

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060421\
 Data File : BF124141.D
 Acq On : 4 Jun 2021 15:54
 Operator : JU/CG
 Sample : M2587-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-073-B

Manual Integrations
 APPROVED

mohammad
 6/7/2021 12:24:34 PM

Quant Time: Jun 04 16:27:43 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 04 09:56:24 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	37860	20.00	ng	0.00
21) Naphthalene-d8	8.145	136	131389	20.00	ng	0.00
39) Acenaphthene-d10	9.904	164	62456	20.00	ng	0.00
64) Phenanthrene-d10	11.392	188	103043	20.00	ng	0.00
76) Chrysene-d12	14.033	240	91764	20.00	ng	0.00
86) Perylene-d12	15.515	264	67190	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	224124	89.11	ng	0.00
7) Phenol-d6	6.504	99	263245	77.87	ng	0.00
23) Nitrobenzene-d5	7.428	82	197453	59.60	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	64341	72.71	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	306798	61.81	ng	0.00
79) Terphenyl-d14	12.974	244	281633	42.14	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	71822	11.16	ng	98
72) Anthracene	11.463	178	21251	3.28	ng	96
75) Fluoranthene	12.604	202	118134	17.48	ng	98
78) Pyrene	12.833	202	104186	11.82	ng	98
81) Benzo(a)anthracene	14.021	228	54657m	8.18	ng	
83) Chrysene	14.057	228	48958	7.59	ng	95
87) Indeno(1,2,3-cd)pyrene	17.003	276	19347	7.48	ng	# 89
88) Benzo(b)fluoranthene	15.080	252	48842m	9.36	ng	
89) Benzo(k)fluoranthene	15.109	252	18152m	3.67	ng	
90) Benzo(a)pyrene	15.451	252	32698	7.21	ng	# 90
92) Benzo(g,h,i)perylene	17.450	276	16481m	7.03	ng	

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

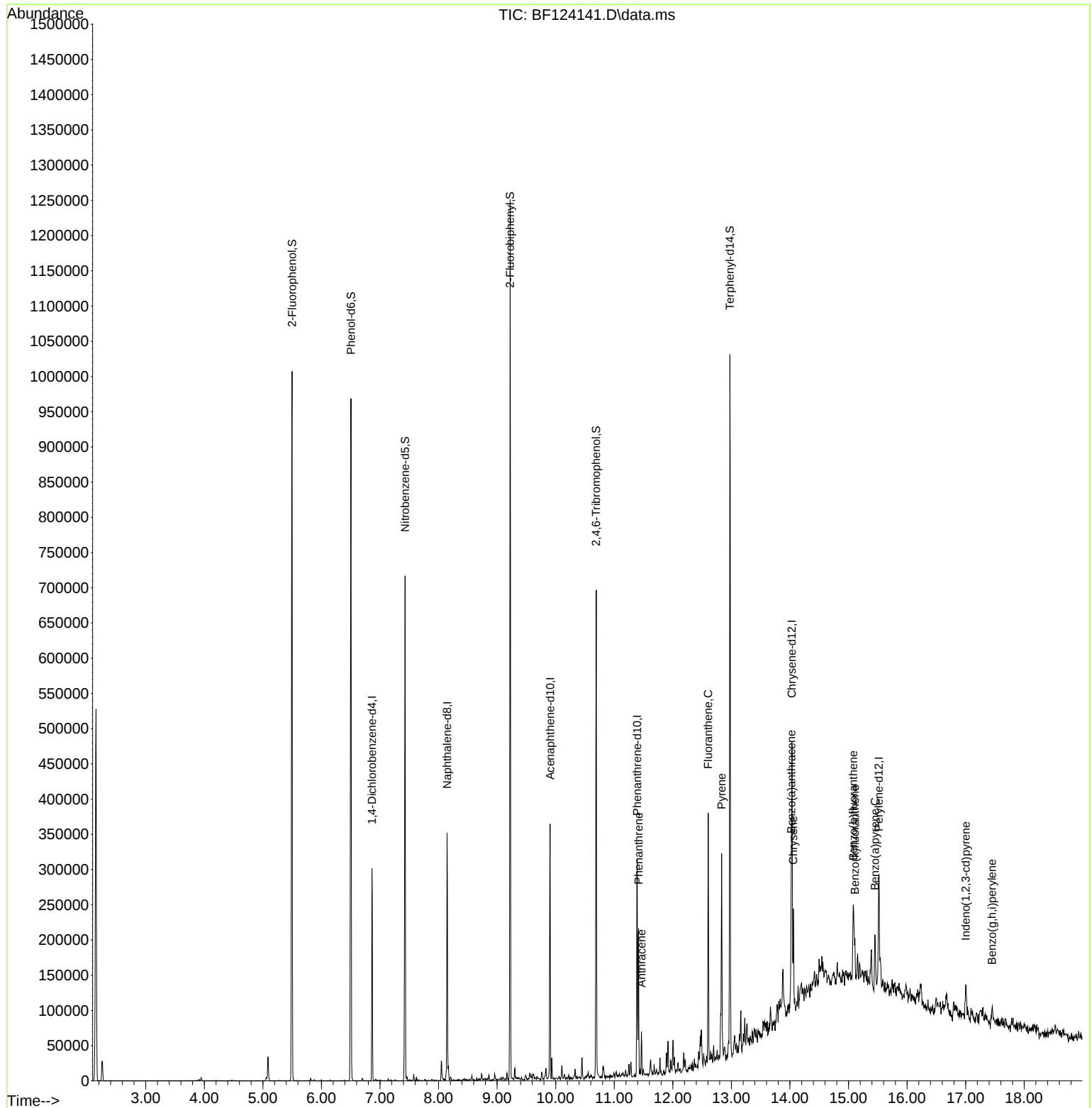
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060421\
Data File : BF124141.D
Acq On : 4 Jun 2021 15:54
Operator : JU/CG
Sample : M2587-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

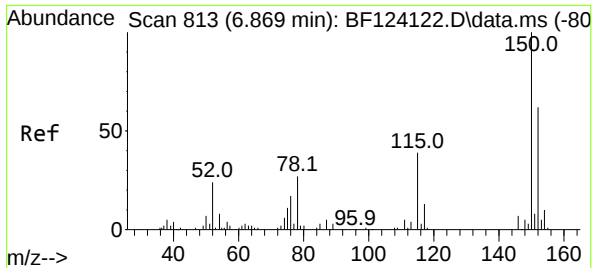
Instrument :
BNA_F
ClientSampled :
FK-GF-02-073-B

Manual Integrations
APPROVED

mohammad
6/7/2021 12:24:34 PM

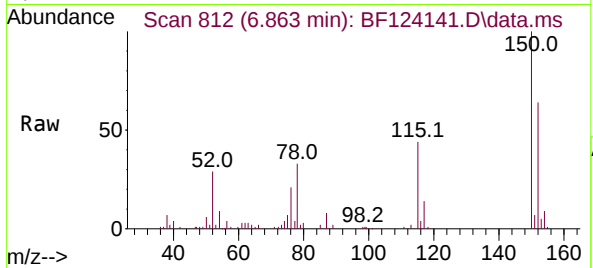
Quant Time: Jun 04 16:27:43 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 04 09:56:24 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF124141.D
Acq: 4 Jun 2021 15:54

