

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP112719\
 Data File : BP001101.D
 Acq On : 28 Nov 2019 01:36
 Operator : JU
 Sample : K5977-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WS-112119-0-2-COMP-B1

Manual Integrations
 APPROVED

mohammad
 11/29/2019 8:55:10 AM

Quant Time: Nov 28 04:53:15 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP112719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 27 17:38:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.33	152	160042	20.00	ng	0.00
21) Naphthalene-d8	10.36	136	626153	20.00	ng	0.00
39) Acenaphthene-d10	13.23	164	343779	20.00	ng	0.00
64) Phenanthrene-d10	15.62	188	639121	20.00	ng	0.00
76) Chrysene-d12	19.27	240	506408	20.00	ng	0.00
87) Perylene-d12	21.04	264	544790	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.23	112	395657	41.02	ng	0.00
7) Phenol-d6	7.77	99	1142656	88.91	ng	0.00
23) Nitrobenzene-d5	9.20	82	796011	55.16	ng	0.00
42) 2,4,6-Tribromophenol	14.52	330	2891	0.88	ng	0.00
45) 2-Fluorobiphenyl	12.15	172	1360957	57.94	ng	0.00
79) Terphenyl-d14	17.91	244	1514598	55.33	ng	0.00
Target Compounds						
50) Dimethylphthalate	12.81	163	263408	10.245	ng	100
71) Phenanthrene	15.66	178	225784	6.720	ng	99
75) Fluoranthene	17.37	202	380203	10.688	ng	99
78) Pyrene	17.67	202	375862	9.423	ng	99
81) Benzo(a)anthracene	19.25	228	186917	5.324	ng	96
83) Chrysene	19.30	228	173956	5.533	ng	98
86) Indeno(1,2,3-cd)pyrene	22.68	276	94287	2.545	ng	96
88) Benzo(b)fluoranthene	20.55	252	207882m	6.247	ng	
89) Benzo(k)fluoranthene	20.58	252	67649m	2.111	ng	
90) Benzo(a)pyrene	20.97	252	150877	4.923	ng	97
92) Benzo(g,h,i)perylene	23.17	276	94698	3.197	ng	95

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

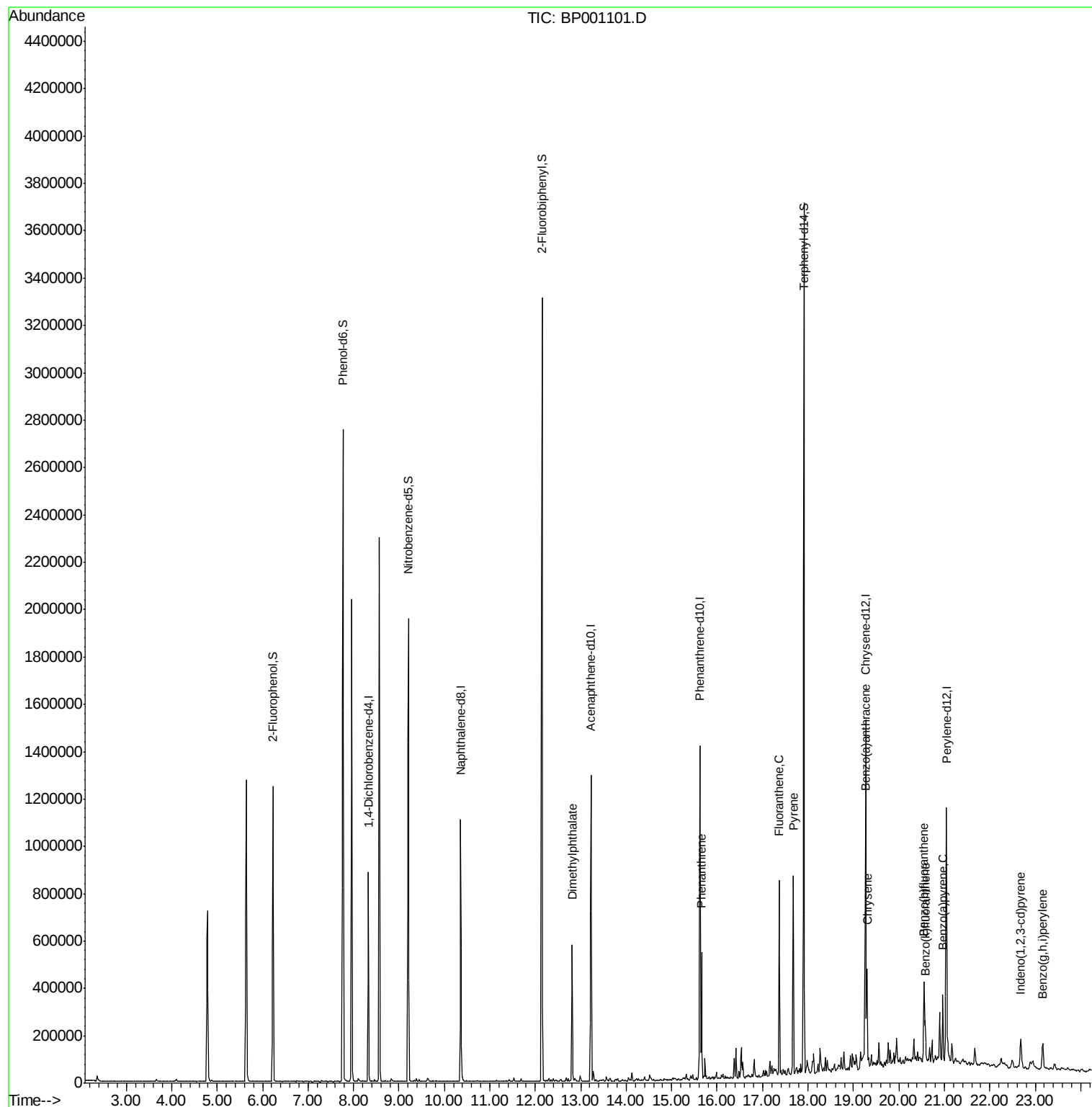
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP112719\
Data File : BP001101.D
Acq On : 28 Nov 2019 01:36
Operator : JU
Sample : K5977-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

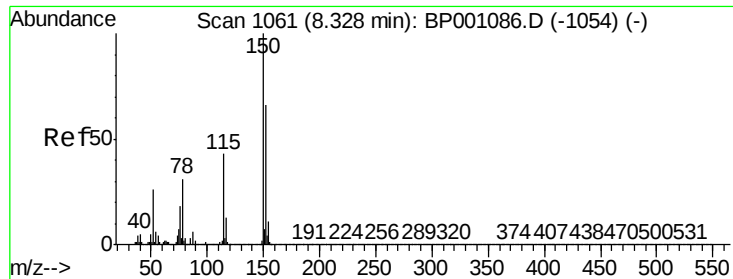
Instrument :
BNA_P
ClientSampleId :
WS-112119-0-2-COMP-B1

Manual Integrations
APPROVED

mohammad
11/29/2019 8:55:10 AM

Quant Time: Nov 28 04:53:15 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 27 17:38:46 2019
Response via : Initial Calibration





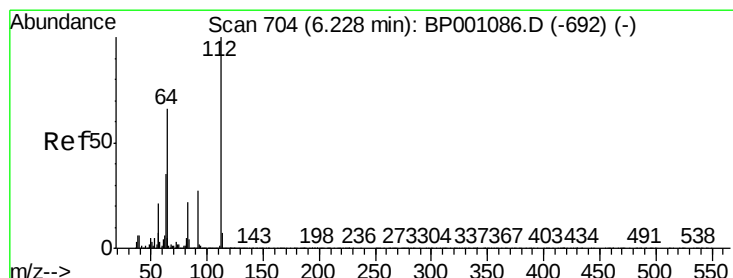
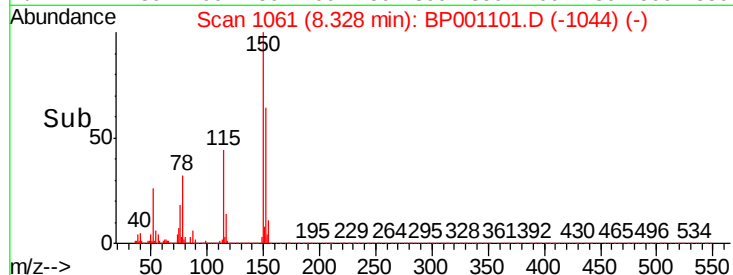
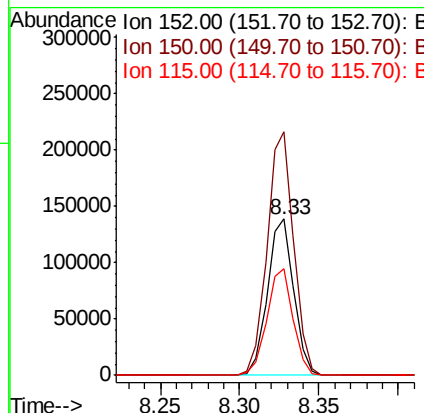
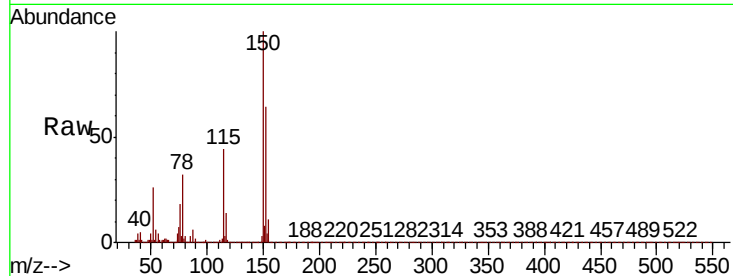
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.33 min Scan# 1061
Delta R.T. 0.00 min
Lab File: BP001101.D
Acq: 28 Nov 2019 01:36

