

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101520\
 Data File : BF122002.D
 Acq On : 15 Oct 2020 20:51
 Operator : JU/CG
 Sample : L4406-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-101420-A

Manual Integrations
 APPROVED

mohammad
 10/16/2020 12:48:08 PM

Quant Time: Oct 16 01:09:06 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 15 12:55:05 2020
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	106251	20.00	ng	0.00
21) Naphthalene-d8	8.028	136	413101	20.00	ng	0.00
39) Acenaphthene-d10	9.775	164	204107	20.00	ng	0.00
64) Phenanthrene-d10	11.263	188	329708	20.00	ng	0.00
76) Chrysene-d12	13.904	240	247390	20.00	ng	0.00
86) Perylene-d12	15.339	264	252391	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	299341	41.58	ng	0.00
7) Phenol-d6	6.387	99	393591	42.47	ng	0.00
23) Nitrobenzene-d5	7.310	82	264066	32.78	ng	0.00
42) 2,4,6-Tribromophenol	10.569	330	79069	31.32	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	473100	34.10	ng	0.00
79) Terphenyl-d14	12.845	244	351614	27.09	ng	0.00
Target Compounds						Qvalue
50) Dimethylphthalate	9.498	163	68104	4.56	ng	99
71) Phenanthrene	11.286	178	317982	17.59	ng	99
72) Anthracene	11.339	178	48287	2.58	ng	98
73) Carbazole	11.498	167	39685	2.38	ng	99
75) Fluoranthene	12.474	202	436791	22.53	ng	98
78) Pyrene	12.704	202	360985	19.15	ng	98
81) Benzo(a)anthracene	13.892	228	184686	11.39	ng	99
83) Chrysene	13.927	228	168656	10.60	ng	98
87) Indeno(1,2,3-cd)pyrene	16.751	276	83060	5.07	ng	96
88) Benzo(b)fluoranthene	14.927	252	221776m	13.00	ng	
89) Benzo(k)fluoranthene	14.957	252	79161m	4.88	ng	
90) Benzo(a)pyrene	15.280	252	152099	10.32	ng	97
92) Benzo(g,h,i)perylene	17.180	276	78567	5.82	ng	99

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

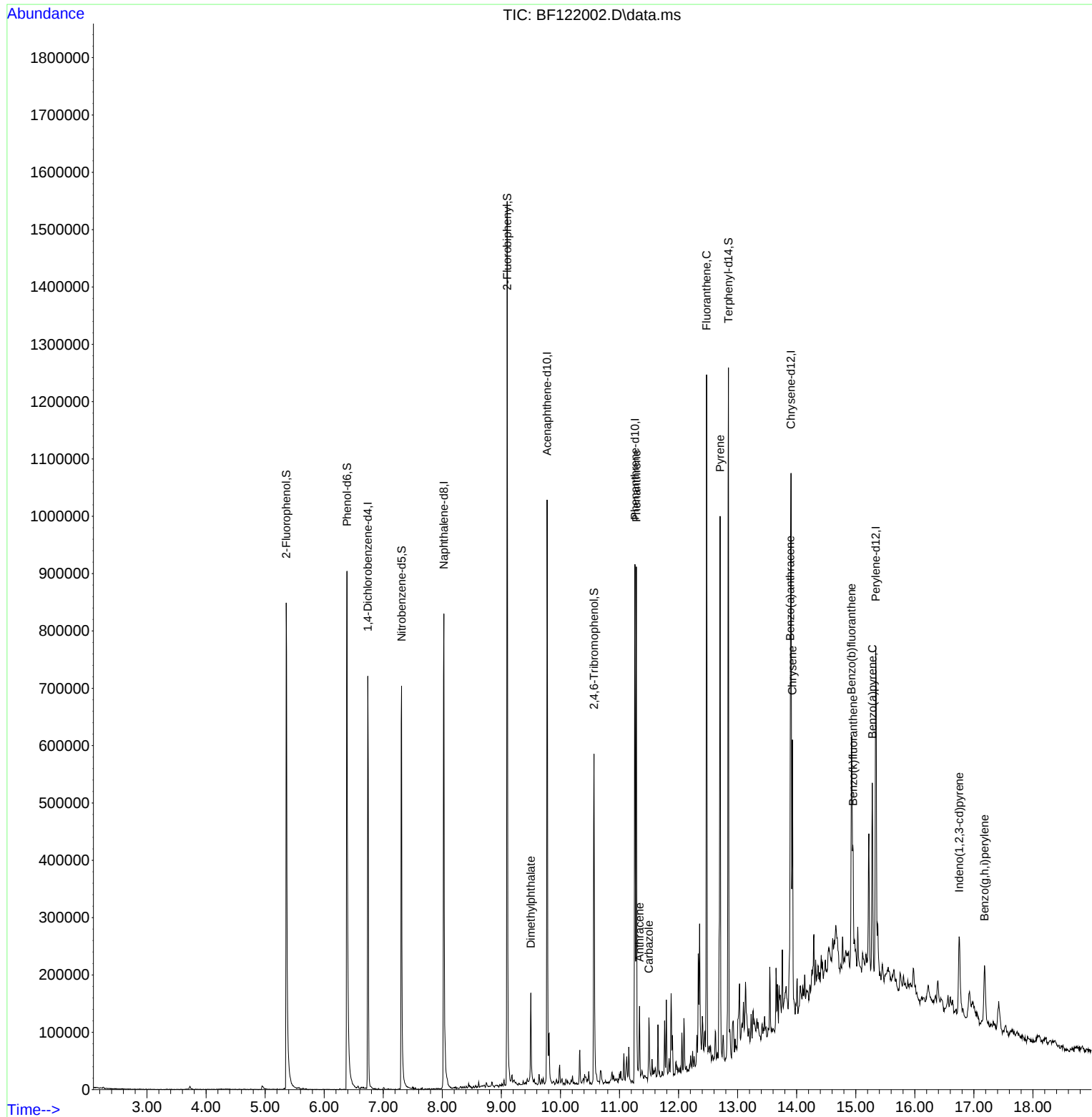
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101520\
Data File : BF122002.D
Acq On : 15 Oct 2020 20:51
Operator : JU/CG
Sample : L4406-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JC-02-101420-A

Manual Integrations
APPROVED

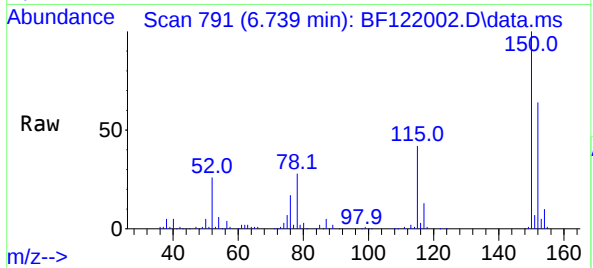
mohammad
10/16/2020 12:48:08 PM

Quant Time: Oct 16 01:09:06 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 15 12:55:05 2020
Response via : Initial Calibration

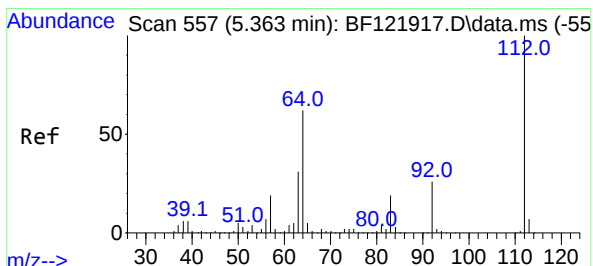
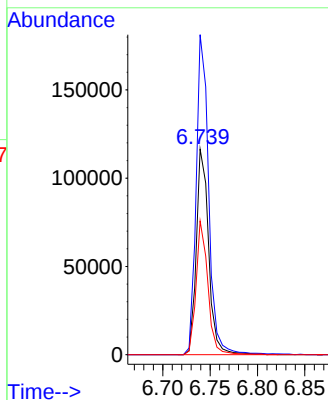
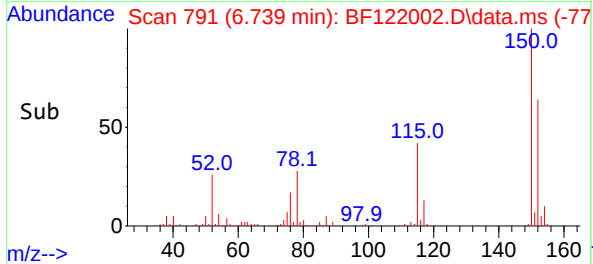




