

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
 Data File : BF121729.D
 Acq On : 29 Sep 2020 14:13
 Operator : JU/CG
 Sample : L4154-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP-1

Manual Integrations
 APPROVED

mohammad
 10/1/2020 11:45:10 AM

Quant Time: Sep 29 14:42:24 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 29 11:12:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	142668	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	459874	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	210523	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	332331	20.00	ng	0.00
76) Chrysene-d12	13.94	240	318694	20.00	ng	0.00
86) Perylene-d12	15.39	264	262187	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	801001	83.44	ng	0.00
7) Phenol-d6	6.42	99	1002464	79.59	ng	0.00
23) Nitrobenzene-d5	7.35	82	670871	78.33	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	191450	73.17	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	997037	71.73	ng	0.00
79) Terphenyl-d14	12.90	244	857389	54.50	ng	0.00
Target Compounds						
37) 2-Methylnaphthalene	8.78	142	75320	4.734	ng	96
38) 1-Methylnaphthalene	8.88	142	71500	4.829	ng	# 95
49) Acenaphthylene	9.69	152	41326	2.025	ng	# 59
50) Dimethylphthalate	9.54	163	90813	5.952	ng	# 75
71) Phenanthrene	11.34	178	146472	8.089	ng	# 94
72) Anthracene	11.39	178	43491	2.328	ng	# 73
75) Fluoranthene	12.52	202	218249	11.291	ng	98
78) Pyrene	12.75	202	256595	11.020	ng	98
81) Benzo(a)anthracene	13.93	228	148526m	7.367	ng	
83) Chrysene	13.97	228	122412	5.996	ng	96
87) Indeno(1,2,3-cd)pyrene	16.80	276	72256	4.232	ng	95
88) Benzo(b)fluoranthene	14.97	252	164119m	9.364	ng	
89) Benzo(k)fluoranthene	14.99	252	54053m	3.368	ng	
90) Benzo(a)pyrene	15.32	252	106542	7.151	ng	# 95
92) Benzo(a,h,i)perylene	17.23	276	75683	5.417	ng	95

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

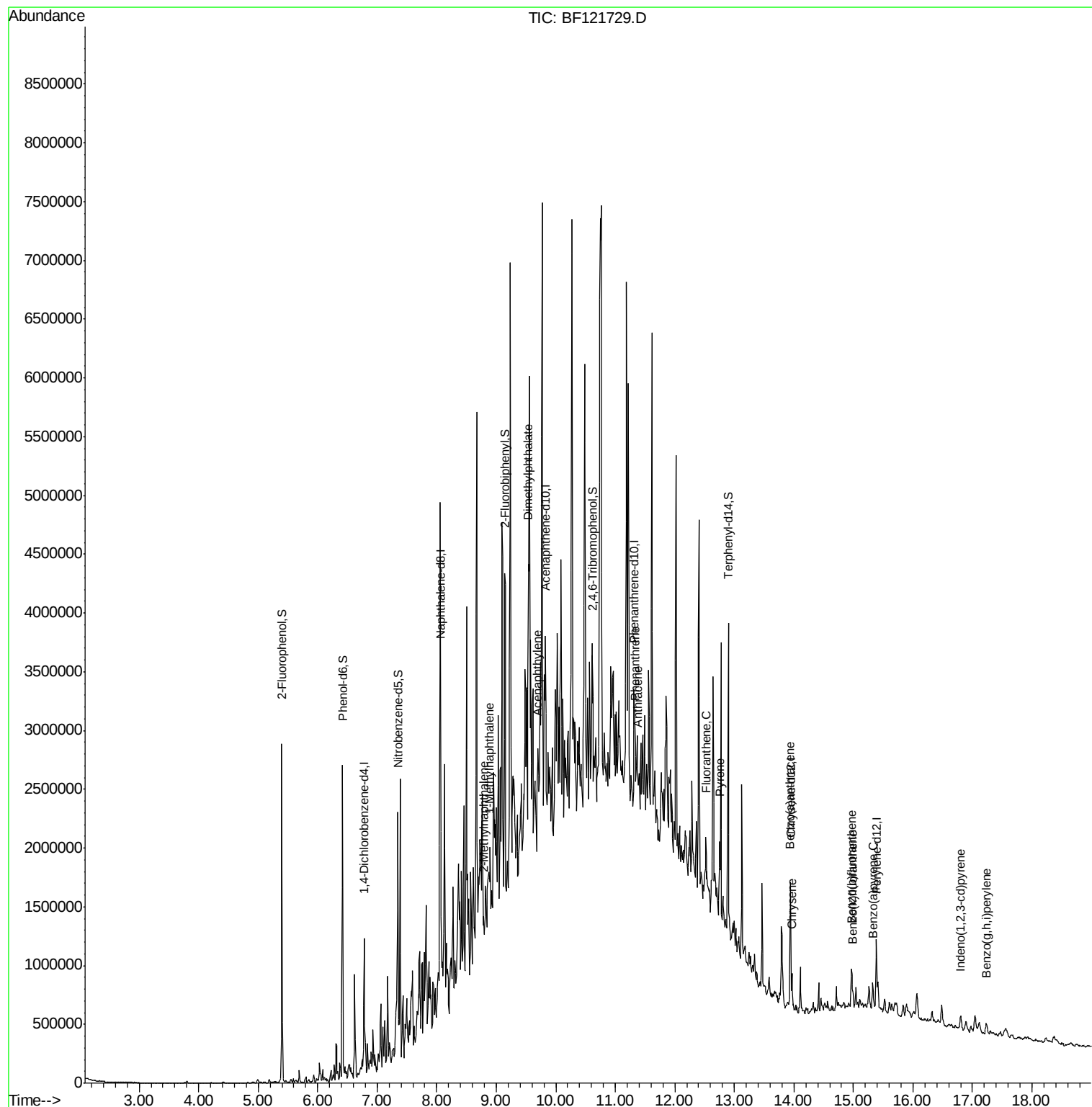
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
Data File : BF121729.D
Acq On : 29 Sep 2020 14:13
Operator : JU/CG
Sample : L4154-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-1

Manual Integrations
APPROVED

mohammad
10/1/2020 11:45:10 AM

Quant Time: Sep 29 14:42:24 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 29 11:12:14 2020
Response via : Initial Calibration





#1

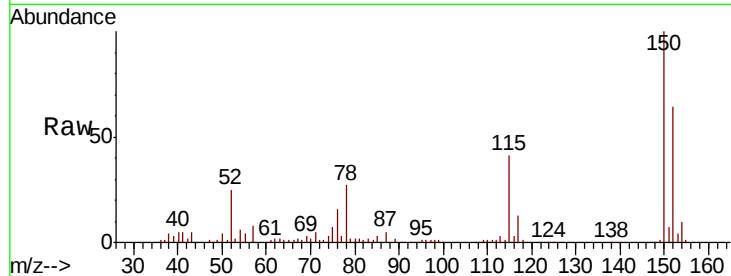
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF121729.D
Acq: 29 Sep 2020 14:13

Instrument :
BNA_F
ClientSampleId :
DUP-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	125.8	188.8
115	64.0	49.6	74.4

Manual Integrations
APPROVED

mohammad
10/1/2020 11:45:10 AM

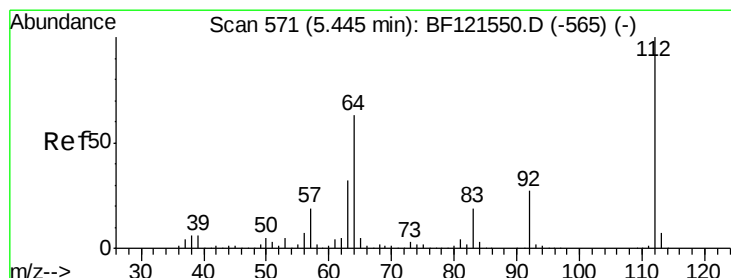
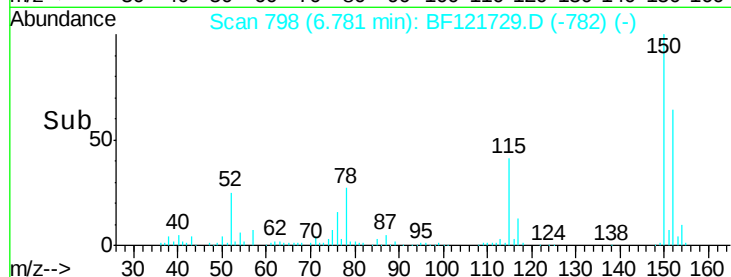
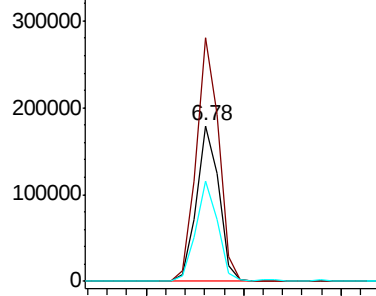


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

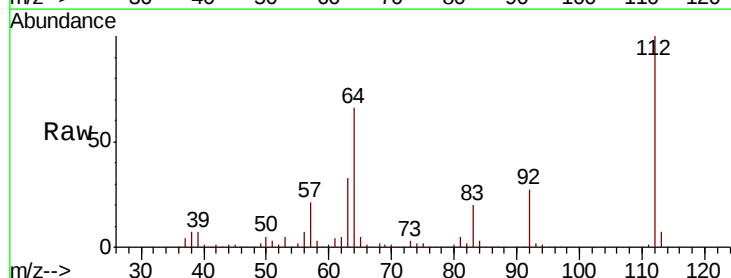
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 83.438 ng
RT: 5.40 min Scan# 563
Delta R.T. -0.01 min
Lab File: BF121729.D
Acq: 29 Sep 2020 14:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.6	51.2	76.8
63	33.4	25.9	38.9

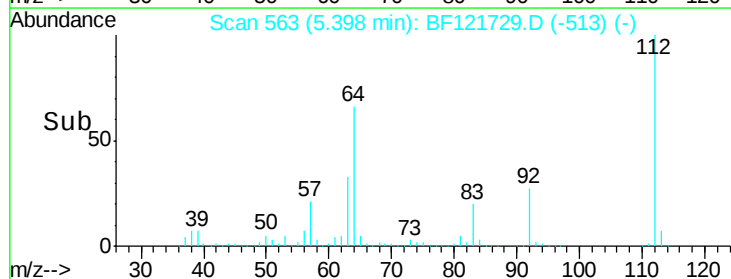
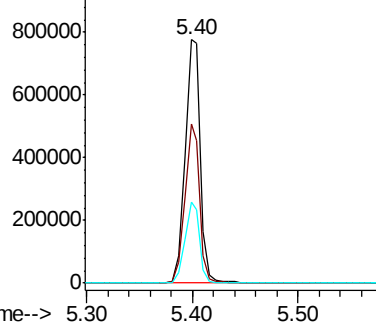


