

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122419\
 Data File : BP001410.D
 Acq On : 25 Dec 2019 06:49
 Operator : JU
 Sample : K6401-01DL 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 C0B37DL

Manual Integrations
 APPROVED

mohammad
 12/26/2019 4:02:00 PM

Quant Time: Dec 30 07:25:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP121919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 24 16:04:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.32	152	38252	20.00	ng	0.03
21) Naphthalene-d8	10.33	136	119112	20.00	ng	0.00
39) Acenaphthene-d10	13.18	164	68172	20.00	ng	0.00
64) Phenanthrene-d10	15.58	188	125797	20.00	ng	0.00
76) Chrysene-d12	19.23	240	101726	20.00	ng	0.00
87) Perylene-d12	21.00	264	108732	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.20	112	51068	21.58	ng	0.00
7) Phenol-d6	7.75	99	77394	25.06	ng	0.00
23) Nitrobenzene-d5	9.18	82	56865	18.33	ng	0.00
42) 2,4,6-Tribromophenol	14.47	330	12653	14.85	ng	0.00
45) 2-Fluorobiphenyl	12.10	172	65084	12.07	ng	0.00
79) Terphenyl-d14	17.86	244	71095	11.97	ng	0.00
Target Compounds						
12) 1,3-Dichlorobenzene	8.22	146	10650	3.593	ng	91
13) 1,4-Dichlorobenzene	8.35	146	15548	5.149	ng	# 61
14) 1,2-Dichlorobenzene	8.58	146	29533	10.266	ng	# 10
27) 2,4-Dimethylphenol	9.82	122	8169m	5.102	ng	
31) Naphthalene	10.36	128	163902	25.208	ng	99
37) 2-Methylnaphthalene	11.49	142	11441	2.549	ng	99
50) Dimethylphthalate	12.77	163	13065	2.336	ng	# 96

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

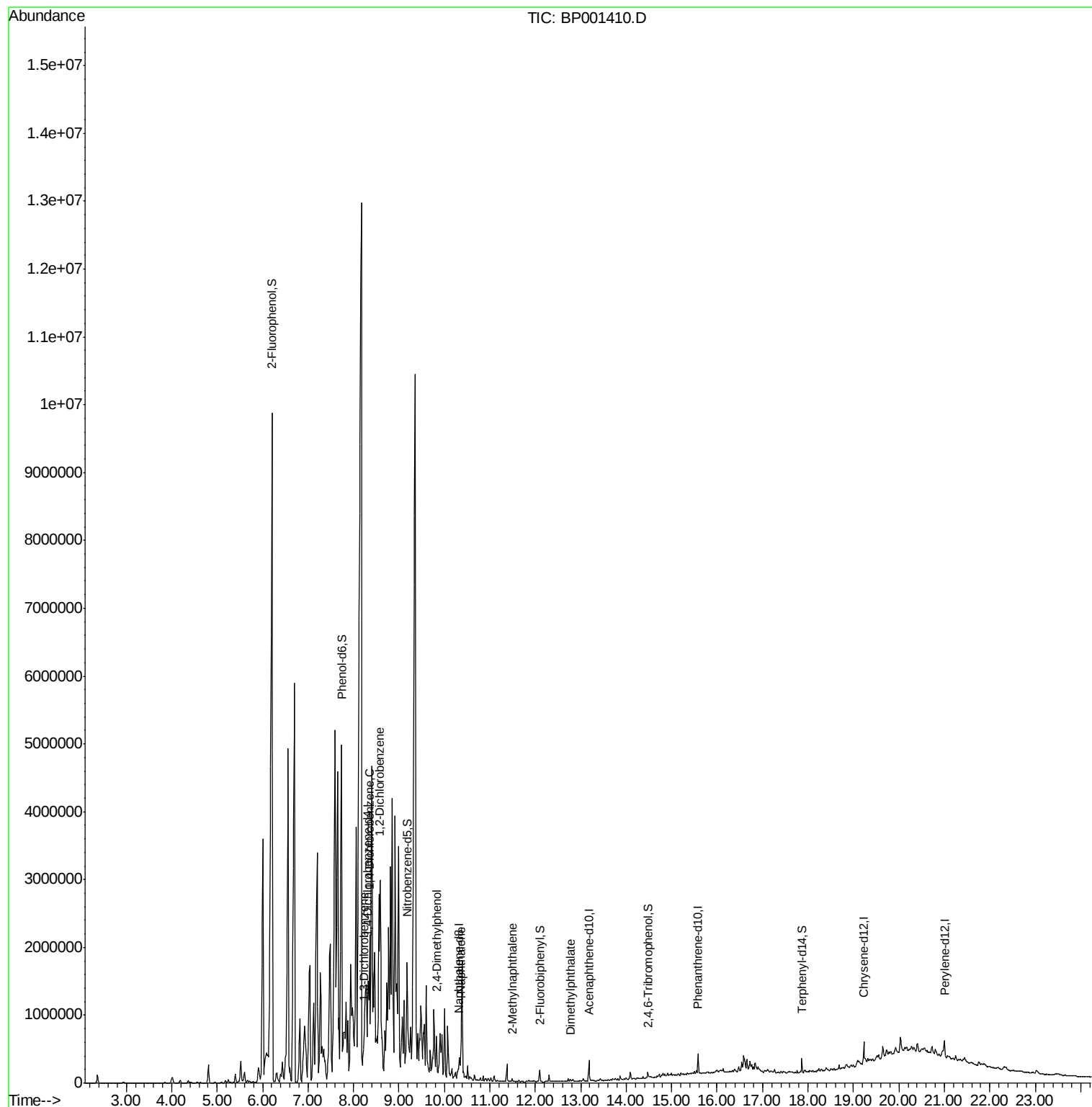
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122419\
Data File : BP001410.D
Acq On : 25 Dec 2019 06:49
Operator : JU
Sample : K6401-01DL 5X
Misc :
ALS Vial : 26 Sample Multiplier: 1

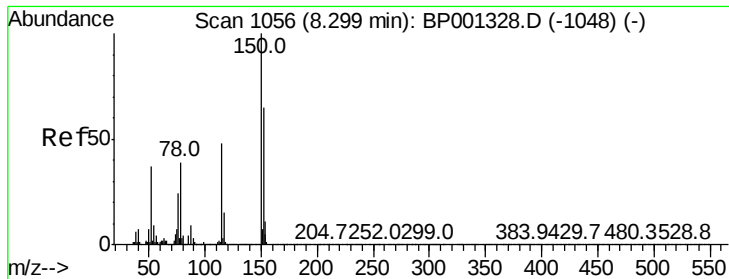
Instrument :
BNA_P
ClientSampleId :
C0B37DL

Manual Integrations
APPROVED

mohammad
12/26/2019 4:02:00 PM

Quant Time: Dec 30 07:25:01 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP121919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 24 16:04:49 2019
Response via : Initial Calibration





