

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP010920\
 Data File : BP001588.D
 Acq On : 09 Jan 2020 20:12
 Operator : JU
 Sample : L1060-13
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-3

Manual Integrations
 APPROVED

mohammad
 1/10/2020 1:07:54 PM

Quant Time: Jan 10 06:28:19 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 08 15:02:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	47300	20.00	ng	-0.01
21) Naphthalene-d8	10.43	136	182487	20.00	ng	-0.01
39) Acenaphthene-d10	14.30	164	124522	20.00	ng	-0.01
64) Phenanthrene-d10	17.06	188	275486	20.00	ng	-0.01
76) Chrysene-d12	21.17	240	177970	20.00	ng	0.00
87) Perylene-d12	23.47	264	180357	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	222875	92.30	ng	0.00
7) Phenol-d6	6.85	99	326018	84.48	ng	0.00
23) Nitrobenzene-d5	8.80	82	231842	55.52	ng	-0.01
42) 2,4,6-Tribromophenol	15.80	330	139653	73.68	ng	-0.01
45) 2-Fluorobiphenyl	12.92	172	441536	52.13	ng	-0.01
79) Terphenyl-d14	19.64	244	549944	56.52	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.80	77	5878	2.550	ng	Qvalue 94
10) Phenol	6.87	94	9853	2.468	ng	81
50) Dimethylphthalate	13.76	163	53720	5.238	ng	98
75) Fluoranthene	19.08	202	55303	2.805	ng	98
78) Pyrene	19.43	202	52516	4.017	ng	97
81) Benzo(a)anthracene	21.16	228	25125	2.027	ng	# 86
83) Chrysene	21.21	228	27889	2.309	ng	# 87
89) Benzo(k)fluoranthene	22.79	252	25016m	2.258	ng	

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

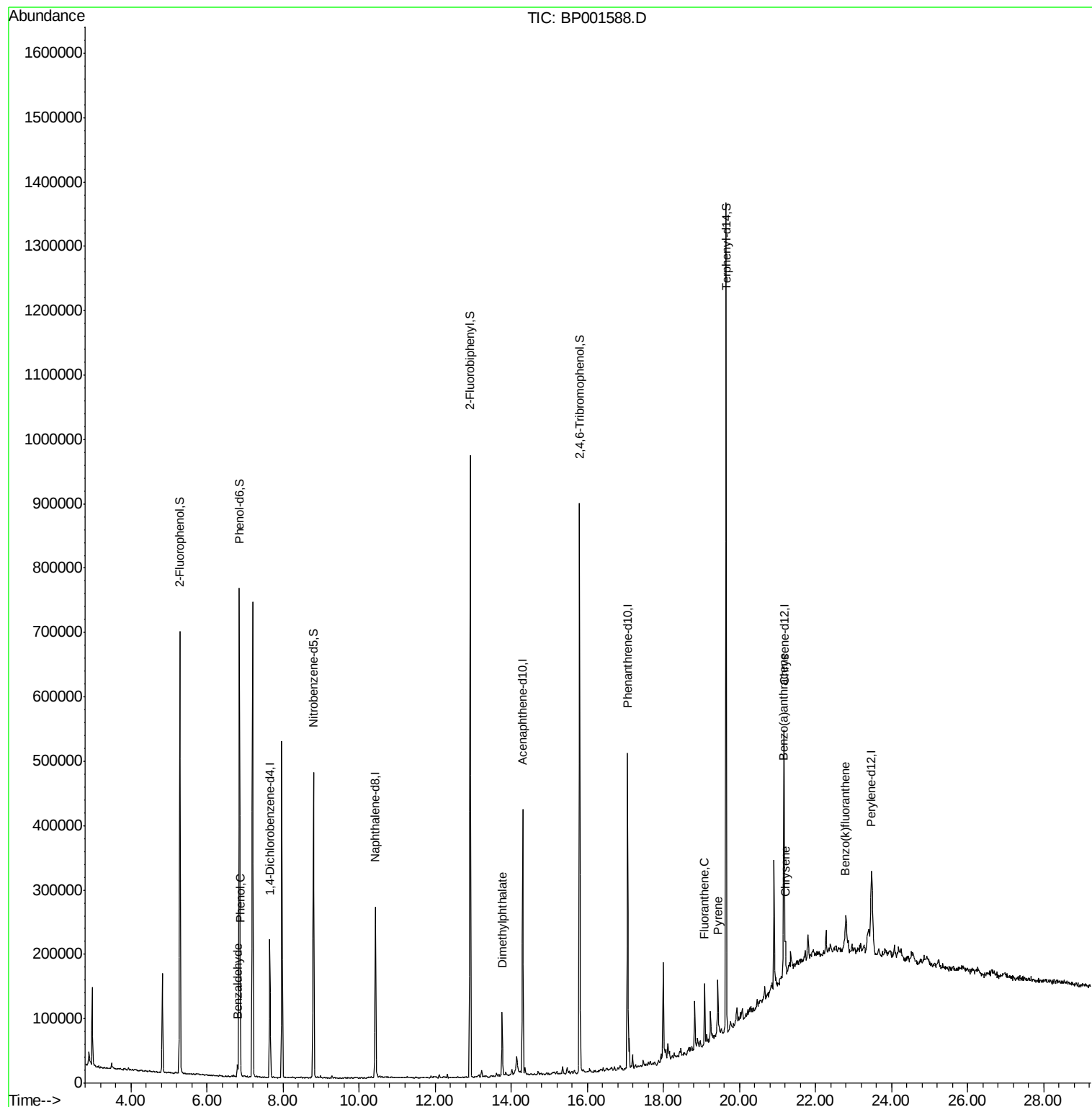
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP010920\
Data File : BP001588.D
Acq On : 09 Jan 2020 20:12
Operator : JU
Sample : L1060-13
Misc :
ALS Vial : 15 Sample Multiplier: 1

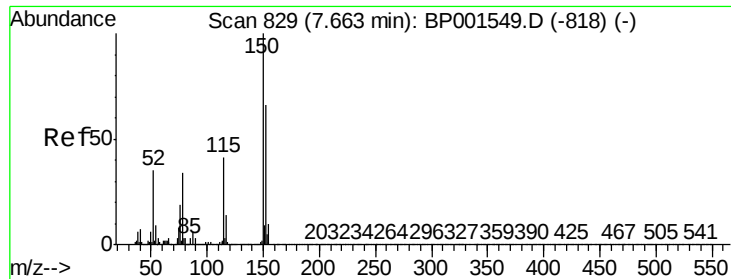
Instrument :
BNA_P
ClientSampleId :
TP-3

Manual Integrations
APPROVED

mohammad
1/10/2020 1:07:54 PM

Quant Time: Jan 10 06:28:19 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 08 15:02:19 2020
Response via : Initial Calibration





