

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
 Data File : BF115807.D
 Acq On : 27 Jul 2019 00:31
 Operator : HP/JU
 Sample : K3620-11 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-072519-A

Manual Integrations
 APPROVED

mohammad
 7/29/2019 5:29:11 PM

Quant Time: Jul 27 03:20:15 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 25 13:16:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	152149	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	585317	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	295473	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	472612	20.00	ng	0.00
76) Chrysene-d12	14.03	240	371375	20.00	ng	0.00
87) Perylene-d12	15.50	264	438520	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	413159	44.42	ng	0.00
7) Phenol-d6	6.50	99	546600	46.31	ng	0.00
23) Nitrobenzene-d5	7.43	82	334026	33.18	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	95775	27.77	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	644892	38.20	ng	-0.01
79) Terphenyl-d14	12.97	244	580899	28.86	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	9.62	163	129179	5.811	ng	100
71) Phenanthrene	11.41	178	145105	5.990	ng	99
75) Fluoranthene	12.60	202	259387	10.132	ng	98
78) Pyrene	12.83	202	280552	8.917	ng	97
81) Benzo(a)anthracene	14.02	228	132348	5.409	ng	95
83) Chrysene	14.05	228	124627	5.074	ng	98
86) Indeno(1,2,3-cd)pyrene	16.97	276	53994	2.588	ng	96
88) Benzo(b)fluoranthene	15.07	252	137723m	4.877	ng	
90) Benzo(a)pyrene	15.43	252	108924	4.488	ng	97
92) Benzo(g,h,i)perylene	17.42	276	53161	2.502	ng	97

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

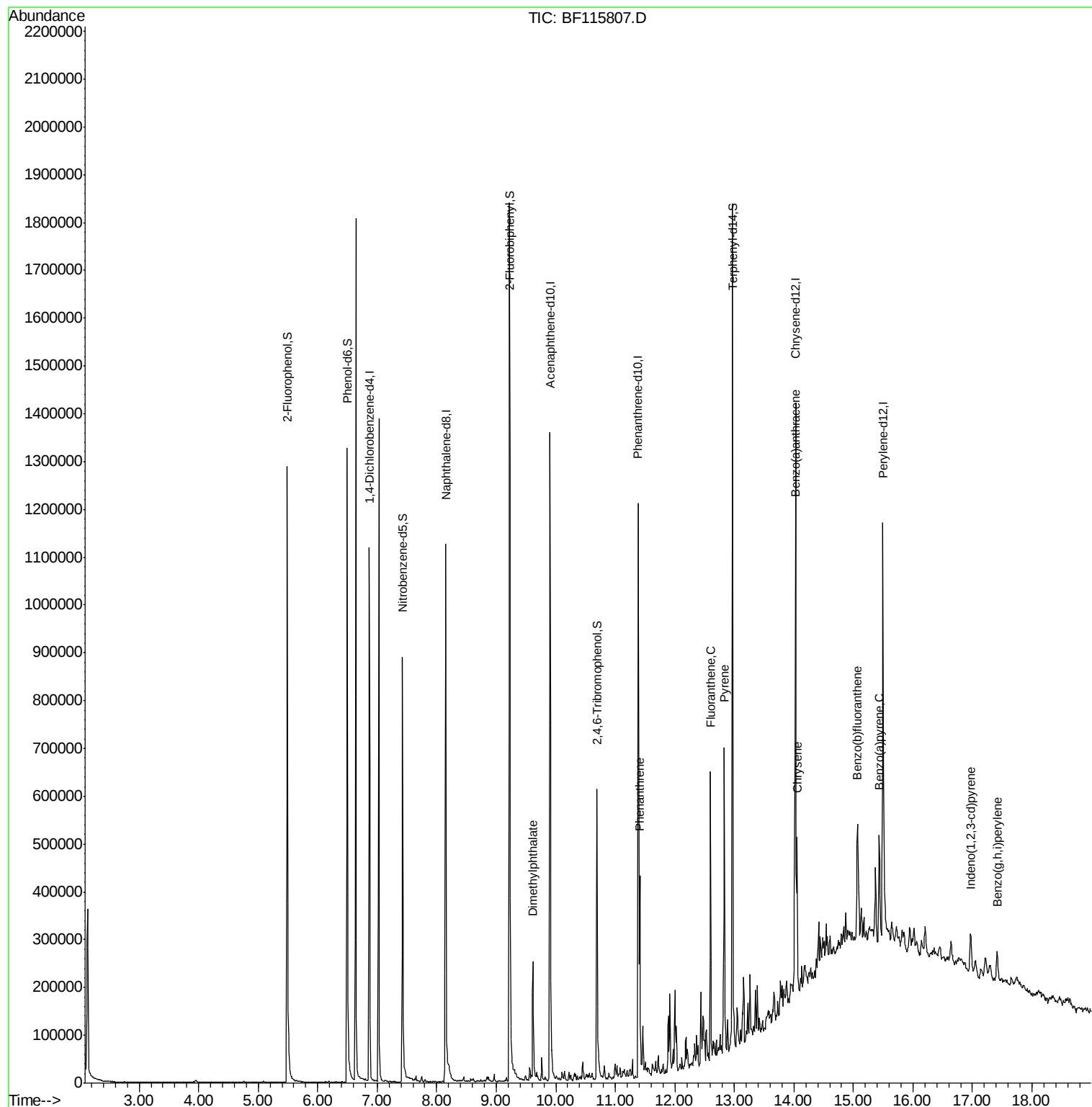
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
Data File : BF115807.D
Acq On : 27 Jul 2019 00:31
Operator : HP/JU
Sample : K3620-11 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

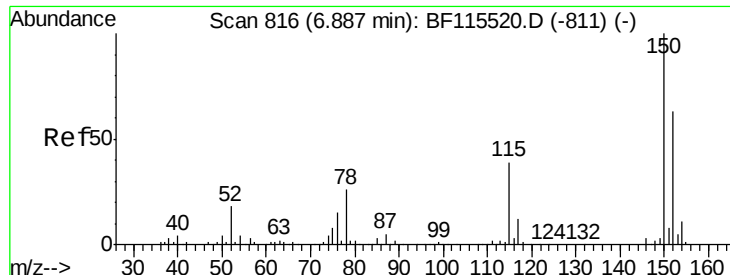
Instrument :
BNA_F
ClientSampleId :
CL-02-072519-A

Manual Integrations
APPROVED

mohammad
7/29/2019 5:29:11 PM

Quant Time: Jul 27 03:20:15 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 25 13:16:07 2019
Response via : Initial Calibration





#1

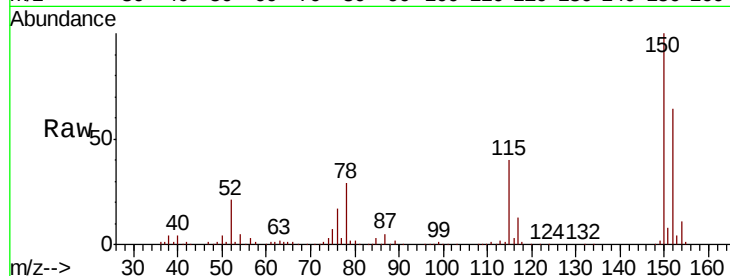
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.01 min
Lab File: BF115807.D
Acq: 27 Jul 2019 00:31

Instrument :
BNA_F
ClientSampleId :
CL-02-072519-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	126.6	189.8
115	62.6	47.8	71.6

Manual Integrations
APPROVED

mohammad
7/29/2019 5:29:11 PM

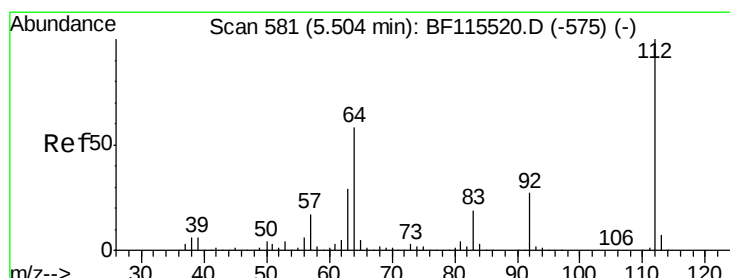
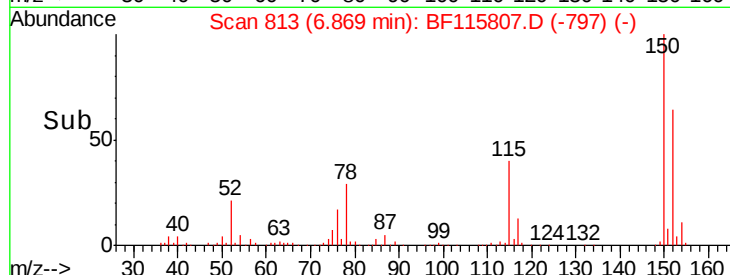
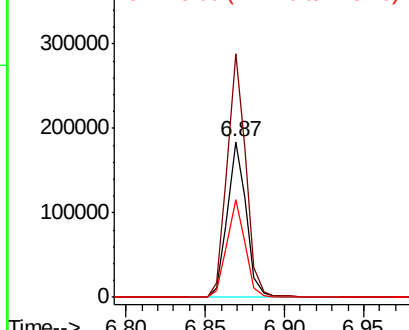