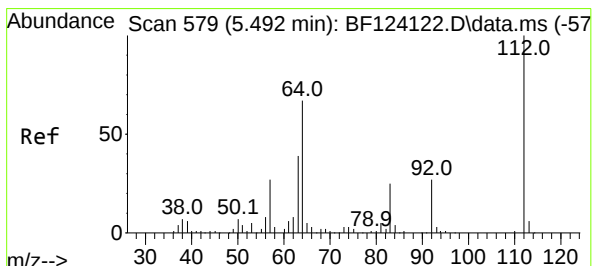
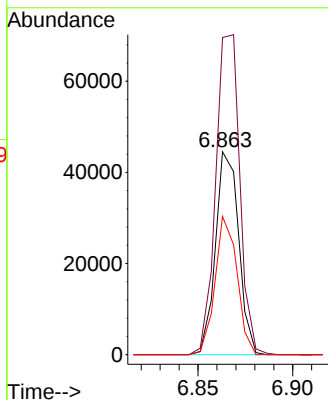
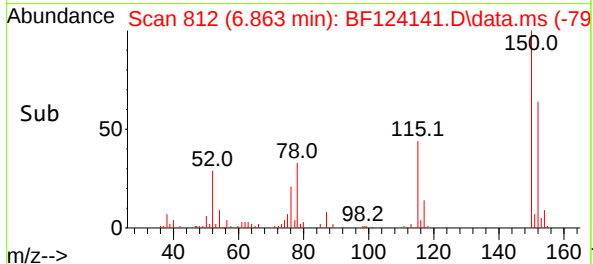
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-073-B



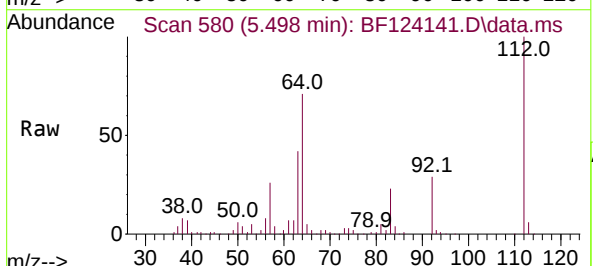
Tgt Ion:152 Resp: 37860
Ion Ratio Lower Upper
152 100
150 156.3 127.0 190.6
115 68.2 54.3 81.5

Manual Integrations
APPROVED

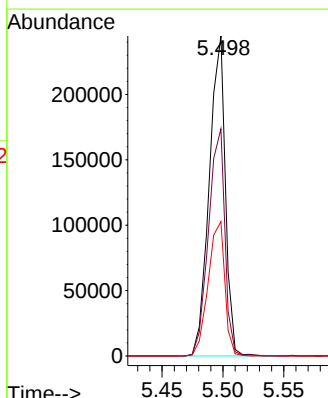
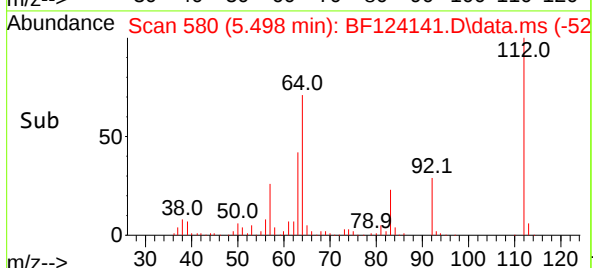
mohammad
6/7/2021 12:24:34 PM

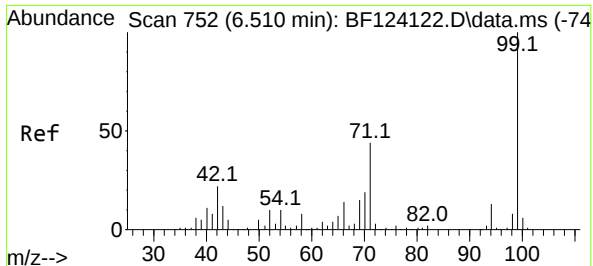


#5
2-Fluorophenol
Concen: 89.11 ng
RT: 5.498 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF124141.D
Acq: 4 Jun 2021 15:54



Tgt Ion:112 Resp: 224124
Ion Ratio Lower Upper
112 100
64 71.0 61.4 92.0
63 42.0 33.0 49.4





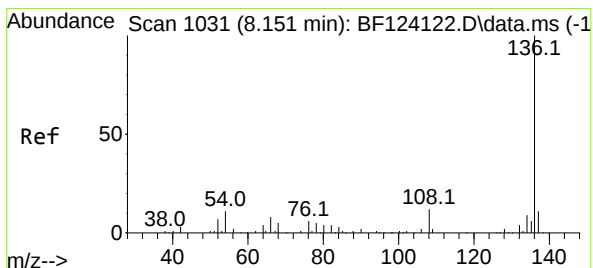
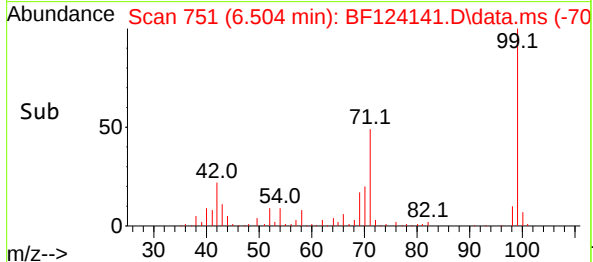
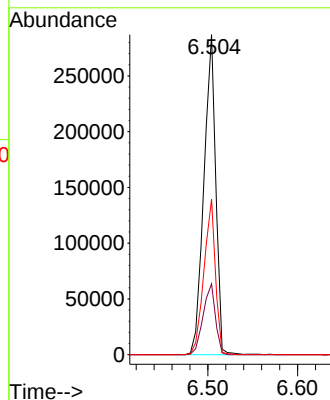
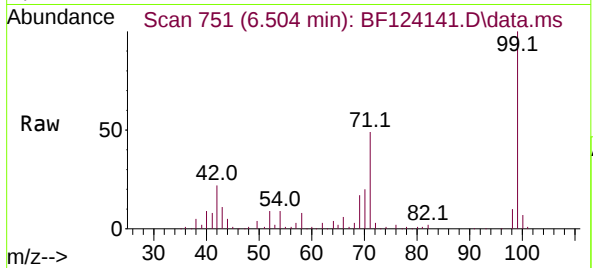
#7
Phenol-d6
Concen: 77.87 ng
RT: 6.504 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF124141.D
Acq: 4 Jun 2021 15:54

Tgt Ion: 99 Resp: 263245
Ion Ratio Lower Upper
99 100
42 22.2 19.8 29.8
71 48.6 31.1 46.7#

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-073-B

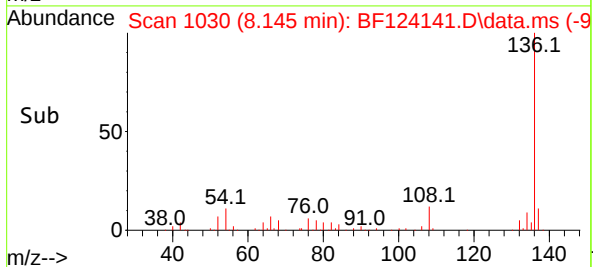
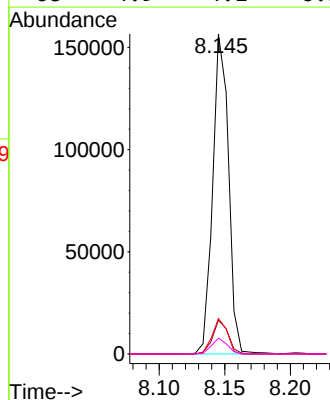
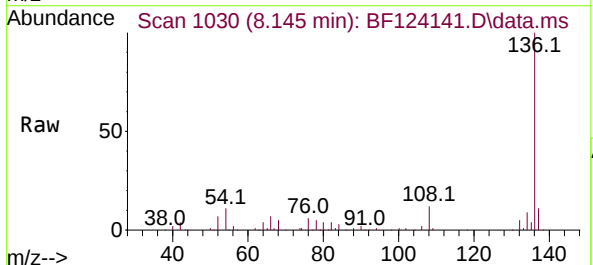
Manual Integrations
APPROVED

