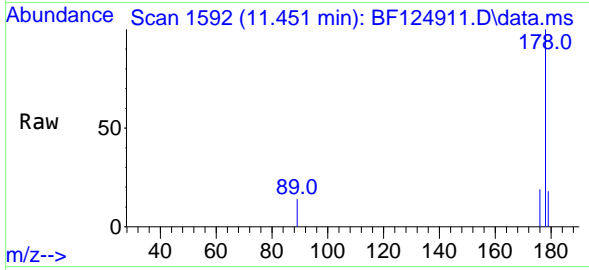
Tgt Ion:178 Resp: 29430
 Ion Ratio Lower Upper
 178 100
 176 18.2 14.7 22.1
 179 14.9 11.5 17.3





#72
 Anthracene
 Concen: 2.285 ng
 RT: 11.451 min Scan# 1592
 Delta R.T. -0.006 min
 Lab File: BF124911.D
 Acq: 2 Aug 2021 16:57

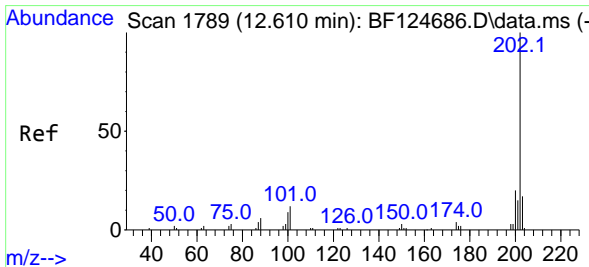
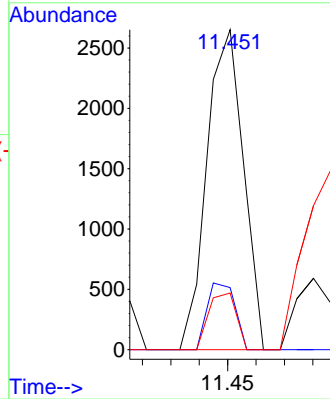
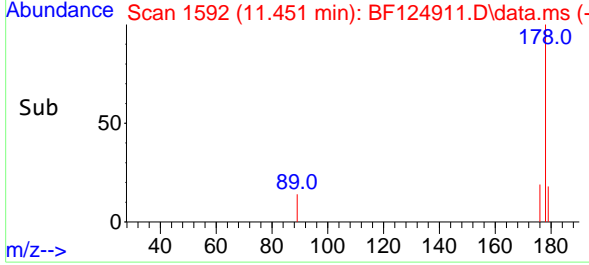
Instrument :
 BNA_F
 ClientSampleId :
 MH-2-COMP



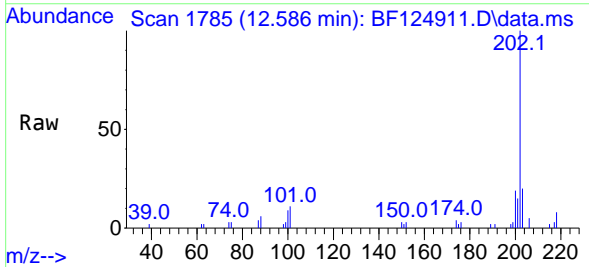
Tgt Ion:178 Resp: 2371
 Ion Ratio Lower Upper
 178 100
 176 19.4 14.3 21.5
 179 17.7 12.2 18.4

Manual Integrations
 APPROVED

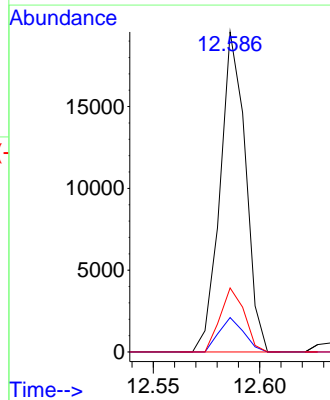
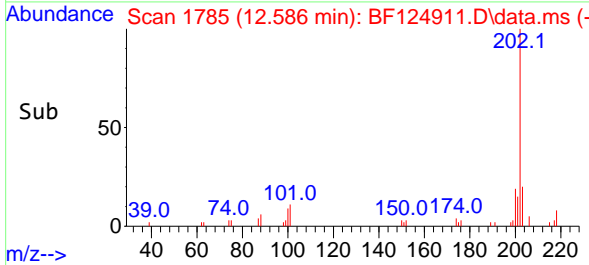
mohammad
 8/3/2021 11:48:33 AM