#1

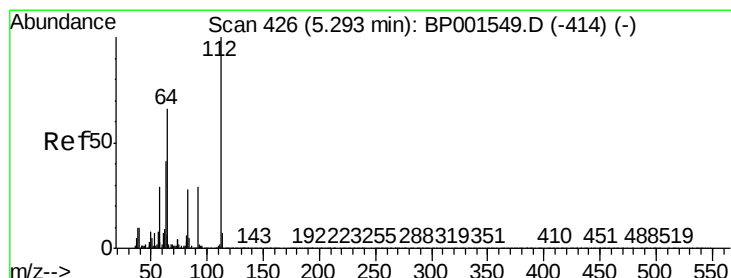
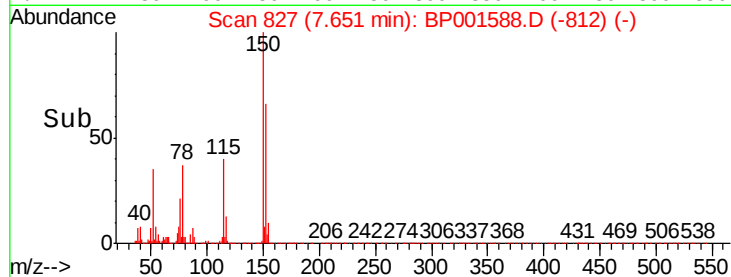
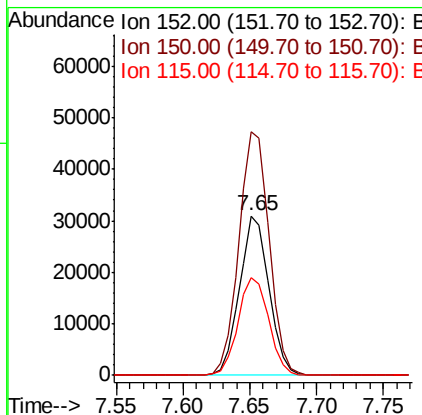
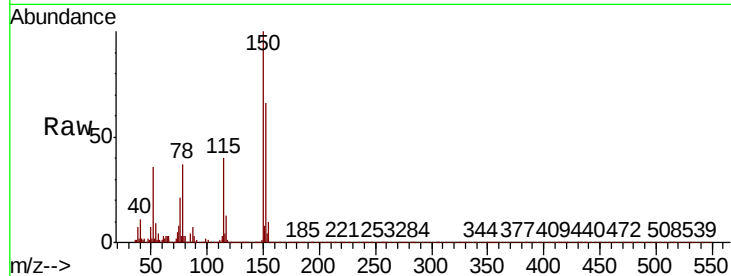
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.65 min Scan# 827
Delta R.T. -0.01 min
Lab File: BP001588.D
Acq: 09 Jan 2020 20:12

Instrument :
BNA_P
ClientSampleId :
TP-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.5	122.0	183.0
115	61.4	50.7	76.1

Manual Integrations
APPROVED

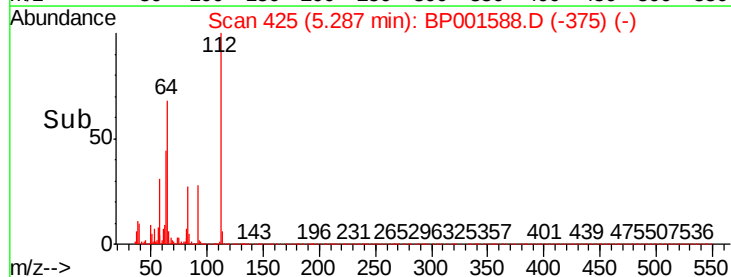
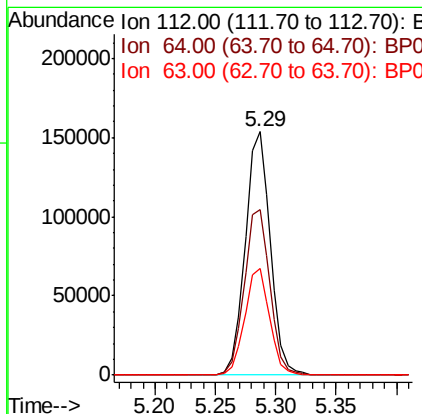
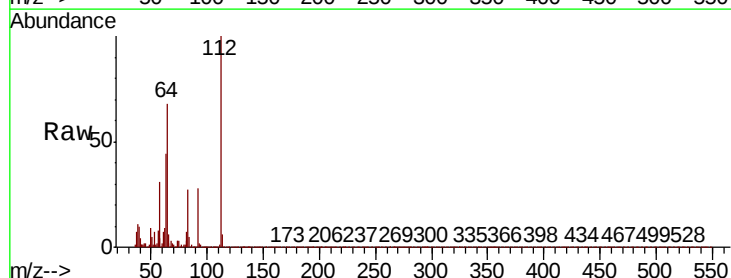
mohammad
1/10/2020 1:07:54 PM

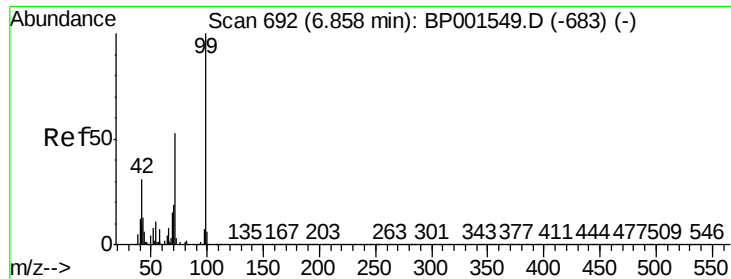


#5

2-Fluorophenol
Concen: 92.302 ng
RT: 5.29 min Scan# 425
Delta R.T. -0.01 min
Lab File: BP001588.D
Acq: 09 Jan 2020 20:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.8	52.8	79.2
63	43.9	33.1	49.7





#7

Phenol-d6

Concen: 84.482 ng

RT: 6.85 min Scan# 691

Delta R.T. -0.01 min

Lab File: BP001588.D

Acq: 09 Jan 2020 20:12

Instrument :

BNA_P

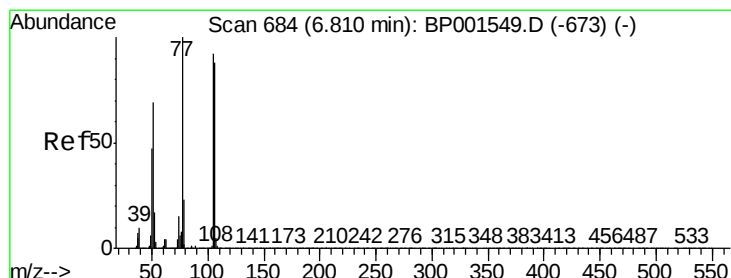
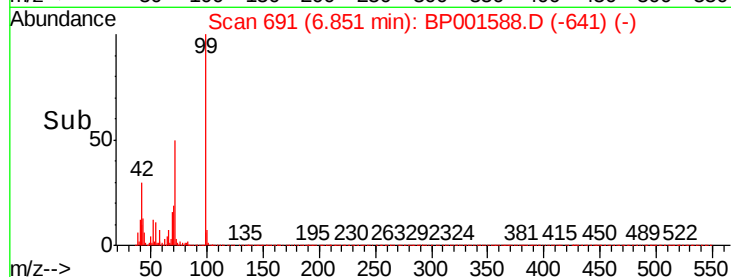
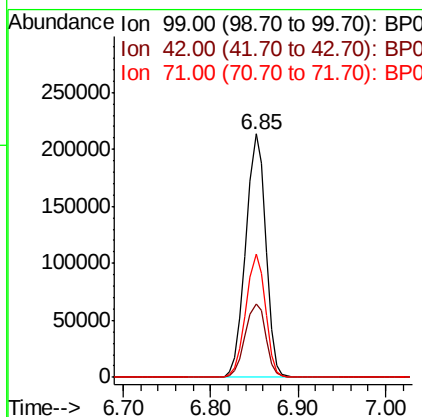
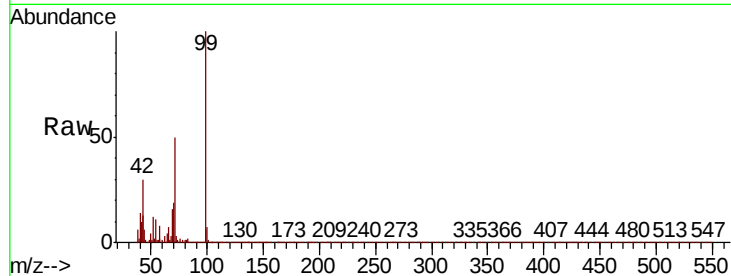
ClientSampled :

TP-3

Tot Ion:	99	Resp:	326018
Ion Ratio	Lower	Upper	
99	100		
42	30.3	24.5	36.7
71	50.4	42.4	63.6