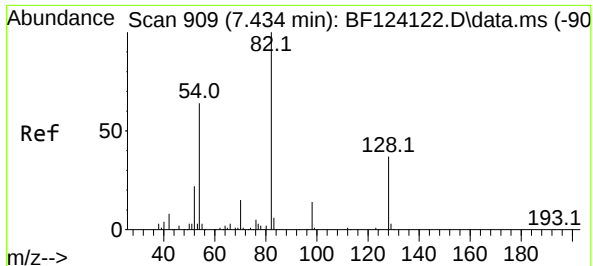
mohammad
6/7/2021 12:24:34 PM



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF124141.D
Acq: 4 Jun 2021 15:54

Tgt Ion: 136 Resp: 131389
Ion Ratio Lower Upper
136 100
137 10.6 8.7 13.1
54 11.0 9.8 14.6
68 4.9 4.1 6.1





#23

Nitrobenzene-d5

Concen: 59.60 ng

RT: 7.428 min Scan# 908

Delta R.T. -0.006 min

Lab File: BF124141.D

Acq: 4 Jun 2021 15:54

Tgt Ion: 82 Resp: 197453

Ion	Ratio	Lower	Upper
82	100		
128	37.1	29.4	44.2
54	60.3	54.1	81.1

Instrument :

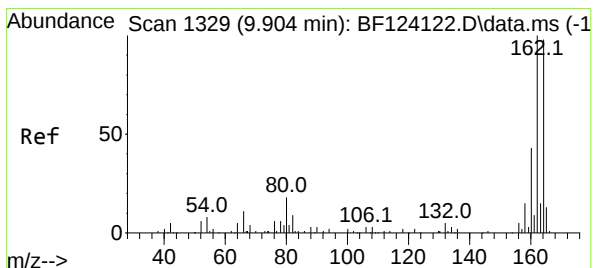
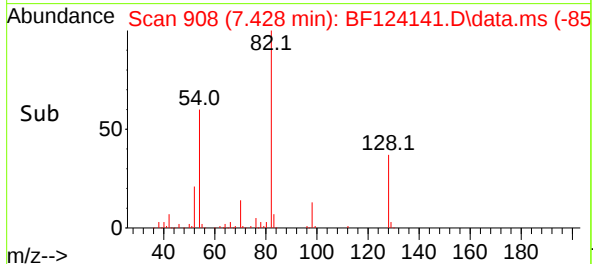
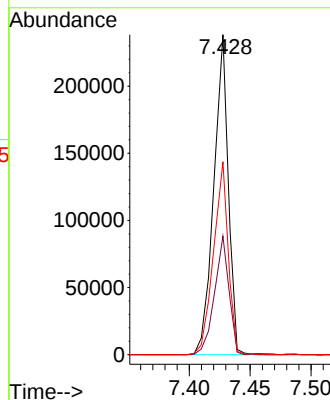
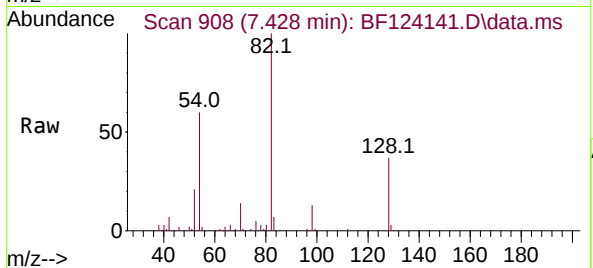
BNA_F

ClientSampleId :

FK-GF-02-073-B

Manual Integrations
APPROVED

mohammad
6/7/2021 12:24:34 PM



#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.904 min Scan# 1329

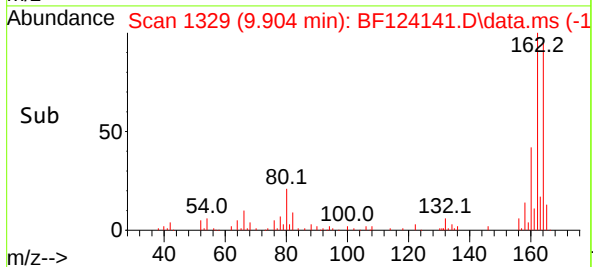
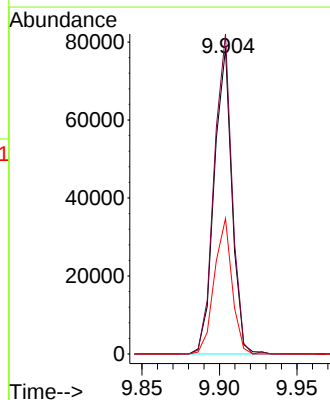
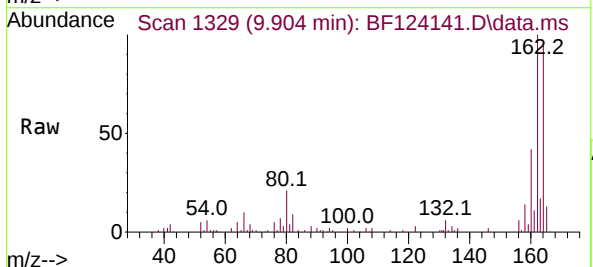
Delta R.T. -0.000 min

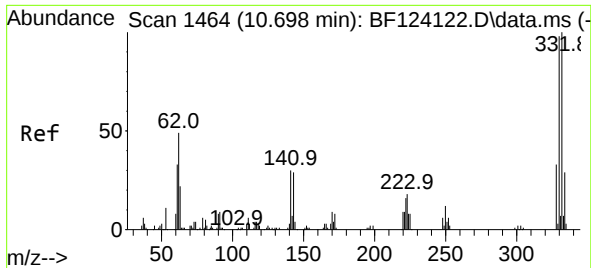
Lab File: BF124141.D

Acq: 4 Jun 2021 15:54

Tgt Ion: 164 Resp: 62456

Ion	Ratio	Lower	Upper
164	100		
162	104.7	80.7	121.1
160	44.3	37.3	55.9





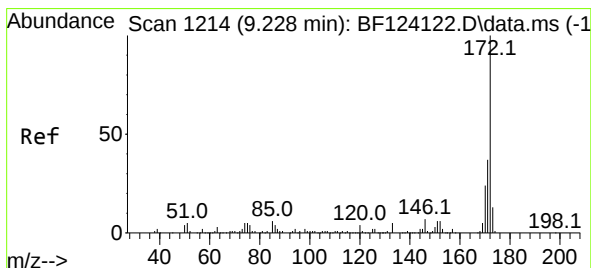
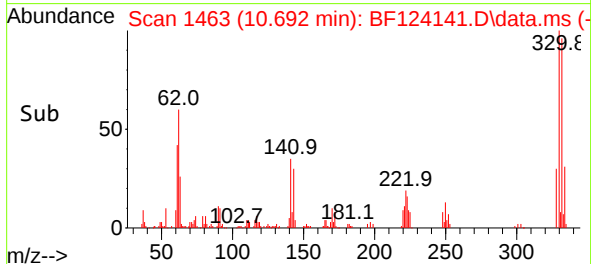
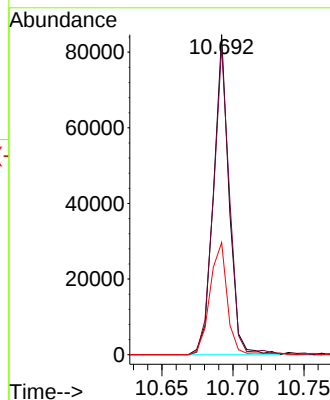
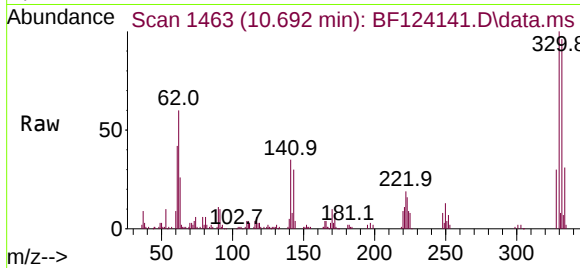
#42
2,4,6-Tribromophenol
Concen: 72.71 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF124141.D
Acq: 4 Jun 2021 15:54