Instrument :
BNA_P
ClientSampleId :
WS-112119-0-2-COMP-B1

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	120.6	181.0
115	68.2	51.6	77.4

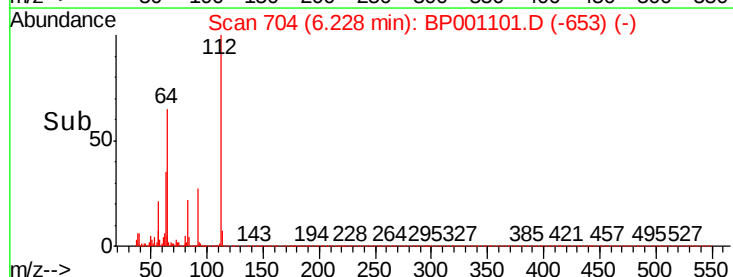
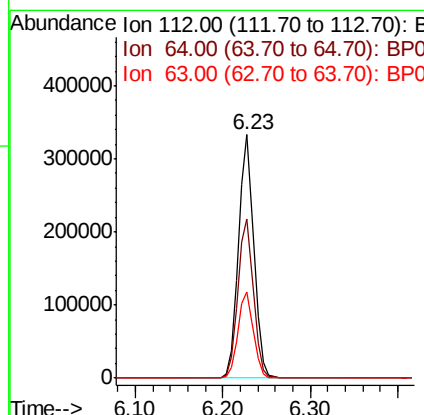
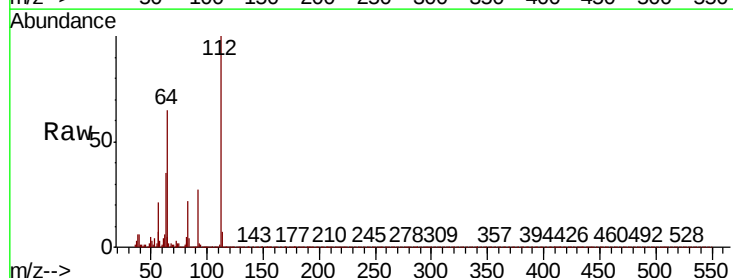
Manual Integrations
APPROVED

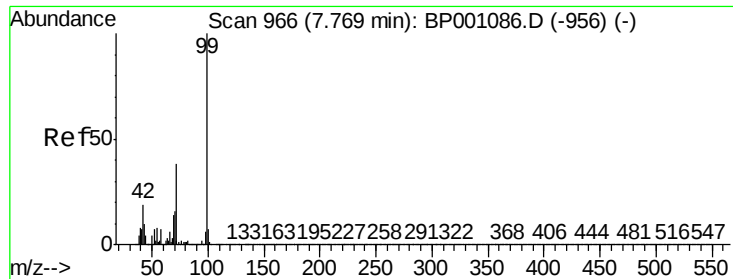
mohammad
11/29/2019 8:55:10 AM



#5
2-Fluorophenol
Concen: 41.016 ng
RT: 6.23 min Scan# 704
Delta R.T. 0.00 min
Lab File: BP001101.D
Acq: 28 Nov 2019 01:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.3	52.8	79.2
63	35.2	28.2	42.2





#7

Phenol-d6

Concen: 88.913 ng

RT: 7.77 min Scan# 966

Delta R.T. 0.00 min

Lab File: BP001101.D

Acq: 28 Nov 2019 01:36

Instrument :

BNA_P

ClientSampleId :

WS-112119-0-2-COMP-B1

Tot Ion: 99 Resp: 1142656

Ion Ratio Lower Upper

99 100

42 19.5 15.4 23.0

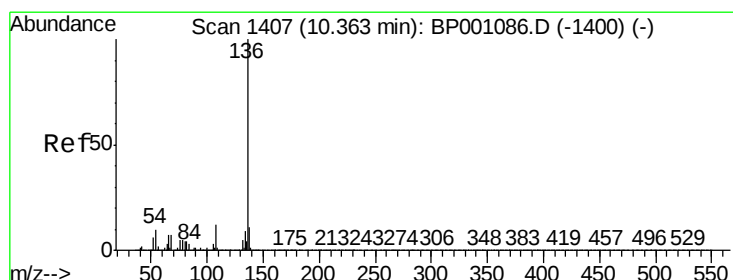
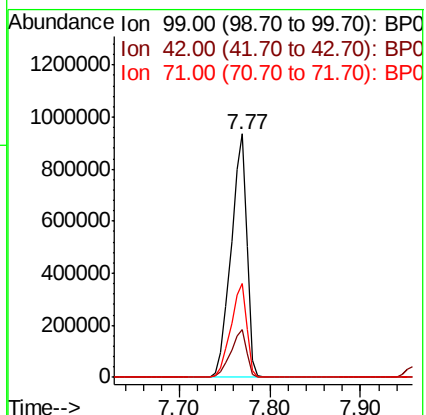
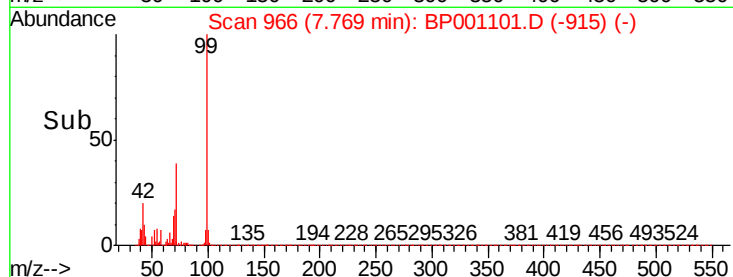
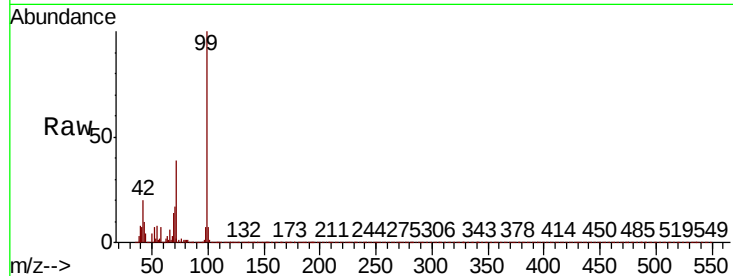
71 38.6 30.8 46.2

Manual Integrations

APPROVED

mohammad

11/29/2019 8:55:10 AM



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.36 min Scan# 1407

Delta R.T. 0.00 min

Lab File: BP001101.D

Acq: 28 Nov 2019 01:36

Tgt Ion: 136 Resp: 626153

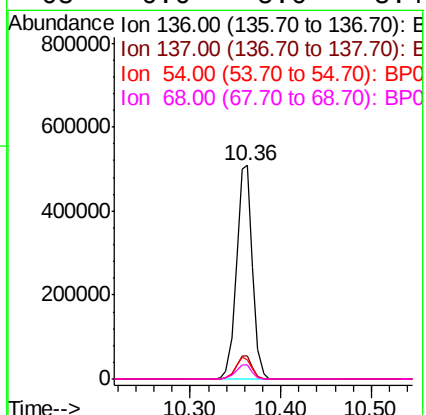
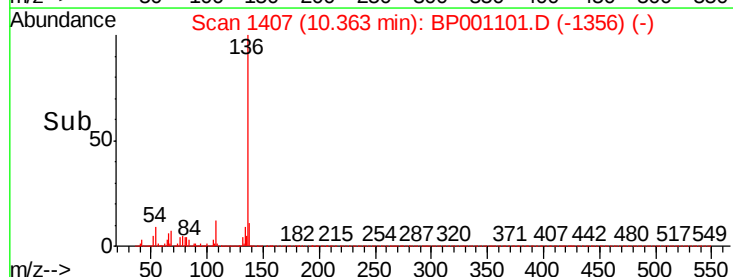
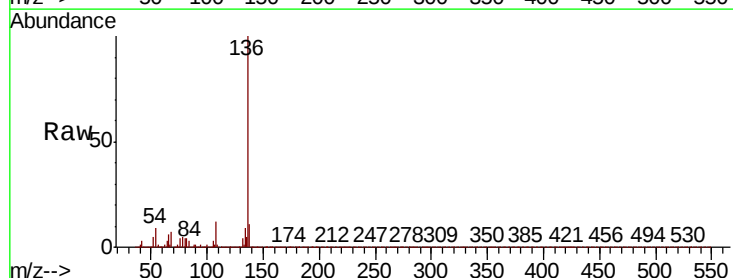
Ion Ratio Lower Upper

