

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP061920\
 Data File : BP002469.D
 Acq On : 19 Jun 2020 21:08
 Operator : CG/JU
 Sample : L3056-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SAMPLE-A-LOT-11

Manual Integrations
 APPROVED

mohammad
 6/22/2020 3:26:20 PM

Quant Time: Jun 20 03:34:59 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP060520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 05 15:08:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	203425	20.00	ng	0.00
21) Naphthalene-d8	10.36	136	859603	20.00	ng	0.00
39) Acenaphthene-d10	14.23	164	538571	20.00	ng	0.00
64) Phenanthrene-d10	16.99	188	1194607	20.00	ng	0.00
76) Chrysene-d12	21.10	240	855993	20.00	ng	-0.01
86) Perylene-d12	23.29	264	797536	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	1175442	106.92	ng	0.00
7) Phenol-d6	6.78	99	1684995	115.12	ng	0.00
23) Nitrobenzene-d5	8.73	82	1178121	81.85	ng	-0.01
42) 2,4,6-Tribromophenol	15.73	330	649967	126.05	ng	0.00
45) 2-Fluorobiphenyl	12.85	172	2394433	74.75	ng	0.00
79) Terphenyl-d14	19.58	244	3149014	99.19	ng	0.00
Target Compounds						
49) Acenaphthylene	13.95	152	102511	2.225	ng	98
50) Dimethylphthalate	13.69	163	294175	7.972	ng	100
71) Phenanthrene	17.03	178	1431798	25.622	ng	99
72) Anthracene	17.12	178	419660	7.560	ng	98
73) Carbazole	17.39	167	147998	2.710	ng	100
75) Fluoranthene	19.02	202	3360587	50.381	ng	99
78) Pyrene	19.37	202	3096951	59.066	ng	99
81) Benzo(a)anthracene	21.08	228	1550853	31.741	ng	99
83) Chrysene	21.13	228	1455241	31.437	ng	98
87) Indeno(1,2,3-cd)pyrene	25.50	276	828965	16.618	ng	96
88) Benzo(b)fluoranthene	22.64	252	1787345	41.558	ng	99
89) Benzo(k)fluoranthene	22.67	252	514942m	12.601	ng	
90) Benzo(a)pyrene	23.20	252	1156762	28.700	ng	99
91) Dibenzo(a,h)anthracene	25.51	278	222981m	5.573	ng	
92) Benzo(a,h,i)perylene	26.17	276	806954	19.472	ng	99

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

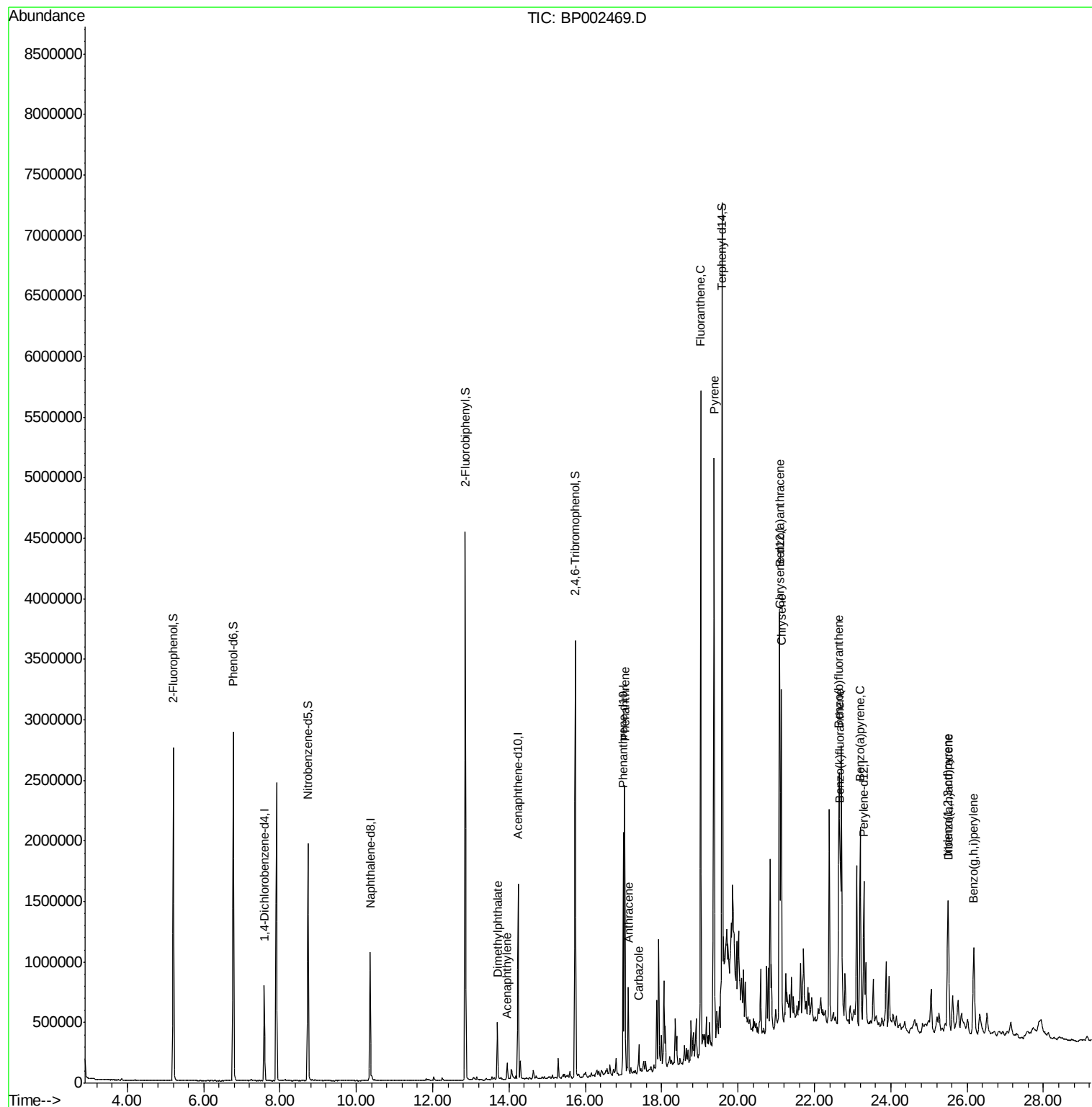
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP061920\
Data File : BP002469.D
Acq On : 19 Jun 2020 21:08
Operator : CG/JU
Sample : L3056-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

