

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090121\
 Data File : BF125311.D
 Acq On : 1 Sep 2021 17:39
 Operator : JU/CG
 Sample : M3616-01 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-083121

Manual Integrations
 APPROVED

mohammad
 9/3/2021 3:30:11 PM

Quant Time: Sep 02 08:16:29 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 24 12:39:21 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	196365	20.000	ng	-0.01
21) Naphthalene-d8	8.192	136	785578	20.000	ng	# 0.00
39) Acenaphthene-d10	9.945	164	424695	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	699144	20.000	ng	0.00
76) Chrysene-d12	14.080	240	447397	20.000	ng	# 0.00
86) Perylene-d12	15.580	264	425516	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	652795	50.318	ng	0.00
7) Phenol-d6	6.527	99	831934	49.583	ng	-0.01
23) Nitrobenzene-d5	7.469	82	528076	33.842	ng	-0.01
42) 2,4,6-Tribromophenol	10.733	330	232739	54.899	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	1003650	32.937	ng	-0.01
79) Terphenyl-d14	13.021	244	857128	30.521	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.457	178	115215	2.991	ng	# 95
75) Fluoranthene	12.651	202	211851	5.542	ng	98
78) Pyrene	12.880	202	215207	5.608	ng	96
81) Benzo(a)anthracene	14.068	228	111164m	3.449	ng	
83) Chrysene	14.103	228	112344	3.524	ng	96
88) Benzo(b)fluoranthene	15.133	252	134982m	4.342	ng	
90) Benzo(a)pyrene	15.509	252	106504	3.878	ng	98

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

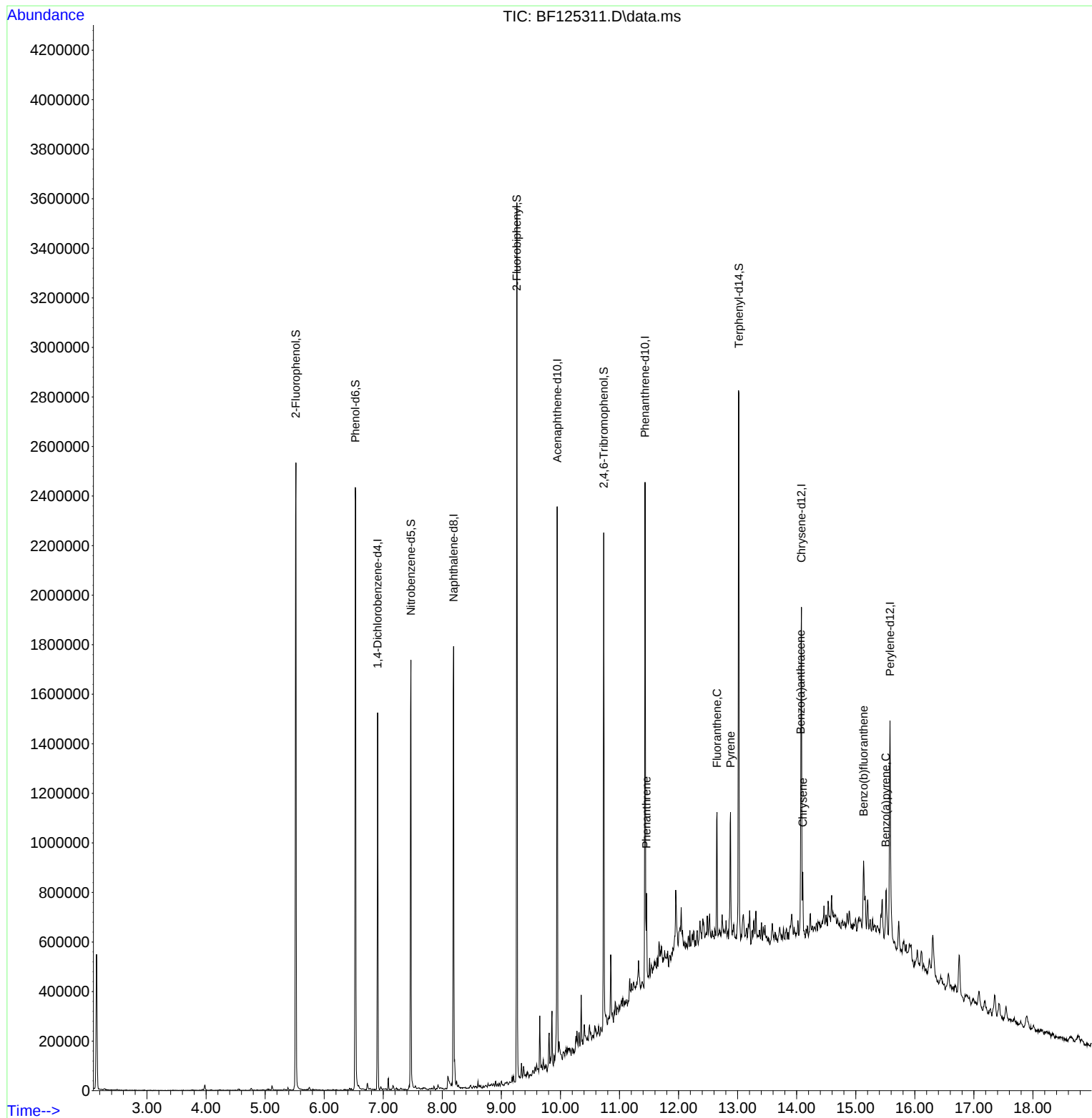
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090121\
Data File : BF125311.D
Acq On : 1 Sep 2021 17:39
Operator : JU/CG
Sample : M3616-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-083121

Manual Integrations
APPROVED

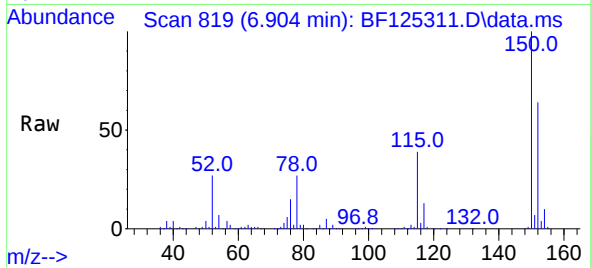
mohammad
9/3/2021 3:30:11 PM

Quant Time: Sep 02 08:16:29 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 24 12:39:21 2021
Response via : Initial Calibration