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 79.595 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF121729.D

Acq: 29 Sep 2020 14:13

Instrument :

BNA_F

ClientSampleId :

DUP-1

Tot Ion: 99 Resp: 1002464

Ion Ratio Lower Upper

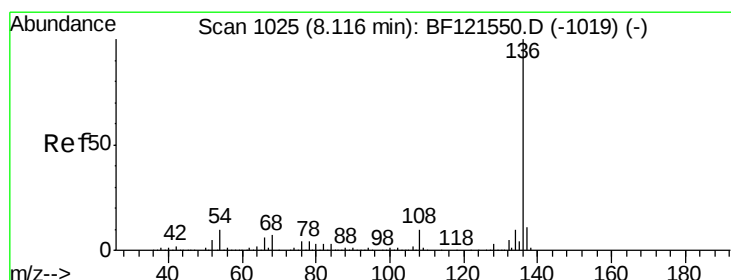
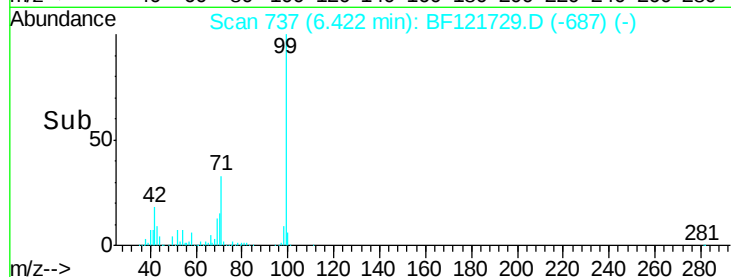
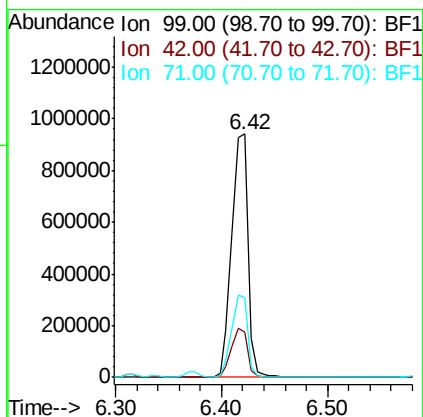
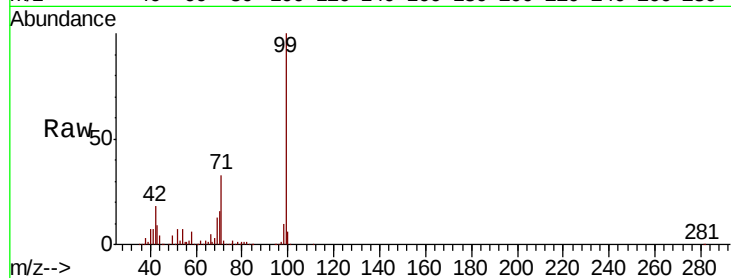
99 100

42 18.5 16.5 24.7

71 32.7 27.8 41.6

Manual Integrations
APPROVED

mohammad
10/1/2020 11:45:10 AM



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1017

Delta R.T. 0.00 min

Lab File: BF121729.D

Acq: 29 Sep 2020 14:13

Tgt Ion: 136 Resp: 459874

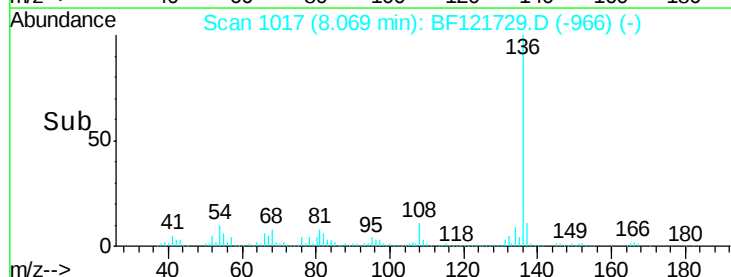
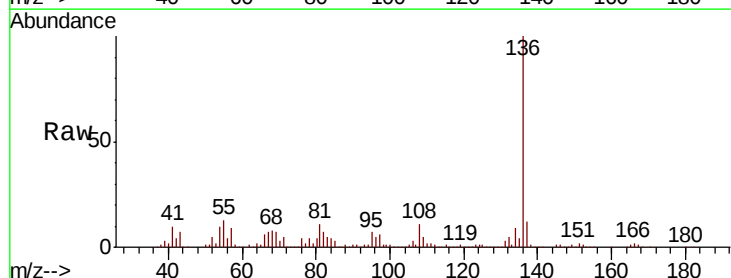
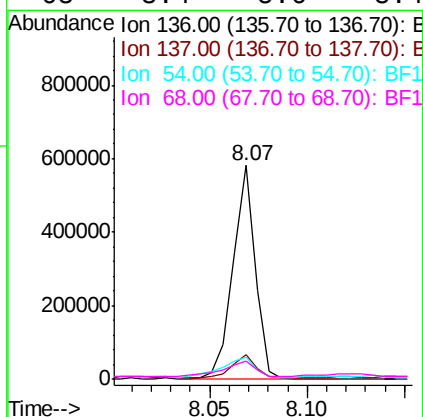
Ion Ratio Lower Upper

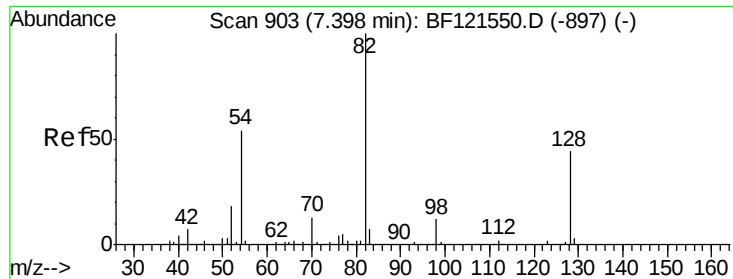
136 100

137 11.6 9.1 13.7

54 10.4 7.8 11.8

68 8.4 5.6 8.4





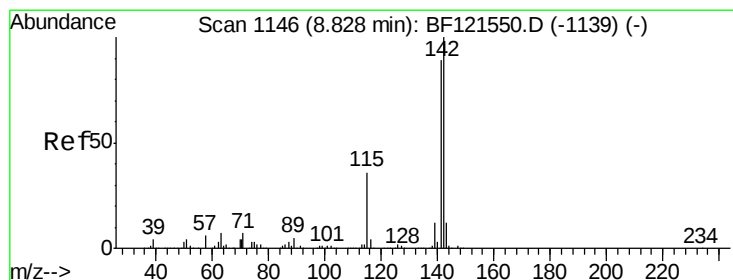
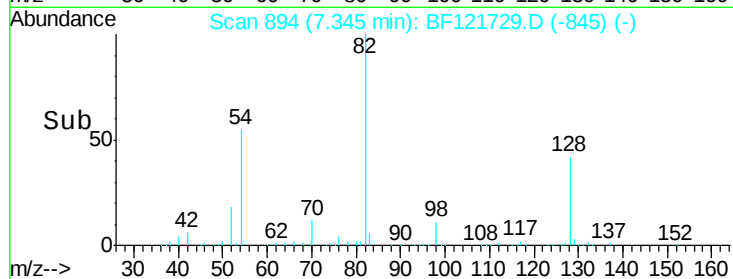
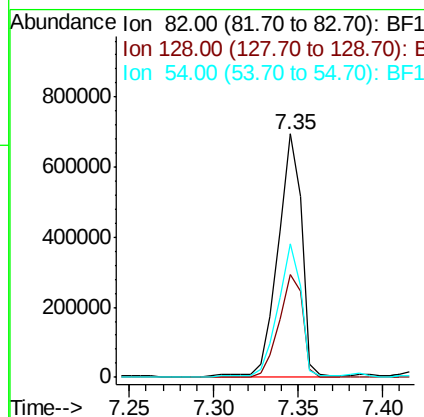
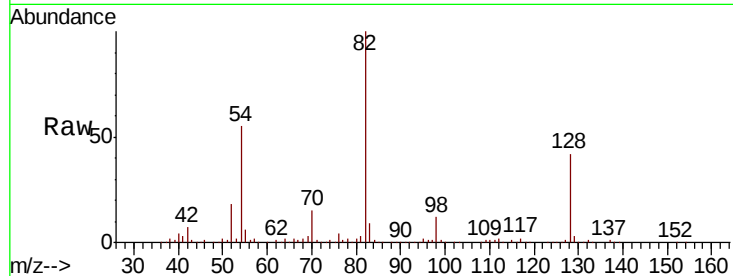
#23
Nitrobenzene-d5
Concen: 78.326 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF121729.D
Acq: 29 Sep 2020 14:13

Instrument :
BNA_F
ClientSampled :
DUP-1

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.2	35.0	52.4
54	54.9	42.5	63.7

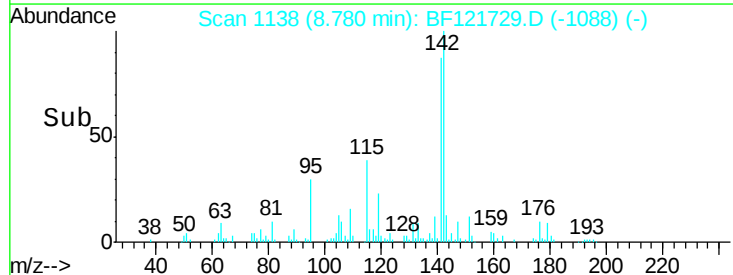
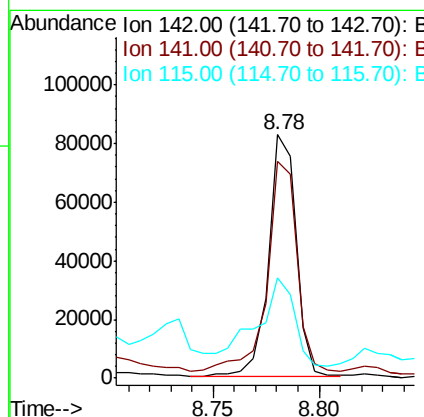
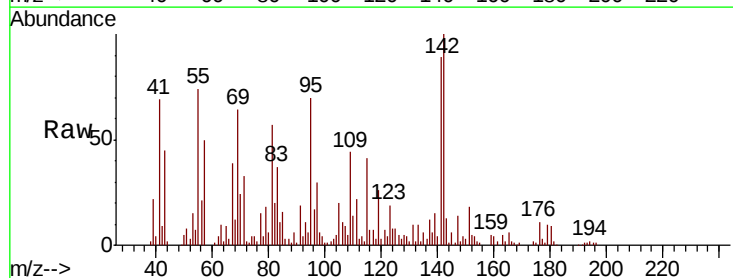
Manual Integrations
APPROVED