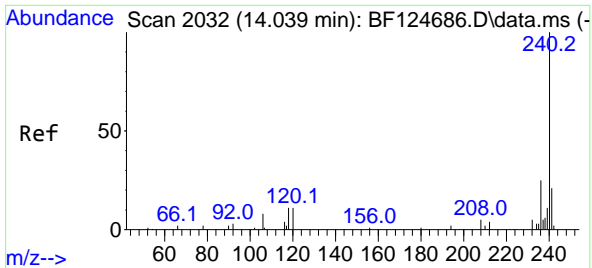


#75
 Fluoranthene
 Concen: 15.295 ng
 RT: 12.586 min Scan# 1785
 Delta R.T. -0.006 min
 Lab File: BF124911.D
 Acq: 2 Aug 2021 16:57



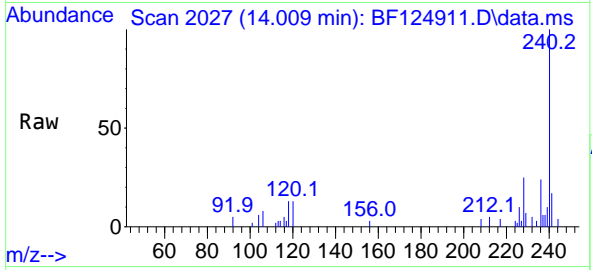
Tgt Ion:202 Resp: 16203
 Ion Ratio Lower Upper
 202 100
 101 10.7 0.0 30.7
 203 20.0 0.0 36.3





#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.009 min Scan# 2027
 Delta R.T. -0.012 min
 Lab File: BF124911.D
 Acq: 2 Aug 2021 16:57

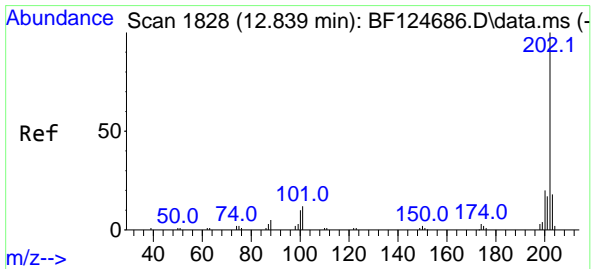
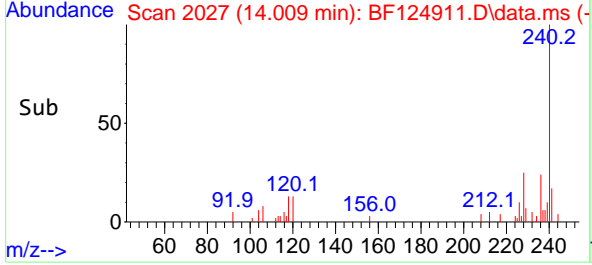
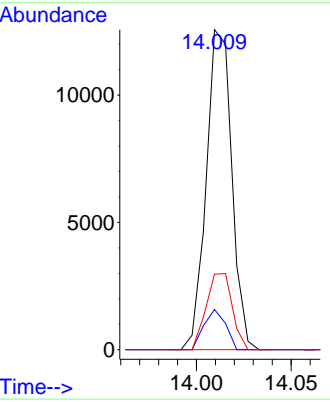
Instrument :
 BNA_F
ClientSampled :
 MH-2-COMP



