

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091719\
 Data File : BP000267.D
 Acq On : 17 Sep 2019 13:00
 Operator : HP/JU
 Sample : K4863-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CSA-4-6

Manual Integrations
 APPROVED

mohammad
 9/19/2019 4:45:56 PM

Quant Time: Sep 18 07:32:42 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	344497	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	1249848	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	686078	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	1207469	20.00	ng	0.00
76) Chrysene-d12	13.99	240	939633	20.00	ng	0.00
87) Perylene-d12	15.49	264	806840	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	183098	9.18	ng	0.00
7) Phenol-d6	6.42	99	231641	9.47	ng	0.00
23) Nitrobenzene-d5	7.35	82	105591	5.45	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	59451	8.74	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	301648	7.91	ng	0.00
79) Terphenyl-d14	12.93	244	330523	7.38	ng	0.00
Target Compounds						
71) Phenanthrene	11.35	178	273415	4.519	ng	98
75) Fluoranthene	12.55	202	330303	5.084	ng	96
78) Pyrene	12.78	202	312109	4.440	ng	98
81) Benzo(a)anthracene	13.99	228	144139	2.428	ng	# 88
83) Chrysene	14.02	228	138804	2.382	ng	# 91
88) Benzo(b)fluoranthene	15.05	252	159605m	3.316	ng	
90) Benzo(a)pyrene	15.42	252	107470	2.454	ng	# 68

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

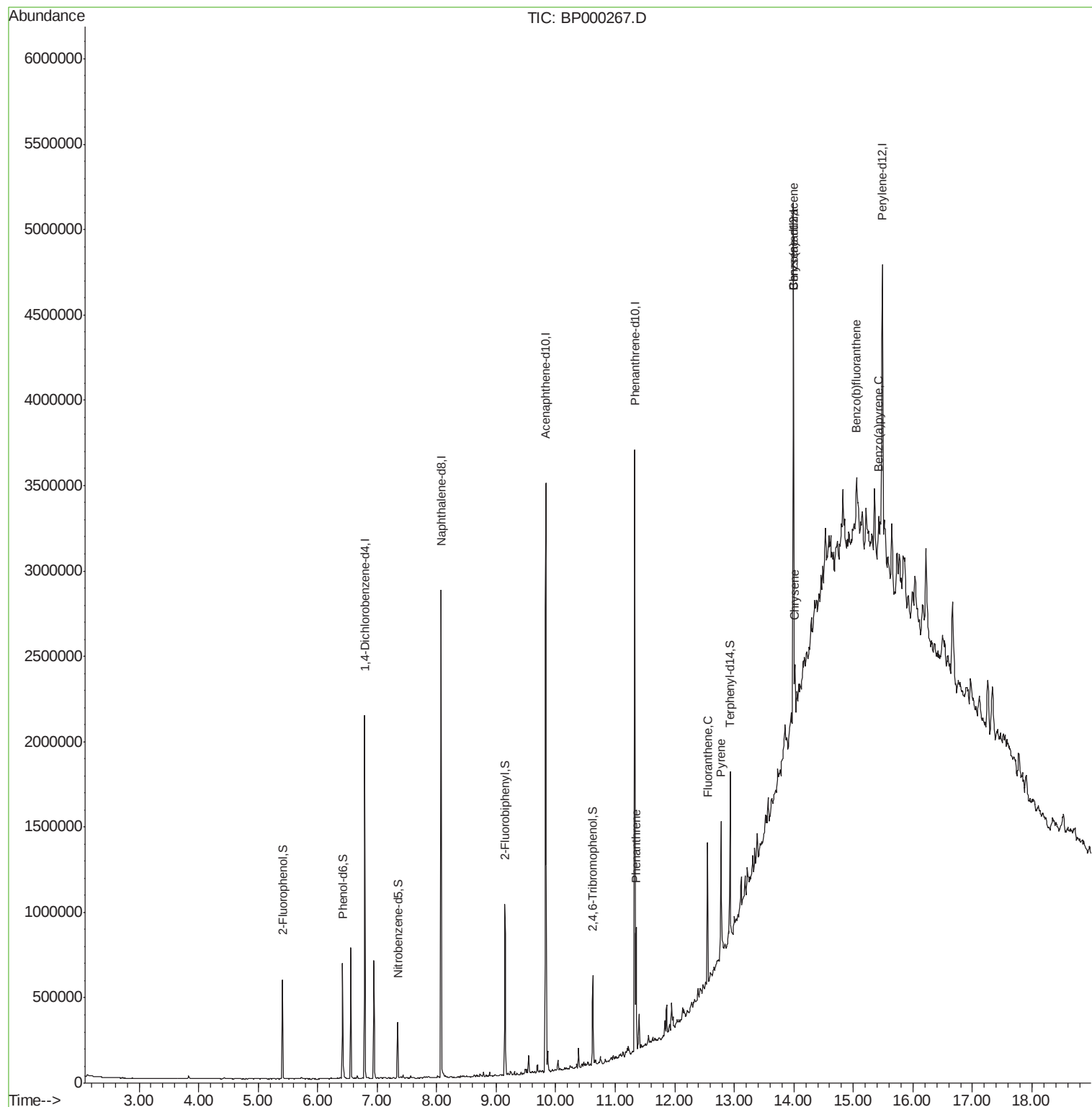
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091719\
Data File : BP000267.D
Acq On : 17 Sep 2019 13:00
Operator : HP/JU
Sample : K4863-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

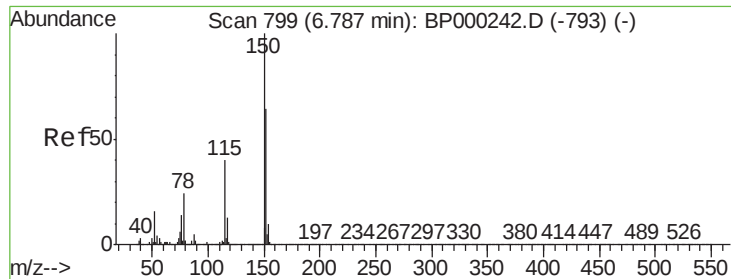
Instrument :
BNA_P
ClientSampleId :
CSA-4-6

Manual Integrations
APPROVED

mohammad
9/19/2019 4:45:56 PM

Quant Time: Sep 18 07:32:42 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