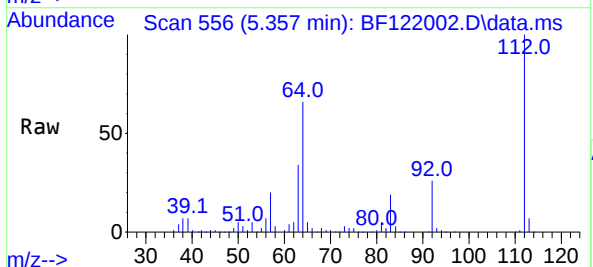
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.739 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF122002.D
Acq: 15 Oct 2020 20:51



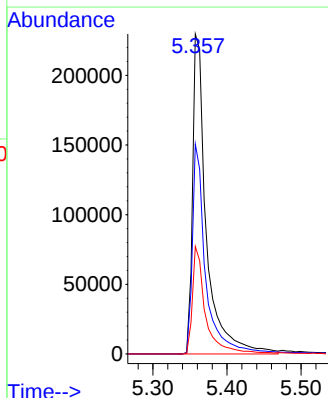
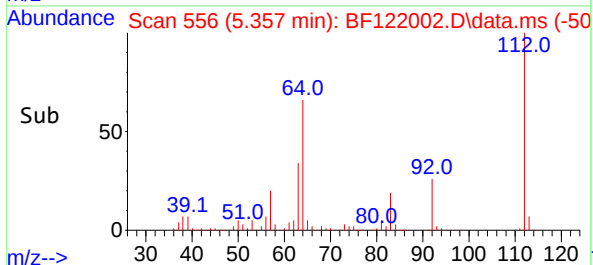
Tgt Ion:152 Resp: 106251
Ion Ratio Lower Upper
152 100
150 155.6 125.3 187.9
115 65.1 51.9 77.9



#5
2-Fluorophenol
Concen: 41.58 ng
RT: 5.357 min Scan# 556
Delta R.T. -0.006 min
Lab File: BF122002.D
Acq: 15 Oct 2020 20:51



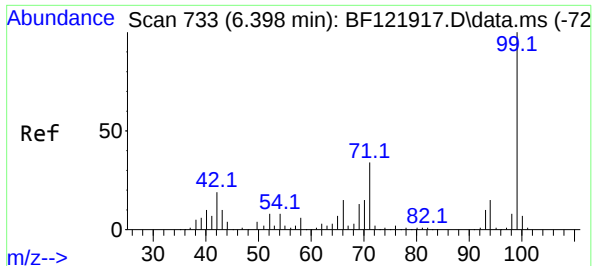
Tgt Ion:112 Resp: 299341
Ion Ratio Lower Upper
112 100
64 65.6 50.4 75.6
63 33.6 25.8 38.6



Instrument :
BNA_F
ClientSampleId :
JC-02-101420-A

Manual Integrations
APPROVED

mohammad
10/16/2020 12:48:08 PM



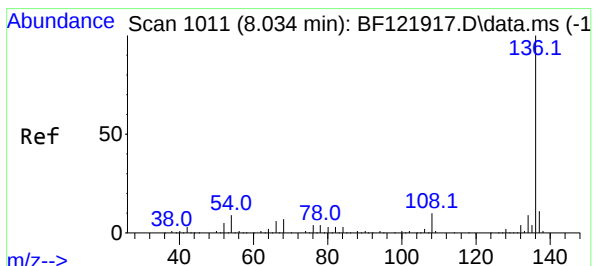
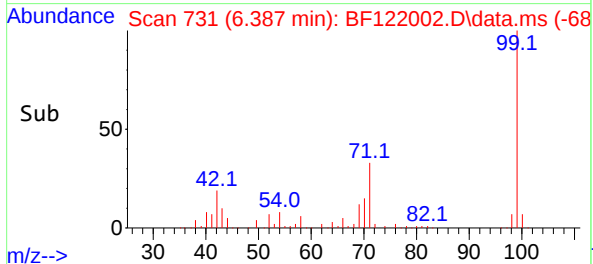
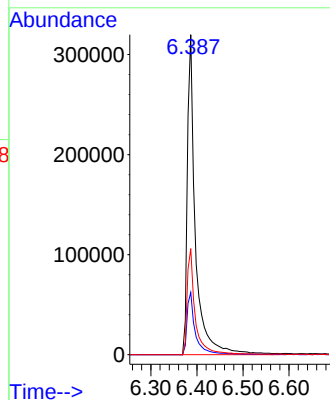
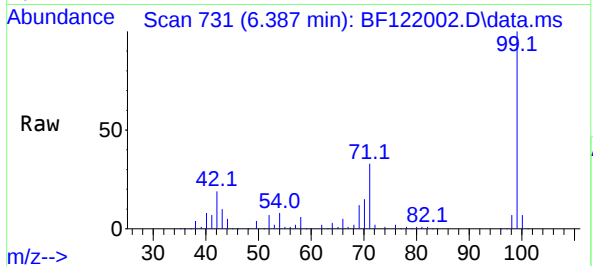
#7
Phenol-d6
Concen: 42.47 ng
RT: 6.387 min Scan# 731
Delta R.T. -0.006 min
Lab File: BF122002.D
Acq: 15 Oct 2020 20:51

Tgt Ion: 99 Resp: 393591
Ion Ratio Lower Upper
99 100
42 19.5 15.9 23.9
71 33.2 27.1 40.7

Instrument :
BNA_F
ClientSampleId :
JC-02-101420-A

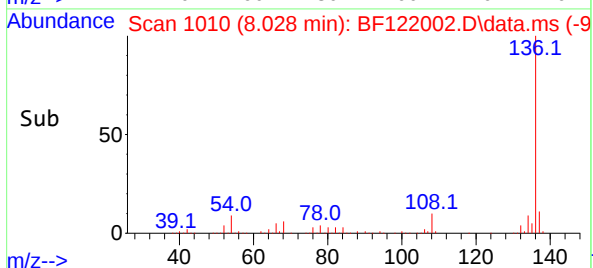
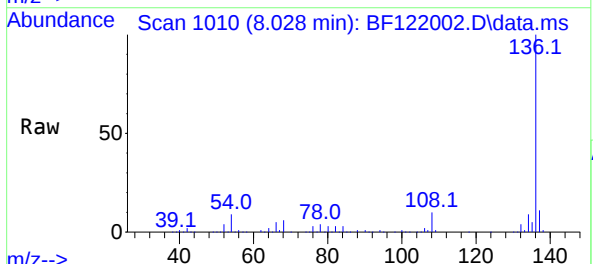
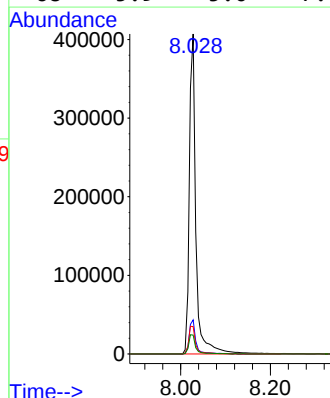
Manual Integrations
APPROVED

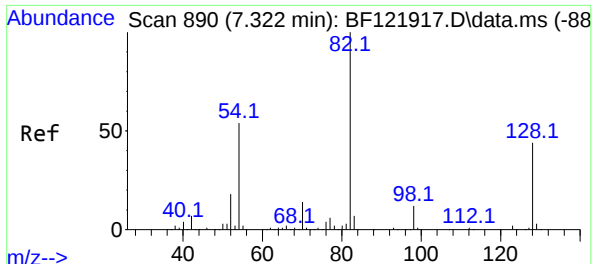
mohammad
10/16/2020 12:48:08 PM



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.028 min Scan# 1010
Delta R.T. 0.000 min
Lab File: BF122002.D
Acq: 15 Oct 2020 20:51

Tgt Ion: 136 Resp: 413101
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 8.6 7.1 10.7
68 5.9 5.0 7.4