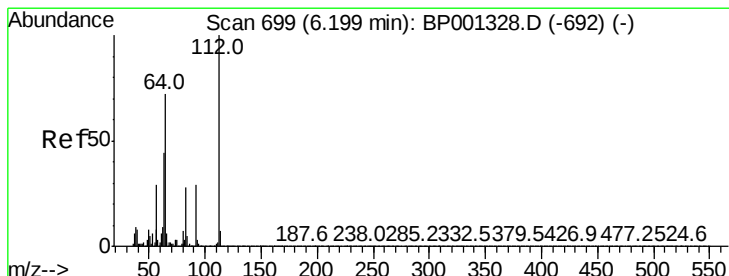
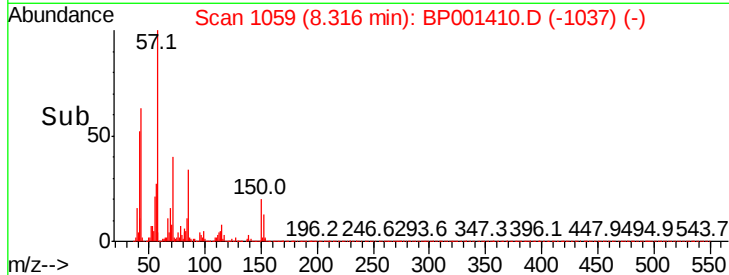
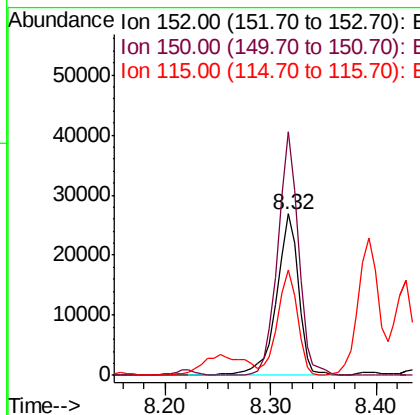
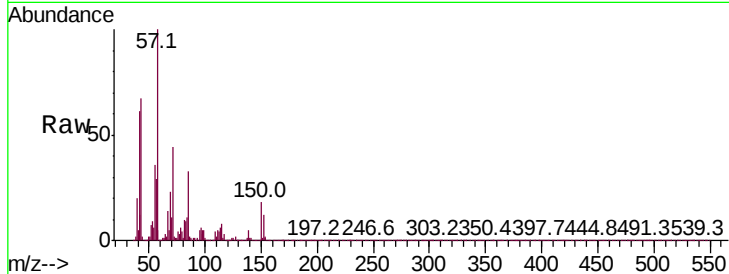
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.32 min Scan# 1059
Delta R.T. 0.03 min
Lab File: BP001410.D
Acq: 25 Dec 2019 06:49

Instrument :
BNA_P
ClientSampleId :
C0B37DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.7	127.0	190.6
115	64.9	56.1	84.1

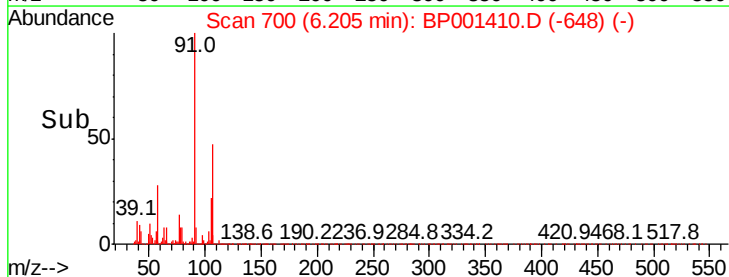
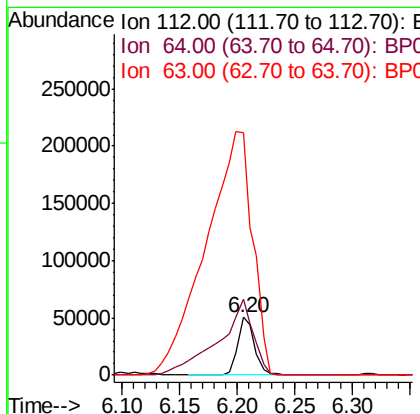
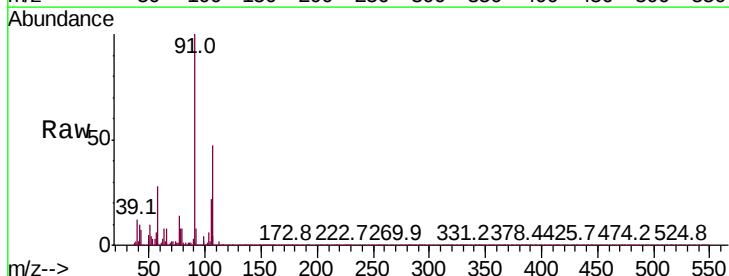
Manual Integrations
APPROVED

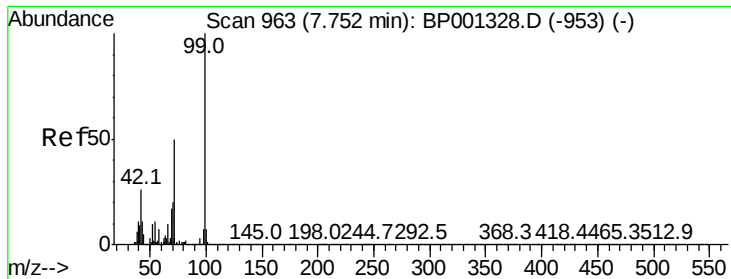
mohammad
12/26/2019 4:02:00 PM



#5
2-Fluorophenol
Concen: 21.577 ng
RT: 6.20 min Scan# 700
Delta R.T. 0.01 min
Lab File: BP001410.D
Acq: 25 Dec 2019 06:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	131.5	53.9	80.9#
63	417.7	33.4	50.0#





#7

Phenol-d6

Concen: 25.060 ng

RT: 7.75 min Scan# 962

Delta R.T. -0.01 min

Lab File: BP001410.D

Acq: 25 Dec 2019 06:49

Instrument :

BNA_P

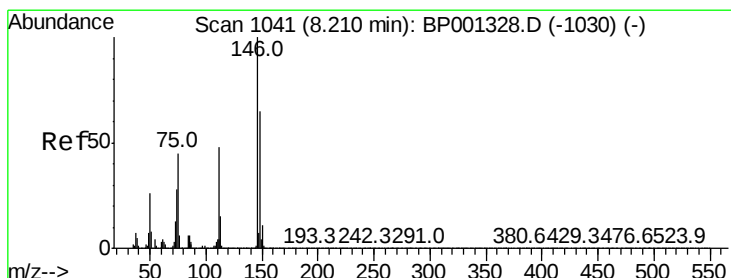
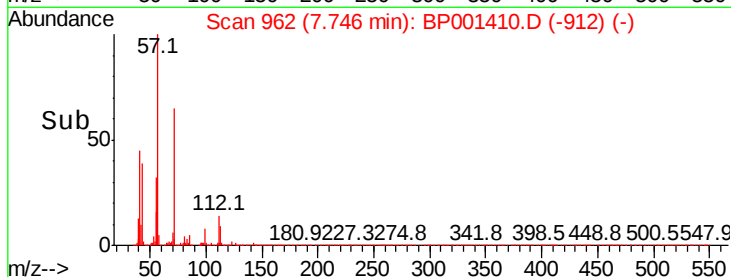
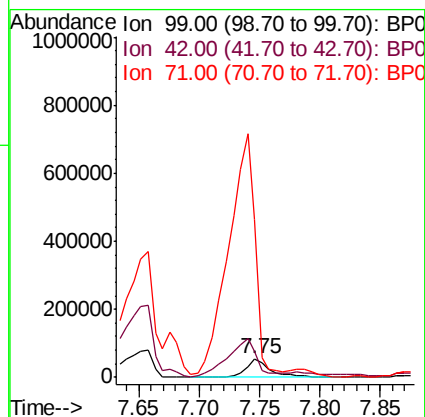
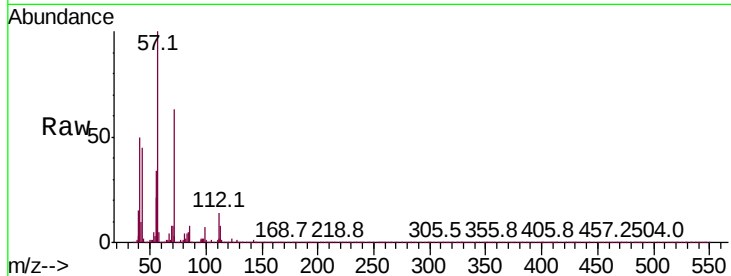
ClientSampled :