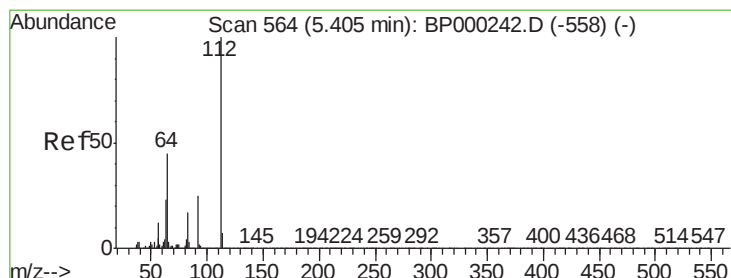
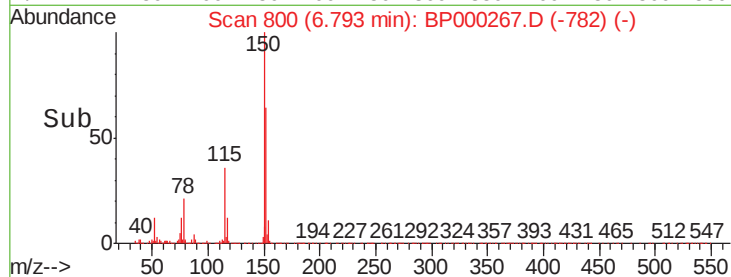
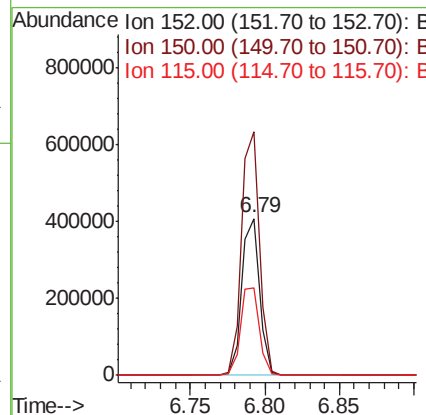
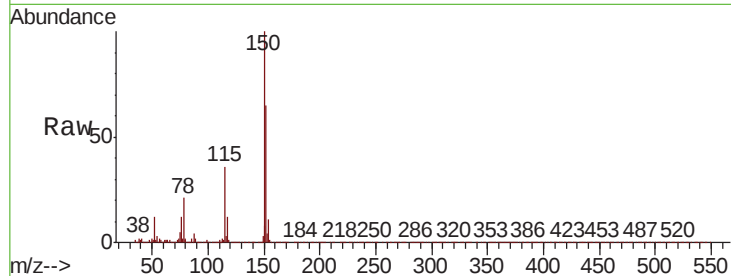
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.01 min
Lab File: BP000267.D
Acq: 17 Sep 2019 13:00

Instrument :
BNA_P
ClientSampleId :
CSA-4-6

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	125.2	187.8
115	55.5	49.7	74.5

Manual Integrations
APPROVED

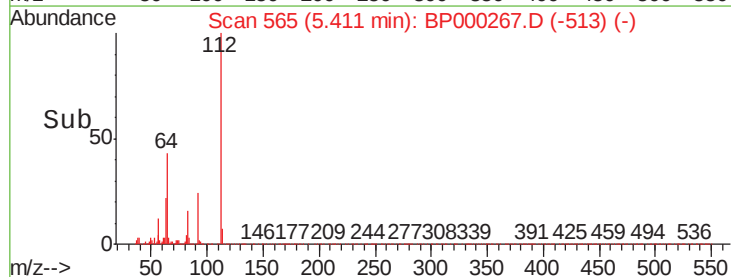
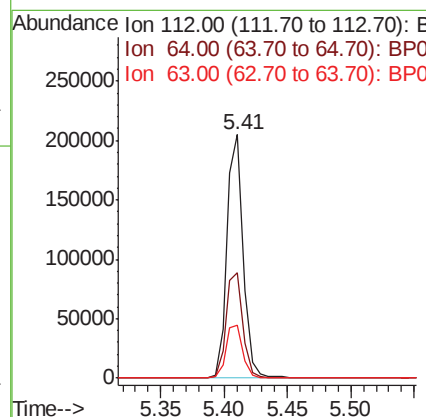
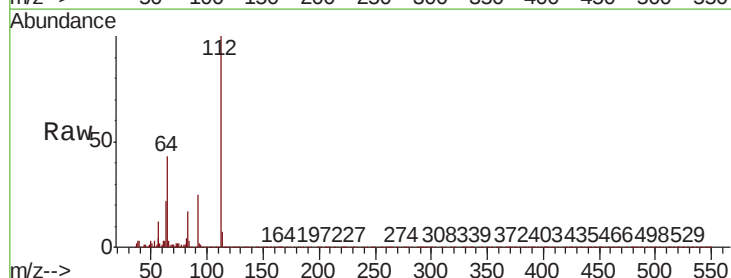
mohammad
9/19/2019 4:45:56 PM

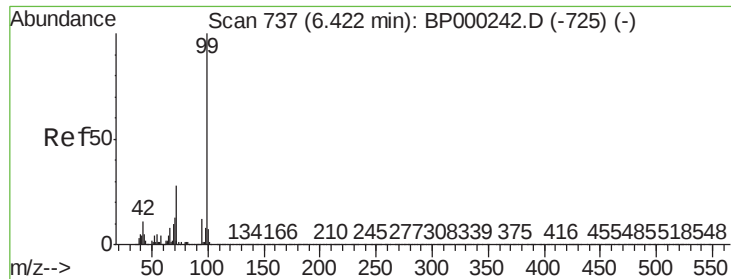


#5

2-Fluorophenol
Concen: 9.175 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BP000267.D
Acq: 17 Sep 2019 13:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	43.3	36.2	54.4
63	21.8	18.3	27.5





#7

Phenol-d6

Concen: 9.470 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BP000267.D

Acq: 17 Sep 2019 13:00

Instrument :

BNA_P

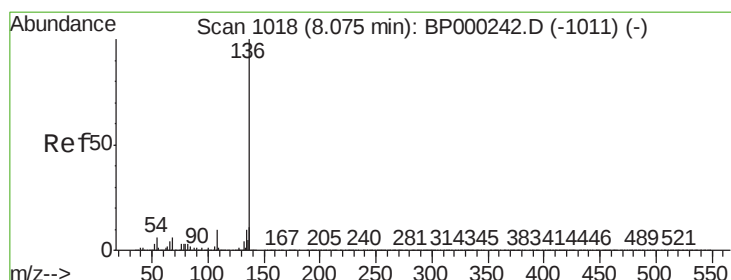
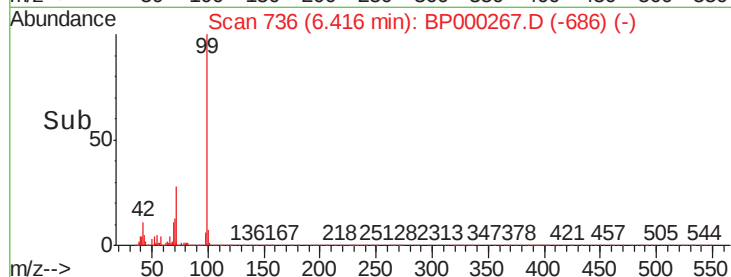
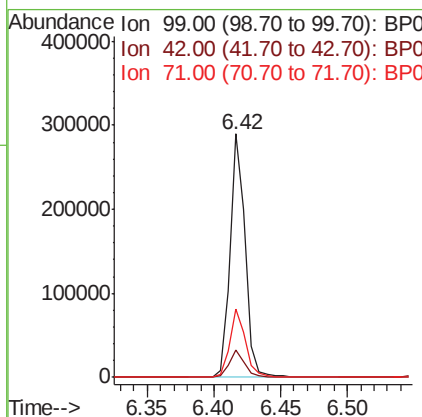
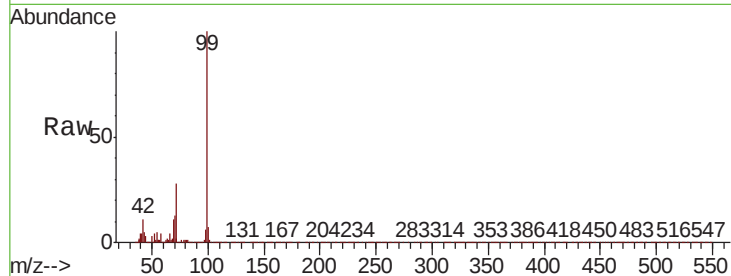
ClientSampleId :

CSA-4-6

Tot Ion:	99	Resp:	231641
Ion Ratio	Lower	Upper	
99	100		
42	11.2	8.5	12.7
71	28.3	22.6	34.0