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

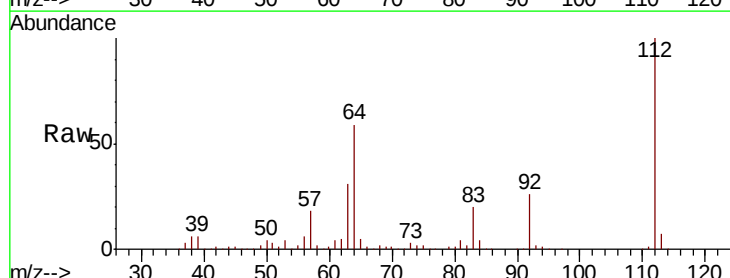
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 44.418 ng
RT: 5.49 min Scan# 578
Delta R.T. -0.01 min
Lab File: BF115807.D
Acq: 27 Jul 2019 00:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.8	45.8	68.8
63	30.7	23.6	35.4

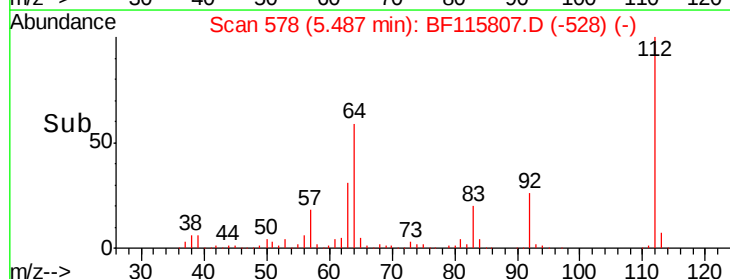
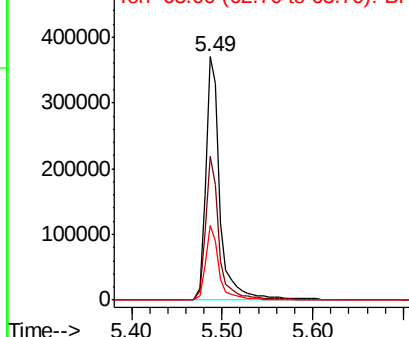


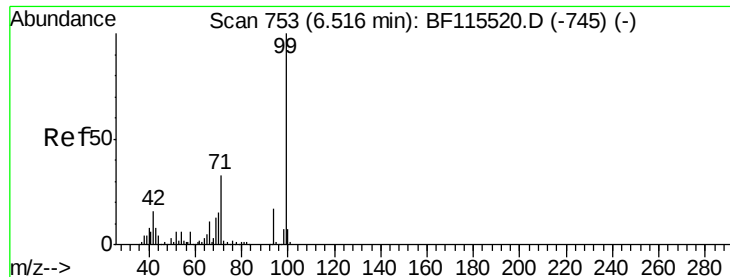
Abundance

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: 46.311 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF115807.D

Acq: 27 Jul 2019 00:31

Instrument :

BNA_F

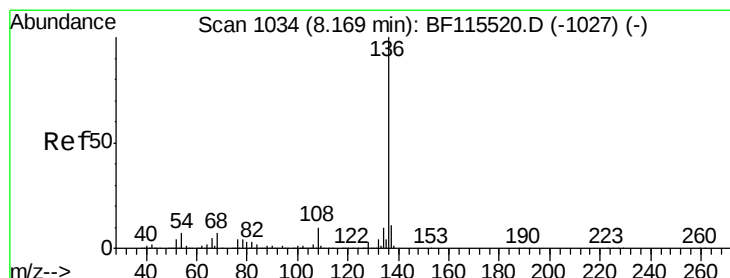
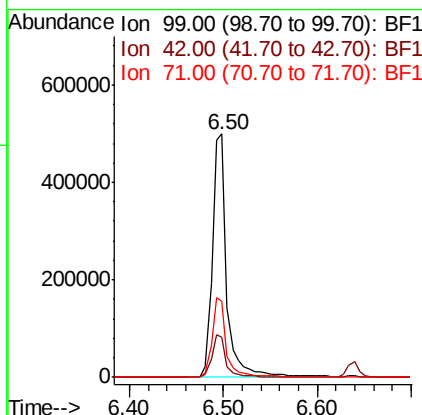
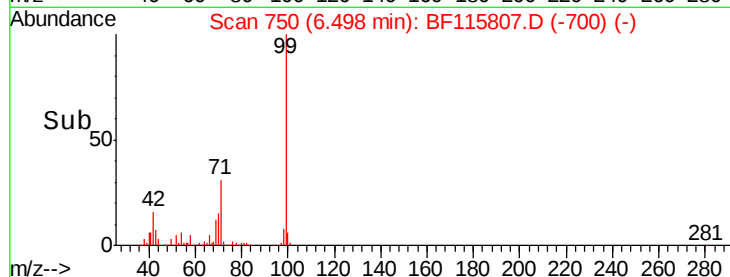
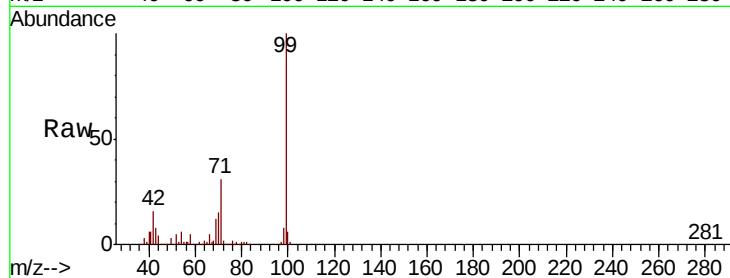
ClientSampleId :

CL-02-072519-A

Tot Ion:	99	Resp:	546600
Ion Ratio	Lower	Upper	
99	100		
42	16.3	13.4	20.2
71	31.4	26.7	40.1

Manual Integrations
APPROVED

mohammad
7/29/2019 5:29:11 PM



#21

Naphthalene-d8

Concen: 20.000 ng

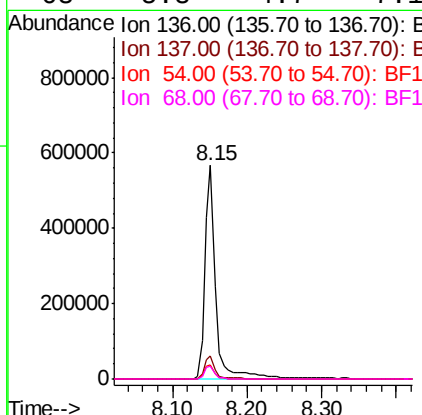
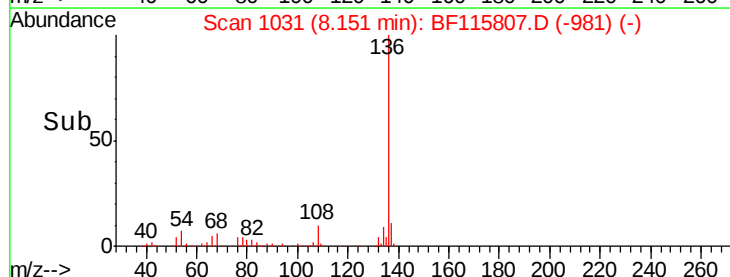
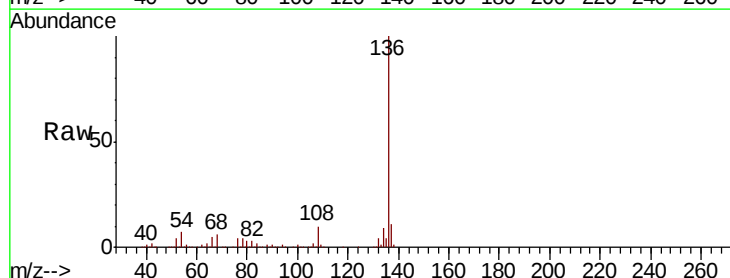
RT: 8.15 min Scan# 1031

