

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091619\
 Data File : BP000258.D
 Acq On : 17 Sep 2019 00:02
 Operator : HP/JU
 Sample : K4873-06 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 COMP-30

Manual Integrations
 APPROVED

mohammad
 9/17/2019 1:27:52 PM

Quant Time: Sep 17 07:30:38 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 16 18:59:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	307801	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	1117446	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	600299	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	1031768	20.00	ng	0.00
76) Chrysene-d12	13.99	240	887144	20.00	ng	0.00
87) Perylene-d12	15.48	264	772688	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	940528	52.75	ng	0.00
7) Phenol-d6	6.42	99	1209201	55.33	ng	0.00
23) Nitrobenzene-d5	7.35	82	606474	35.02	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	311117	52.25	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1445945	43.35	ng	0.00
79) Terphenyl-d14	12.93	244	1641721	38.82	ng	0.00
Target Compounds						
10) Phenol	6.43	94	57127	2.301	ng	91
50) Dimethylphthalate	9.55	163	171536	4.194	ng	99
71) Phenanthrene	11.35	178	456968	8.838	ng	99
72) Anthracene	11.40	178	157866	2.966	ng	100
75) Fluoranthene	12.55	202	1083445	19.515	ng	97
78) Pyrene	12.78	202	1013189	15.265	ng	99
81) Benzo(a)anthracene	13.98	228	545598	9.736	ng	94
83) Chrysene	14.02	228	451282	8.202	ng	97
86) Indeno(1,2,3-cd)pyrene	16.96	276	205717	3.067	ng	95
88) Benzo(b)fluoranthene	15.05	252	534016m	11.585	ng	
89) Benzo(k)fluoranthene	15.07	252	165760m	4.122	ng	
90) Benzo(a)pyrene	15.42	252	369616	8.812	ng	# 93
92) Benzo(a,h,i)perylene	17.41	276	184618	4.593	ng	97

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

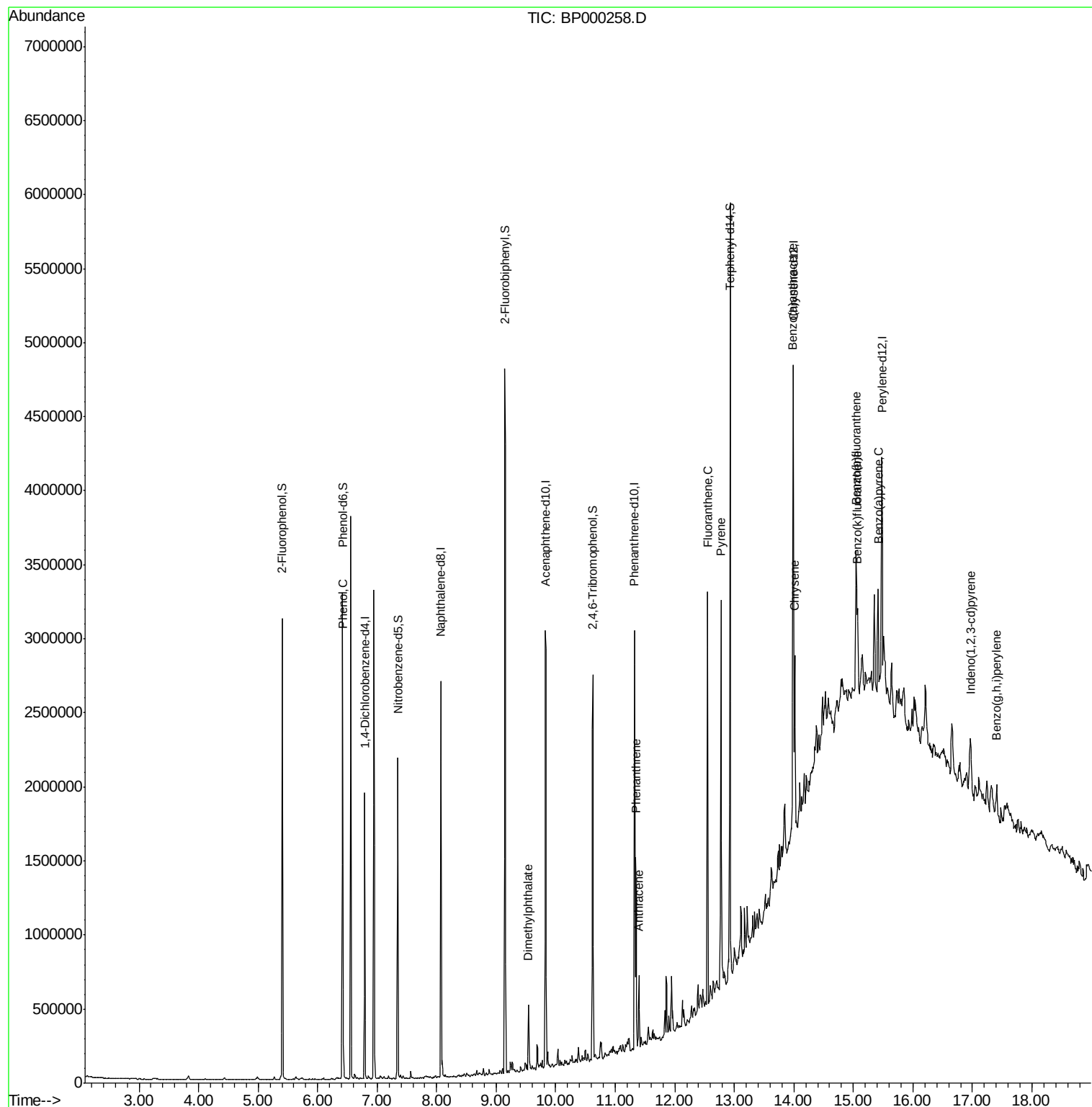
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091619\
Data File : BP000258.D
Acq On : 17 Sep 2019 00:02
Operator : HP/JU
Sample : K4873-06 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

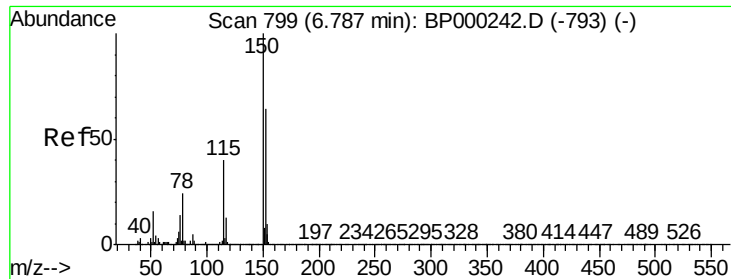
Instrument :
BNA_P
ClientSampleId :
COMP-30

Manual Integrations
APPROVED

mohammad
9/17/2019 1:27:52 PM

Quant Time: Sep 17 07:30:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 16 18:59:05 2019
Response via : Initial Calibration





#1

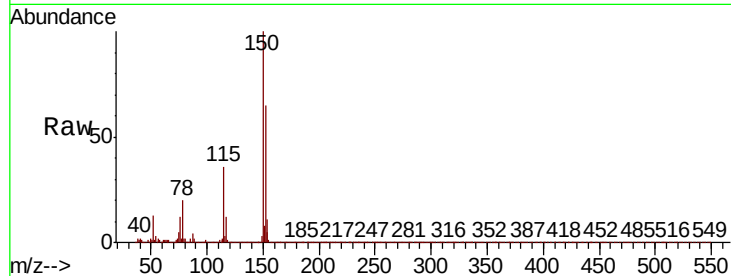
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.01 min
Lab File: BP000258.D
Acq: 17 Sep 2019 00:02

Instrument :
BNA_P
ClientSampleId :
COMP-30

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	125.2	187.8
115	55.8	49.7	74.5

Manual Integrations
APPROVED

mohammad
9/17/2019 1:27:52 PM

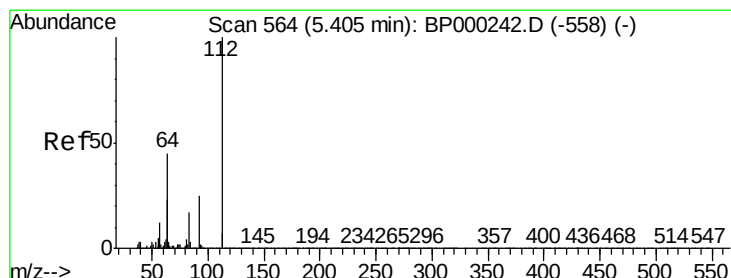
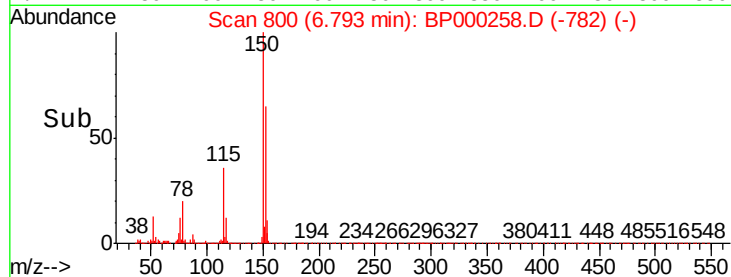
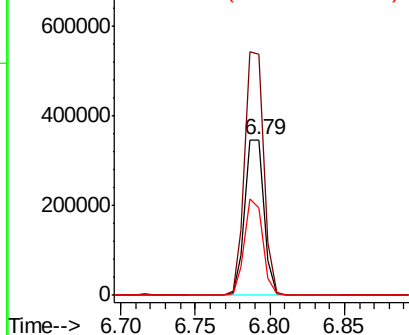