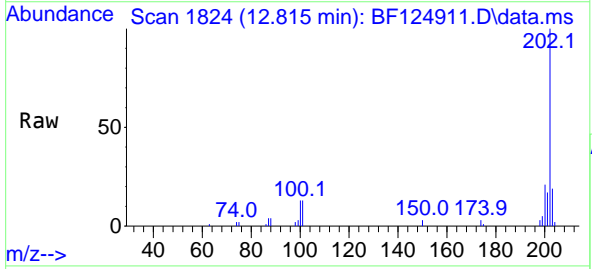
Tgt Ion:240 Resp: 11788

Ion	Ratio	Lower	Upper
240	100		
120	12.6	10.8	16.2
236	23.6	21.6	32.4

Manual Integrations
APPROVED
 mohammad
 8/3/2021 11:48:33 AM

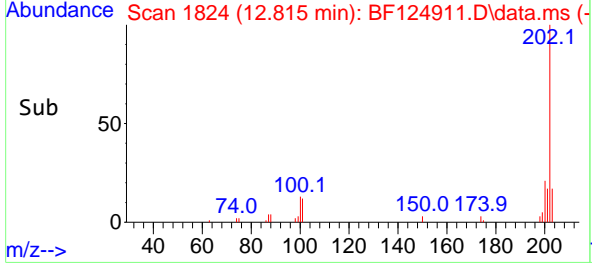
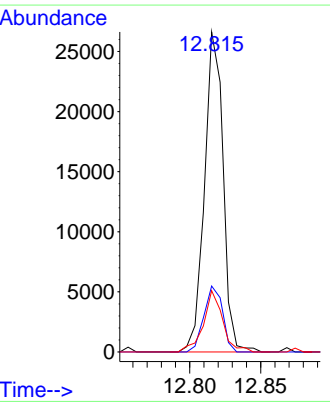


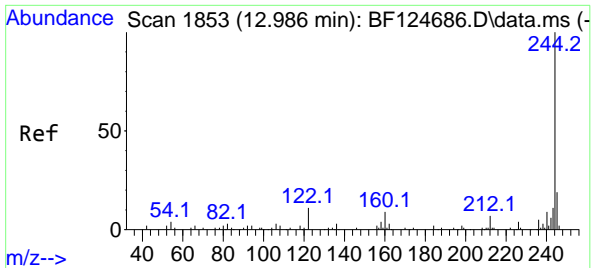
#78
 Pyrene
 Concen: 25.948 ng
 RT: 12.815 min Scan# 1824
 Delta R.T. -0.006 min
 Lab File: BF124911.D
 Acq: 2 Aug 2021 16:57



Tgt Ion:202 Resp: 24215

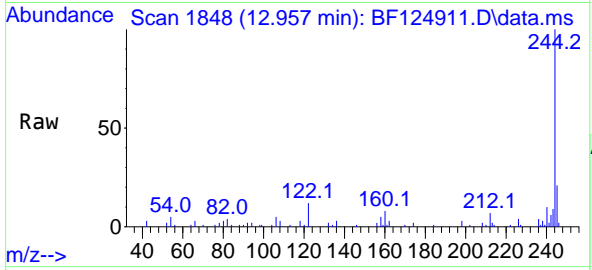
Ion	Ratio	Lower	Upper
202	100		
200	20.6	15.3	22.9
203	19.1	13.4	20.0





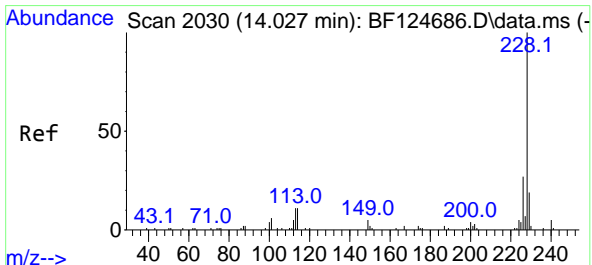
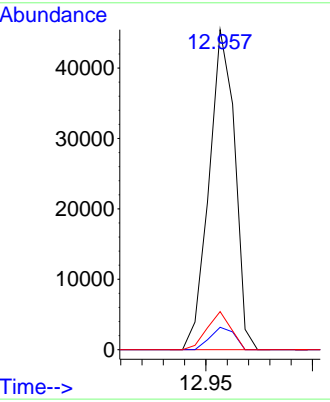
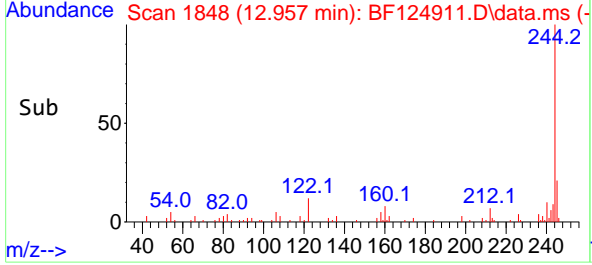
#79
 Terphenyl-d14
 Concen: 55.509 ng
 RT: 12.957 min Scan# 1848
 Delta R.T. -0.006 min
 Lab File: BF124911.D
 Acq: 2 Aug 2021 16:57