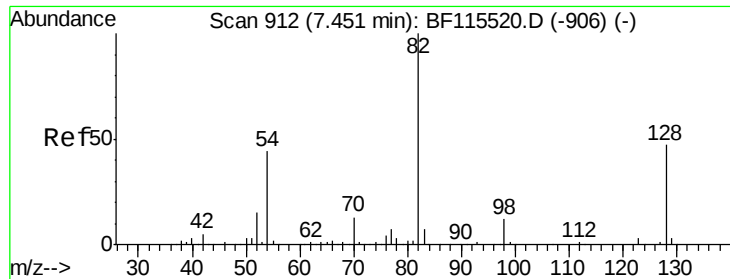
Delta R.T. -0.01 min

Lab File: BF115807.D

Acq: 27 Jul 2019 00:31

Tgt Ion:	136	Resp:	585317
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.7	13.1
54	6.8	5.0	7.6
68	5.8	4.7	7.1





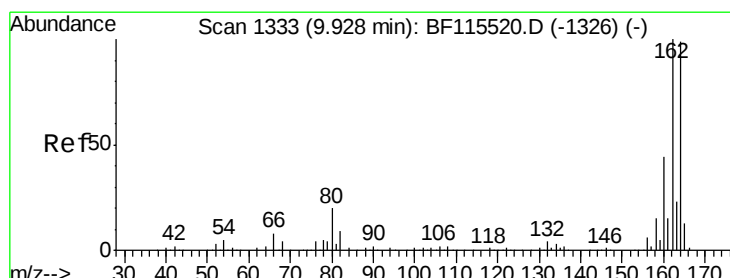
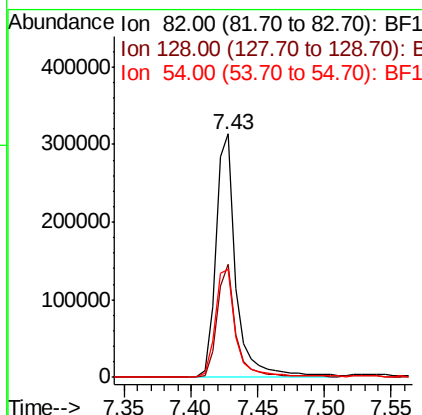
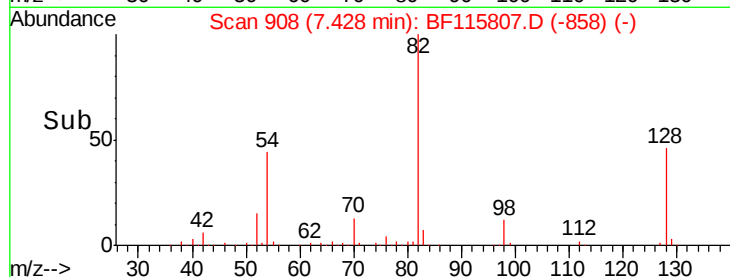
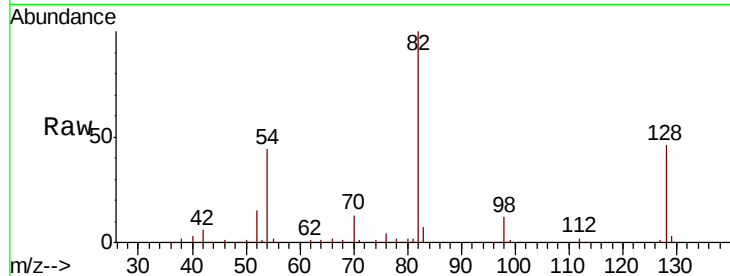
#23
Nitrobenzene-d5
Concen: 33.183 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF115807.D
Acq: 27 Jul 2019 00:31

Instrument :
BNA_F
ClientSampleId :
CL-02-072519-A

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.2	36.6	55.0
54	44.5	36.6	54.8

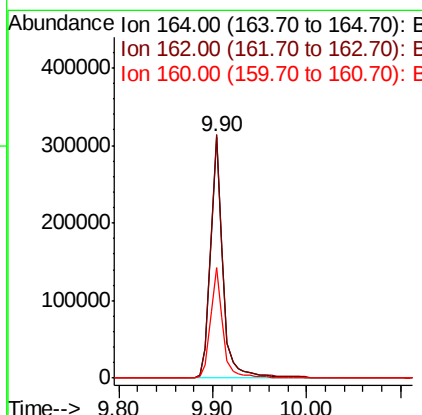
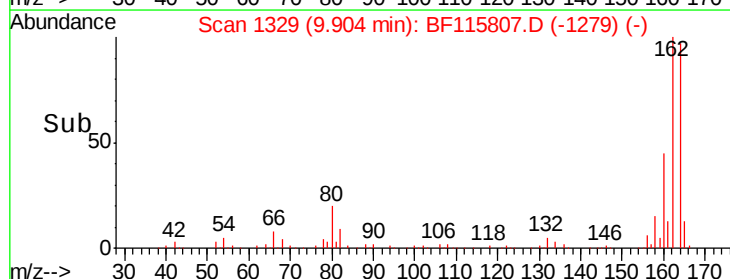
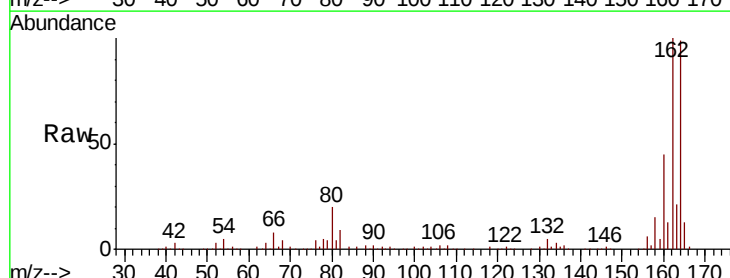
Manual Integrations
APPROVED

mohammad
7/29/2019 5:29:11 PM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.01 min
Lab File: BF115807.D
Acq: 27 Jul 2019 00:31

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.9	81.8	122.6
160	45.8	37.5	56.3





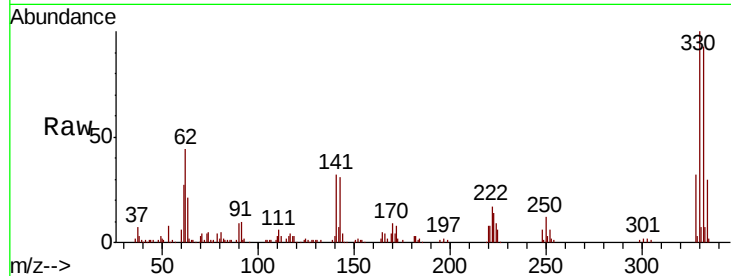
#42
 2,4,6-Tribromophenol
 Concen: 27.770 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.01 min
 Lab File: BF115807.D
 Acq: 27 Jul 2019 00:31

Instrument :
 BNA_F
 ClientSampled :
 CL-02-072519-A

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.1	114.1
141	36.0	25.9	38.9

Manual Integrations
 APPROVED

mohammad
 7/29/2019 5:29:11 PM

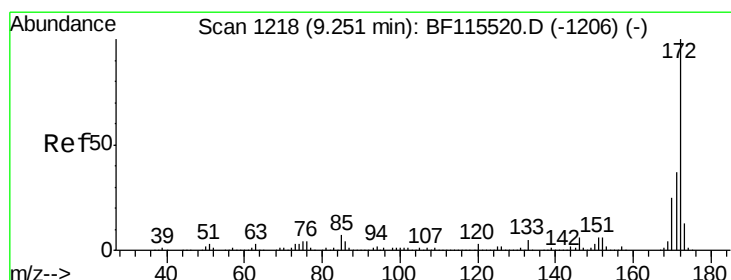
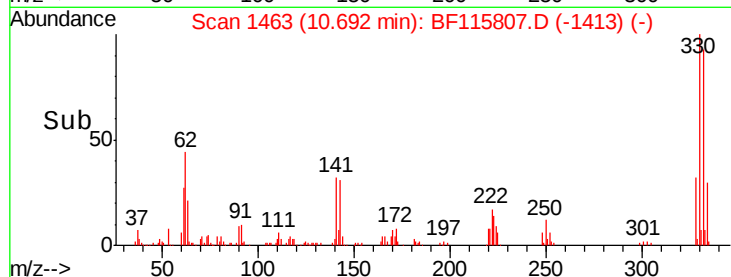
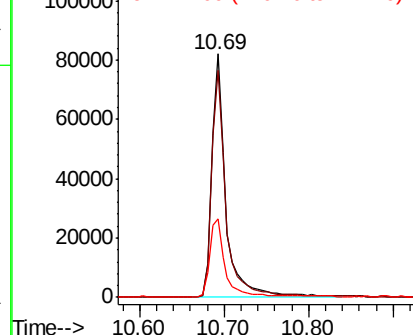