Tgt Ion: 330 Resp: 64341
Ion Ratio Lower Upper
330 100
332 100.1 77.1 115.7
141 39.4 27.9 41.9

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-073-B

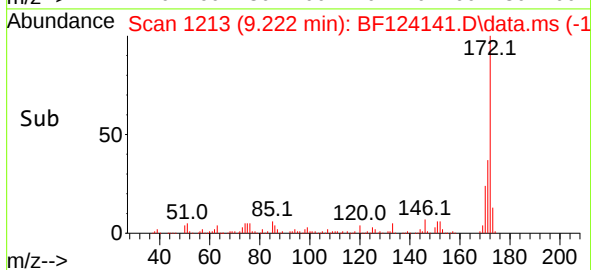
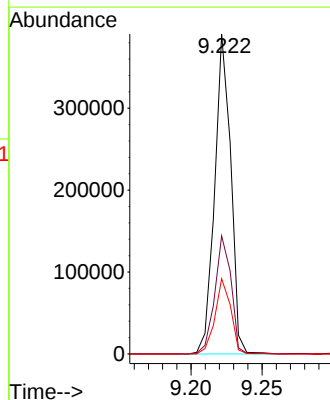
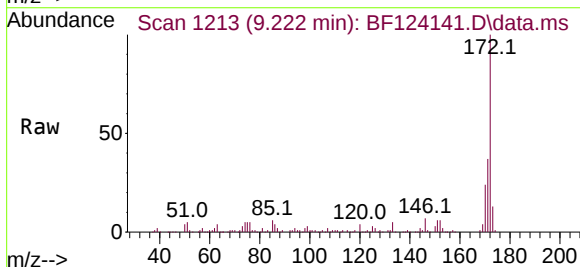
Manual Integrations
APPROVED

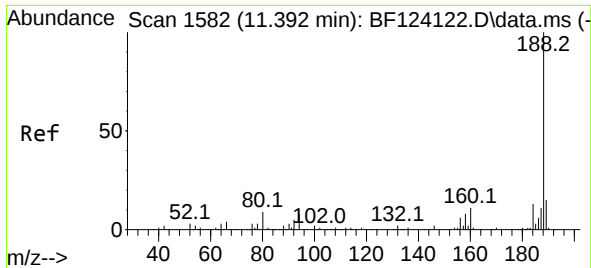
mohammad
6/7/2021 12:24:34 PM



#45
2-Fluorobiphenyl
Concen: 61.81 ng
RT: 9.222 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF124141.D
Acq: 4 Jun 2021 15:54

Tgt Ion: 172 Resp: 306798
Ion Ratio Lower Upper
172 100
171 36.9 28.1 42.1
170 23.5 19.2 28.8





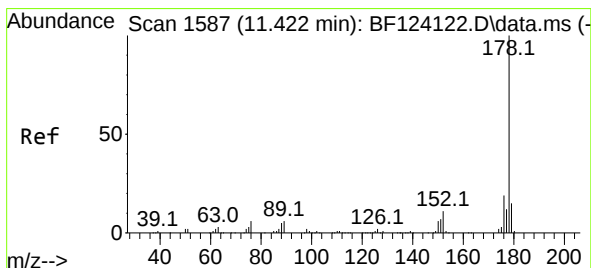
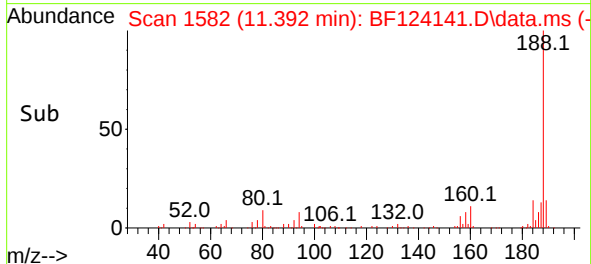
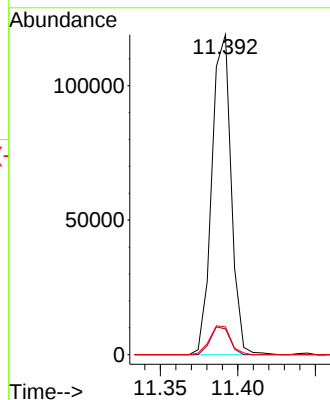
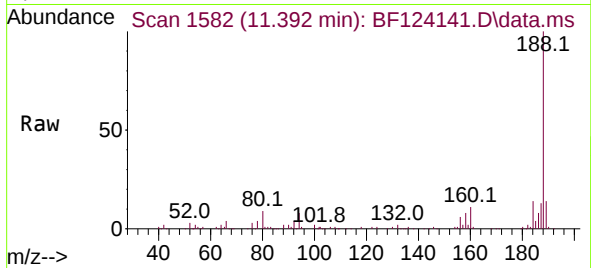
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.392 min Scan# 1582
Delta R.T. 0.000 min
Lab File: BF124141.D
Acq: 4 Jun 2021 15:54

Tgt Ion:188 Resp: 103043
Ion Ratio Lower Upper
188 100
94 8.0 6.9 10.3
80 8.7 8.2 12.2

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-073-B

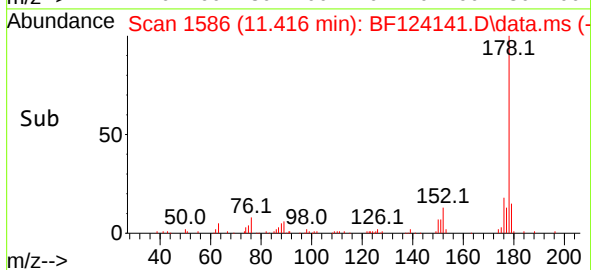
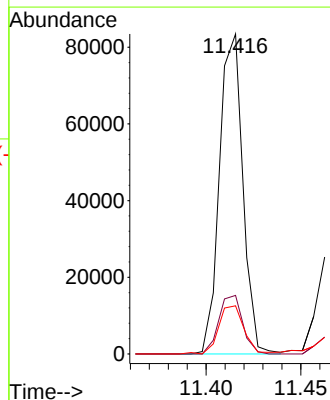
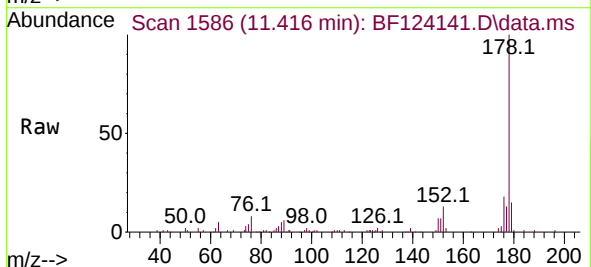
Manual Integrations
APPROVED

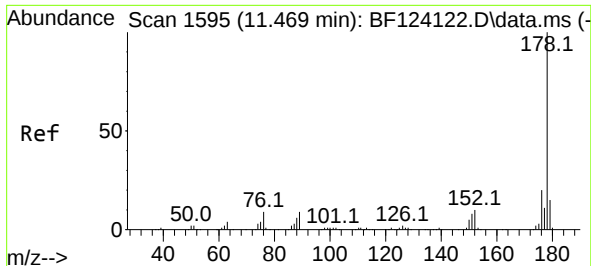
mohammad
6/7/2021 12:24:34 PM



#71
Phenanthrene
Concen: 11.16 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF124141.D
Acq: 4 Jun 2021 15:54