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

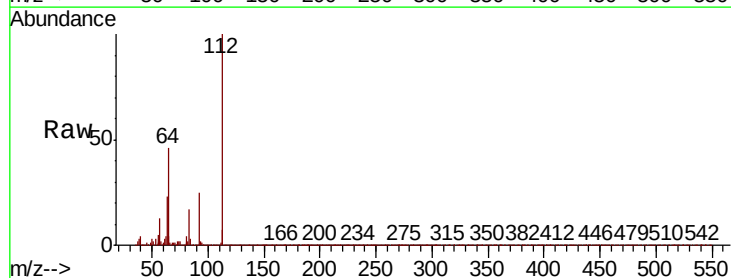
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 52.751 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.00 min
Lab File: BP000258.D
Acq: 17 Sep 2019 00:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	45.7	36.2	54.4
63	23.2	18.3	27.5

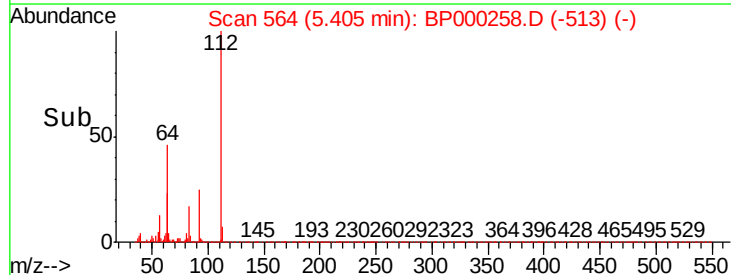
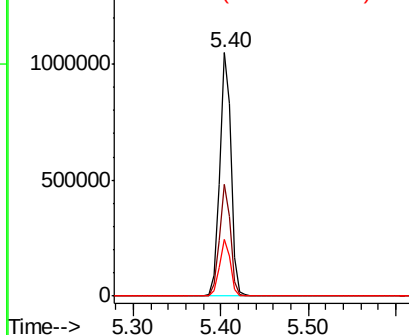


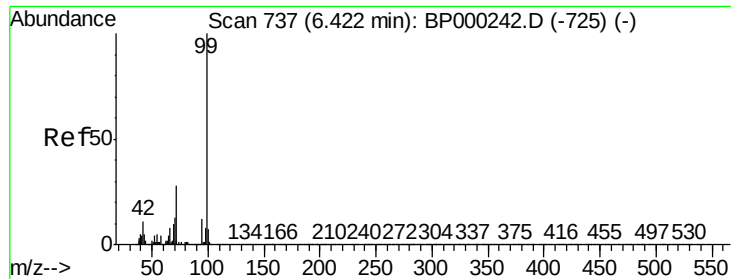
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 55.328 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BP000258.D

Acq: 17 Sep 2019 00:02

Instrument :

BNA_P

ClientSampled :

COMP-30

Tot Ion: 99 Resp: 1209201

Ion Ratio Lower Upper

99 100

42 11.3 8.5 12.7

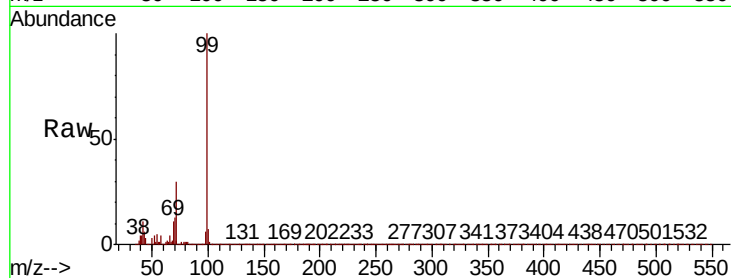
71 29.6 22.6 34.0

Manual Integrations

APPROVED

mohammad

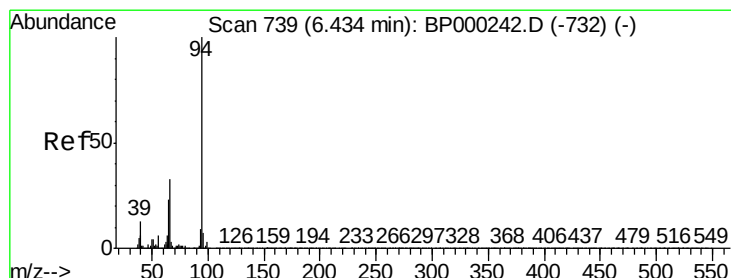
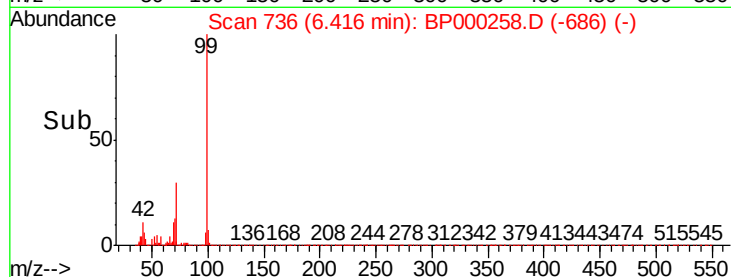
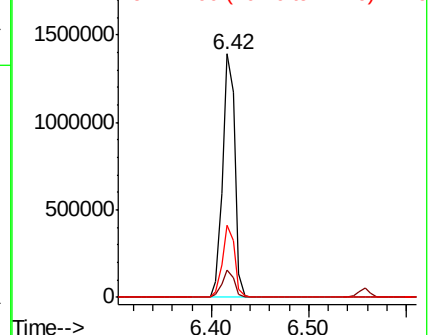
9/17/2019 1:27:52 PM



Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



#10

Phenol

Concen: 2.301 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BP000258.D

Acq: 17 Sep 2019 00:02

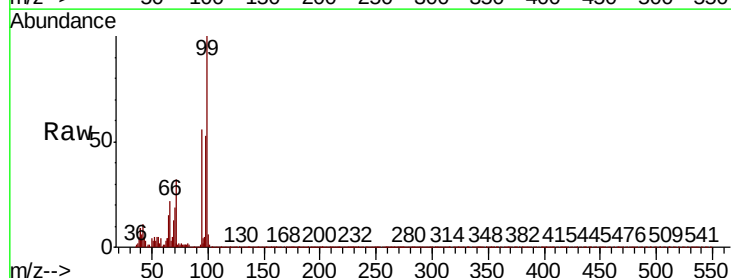
Tgt Ion: 94 Resp: 57127

Ion Ratio Lower Upper

94 100

65 26.1 3.3 43.3

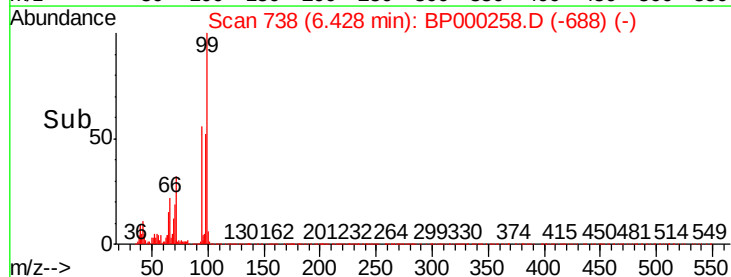
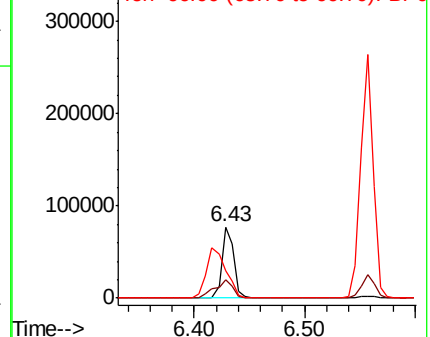
66 38.8 12.7 52.7