Abundance

Ion 329.80 (329.50 to 330.50): E

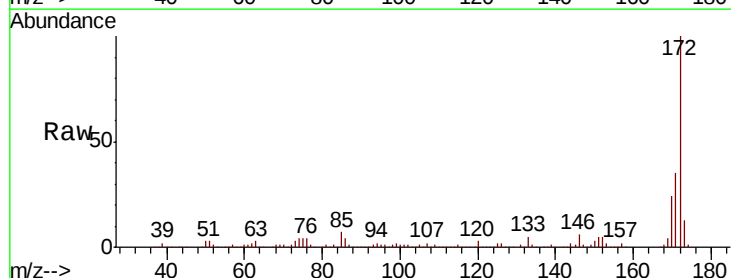
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 38.201 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.01 min
 Lab File: BF115807.D
 Acq: 27 Jul 2019 00:31

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.0	43.4
170	24.2	20.1	30.1

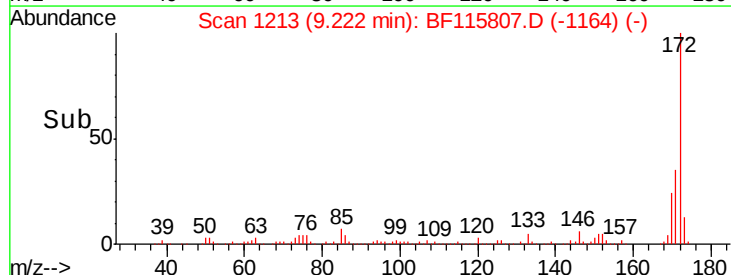
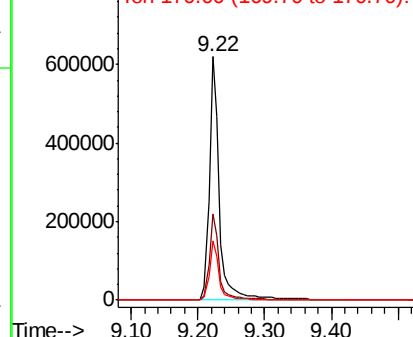


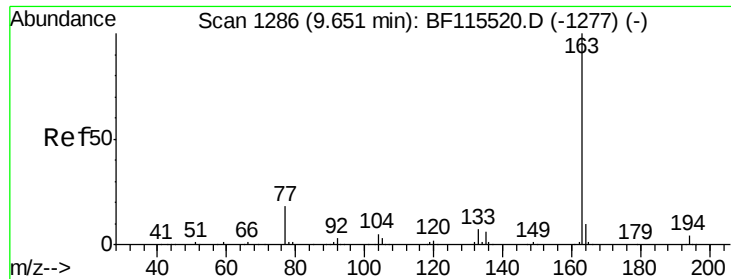
Abundance

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





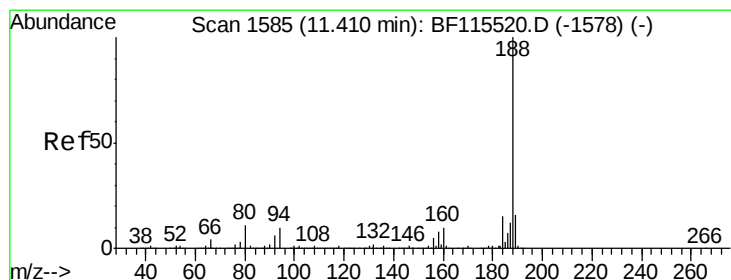
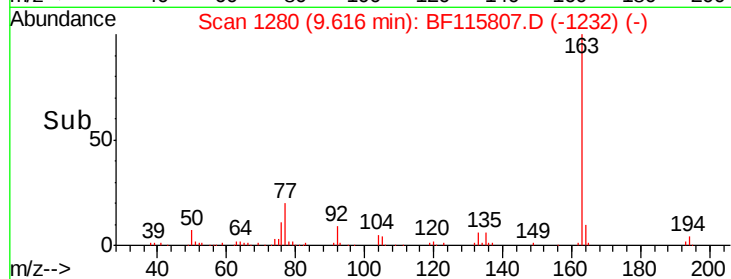
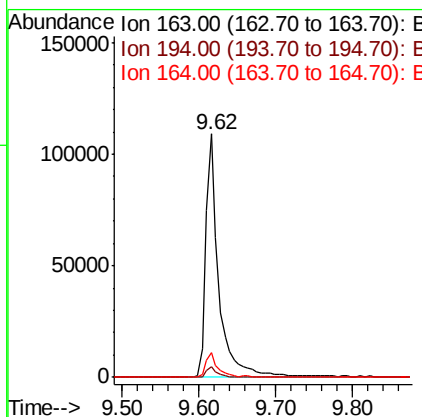
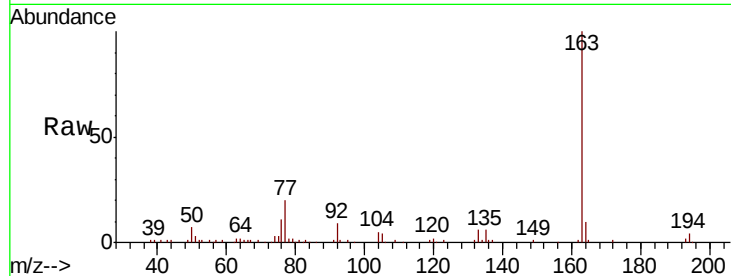
#50
Dimethylphthalate
Concen: 5.811 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.02 min
Lab File: BF115807.D
Acq: 27 Jul 2019 00:31

Instrument :
BNA_F
ClientSampleId :
CL-02-072519-A

Tot Ion	Ratio	Resp	Lower	Upper
163	100	129179		
194	4.2		3.2	4.8
164	10.4		8.3	12.5

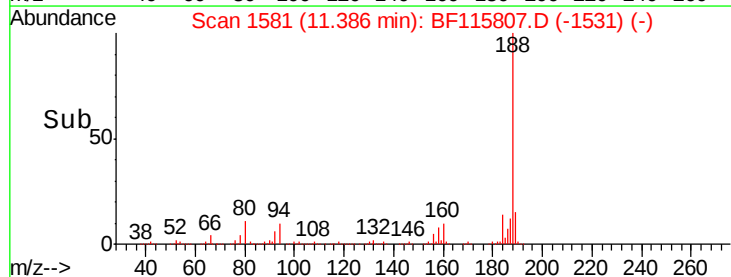
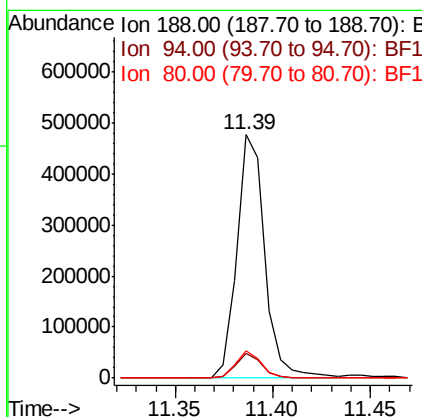
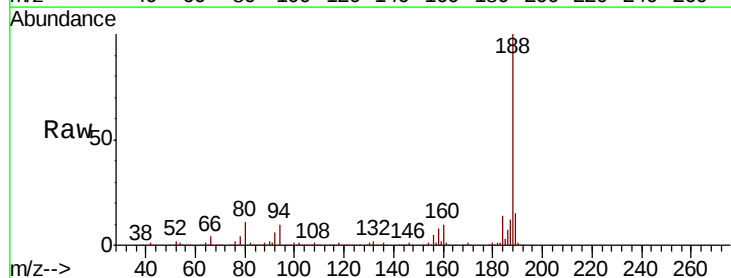
Manual Integrations
APPROVED