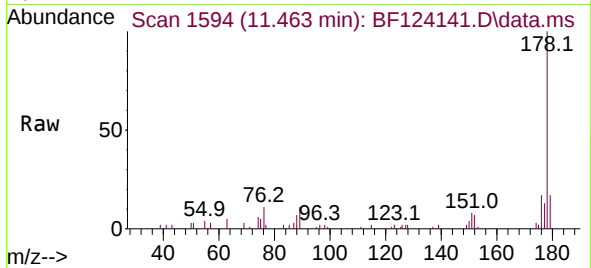
Tgt Ion:178 Resp: 71822
Ion Ratio Lower Upper
178 100
176 18.3 15.6 23.4
179 15.1 12.5 18.7





#72
 Anthracene
 Concen: 3.28 ng
 RT: 11.463 min Scan# 1594
 Delta R.T. -0.006 min
 Lab File: BF124141.D
 Acq: 4 Jun 2021 15:54

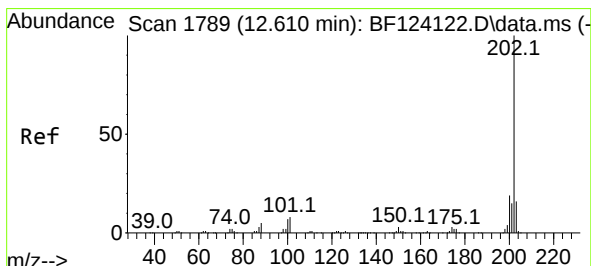
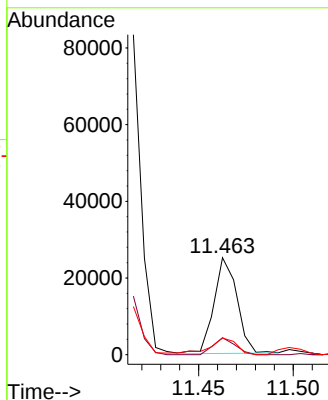
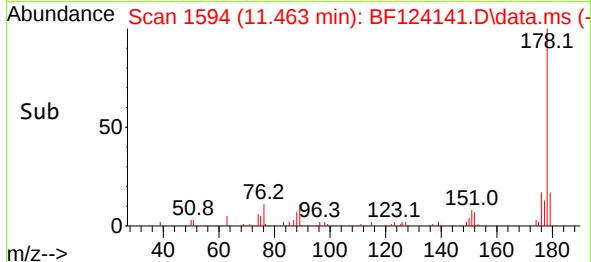
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-073-B



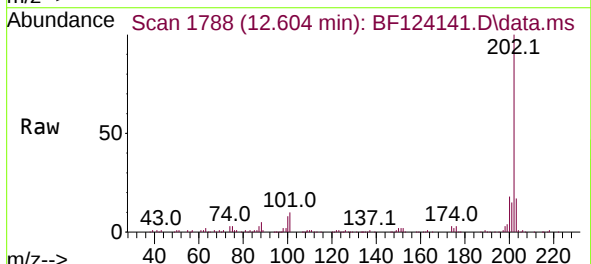
Tgt Ion:178 Resp: 21251
 Ion Ratio Lower Upper
 178 100
 176 17.5 15.4 23.0
 179 17.2 12.6 18.8

Manual Integrations
 APPROVED

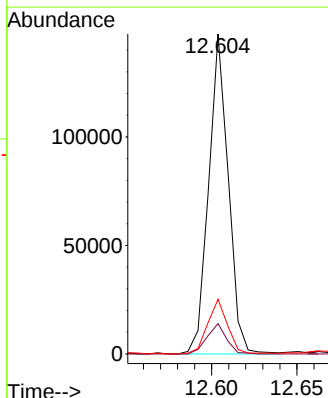
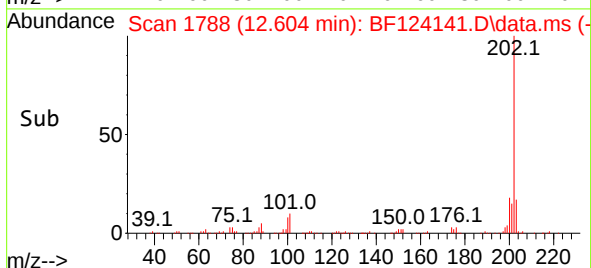
mohammad
 6/7/2021 12:24:34 PM

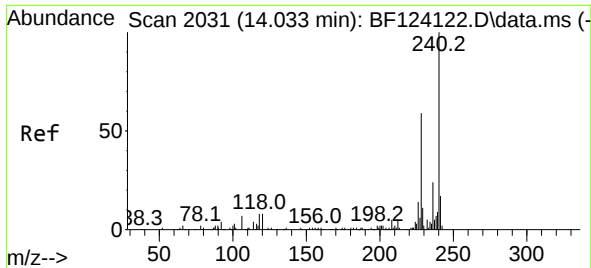


#75
 Fluoranthene
 Concen: 17.48 ng
 RT: 12.604 min Scan# 1788
 Delta R.T. -0.006 min
 Lab File: BF124141.D
 Acq: 4 Jun 2021 15:54



Tgt Ion:202 Resp: 118134
 Ion Ratio Lower Upper
 202 100
 101 9.5 0.0 30.9
 203 17.1 0.0 37.5





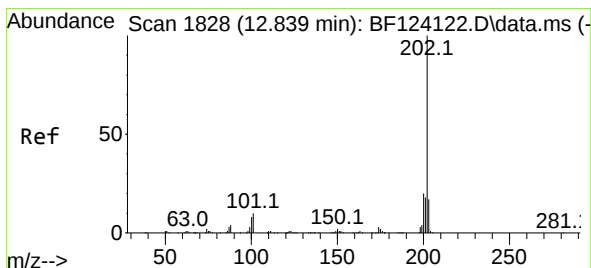
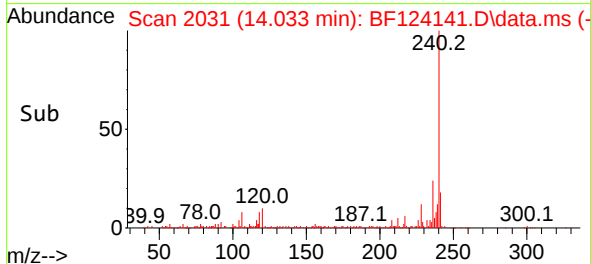
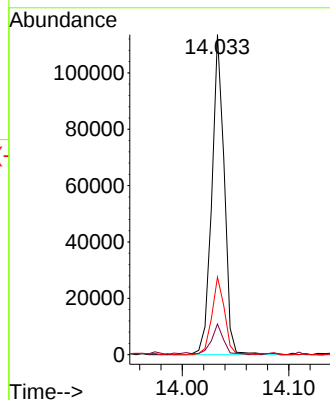
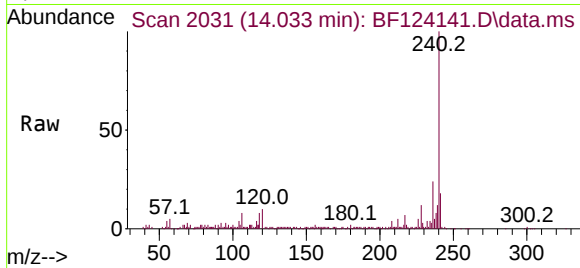
#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF124141.D
Acq: 4 Jun 2021 15:54

Tgt Ion:	240	Resp:	91764
Ion Ratio	Lower	Upper	
240	100		
120	9.6	7.2	10.8
236	24.3	19.0	28.4