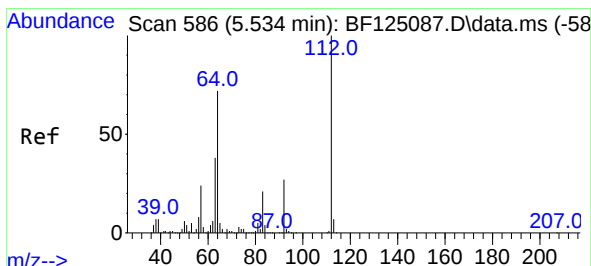
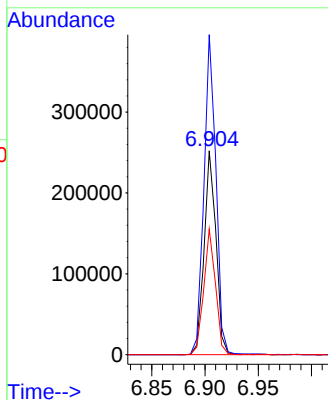
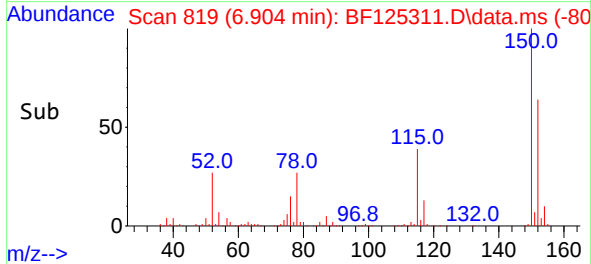




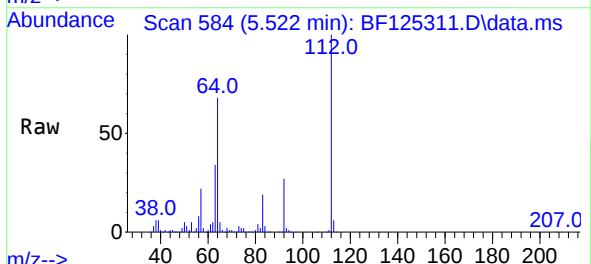
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 819
Delta R.T. -0.012 min
Lab File: BF125311.D
Acq: 1 Sep 2021 17:39



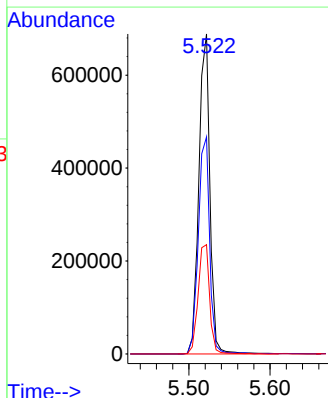
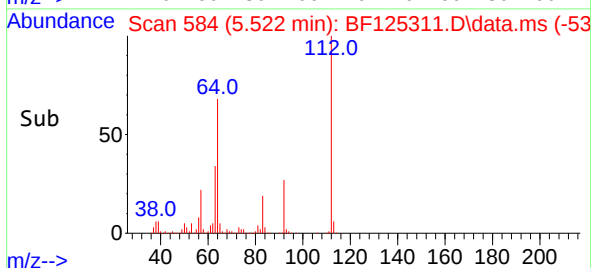
Tgt Ion:152 Resp: 196365
Ion Ratio Lower Upper
152 100
150 157.0 117.6 176.4
115 61.7 47.1 70.7



#5
2-Fluorophenol
Concen: 50.318 ng
RT: 5.522 min Scan# 584
Delta R.T. -0.006 min
Lab File: BF125311.D
Acq: 1 Sep 2021 17:39



Tgt Ion:112 Resp: 652795
Ion Ratio Lower Upper
112 100
64 67.8 44.2 66.2#
63 34.2 26.2 39.2



Instrument :
BNA_F
ClientSampleId :
CL-01-083121

Manual Integrations
APPROVED

mohammad
9/3/2021 3:30:11 PM



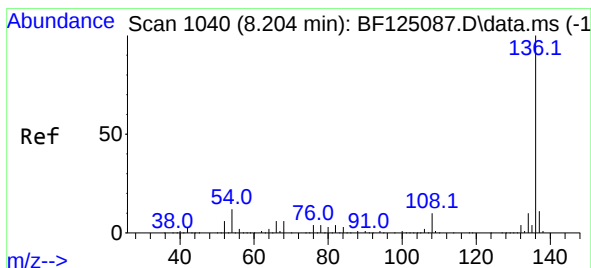
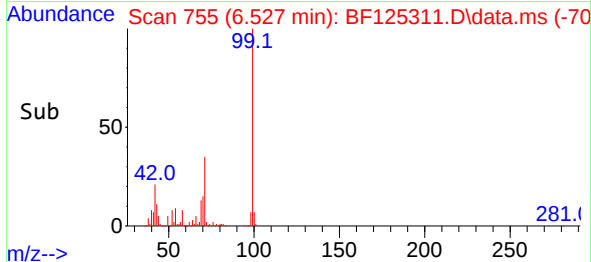
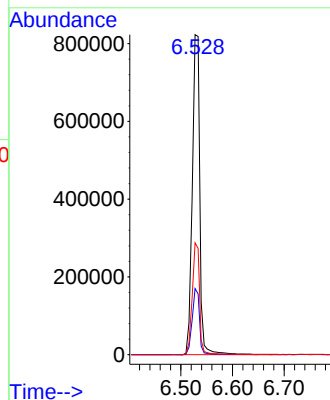
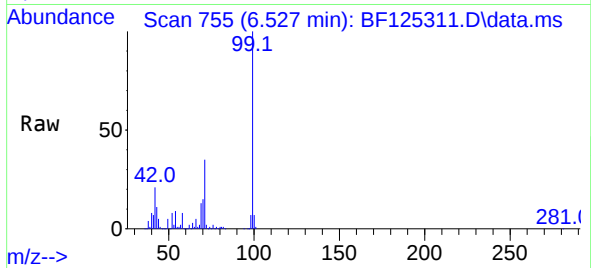
#7
Phenol-d6
Concen: 49.583 ng
RT: 6.527 min Scan# 755
Delta R.T. -0.012 min
Lab File: BF125311.D
Acq: 1 Sep 2021 17:39

Tgt Ion: 99 Resp: 831934
Ion Ratio Lower Upper
99 100
42 20.6 23.5 35.3#
71 34.9 25.6 38.4