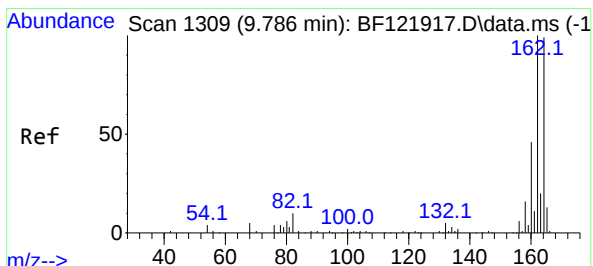
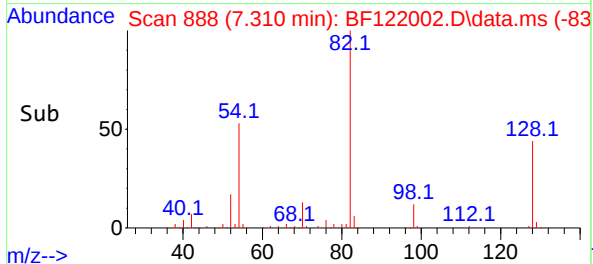
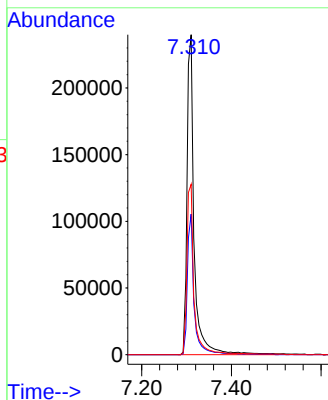
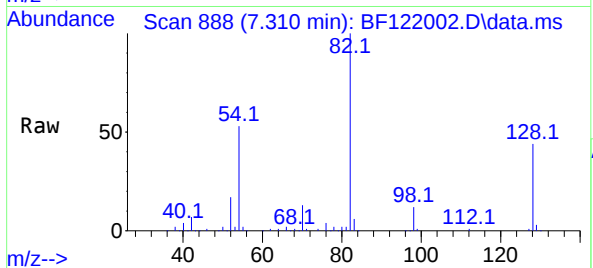
#23
Nitrobenzene-d5
Concen: 32.78 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.006 min
Lab File: BF122002.D
Acq: 15 Oct 2020 20:51

Tgt Ion: 82 Resp: 264066
Ion Ratio Lower Upper
82 100
128 44.0 35.0 52.4
54 53.3 43.9 65.9

Instrument :
BNA_F
ClientSampleId :
JC-02-101420-A

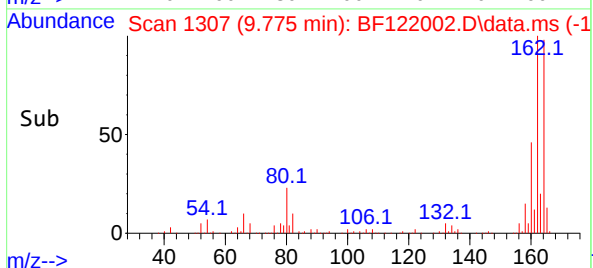
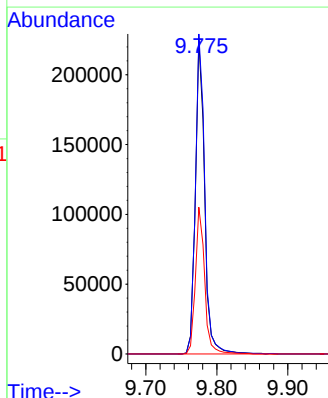
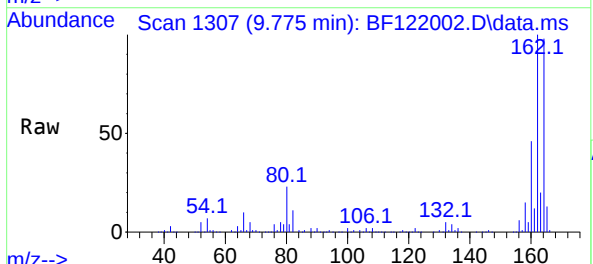
Manual Integrations
APPROVED

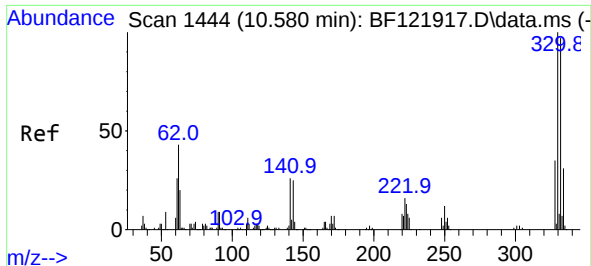
mohammad
10/16/2020 12:48:08 PM



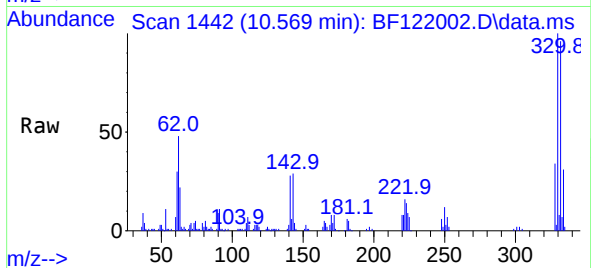
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.006 min
Lab File: BF122002.D
Acq: 15 Oct 2020 20:51

Tgt Ion: 164 Resp: 204107
Ion Ratio Lower Upper
164 100
162 102.3 83.2 124.8
160 46.9 37.5 56.3

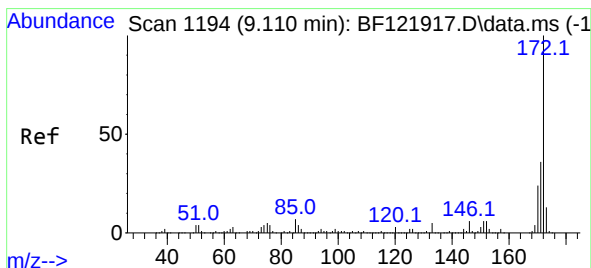
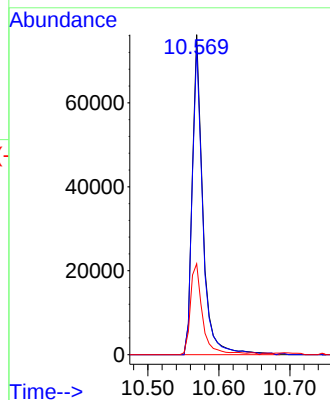
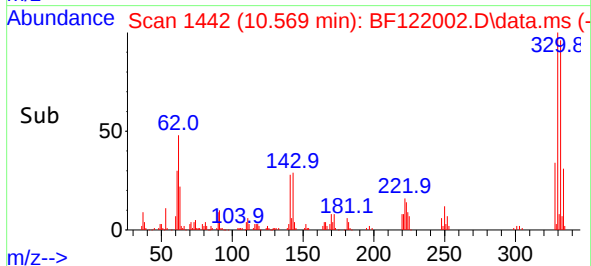




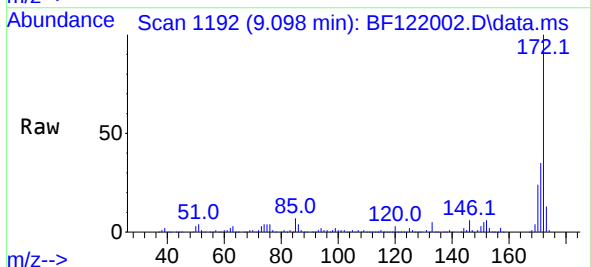
#42
2,4,6-Tribromophenol
Concen: 31.32 ng
RT: 10.569 min Scan# 1442
Delta R.T. -0.006 min
Lab File: BF122002.D
Acq: 15 Oct 2020 20:51



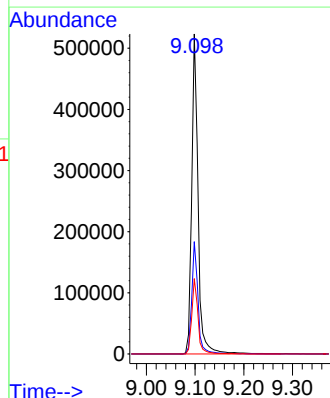
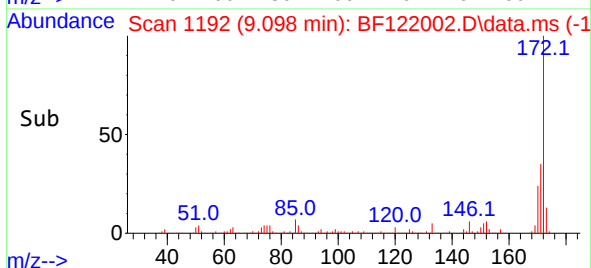
Tgt Ion: 330 Resp: 79069
Ion Ratio Lower Upper
330 100
332 96.8 77.3 115.9
141 32.9 22.3 33.5



#45
2-Fluorobiphenyl
Concen: 34.10 ng
RT: 9.098 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BF122002.D
Acq: 15 Oct 2020 20:51