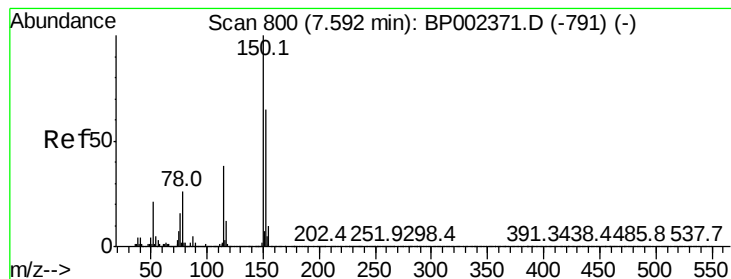
Instrument :
BNA_P
ClientSampleId :
SAMPLE-A-LOT-11

Manual Integrations
APPROVED

mohammad
6/22/2020 3:26:20 PM

Quant Time: Jun 20 03:34:59 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP060520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 05 15:08:53 2020
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.59 min Scan# 799

Delta R.T. -0.01 min

Lab File: BP002469.D

Acq: 19 Jun 2020 21:08

Instrument :

BNA_P

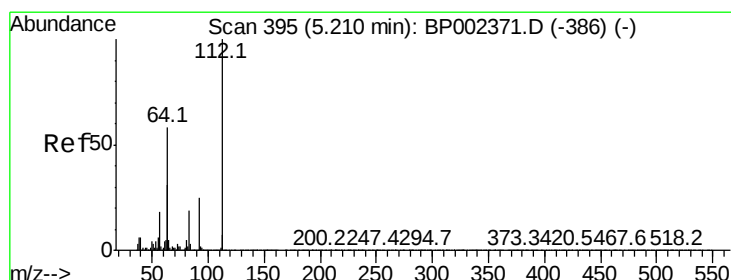
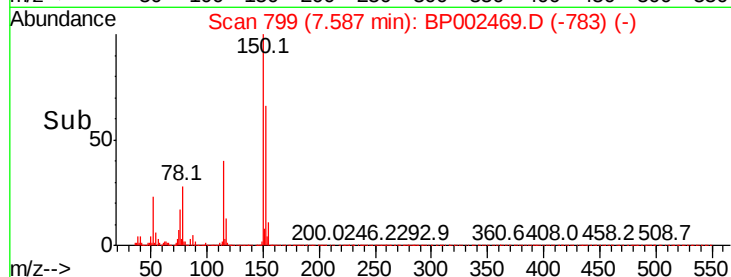
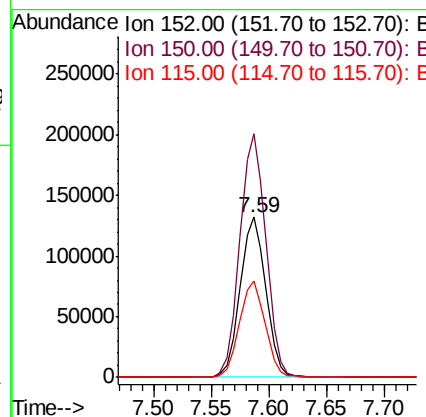
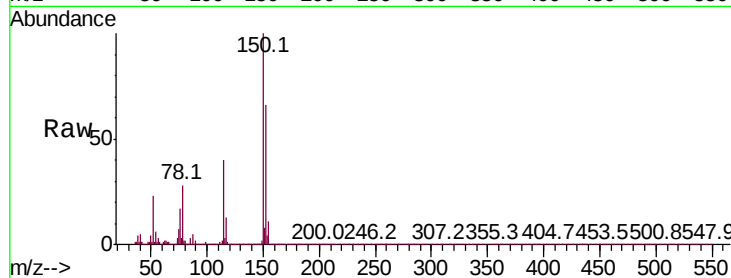
ClientSampleId :