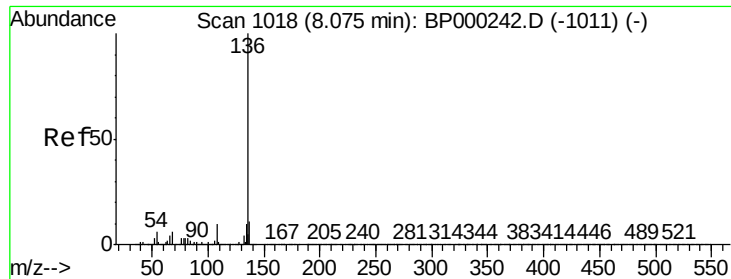


Abundance Ion 94.00 (93.70 to 94.70): BP0

Ion 65.00 (64.70 to 65.70): BP0

Ion 66.00 (65.70 to 66.70): BP0





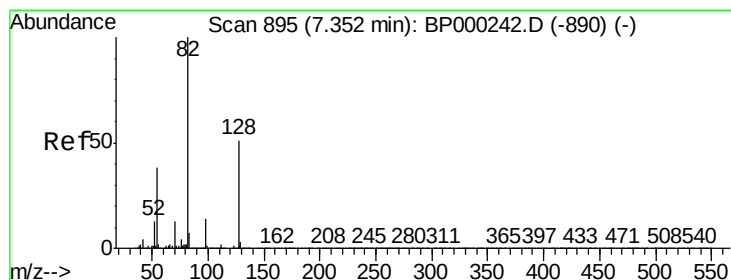
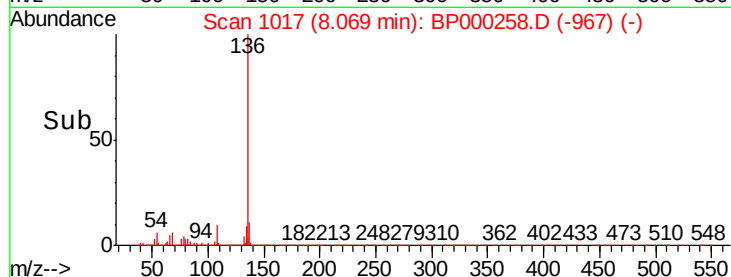
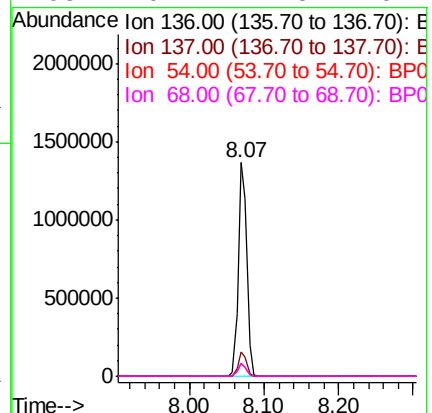
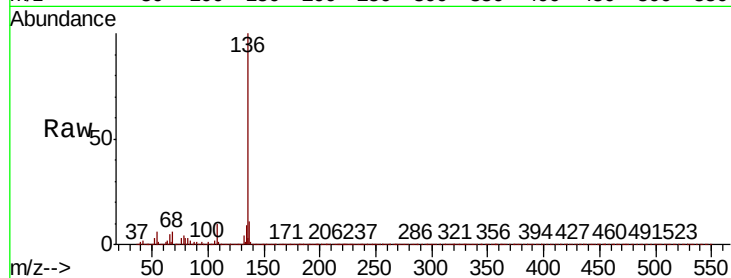
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BP000258.D
Acq: 17 Sep 2019 00:02

Instrument :
BNA_P
ClientSampleId :
COMP-30

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	11.3	8.6	13.0		
54	6.1	4.5	6.7		
68	6.2	4.5	6.7		

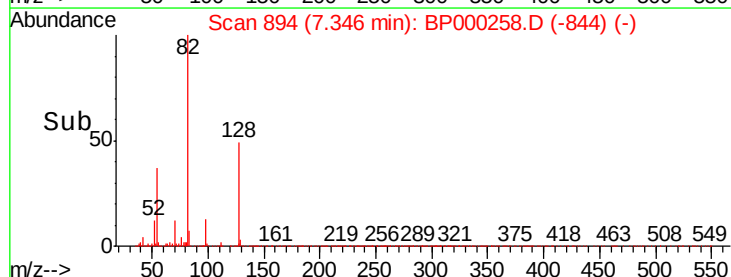
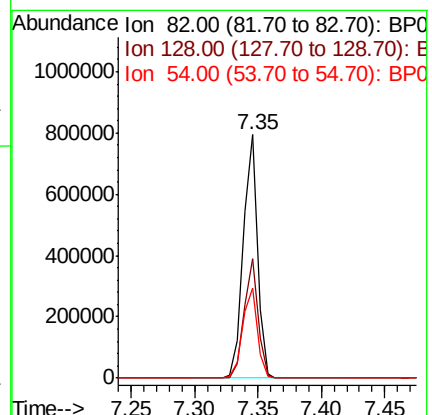
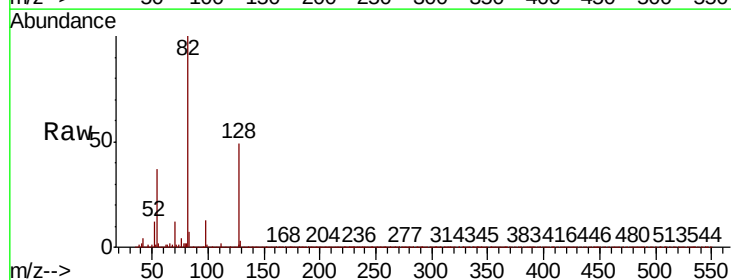
Manual Integrations
APPROVED

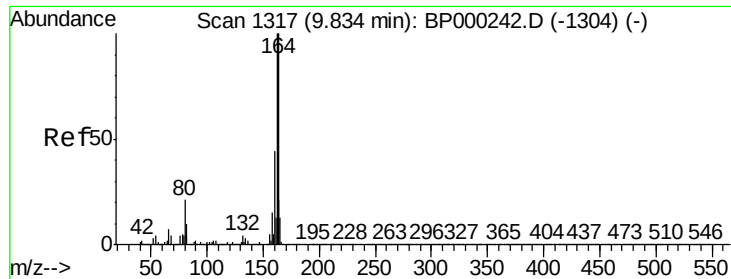
mohammad
9/17/2019 1:27:52 PM



#23
Nitrobenzene-d5
Concen: 35.017 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BP000258.D
Acq: 17 Sep 2019 00:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100				
128	49.1	40.7	61.1		
54	37.2	30.1	45.1		





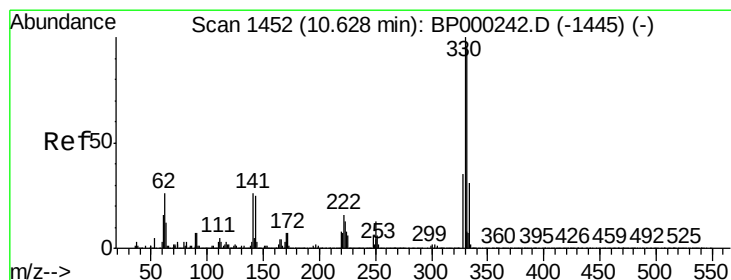
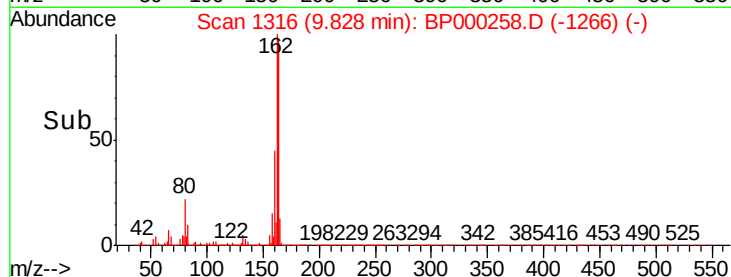
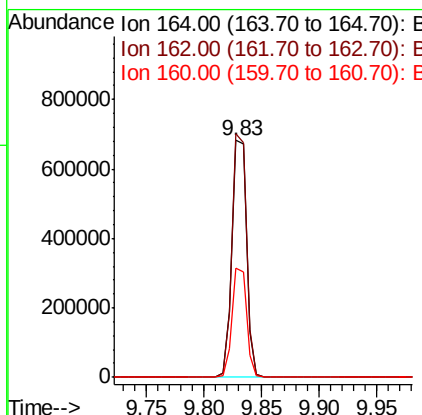
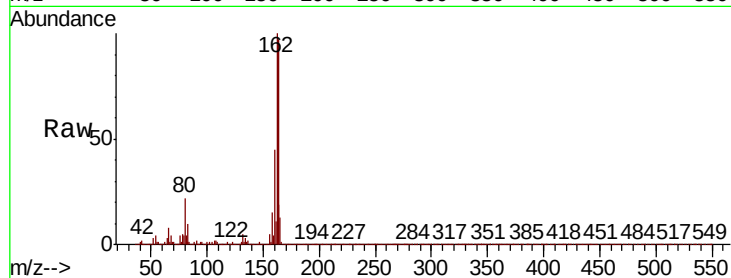
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BP000258.D
Acq: 17 Sep 2019 00:02

Instrument :
BNA_P
ClientSampleId :
COMP-30

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.7	79.9	119.9	
160	45.9	35.6	53.4	

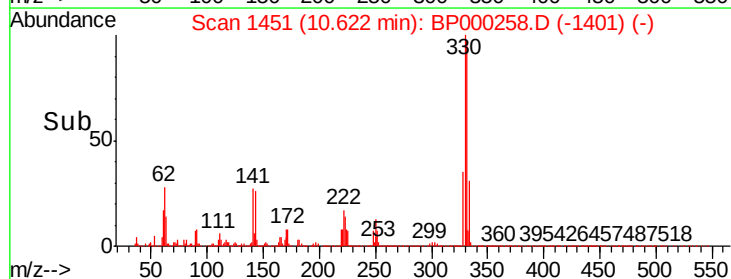
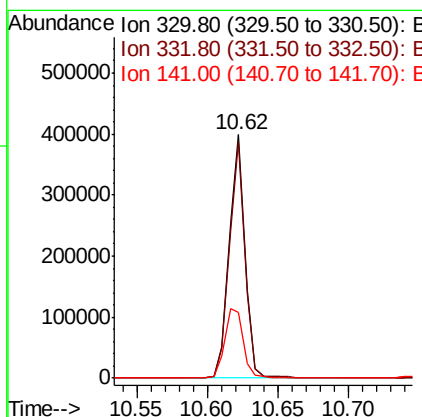
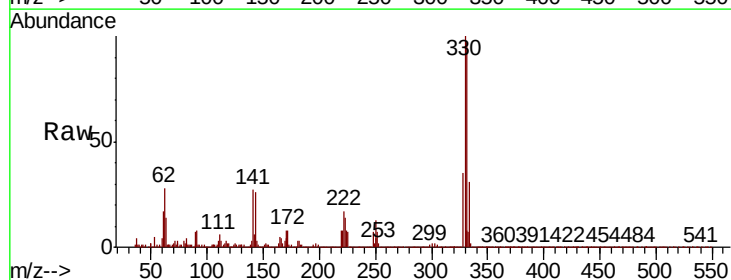
Manual Integrations
APPROVED