Manual Integrations
APPROVED

mohammad
1/10/2020 1:07:54 PM



#9

Benzaldehyde

Concen: 2.550 ng

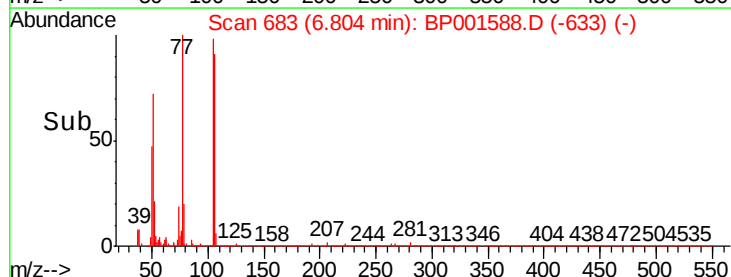
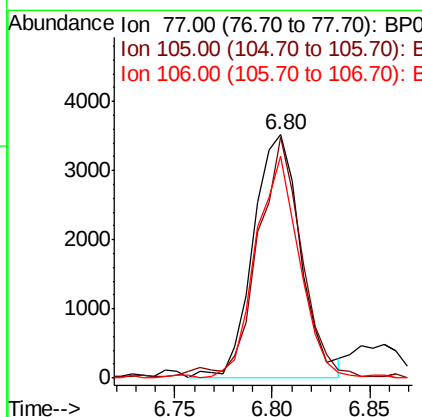
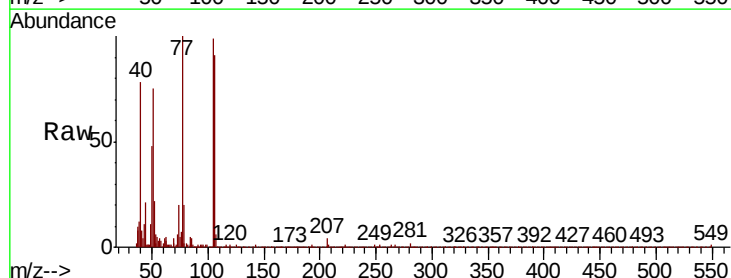
RT: 6.80 min Scan# 683

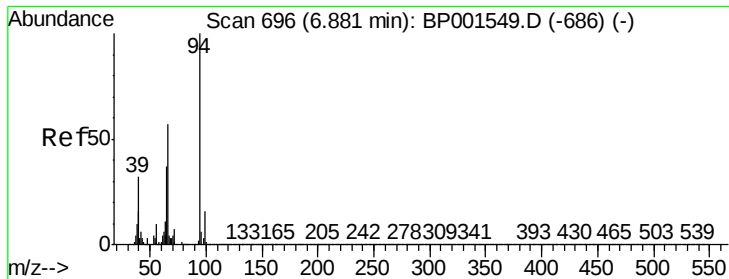
Delta R.T. -0.01 min

Lab File: BP001588.D

Acq: 09 Jan 2020 20:12

Tgt Ion:	77	Resp:	5878
Ion Ratio	Lower	Upper	
77	100		
105	99.1	71.6	111.6
106	91.1	67.7	107.7





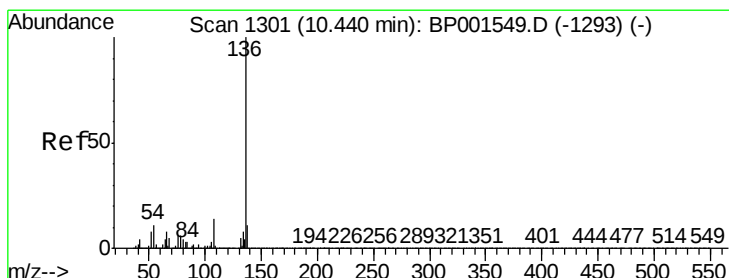
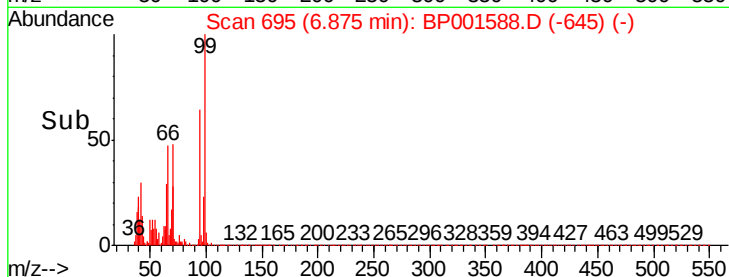
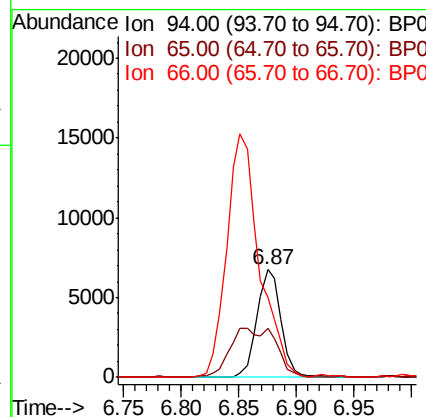
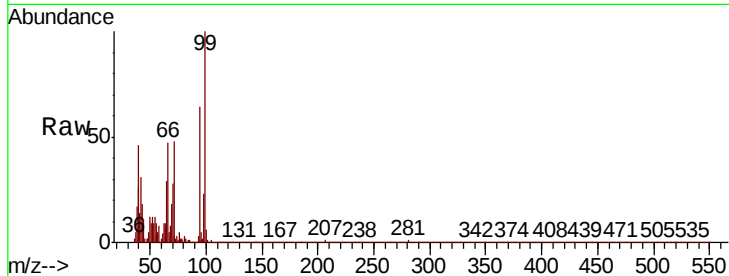
#10
Phenol
Concen: 2.468 ng
RT: 6.87 min Scan# 695
Delta R.T. -0.01 min
Lab File: BP001588.D
Acq: 09 Jan 2020 20:12

Instrument :
BNA_P
ClientSampleId :
TP-3

Tot Ion:	94	Resp:	9853
Ion Ratio	Lower	Upper	
94	100		
65	45.1	17.5	57.5
66	73.6	36.7	76.7

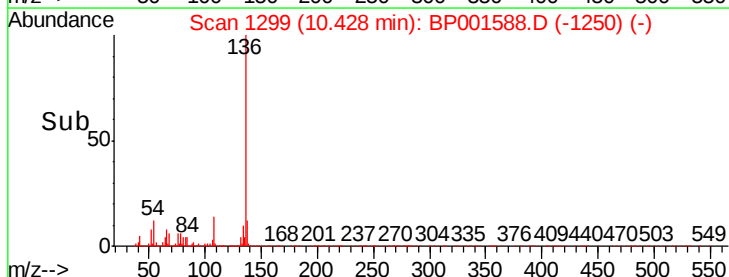
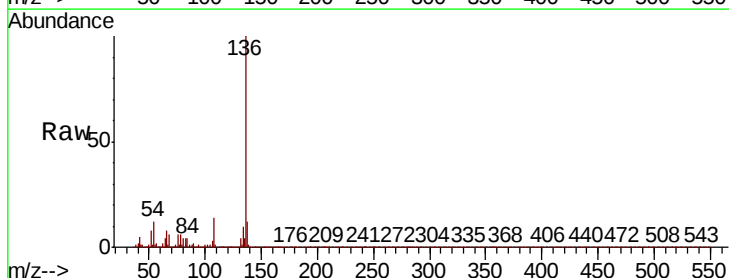
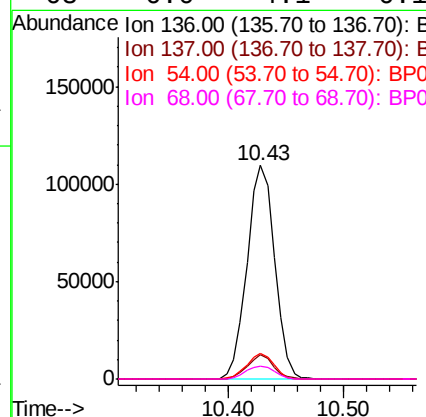
Manual Integrations
APPROVED