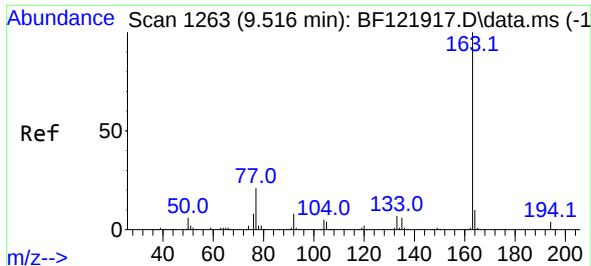
Tgt Ion: 172 Resp: 473100
Ion Ratio Lower Upper
172 100
171 35.1 29.1 43.7
170 23.6 19.8 29.6



Instrument :
BNA_F
ClientSampleId :
JC-02-101420-A

Manual Integrations
APPROVED

mohammad
10/16/2020 12:48:08 PM



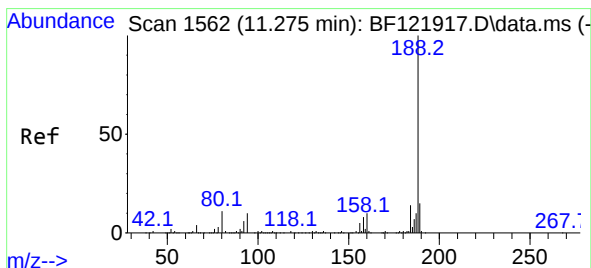
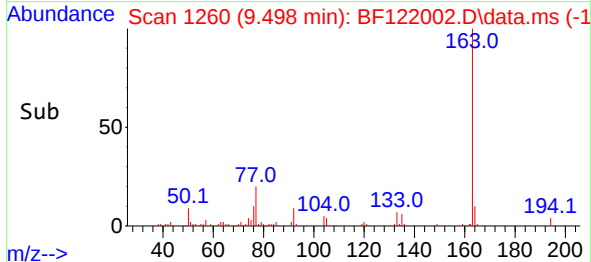
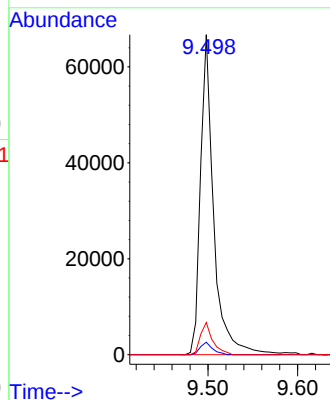
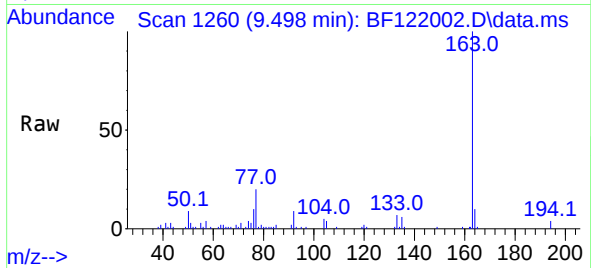
#50
Dimethylphthalate
Concen: 4.56 ng
RT: 9.498 min Scan# 1260
Delta R.T. -0.006 min
Lab File: BF122002.D
Acq: 15 Oct 2020 20:51

Tgt Ion:163 Resp: 68104
Ion Ratio Lower Upper
163 100
194 3.9 3.3 4.9
164 10.0 8.2 12.4

Instrument :
BNA_F
ClientSampleId :
JC-02-101420-A

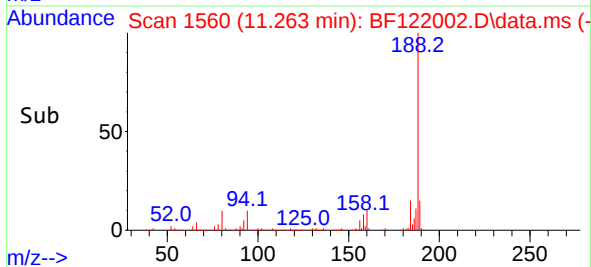
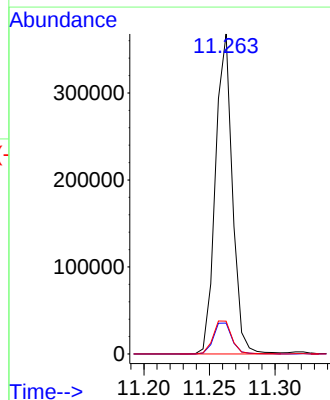
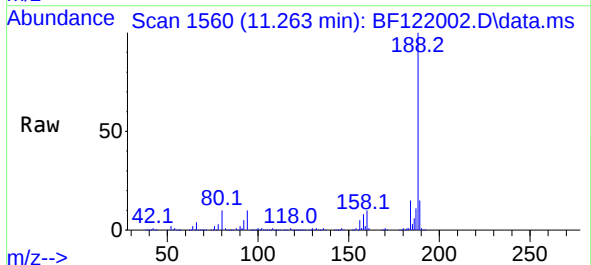
Manual Integrations
APPROVED

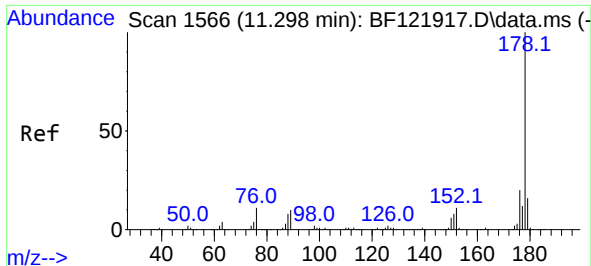
mohammad
10/16/2020 12:48:08 PM



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.263 min Scan# 1560
Delta R.T. 0.000 min
Lab File: BF122002.D
Acq: 15 Oct 2020 20:51

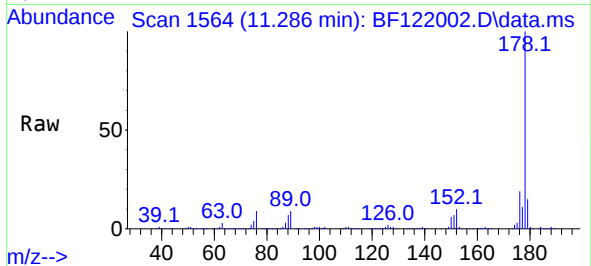
Tgt Ion:188 Resp: 329708
Ion Ratio Lower Upper
188 100
94 9.6 8.3 12.5
80 10.2 9.1 13.7





#71
Phenanthrene
Concen: 17.59 ng
RT: 11.286 min Scan# 1564
Delta R.T. -0.006 min
Lab File: BF122002.D
Acq: 15 Oct 2020 20:51

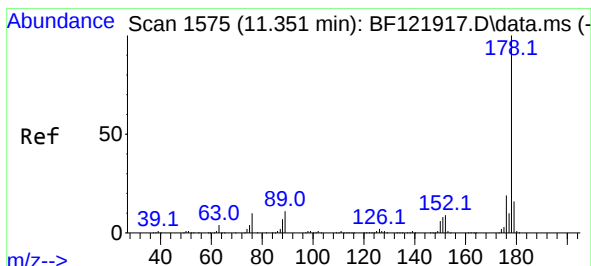
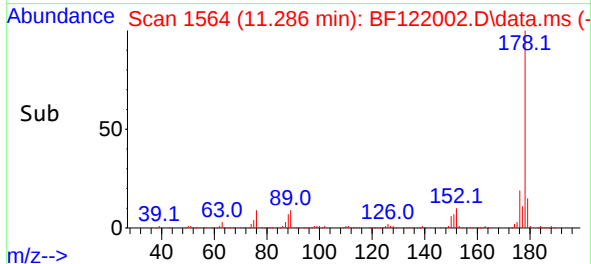
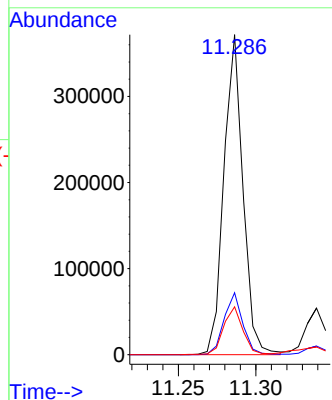
Instrument :
BNA_F
ClientSampleId :
JC-02-101420-A



Tgt Ion:178 Resp: 317982
Ion Ratio Lower Upper
178 100
176 19.4 15.9 23.9
179 14.9 12.2 18.4