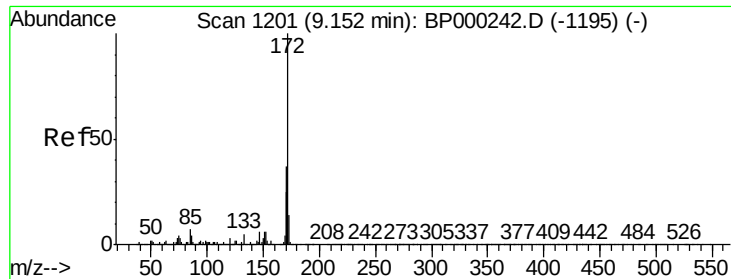
mohammad
9/17/2019 1:27:52 PM



#42
2,4,6-Tribromophenol
Concen: 52.252 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BP000258.D
Acq: 17 Sep 2019 00:02

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.0	76.6	115.0	
141	32.9	26.5	39.7	





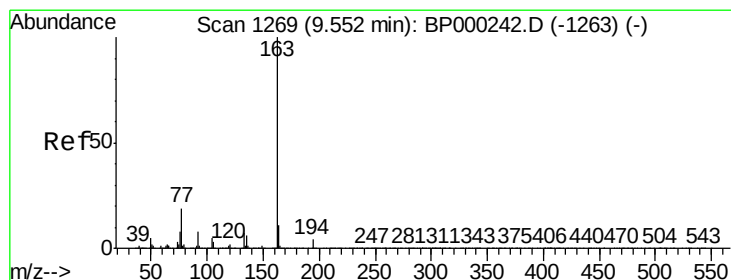
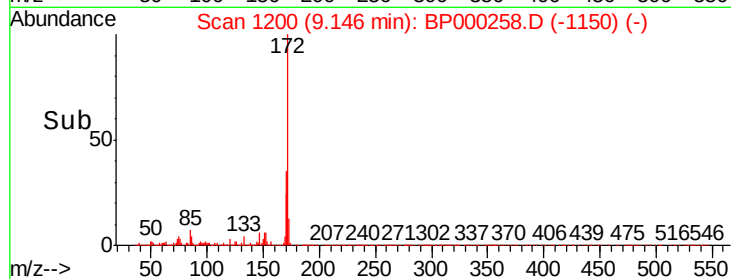
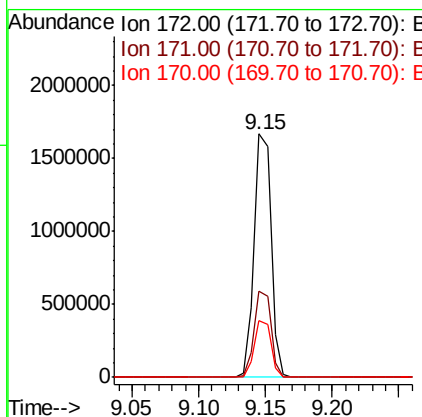
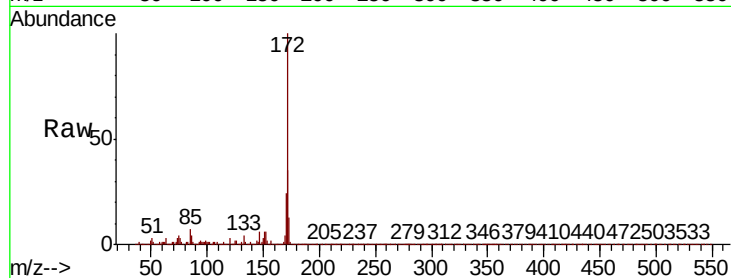
#45
2-Fluorobiphenyl
Concen: 43.352 ng
RT: 9.15 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BP000258.D
Acq: 17 Sep 2019 00:02

Instrument :
BNA_P
ClientSampleId :
COMP-30

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.8	44.6
170	23.6	19.8	29.6

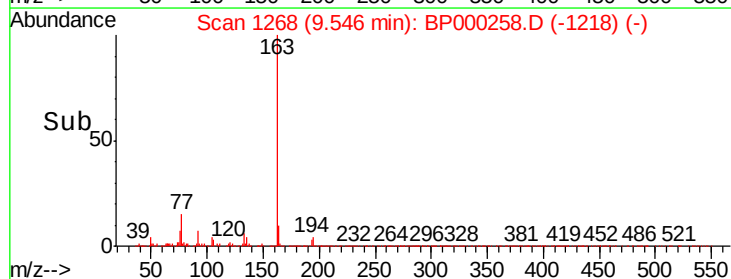
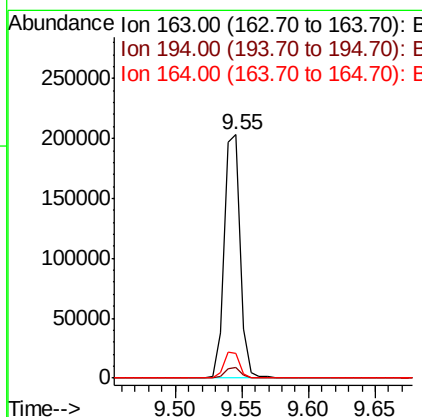
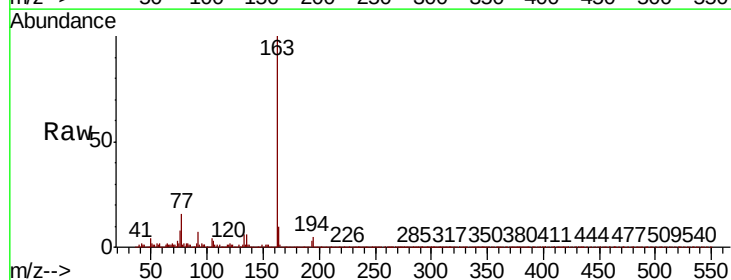
Manual Integrations
APPROVED

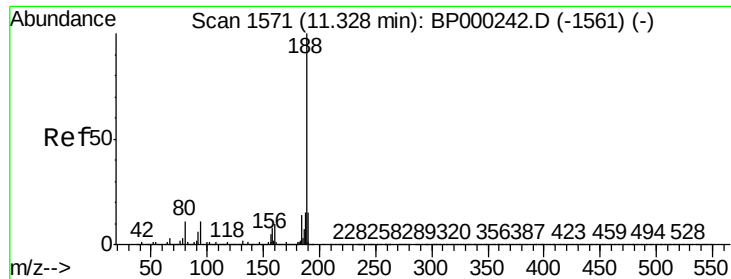
mohammad
9/17/2019 1:27:52 PM



#50
Dimethylphthalate
Concen: 4.194 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BP000258.D
Acq: 17 Sep 2019 00:02

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.4	5.0
164	10.0	8.5	12.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BP000258.D

Acq: 17 Sep 2019 00:02

Instrument :

BNA_P

ClientSampleId :

COMP-30

Tot Ion:188 Resp: 1031768

Ion Ratio Lower Upper

188 100

94 10.7 8.5 12.7

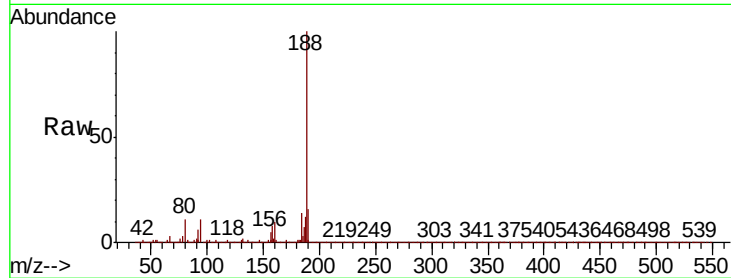
80 11.1 8.6 13.0

Manual Integrations

APPROVED

mohammad

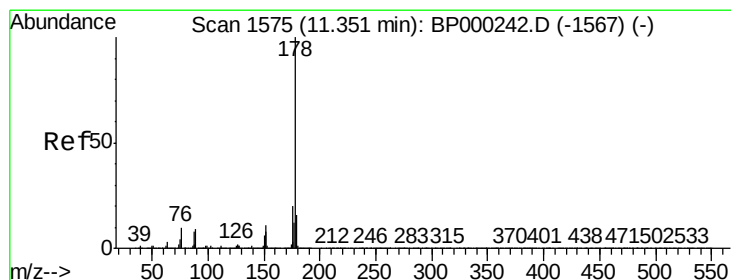
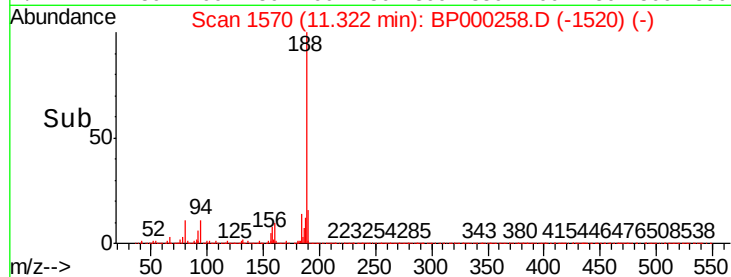
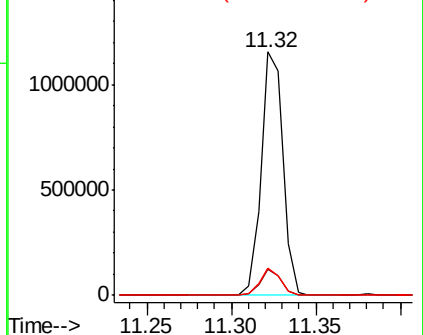
9/17/2019 1:27:52 PM