SAMPLE-A-LOT-11

Tot Ion:	152	Resp:	203425
Ion Ratio	Lower	Upper	
152	100		
150	151.9	124.0	186.0
115	60.4	47.4	71.0

Manual Integrations
APPROVED

mohammad
6/22/2020 3:26:20 PM



#5

2-Fluorophenol

Concen: 106.922 ng

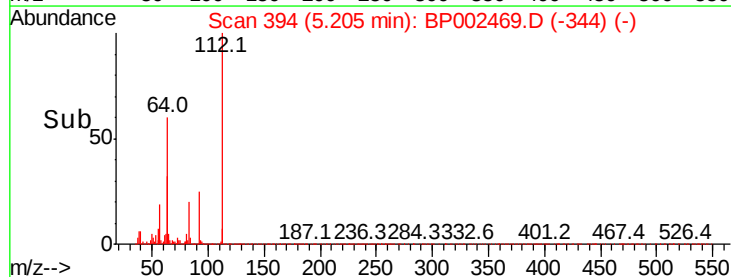
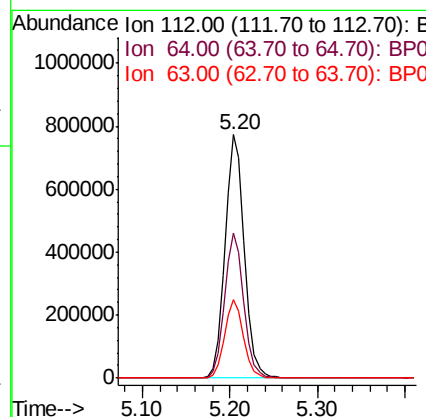
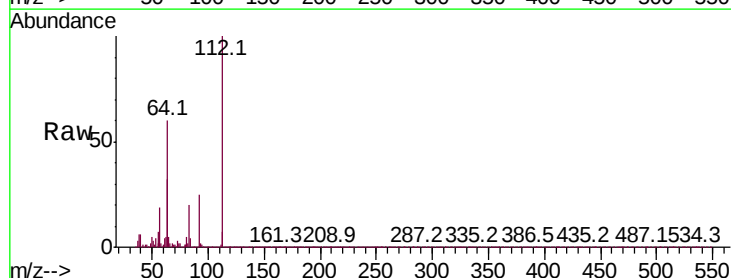
RT: 5.20 min Scan# 394

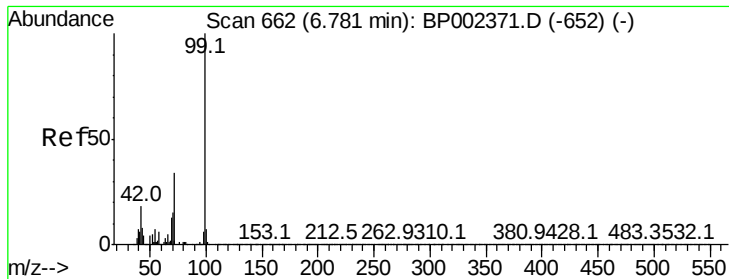
Delta R.T. -0.01 min

Lab File: BP002469.D

Acq: 19 Jun 2020 21:08

Tgt Ion:	112	Resp:	1175442
Ion Ratio	Lower	Upper	
112	100		
64	59.7	46.2	69.2
63	32.1	24.5	36.7