C0B37DL

Tot Ion:	99	Resp:	77394
Ion Ratio	Lower	Upper	
99	100		
42	143.1	20.8	31.2#
71	857.3	38.2	57.4#

Manual Integrations
APPROVED

mohammad
12/26/2019 4:02:00 PM



#12

1,3-Dichlorobenzene

Concen: 3.593 ng

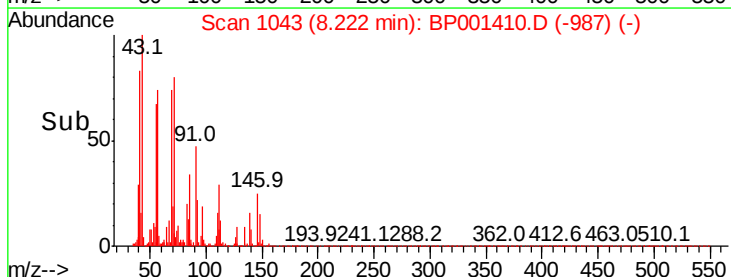
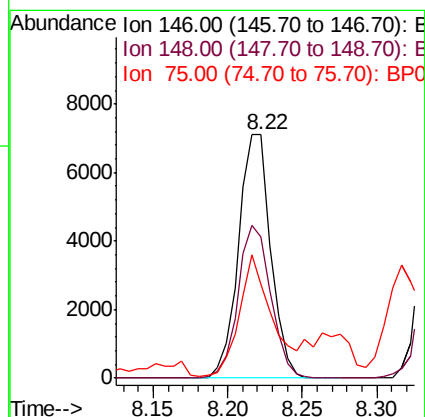
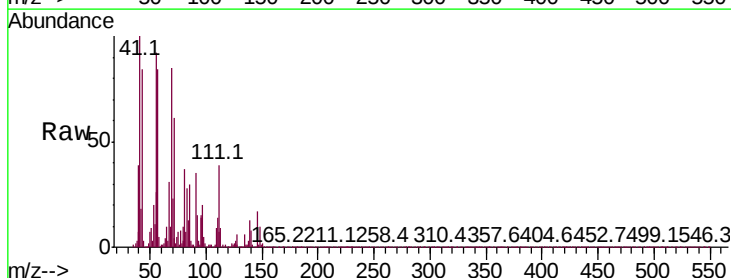
RT: 8.22 min Scan# 1043

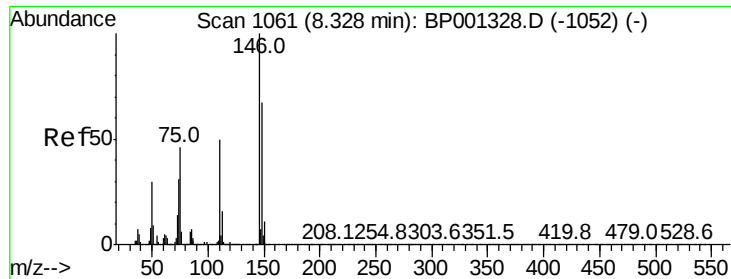
Delta R.T. 0.03 min

Lab File: BP001410.D

Acq: 25 Dec 2019 06:49

Tgt Ion:	146	Resp:	10650
Ion Ratio	Lower	Upper	
146	100		
148	58.0	52.2	78.2
75	38.7	35.8	53.8





#13

1,4-Dichlorobenzene

Concen: 5.149 ng

RT: 8.35 min Scan# 1064

Delta R.T. 0.03 min

Lab File: BP001410.D

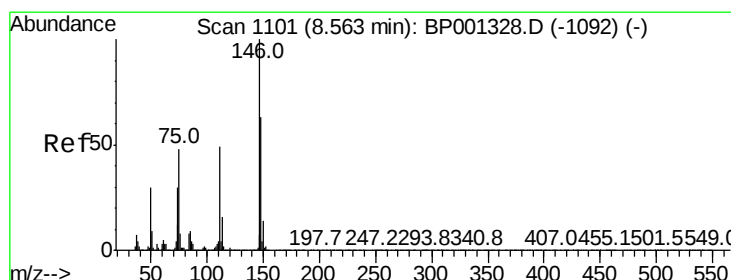
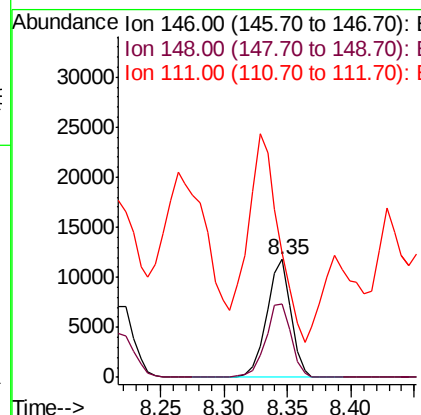
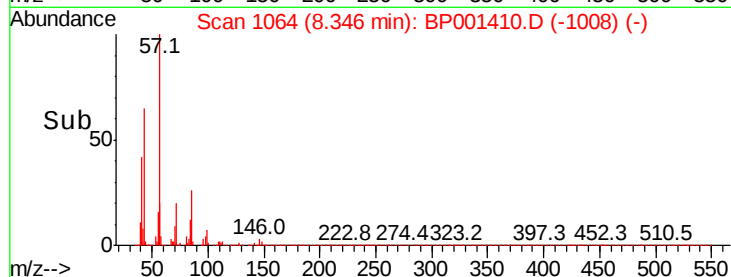
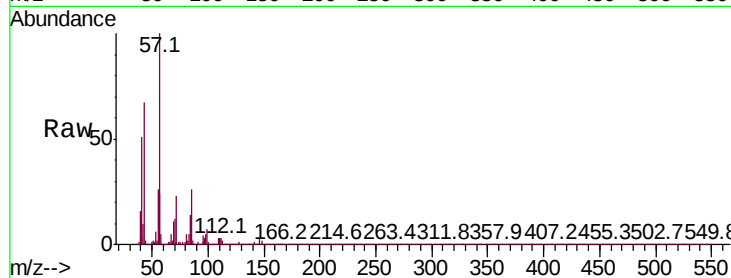
Acq: 25 Dec 2019 06:49

Instrument :
BNA_P
ClientSampleId :
C0B37DL

Tot Ion	Ratio	Lower	Upper
146	100		
148	62.3	51.9	77.9
111	105.3	36.8	55.2

Manual Integrations
APPROVED

mohammad
12/26/2019 4:02:00 PM



#14

1,2-Dichlorobenzene

Concen: 10.266 ng

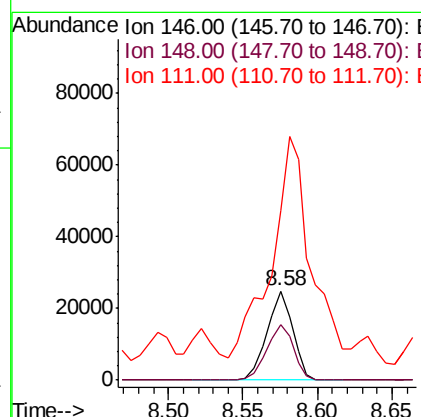
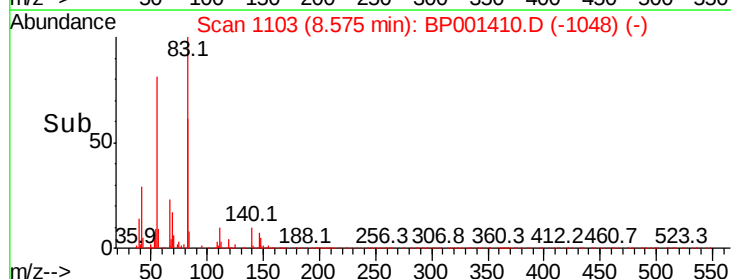
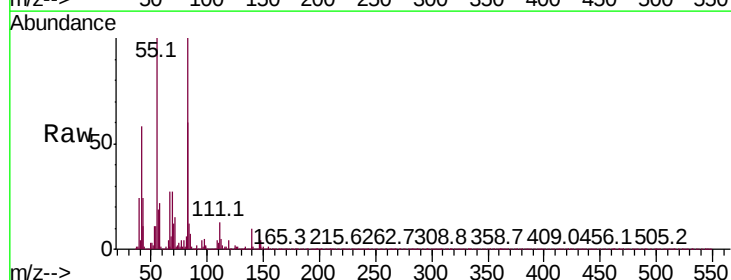
RT: 8.58 min Scan# 1103

