

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122619\
 Data File : BP001428.D
 Acq On : 26 Dec 2019 18:26
 Operator : JU
 Sample : K6393-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MH-20A

Manual Integrations
 APPROVED

mohammad
 12/27/2019 3:18:19 PM

Quant Time: Dec 27 07:58:42 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	8.28	152	35117	20.00	ng	0.00
21) Naphthalene-d8	10.32	136	125653	20.00	ng	0.00
39) Acenaphthene-d10	13.18	164	76186	20.00	ng	0.00
64) Phenanthrene-d10	15.58	188	142312	20.00	ng	0.00
76) Chrysene-d12	19.22	240	99836	20.00	ng	0.00
87) Perylene-d12	20.99	264	102573	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.21	112	189305	87.12	ng	0.01
7) Phenol-d6	7.75	99	161519	56.97	ng	0.00
23) Nitrobenzene-d5	9.17	82	285120	87.14	ng	0.00
42) 2,4,6-Tribromophenol	14.48	330	130957	137.49	ng	0.00
45) 2-Fluorobiphenyl	12.10	172	546564	90.72	ng	0.00
79) Terphenyl-d14	17.87	244	594255	101.95	ng	0.00
Target Compounds						
20) 3+4-Methylphenols	8.98	107	10752	4.198	ng	Qvalue # 42
32) Benzoic acid	9.93	122	1562m	6.047	ng	

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

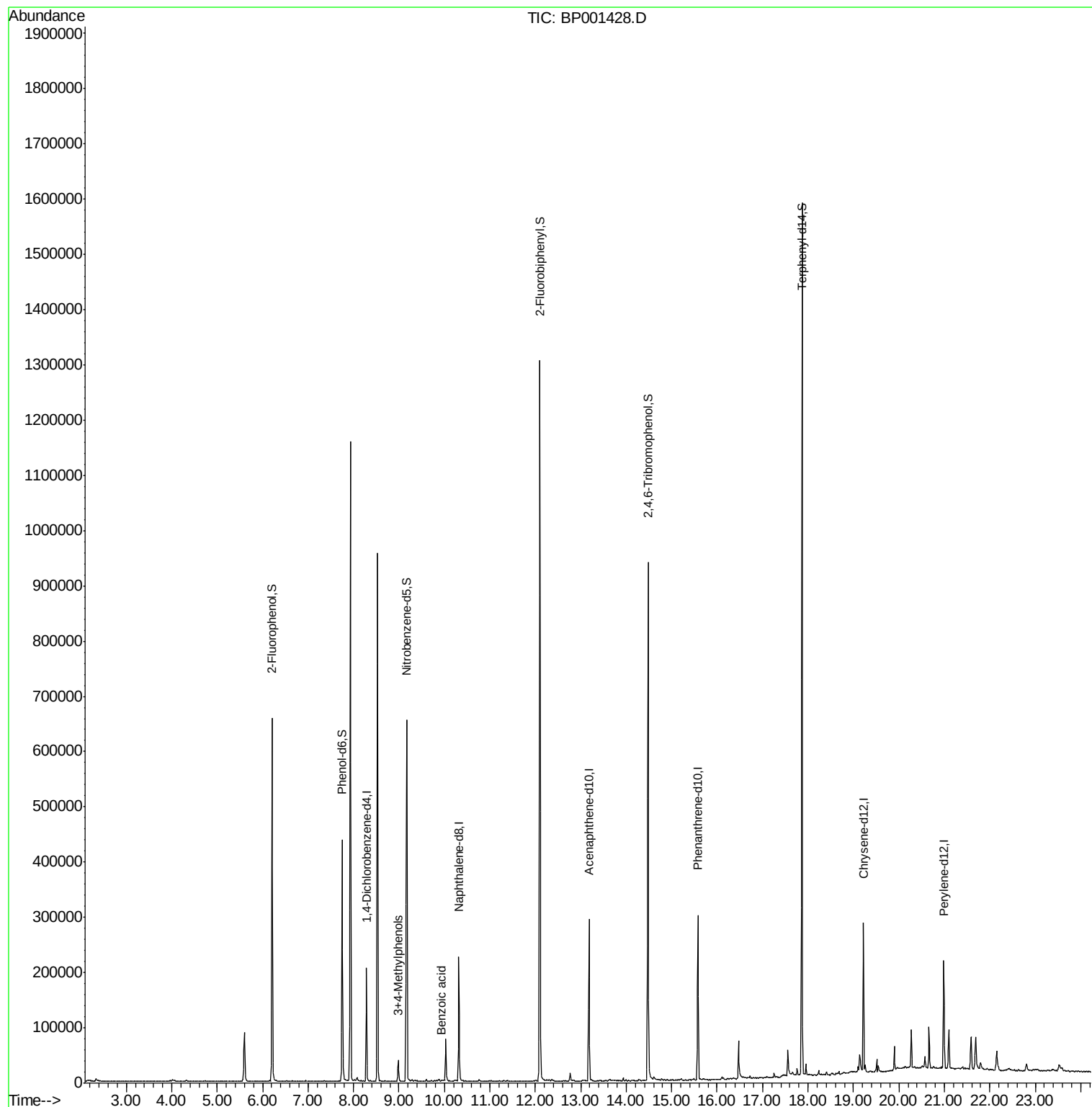
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122619\
Data File : BP001428.D
Acq On : 26 Dec 2019 18:26
Operator : JU
Sample : K6393-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