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-073-B

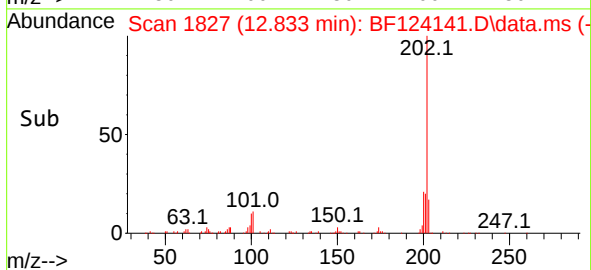
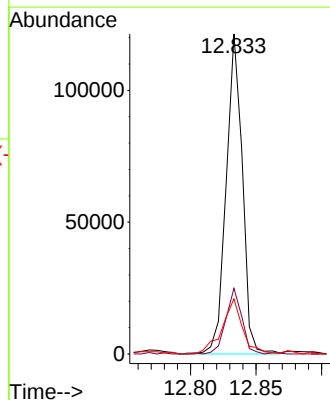
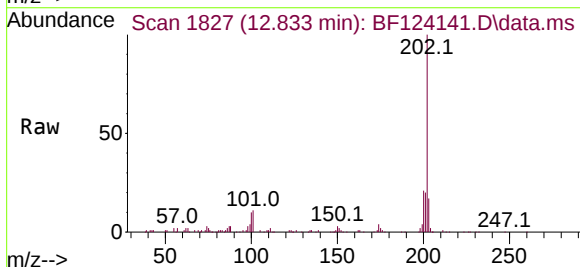
Manual Integrations
APPROVED

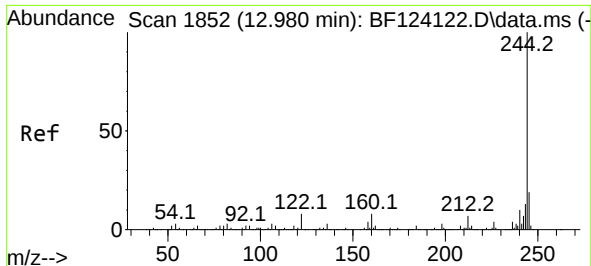
mohammad
6/7/2021 12:24:34 PM



#78
Pyrene
Concen: 11.82 ng
RT: 12.833 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF124141.D
Acq: 4 Jun 2021 15:54

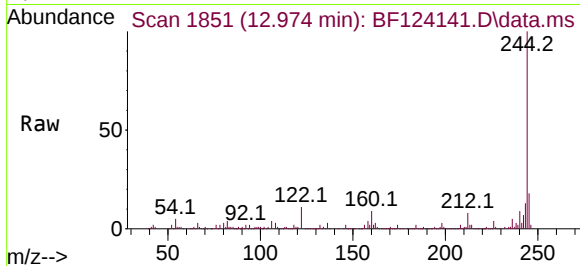
Tgt Ion:	202	Resp:	104186
Ion Ratio	Lower	Upper	
202	100		
200	20.5	16.1	24.1
203	17.2	14.8	22.2





#79
Terphenyl-d14
Concen: 42.14 ng
RT: 12.974 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BF124141.D
Acq: 4 Jun 2021 15:54

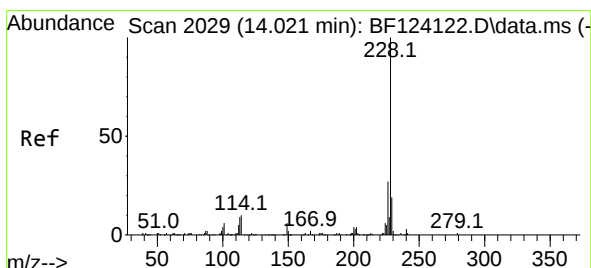
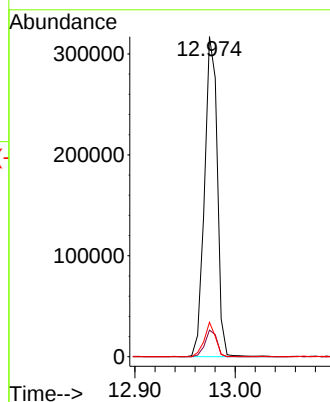
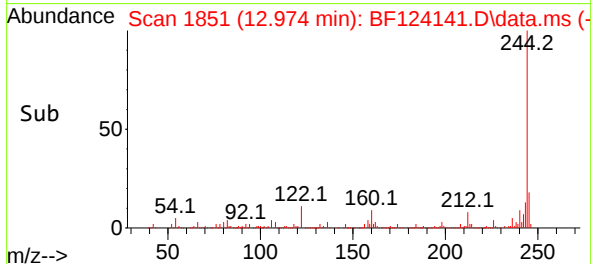
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-073-B



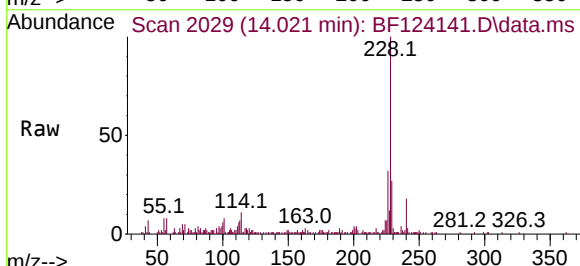
Tgt Ion:244 Resp: 281633
Ion Ratio Lower Upper
244 100
212 8.3 5.7 8.5
122 10.8 9.7 14.5

Manual Integrations
APPROVED

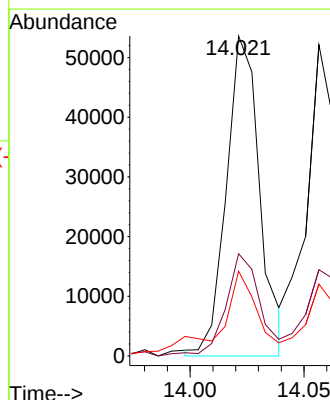
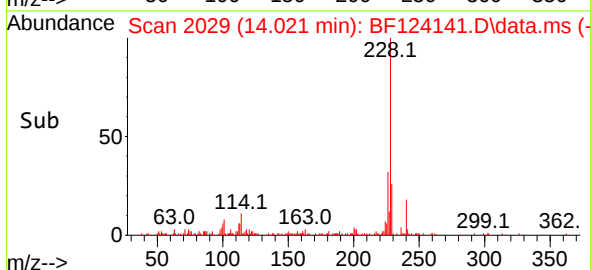
mohammad
6/7/2021 12:24:34 PM

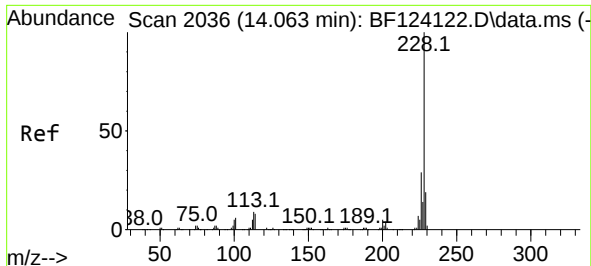


#81
Benzo(a)anthracene
Concen: 8.18 ng m
RT: 14.021 min Scan# 2029
Delta R.T. -0.000 min
Lab File: BF124141.D
Acq: 4 Jun 2021 15:54



Tgt Ion:228 Resp: 54657
Ion Ratio Lower Upper
228 100
226 32.0 22.4 33.6
229 26.5 16.0 24.0#