Manual Integrations
APPROVED

mohammad
9/19/2019 4:45:56 PM



#21

Naphthalene-d8

Concen: 20.000 ng

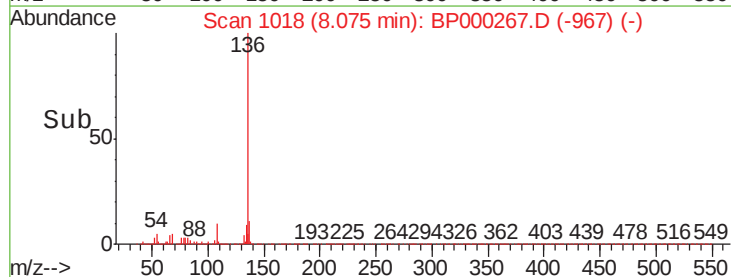
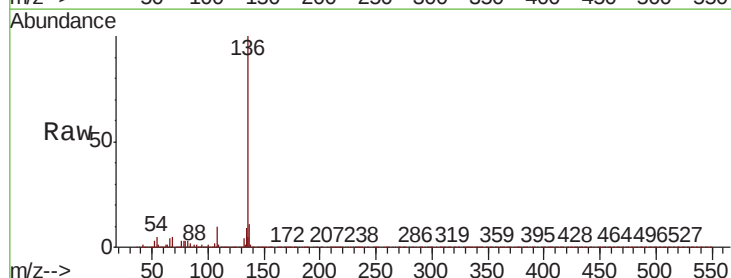
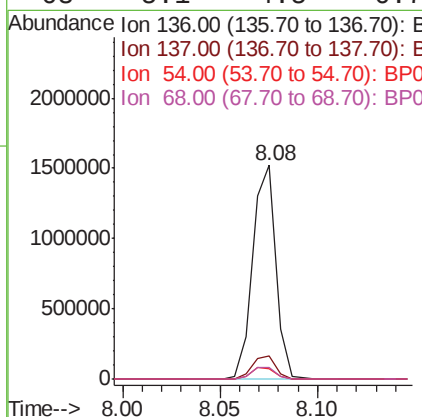
RT: 8.08 min Scan# 1018

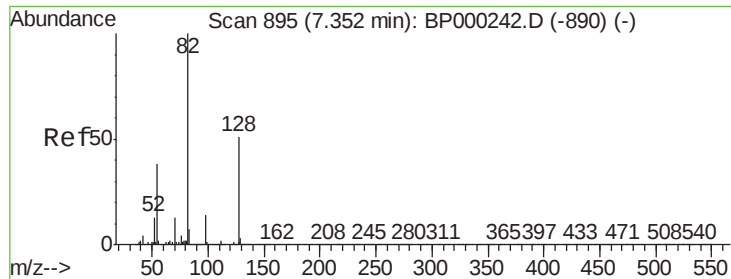
Delta R.T. -0.00 min

Lab File: BP000267.D

Acq: 17 Sep 2019 13:00

Tgt Ion:	136	Resp:	1249848
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.6	13.0
54	5.0	4.5	6.7
68	5.1	4.5	6.7





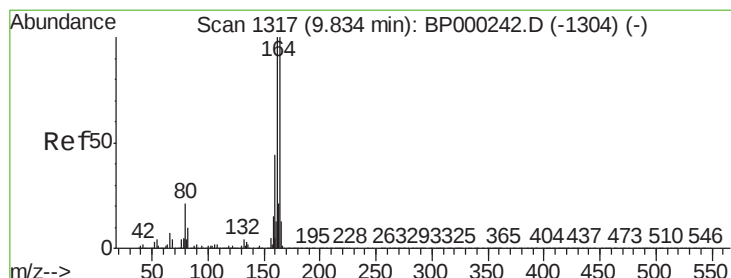
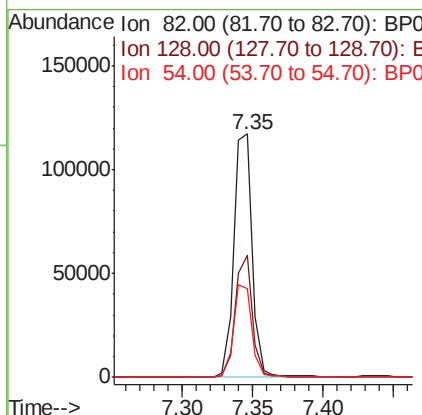
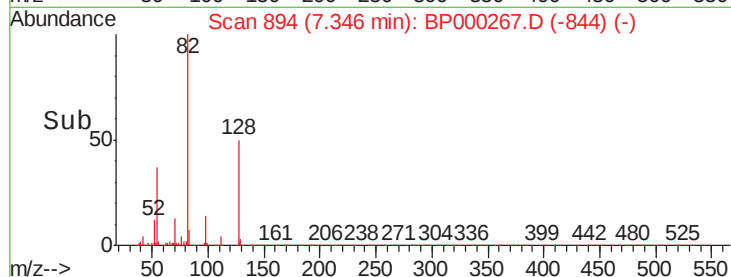
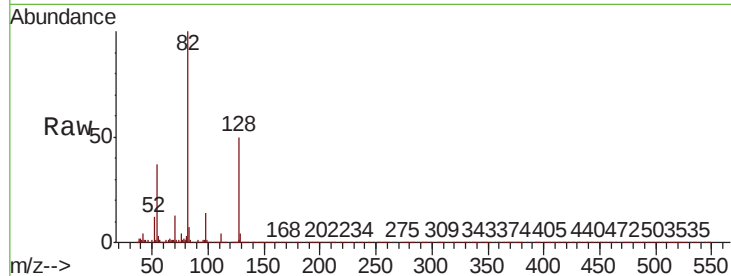
#23
Nitrobenzene-d5
Concen: 5.451 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BP000267.D
Acq: 17 Sep 2019 13:00

Instrument :
BNA_P
ClientSampleId :
CSA-4-6

Tot Ion	Ratio	Lower	Upper
82	100		
128	50.2	40.7	61.1
54	36.6	30.1	45.1

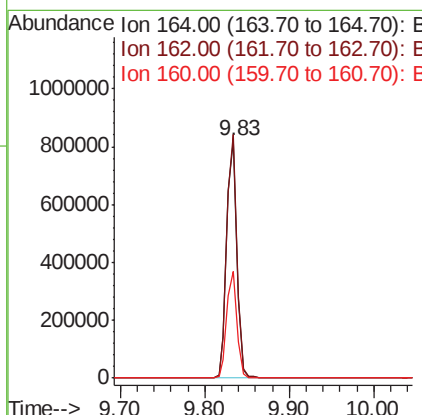
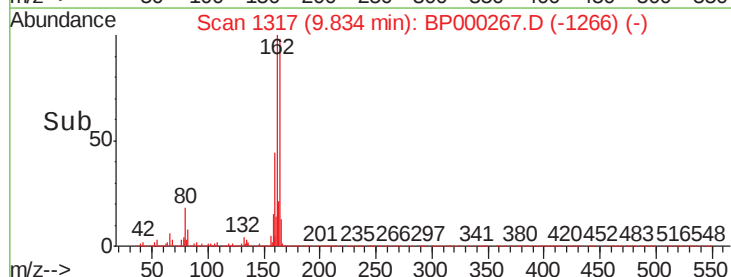
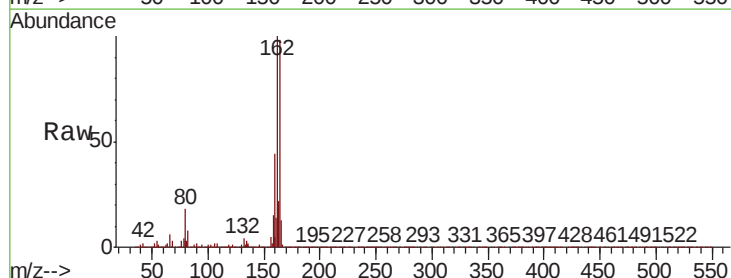
Manual Integrations
APPROVED