Instrument :
 BNA_F
ClientSampled :
 MH-2-COMP

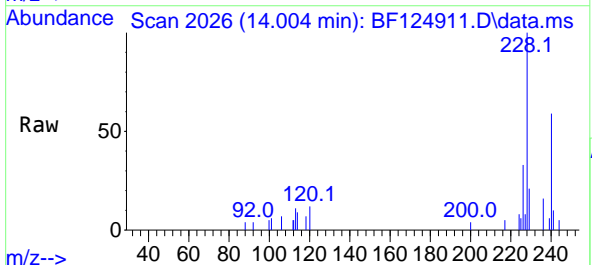


Tgt Ion:244 Resp: 38173
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.9 8.9
 122 11.9 9.0 13.4

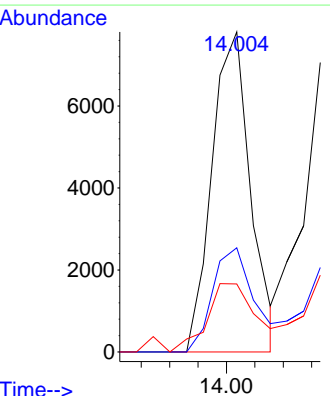
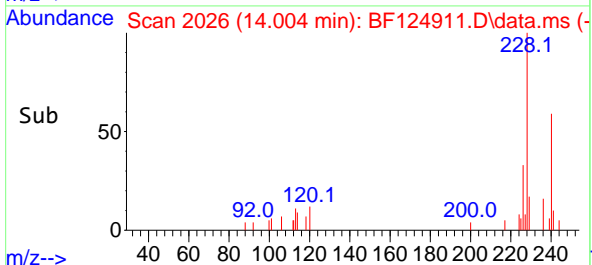
Manual Integrations
APPROVED
 mohammad
 8/3/2021 11:48:33 AM

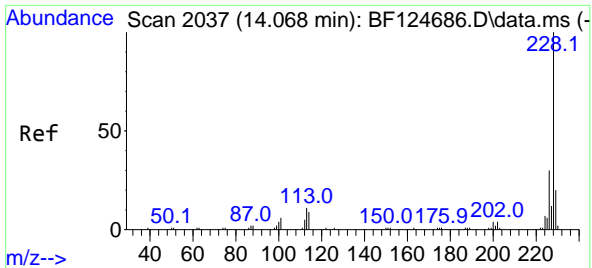


#81
 Benzo(a)anthracene
 Concen: 9.572 ng
 RT: 14.004 min Scan# 2026
 Delta R.T. -0.006 min
 Lab File: BF124911.D
 Acq: 2 Aug 2021 16:57



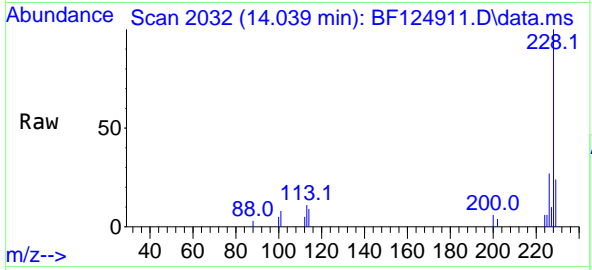
Tgt Ion:228 Resp: 7376
 Ion Ratio Lower Upper
 228 100
 226 32.5 21.6 32.4#
 229 21.2 15.6 23.4