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0



#71

Phenanthrene

Concen: 8.838 ng

RT: 11.35 min Scan# 1574

Delta R.T. -0.01 min

Lab File: BP000258.D

Acq: 17 Sep 2019 00:02

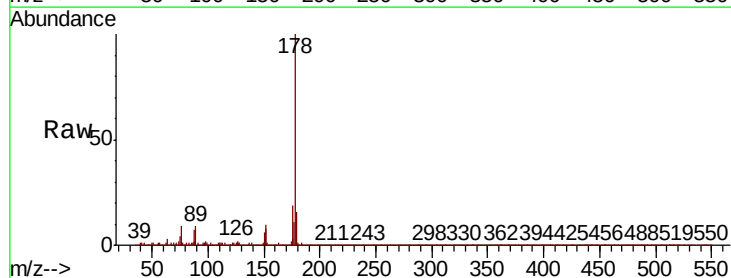
Tgt Ion:178 Resp: 456968

Ion Ratio Lower Upper

178 100

176 19.0 15.8 23.8

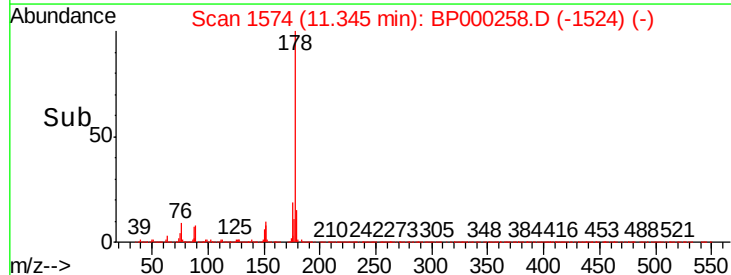
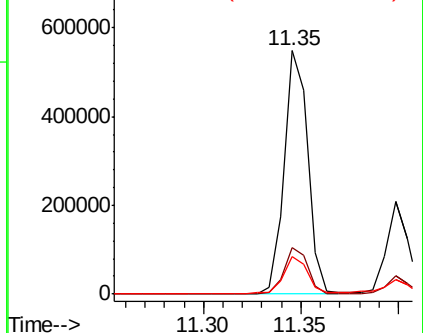
179 15.6 12.7 19.1

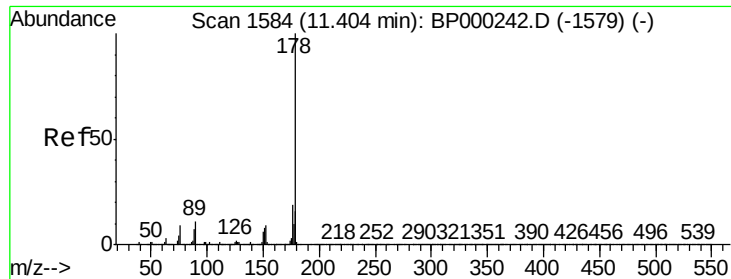


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





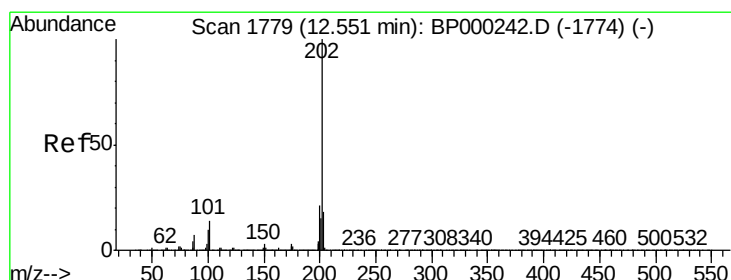
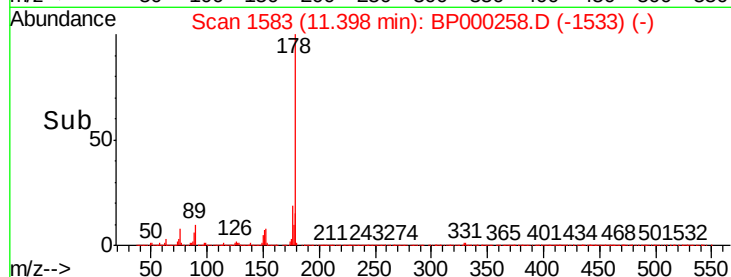
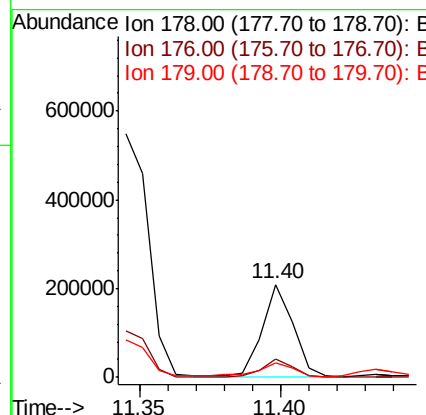
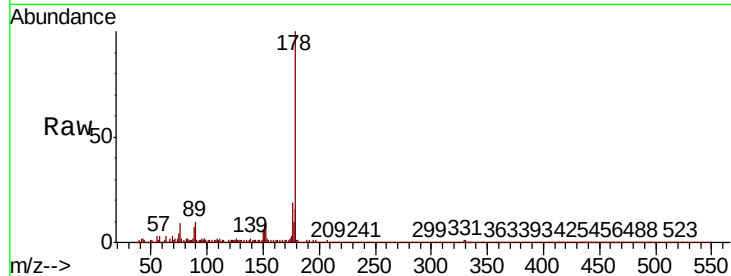
#72
 Anthracene
 Concen: 2.966 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BP000258.D
 Acq: 17 Sep 2019 00:02

Instrument :
 BNA_P
 ClientSampleId :
 COMP-30

Tot Ion:	178	Resp:	157866
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.4	23.0
179	15.7	12.7	19.1

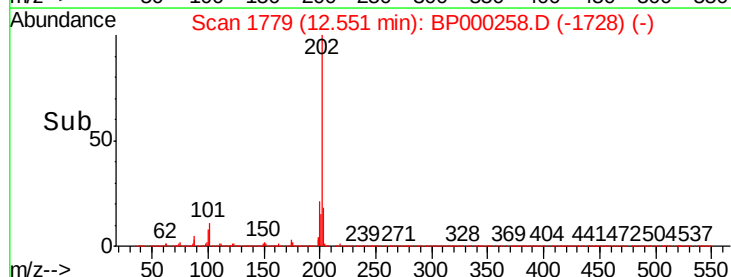
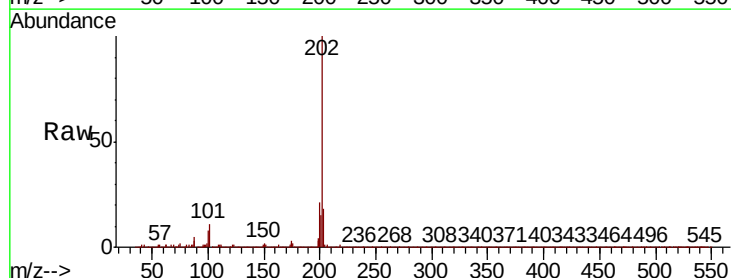
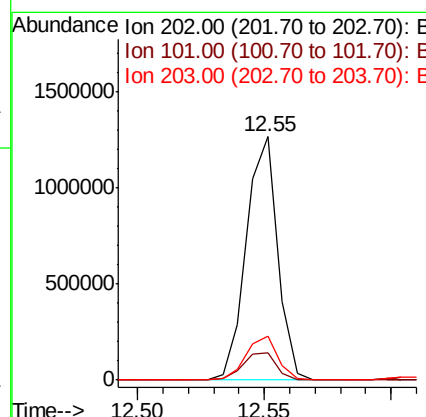
Manual Integrations
 APPROVED

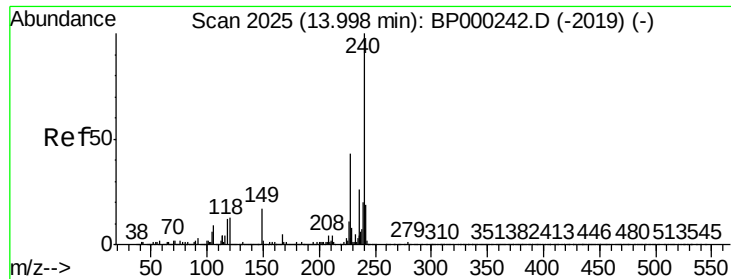
mohammad
 9/17/2019 1:27:52 PM



#75
 Fluoranthene
 Concen: 19.515 ng
 RT: 12.55 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: BP000258.D
 Acq: 17 Sep 2019 00:02

Tgt Ion:	202	Resp:	1083445
Ion Ratio	Lower	Upper	
202	100		
101	11.1	0.0	33.9
203	18.1	0.0	38.0





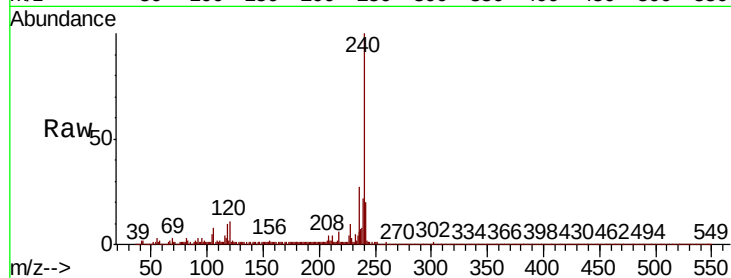
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BP000258.D
Acq: 17 Sep 2019 00:02

Instrument :
BNA_P
ClientSampleId :
COMP-30

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.4	10.4	15.6
236	26.6	21.0	31.6