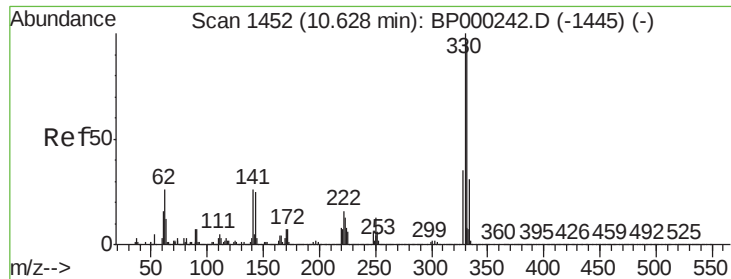
mohammad
9/19/2019 4:45:56 PM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BP000267.D
Acq: 17 Sep 2019 13:00

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.5	79.9	119.9
160	44.7	35.6	53.4





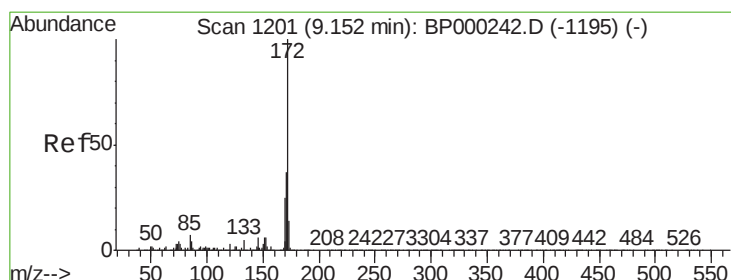
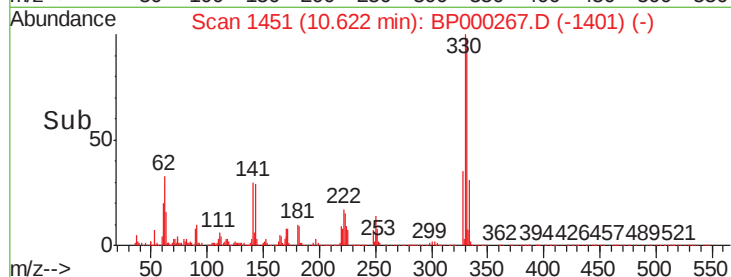
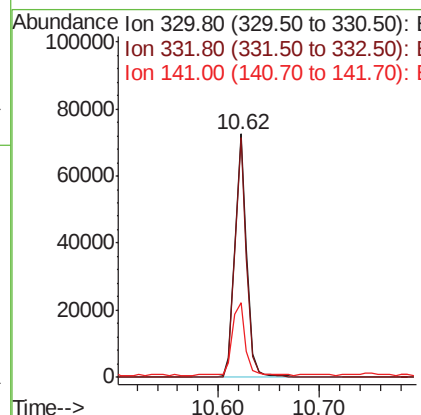
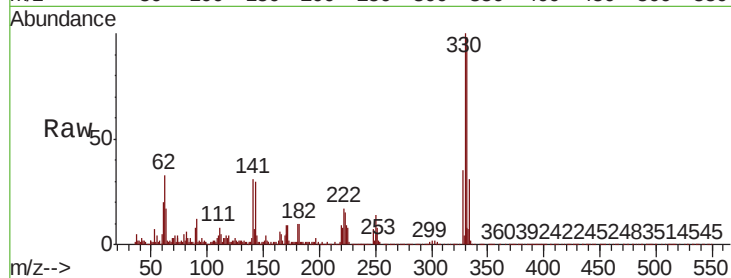
#42
 2,4,6-Tribromophenol
 Concen: 8.736 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: BP000267.D
 Acq: 17 Sep 2019 13:00

Instrument :
 BNA_P
 ClientSampled :
 CSA-4-6

Tot Ion	Ratio	Resp	Lower	Upper
330	100	59451		
332	95.7	76.6	115.0	
141	32.1	26.5	39.7	

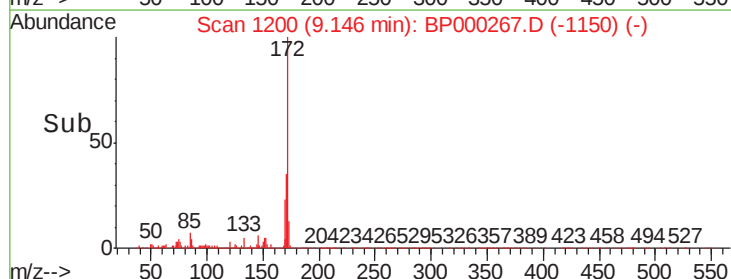
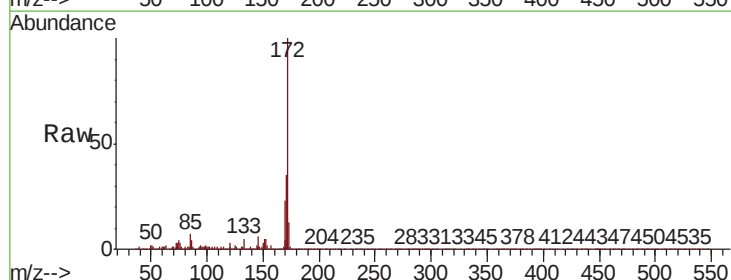
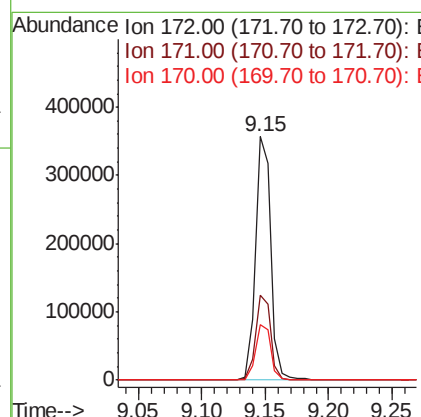
Manual Integrations
 APPROVED

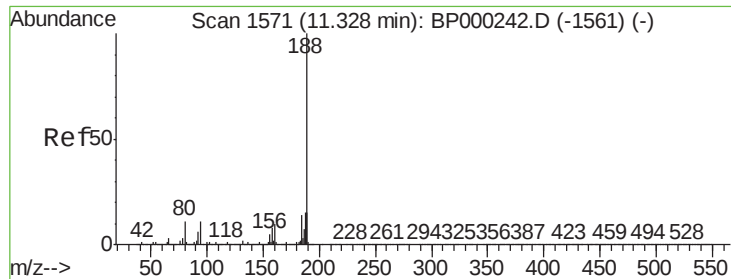
mohammad
 9/19/2019 4:45:56 PM



#45
 2-Fluorobiphenyl
 Concen: 7.913 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BP000267.D
 Acq: 17 Sep 2019 13:00

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	301648		
171	34.7	29.8	44.6	
170	23.0	19.8	29.6	