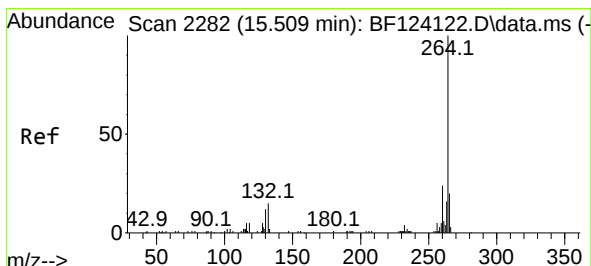
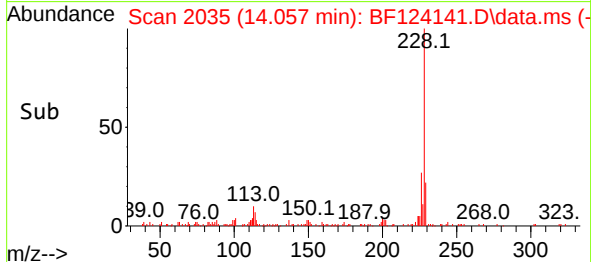
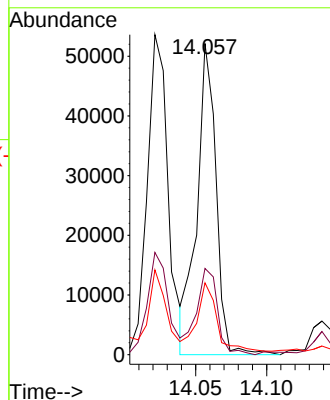
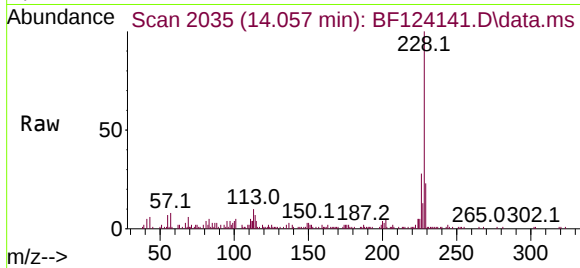
#83
Chrysene
Concen: 7.59 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BF124141.D
Acq: 4 Jun 2021 15:54

Tgt Ion:	228	Resp:	48958
Ion Ratio	Lower	Upper	
228	100		
226	27.7	24.3	36.5
229	23.1	16.2	24.2

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-073-B

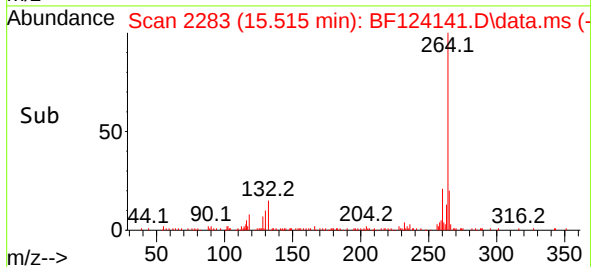
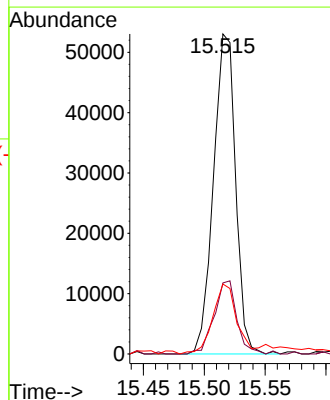
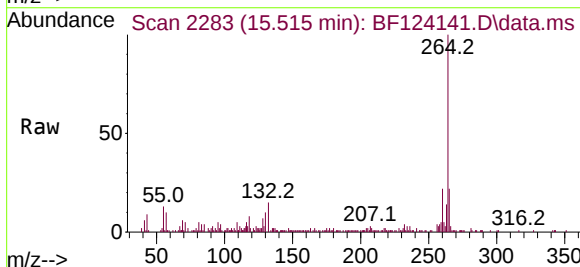
Manual Integrations
APPROVED

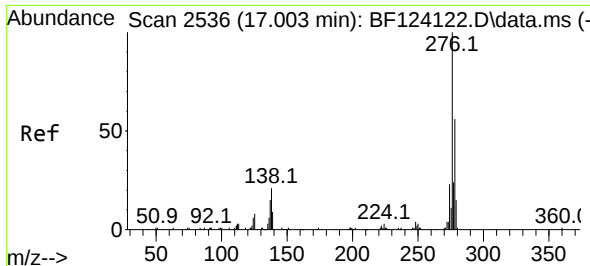
mohammad
6/7/2021 12:24:34 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.515 min Scan# 2283
Delta R.T. 0.006 min
Lab File: BF124141.D
Acq: 4 Jun 2021 15:54

Tgt Ion:	264	Resp:	67190
Ion Ratio	Lower	Upper	
264	100		
260	22.2	18.7	28.1
265	21.8	17.8	26.8





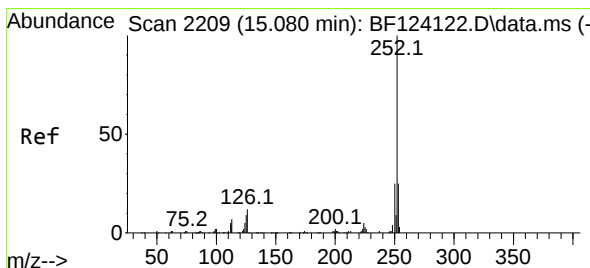
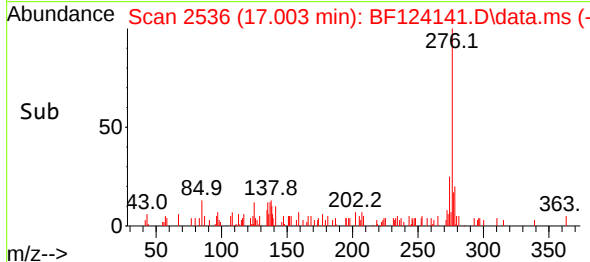
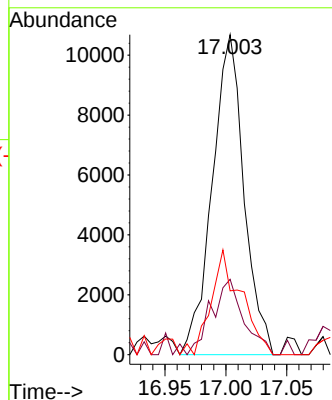
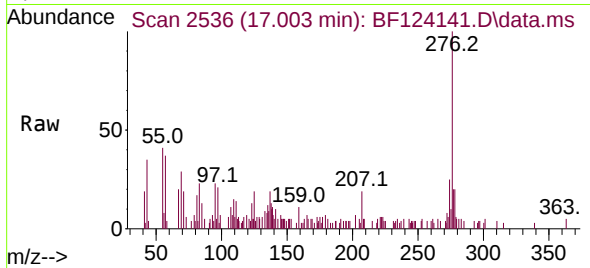
#87
Indeno(1,2,3-cd)pyrene
Concen: 7.48 ng
RT: 17.003 min Scan# 2536
Delta R.T. 0.000 min
Lab File: BF124141.D
Acq: 4 Jun 2021 15:54

Tgt Ion: 276 Resp: 19347
Ion Ratio Lower Upper
276 100
138 24.1 16.2 24.2
277 31.2 20.1 30.1#