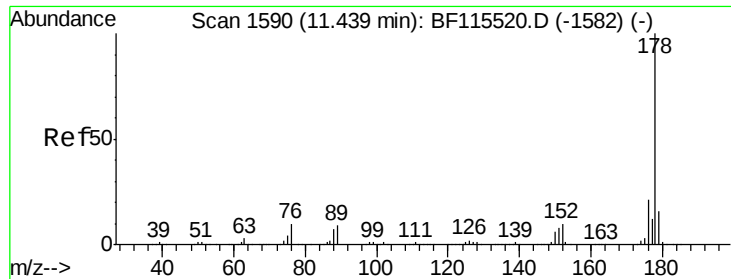
mohammad
7/29/2019 5:29:11 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF115807.D
Acq: 27 Jul 2019 00:31

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	472612		
94	10.2		8.2	12.2
80	11.1		9.0	13.6





#71

Phenanthrene

Concen: 5.990 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF115807.D

Acq: 27 Jul 2019 00:31

Instrument :

BNA_F

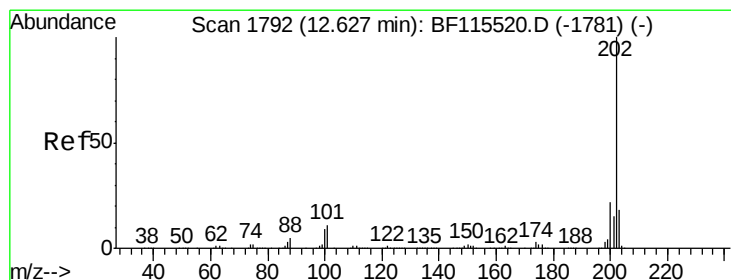
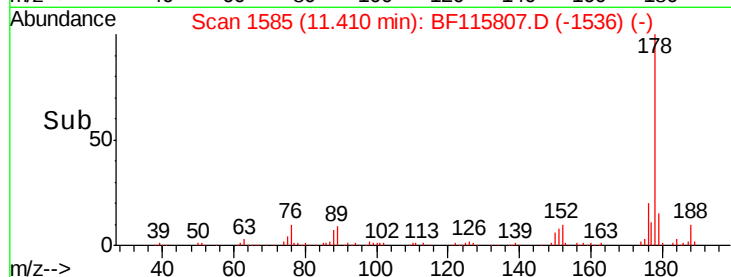
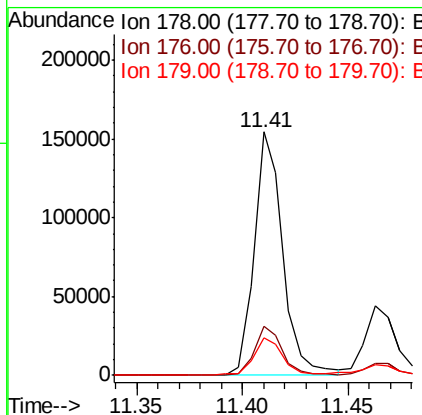
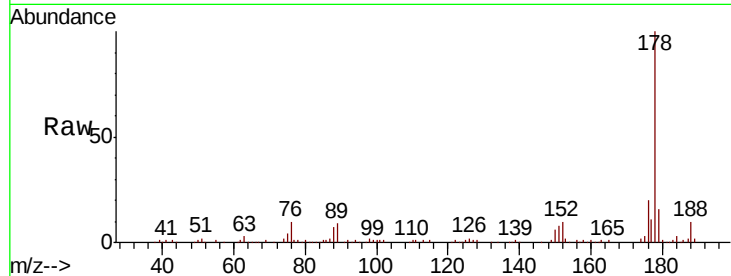
ClientSampleId :

CL-02-072519-A

Tot Ion:	178	Resp:	145105
Ion Ratio	Lower	Upper	
178	100		
176	20.1	16.4	24.6
179	15.7	12.7	19.1

Manual Integrations
APPROVED

mohammad
7/29/2019 5:29:11 PM



#75

Fluoranthene

Concen: 10.132 ng

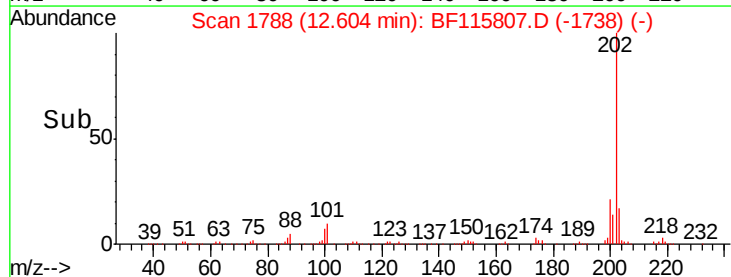
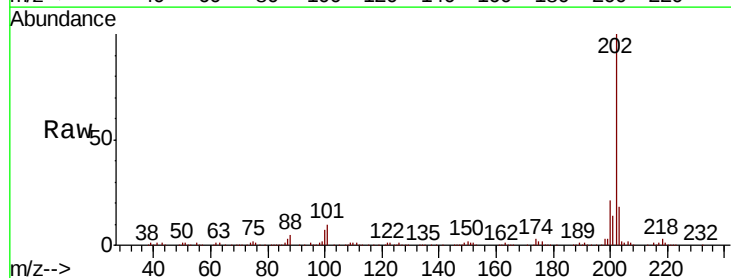
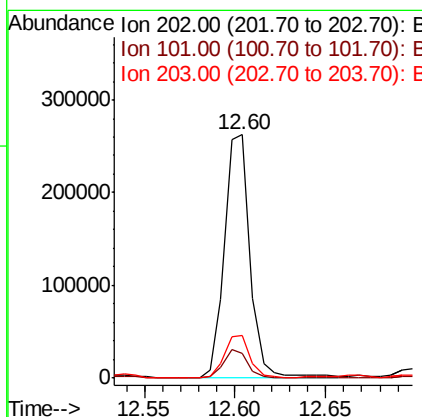
RT: 12.60 min Scan# 1788

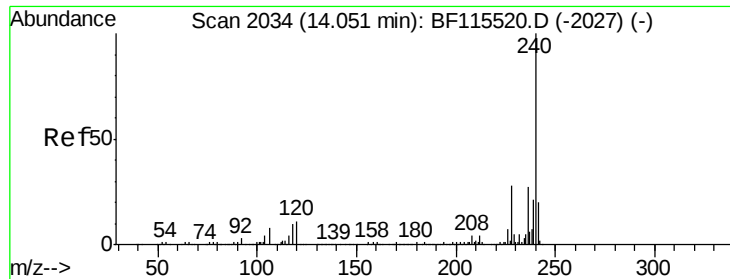
Delta R.T. -0.01 min

Lab File: BF115807.D

Acq: 27 Jul 2019 00:31

Tgt Ion:	202	Resp:	259387
Ion Ratio	Lower	Upper	
202	100		
101	10.1	0.0	31.6
203	17.5	0.0	38.0





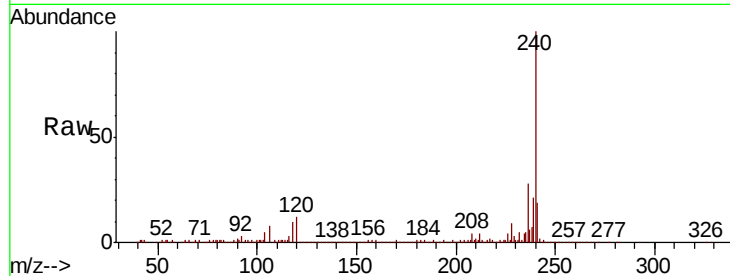
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF115807.D
Acq: 27 Jul 2019 00:31