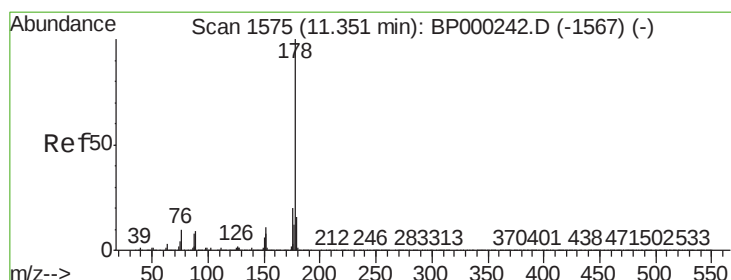
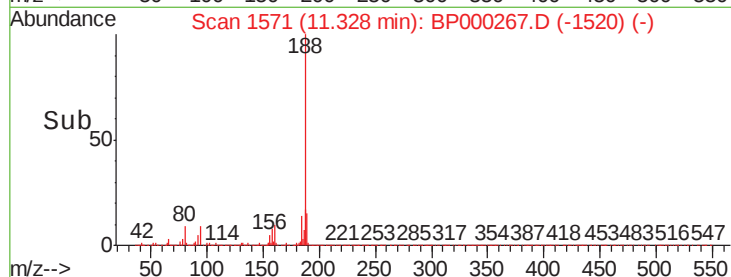
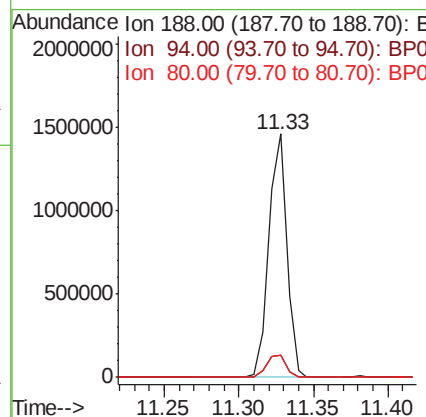
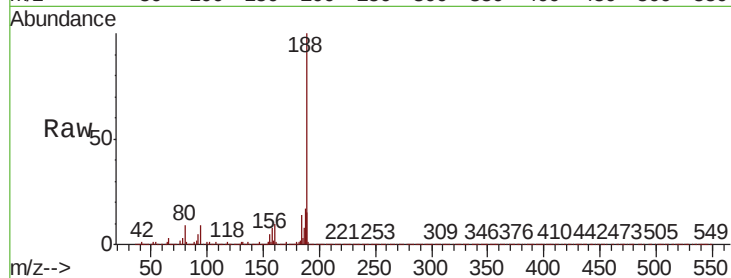
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.00 min
Lab File: BP000267.D
Acq: 17 Sep 2019 13:00

Instrument :
BNA_P
ClientSampleId :
CSA-4-6

Tot Ion	Ratio	Lower	Upper
188	100		
94	8.9	8.5	12.7
80	9.1	8.6	13.0

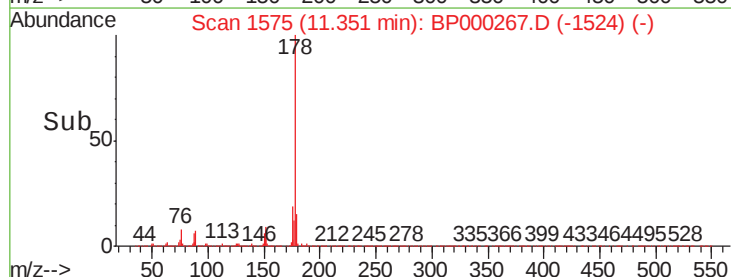
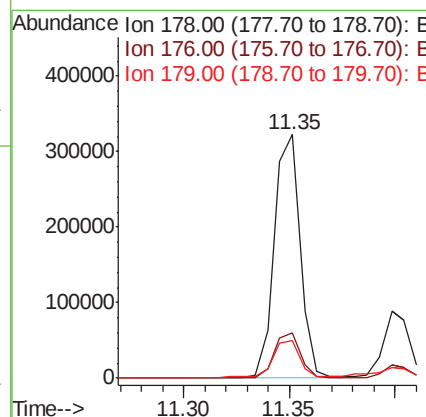
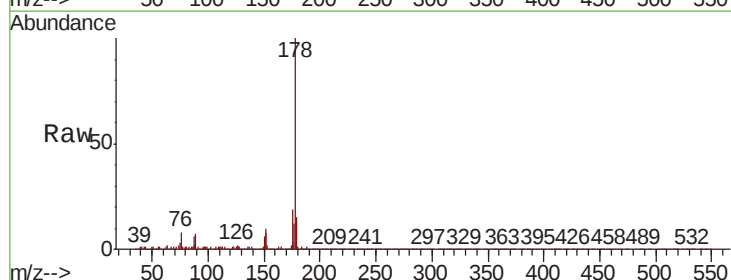
Manual Integrations
APPROVED

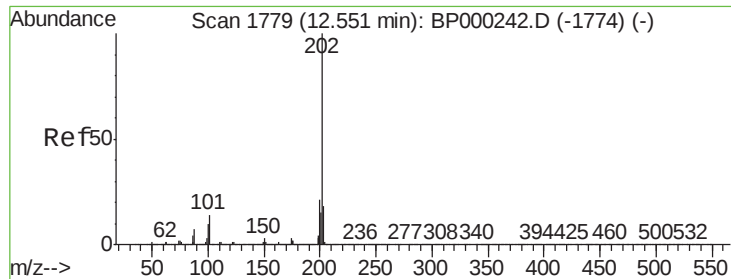
mohammad
9/19/2019 4:45:56 PM



#71
Phenanthrene
Concen: 4.519 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.00 min
Lab File: BP000267.D
Acq: 17 Sep 2019 13:00

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	15.2	12.7	19.1





#75

Fluoranthene

Concen: 5.084 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.00 min

Lab File: BP000267.D

Acq: 17 Sep 2019 13:00

Instrument :

BNA_P

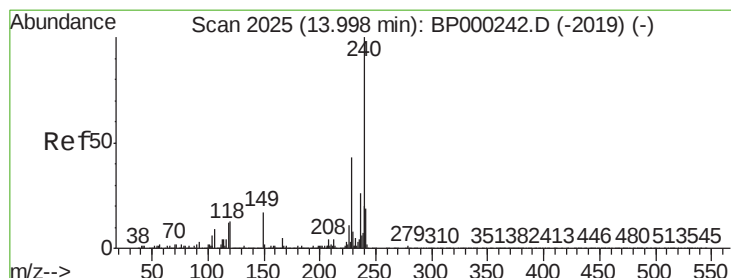
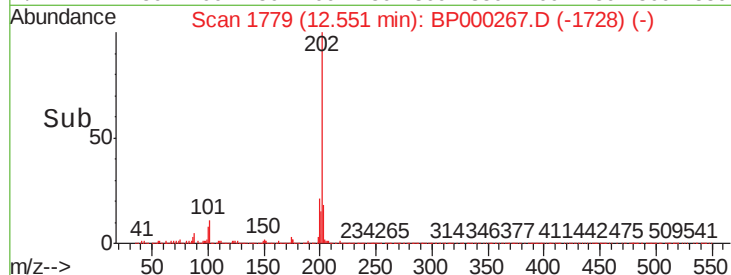
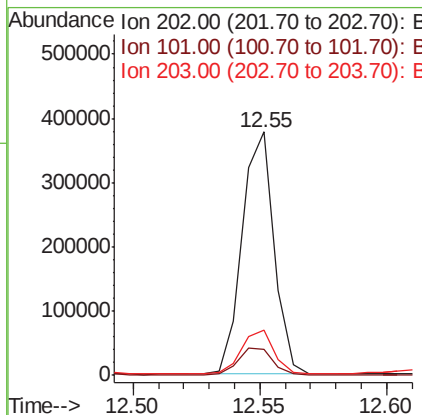
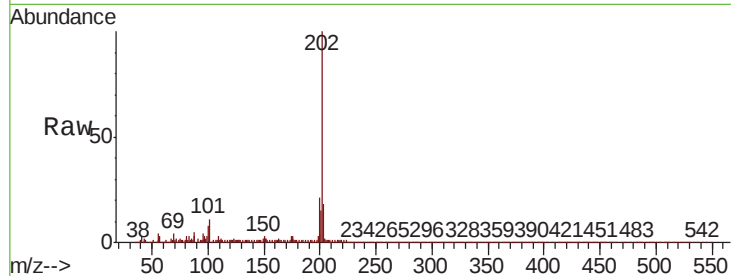
ClientSampled :