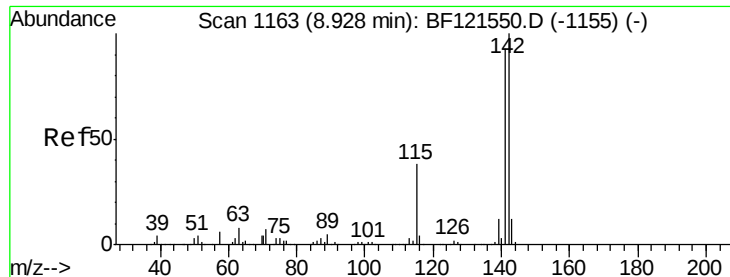
mohammad
10/1/2020 11:45:10 AM



#37
2-Methylnaphthalene
Concen: 4.734 ng
RT: 8.78 min Scan# 1138
Delta R.T. -0.01 min
Lab File: BF121729.D
Acq: 29 Sep 2020 14:13

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.2	70.1	105.1
115	41.3	28.0	42.0





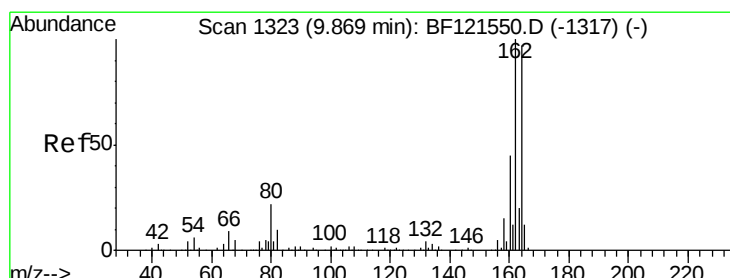
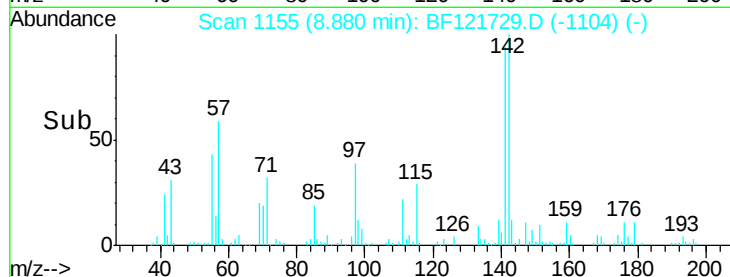
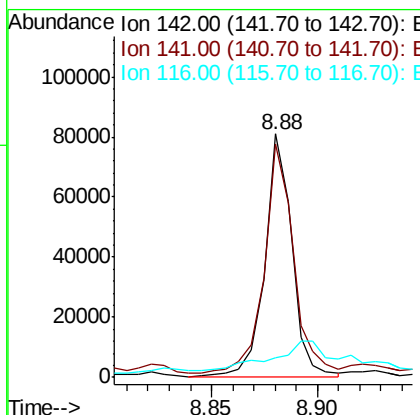
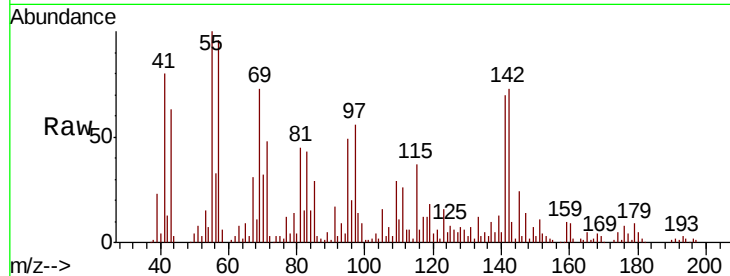
#38
1-Methylnaphthalene
Concen: 4.829 ng
RT: 8.88 min Scan# 1155
Delta R.T. 0.00 min
Lab File: BF121729.D
Acq: 29 Sep 2020 14:13

Instrument :
BNA_F
ClientSampled :
DUP-1

Tot Ion	Ratio	Lower	Upper
142	100		
141	95.7	73.2	109.8
116	8.0	3.2	4.8#

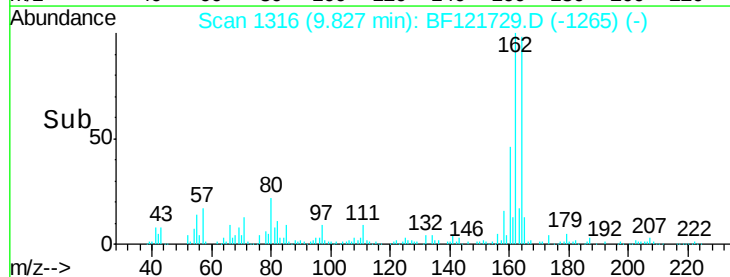
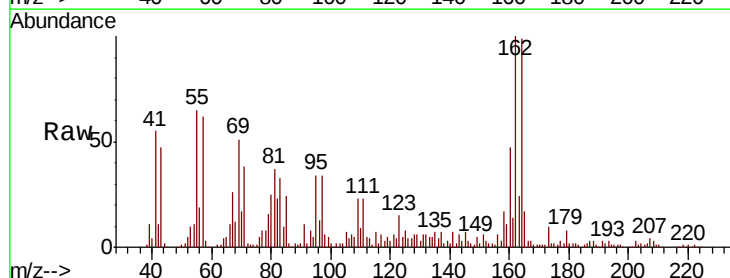
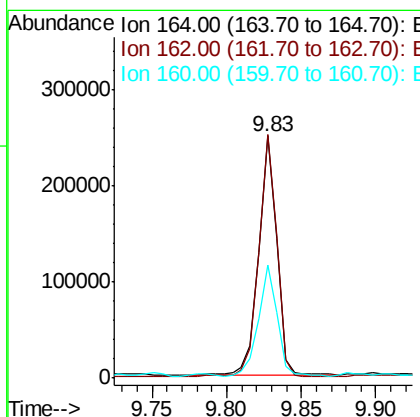
Manual Integrations
APPROVED

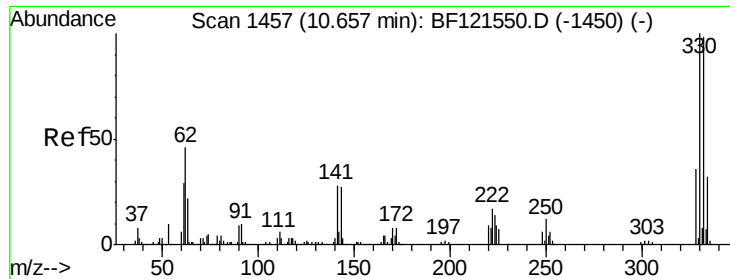
mohammad
10/1/2020 11:45:10 AM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. 0.00 min
Lab File: BF121729.D
Acq: 29 Sep 2020 14:13

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.7	80.6	121.0
160	47.0	36.9	55.3





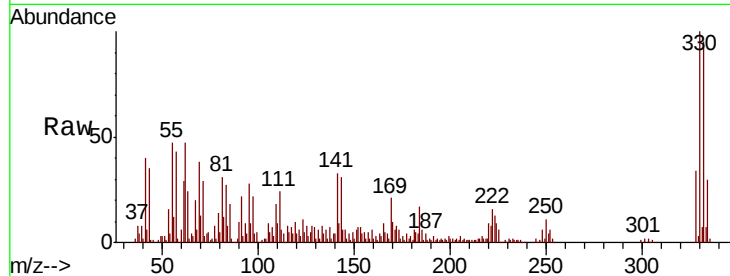
#42
 2,4,6-Tribromophenol
 Concen: 73.170 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. 0.00 min
 Lab File: BF121729.D
 Acq: 29 Sep 2020 14:13

Instrument :
 BNA_F
 ClientSampled :
 DUP-1

Tot Ion	Ratio	Resp	Lower	Upper
330	100	191450		
332	96.7	77.6	116.4	
141	27.0	22.9	34.3	

Manual Integrations
 APPROVED

mohammad
 10/1/2020 11:45:10 AM

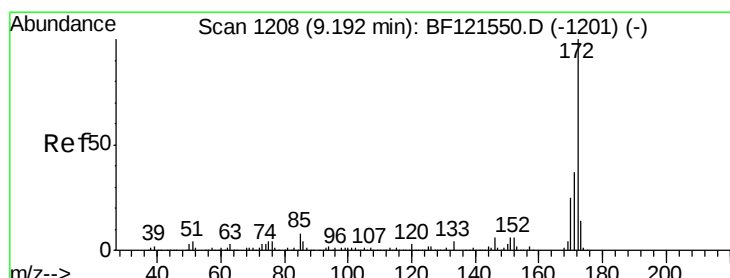
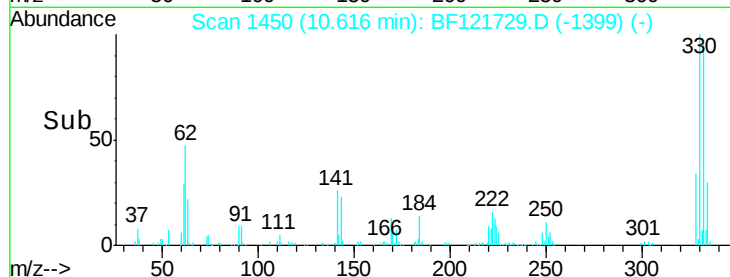
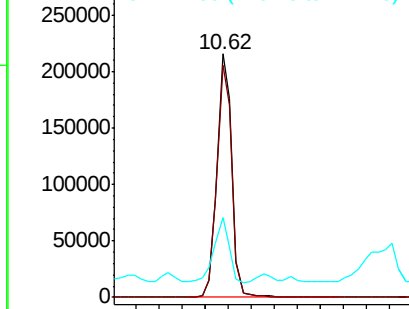