Instrument :
BNA_F
ClientSampled :
CL-02-072519-A

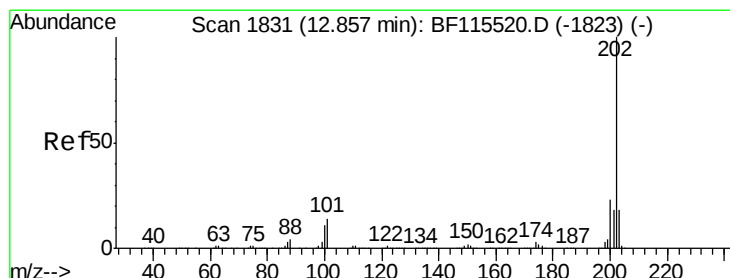
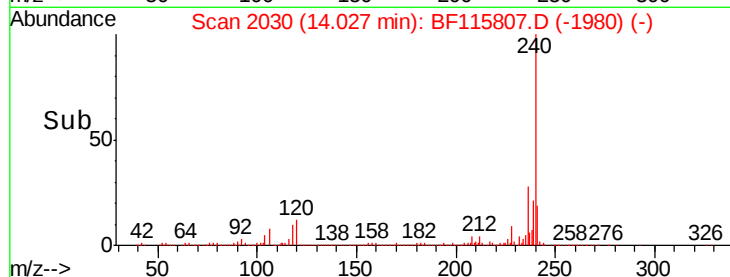
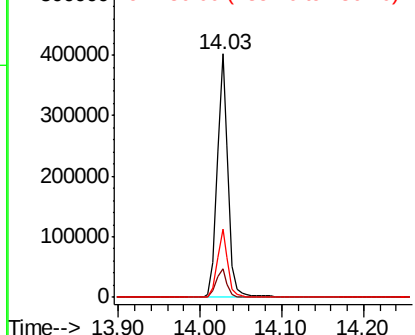
Tot Ion	Ratio	Lower	Upper
240	100		
120	11.9	10.0	15.0
236	28.0	21.8	32.6

Manual Integrations
APPROVED

mohammad
7/29/2019 5:29:11 PM



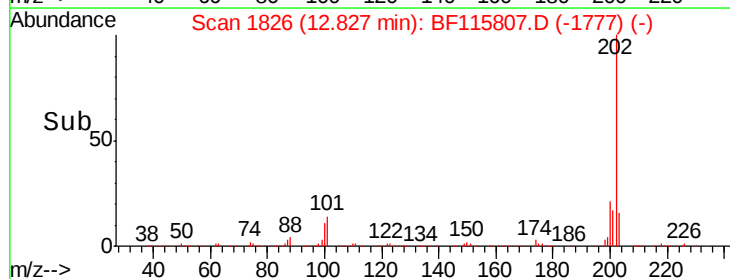
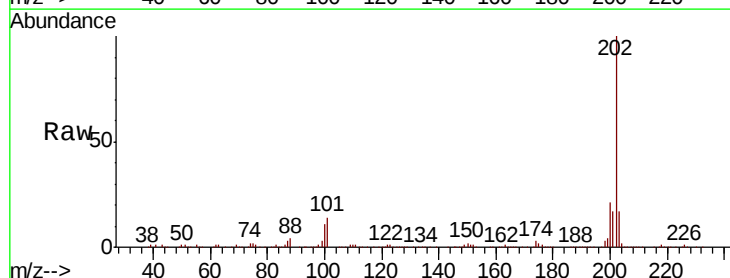
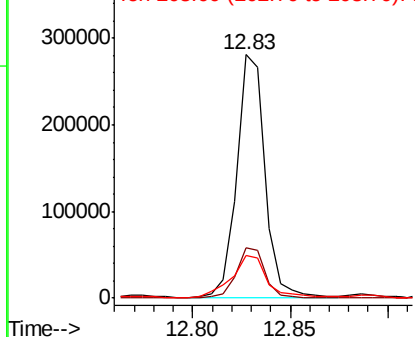
Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

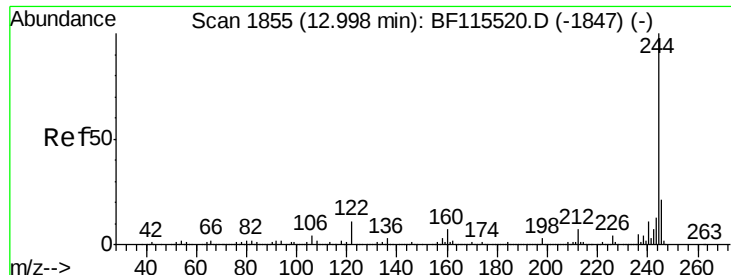


#78
Pyrene
Concen: 8.917 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF115807.D
Acq: 27 Jul 2019 00:31

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	18.2	27.4
203	17.4	14.6	21.8

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





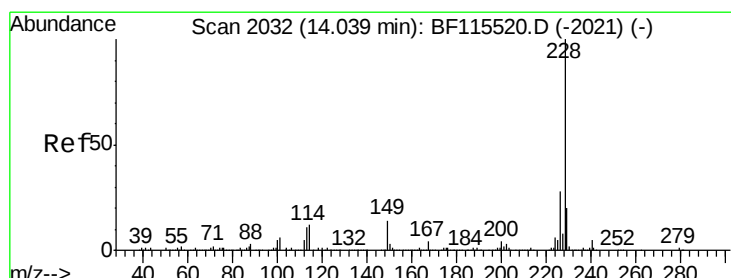
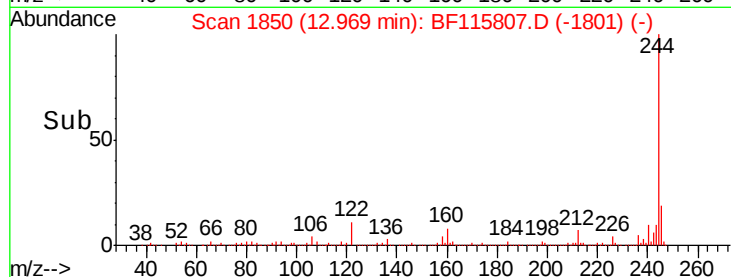
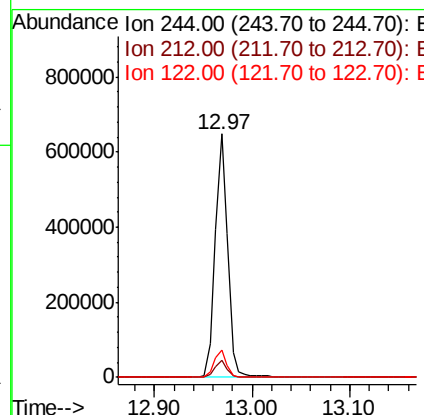
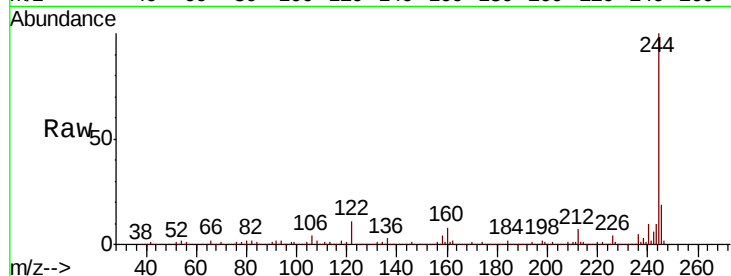
#79
 Terphenyl-d14
 Concen: 28.862 ng
 RT: 12.97 min Scan# 1850
 Delta R.T. -0.01 min
 Lab File: BF115807.D
 Acq: 27 Jul 2019 00:31

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-072519-A

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.5	8.3
122	11.3	8.2	12.4

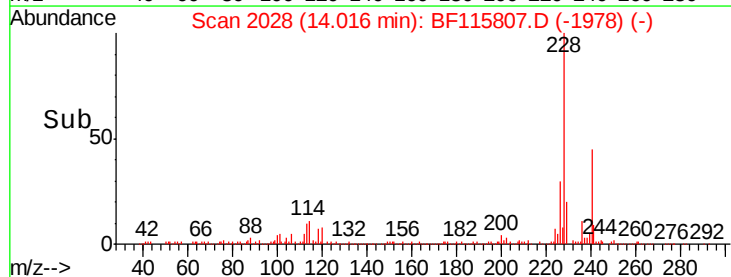
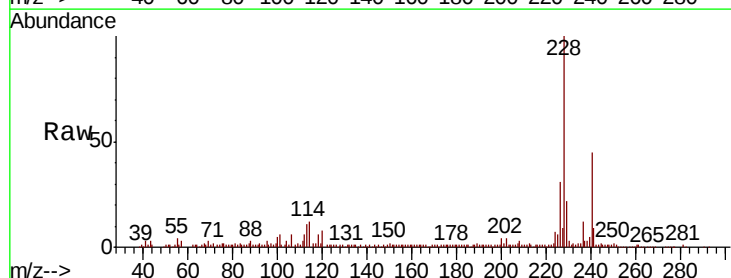
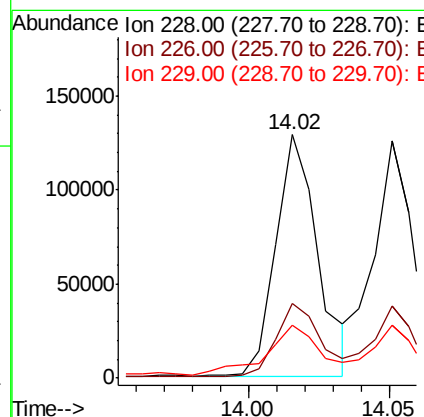
Manual Integrations
 APPROVED