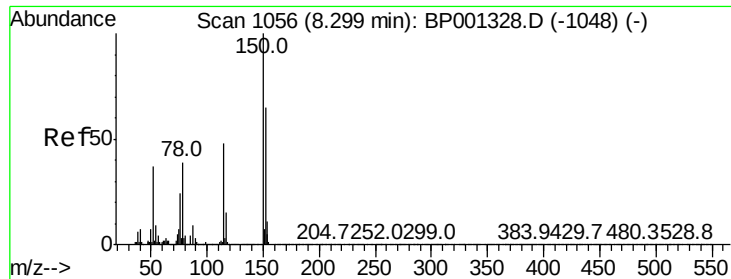
Instrument :
BNA_P
ClientSampleId :
MH-20A

Manual Integrations
APPROVED

mohammad
12/27/2019 3:18:19 PM

Quant Time: Dec 27 07:58:42 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





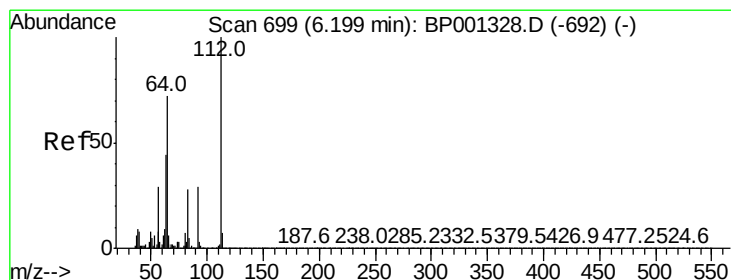
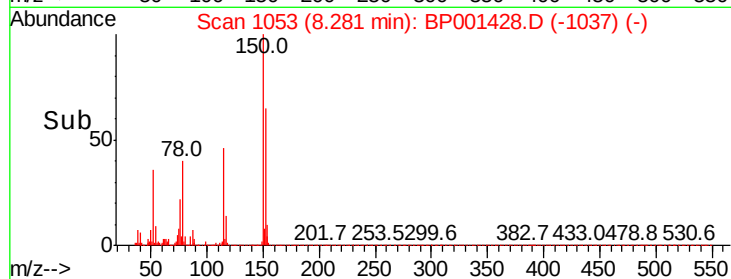
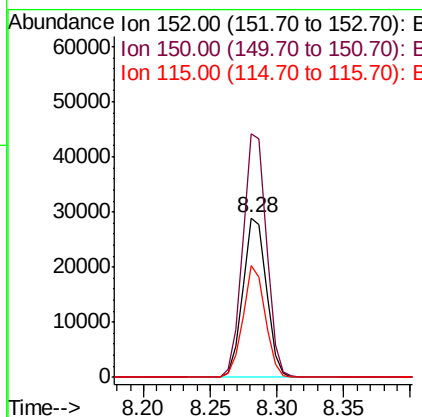
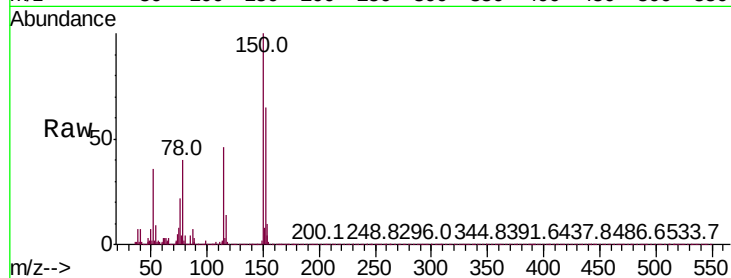
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.28 min Scan# 1053
Delta R.T. -0.01 min
Lab File: BP001428.D
Acq: 26 Dec 2019 18:26

Instrument :
BNA_P
ClientSampled :
MH-20A

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.8	127.0	190.6
115	69.8	56.1	84.1

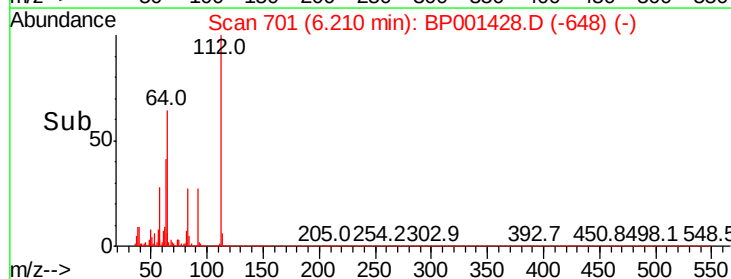
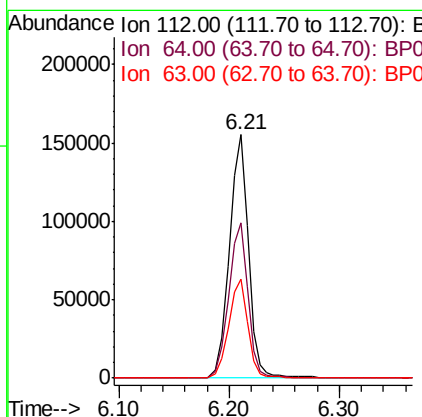
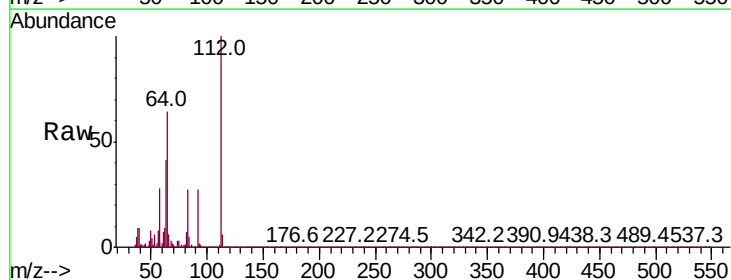
Manual Integrations
APPROVED