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-073-B

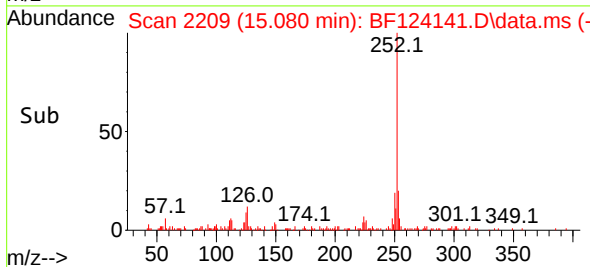
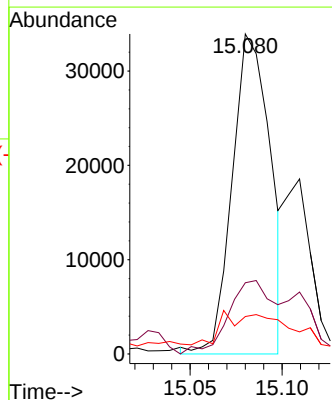
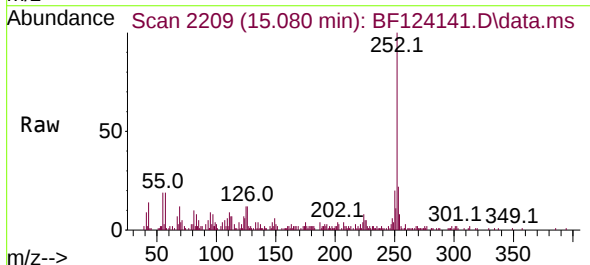
Manual Integrations
APPROVED

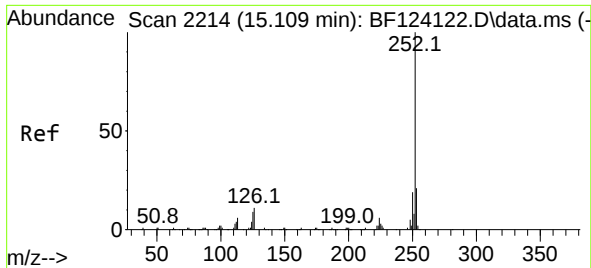
mohammad
6/7/2021 12:24:34 PM



#88
Benzo(b)fluoranthene
Concen: 9.36 ng m
RT: 15.080 min Scan# 2209
Delta R.T. -0.000 min
Lab File: BF124141.D
Acq: 4 Jun 2021 15:54

Tgt Ion: 252 Resp: 48842
Ion Ratio Lower Upper
252 100
253 22.2 18.1 27.1
125 11.7 6.2 9.4#





#89

Benzo(k)fluoranthene

Concen: 3.67 ng m

RT: 15.109 min Scan# 2214

Delta R.T. -0.000 min

Lab File: BF124141.D

Acq: 4 Jun 2021 15:54

Tgt Ion:	252	Resp:	18152
Ion Ratio	Lower	Upper	
252	100		
253	35.4	17.9	26.9#
125	12.6	7.0	10.6#

Instrument :

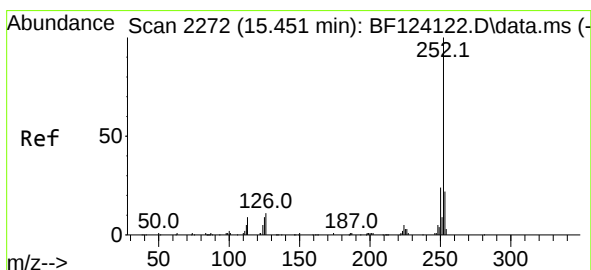
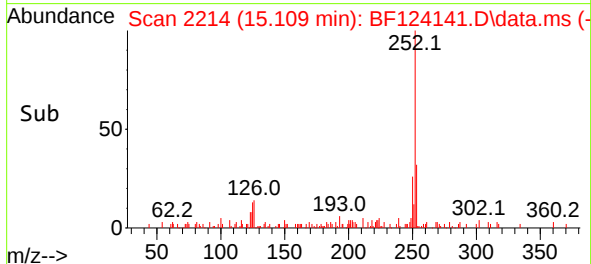
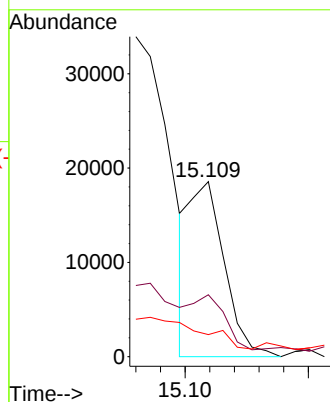
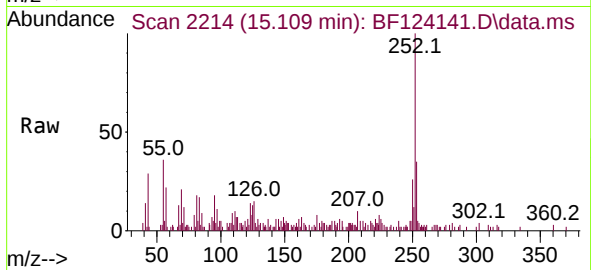
BNA_F

ClientSampleId :

FK-GF-02-073-B

Manual Integrations
APPROVED

mohammad
6/7/2021 12:24:34 PM



#90

Benzo(a)pyrene

Concen: 7.21 ng

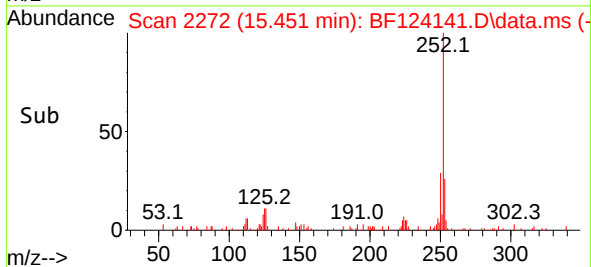
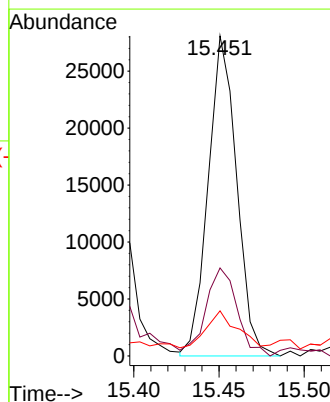
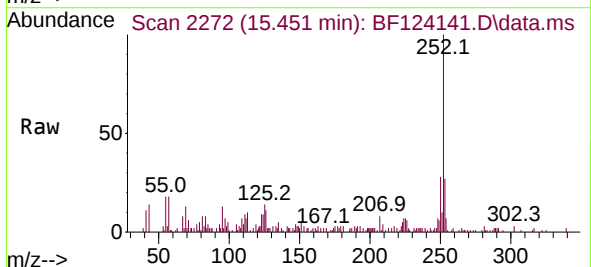
RT: 15.451 min Scan# 2272

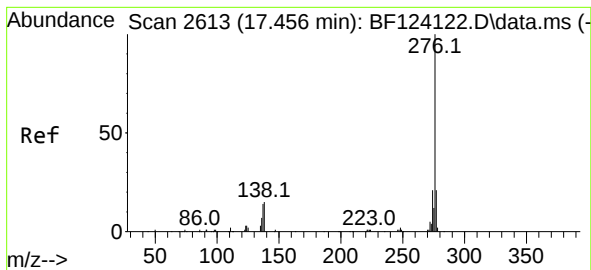
Delta R.T. -0.000 min

Lab File: BF124141.D

Acq: 4 Jun 2021 15:54

Tgt Ion:	252	Resp:	32698
Ion Ratio	Lower	Upper	
252	100		
253	27.5	18.4	27.6
125	14.1	8.0	12.0#





#92

Benzo(g,h,i)perylene

Concen: 7.03 ng m

RT: 17.450 min Scan# 2612

Delta R.T. -0.006 min

Lab File: BF124141.D

Acq: 4 Jun 2021 15:54

Tgt Ion:	276	Resp:	16481
Ion Ratio	Lower	Upper	
276	100		
277	30.8	18.2	27.2#
138	25.1	13.8	20.6#

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-073-B

Manual Integrations
APPROVED

mohammad
6/7/2021 12:24:34 PM