CSA-4-6

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		330303		
101	10.7	0.0	33.9		
203	18.3	0.0	38.0		

Manual Integrations
APPROVED

mohammad
9/19/2019 4:45:56 PM



#76

Chrysene-d12

Concen: 20.000 ng

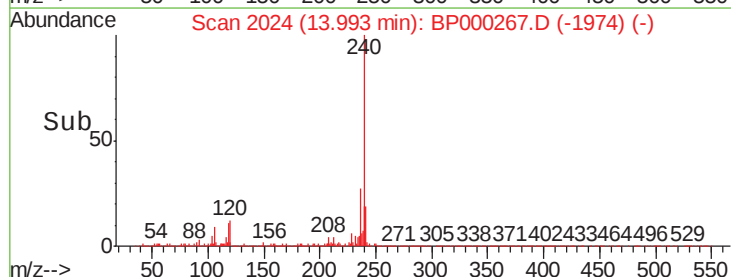
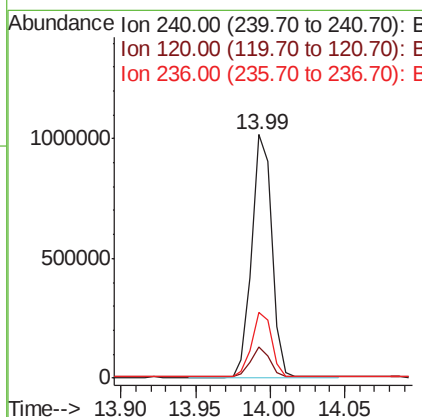
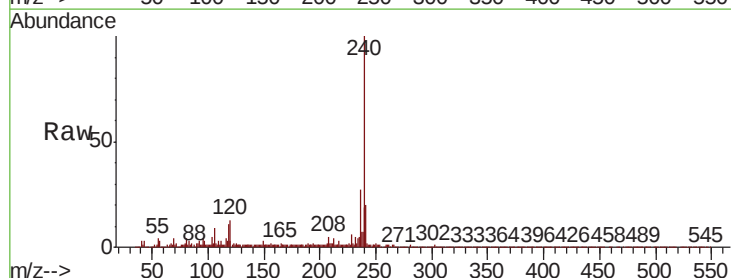
RT: 13.99 min Scan# 2024

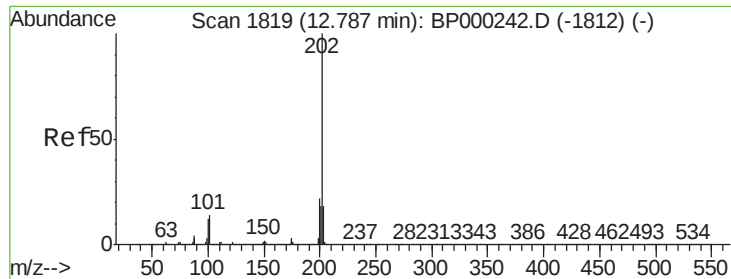
Delta R.T. -0.01 min

Lab File: BP000267.D

Acq: 17 Sep 2019 13:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		939633		
120	12.6	10.4	15.6		
236	26.8	21.0	31.6		





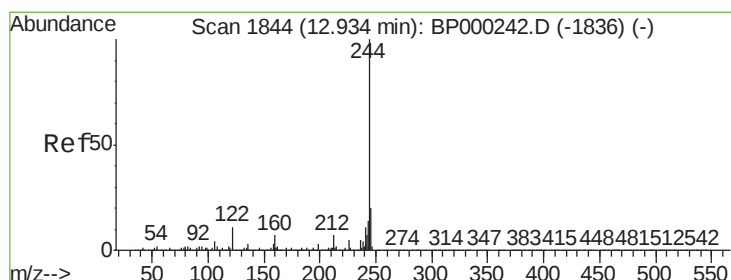
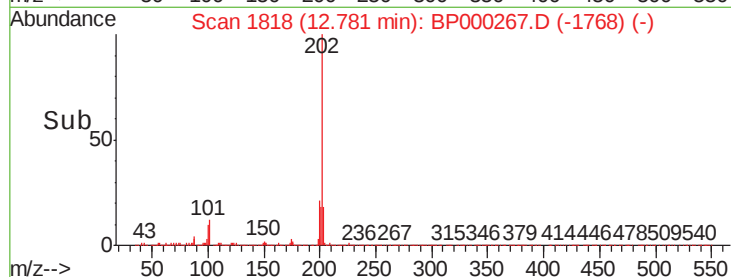
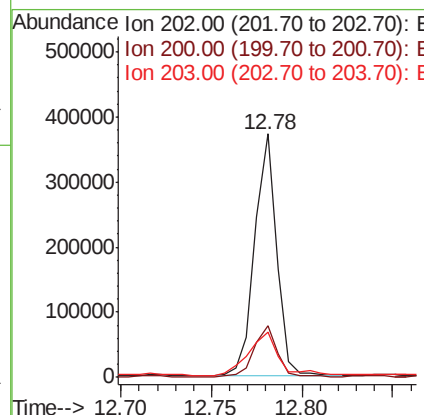
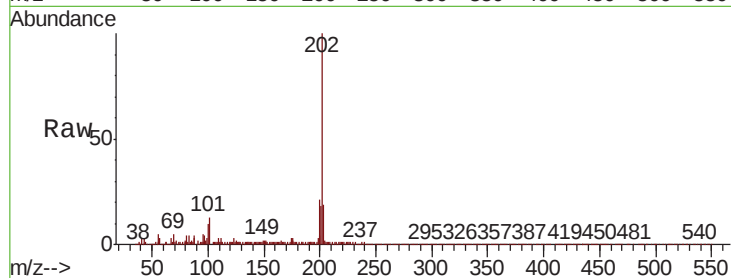
#78
Pvrene
Concen: 4.440 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BP000267.D
Acq: 17 Sep 2019 13:00

Instrument :
BNA_P
ClientSampleId :
CSA-4-6

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		312109		
200	21.2	17.5	26.3		
203	18.7	14.3	21.5		