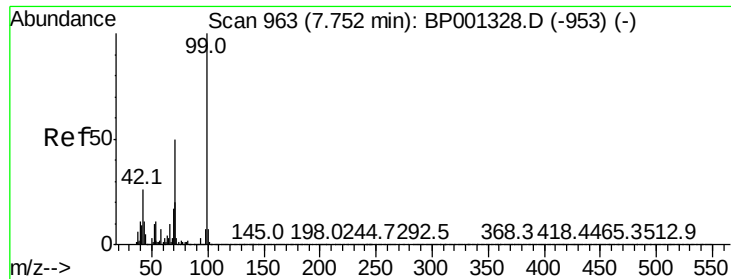
mohammad
12/27/2019 3:18:19 PM



#5
2-Fluorophenol
Concen: 87.124 ng
RT: 6.21 min Scan# 701
Delta R.T. 0.01 min
Lab File: BP001428.D
Acq: 26 Dec 2019 18:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.8	53.9	80.9
63	40.7	33.4	50.0





#7

Phenol-d6

Concen: 56.968 ng

RT: 7.75 min Scan# 963

Delta R.T. -0.00 min

Lab File: BP001428.D

Acq: 26 Dec 2019 18:26

Instrument :

BNA_P

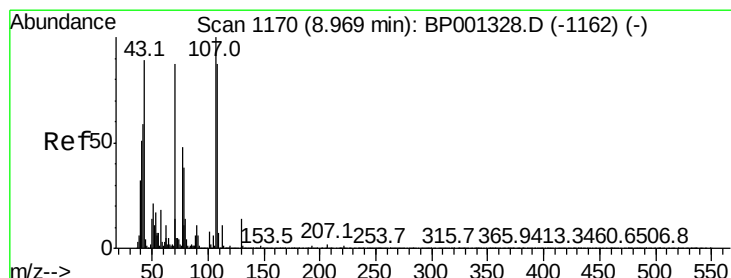
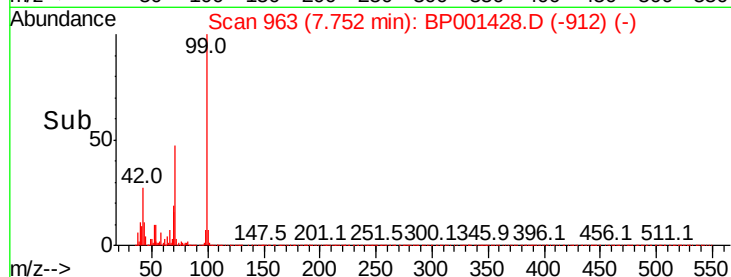
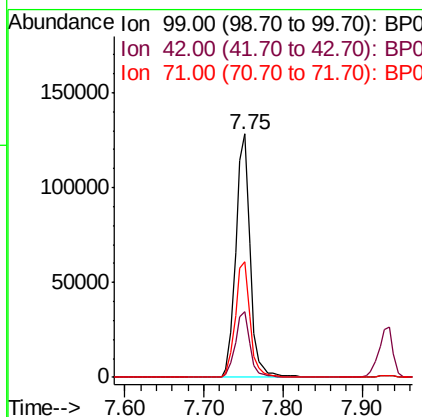
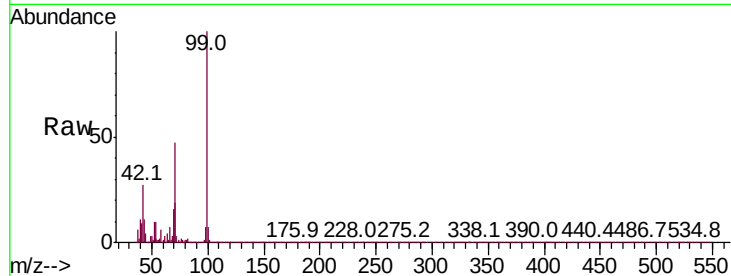
ClientSampleId :

MH-20A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		161519		
42	27.1	20.8	31.2		
71	47.5	38.2	57.4		

Manual Integrations
APPROVED

mohammad
12/27/2019 3:18:19 PM



#20

3+4-Methylphenols

Concen: 4.198 ng

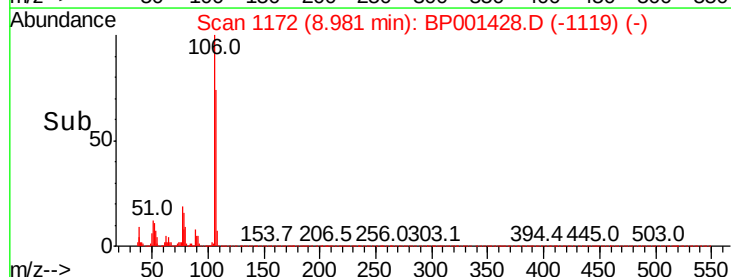
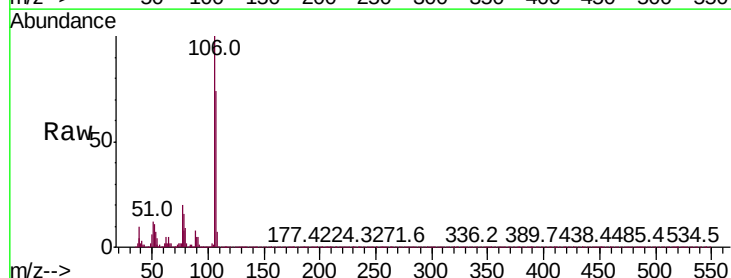
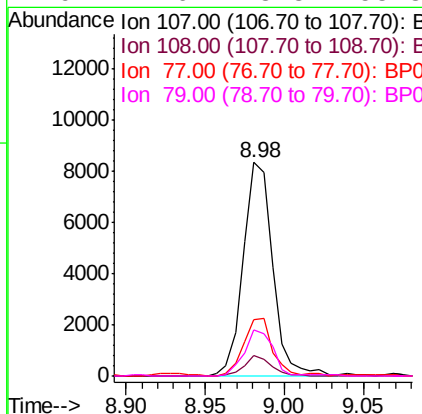
RT: 8.98 min Scan# 1172