Manual Integrations
APPROVED

mohammad
9/17/2019 1:27:52 PM

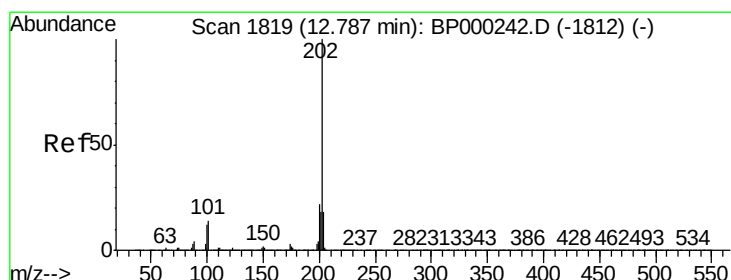
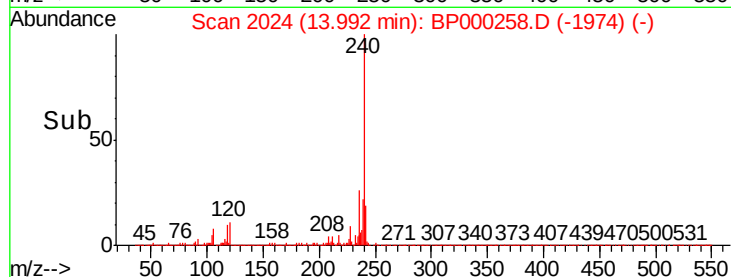
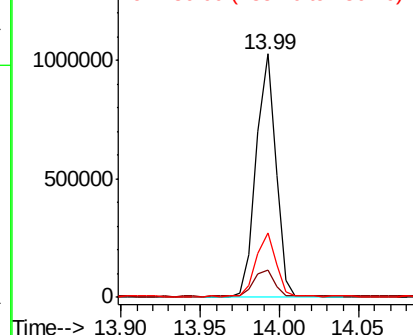


Abundance

Ion 240.00 (239.70 to 240.70): E

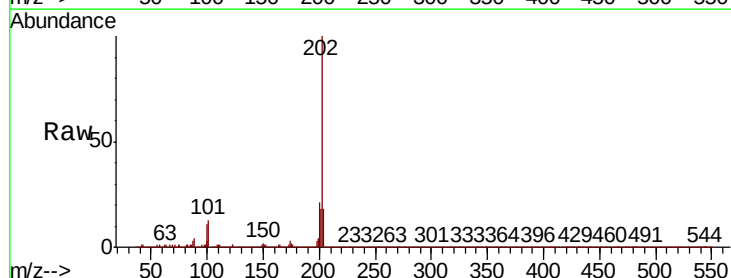
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 15.265 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BP000258.D
Acq: 17 Sep 2019 00:02

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.5	26.3
203	17.7	14.3	21.5

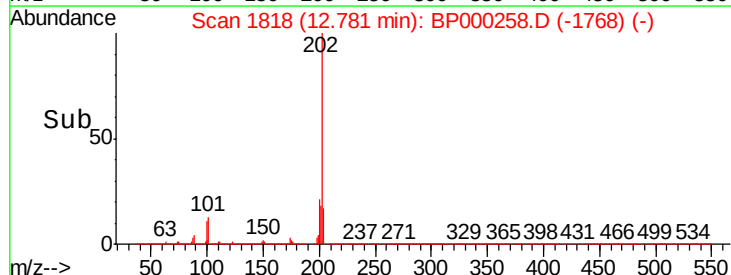
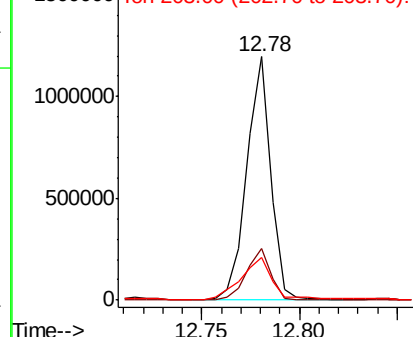


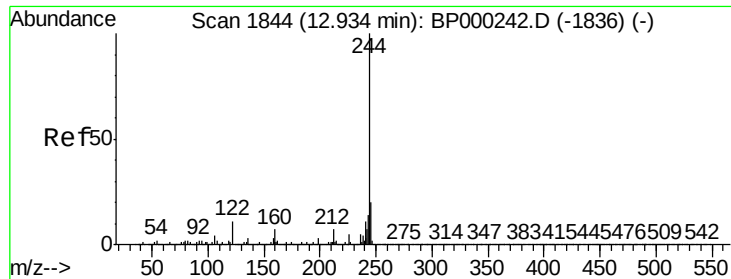
Abundance

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





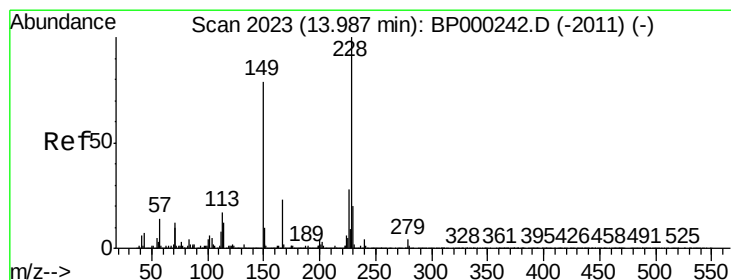
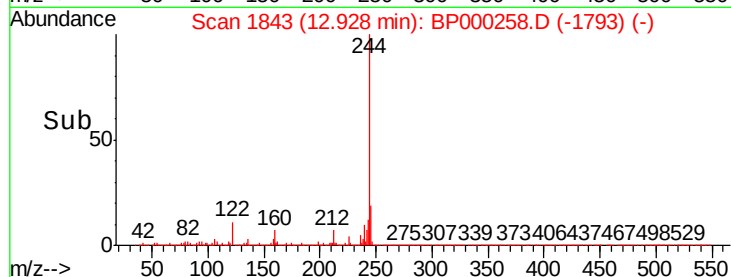
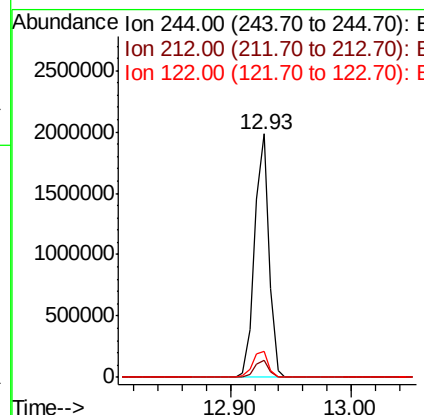
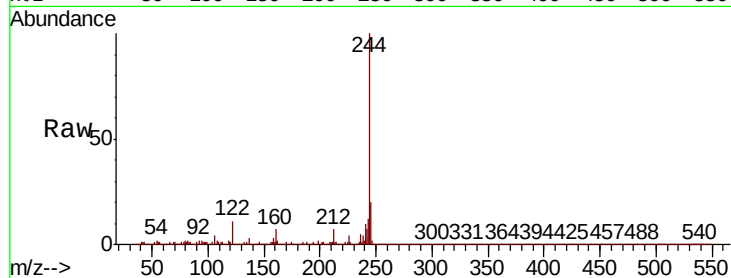
#79
 Terphenyl-d14
 Concen: 38.822 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: BP000258.D
 Acq: 17 Sep 2019 00:02

Instrument :
 BNA_P
 ClientSampled :
 COMP-30

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.9	8.9
122	10.7	9.0	13.4

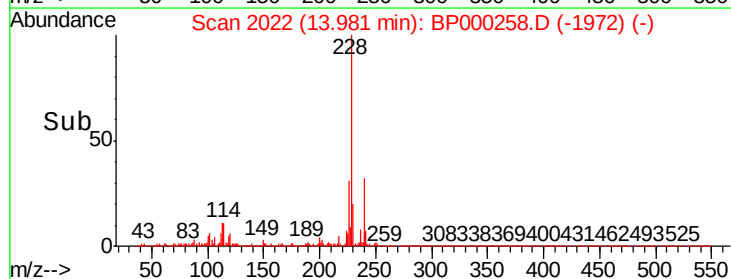
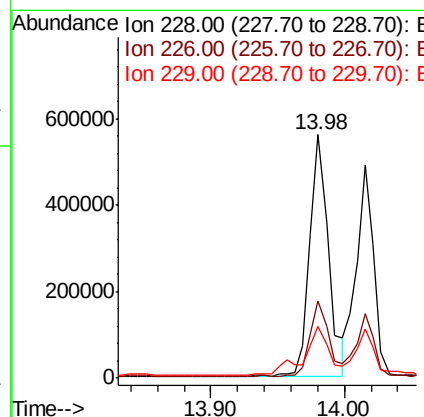
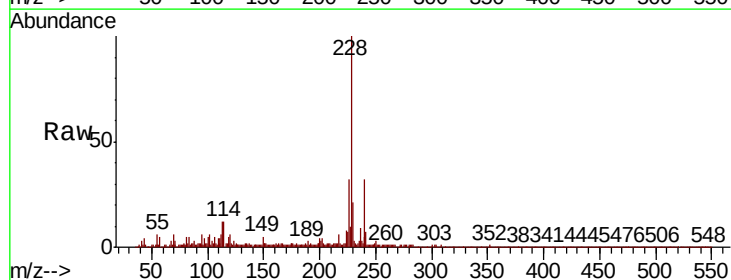
Manual Integrations
 APPROVED

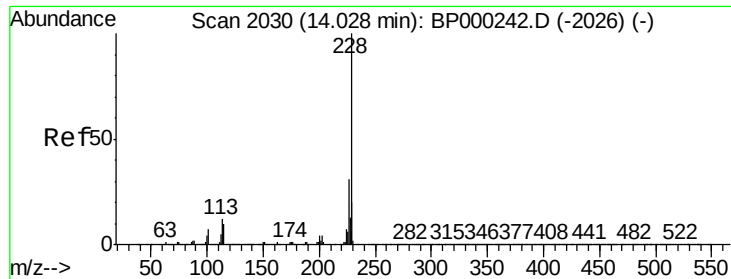
mohammad
 9/17/2019 1:27:52 PM



#81
 Benzo(a)anthracene
 Concen: 9.736 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: BP000258.D
 Acq: 17 Sep 2019 00:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.8	22.2	33.4
229	21.4	16.0	24.0