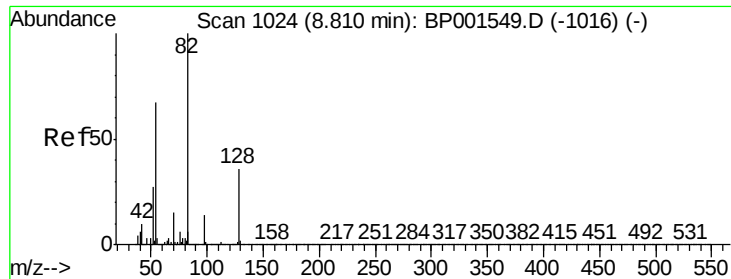
mohammad
1/10/2020 1:07:54 PM



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.43 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BP001588.D
Acq: 09 Jan 2020 20:12

Tgt Ion:	136	Resp:	182487
Ion Ratio	Lower	Upper	
136	100		
137	11.7	8.6	12.8
54	12.0	9.2	13.8
68	6.0	4.1	6.1





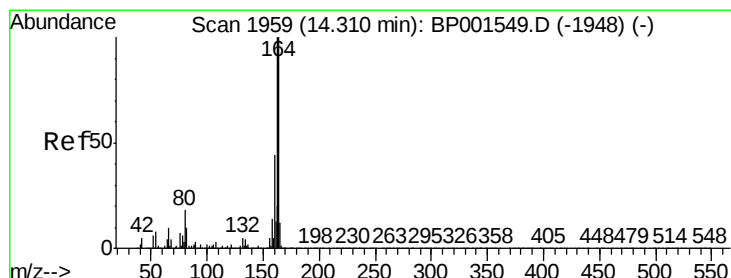
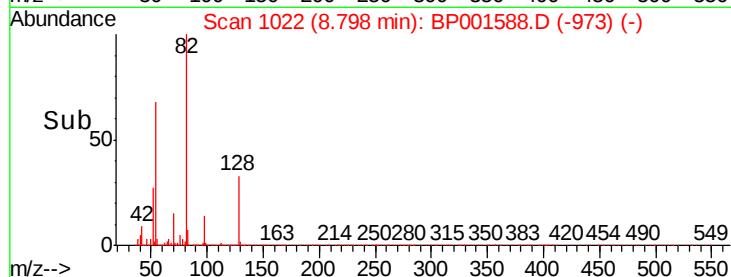
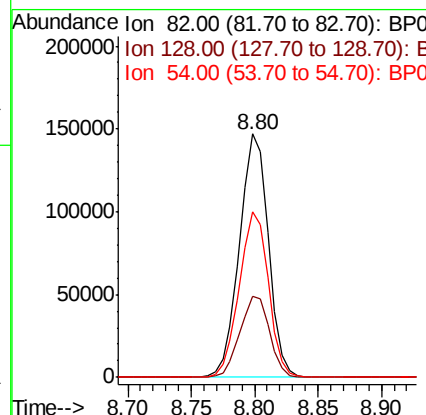
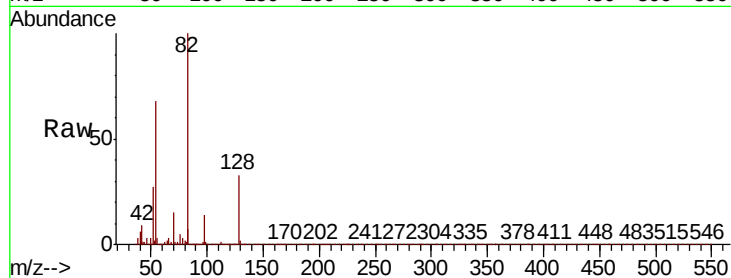
#23
 Nitrobenzene-d5
 Concen: 55.516 ng
 RT: 8.80 min Scan# 1022
 Delta R.T. -0.01 min
 Lab File: BP001588.D
 Acq: 09 Jan 2020 20:12

Instrument :
 BNA_P
 ClientSampleId :
 TP-3

Tot Ion	Ratio	Lower	Upper
82	100		
128	33.0	28.4	42.6
54	67.9	53.4	80.2

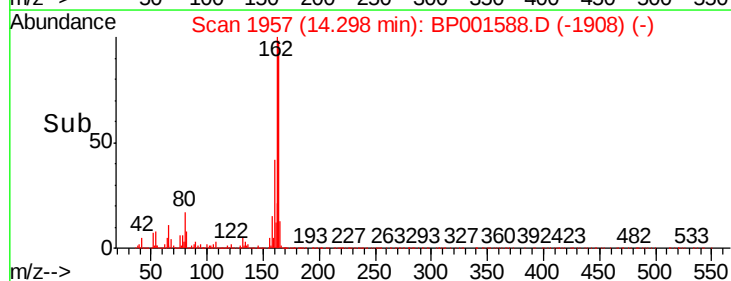
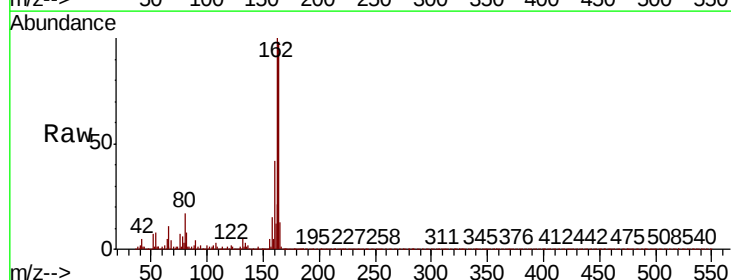
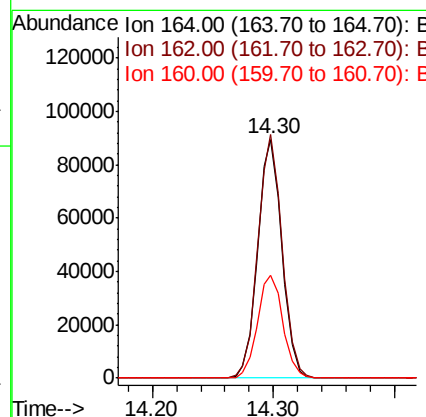
Manual Integrations
 APPROVED

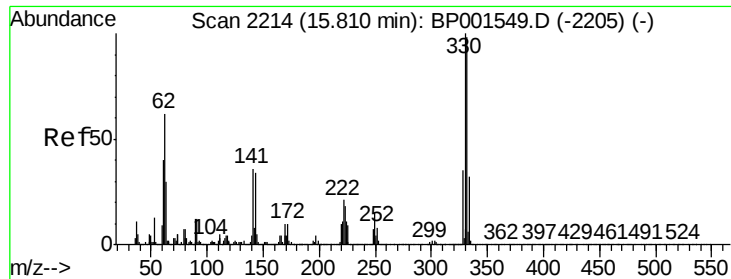
mohammad
 1/10/2020 1:07:54 PM



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.30 min Scan# 1957
 Delta R.T. -0.01 min
 Lab File: BP001588.D
 Acq: 09 Jan 2020 20:12

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.1	79.8	119.6
160	43.0	35.0	52.6





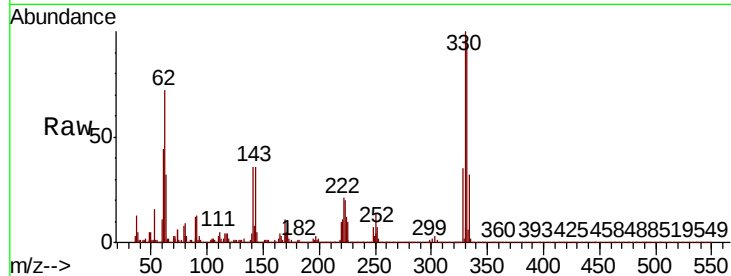
#42
2,4,6-Tribromophenol
Concen: 73.677 ng
RT: 15.80 min Scan# 2212
Delta R.T. -0.01 min
Lab File: BP001588.D
Acq: 09 Jan 2020 20:12

Instrument :
BNA_P
ClientSampled :
TP-3

Tot Ion	Ratio	Resp	Lower	Upper
330	100	139653		
332	96.6	77.8	116.6	
141	36.0	28.7	43.1	