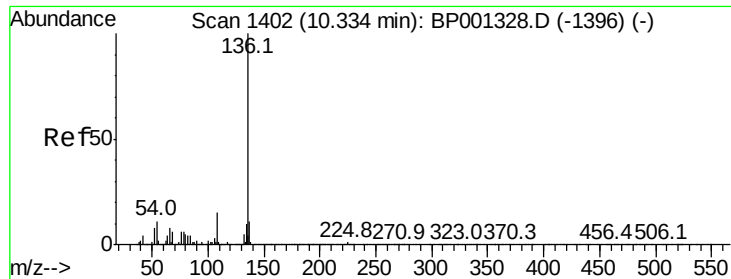
Delta R.T. 0.01 min

Lab File: BP001428.D

Acq: 26 Dec 2019 18:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		10752		
108	9.6	70.4	110.4#		
77	26.4	24.5	64.5		
79	21.6	18.8	58.8		





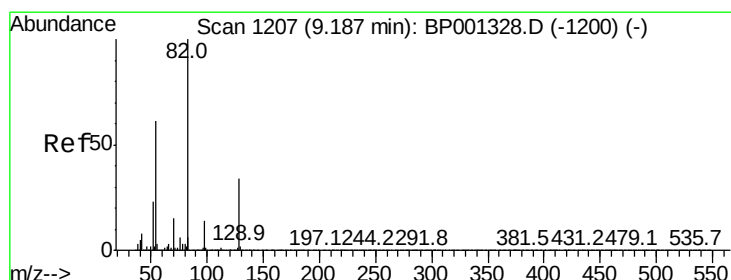
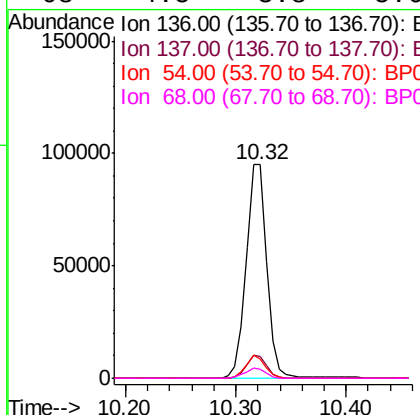
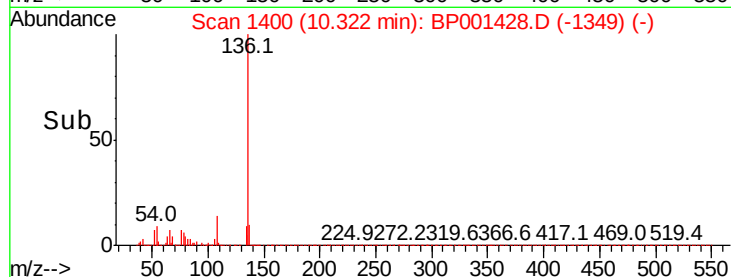
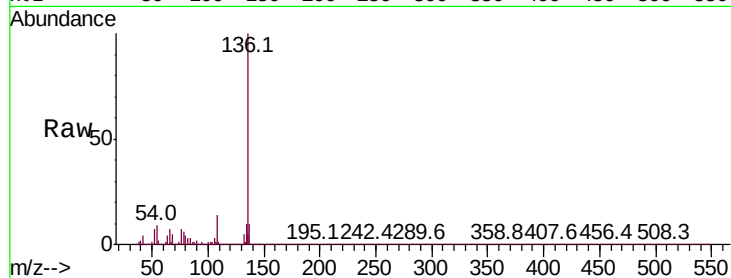
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.32 min Scan# 1400
Delta R.T. -0.00 min
Lab File: BP001428.D
Acq: 26 Dec 2019 18:26

Instrument :
BNA_P
ClientSampleID :
MH-20A

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.5	9.0	13.4
54	9.2	7.3	10.9
68	4.5	3.8	5.6

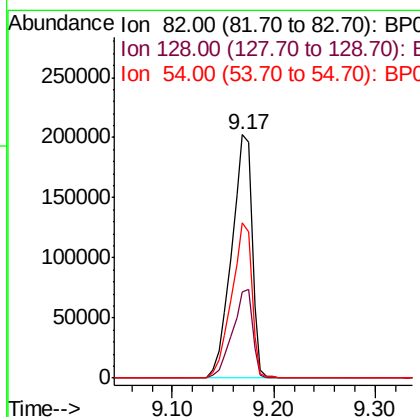
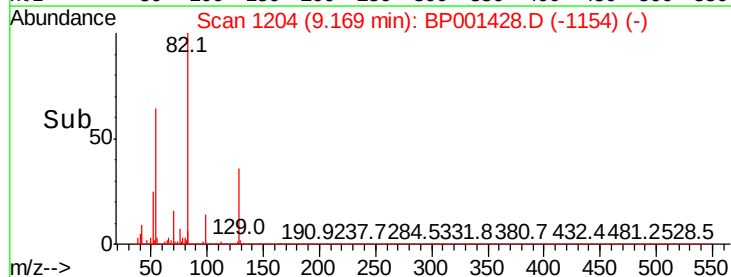
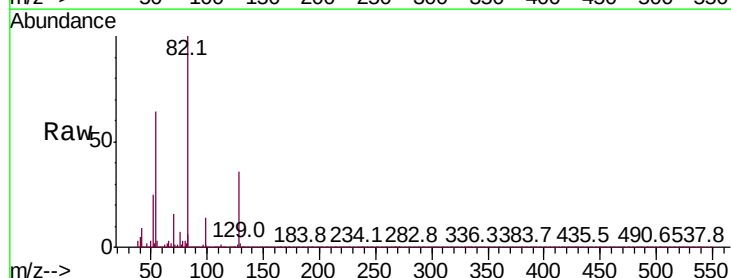
Manual Integrations
APPROVED