Instrument :
BNA_F
ClientSampleId :
CL-01-083121

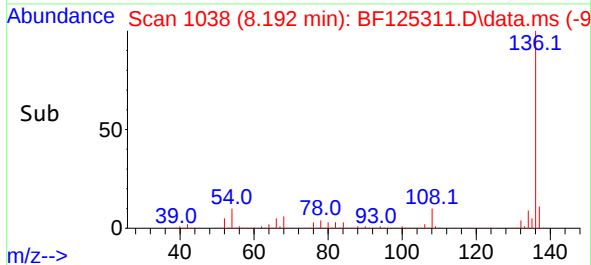
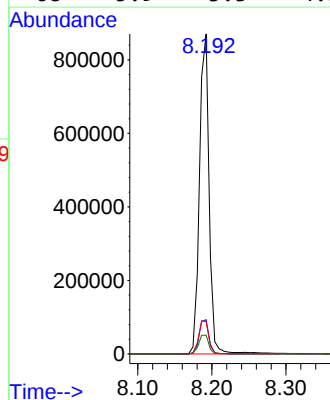
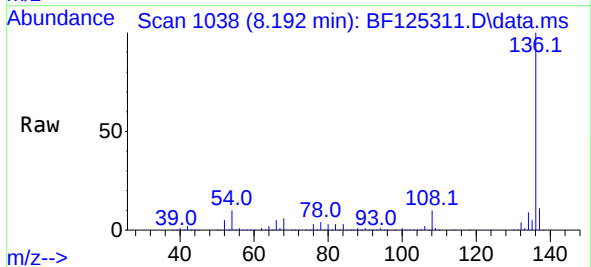
Manual Integrations
APPROVED

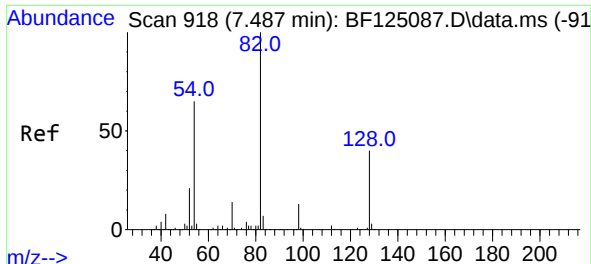
mohammad
9/3/2021 3:30:11 PM



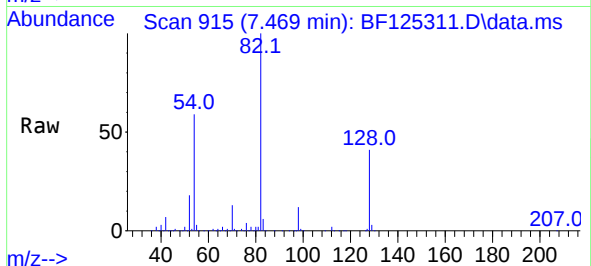
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.192 min Scan# 1038
Delta R.T. -0.006 min
Lab File: BF125311.D
Acq: 1 Sep 2021 17:39

Tgt Ion: 136 Resp: 785578
Ion Ratio Lower Upper
136 100
137 10.7 9.8 14.6
54 10.1 6.4 9.6#
68 5.9 3.3 4.9#

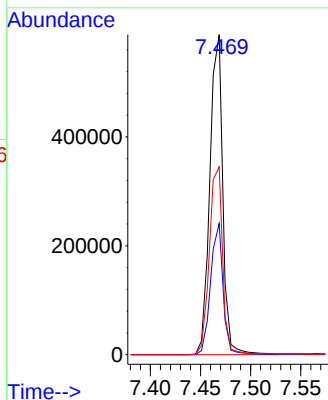
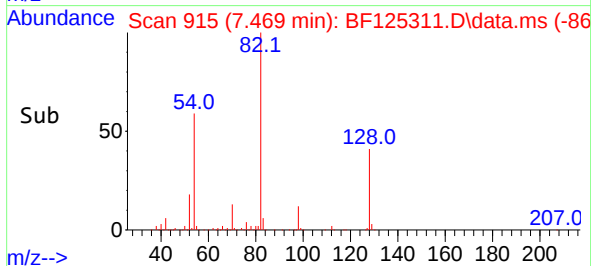




#23
Nitrobenzene-d5
Concen: 33.842 ng
RT: 7.469 min Scan# 915
Delta R.T. -0.012 min
Lab File: BF125311.D
Acq: 1 Sep 2021 17:39



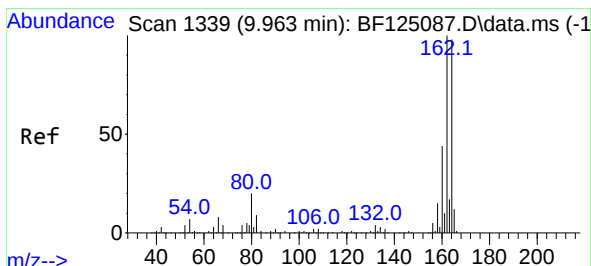
Tgt Ion: 82 Resp: 528076
Ion Ratio Lower Upper
82 100
128 41.0 40.6 60.8
54 58.6 49.6 74.4



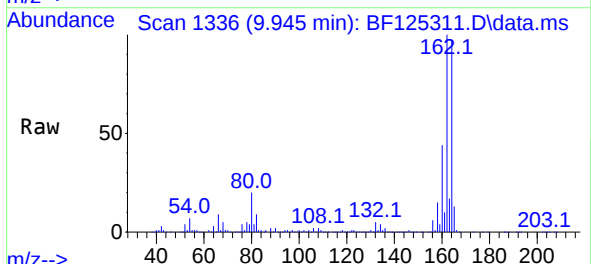
Instrument :
BNA_F
ClientSampleId :
CL-01-083121

Manual Integrations
APPROVED

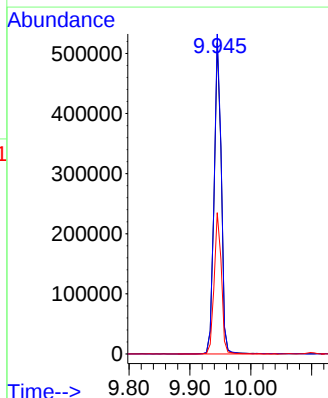
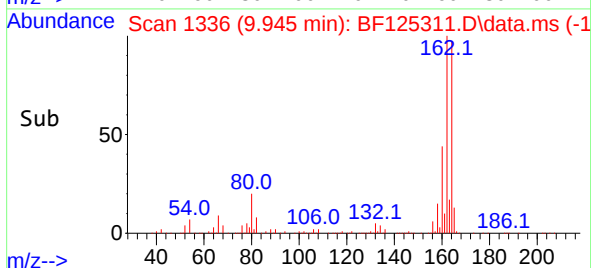
mohammad
9/3/2021 3:30:11 PM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1336
Delta R.T. -0.006 min
Lab File: BF125311.D
Acq: 1 Sep 2021 17:39