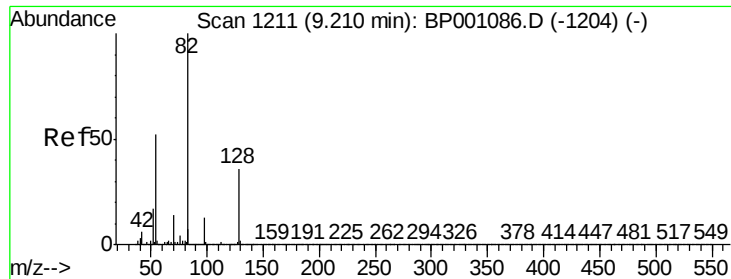
136 100

137 10.7 8.8 13.2

54 9.2 7.9 11.9

68 6.6 5.6 8.4





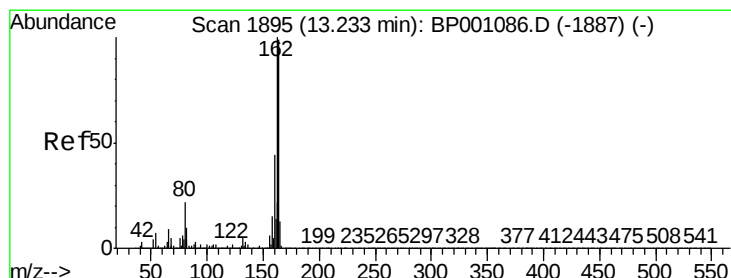
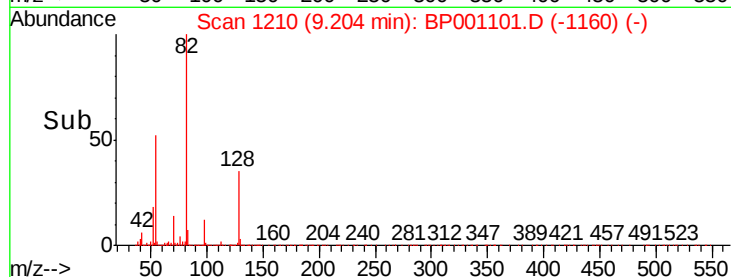
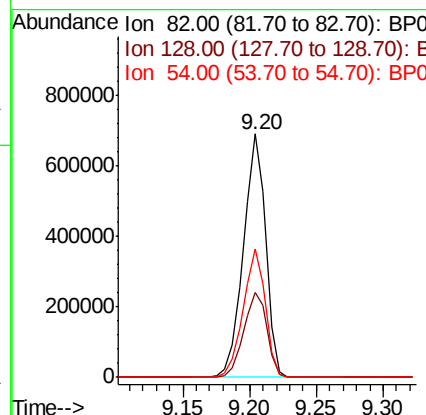
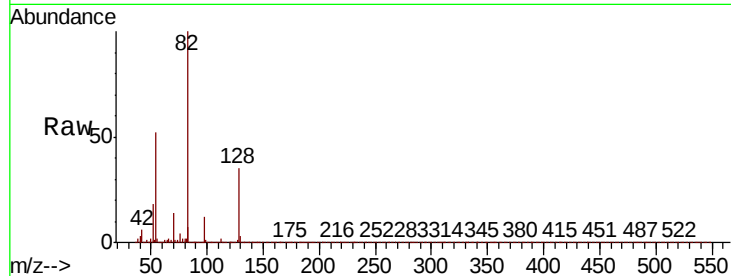
#23
Nitrobenzene-d5
Concen: 55.155 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BP001101.D
Acq: 28 Nov 2019 01:36

Instrument :
BNA_P
ClientSampleId :
WS-112119-0-2-COMP-B1

Tot Ion	Ratio	Lower	Upper
82	100		
128	35.1	28.9	43.3
54	52.5	41.9	62.9

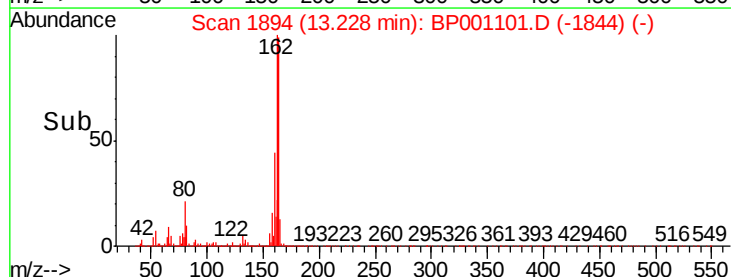
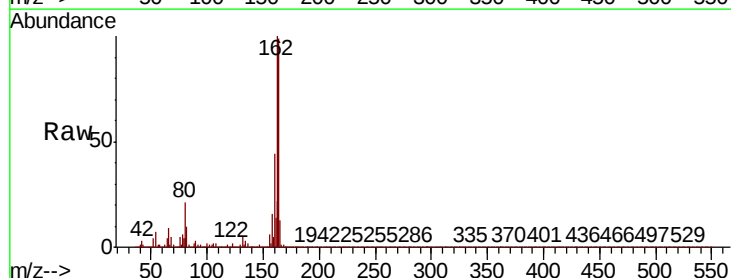
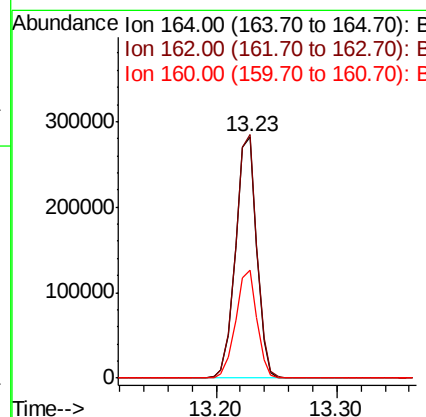
Manual Integrations
APPROVED

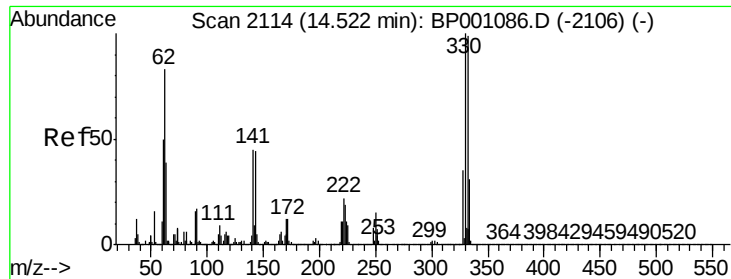
mohammad
11/29/2019 8:55:10 AM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 13.23 min Scan# 1894
Delta R.T. -0.01 min
Lab File: BP001101.D
Acq: 28 Nov 2019 01:36

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.8	80.6	120.8
160	44.7	35.4	53.2





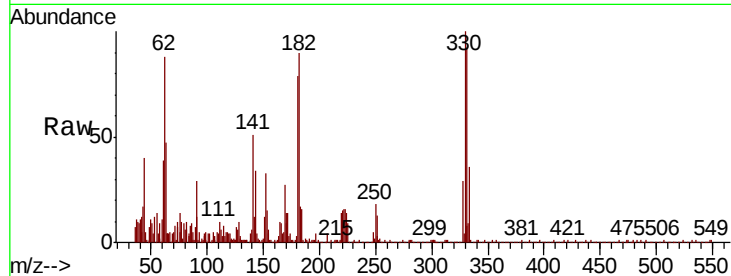
#42
2,4,6-Tribromophenol
Concen: 0.877 ng
RT: 14.52 min Scan# 2113
Delta R.T. -0.01 min
Lab File: BP001101.D
Acq: 28 Nov 2019 01:36

Instrument :
BNA_P
ClientSampleId :
WS-112119-0-2-COMP-B1

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.1	77.6	116.4
141	58.7	34.2	51.2

Manual Integrations
APPROVED

mohammad
11/29/2019 8:55:10 AM

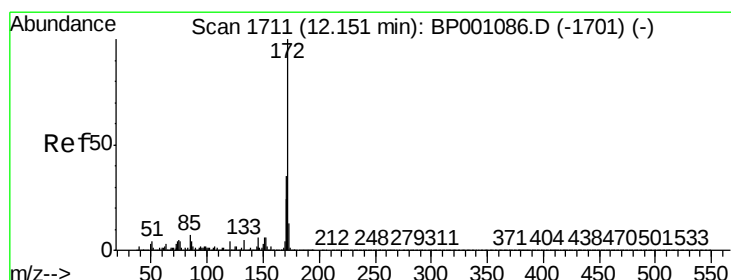
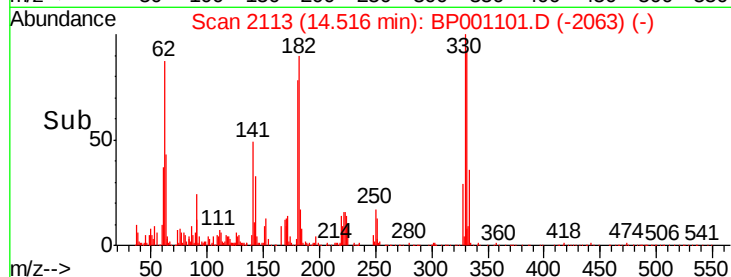
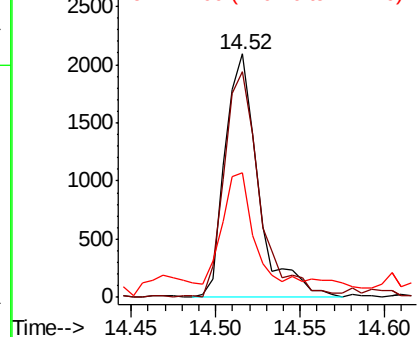