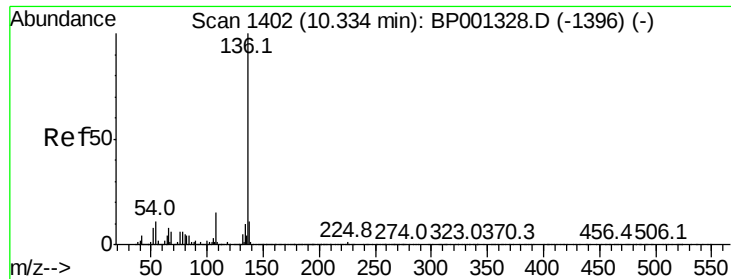
Delta R.T. 0.02 min

Lab File: BP001410.D

Acq: 25 Dec 2019 06:49

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.6	53.1	79.7
111	189.7	39.5	59.3





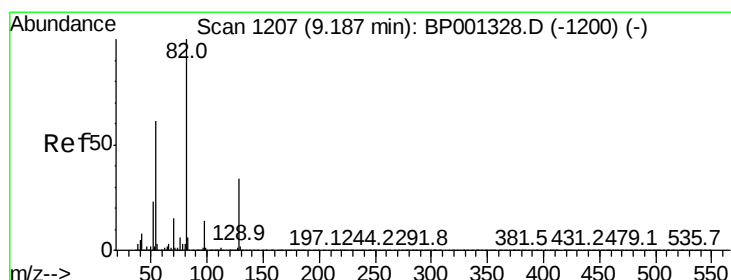
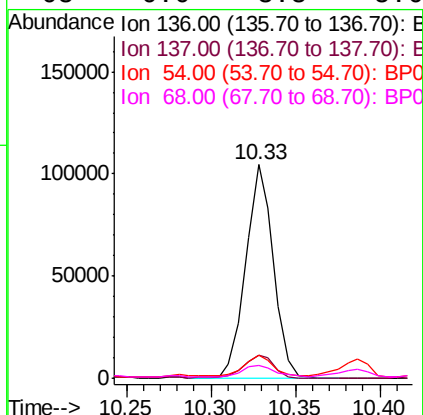
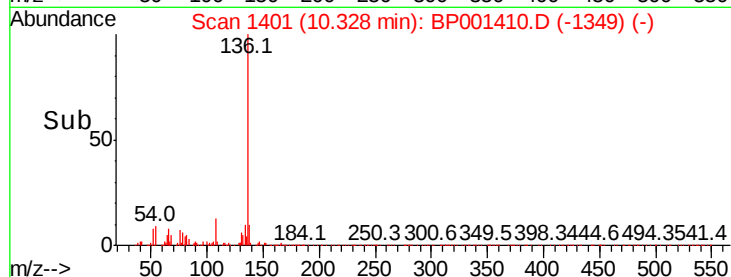
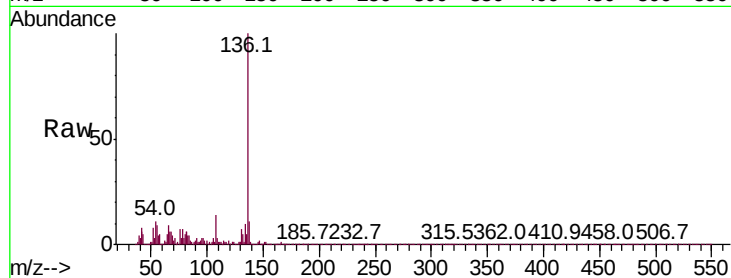
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.33 min Scan# 1401
Delta R.T. 0.01 min
Lab File: BP001410.D
Acq: 25 Dec 2019 06:49

Instrument :
BNA_P
ClientSampleID :
C0B37DL

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.0	9.0	13.4
54	10.9	7.3	10.9
68	6.0	3.8	5.6#

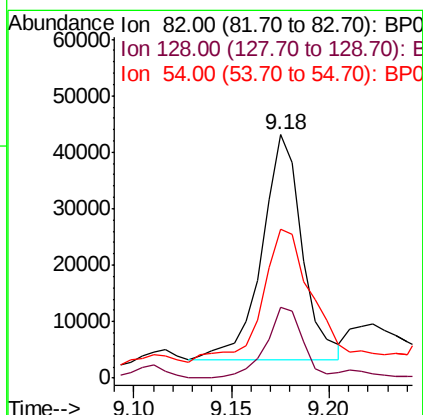
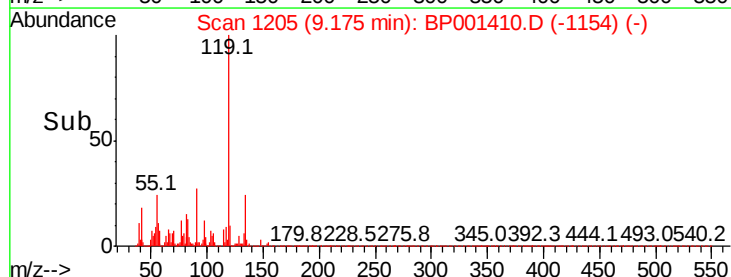
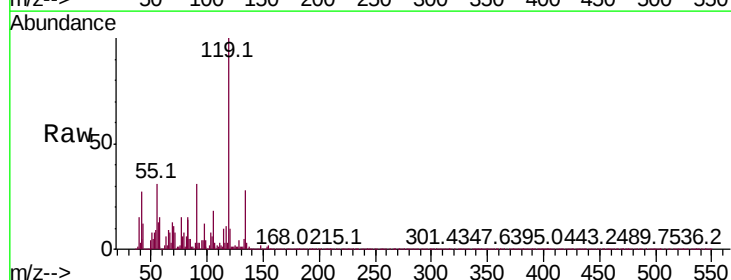
Manual Integrations
APPROVED

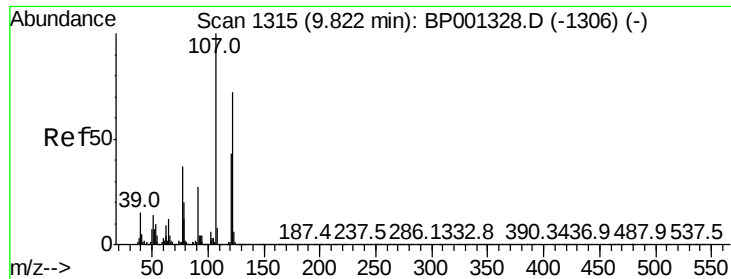
mohammad
12/26/2019 4:02:00 PM



#23
Nitrobenzene-d5
Concen: 18.333 ng
RT: 9.18 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BP001410.D
Acq: 25 Dec 2019 06:49

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	29.2	27.4	41.0
54	61.4	47.5	71.3