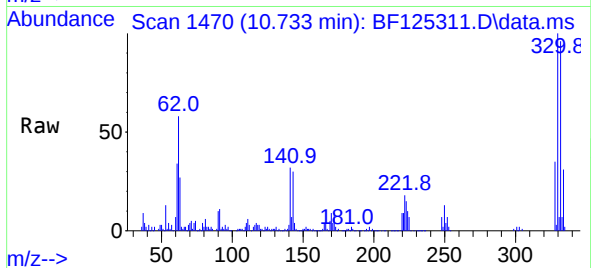
Tgt Ion: 164 Resp: 424695
Ion Ratio Lower Upper
164 100
162 102.8 81.3 121.9
160 45.4 38.0 57.0





#42
2,4,6-Tribromophenol
Concen: 54.899 ng
RT: 10.733 min Scan# 1470
Delta R.T. -0.006 min
Lab File: BF125311.D
Acq: 1 Sep 2021 17:39

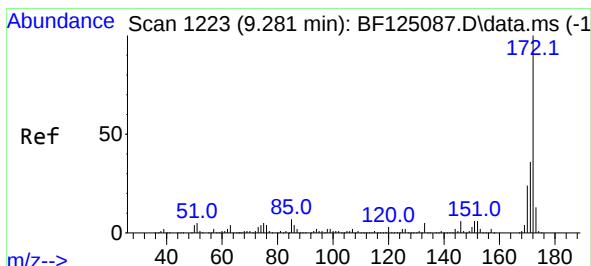
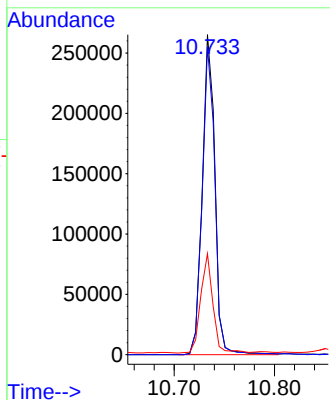
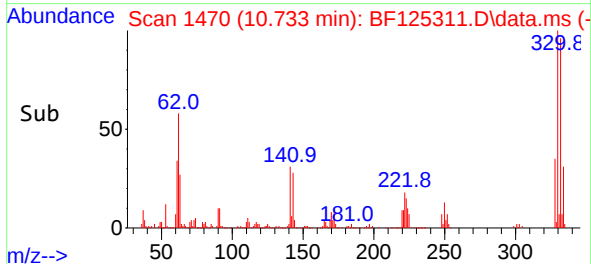
Instrument :
BNA_F
ClientSampleId :
CL-01-083121



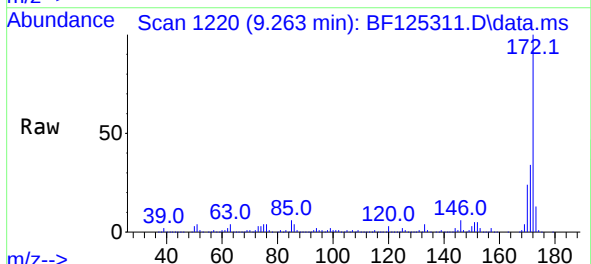
Tgt Ion:330 Resp: 232739
Ion Ratio Lower Upper
330 100
332 96.9 76.2 114.4
141 30.1 44.6 66.8#

Manual Integrations
APPROVED

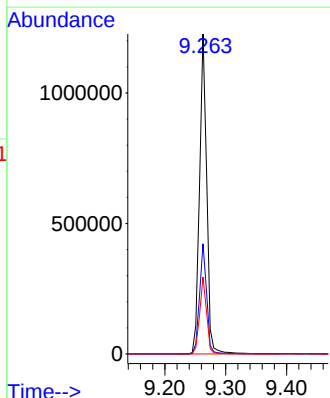
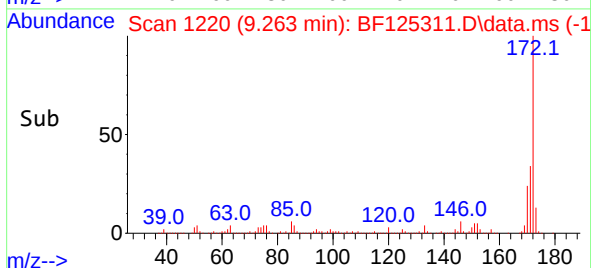
mohammad
9/3/2021 3:30:11 PM

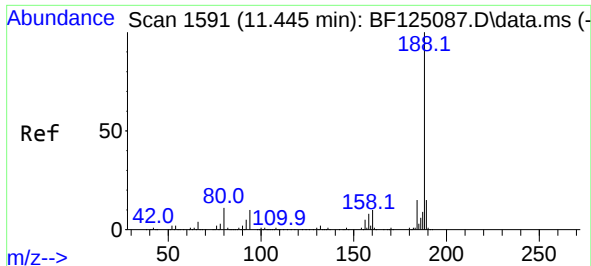


#45
2-Fluorobiphenyl
Concen: 32.937 ng
RT: 9.263 min Scan# 1220
Delta R.T. -0.012 min
Lab File: BF125311.D
Acq: 1 Sep 2021 17:39



Tgt Ion:172 Resp: 1003650
Ion Ratio Lower Upper
172 100
171 34.4 26.5 39.7
170 24.0 18.8 28.2