#83
 Chrysene
 Concen: 12.816 ng
 RT: 14.039 min Scan# 2032
 Delta R.T. -0.006 min
 Lab File: BF124911.D
 Acq: 2 Aug 2021 16:57

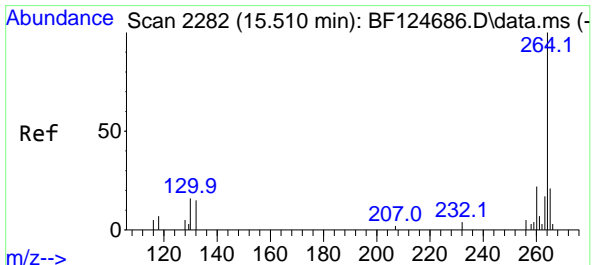
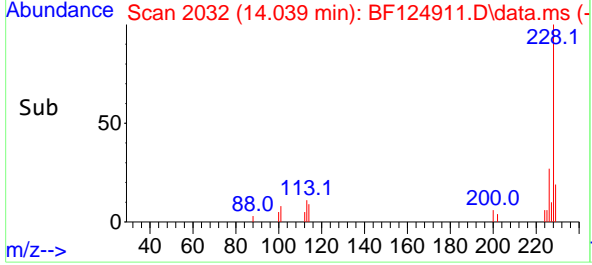
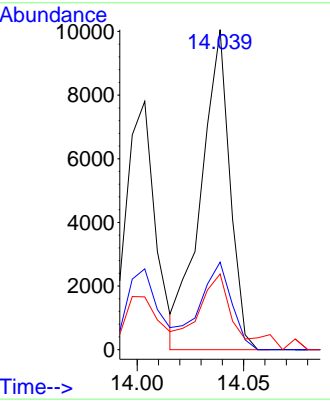
Instrument :
 BNA_F
ClientSampled :
 MH-2-COMP



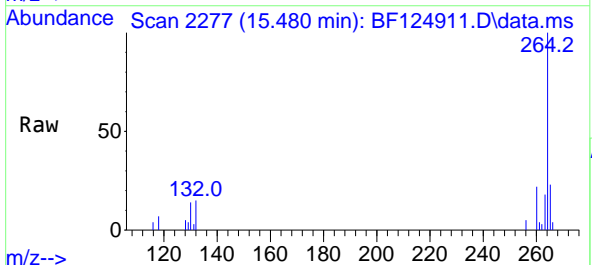
Tgt Ion:228 Resp: 9514

Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.6	34.0
229	23.6	15.9	23.9

Manual Integrations
APPROVED
 mohammad
 8/3/2021 11:48:33 AM

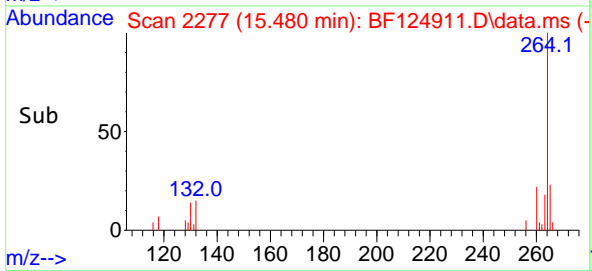
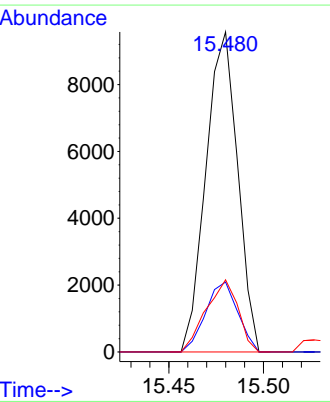