Manual Integrations
APPROVED

mohammad
1/10/2020 1:07:54 PM

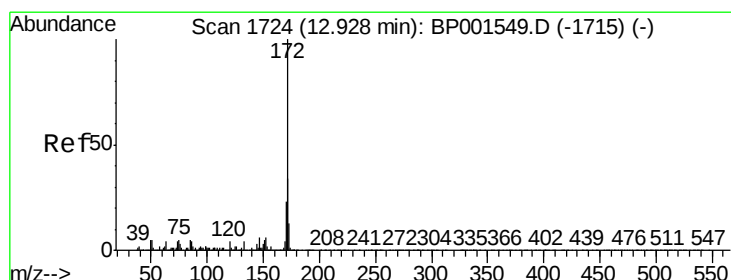
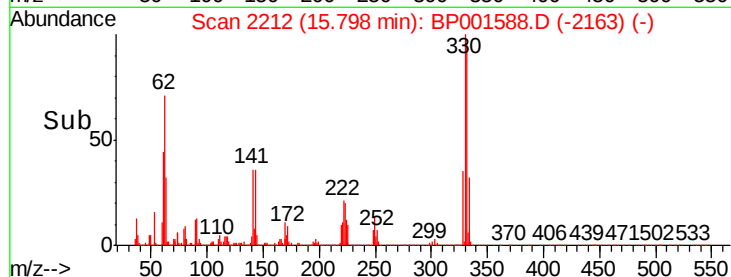
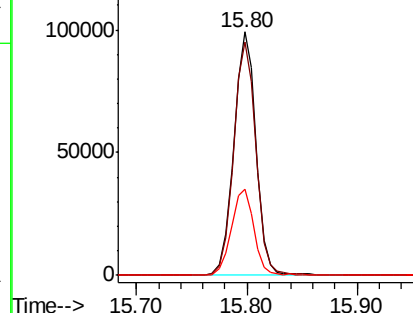


Abundance

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: 52.134 ng
RT: 12.92 min Scan# 1722
Delta R.T. -0.01 min
Lab File: BP001588.D
Acq: 09 Jan 2020 20:12

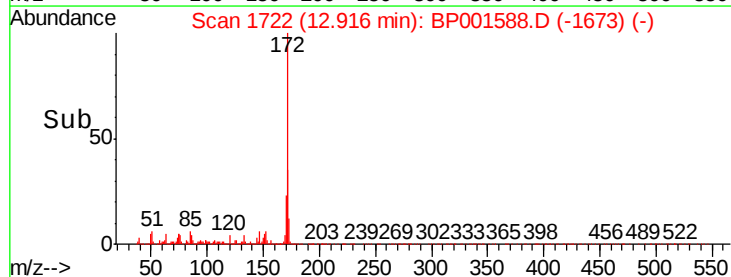
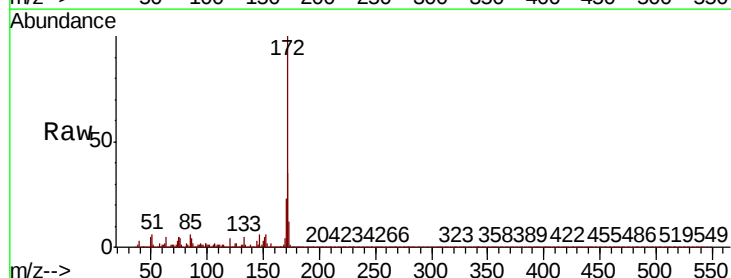
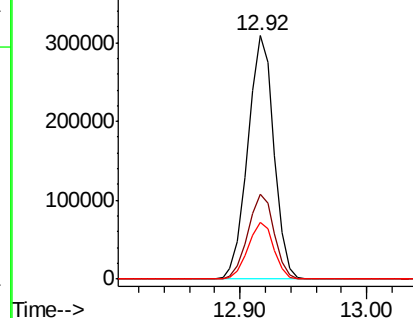
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	441536		
171	35.0	27.6	41.4	
170	23.4	18.3	27.5	

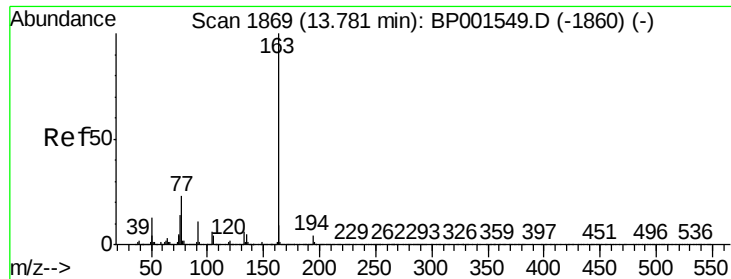
Abundance

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





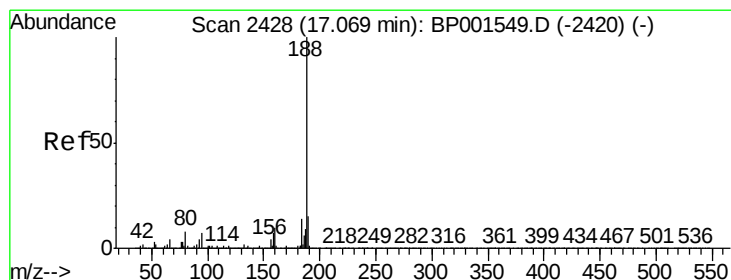
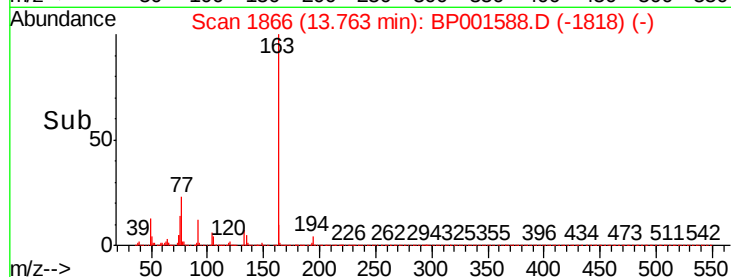
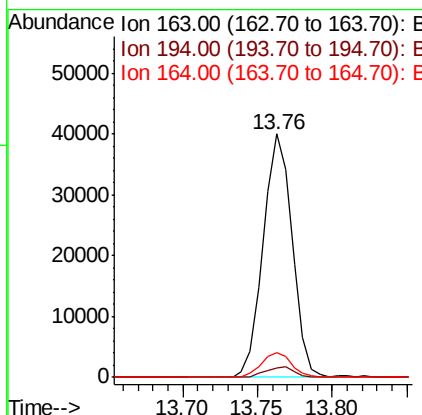
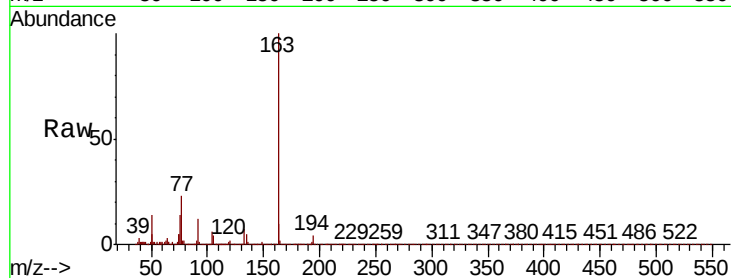
#50
Dimethylphthalate
Concen: 5.238 ng
RT: 13.76 min Scan# 1866
Delta R.T. -0.02 min
Lab File: BP001588.D
Acq: 09 Jan 2020 20:12