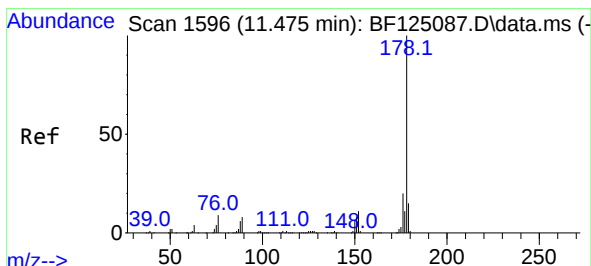
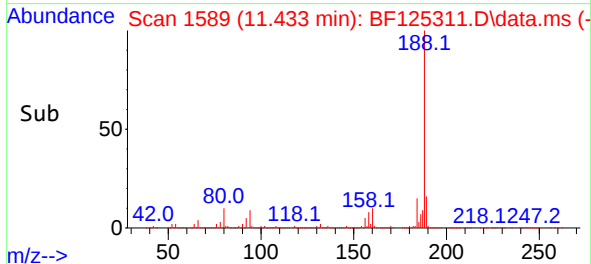
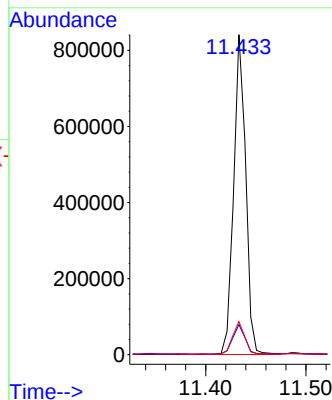
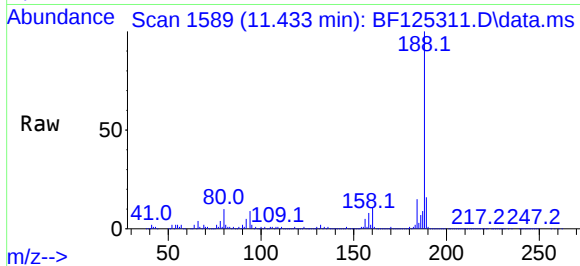
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF125311.D
Acq: 1 Sep 2021 17:39

Tgt Ion:188 Resp: 699144
Ion Ratio Lower Upper
188 100
94 9.4 6.7 10.1
80 10.3 7.5 11.3

Instrument :
BNA_F
ClientSampleId :
CL-01-083121

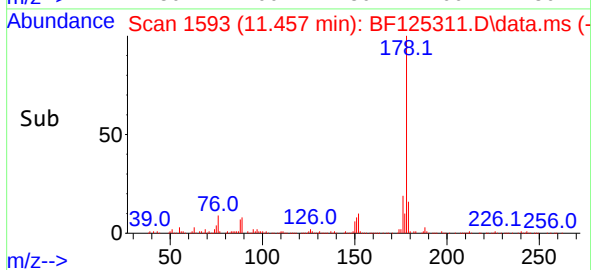
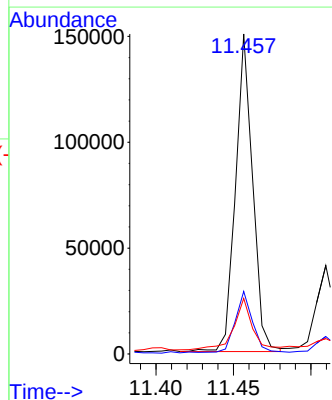
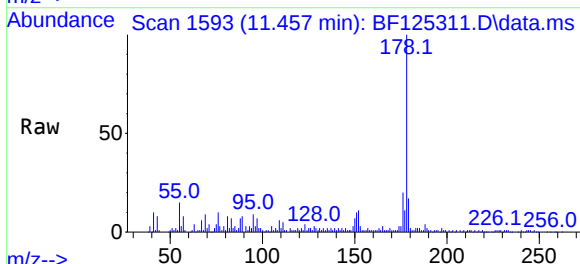
Manual Integrations
APPROVED

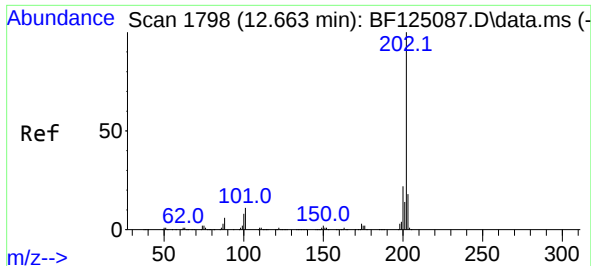
mohammad
9/3/2021 3:30:11 PM



#71
Phenanthrene
Concen: 2.991 ng
RT: 11.457 min Scan# 1593
Delta R.T. -0.006 min
Lab File: BF125311.D
Acq: 1 Sep 2021 17:39

Tgt Ion:178 Resp: 115215
Ion Ratio Lower Upper
178 100
176 19.6 14.7 22.1
179 17.3 11.5 17.3#





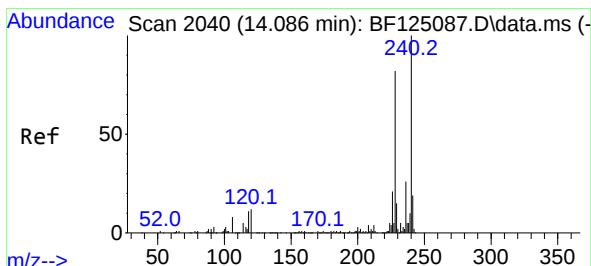
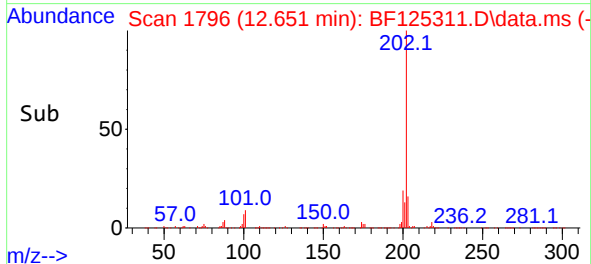
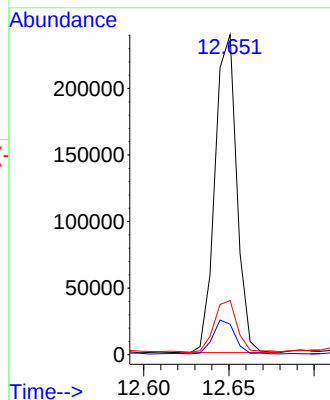
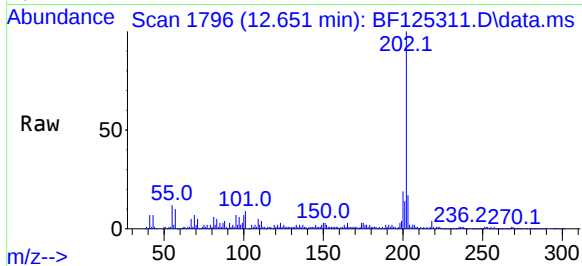
#75
Fluoranthene
Concen: 5.542 ng
RT: 12.651 min Scan# 1796
Delta R.T. -0.000 min
Lab File: BF125311.D
Acq: 1 Sep 2021 17:39

Tgt Ion:	202	Resp:	211851
Ion Ratio	Lower	Upper	
202	100		
101	9.5	0.0	30.7
203	16.9	0.0	36.3