#7

Phenol-d6

Concen: 115.122 ng

RT: 6.78 min Scan# 661

Delta R.T. -0.01 min

Lab File: BP002469.D

Acq: 19 Jun 2020 21:08

Instrument :

BNA_P

ClientSampleId :

SAMPLE-A-LOT-11

Tot Ion: 99 Resp: 1684995

Ion Ratio Lower Upper

99 100

42 18.4 14.6 22.0

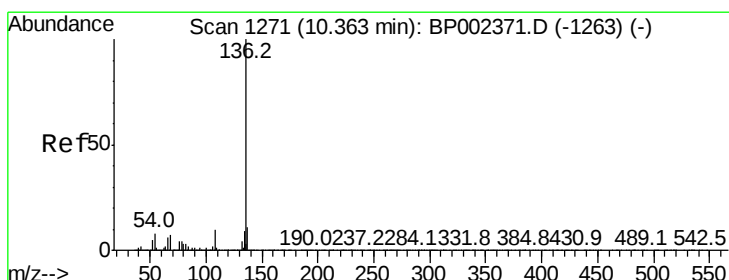
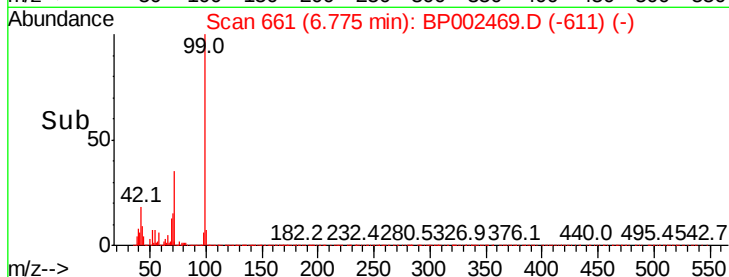
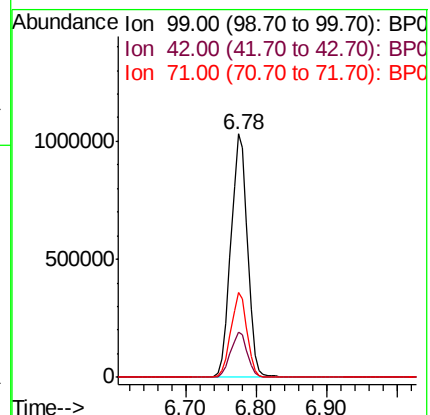
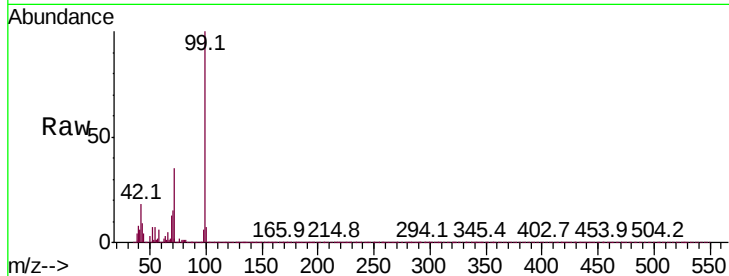
71 34.9 27.2 40.8

Manual Integrations

APPROVED

mohammad

6/22/2020 3:26:20 PM



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.36 min Scan# 1270

Delta R.T. -0.01 min

Lab File: BP002469.D

Acq: 19 Jun 2020 21:08

Tgt Ion: 136 Resp: 859603

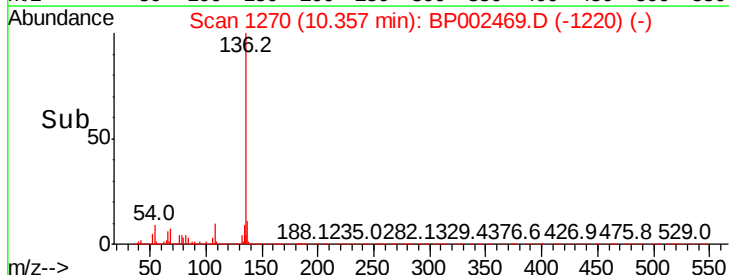
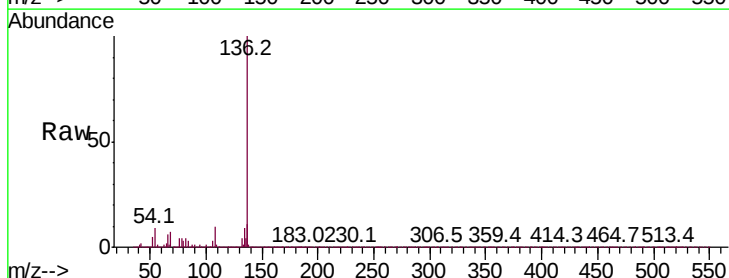
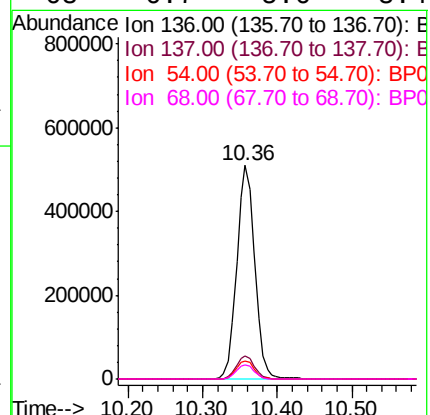
Ion Ratio Lower Upper