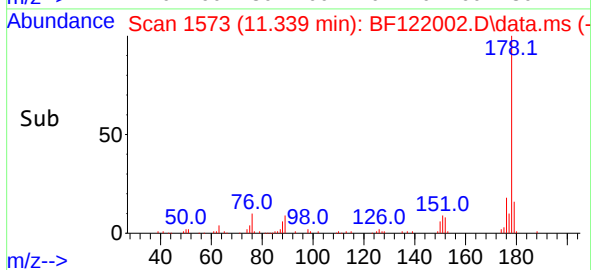
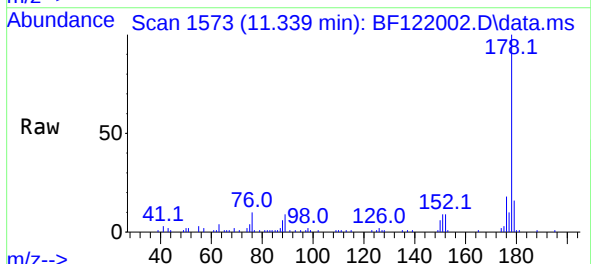
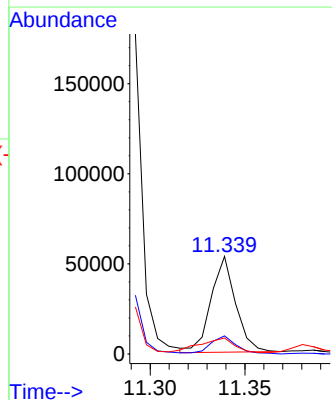
Manual Integrations
APPROVED

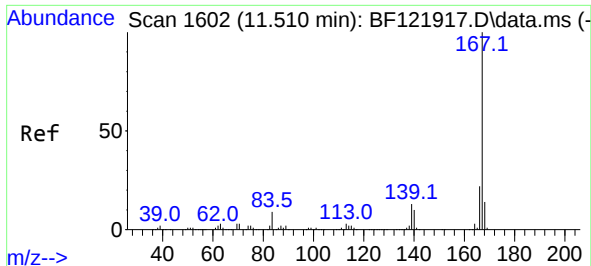
mohammad
10/16/2020 12:48:08 PM



#72
Anthracene
Concen: 2.58 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF122002.D
Acq: 15 Oct 2020 20:51

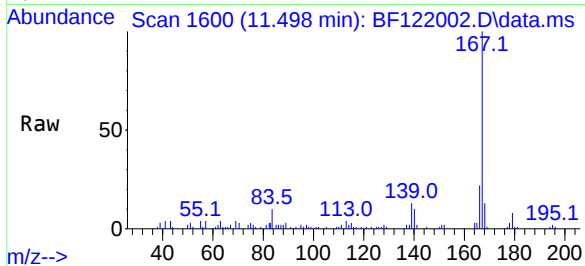
Tgt Ion:178 Resp: 48287
Ion Ratio Lower Upper
178 100
176 18.5 15.7 23.5
179 16.4 12.7 19.1





#73
 Carbazole
 Concen: 2.38 ng
 RT: 11.498 min Scan# 1600
 Delta R.T. -0.006 min
 Lab File: BF122002.D
 Acq: 15 Oct 2020 20:51

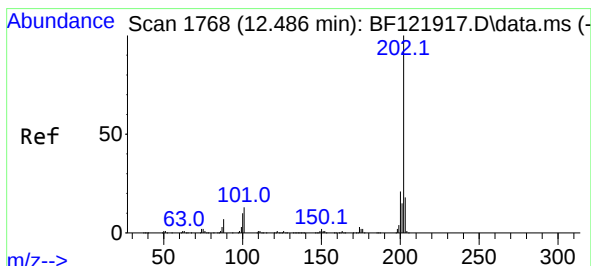
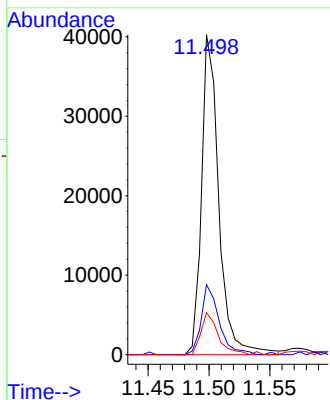
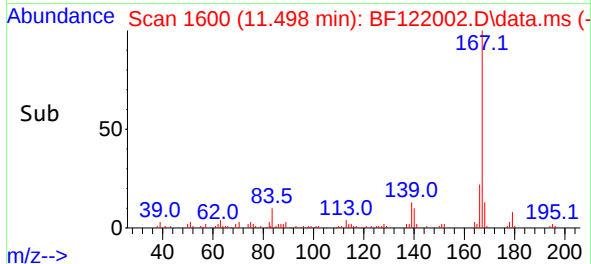
Instrument :
 BNA_F
 ClientSampleId :
 JC-02-101420-A



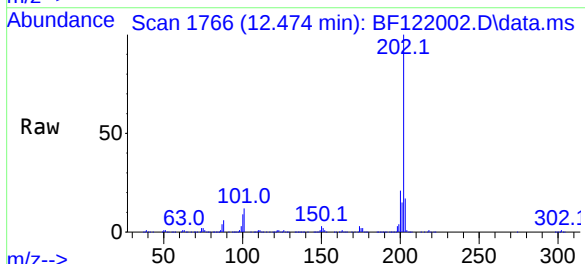
Tgt Ion:167 Resp: 39685
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.8 26.6
 139 13.2 10.8 16.2

Manual Integrations
 APPROVED

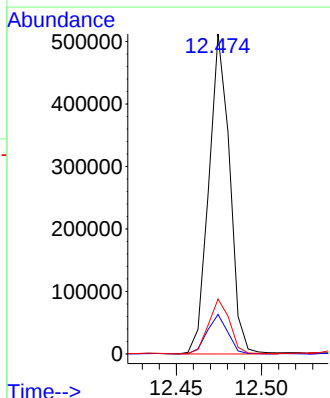
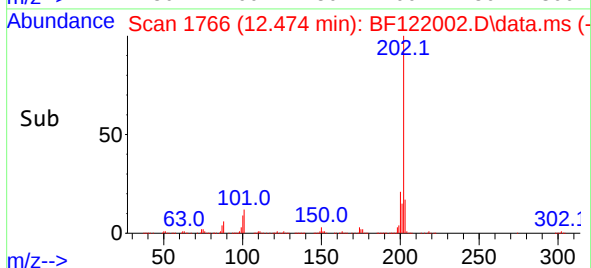
mohammad
 10/16/2020 12:48:08 PM

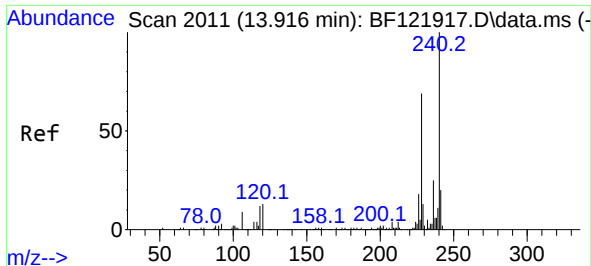


#75
 Fluoranthene
 Concen: 22.53 ng
 RT: 12.474 min Scan# 1766
 Delta R.T. -0.006 min
 Lab File: BF122002.D
 Acq: 15 Oct 2020 20:51



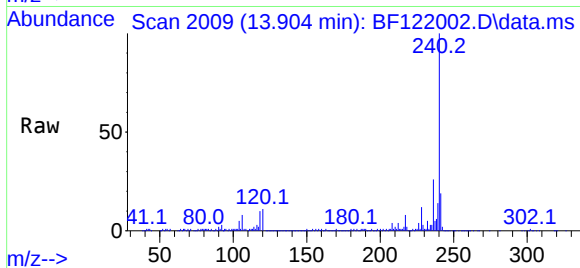
Tgt Ion:202 Resp: 436791
 Ion Ratio Lower Upper
 202 100
 101 12.3 0.0 33.4
 203 17.2 0.0 37.9





#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.904 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF122002.D
Acq: 15 Oct 2020 20:51

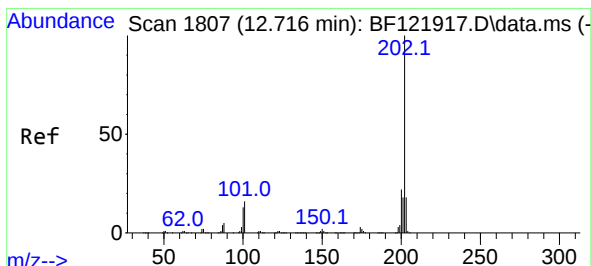
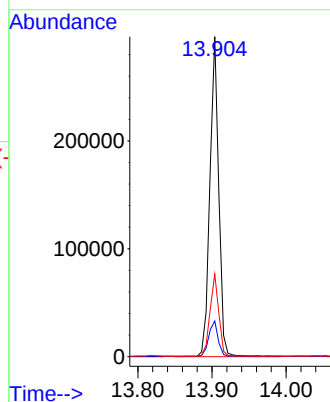
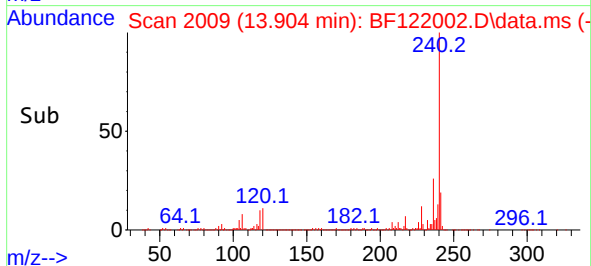
Instrument :
BNA_F
ClientSampleId :
JC-02-101420-A