Instrument :
BNA_F
ClientSampleId :
CL-01-083121

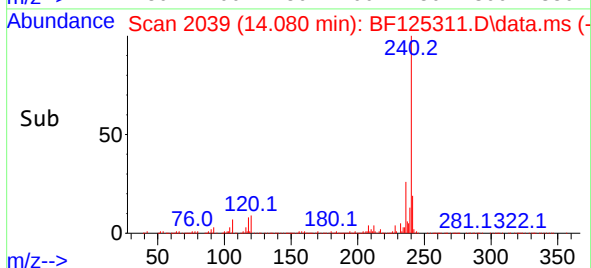
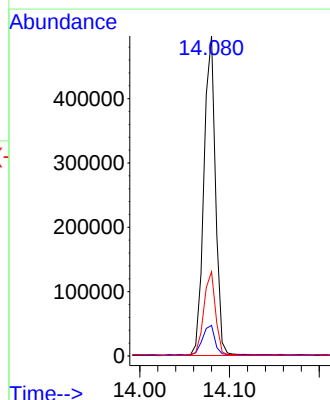
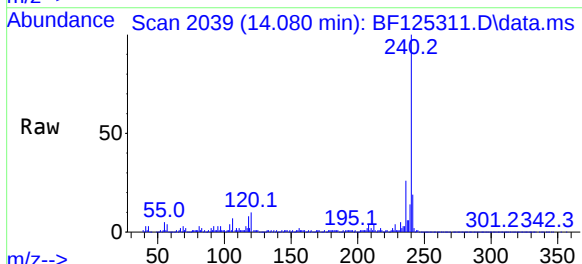
Manual Integrations
APPROVED

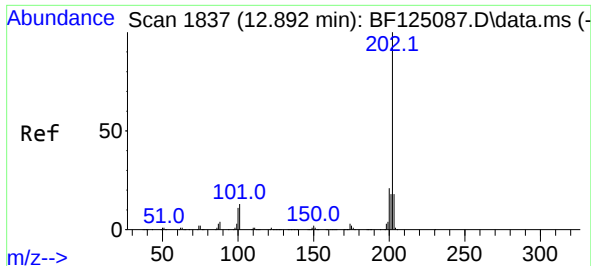
mohammad
9/3/2021 3:30:11 PM



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.080 min Scan# 2039
Delta R.T. -0.000 min
Lab File: BF125311.D
Acq: 1 Sep 2021 17:39

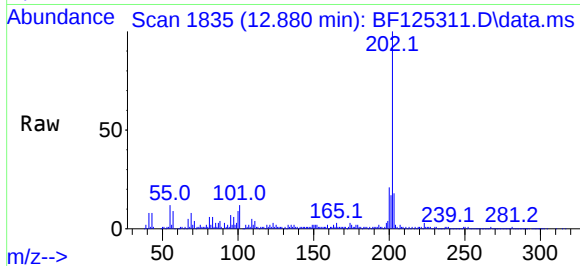
Tgt Ion:	240	Resp:	447397
Ion Ratio	Lower	Upper	
240	100		
120	9.5	10.8	16.2#
236	26.3	21.6	32.4





#78
Pyrene
Concen: 5.608 ng
RT: 12.880 min Scan# 1835
Delta R.T. -0.006 min
Lab File: BF125311.D
Acq: 1 Sep 2021 17:39

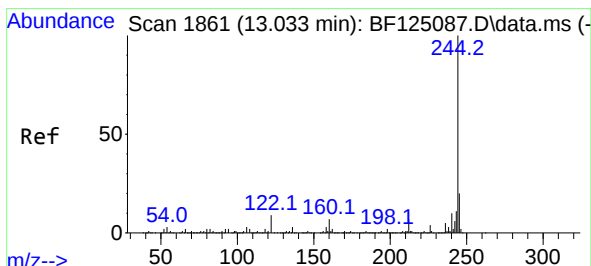
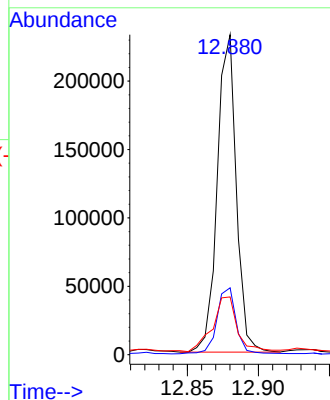
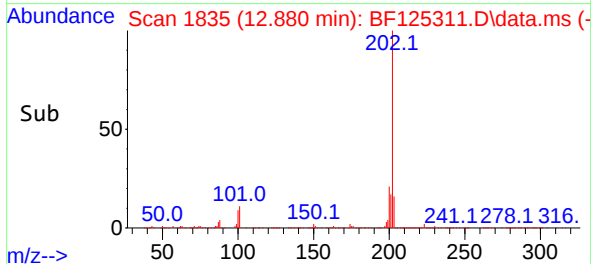
Instrument :
BNA_F
ClientSampleId :
CL-01-083121



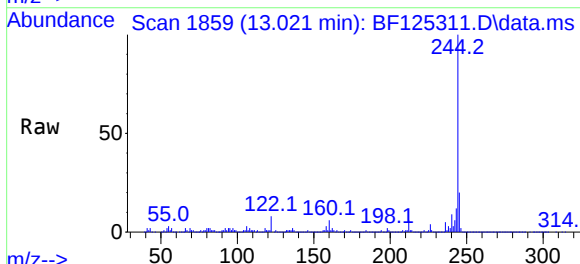
Tgt Ion:202 Resp: 215207
Ion Ratio Lower Upper
202 100
200 20.9 15.3 22.9
203 18.1 13.4 20.0

Manual Integrations
APPROVED

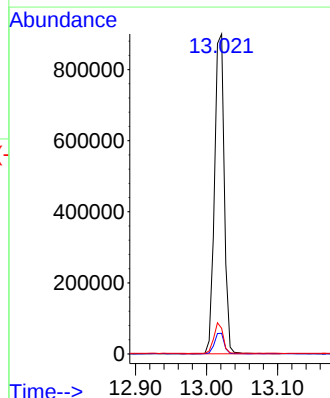
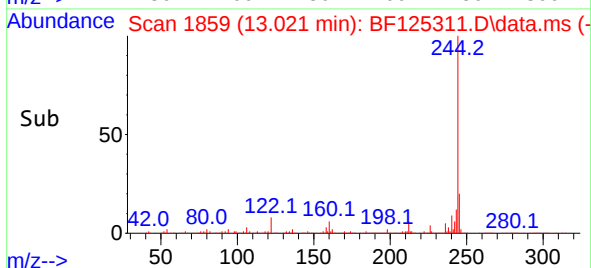
mohammad
9/3/2021 3:30:11 PM