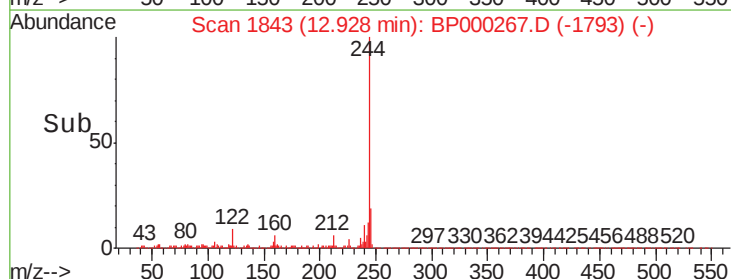
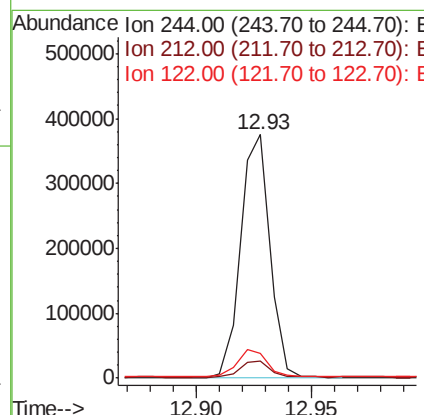
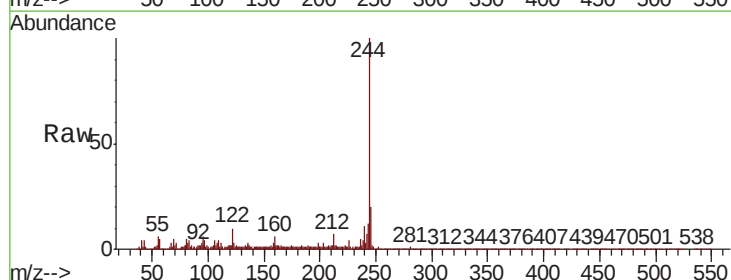
Manual Integrations
APPROVED

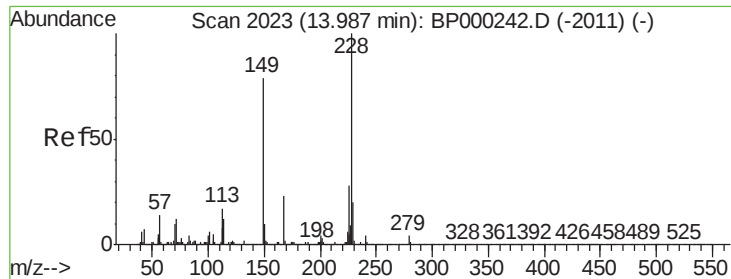
mohammad
9/19/2019 4:45:56 PM



#79
Terphenyl-d14
Concen: 7.379 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BP000267.D
Acq: 17 Sep 2019 13:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
244	100		330523		
212	6.8	5.9	8.9		
122	9.9	9.0	13.4		





#81

Benzo(a)anthracene

Concen: 2.428 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.00 min

Lab File: BP000267.D

Acq: 17 Sep 2019 13:00

Instrument :

BNA_P

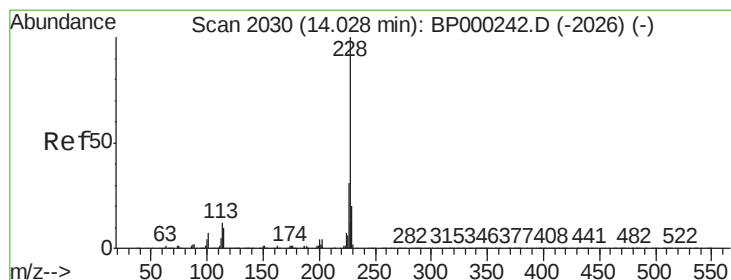
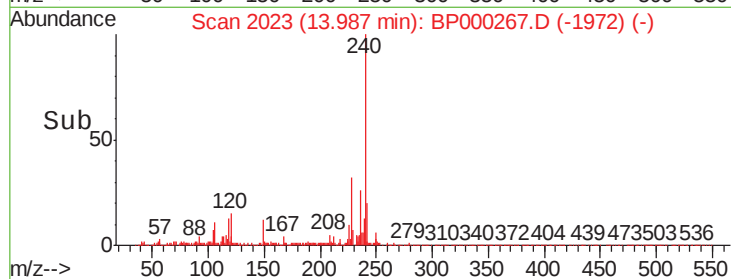
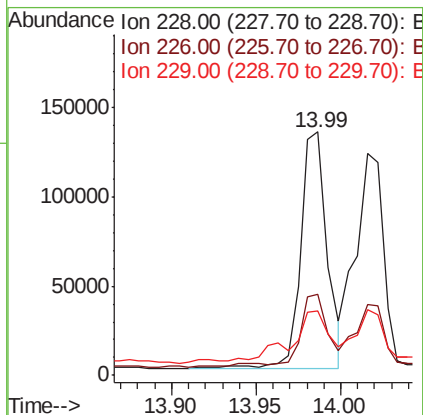
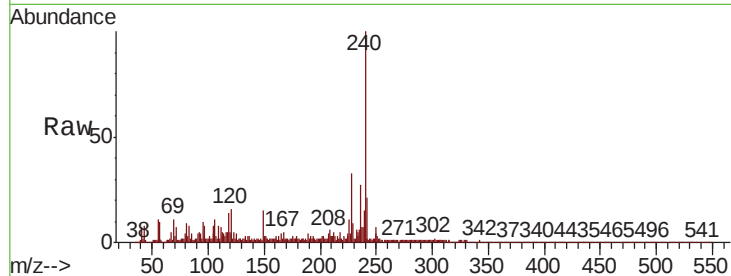
ClientSampleId :

CSA-4-6

Tot Ion:	228	Resp:	144139
Ion Ratio	Lower	Upper	
228	100		
226	33.1	22.2	33.4
229	26.6	16.0	24.0

Manual Integrations
APPROVED

mohammad
9/19/2019 4:45:56 PM



#83

Chrysene

Concen: 2.382 ng

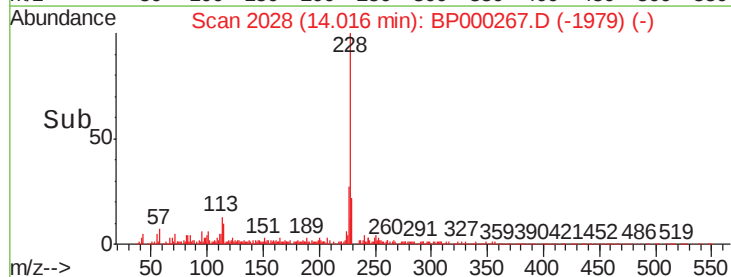
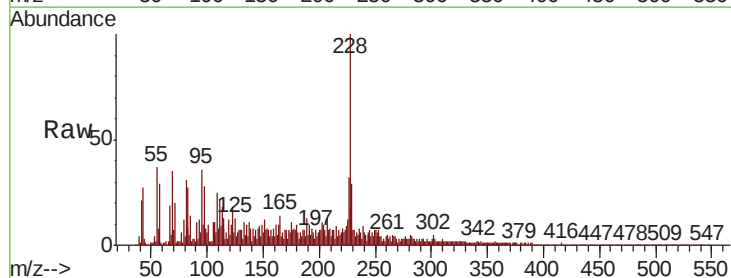
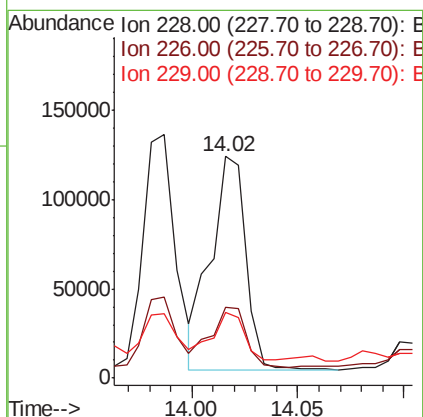
RT: 14.02 min Scan# 2028