#27

2,4-Dimethylphenol

Concen: 5.102 ng m

RT: 9.82 min Scan# 1315

Delta R.T. 0.01 min

Lab File: BP001410.D

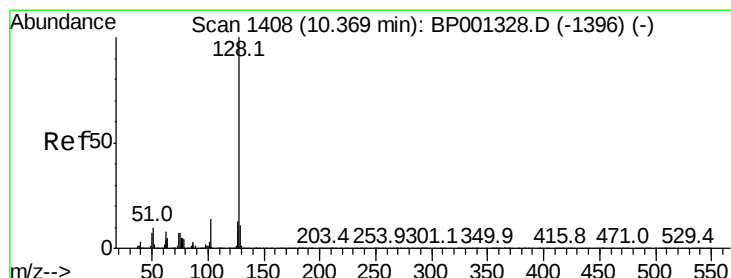
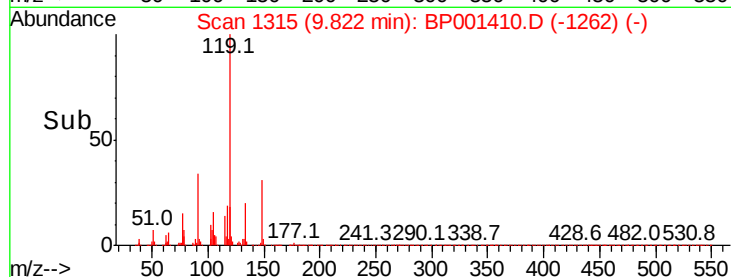
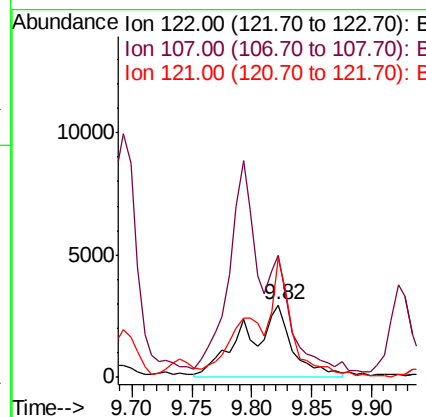
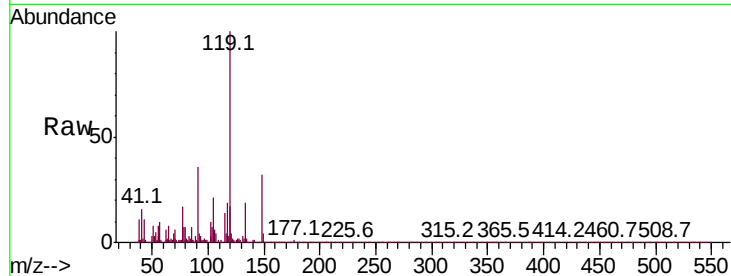
Acq: 25 Dec 2019 06:49

Instrument :
BNA_P
ClientSampled :
C0B37DL

Tot Ion	Ratio	Lower	Upper
122	100		
107	168.4	106.5	159.7#
121	163.9	47.1	70.7#

Manual Integrations
APPROVED

mohammad
12/26/2019 4:02:00 PM



#31

Naphthalene

Concen: 25.208 ng

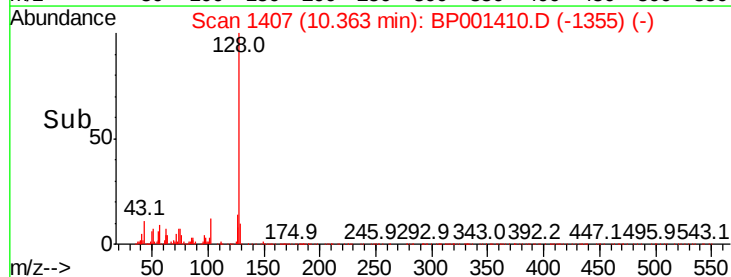
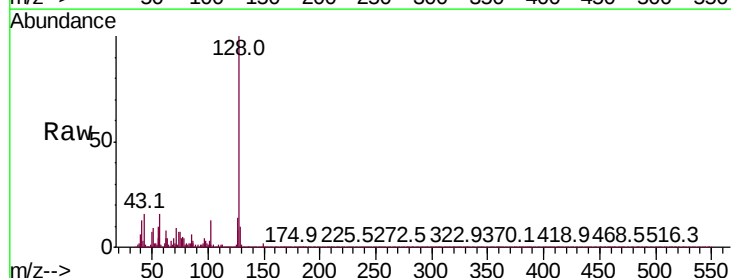
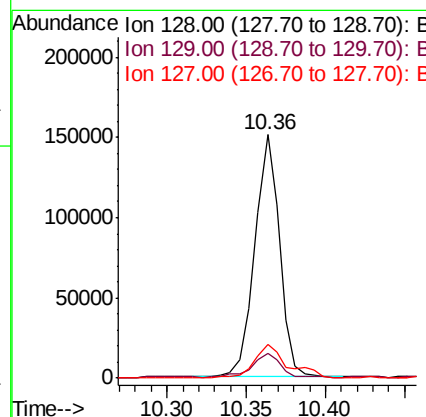
RT: 10.36 min Scan# 1407

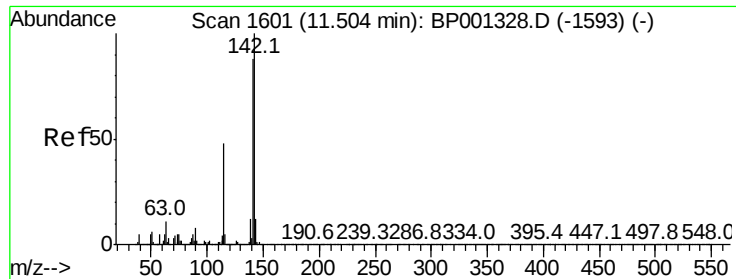
Delta R.T. 0.01 min

Lab File: BP001410.D

Acq: 25 Dec 2019 06:49

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.1	8.6	12.8
127	14.0	11.0	16.6





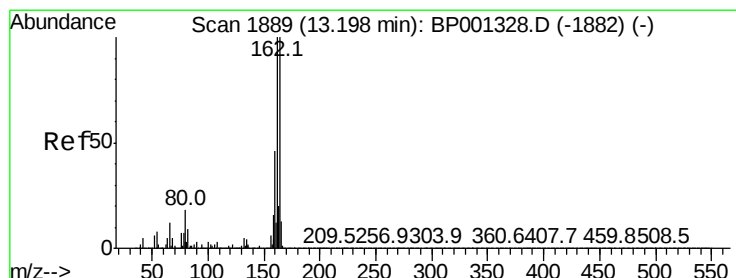
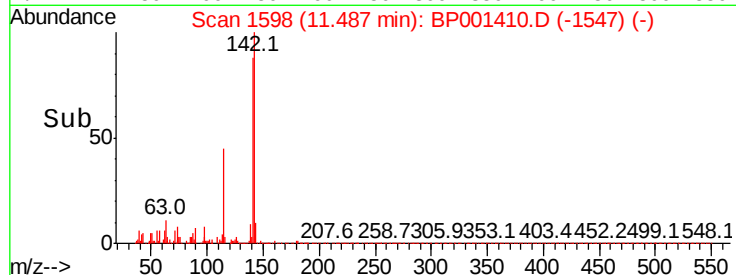
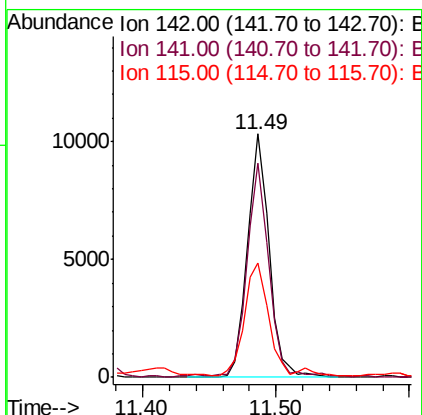
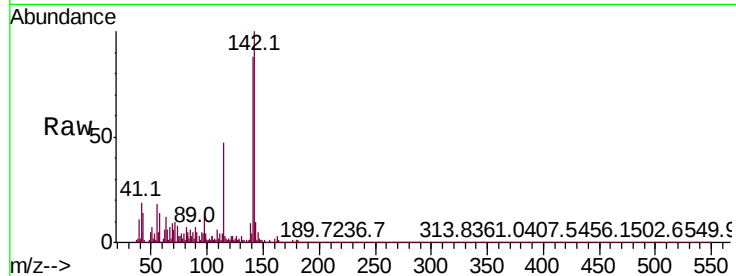
#37
2-Methylnaphthalene
Concen: 2.549 ng
RT: 11.49 min Scan# 1598
Delta R.T. 0.00 min
Lab File: BP001410.D
Acq: 25 Dec 2019 06:49