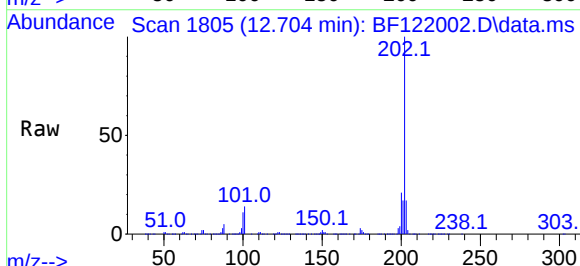
Tgt Ion:240 Resp: 247390
Ion Ratio Lower Upper
240 100
120 11.2 9.2 13.8
236 25.8 20.9 31.3

Manual Integrations
APPROVED

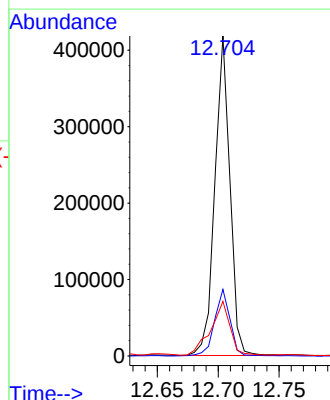
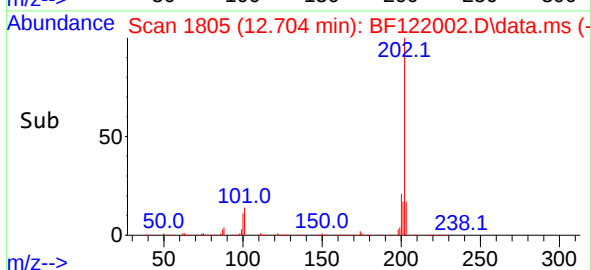
mohammad
10/16/2020 12:48:08 PM

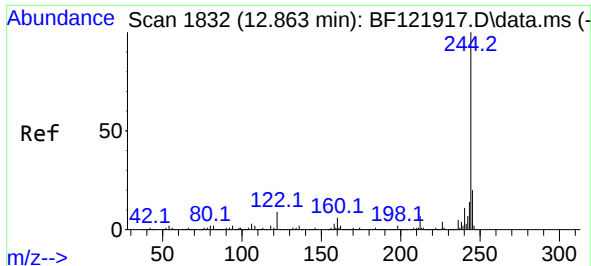


#78
Pyrene
Concen: 19.15 ng
RT: 12.704 min Scan# 1805
Delta R.T. -0.006 min
Lab File: BF122002.D
Acq: 15 Oct 2020 20:51



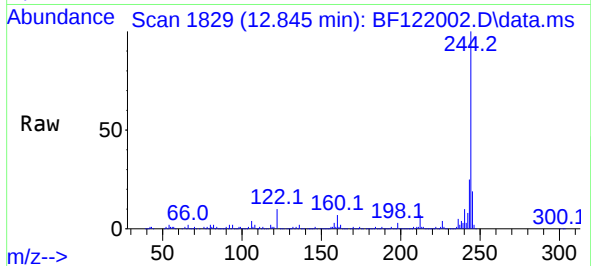
Tgt Ion:202 Resp: 360985
Ion Ratio Lower Upper
202 100
200 20.8 17.4 26.2
203 17.1 14.6 21.8





#79
Terphenyl-d14
Concen: 27.09 ng
RT: 12.845 min Scan# 1829
Delta R.T. -0.006 min
Lab File: BF122002.D
Acq: 15 Oct 2020 20:51

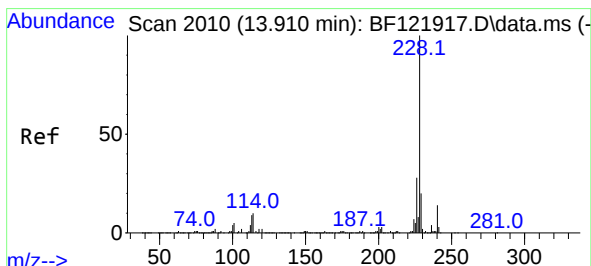
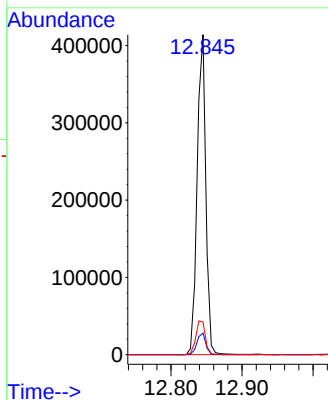
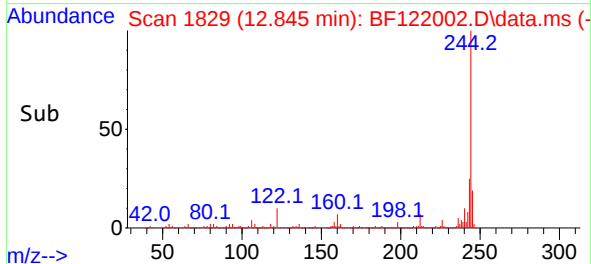
Instrument :
BNA_F
ClientSampleId :
JC-02-101420-A



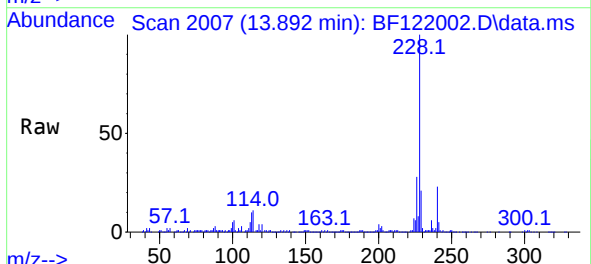
Tgt Ion:244 Resp: 351614
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.2
122 10.2 8.1 12.1

Manual Integrations
APPROVED

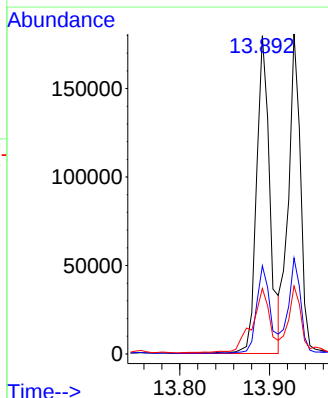
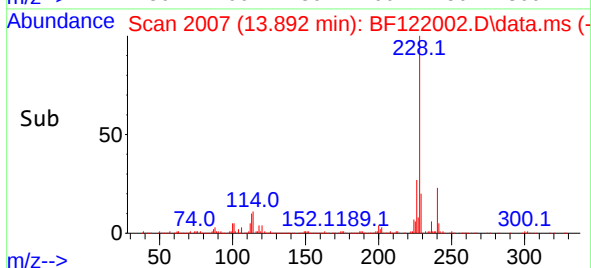
mohammad
10/16/2020 12:48:08 PM

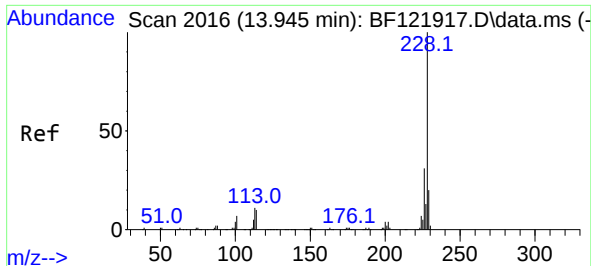


#81
Benzo(a)anthracene
Concen: 11.39 ng
RT: 13.892 min Scan# 2007
Delta R.T. -0.006 min
Lab File: BF122002.D
Acq: 15 Oct 2020 20:51



Tgt Ion:228 Resp: 184686
Ion Ratio Lower Upper
228 100
226 27.7 22.3 33.5
229 20.6 16.2 24.4