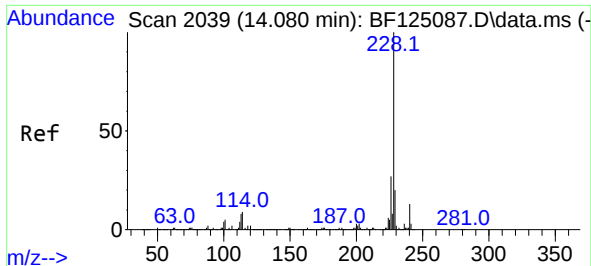


#79
Terphenyl-d14
Concen: 30.521 ng
RT: 13.021 min Scan# 1859
Delta R.T. -0.000 min
Lab File: BF125311.D
Acq: 1 Sep 2021 17:39



Tgt Ion:244 Resp: 857128
Ion Ratio Lower Upper
244 100
212 6.5 5.9 8.9
122 8.0 9.0 13.4#





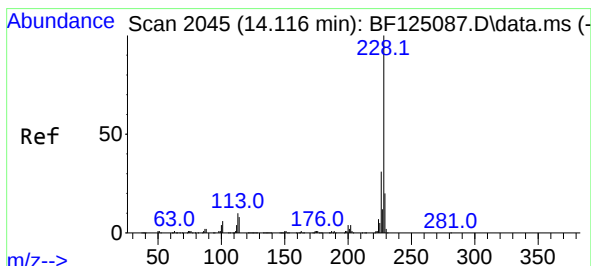
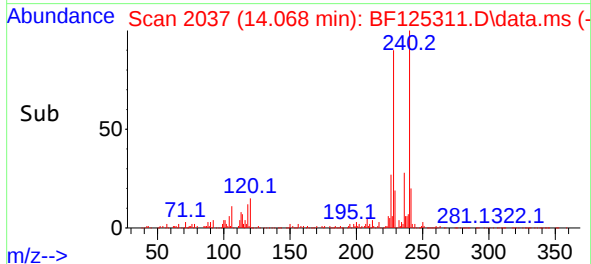
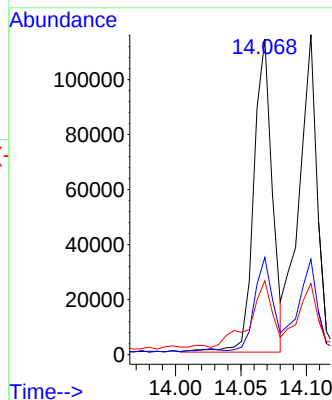
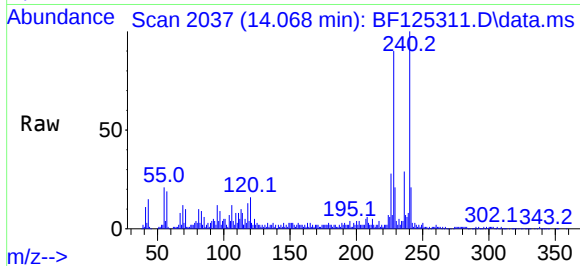
#81
Benzo(a)anthracene
Concen: 3.449 ng m
RT: 14.068 min Scan# 2037
Delta R.T. -0.000 min
Lab File: BF125311.D
Acq: 1 Sep 2021 17:39

Tgt Ion:228 Resp: 111164
Ion Ratio Lower Upper
228 100
226 30.8 21.6 32.4
229 23.4 15.6 23.4#

Instrument :
BNA_F
ClientSampleId :
CL-01-083121

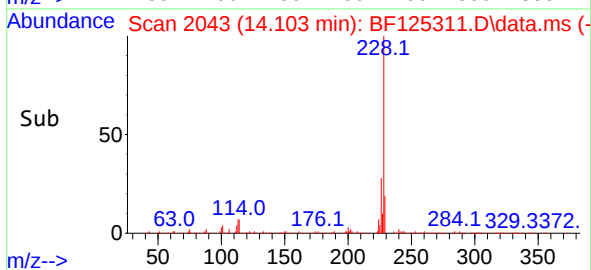
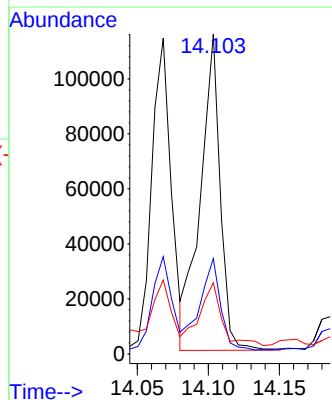
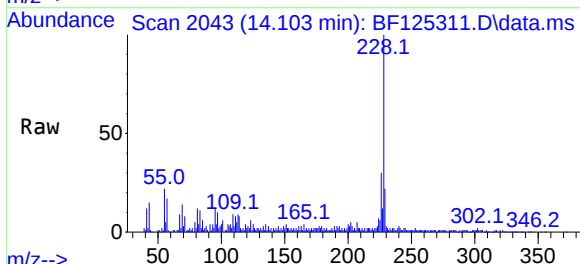
Manual Integrations
APPROVED

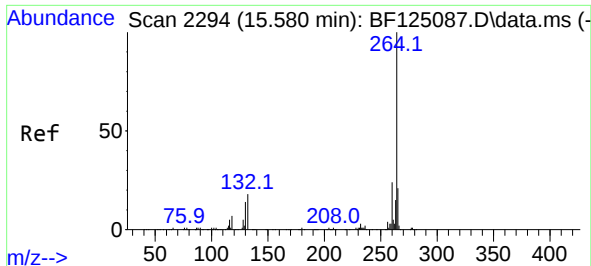
mohammad
9/3/2021 3:30:11 PM



#83
Chrysene
Concen: 3.524 ng
RT: 14.103 min Scan# 2043
Delta R.T. -0.006 min
Lab File: BF125311.D
Acq: 1 Sep 2021 17:39

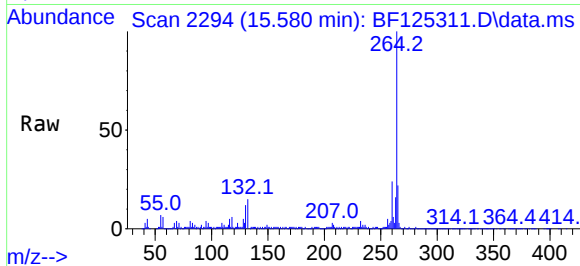
Tgt Ion:228 Resp: 112344
Ion Ratio Lower Upper
228 100
226 29.8 22.6 34.0
229 22.2 15.9 23.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2294
Delta R.T. 0.006 min
Lab File: BF125311.D
Acq: 1 Sep 2021 17:39