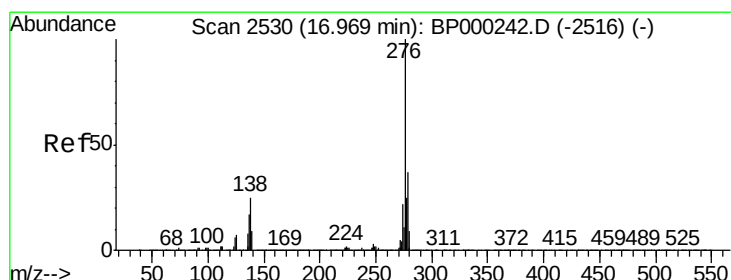
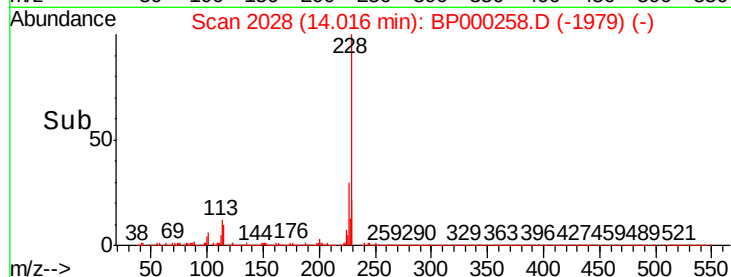
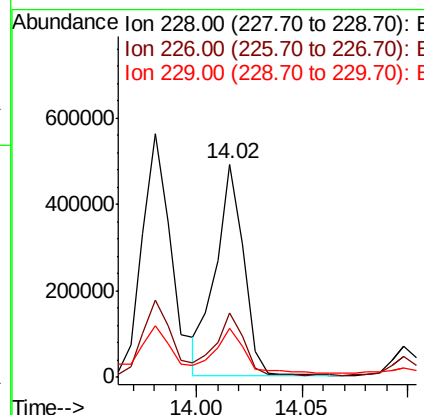
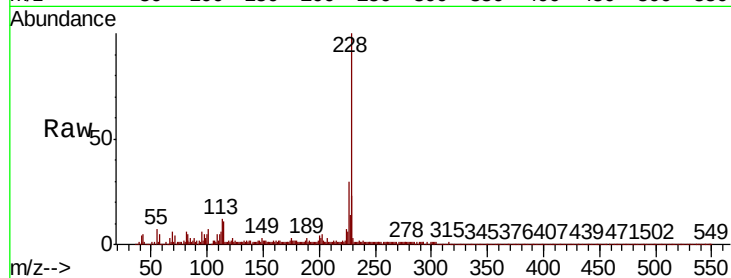
#83
Chrysene
Concen: 8.202 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BP000258.D
Acq: 17 Sep 2019 00:02

Instrument :
BNA_P
ClientSampleId :
COMP-30

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.9	37.3
229	23.0	16.2	24.2

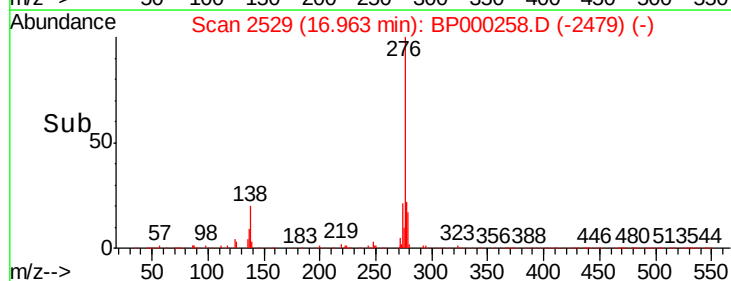
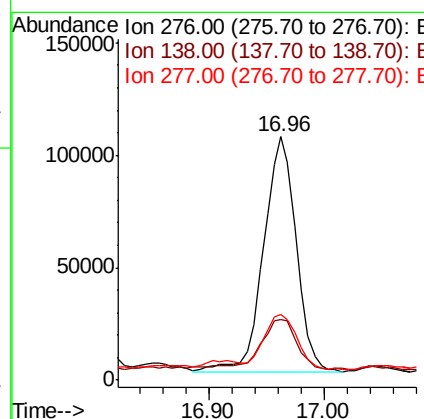
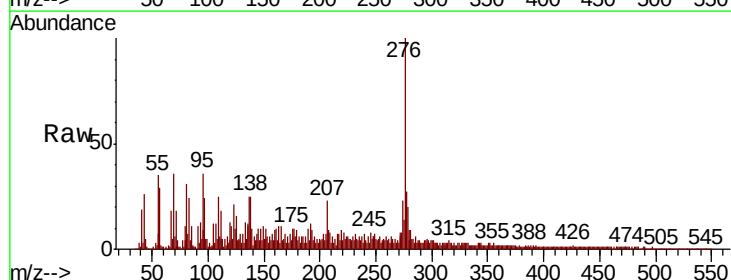
Manual Integrations
APPROVED

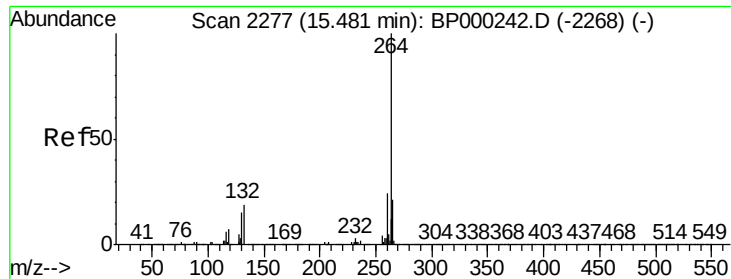
mohammad
9/17/2019 1:27:52 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 3.067 ng
RT: 16.96 min Scan# 2529
Delta R.T. -0.01 min
Lab File: BP000258.D
Acq: 17 Sep 2019 00:02

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.7	22.6	33.8
277	24.4	20.4	30.6





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.48 min Scan# 2277

Delta R.T. -0.00 min

Lab File: BP000258.D

Acq: 17 Sep 2019 00:02

Instrument :

BNA_P

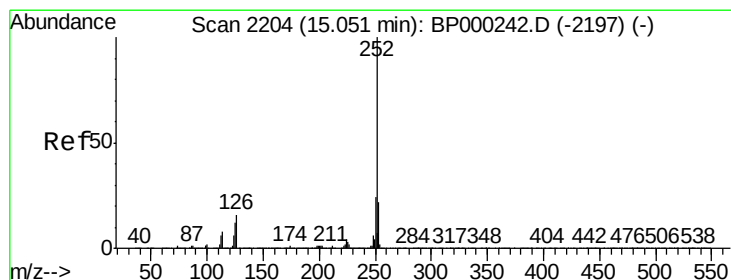
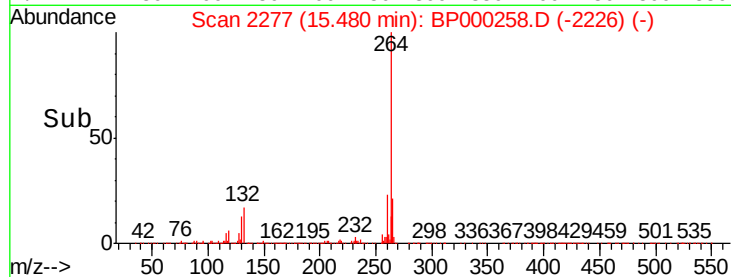
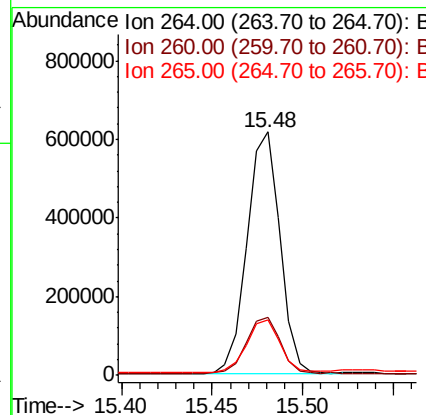
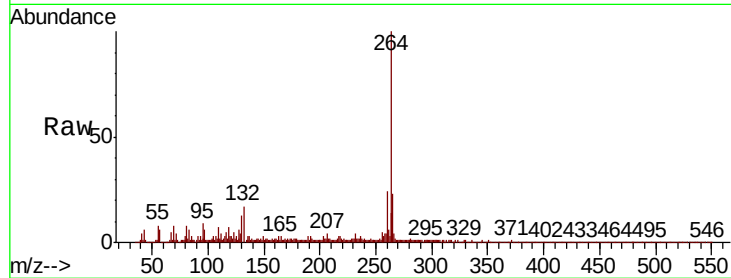
ClientSampleId :

COMP-30

Tot Ion:	264	Resp:	772688
Ion Ratio		Lower	Upper
264	100		
260	23.9	18.9	28.3
265	22.6	17.2	25.8