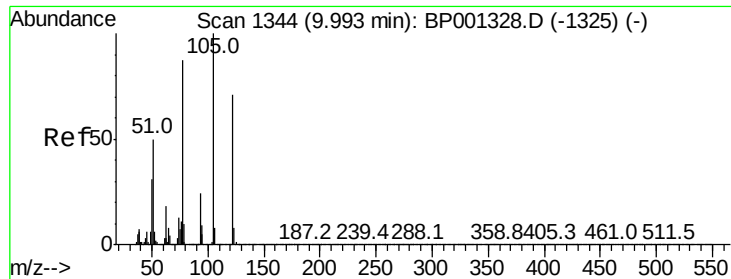
mohammad
12/27/2019 3:18:19 PM



#23
Nitrobenzene-d5
Concen: 87.137 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BP001428.D
Acq: 26 Dec 2019 18:26

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	35.5	27.4	41.0
54	63.6	47.5	71.3





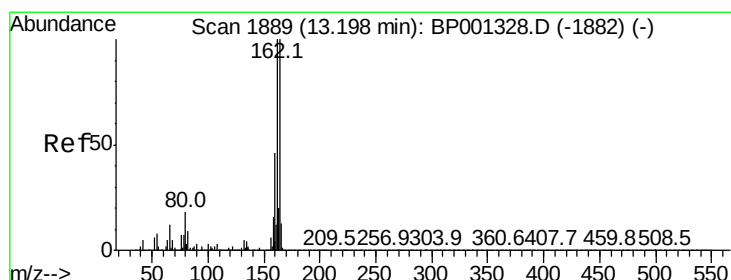
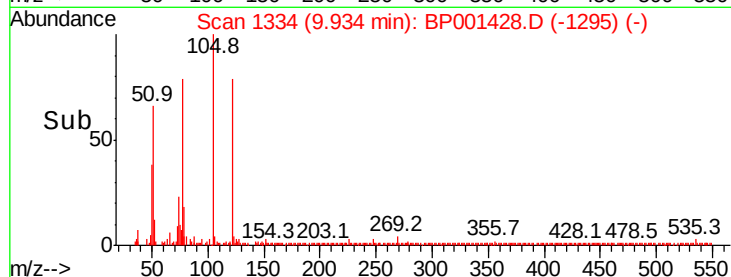
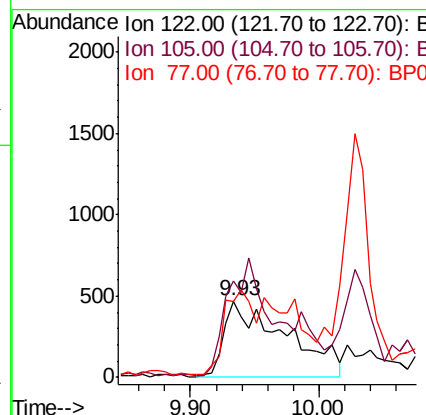
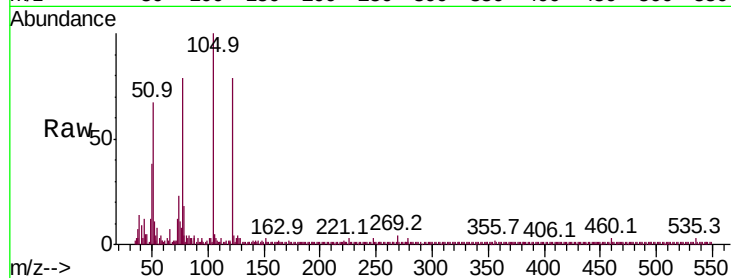
#32
Benzoic acid
Concen: 6.047 ng/ml
RT: 9.93 min Scan# 1334
Delta R.T. -0.07 min
Lab File: BP001428.D
Acq: 26 Dec 2019 18:26

Instrument :
BNA_P
ClientSampleId :
MH-20A

Tot Ion	Ratio	Lower	Upper
122	100		
105	127.2	117.8	157.8
77	100.6	85.6	125.6

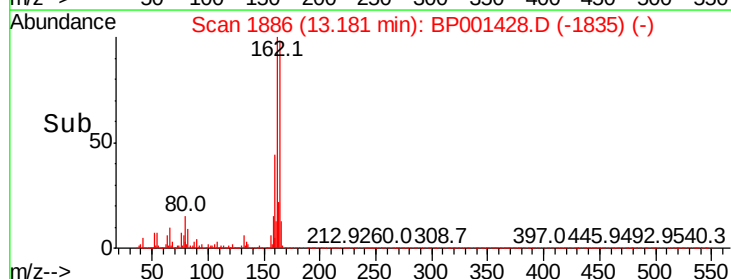
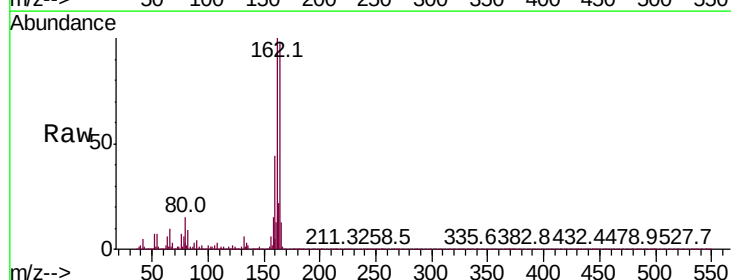
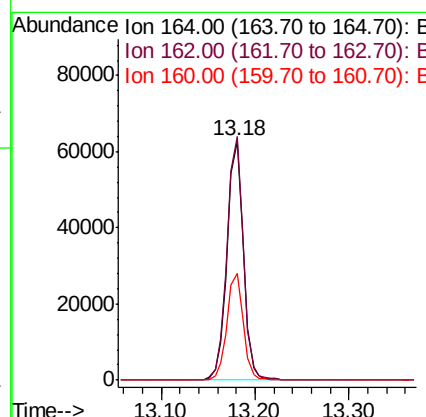
Manual Integrations
APPROVED