Instrument :
BNA_P
ClientSampled :
TP-3

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.6	5.4
164	10.2	7.5	11.3

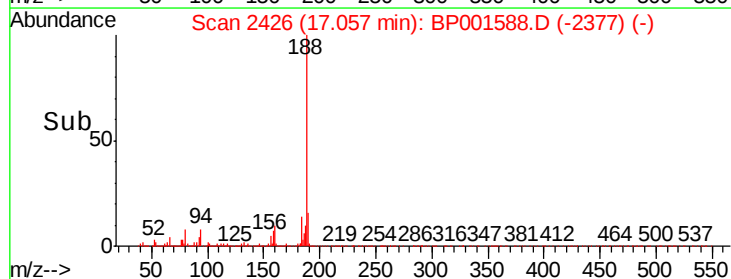
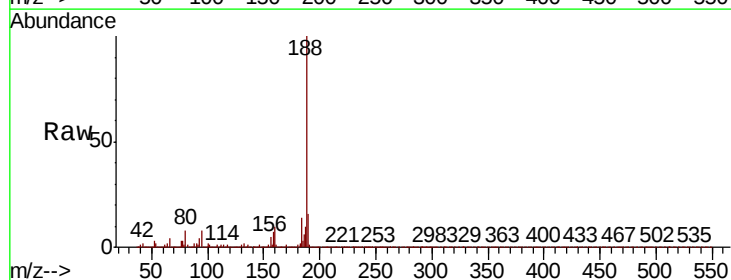
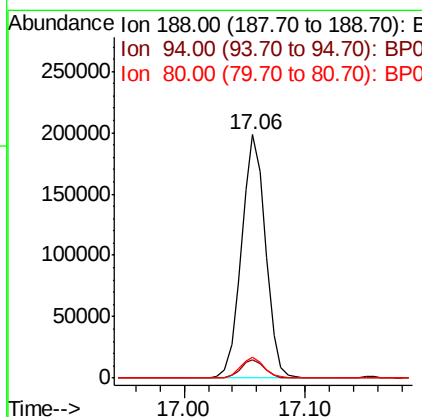
Manual Integrations
APPROVED

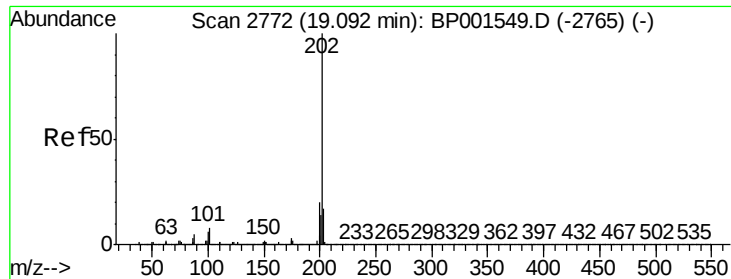
mohammad
1/10/2020 1:07:54 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.06 min Scan# 2426
Delta R.T. -0.01 min
Lab File: BP001588.D
Acq: 09 Jan 2020 20:12

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.7	5.9	8.9
80	8.4	6.8	10.2





#75

Fluoranthene

Concen: 2.805 ng

RT: 19.08 min Scan# 2770

Delta R.T. -0.01 min

Lab File: BP001588.D

Acq: 09 Jan 2020 20:12

Instrument :

BNA_P

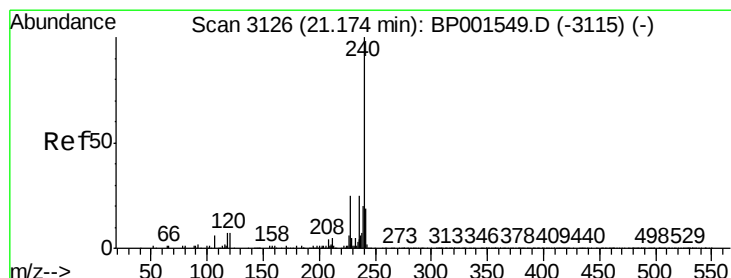
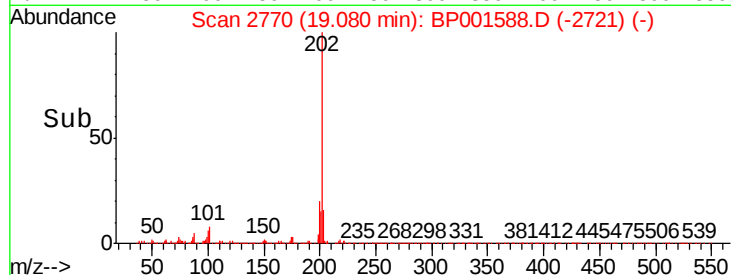
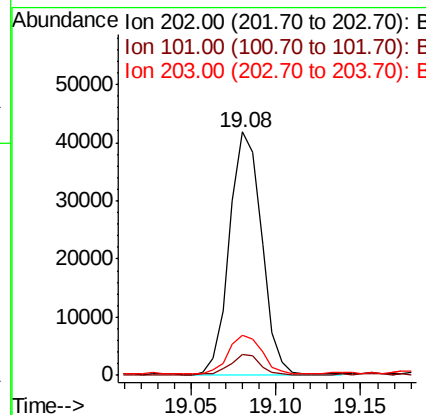
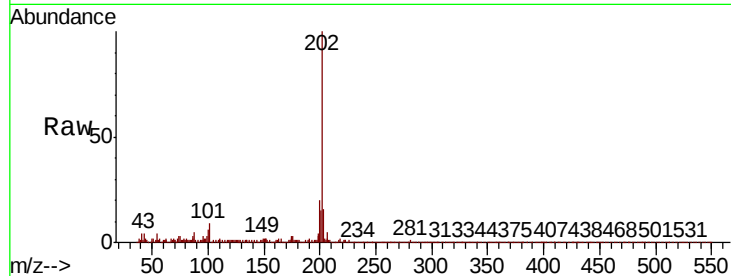
ClientSampled :

TP-3

Tot Ion:	202	Resp:	55303
Ion Ratio	Lower	Upper	
202	100		
101	8.5	0.0	28.4
203	16.3	0.0	37.4

Manual Integrations
APPROVED

mohammad
1/10/2020 1:07:54 PM



#76

Chrysene-d12

Concen: 20.000 ng

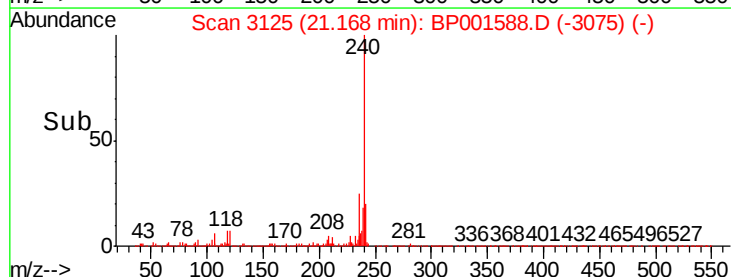
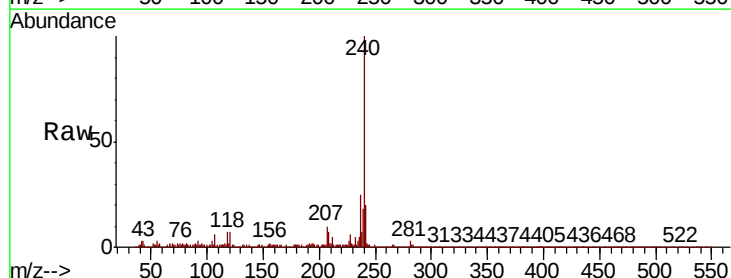
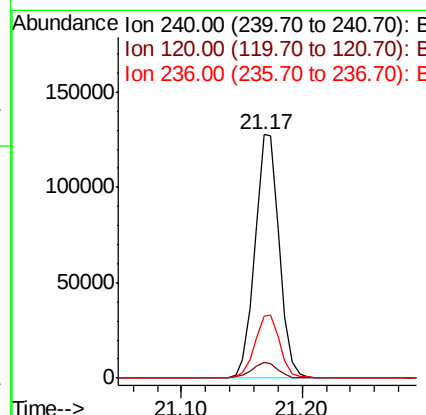
RT: 21.17 min Scan# 3125