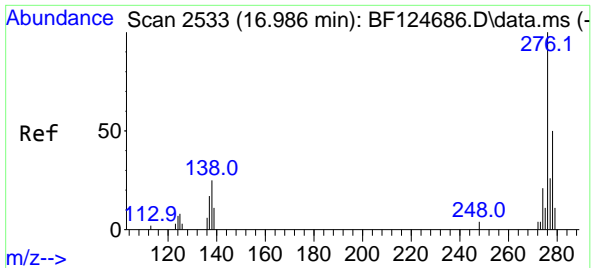
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.480 min Scan# 2277
 Delta R.T. -0.000 min
 Lab File: BF124911.D
 Acq: 2 Aug 2021 16:57



Tgt Ion:264 Resp: 11137

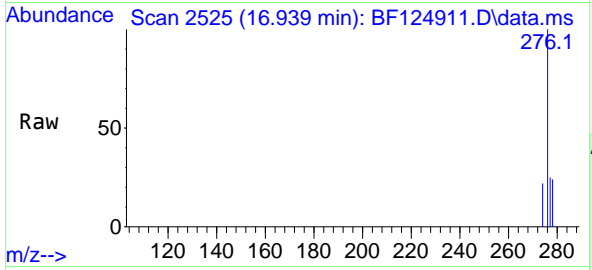
Ion	Ratio	Lower	Upper
264	100		
260	21.8	19.6	29.4
265	22.5	17.2	25.8





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.062 ng
 RT: 16.939 min Scan# 2525
 Delta R.T. -0.012 min
 Lab File: BF124911.D
 Acq: 2 Aug 2021 16:57

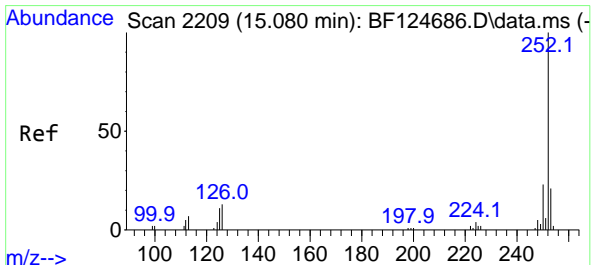
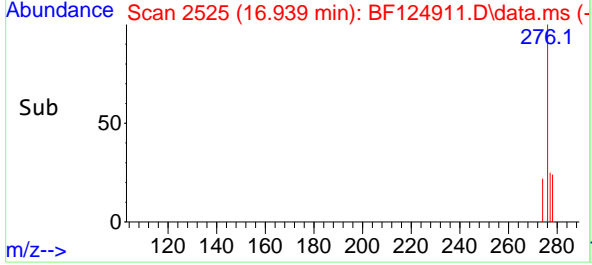
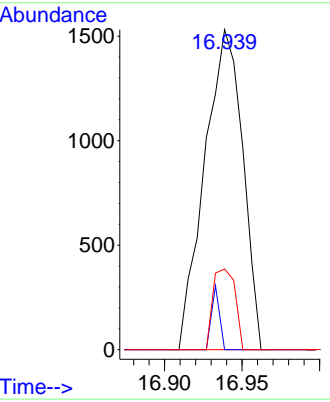
Instrument :
 BNA_F
ClientSampled :
 MH-2-COMP