Abundance

Ion 329.80 (329.50 to 330.50): E

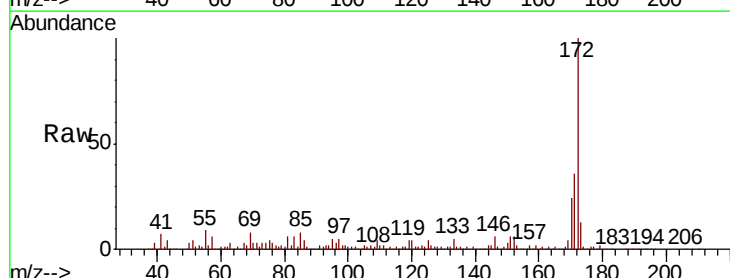
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 71.728 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: BF121729.D
 Acq: 29 Sep 2020 14:13

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	997037		
171	35.8	29.2	43.8	
170	23.8	19.7	29.5	

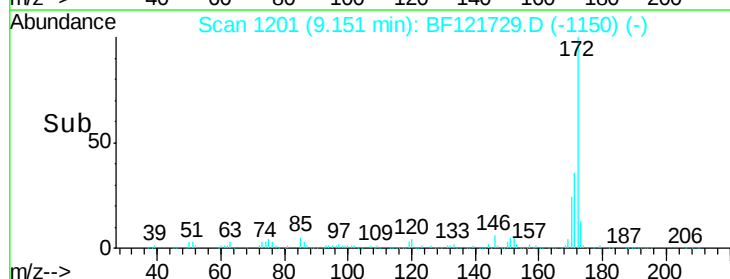
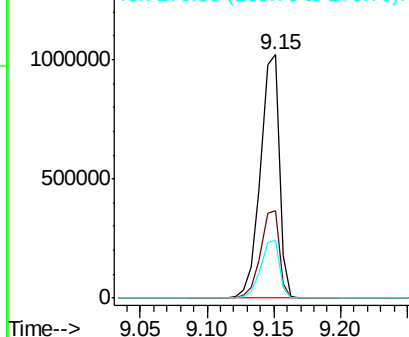


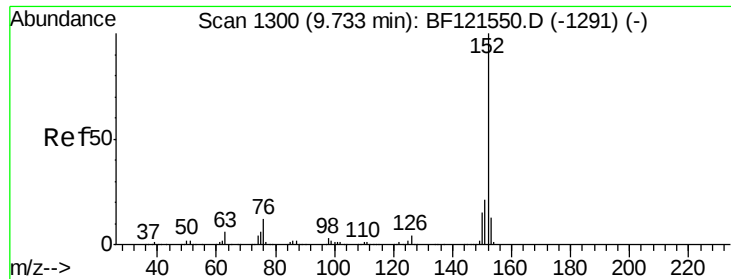
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Acenaphthylene

Concen: 2.025 ng

RT: 9.69 min Scan# 1292

Delta R.T. 0.00 min

Lab File: BF121729.D

Acq: 29 Sep 2020 14:13

Instrument :

BNA_F

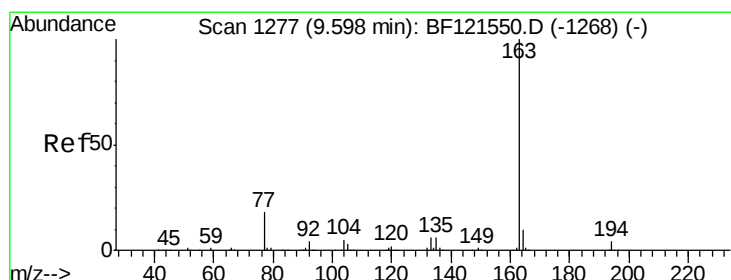
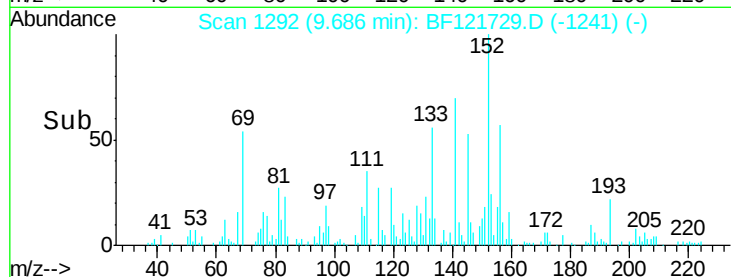
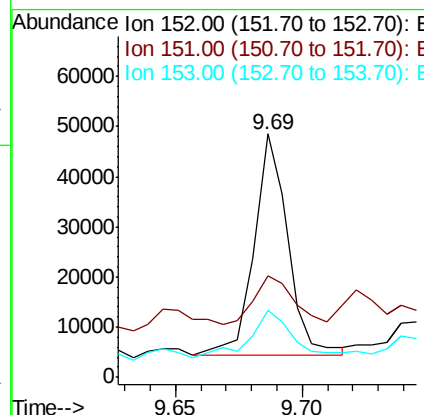
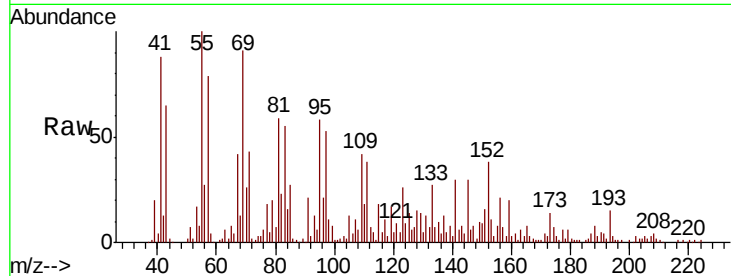
ClientSampleId :

DUP-1

Tot Ion:	152	Resp:	41326
Ion Ratio	Lower	Upper	
152	100		
151	41.5	16.4	24.6#
153	27.7	10.9	16.3#

Manual Integrations
APPROVED

mohammad
10/1/2020 11:45:10 AM



#50

Dimethylphthalate

Concen: 5.952 ng

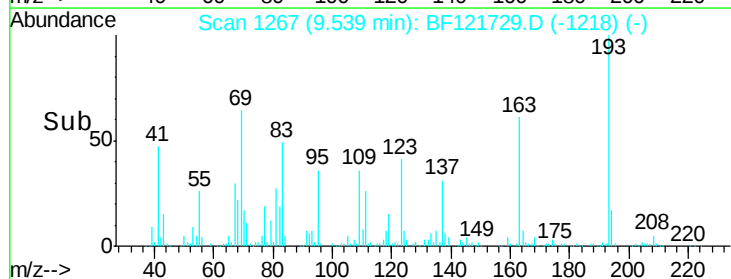
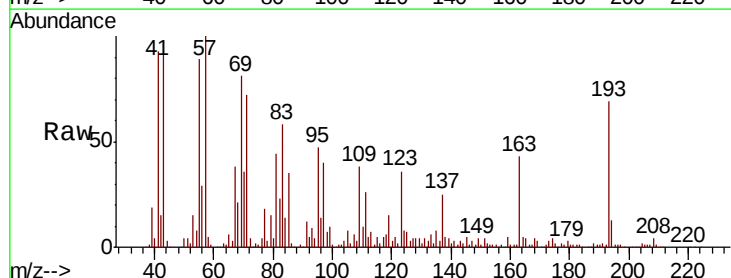
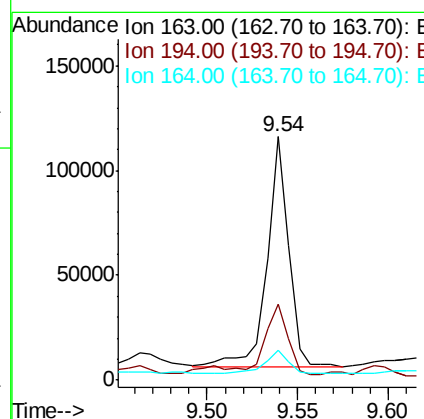
RT: 9.54 min Scan# 1267

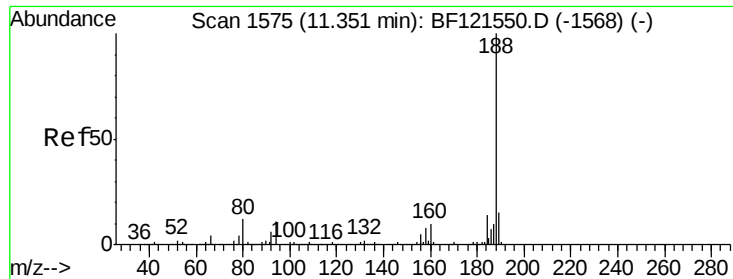
Delta R.T. -0.01 min

Lab File: BF121729.D

Acq: 29 Sep 2020 14:13

Tgt Ion:	163	Resp:	90813
Ion Ratio	Lower	Upper	
163	100		
194	31.1	3.1	4.7#
164	12.1	8.5	12.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1569

Delta R.T. 0.01 min

Lab File: BF121729.D

Acq: 29 Sep 2020 14:13

Instrument :