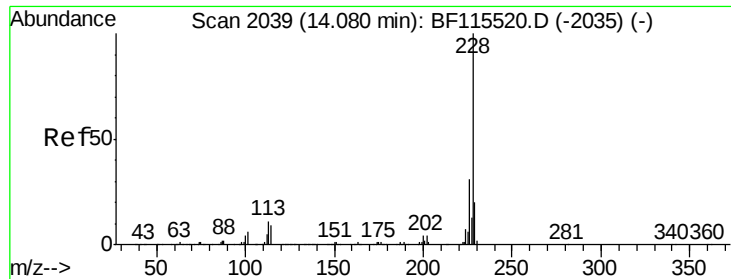
mohammad
 7/29/2019 5:29:11 PM



#81
 Benzo(a)anthracene
 Concen: 5.409 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.01 min
 Lab File: BF115807.D
 Acq: 27 Jul 2019 00:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	22.2	33.2
229	21.6	16.1	24.1





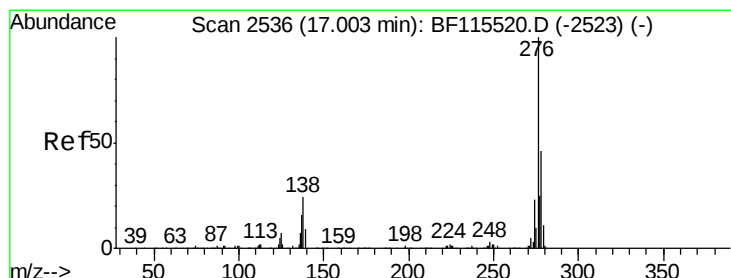
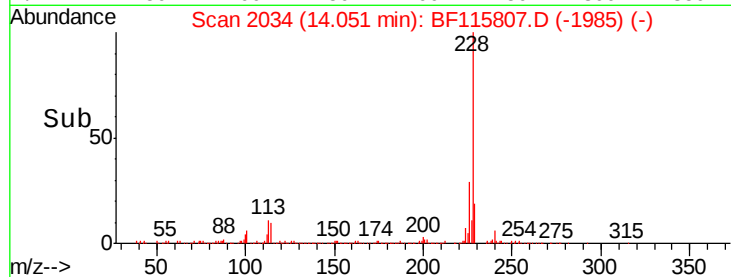
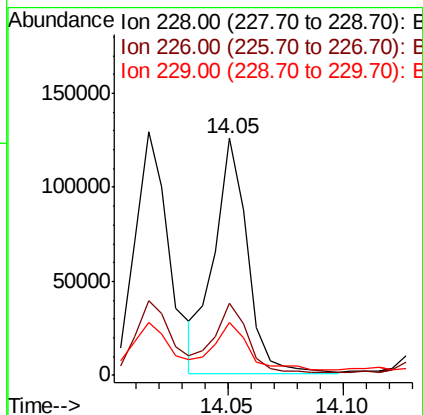
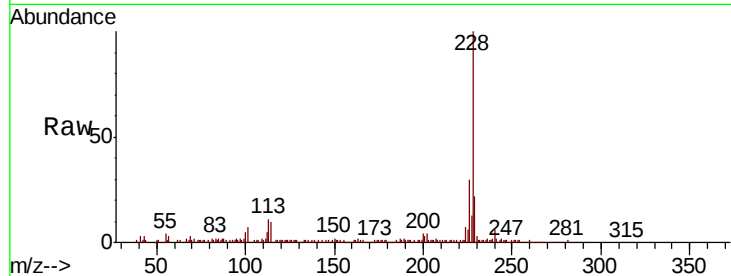
#83
Chrysene
Concen: 5.074 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF115807.D
Acq: 27 Jul 2019 00:31

Instrument :
BNA_F
ClientSampleId :
CL-02-072519-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.4
229	22.1	16.2	24.2

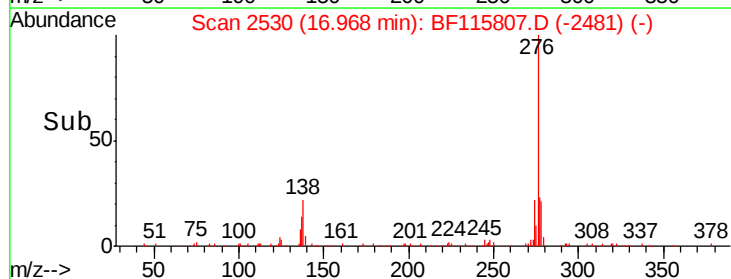
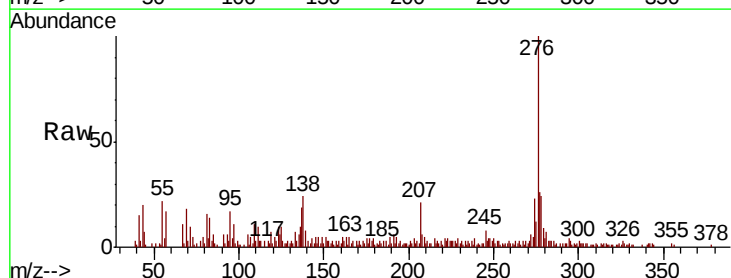
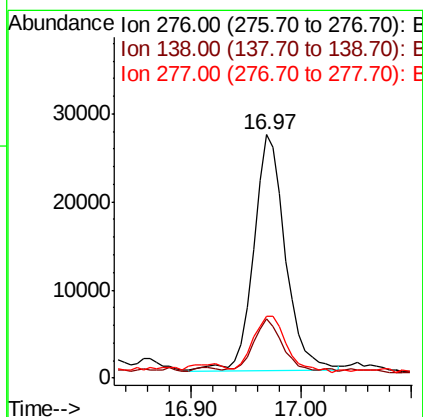
Manual Integrations
APPROVED

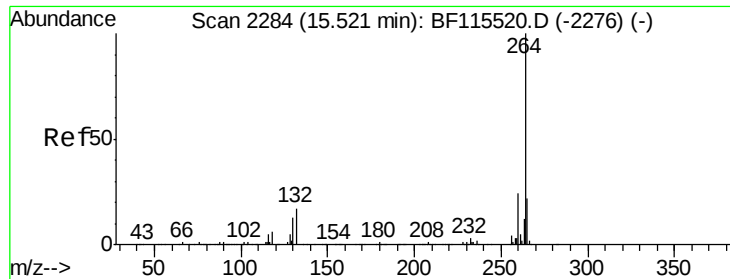
mohammad
7/29/2019 5:29:11 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.588 ng
RT: 16.97 min Scan# 2530
Delta R.T. -0.01 min
Lab File: BF115807.D
Acq: 27 Jul 2019 00:31

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.7	20.1	30.1
277	25.3	19.8	29.8