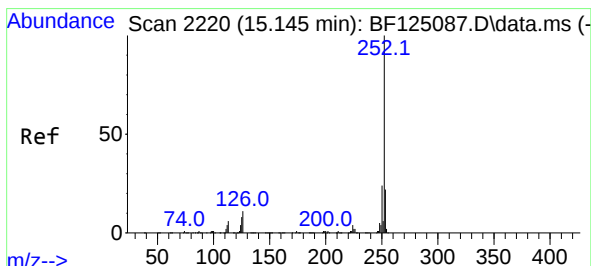
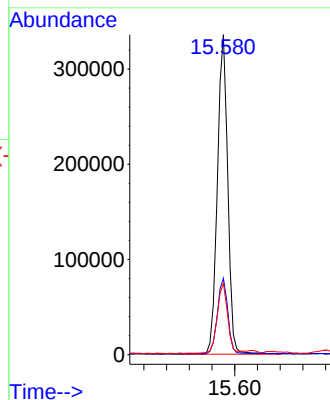
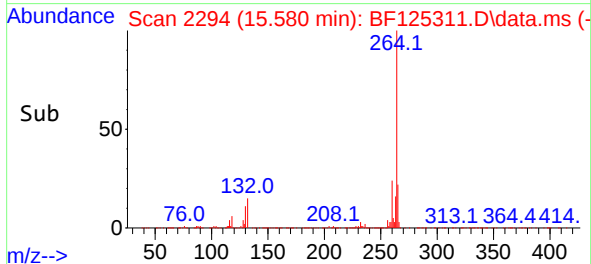
Instrument :
BNA_F
ClientSampleId :
CL-01-083121



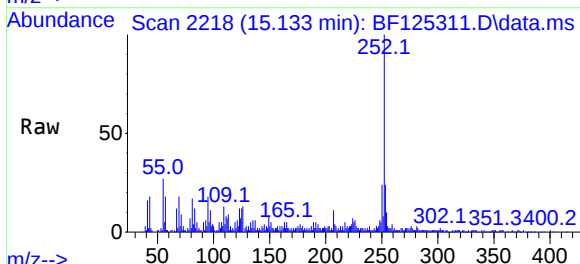
Tgt Ion:264 Resp: 425516
Ion Ratio Lower Upper
264 100
260 23.9 19.6 29.4
265 22.4 17.2 25.8

Manual Integrations
APPROVED

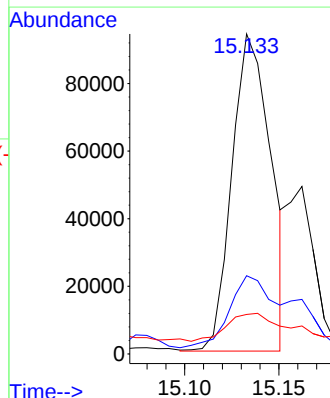
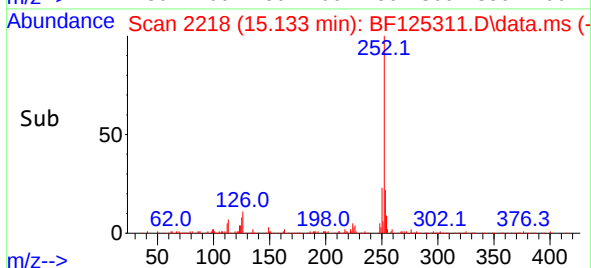
mohammad
9/3/2021 3:30:11 PM

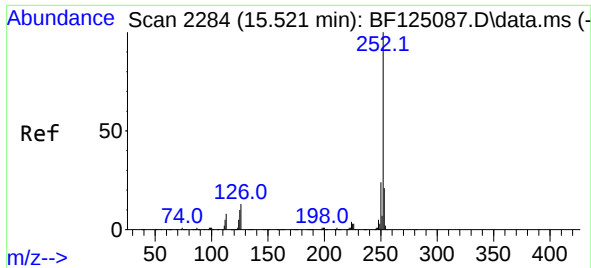


#88
Benzo(b)fluoranthene
Concen: 4.342 ng m
RT: 15.133 min Scan# 2218
Delta R.T. -0.000 min
Lab File: BF125311.D
Acq: 1 Sep 2021 17:39

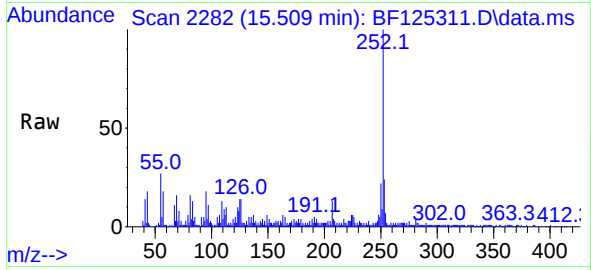


Tgt Ion:252 Resp: 134982
Ion Ratio Lower Upper
252 100
253 24.5 16.8 25.2
125 12.3 9.8 14.8



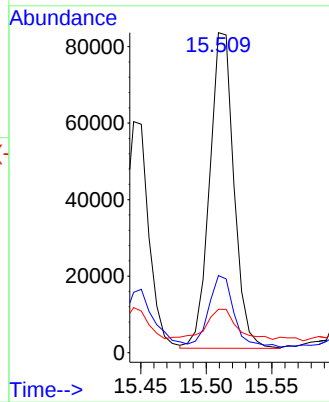
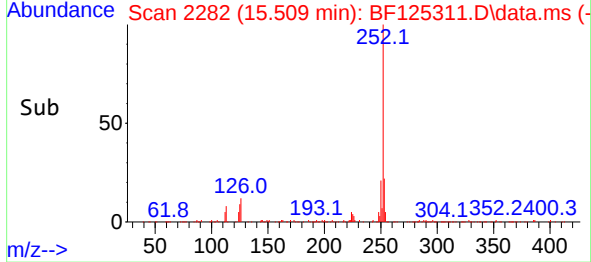


#90
Benzo(a)pyrene
Concen: 3.878 ng
RT: 15.509 min Scan# 2282
Delta R.T. -0.006 min
Lab File: BF125311.D
Acq: 1 Sep 2021 17:39



Tgt Ion: 252 Resp: 106504

Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.4	27.6
125	13.5	9.9	14.9



Instrument :
BNA_F
ClientSampleId :
CL-01-083121

Manual Integrations
APPROVED

mohammad
9/3/2021 3:30:11 PM