Abundance

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: 57.940 ng
RT: 12.15 min Scan# 1710
Delta R.T. -0.01 min
Lab File: BP001101.D
Acq: 28 Nov 2019 01:36

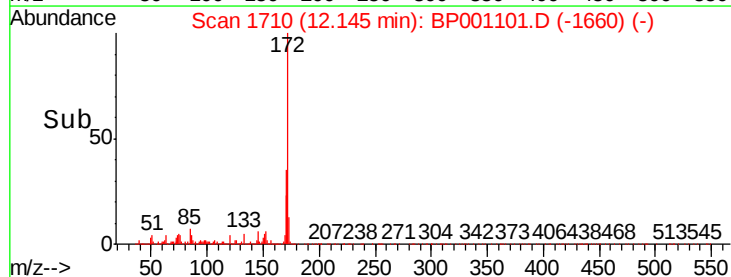
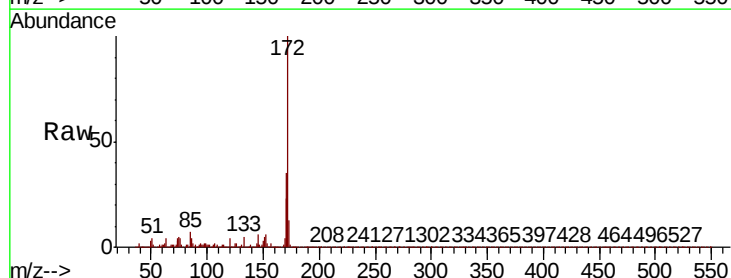
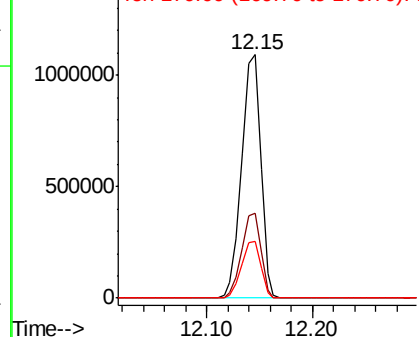
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.9	41.9
170	23.4	19.0	28.4

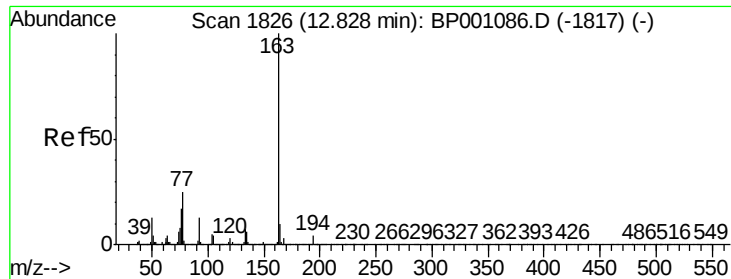
Abundance

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





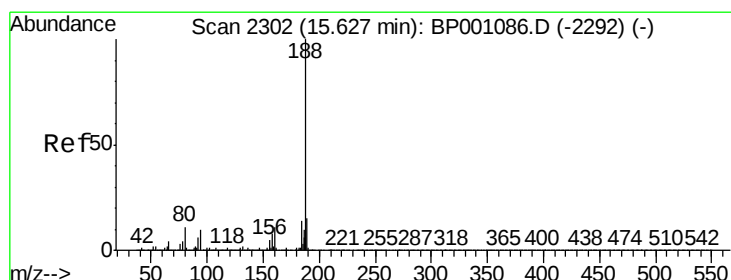
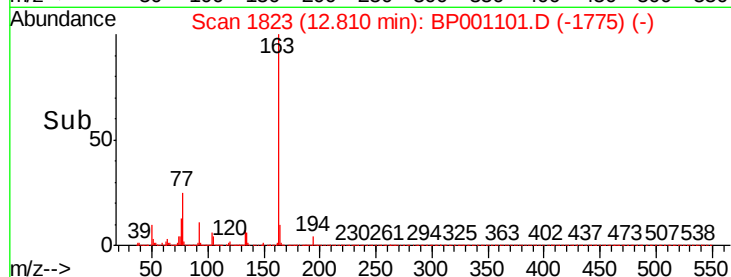
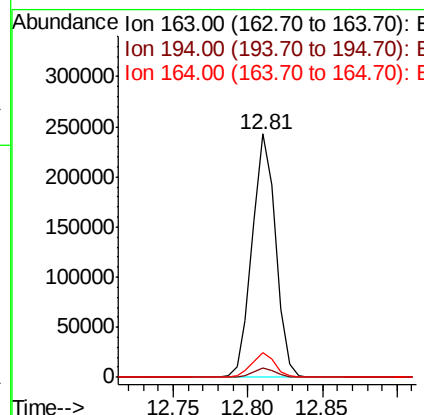
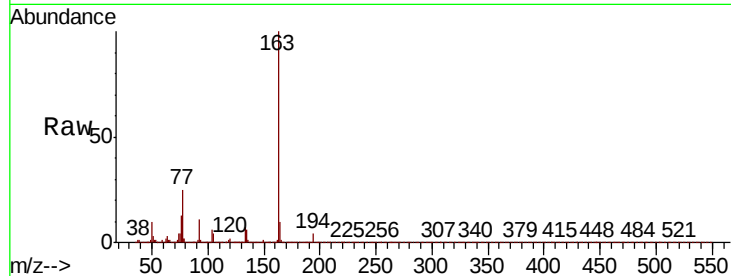
#50
Dimethylphthalate
Concen: 10.245 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.02 min
Lab File: BP001101.D
Acq: 28 Nov 2019 01:36

Instrument :
BNA_P
ClientSampleId :
WS-112119-0-2-COMP-B1

Tot Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	4.1	3.1	4.7
164	10.0	8.1	12.1

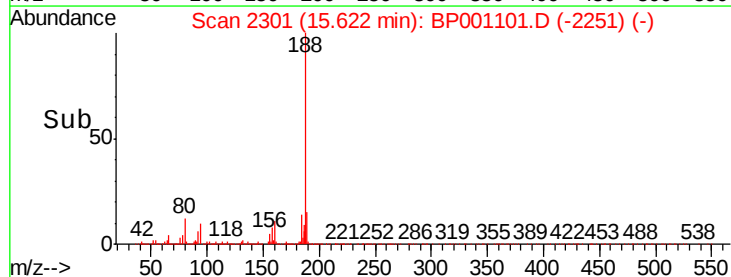
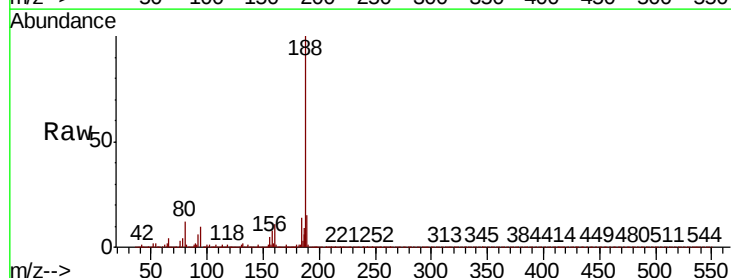
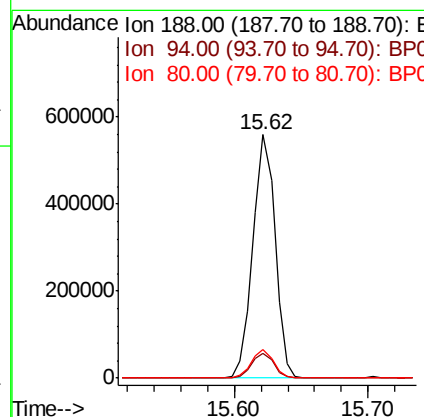
Manual Integrations
APPROVED

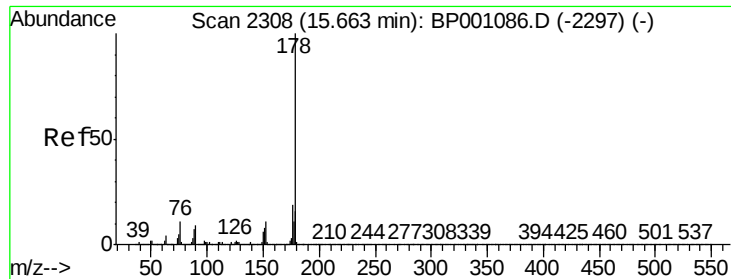
mohammad
11/29/2019 8:55:10 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 15.62 min Scan# 2301
Delta R.T. -0.01 min
Lab File: BP001101.D
Acq: 28 Nov 2019 01:36