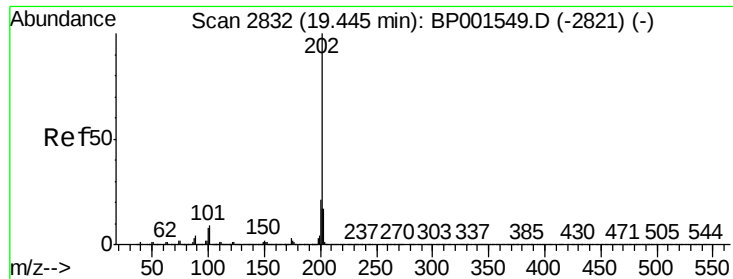
Delta R.T. -0.01 min

Lab File: BP001588.D

Acq: 09 Jan 2020 20:12

Tgt Ion:	240	Resp:	177970
Ion Ratio	Lower	Upper	
240	100		
120	6.7	5.7	8.5
236	25.4	20.4	30.6





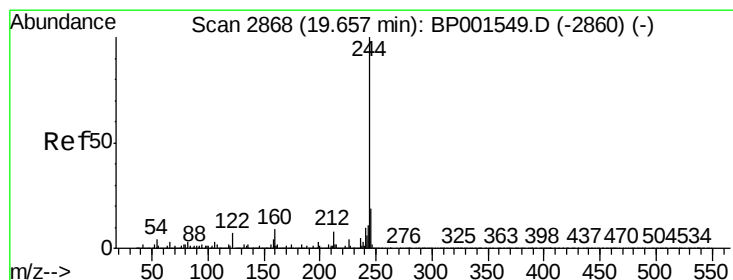
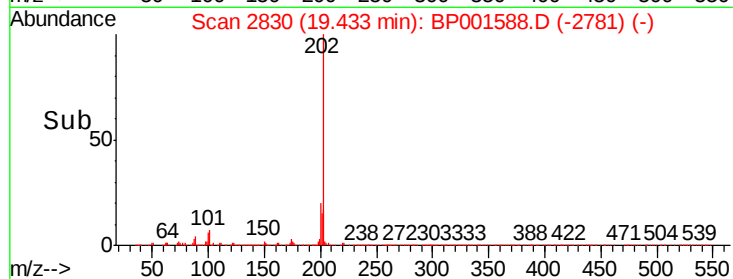
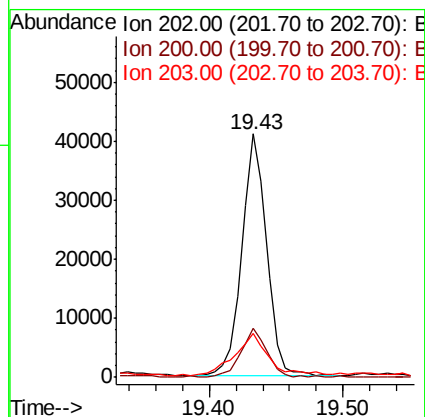
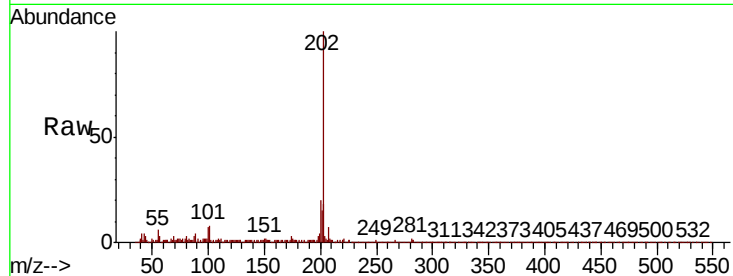
#78
Pvrene
Concen: 4.017 ng
RT: 19.43 min Scan# 2830
Delta R.T. -0.01 min
Lab File: BP001588.D
Acq: 09 Jan 2020 20:12

Instrument :
BNA_P
ClientSampled :
TP-3

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	19.9	17.0	25.6
203	18.1	13.7	20.5

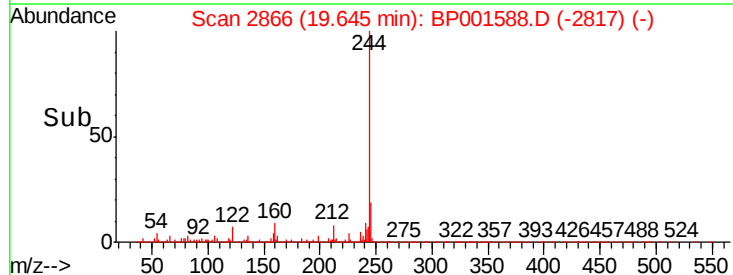
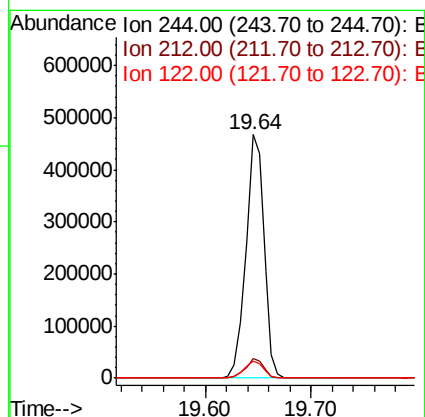
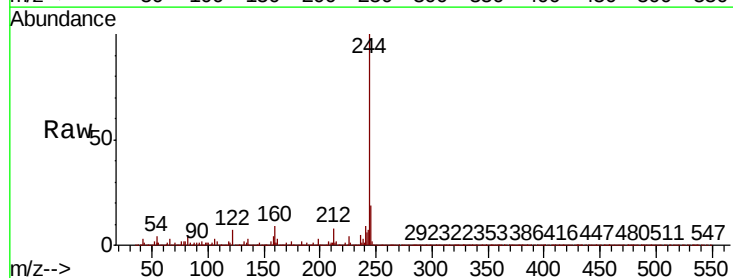
Manual Integrations
APPROVED

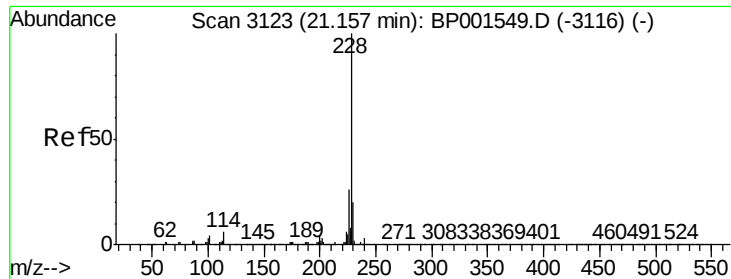
mohammad
1/10/2020 1:07:54 PM



#79
Terphenyl-d14
Concen: 56.519 ng
RT: 19.64 min Scan# 2866
Delta R.T. -0.01 min
Lab File: BP001588.D
Acq: 09 Jan 2020 20:12

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	8.3	6.3	9.5
122	6.9	5.8	8.6





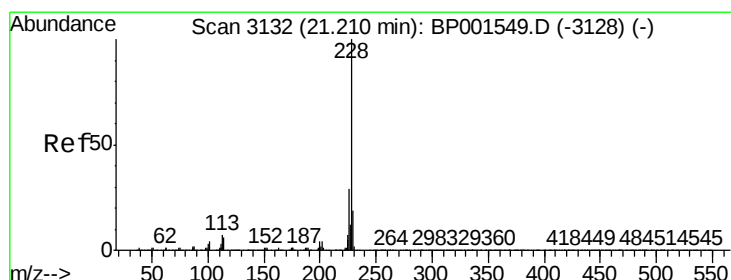
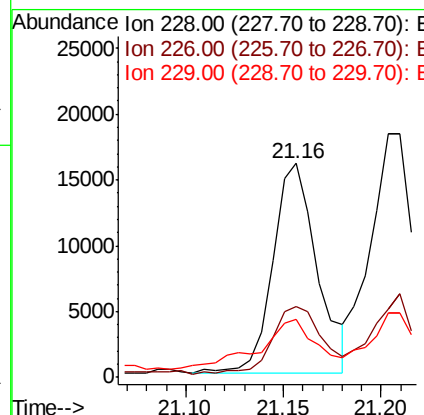
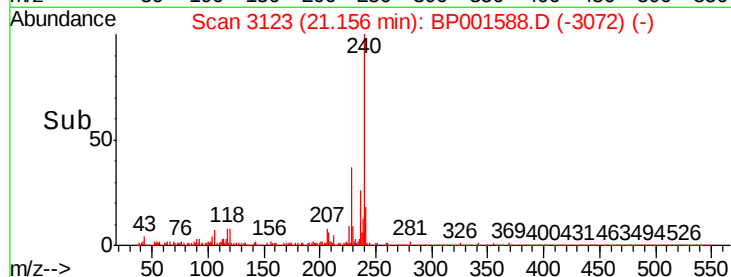
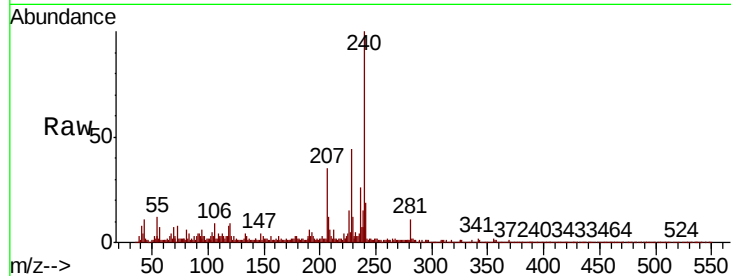
#81
Benzo(a)anthracene
Concen: 2.027 ng
RT: 21.16 min Scan# 3123
Delta R.T. -0.00 min
Lab File: BP001588.D
Acq: 09 Jan 2020 20:12