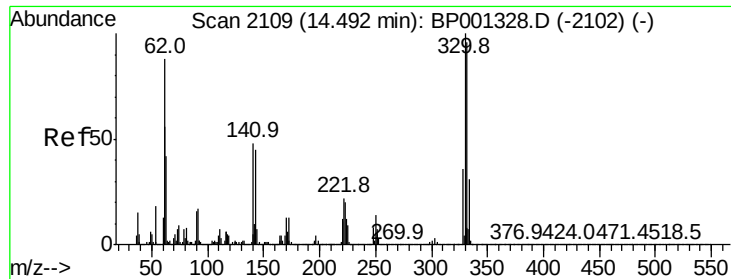
mohammad
12/27/2019 3:18:19 PM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 13.18 min Scan# 1886
Delta R.T. -0.00 min
Lab File: BP001428.D
Acq: 26 Dec 2019 18:26

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.9	78.2	117.4
160	44.7	35.1	52.7





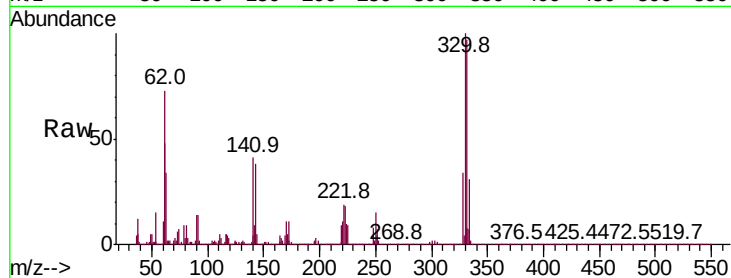
#42
2,4,6-Tribromophenol
Concen: 137.488 ng
RT: 14.48 min Scan# 2107
Delta R.T. -0.00 min
Lab File: BP001428.D
Acq: 26 Dec 2019 18:26

Instrument :
BNA_P
ClientSampleId :
MH-20A

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.7	78.3	117.5
141	41.3	26.8	40.2

Manual Integrations
APPROVED

mohammad
12/27/2019 3:18:19 PM

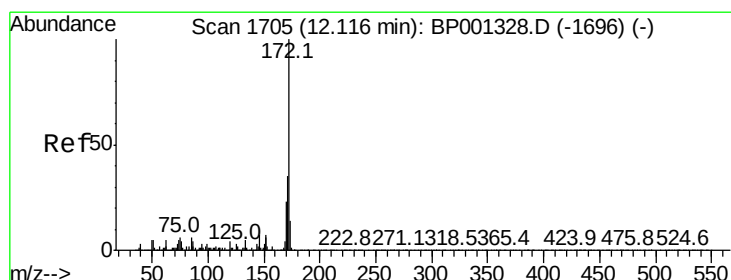
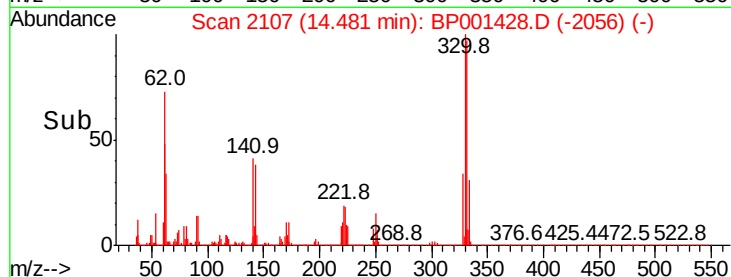
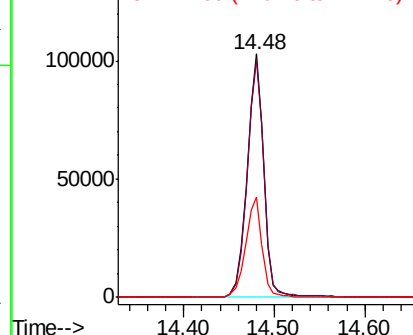


Abundance

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: 90.715 ng
RT: 12.10 min Scan# 1702
Delta R.T. -0.00 min
Lab File: BP001428.D
Acq: 26 Dec 2019 18:26