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	10.3	7.9	11.9
80	11.8	8.8	13.2





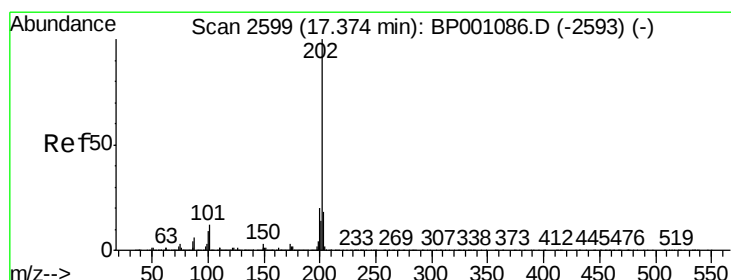
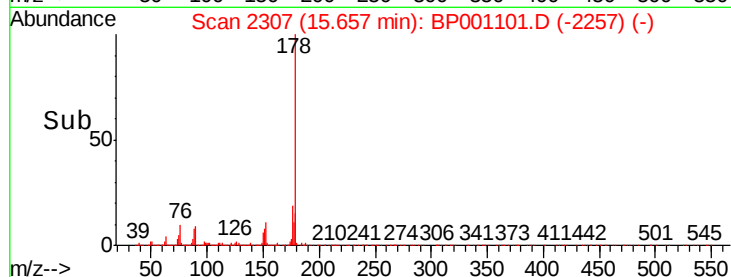
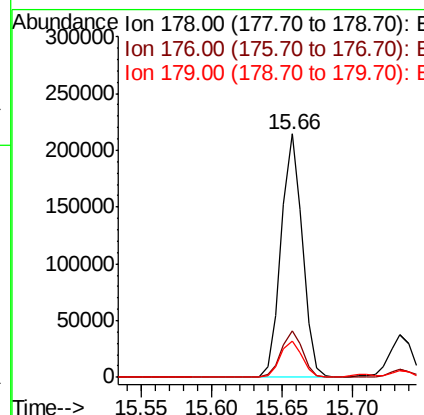
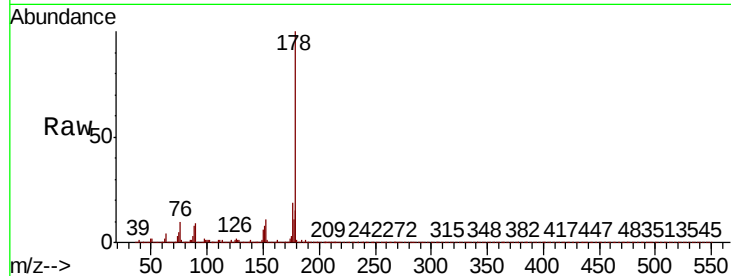
#71
Phenanthrene
Concen: 6.720 ng
RT: 15.66 min Scan# 2307
Delta R.T. -0.01 min
Lab File: BP001101.D
Acq: 28 Nov 2019 01:36

Instrument :
BNA_P
ClientSampleId :
WS-112119-0-2-COMP-B1

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	15.1	12.5	18.7

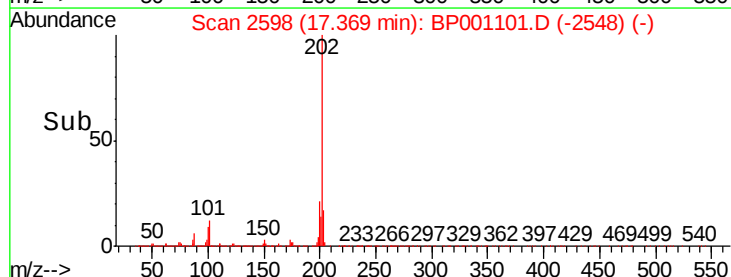
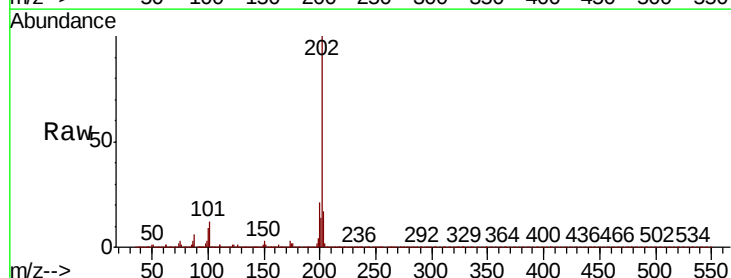
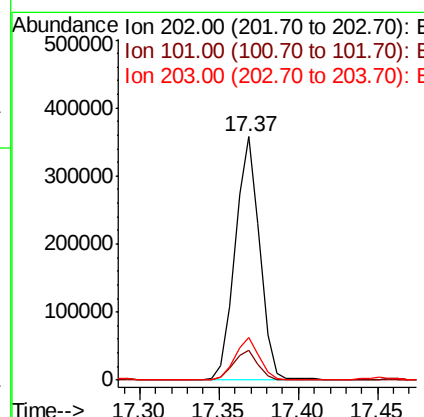
Manual Integrations
APPROVED

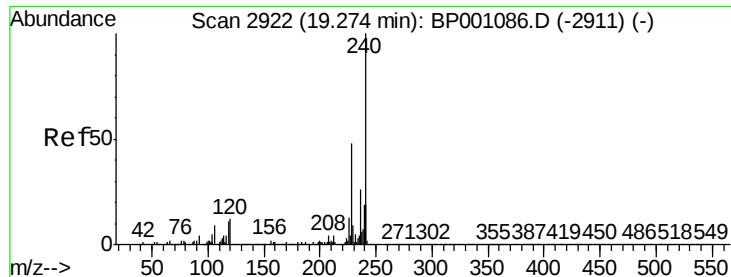
mohammad
11/29/2019 8:55:10 AM



#75
Fluoranthene
Concen: 10.688 ng
RT: 17.37 min Scan# 2598
Delta R.T. -0.01 min
Lab File: BP001101.D
Acq: 28 Nov 2019 01:36

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	32.1
203	17.4	0.0	37.8





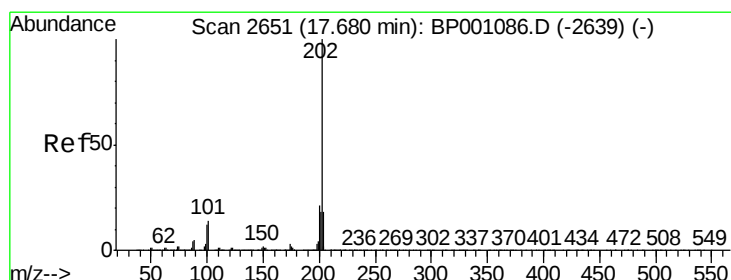
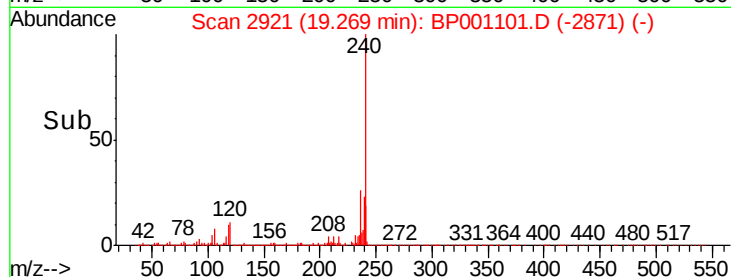
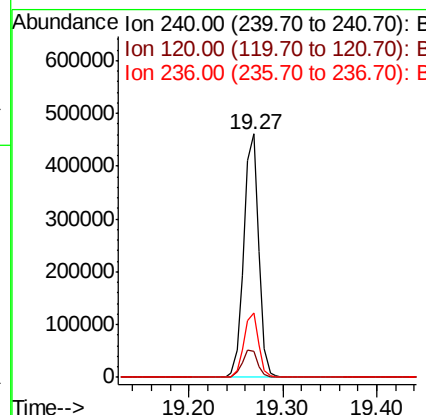
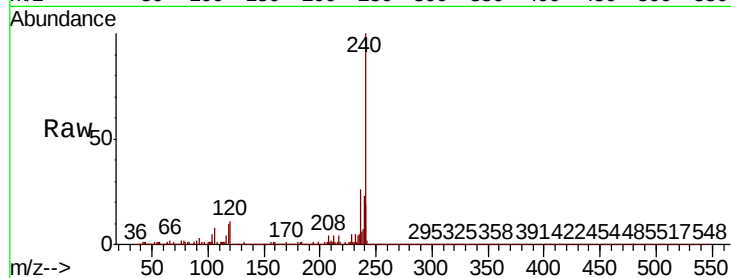
#76
Chrysene-d12
Concen: 20.000 ng
RT: 19.27 min Scan# 2921
Delta R.T. -0.01 min
Lab File: BP001101.D
Acq: 28 Nov 2019 01:36

Instrument :
BNA_P
ClientSampleId :
WS-112119-0-2-COMP-B1

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.8	9.5	14.3
236	26.3	20.4	30.6