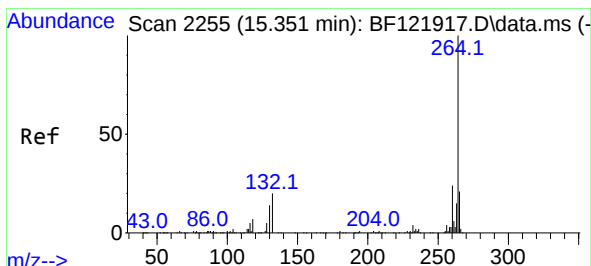
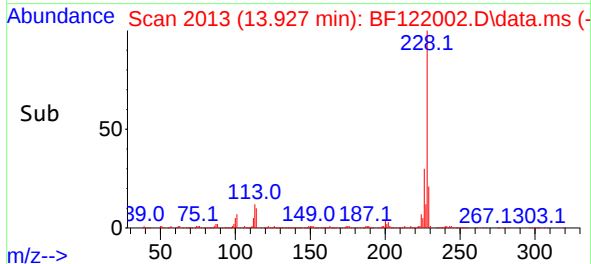
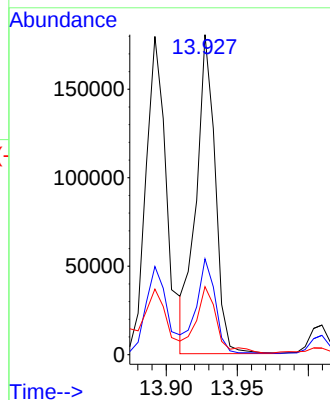
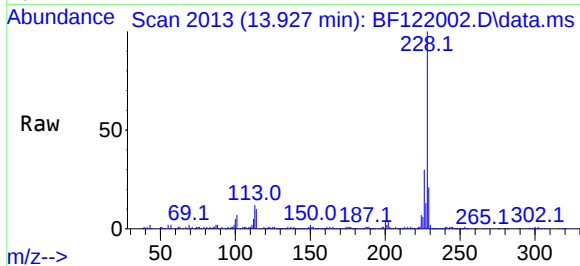
#83
Chrysene
Concen: 10.60 ng
RT: 13.927 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF122002.D
Acq: 15 Oct 2020 20:51

Tgt Ion:	228	Resp:	168656
Ion Ratio	Lower	Upper	
228	100		
226	30.0	24.6	37.0
229	21.3	15.9	23.9

Instrument :
BNA_F
ClientSampleId :
JC-02-101420-A

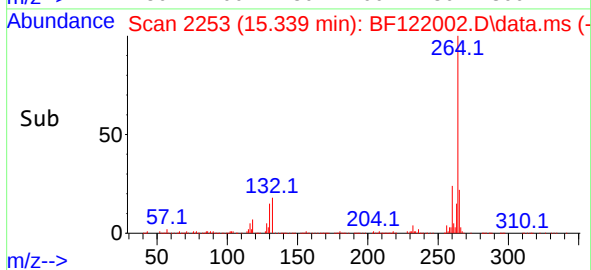
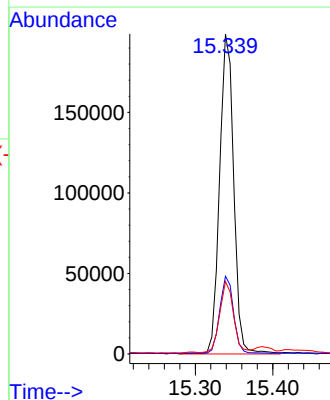
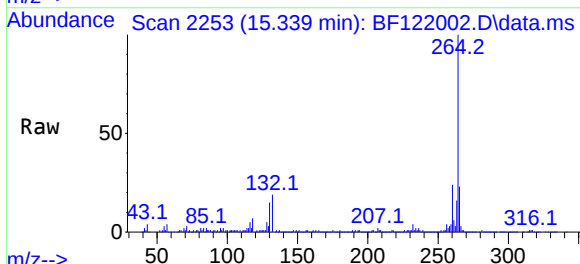
Manual Integrations
APPROVED

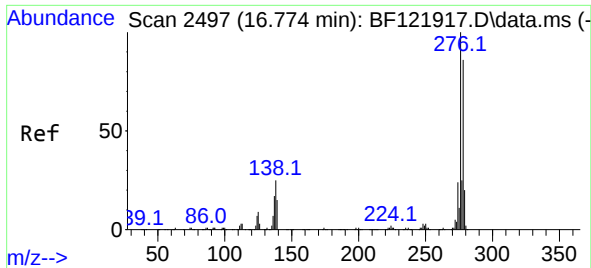
mohammad
10/16/2020 12:48:08 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.339 min Scan# 2253
Delta R.T. 0.000 min
Lab File: BF122002.D
Acq: 15 Oct 2020 20:51

Tgt Ion:	264	Resp:	252391
Ion Ratio	Lower	Upper	
264	100		
260	24.3	18.7	28.1
265	22.7	17.3	25.9





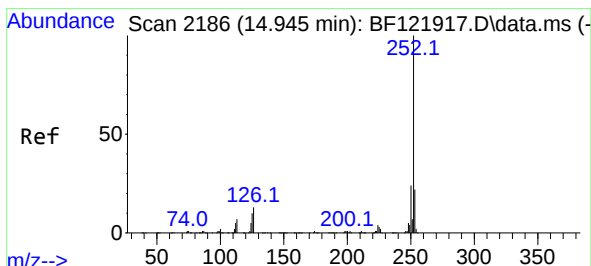
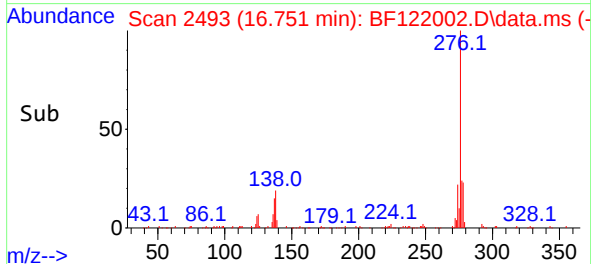
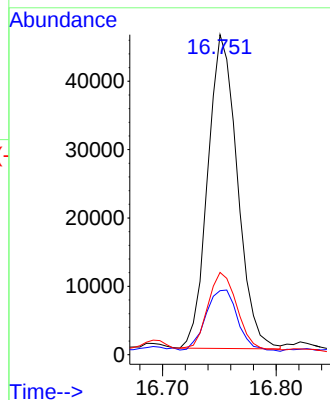
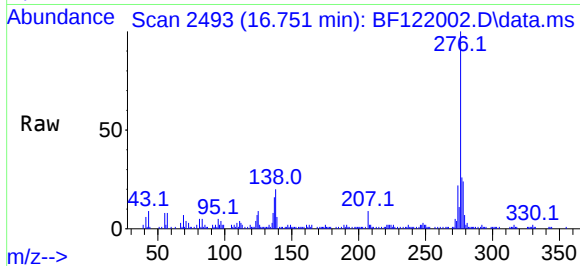
#87
Indeno(1,2,3-cd)pyrene
Concen: 5.07 ng
RT: 16.751 min Scan# 2493
Delta R.T. -0.012 min
Lab File: BF122002.D
Acq: 15 Oct 2020 20:51

Tgt Ion:	276	Resp:	83060
Ion Ratio	Lower	Upper	
276	100		
138	21.5	19.9	29.9
277	25.9	20.4	30.6

Instrument :
BNA_F
ClientSampleId :
JC-02-101420-A

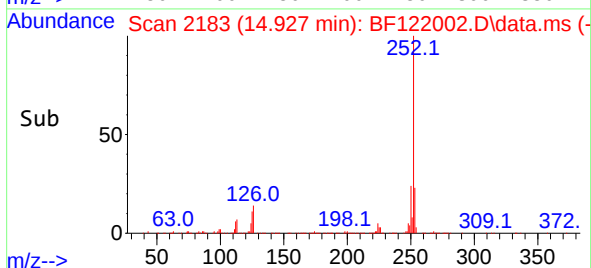
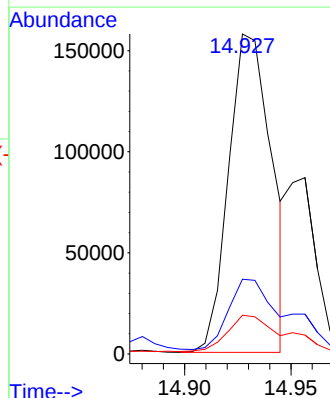
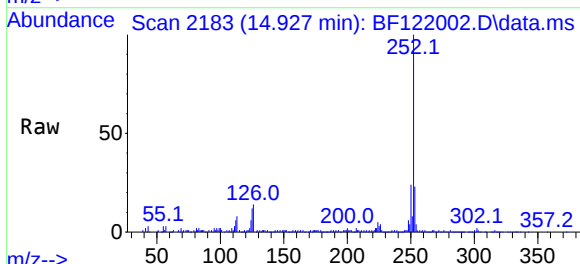
Manual Integrations
APPROVED