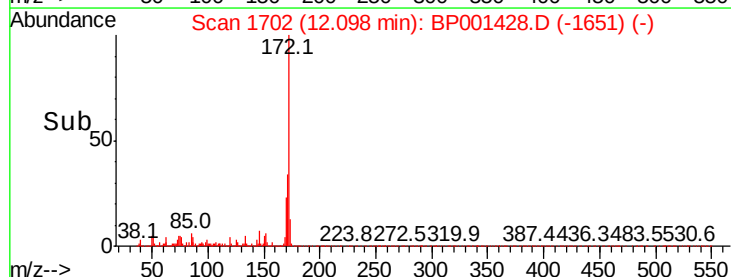
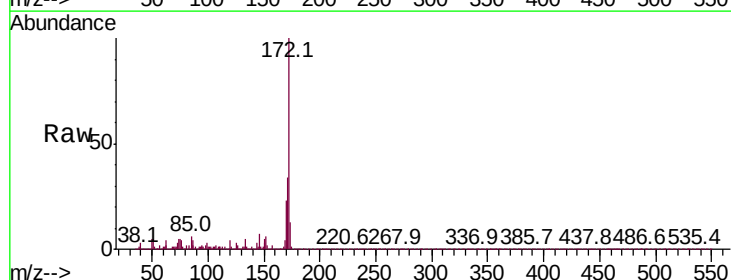
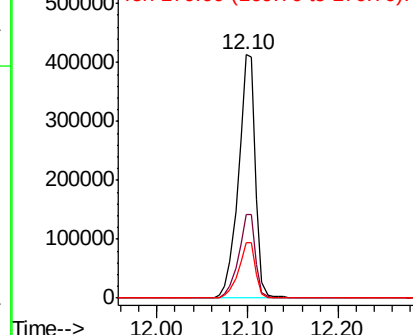
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.3	27.4	41.0
170	22.7	18.2	27.4

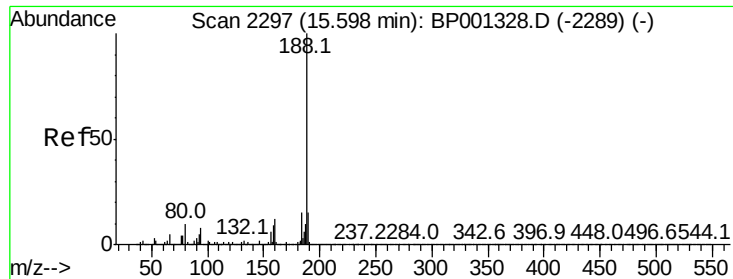
Abundance

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 15.58 min Scan# 2294

Delta R.T. -0.00 min

Lab File: BP001428.D

Acq: 26 Dec 2019 18:26

Instrument :

BNA_P

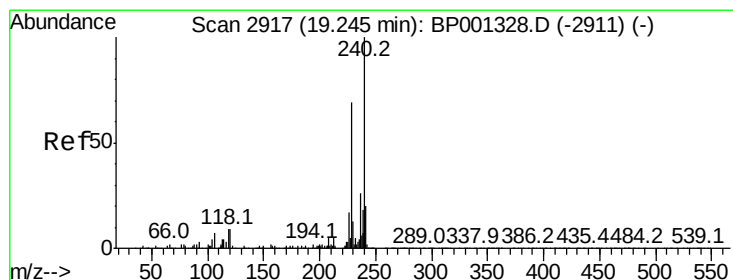
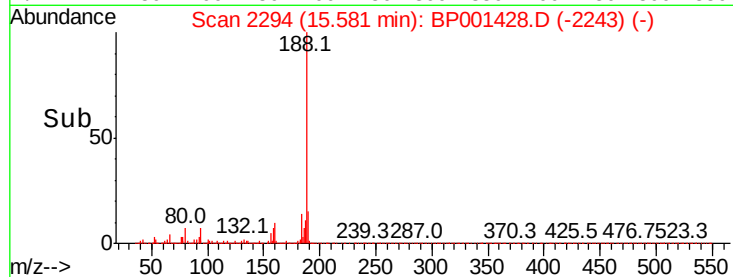
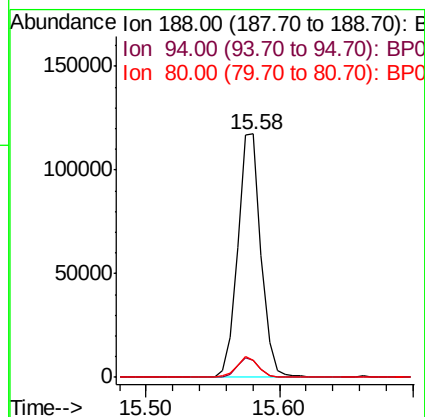
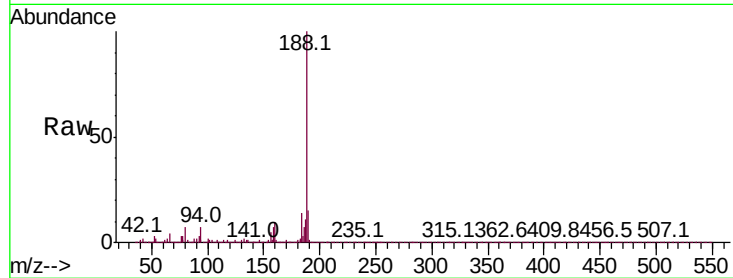
ClientSampleId :

MH-20A

Tot Ion:188	Resp: 142312
Ion Ratio	Lower Upper
188 100	
94 7.0	5.8 8.8
80 7.3	5.7 8.5