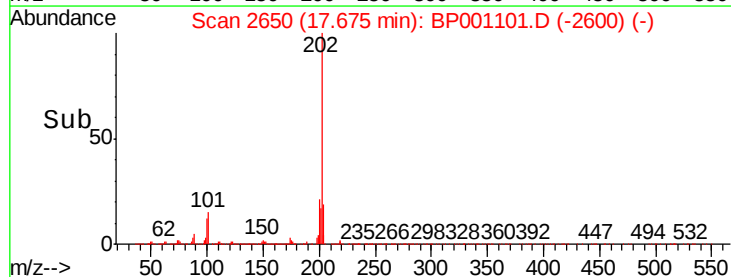
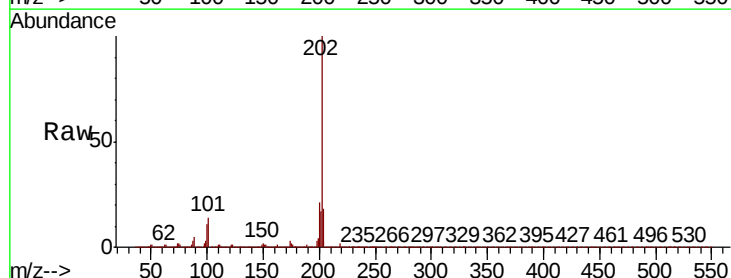
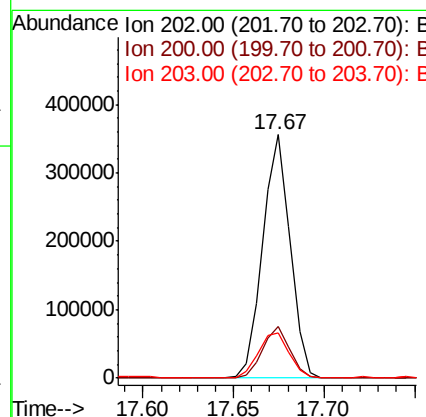
Manual Integrations
APPROVED

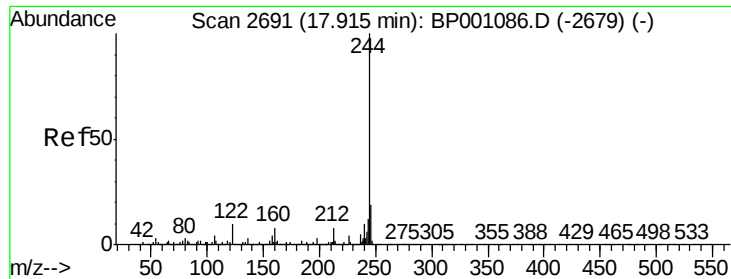
mohammad
11/29/2019 8:55:10 AM



#78
Pyrene
Concen: 9.423 ng
RT: 17.67 min Scan# 2650
Delta R.T. -0.01 min
Lab File: BP001101.D
Acq: 28 Nov 2019 01:36

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.6
203	18.4	14.1	21.1





#79

Terphenyl-d14

Concen: 55.334 ng

RT: 17.91 min Scan# 2690

Delta R.T. -0.01 min

Lab File: BP001101.D

Acq: 28 Nov 2019 01:36

Instrument :

BNA_P

ClientSampleId :

WS-112119-0-2-COMP-B1

Tot Ion:244 Resp: 1514598

Ion Ratio Lower Upper

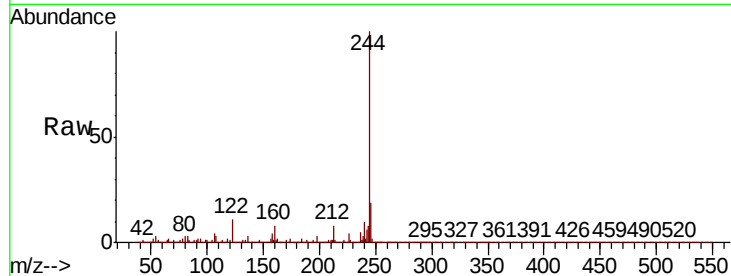
244 100

212 7.7 6.2 9.2

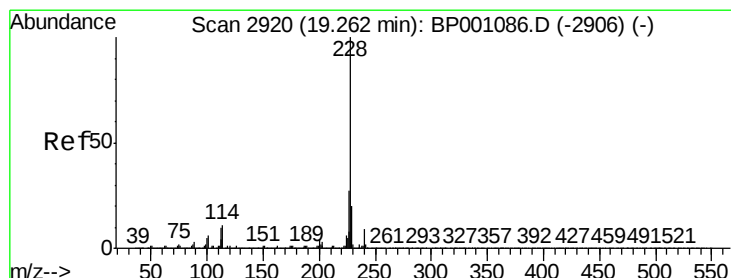
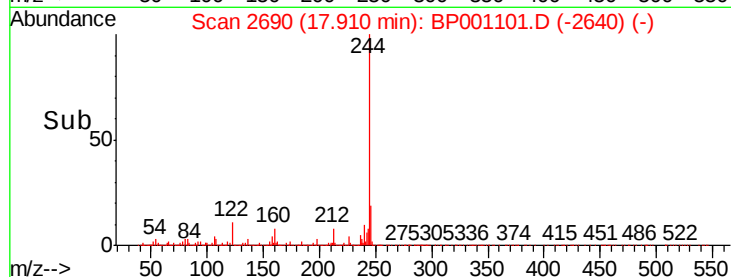
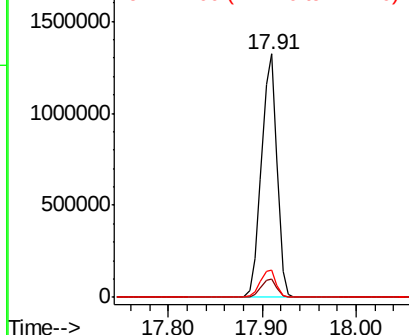
122 11.0 8.2 12.2

Manual Integrations
APPROVED

mohammad
11/29/2019 8:55:10 AM



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 5.324 ng

RT: 19.25 min Scan# 2918

Delta R.T. -0.01 min

Lab File: BP001101.D

Acq: 28 Nov 2019 01:36

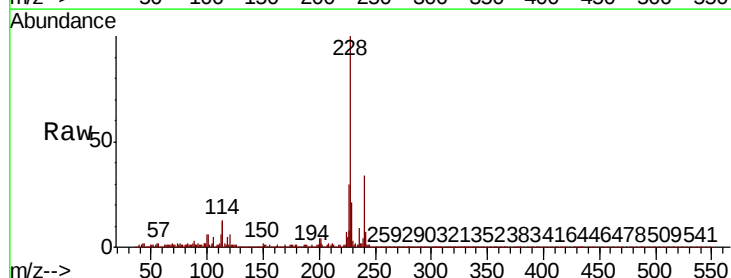
Tgt Ion:228 Resp: 186917

Ion Ratio Lower Upper

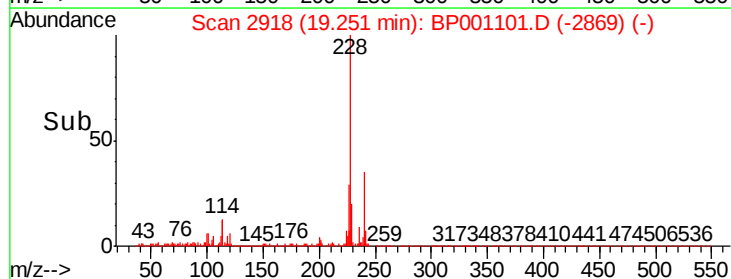
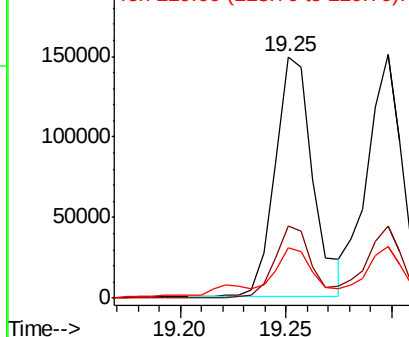
228 100