Instrument :
BNA_P
ClientSampleID :
C0B37DL

Tot Ion	Ratio	Resp	Lower	Upper
142	100	11441		
141	87.7	70.2	105.2	
115	47.2	37.0	55.4	

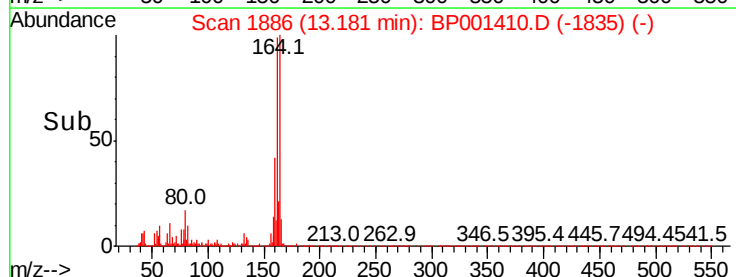
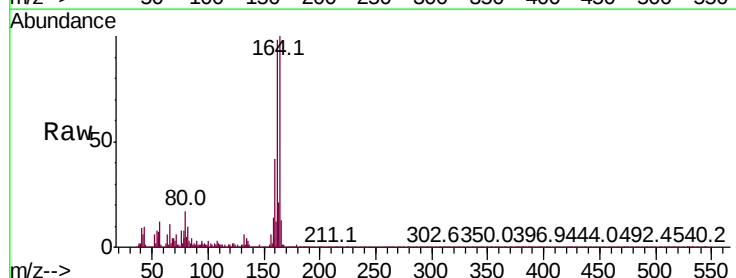
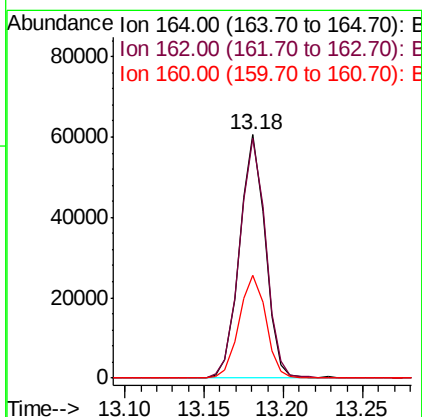
Manual Integrations
APPROVED

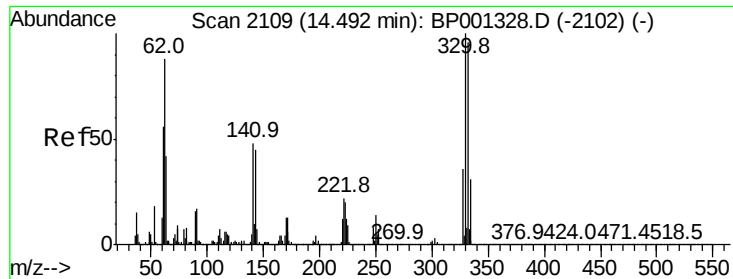
mohammad
12/26/2019 4:02:00 PM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 13.18 min Scan# 1886
Delta R.T. 0.00 min
Lab File: BP001410.D
Acq: 25 Dec 2019 06:49

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	68172		
162	98.4	78.2	117.4	
160	42.4	35.1	52.7	





#42

2,4,6-Tribromophenol

Concen: 14.846 ng

RT: 14.47 min Scan# 2106

Delta R.T. -0.01 min

Lab File: BP001410.D

Acq: 25 Dec 2019 06:49

Instrument :

BNA_P

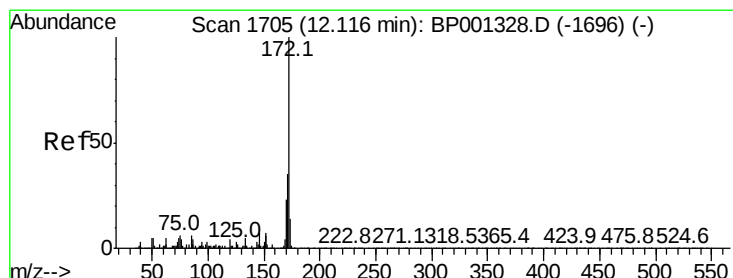
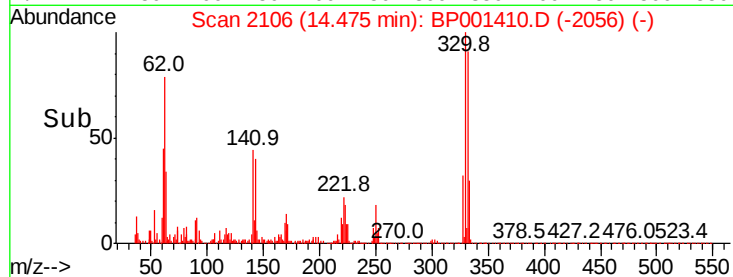
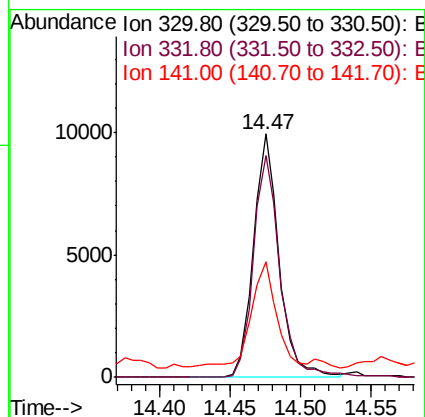
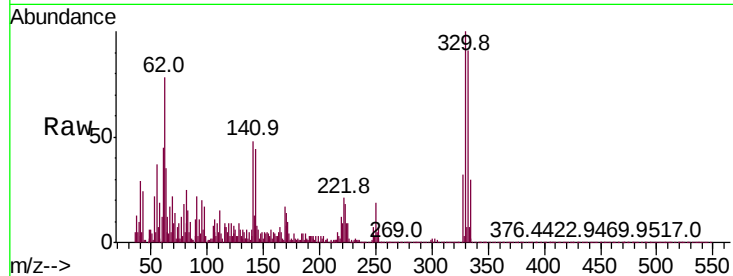
ClientSampled :

C0B37DL

Tot Ion:	330	Resp:	12653
Ion Ratio	Lower	Upper	
330	100		
332	94.8	78.3	117.5
141	44.9	26.8	40.2#