Manual Integrations
APPROVED

mohammad
12/27/2019 3:18:19 PM



#76

Chrysene-d12

Concen: 20.000 ng

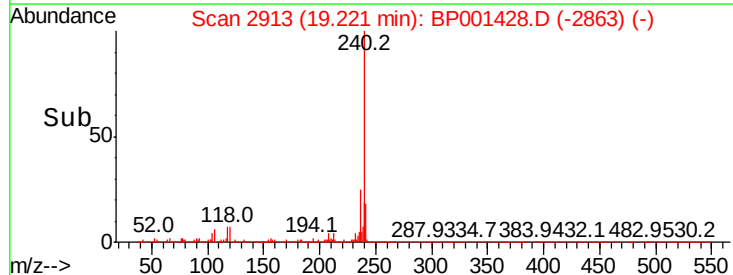
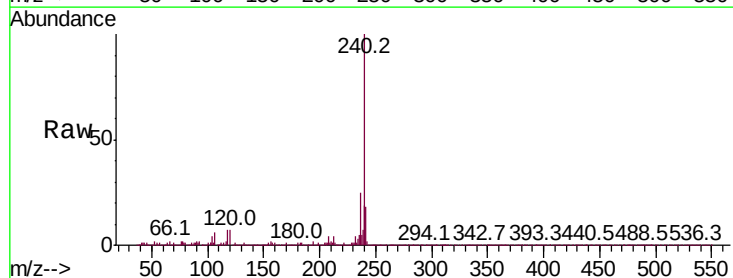
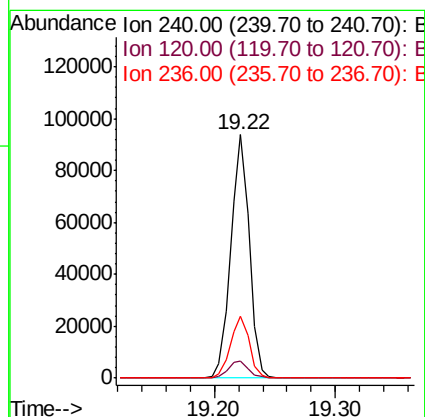
RT: 19.22 min Scan# 2913

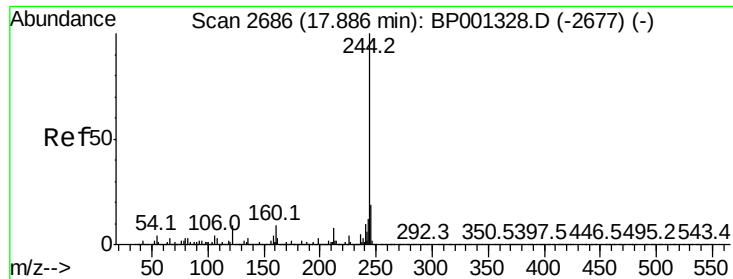
Delta R.T. -0.01 min

Lab File: BP001428.D

Acq: 26 Dec 2019 18:26

Tgt Ion:240	Resp: 99836
Ion Ratio	Lower Upper
240 100	
120 6.8	6.2 9.2
236 25.2	20.2 30.2





#79

Terphenyl-d14

Concen: 101.949 ng

RT: 17.87 min Scan# 2683

Delta R.T. -0.00 min

Lab File: BP001428.D

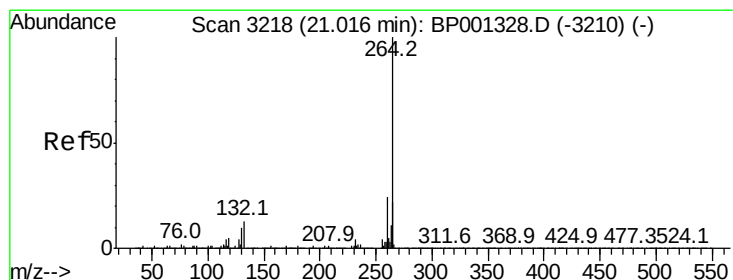
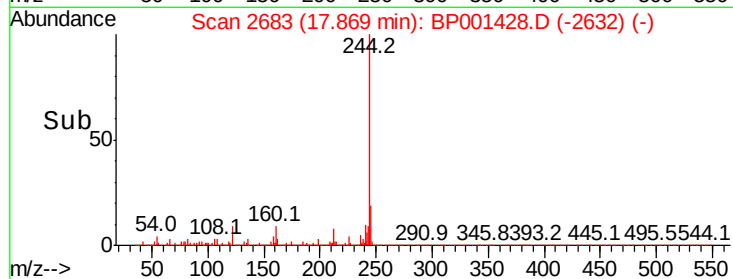
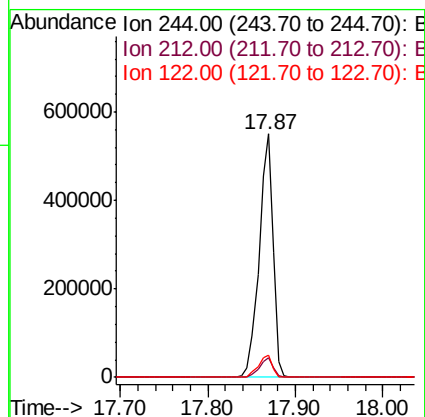
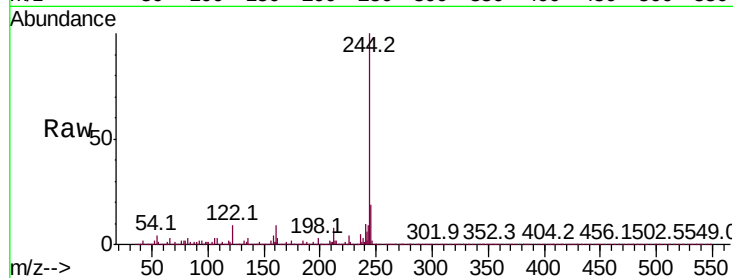
Acq: 26 Dec 2019 18:26

Instrument :
BNA_P
ClientSampleId :
MH-20A

Tot Ion	Ratio	Resp Lower	Upper
244	100		
212	8.0	5.8	8.8
122	8.9	6.4	9.6

Manual Integrations
APPROVED

mohammad
12/27/2019 3:18:19 PM



#87

Perylene-d12

Concen: 20.000 ng

RT: 20.99 min Scan# 3214

Delta R.T. -0.00 min

Lab File: BP001428.D

Acq: 26 Dec 2019 18:26

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	25.2	19.0	28.4
265	20.7	17.0	25.4