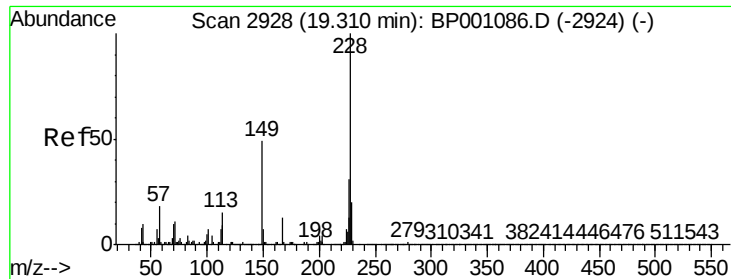
226 29.6 21.8 32.6

229 20.7 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





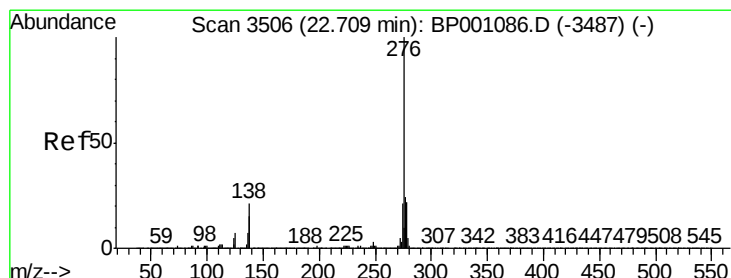
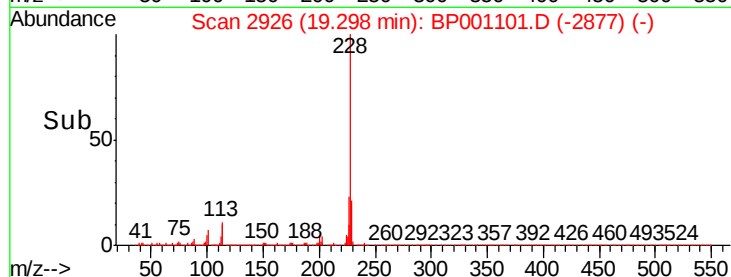
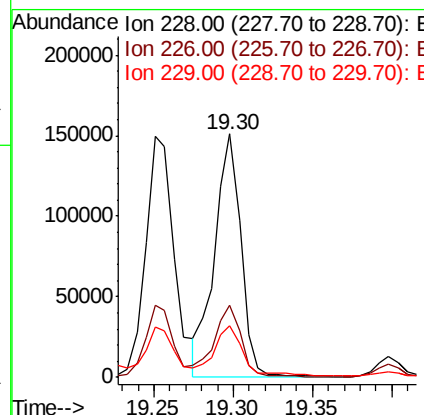
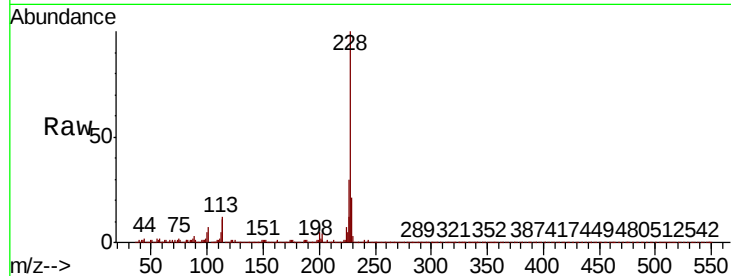
#83
Chrysene
Concen: 5.533 ng
RT: 19.30 min Scan# 2926
Delta R.T. -0.01 min
Lab File: BP001101.D
Acq: 28 Nov 2019 01:36

Instrument :
BNA_P
ClientSampleId :
WS-112119-0-2-COMP-B1

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.4	36.6
229	21.5	15.7	23.5

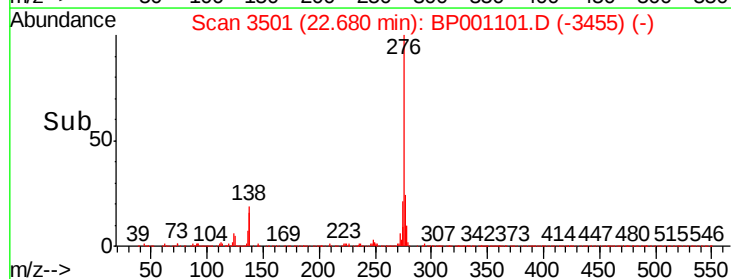
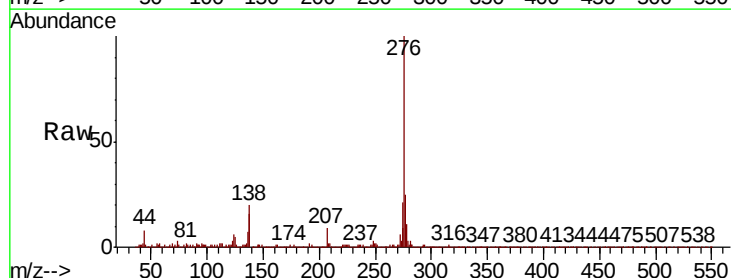
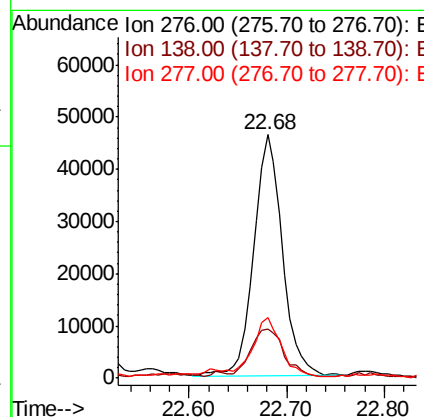
Manual Integrations
APPROVED

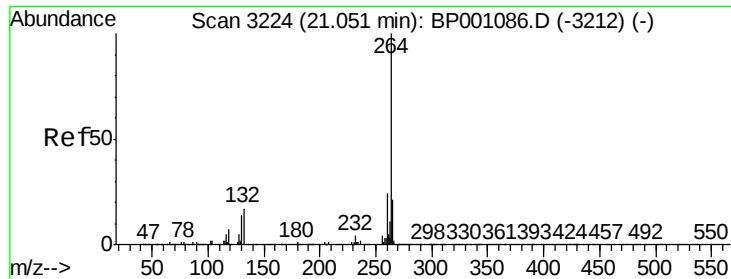
mohammad
11/29/2019 8:55:10 AM



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.545 ng
RT: 22.68 min Scan# 3501
Delta R.T. -0.03 min
Lab File: BP001101.D
Acq: 28 Nov 2019 01:36

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.4	20.6	30.8
277	24.5	20.0	30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 21.04 min Scan# 3223

Delta R.T. -0.01 min

Lab File: BP001101.D

Acq: 28 Nov 2019 01:36

Instrument :

BNA_P

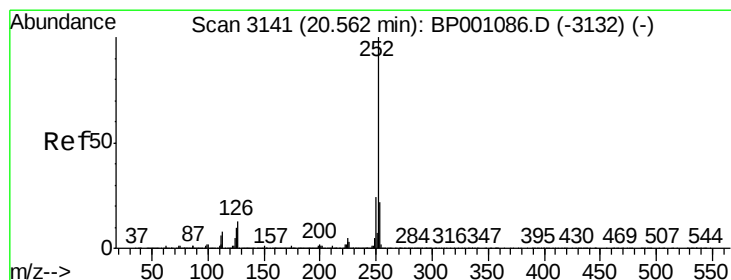
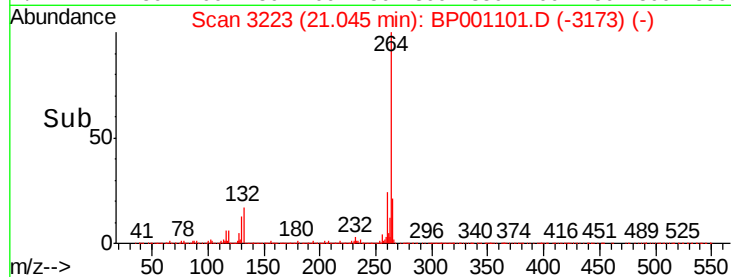
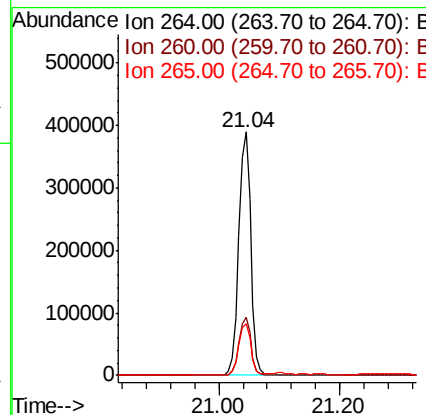
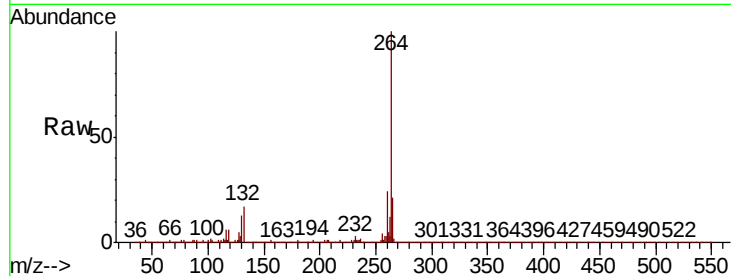
ClientSampleId :

WS-112119-0-2-COMP-B1

Tot Ion:	264	Resp:	544790
Ion Ratio	Lower	Upper	
264	100		
260	23.8	18.8	28.2
265	21.3	16.9	25.3