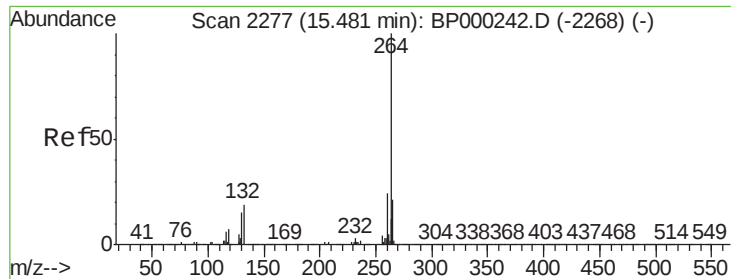
Delta R.T. -0.01 min

Lab File: BP000267.D

Acq: 17 Sep 2019 13:00

Tgt Ion:	228	Resp:	138804
Ion Ratio	Lower	Upper	
228	100		
226	31.8	24.9	37.3
229	29.4	16.2	24.2





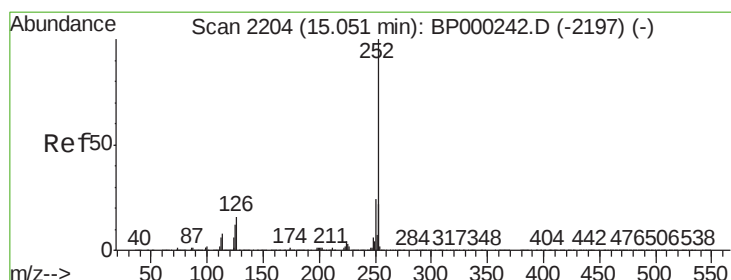
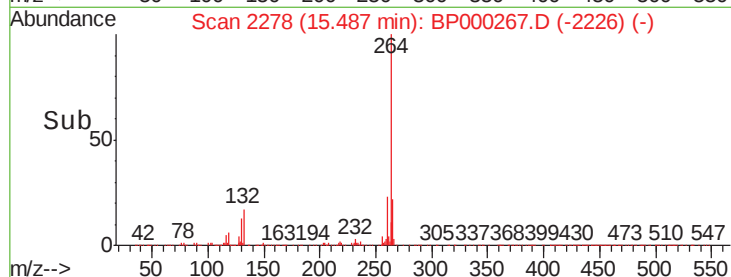
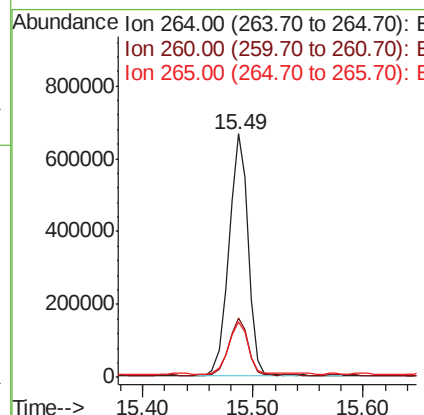
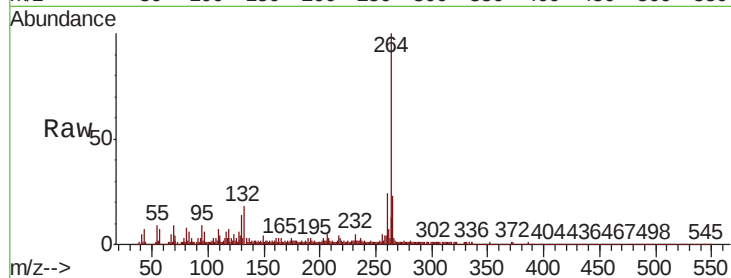
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.01 min
Lab File: BP000267.D
Acq: 17 Sep 2019 13:00

Instrument :
BNA_P
ClientSampleId :
CSA-4-6

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	24.1	18.9	28.3	
265	23.0	17.2	25.8	

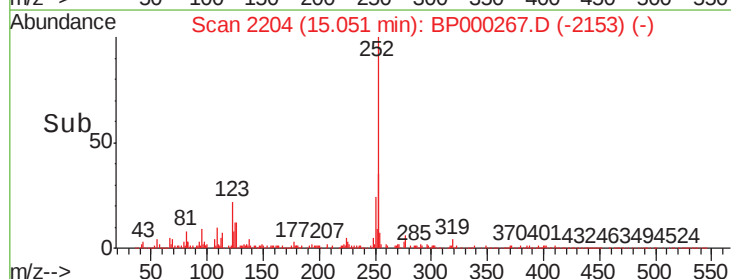
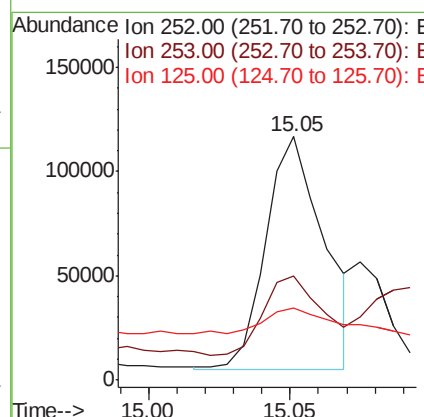
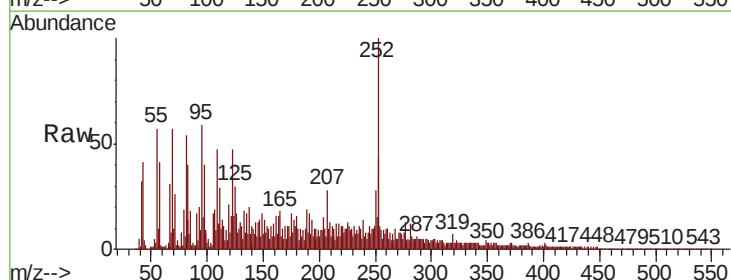
Manual Integrations
APPROVED

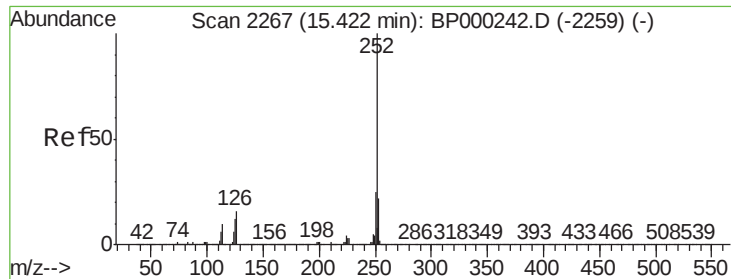
mohammad
9/19/2019 4:45:56 PM



#88
Benzo(b)fluoranthene
Concen: 3.316 ng m
RT: 15.05 min Scan# 2204
Delta R.T. -0.00 min
Lab File: BP000267.D
Acq: 17 Sep 2019 13:00

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	42.5	17.8	26.6#	
125	29.6	9.5	14.3#	





#90
 Benzo(a)pyrene
 Concen: 2.454 ng
 RT: 15.42 min Scan# 2267
 Delta R.T. -0.00 min
 Lab File: BP000267.D
 Acq: 17 Sep 2019 13:00

Instrument :
 BNA_P
 ClientSampleId :
 CSA-4-6

Tot Ion	Ratio	Lower	Upper
252	100		
253	32.9	17.7	26.5#
125	31.9	10.0	15.0#

Manual Integrations
 APPROVED

mohammad
 9/19/2019 4:45:56 PM