Manual Integrations
APPROVED

mohammad
12/26/2019 4:02:00 PM



#45

2-Fluorobiphenyl

Concen: 12.072 ng

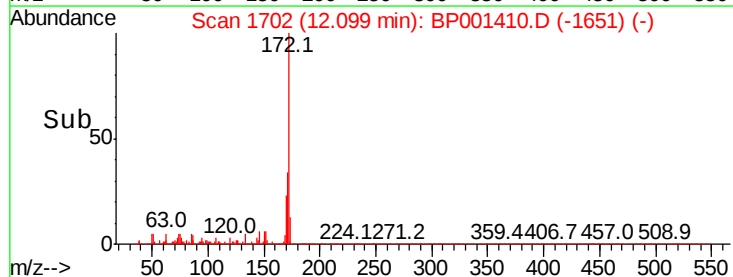
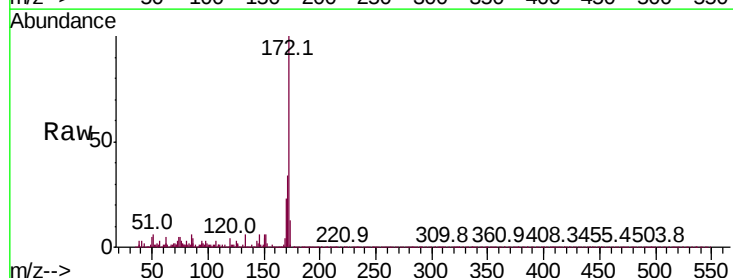
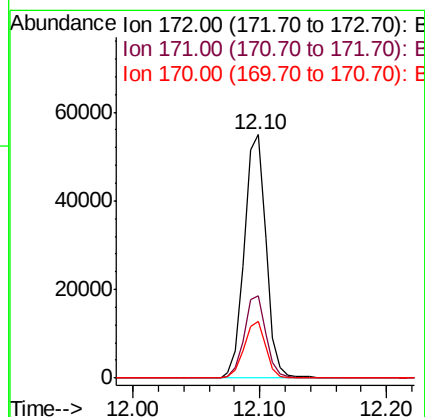
RT: 12.10 min Scan# 1702

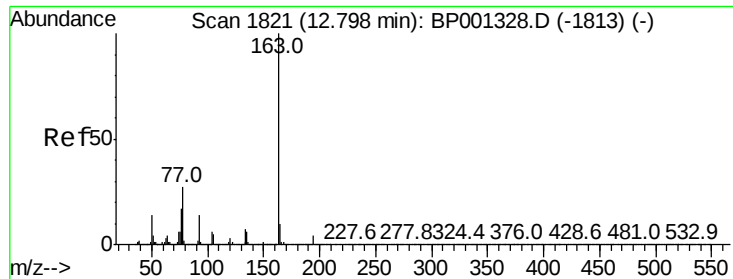
Delta R.T. 0.00 min

Lab File: BP001410.D

Acq: 25 Dec 2019 06:49

Tgt Ion:	172	Resp:	65084
Ion Ratio	Lower	Upper	
172	100		
171	33.6	27.4	41.0
170	23.2	18.2	27.4





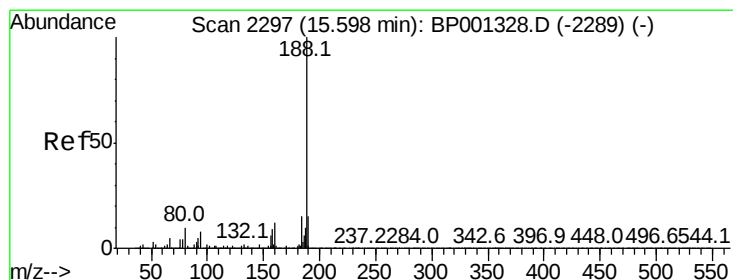
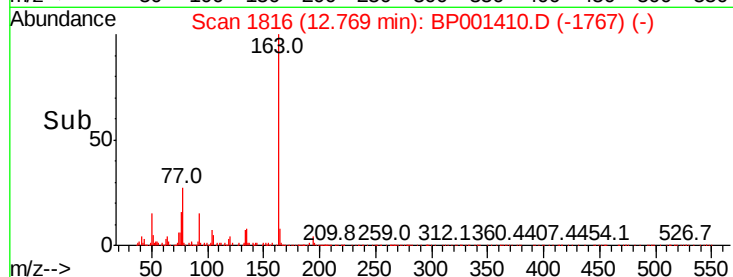
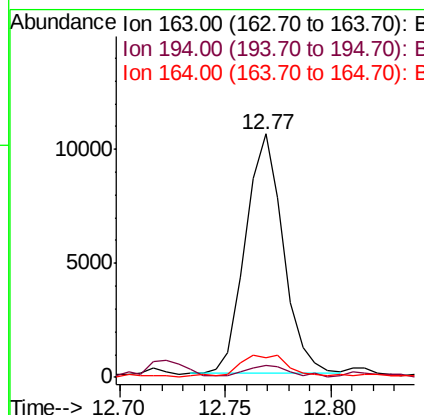
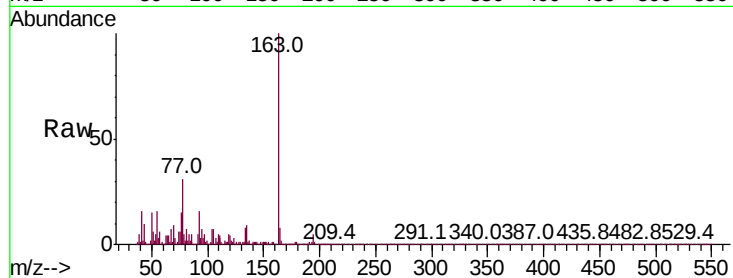
#50
Dimethylphthalate
Concen: 2.336 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BP001410.D
Acq: 25 Dec 2019 06:49

Instrument :
BNA_P
ClientSampleID :
C0B37DL

Tot Ion	Ratio	Lower	Upper
163	100		
194	5.1	3.2	4.8#
164	8.2	7.7	11.5

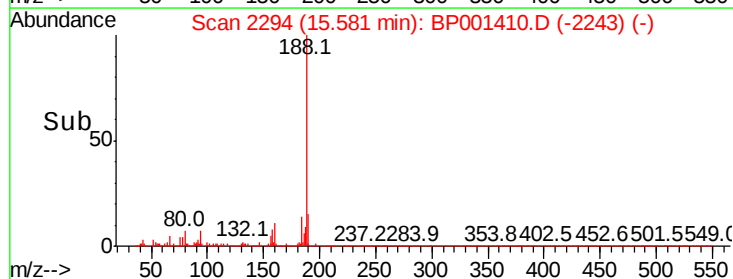
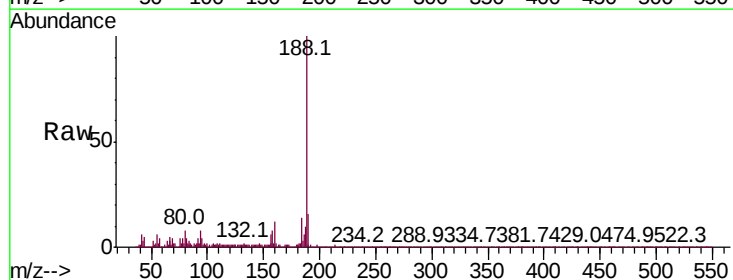
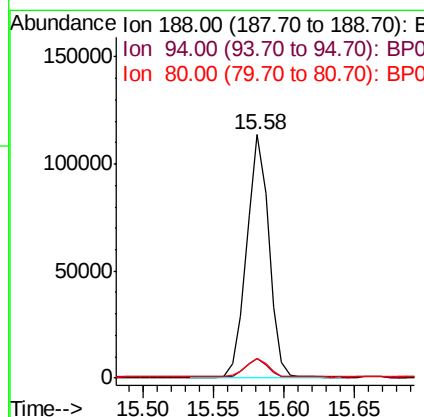
Manual Integrations
APPROVED