BNA_F

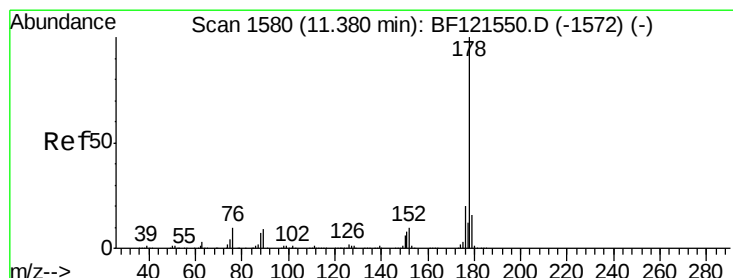
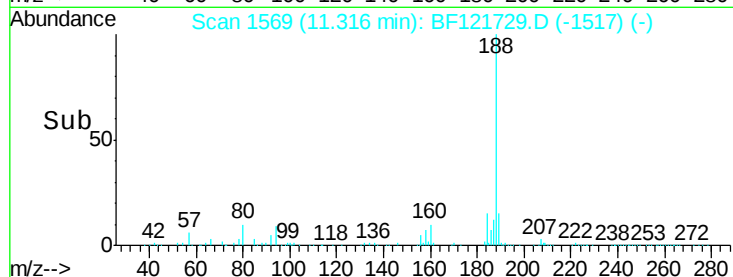
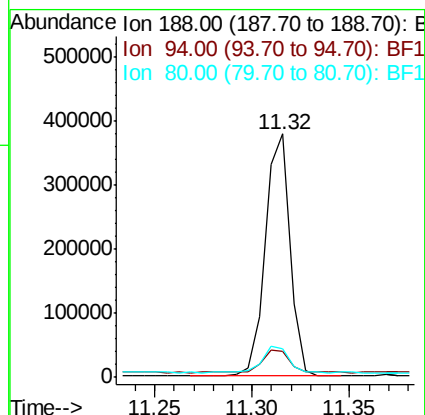
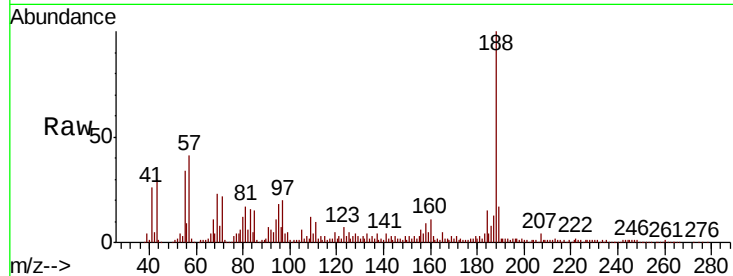
ClientSampled :

DUP-1

Tot Ion:	188	Resp:	332331
Ion Ratio	Lower	Upper	
188	100		
94	10.9	8.2	12.2
80	12.0	8.9	13.3

Manual Integrations
APPROVED

mohammad
10/1/2020 11:45:10 AM



#71

Phenanthrene

Concen: 8.089 ng

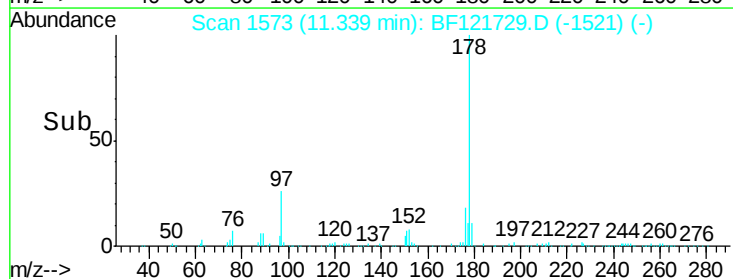
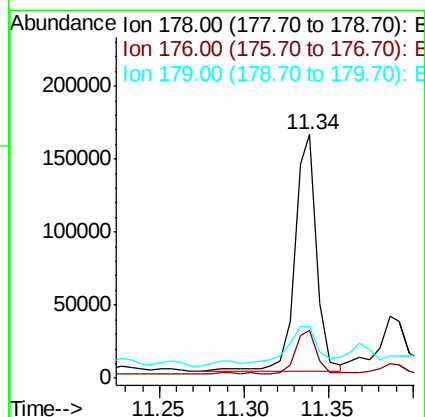
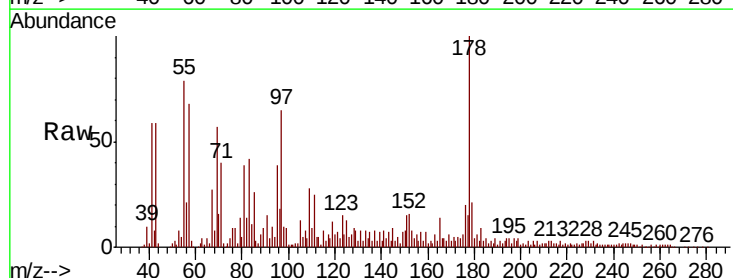
RT: 11.34 min Scan# 1573

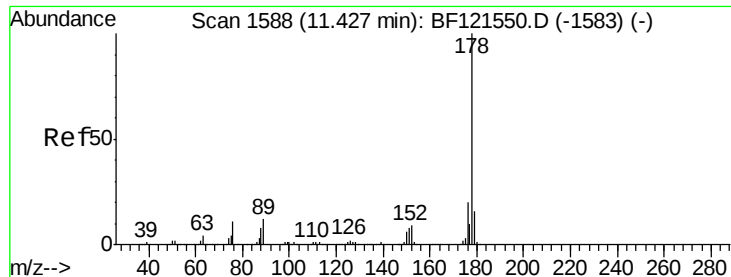
Delta R.T. 0.01 min

Lab File: BF121729.D

Acq: 29 Sep 2020 14:13

Tgt Ion:	178	Resp:	146472
Ion Ratio	Lower	Upper	
178	100		
176	19.6	16.0	24.0
179	21.4	12.6	19.0#





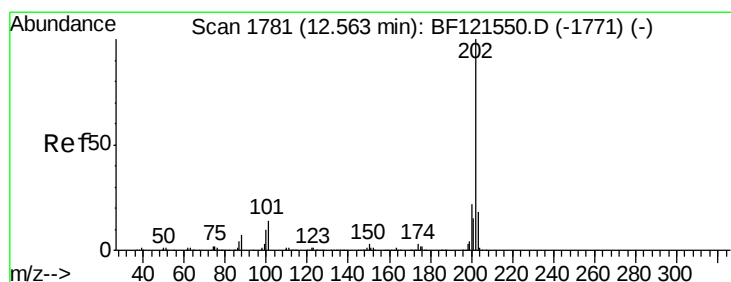
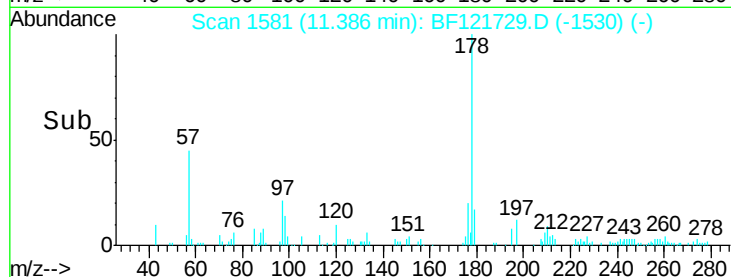
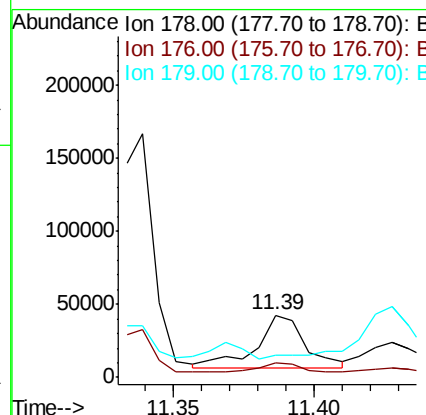
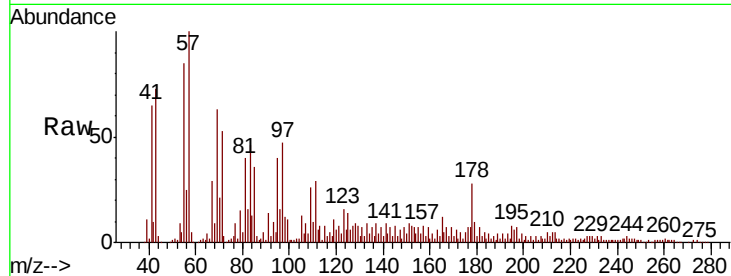
#72
 Anthracene
 Concen: 2.328 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: BF121729.D
 Acq: 29 Sep 2020 14:13

Instrument :
 BNA_F
 ClientSampled :
 DUP-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	24.4	15.8	23.6#
179	35.9	12.6	19.0#

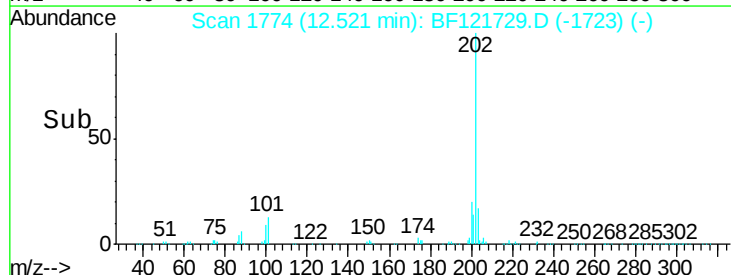
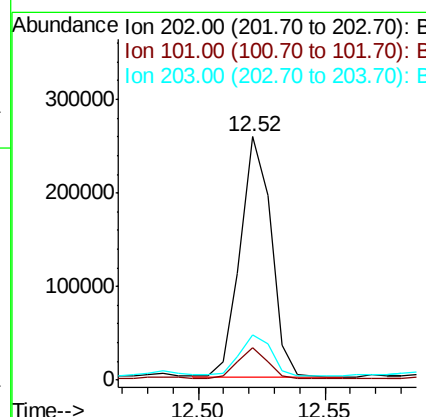
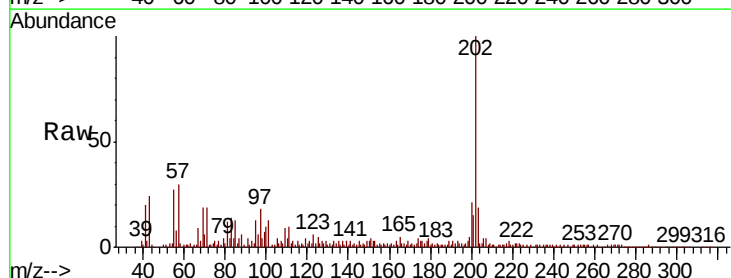
Manual Integrations
 APPROVED

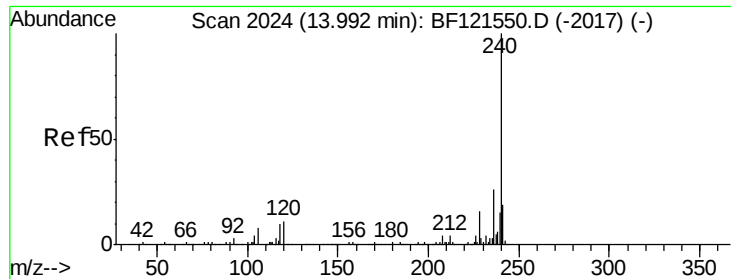
mohammad
 10/1/2020 11:45:10 AM



#75
 Fluoranthene
 Concen: 11.291 ng
 RT: 12.52 min Scan# 1774
 Delta R.T. 0.00 min
 Lab File: BF121729.D
 Acq: 29 Sep 2020 14:13