Manual Integrations
APPROVED

mohammad
9/17/2019 1:27:52 PM



#88

Benzo(b)fluoranthene

Concen: 11.585 ng m

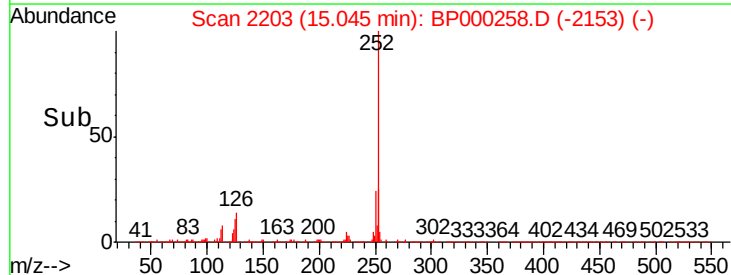
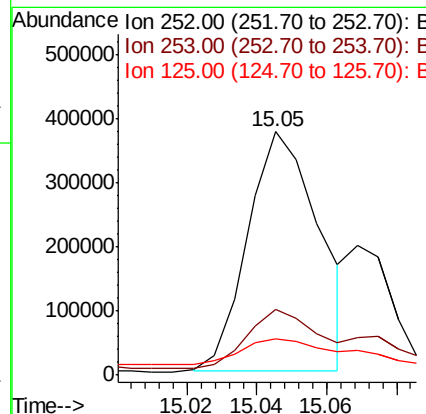
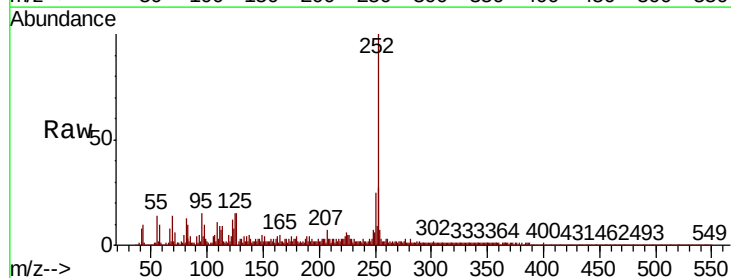
RT: 15.05 min Scan# 2203

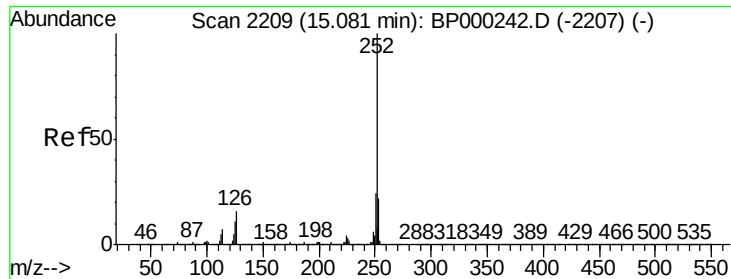
Delta R.T. -0.01 min

Lab File: BP000258.D

Acq: 17 Sep 2019 00:02

Tgt Ion:	252	Resp:	534016
Ion Ratio		Lower	Upper
252	100		
253	27.0	17.8	26.6#
125	15.0	9.5	14.3#





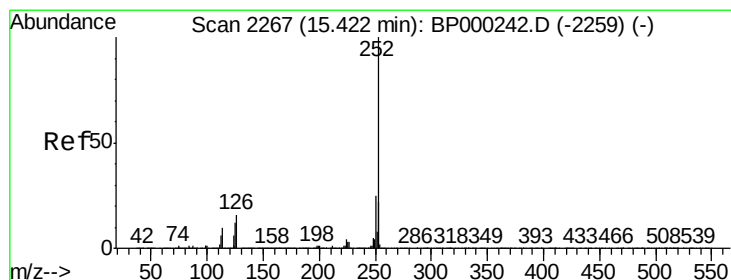
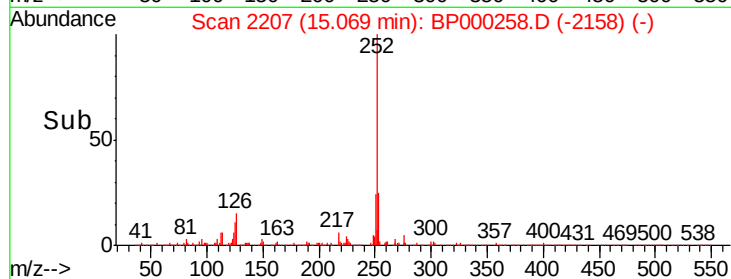
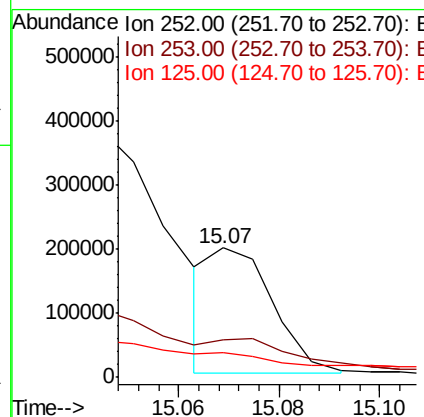
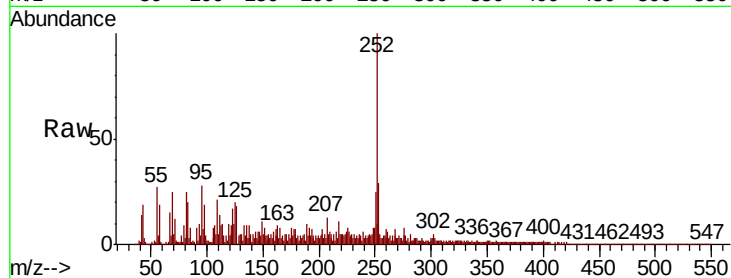
#89
Benzo(k)fluoranthene
Concen: 4.122 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BP000258.D
Acq: 17 Sep 2019 00:02

Instrument :
BNA_P
ClientSampled :
COMP-30

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.2	17.8	26.8#
125	19.6	9.6	14.4#

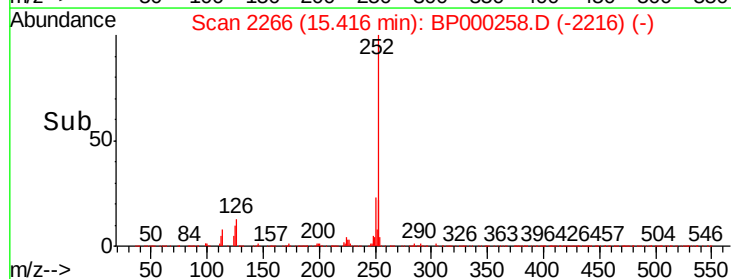
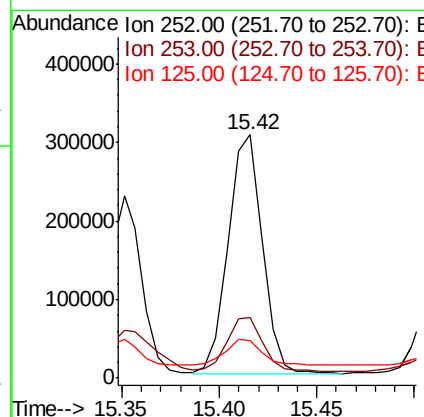
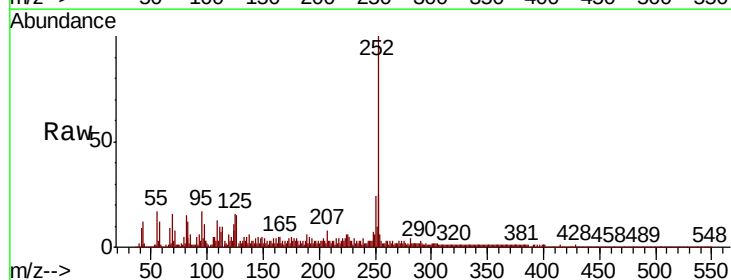
Manual Integrations
APPROVED

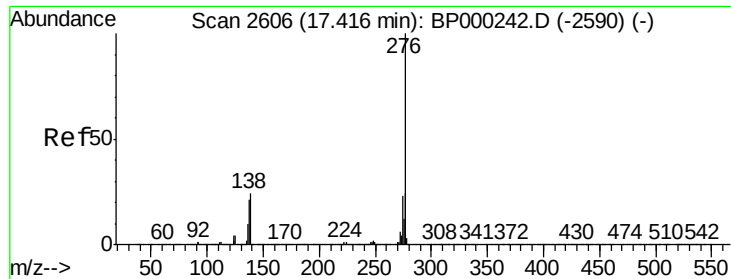
mohammad
9/17/2019 1:27:52 PM



#90
Benzo(a)pyrene
Concen: 8.812 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BP000258.D
Acq: 17 Sep 2019 00:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.7	26.5
125	15.6	10.0	15.0#





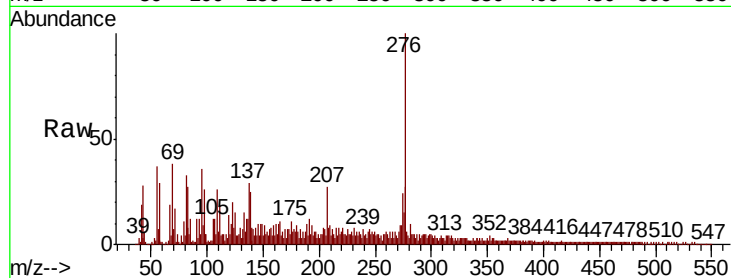
#92
 Benzo(a,h,i)perylene
 Concen: 4.593 ng
 RT: 17.41 min Scan# 2605
 Delta R.T. -0.01 min
 Lab File: BP000258.D
 Acq: 17 Sep 2019 00:02

Instrument :
 BNA_P
 ClientSampleId :
 COMP-30

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	27.1	19.1	28.7
138	24.5	19.5	29.3

Manual Integrations
 APPROVED

mohammad
 9/17/2019 1:27:52 PM



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