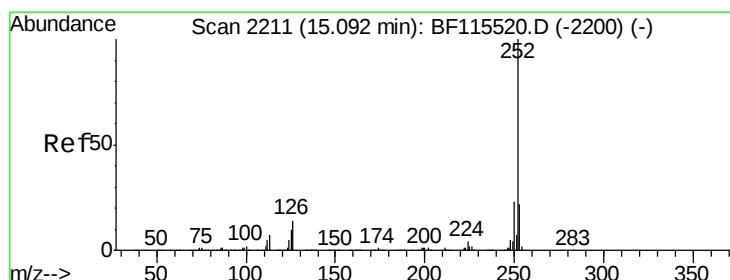
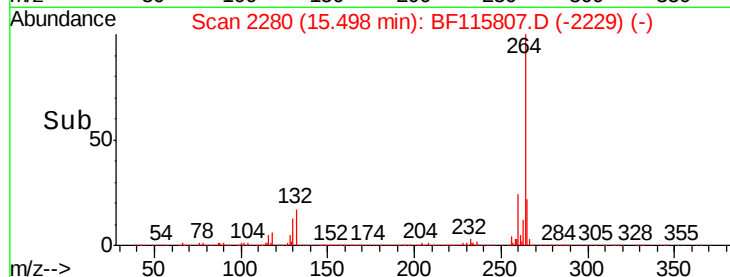
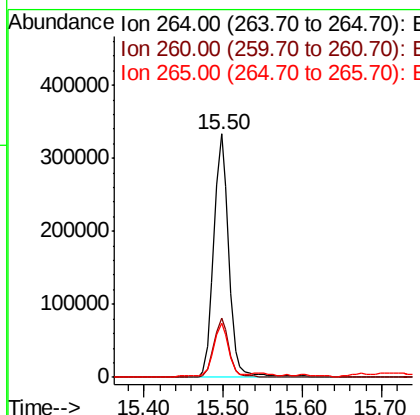
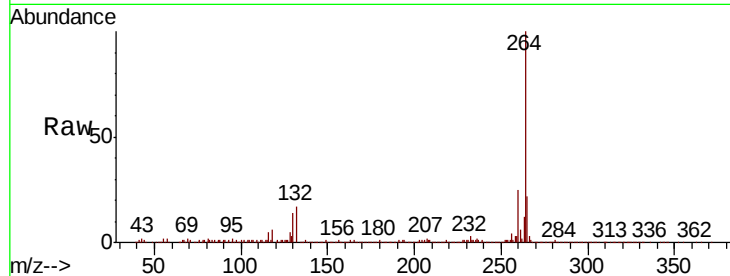
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.00 min
Lab File: BF115807.D
Acq: 27 Jul 2019 00:31

Instrument :
BNA_F
ClientSampleId :
CL-02-072519-A

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.8	29.6
265	22.3	17.5	26.3

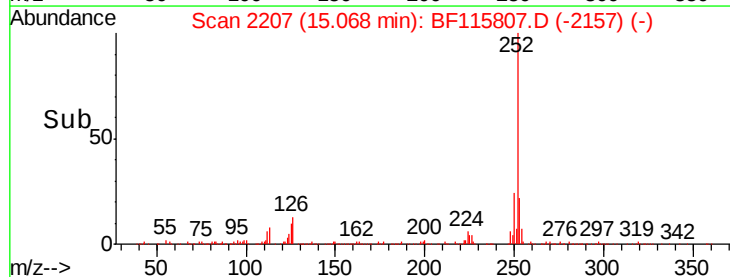
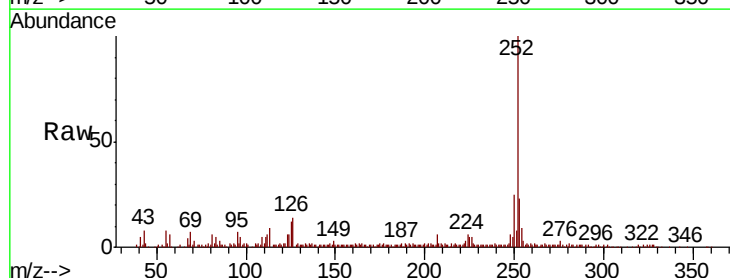
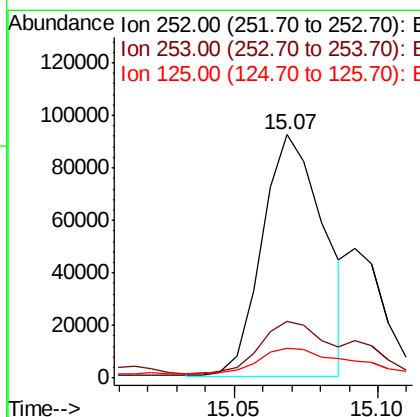
Manual Integrations
APPROVED

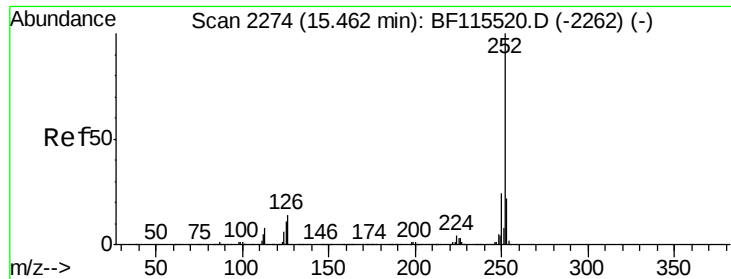
mohammad
7/29/2019 5:29:11 PM



#88
Benzo(b)fluoranthene
Concen: 4.877 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF115807.D
Acq: 27 Jul 2019 00:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.8
125	12.3	8.4	12.6





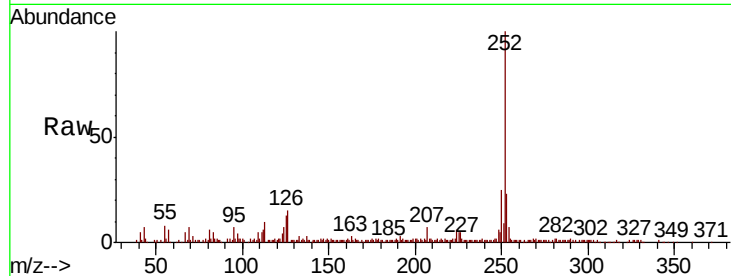
#90
Benzo(a)pyrene
Concen: 4.488 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF115807.D
Acq: 27 Jul 2019 00:31

Instrument :
BNA_F
ClientSampleId :
CL-02-072519-A

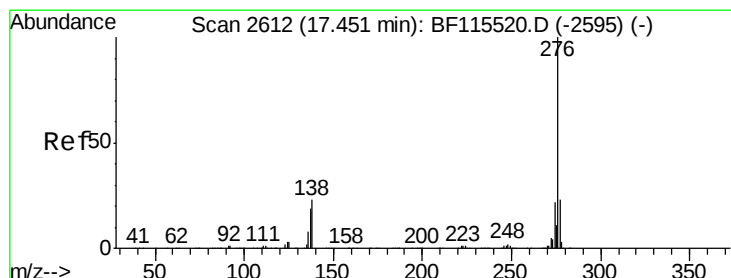
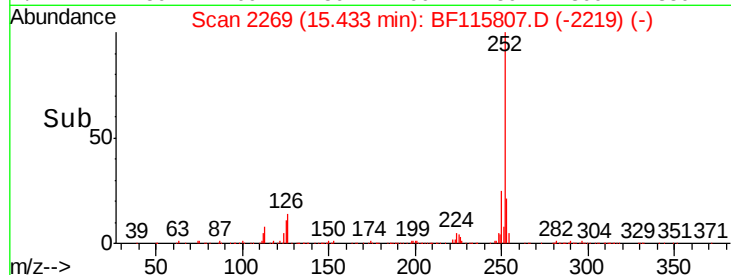
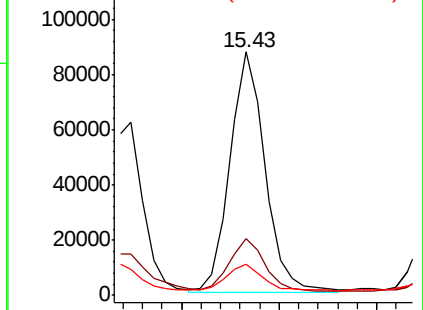
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.3	25.9
125	12.8	9.4	14.2

Manual Integrations
APPROVED

mohammad
7/29/2019 5:29:11 PM

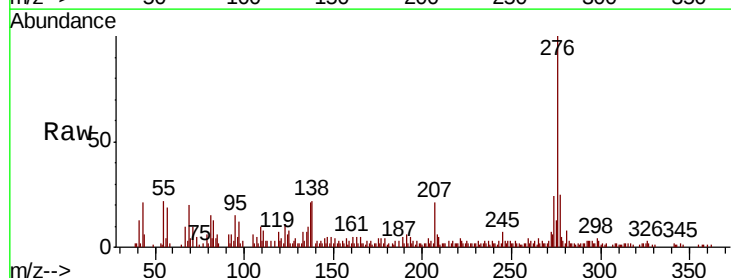


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 2.502 ng
RT: 17.42 min Scan# 2606
Delta R.T. -0.01 min
Lab File: BF115807.D
Acq: 27 Jul 2019 00:31

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.1	27.1
138	21.9	16.6	24.8



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