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	32.0
203	18.6	0.0	38.0





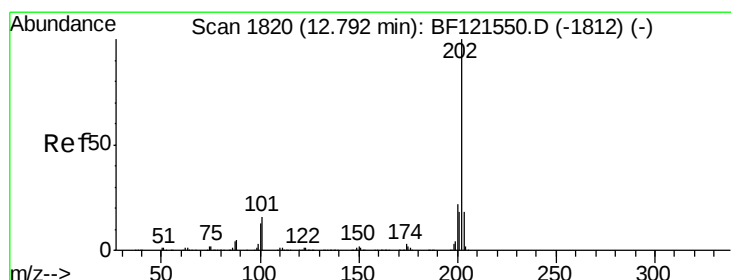
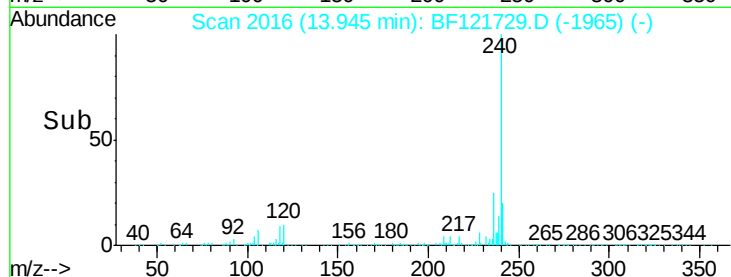
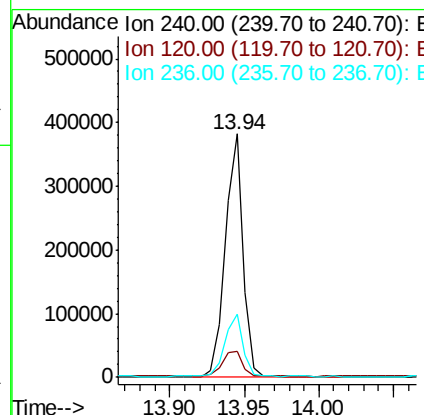
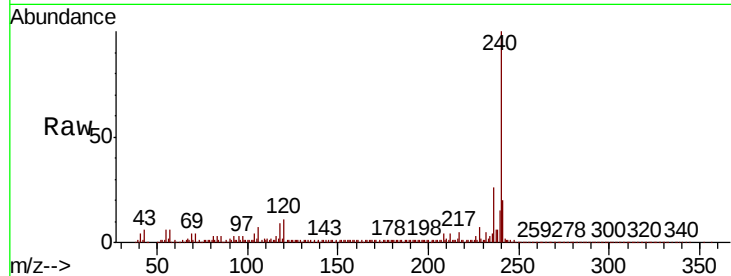
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.94 min Scan# 2016
Delta R.T. 0.00 min
Lab File: BF121729.D
Acq: 29 Sep 2020 14:13

Instrument :
BNA_F
ClientSampled :
DUP-1

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.6	10.2	15.4
236	25.8	20.4	30.6

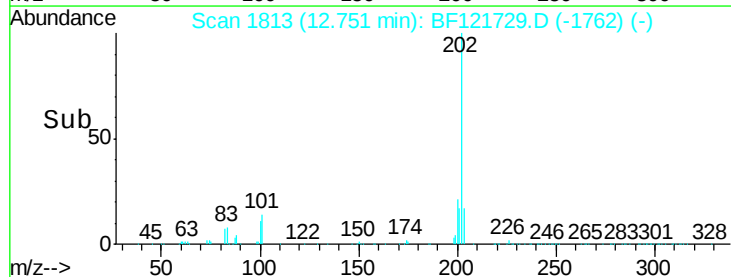
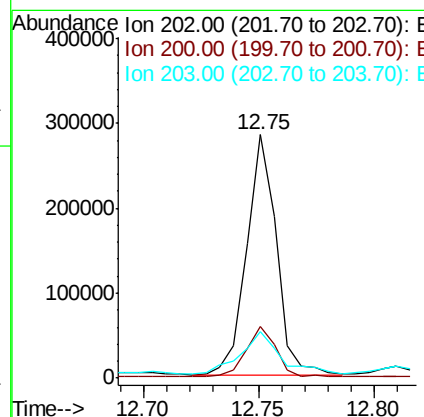
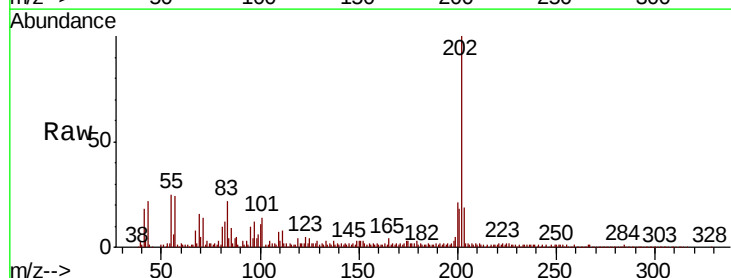
Manual Integrations
APPROVED

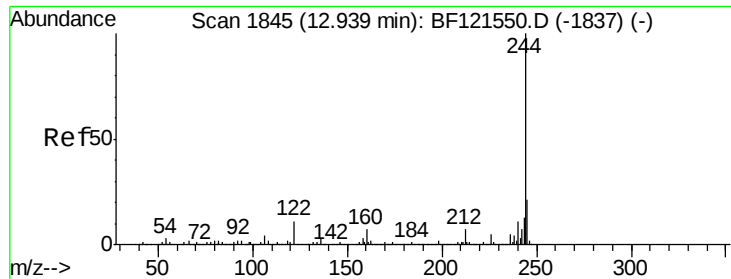
mohammad
10/1/2020 11:45:10 AM



#78
Pyrene
Concen: 11.020 ng
RT: 12.75 min Scan# 1813
Delta R.T. 0.00 min
Lab File: BF121729.D
Acq: 29 Sep 2020 14:13

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.4	26.2
203	18.9	14.5	21.7





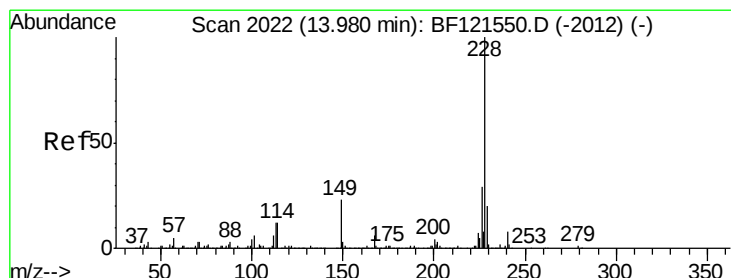
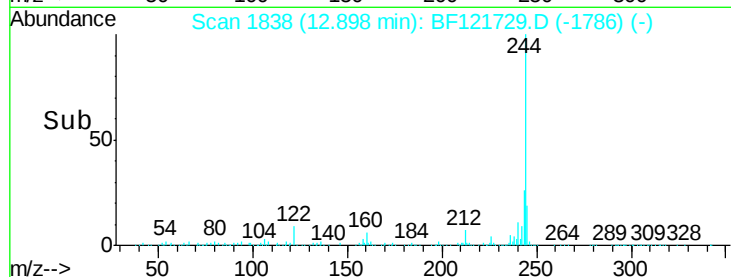
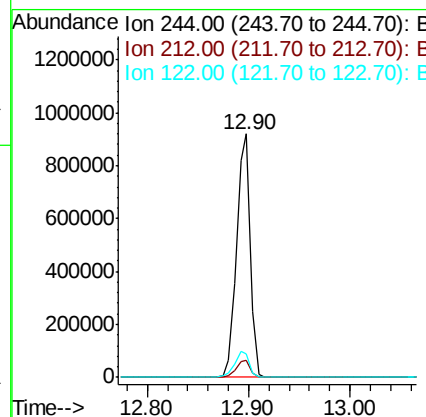
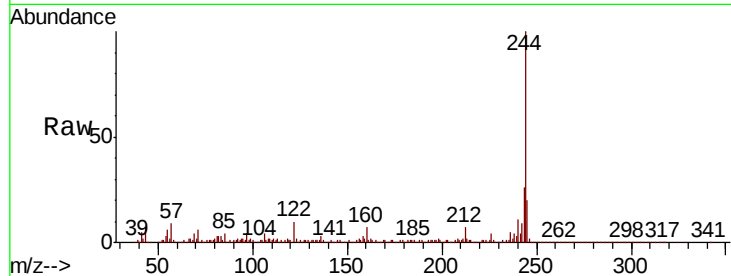
#79
 Terphenyl-d14
 Concen: 54.503 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. 0.01 min
 Lab File: BF121729.D
 Acq: 29 Sep 2020 14:13

Instrument :
 BNA_F
 ClientSampleId :
 DUP-1

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.7	8.5
122	9.7	9.0	13.4

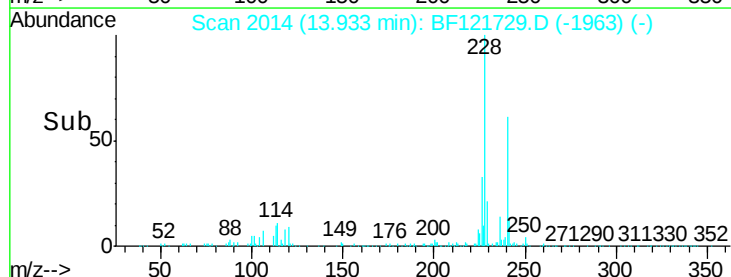
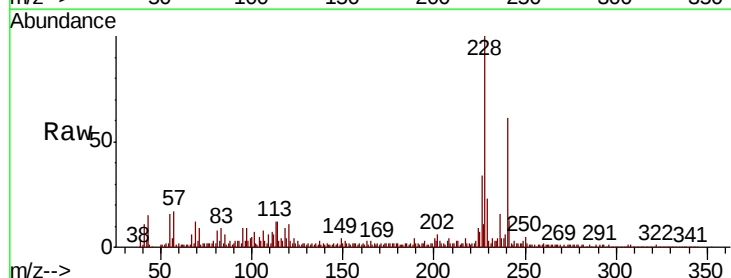
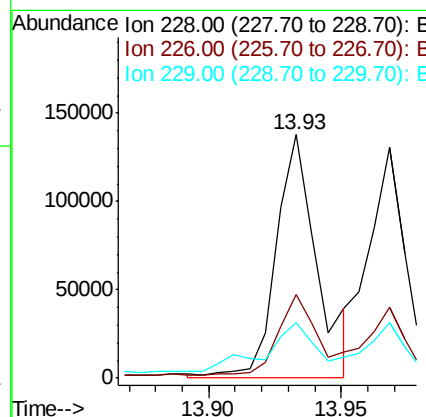
Manual Integrations
 APPROVED