Instrument :
BNA_P
ClientSampled :
TP-3

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.9	21.2	31.8#
229	27.1	16.1	24.1#

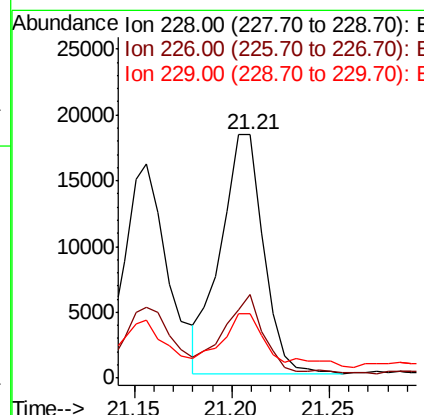
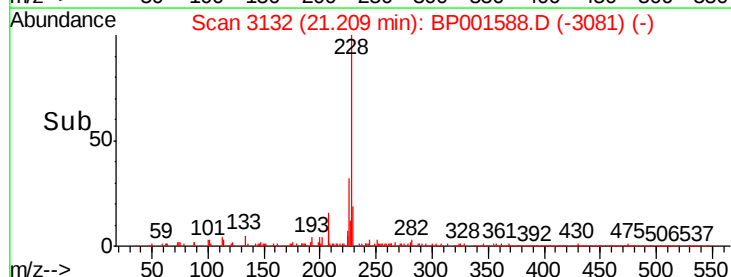
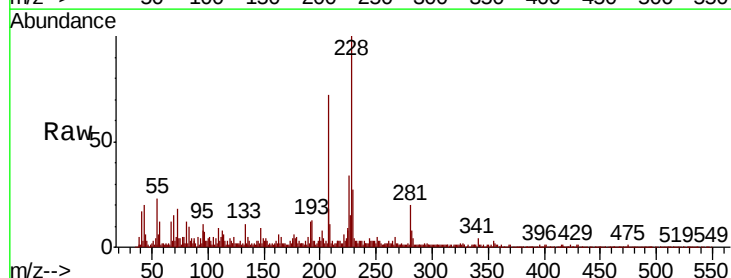
Manual Integrations
APPROVED

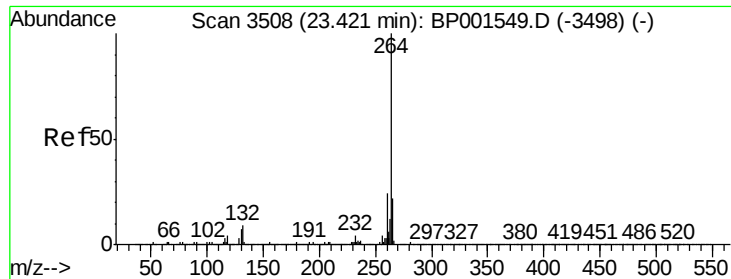
mohammad
1/10/2020 1:07:54 PM



#83
Chrysene
Concen: 2.309 ng
RT: 21.21 min Scan# 3132
Delta R.T. -0.00 min
Lab File: BP001588.D
Acq: 09 Jan 2020 20:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.3	23.2	34.8
229	26.5	15.2	22.8#





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.47 min Scan# 3517

Delta R.T. 0.05 min

Lab File: BP001588.D

Acq: 09 Jan 2020 20:12

Instrument :

BNA_P

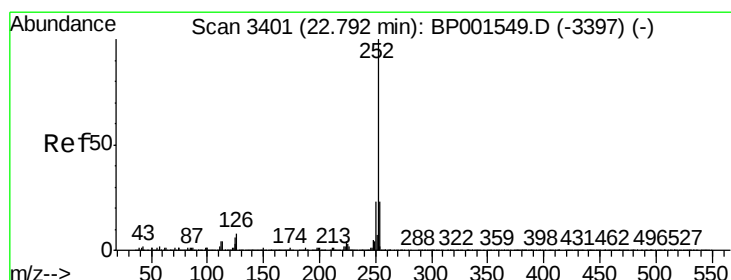
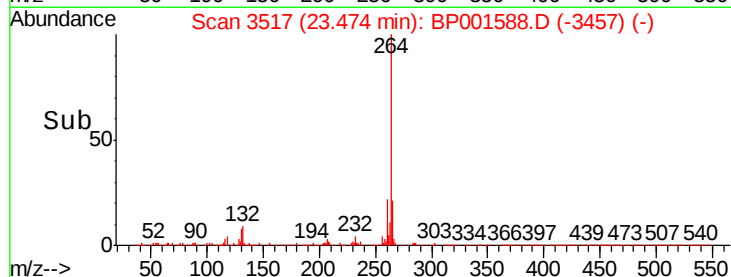
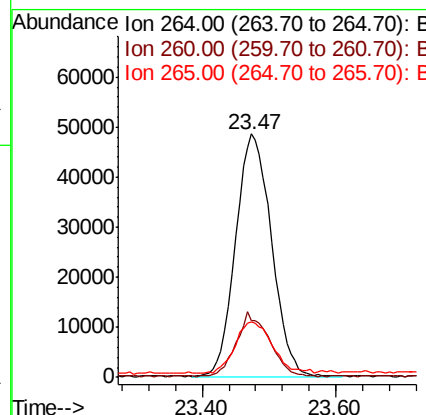
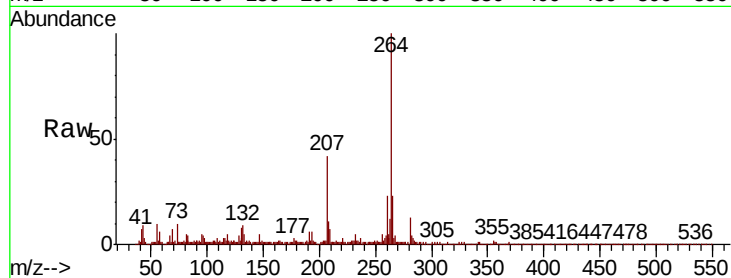
ClientSampled :

TP-3

Tot Ion:	264	Resp:	180357
Ion Ratio	Lower	Upper	
264	100		
260	23.2	19.0	28.6
265	22.8	18.2	27.4

Manual Integrations
APPROVED

mohammad
1/10/2020 1:07:54 PM



#89

Benzo(k)fluoranthene

Concen: 2.258 ng m

RT: 22.79 min Scan# 3400

Delta R.T. -0.01 min

Lab File: BP001588.D

Acq: 09 Jan 2020 20:12

Tgt Ion:	252	Resp:	25016
Ion Ratio	Lower	Upper	
252	100		
253	30.2	18.2	27.2#
125	12.7	4.6	6.8#