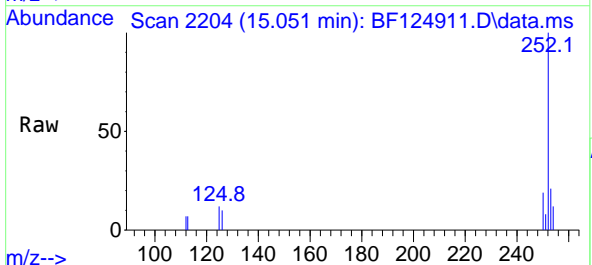
Tgt Ion: 276 Resp: 2612

Ion	Ratio	Lower	Upper
276	100		
138	4.1	24.1	36.1#
277	14.7	18.8	28.2#

Manual Integrations
APPROVED
 mohammad
 8/3/2021 11:48:33 AM

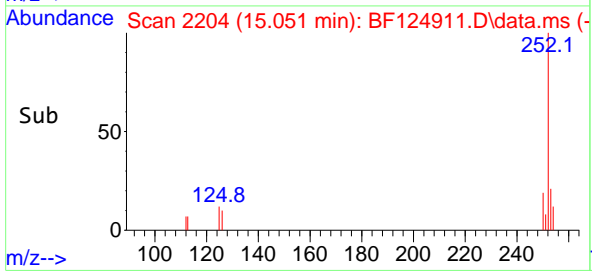
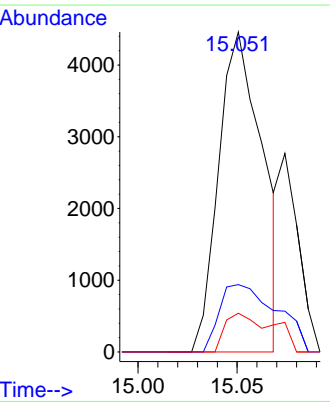


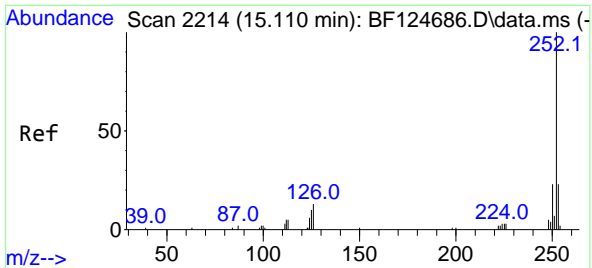
#88
 Benzo(b)fluoranthene
 Concen: 8.772 ng m
 RT: 15.051 min Scan# 2204
 Delta R.T. -0.006 min
 Lab File: BF124911.D
 Acq: 2 Aug 2021 16:57



Tgt Ion: 252 Resp: 6878

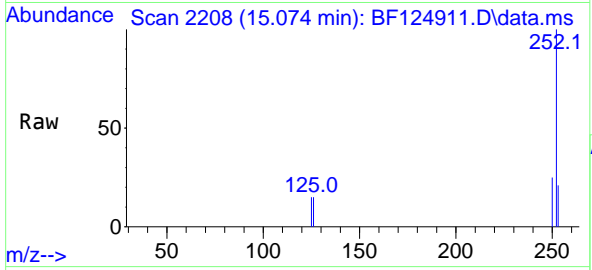
Ion	Ratio	Lower	Upper
252	100		
253	21.0	16.8	25.2
125	12.1	9.8	14.8





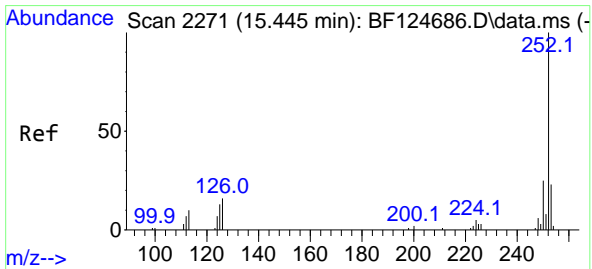
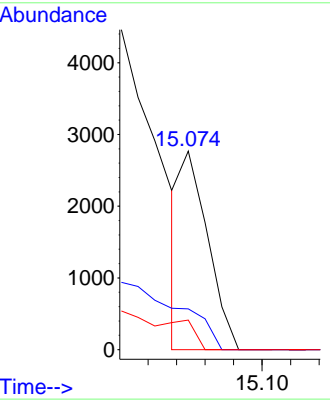
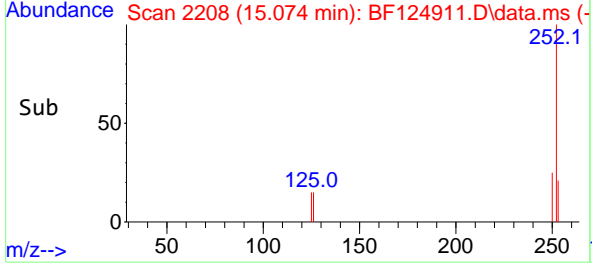
#89
 Benzo(k)fluoranthene
 Concen: 2.530 ng m
 RT: 15.074 min Scan# 2208
 Delta R.T. -0.012 min
 Lab File: BF124911.D
 Acq: 2 Aug 2021 16:57