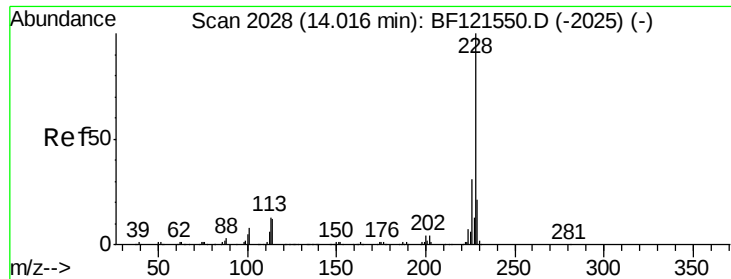
mohammad
 10/1/2020 11:45:10 AM



#81
 Benzo(a)anthracene
 Concen: 7.367 ng m
 RT: 13.93 min Scan# 2014
 Delta R.T. 0.00 min
 Lab File: BF121729.D
 Acq: 29 Sep 2020 14:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.3	22.2	33.2#
229	22.7	16.2	24.4





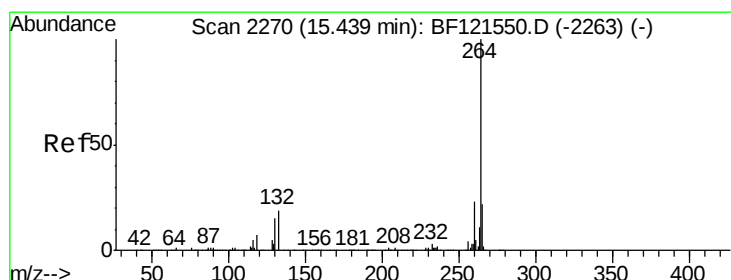
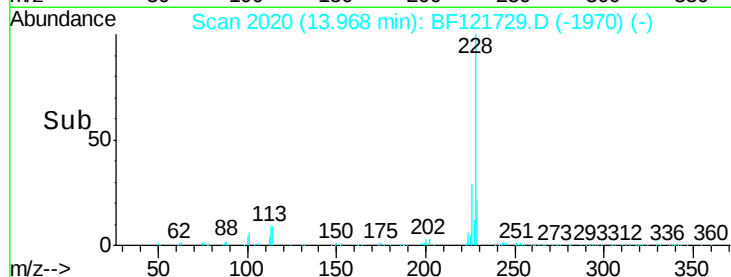
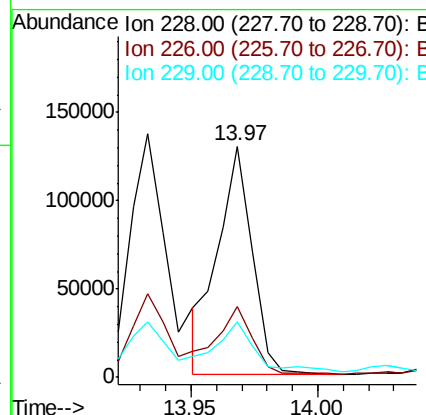
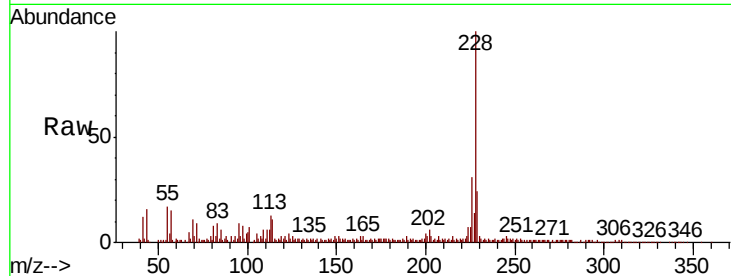
#83
Chrysene
Concen: 5.996 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF121729.D
Acq: 29 Sep 2020 14:13

Instrument :
BNA_F
ClientSampleId :
DUP-1

Tot Ion:	228	Resp:	122412
Ion Ratio	Lower	Upper	
228	100		
226	30.7	25.4	38.0
229	24.1	16.4	24.6

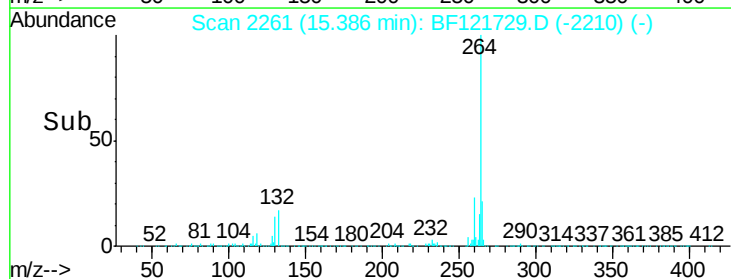
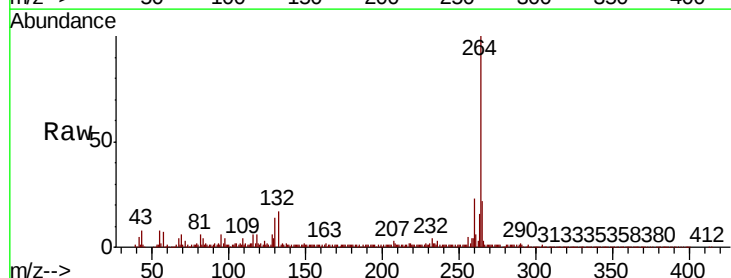
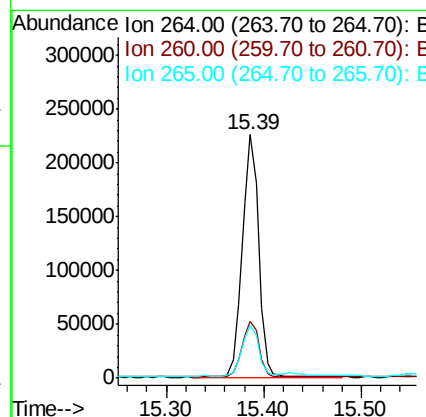
Manual Integrations
APPROVED

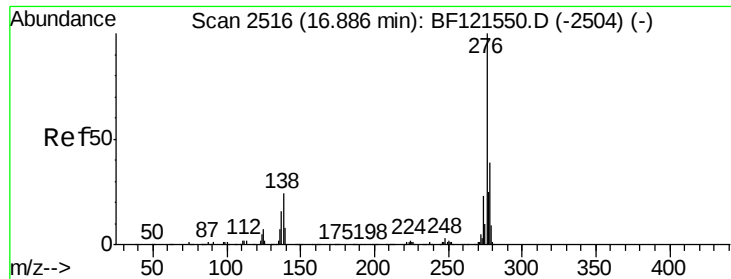
mohammad
10/1/2020 11:45:10 AM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2261
Delta R.T. 0.00 min
Lab File: BF121729.D
Acq: 29 Sep 2020 14:13

Tgt Ion:	264	Resp:	262187
Ion Ratio	Lower	Upper	
264	100		
260	23.5	19.0	28.6
265	21.7	17.3	25.9





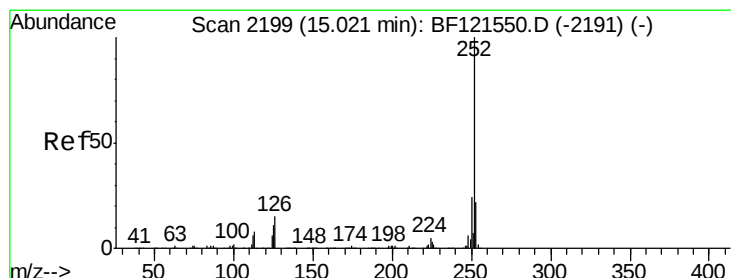
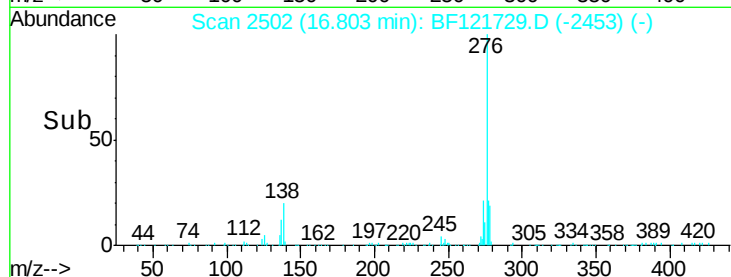
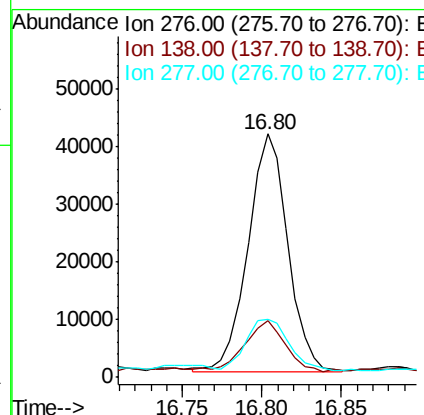
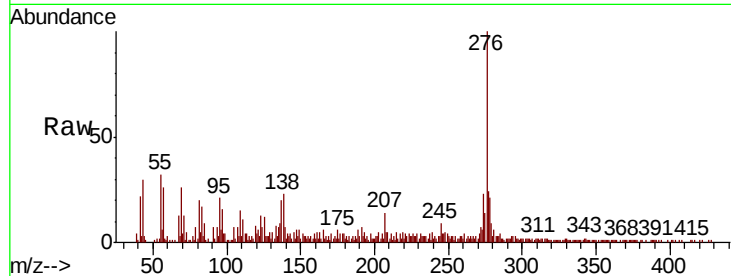
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.232 ng
 RT: 16.80 min Scan# 2502
 Delta R.T. -0.01 min
 Lab File: BF121729.D
 Acq: 29 Sep 2020 14:13