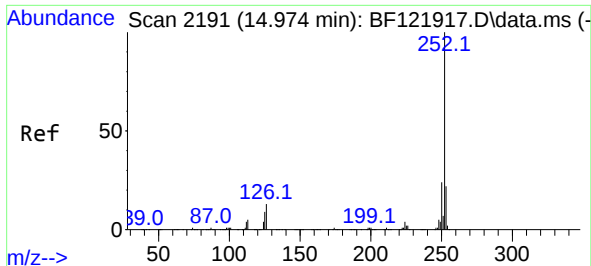
mohammad
10/16/2020 12:48:08 PM



#88
Benzo(b)fluoranthene
Concen: 13.00 ng m
RT: 14.927 min Scan# 2183
Delta R.T. -0.006 min
Lab File: BF122002.D
Acq: 15 Oct 2020 20:51

Tgt Ion:	252	Resp:	221776
Ion Ratio	Lower	Upper	
252	100		
253	23.3	18.2	27.2
125	12.1	8.0	12.0#





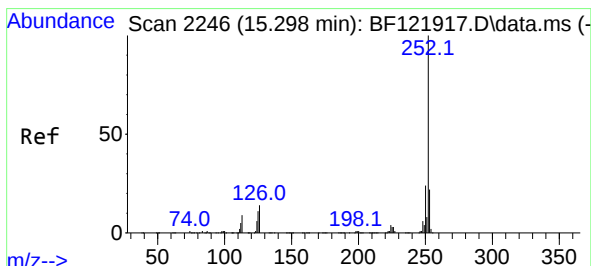
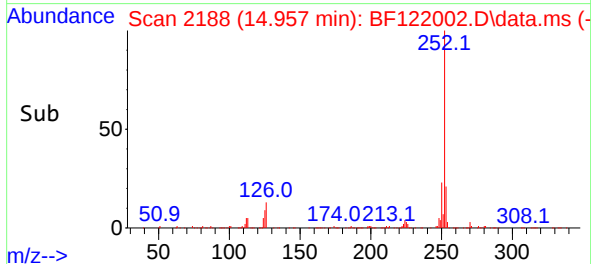
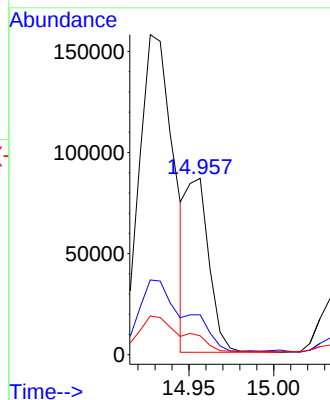
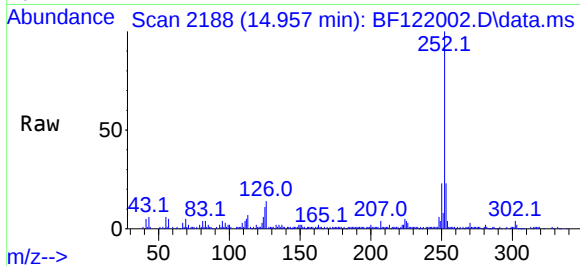
#89
Benzo(k)fluoranthene
Concen: 4.88 ng m
RT: 14.957 min Scan# 2188
Delta R.T. -0.006 min
Lab File: BF122002.D
Acq: 15 Oct 2020 20:51

Tgt Ion:	252	Resp:	79161
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.8	26.6
125	10.7	7.7	11.5

Instrument :
BNA_F
ClientSampleId :
JC-02-101420-A

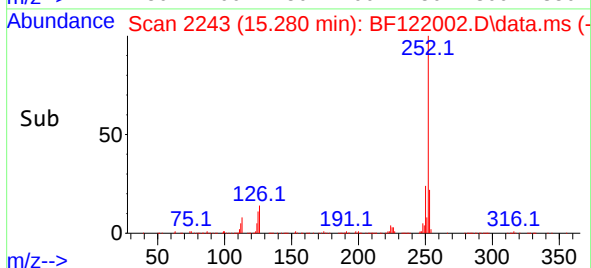
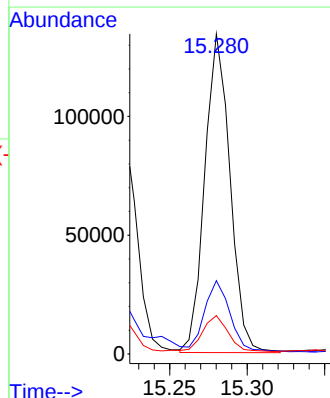
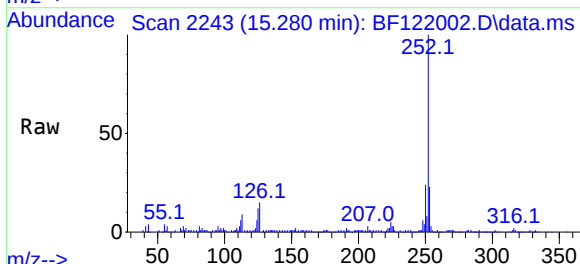
Manual Integrations
APPROVED

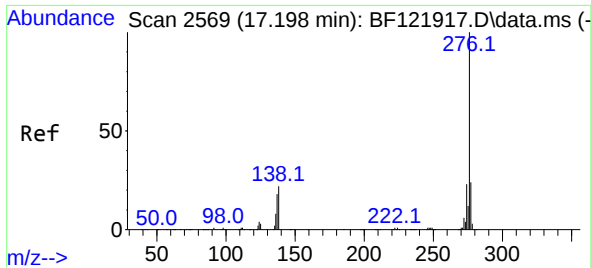
mohammad
10/16/2020 12:48:08 PM



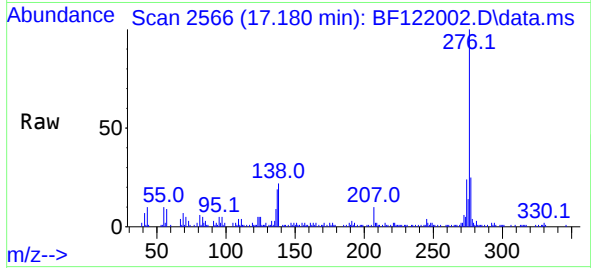
#90
Benzo(a)pyrene
Concen: 10.32 ng
RT: 15.280 min Scan# 2243
Delta R.T. -0.006 min
Lab File: BF122002.D
Acq: 15 Oct 2020 20:51

Tgt Ion:	252	Resp:	152099
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.3	25.9
125	12.0	8.6	13.0

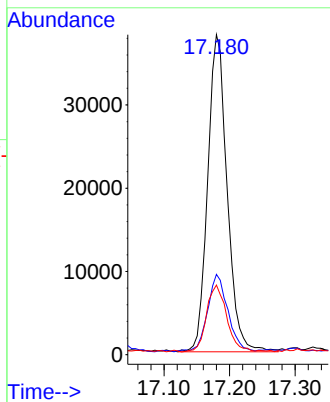
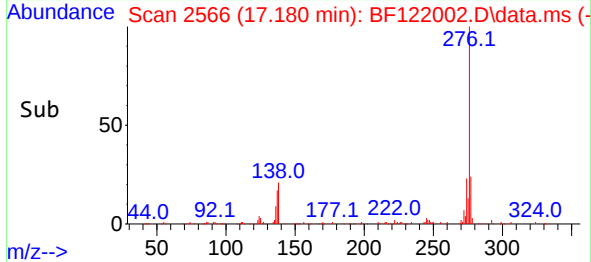




#92
 Benzo(g,h,i)perylene
 Concen: 5.82 ng
 RT: 17.180 min Scan# 2566
 Delta R.T. -0.006 min
 Lab File: BF122002.D
 Acq: 15 Oct 2020 20:51



Tgt Ion:	276	Resp:	78567
Ion Ratio	Lower	Upper	
276	100		
277	25.1	19.4	29.2
138	21.7	17.8	26.6



Instrument :
 BNA_F
 ClientSampleId :
 JC-02-101420-A

Manual Integrations
 APPROVED

mohammad
 10/16/2020 12:48:08 PM