Instrument :
 BNA_F
ClientSampled :
 MH-2-COMP

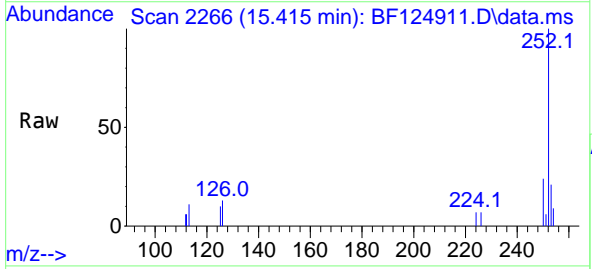


Tgt Ion:252 Resp: 1813
 Ion Ratio Lower Upper
 252 100
 253 20.5 17.8 26.8
 125 14.9 7.2 10.8#

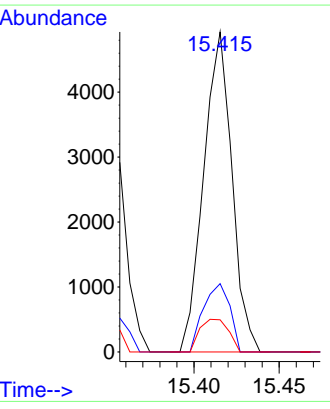
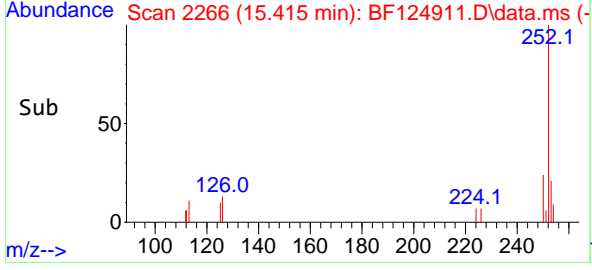
Manual Integrations
APPROVED
 mohammad
 8/3/2021 11:48:33 AM

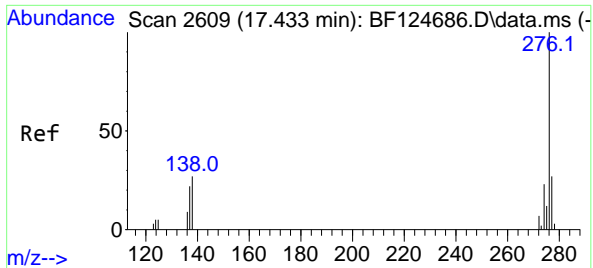


#90
 Benzo(a)pyrene
 Concen: 8.682 ng
 RT: 15.415 min Scan# 2266
 Delta R.T. -0.006 min
 Lab File: BF124911.D
 Acq: 2 Aug 2021 16:57



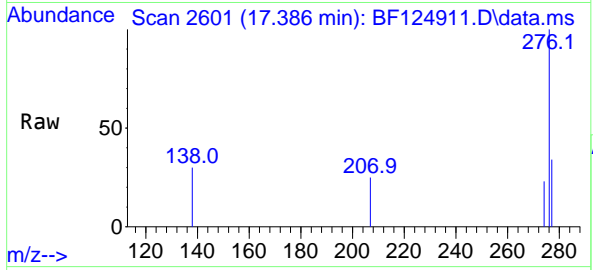
Tgt Ion:252 Resp: 5687
 Ion Ratio Lower Upper
 252 100
 253 21.4 18.4 27.6
 125 10.0 9.9 14.9





#92
 Benzo(g,h,i)perylene
 Concen: 4.079 ng
 RT: 17.386 min Scan# 2601
 Delta R.T. -0.018 min
 Lab File: BF124911.D
 Acq: 2 Aug 2021 16:57

Instrument :
 BNA_F
ClientSampled :
 MH-2-COMP



Tgt Ion: 276 Resp: 2177

Ion	Ratio	Lower	Upper
276	100		
277	34.0	22.0	33.0#
138	29.5	22.2	33.4

Manual Integrations
APPROVED
 mohammad
 8/3/2021 11:48:33 AM