Instrument :
 BNA_F
 ClientSampled :
 DUP-1

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.8	19.4	29.0
277	23.6	20.4	30.6

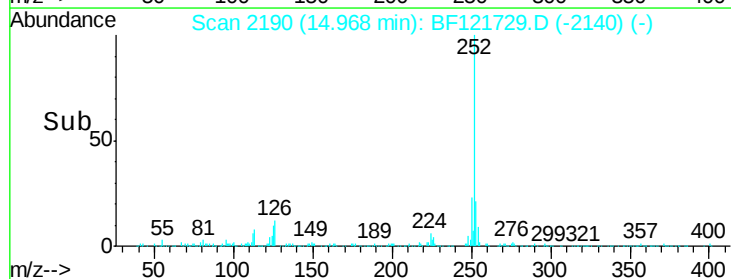
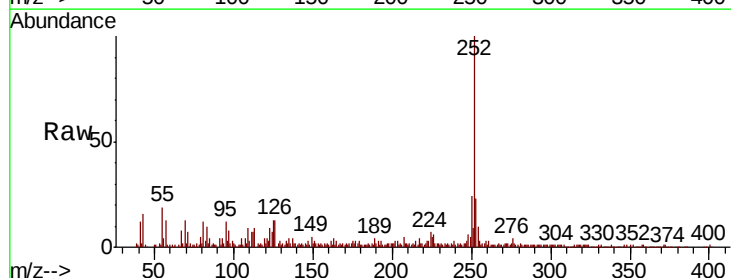
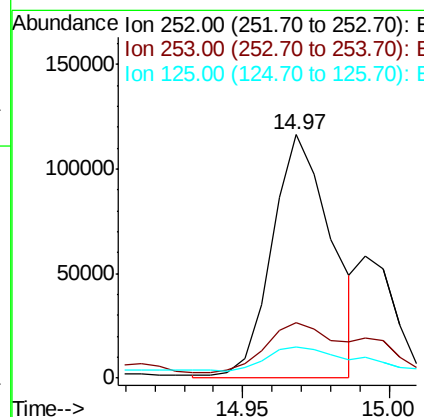
Manual Integrations
 APPROVED

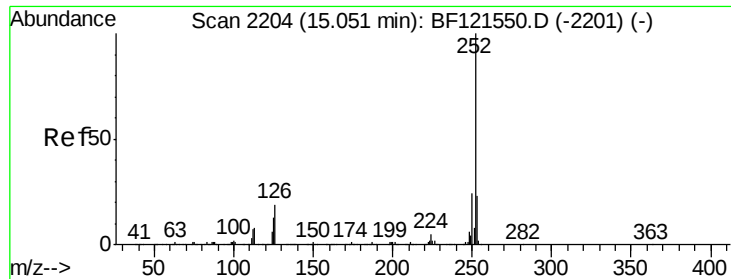
mohammad
 10/1/2020 11:45:10 AM



#88
 Benzo(b)fluoranthene
 Concen: 9.364 ng m
 RT: 14.97 min Scan# 2190
 Delta R.T. -0.01 min
 Lab File: BF121729.D
 Acq: 29 Sep 2020 14:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.2
125	13.0	8.0	12.0





#89

Benzo(k)fluoranthene

Concen: 3.368 ng/mL

RT: 14.99 min Scan# 2194

Delta R.T. -0.01 min

Lab File: BF121729.D

Acq: 29 Sep 2020 14:13

Instrument :

BNA_F

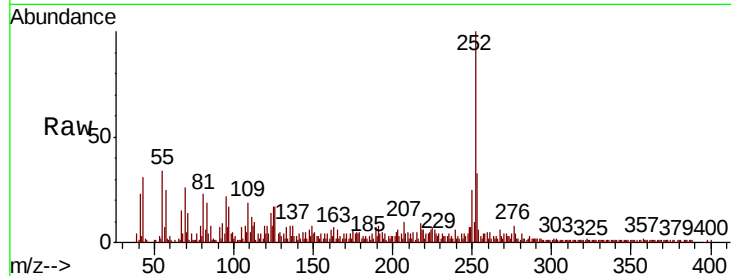
ClientSampled :

DUP-1

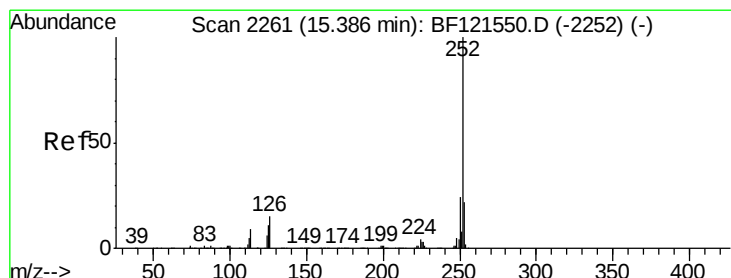
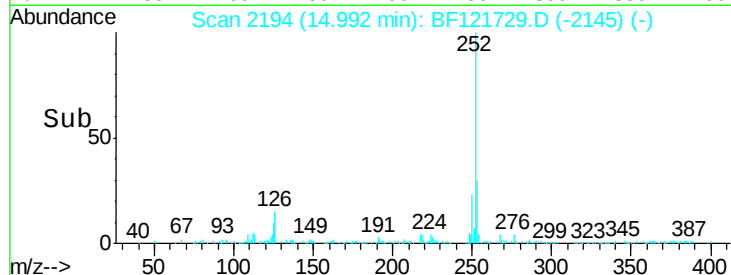
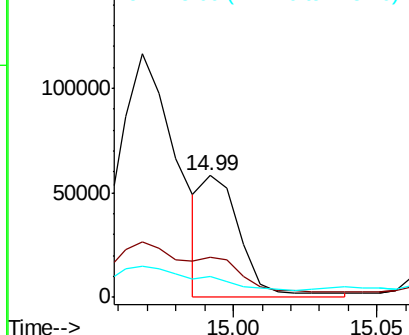
Tot Ion:	252	Resp:	54053
Ion Ratio	Lower	Upper	
252	100		
253	33.3	18.1	27.1#
125	16.7	7.8	11.6#

Manual Integrations
APPROVED

mohammad
10/1/2020 11:45:10 AM



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 7.151 ng/mL

RT: 15.32 min Scan# 2250

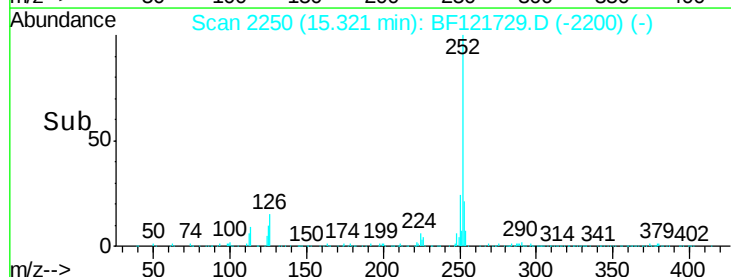
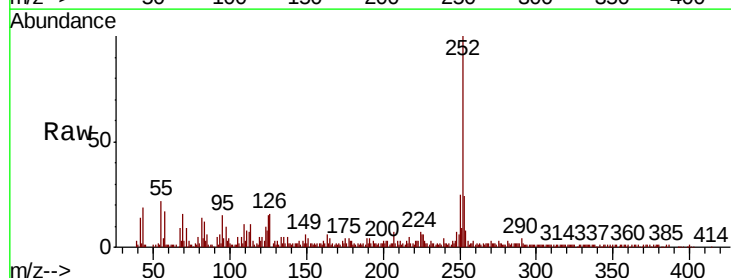
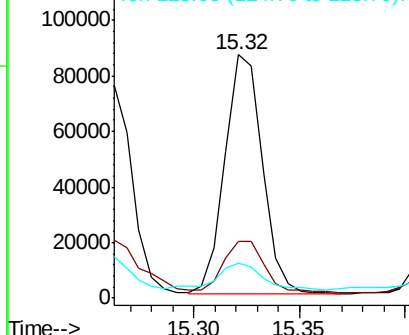
Delta R.T. -0.01 min

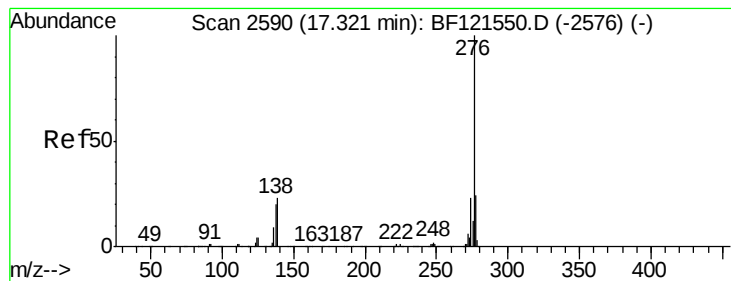
Lab File: BF121729.D

Acq: 29 Sep 2020 14:13

Tgt Ion:	252	Resp:	106542
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.3	25.9
125	14.6	9.2	13.8#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#92

Benzo(a,h,i)perylene

Concen: 5.417 ng

RT: 17.23 min Scan# 2575

Delta R.T. -0.01 min

Lab File: BF121729.D

Acq: 29 Sep 2020 14:13

Instrument :

BNA_F

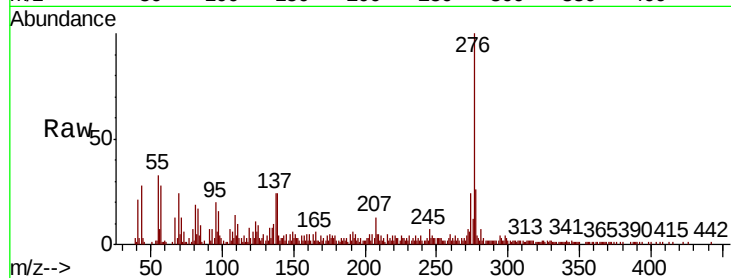
ClientSampleId :

DUP-1

Tot Ion:	276	Resp:	75683
Ion Ratio	Lower	Upper	
276	100		
277	26.0	19.2	28.8
138	23.6	16.7	25.1

Manual Integrations
APPROVED

mohammad
10/1/2020 11:45:10 AM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