Manual Integrations
APPROVED

mohammad
11/29/2019 8:55:10 AM



#88

Benzo(b)fluoranthene

Concen: 6.247 ng m

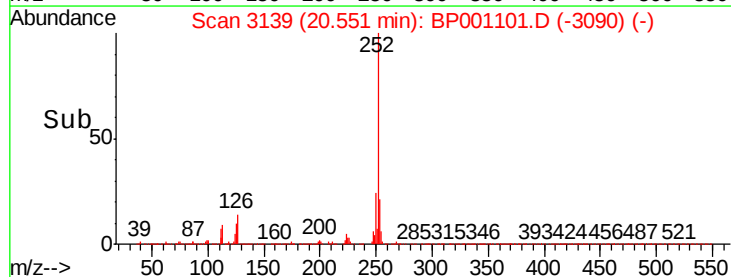
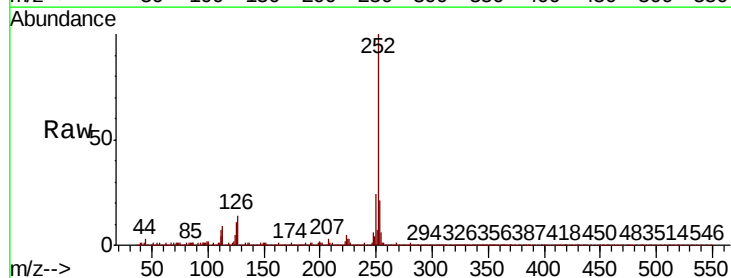
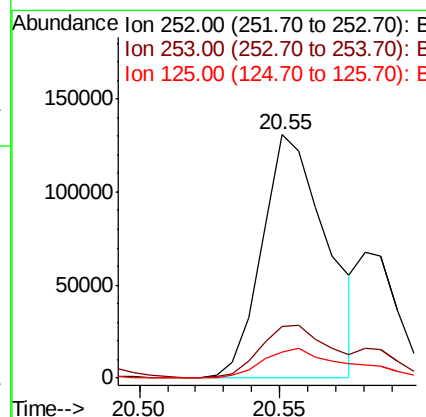
RT: 20.55 min Scan# 3139

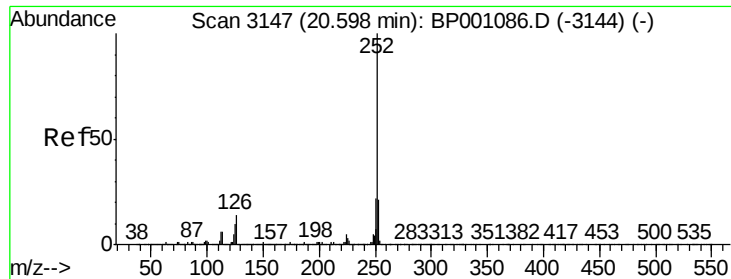
Delta R.T. -0.01 min

Lab File: BP001101.D

Acq: 28 Nov 2019 01:36

Tgt Ion:	252	Resp:	207882
Ion Ratio	Lower	Upper	
252	100		
253	21.4	17.4	26.0
125	10.7	8.1	12.1





#89

Benzo(k)fluoranthene

Concen: 2.111 ng/mL

RT: 20.58 min Scan# 3144

Delta R.T. -0.02 min

Lab File: BP001101.D

Acq: 28 Nov 2019 01:36

Instrument :

BNA_P

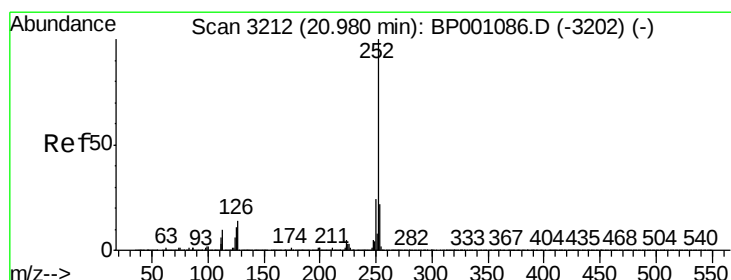
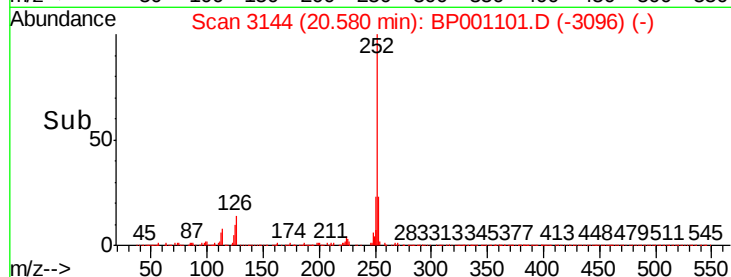
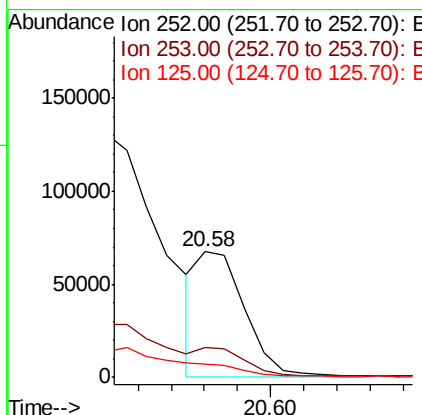
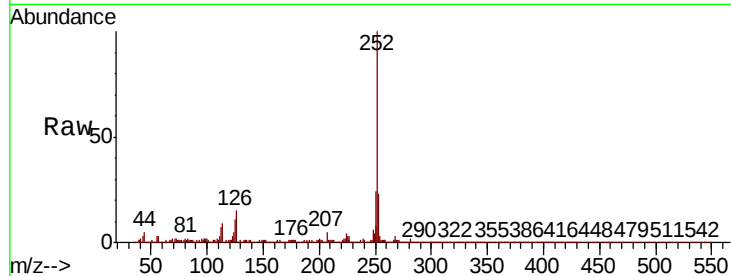
ClientSampleId :

WS-112119-0-2-COMP-B1

Tot Ion:	252	Resp:	67649
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.1	25.7
125	10.9	8.2	12.2

Manual Integrations
APPROVED

mohammad
11/29/2019 8:55:10 AM



#90

Benzo(a)pyrene

Concen: 4.923 ng/mL

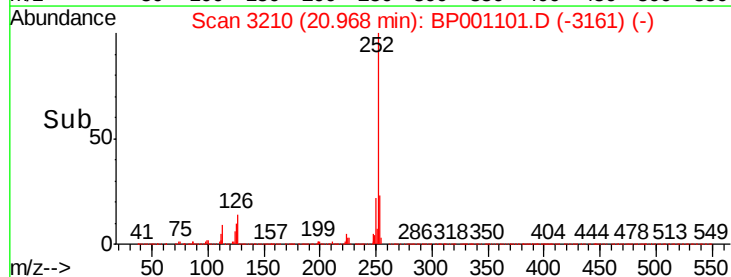
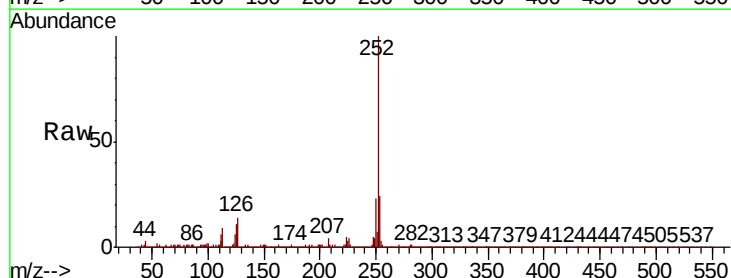
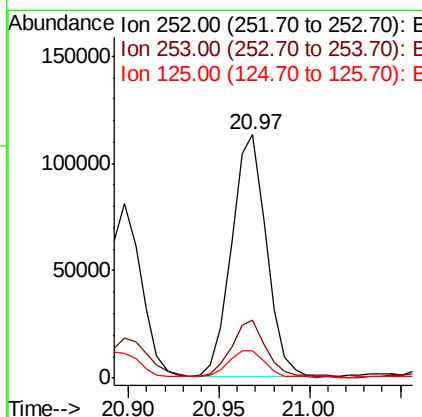
RT: 20.97 min Scan# 3210

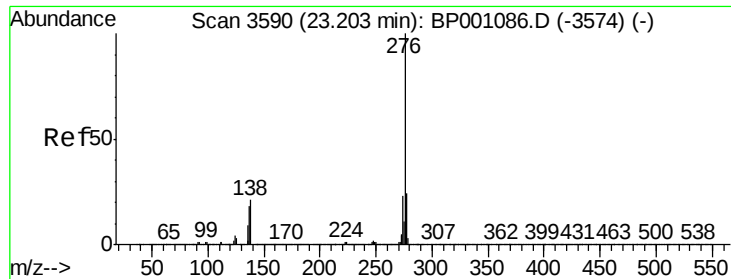
Delta R.T. -0.01 min

Lab File: BP001101.D

Acq: 28 Nov 2019 01:36

Tgt Ion:	252	Resp:	150877
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.4	26.0
125	11.0	8.7	13.1





#92
 Benzo(a,h,i)perylene
 Concen: 3.197 ng
 RT: 23.17 min Scan# 3584
 Delta R.T. -0.04 min
 Lab File: BP001101.D
 Acq: 28 Nov 2019 01:36

Instrument :
 BNA_P
 ClientSampleId :
 WS-112119-0-2-COMP-B1

Tot Ion:	276	Resp:	94698
Ion Ratio	Lower	Upper	
276	100		
277	25.2	19.2	28.8
138	24.8	17.2	25.8

Manual Integrations
 APPROVED

mohammad
 11/29/2019 8:55:10 AM