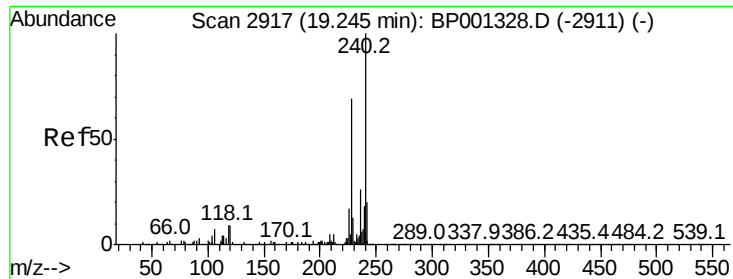
mohammad
12/26/2019 4:02:00 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 15.58 min Scan# 2294
Delta R.T. 0.00 min
Lab File: BP001410.D
Acq: 25 Dec 2019 06:49

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.0	5.8	8.8
80	7.8	5.7	8.5





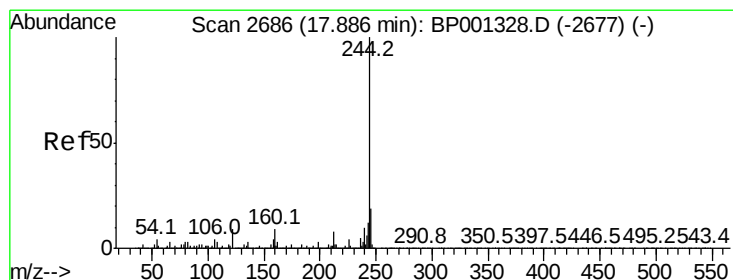
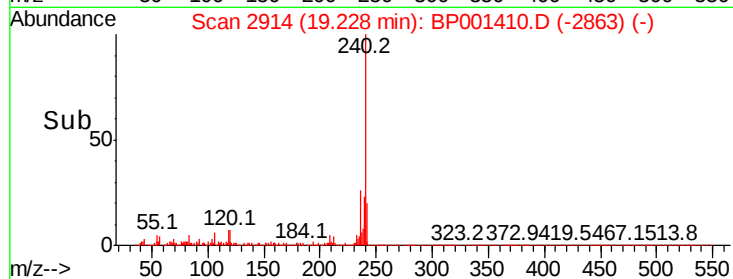
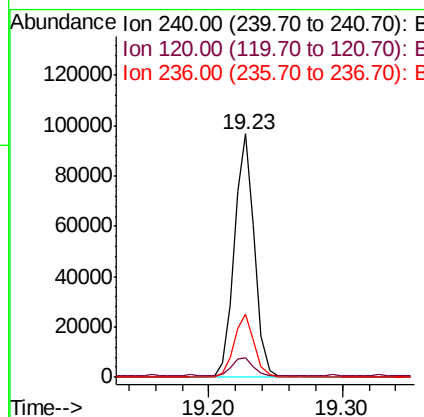
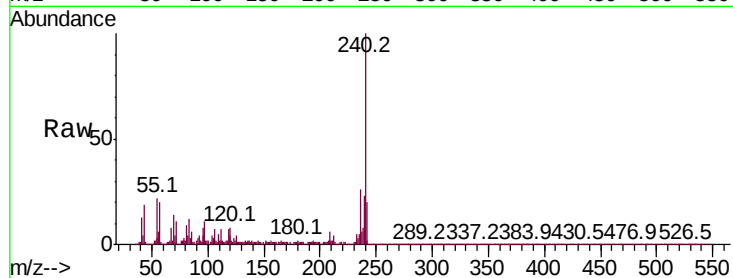
#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 19.23 min Scan# 2914
 Delta R.T. 0.00 min
 Lab File: BP001410.D
 Acq: 25 Dec 2019 06:49

Instrument :
 BNA_P
 ClientSampleId :
 C0B37DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	7.9	6.2	9.2
236	25.9	20.2	30.2

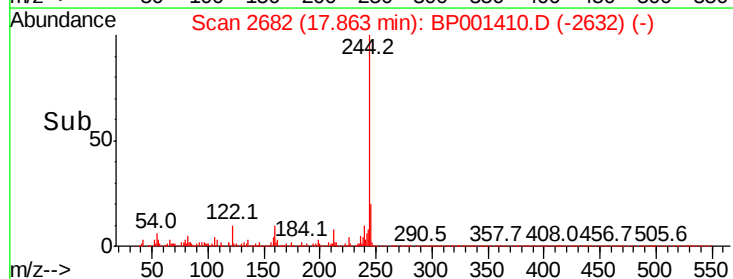
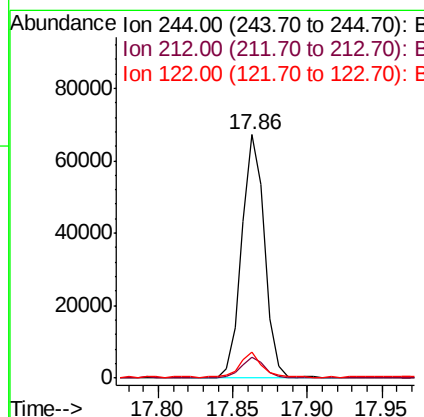
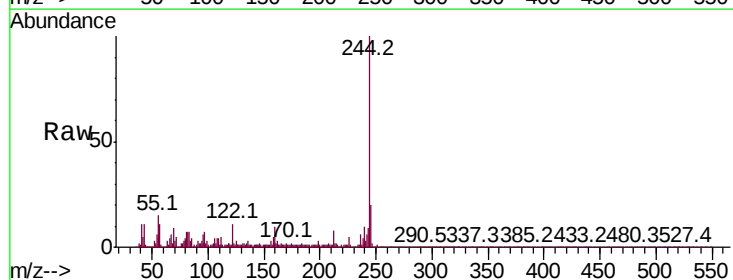
Manual Integrations
 APPROVED

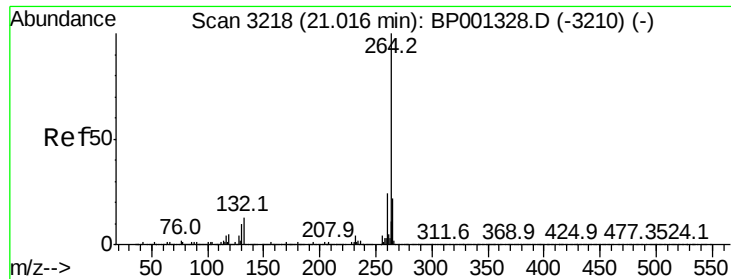
mohammad
 12/26/2019 4:02:00 PM



#79
 Terphenyl-d14
 Concen: 11.970 ng
 RT: 17.86 min Scan# 2682
 Delta R.T. -0.01 min
 Lab File: BP001410.D
 Acq: 25 Dec 2019 06:49

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.5	5.8	8.8
122	10.6	6.4	9.6





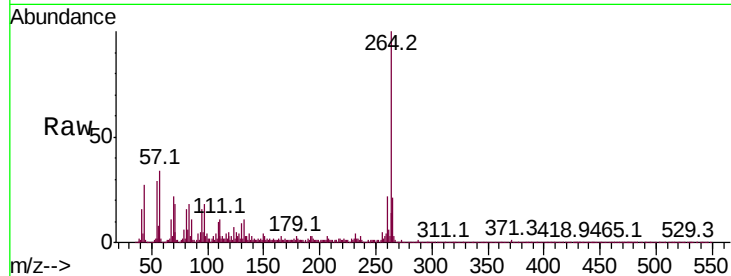
#87
Pervlene-d12
Concen: 20.000 ng
RT: 21.00 min Scan# 3216
Delta R.T. 0.01 min
Lab File: BP001410.D
Acq: 25 Dec 2019 06:49

Instrument :
BNA_P
ClientSampleId :
C0B37DL

Tot Ion	Ratio	Resp Lower	Upper
264	100		
260	22.4	19.0	28.4
265	21.0	17.0	25.4

Manual Integrations
APPROVED

mohammad
12/26/2019 4:02:00 PM



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