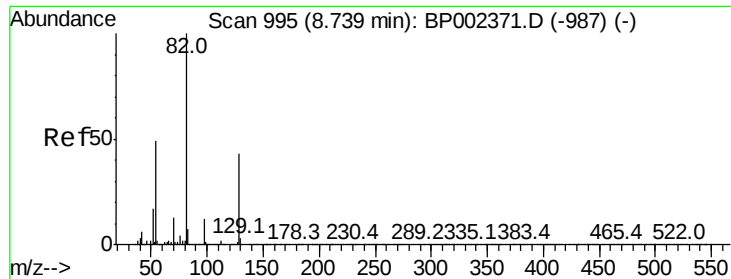
136 100

137 10.8 8.8 13.2

54 8.6 6.4 9.6

68 6.7 5.6 8.4





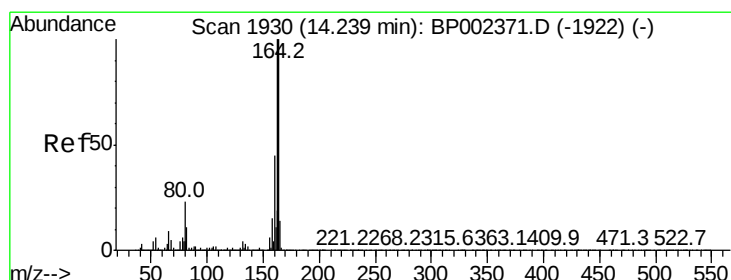
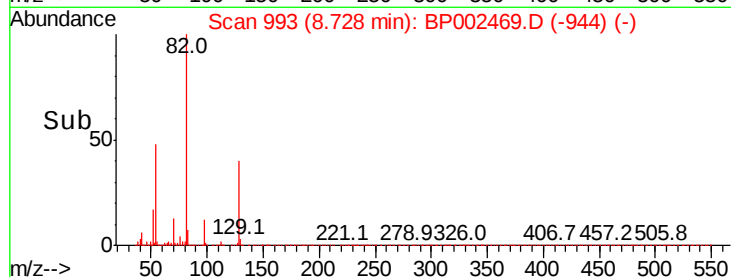
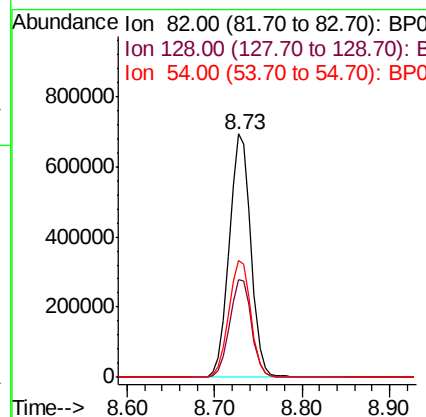
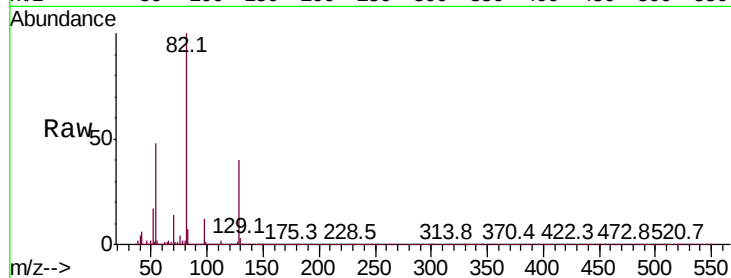
#23
Nitrobenzene-d5
Concen: 81.847 ng
RT: 8.73 min Scan# 993
Delta R.T. -0.01 min
Lab File: BP002469.D
Acq: 19 Jun 2020 21:08

Instrument :
BNA_P
ClientSampleId :
SAMPLE-A-LOT-11

Tot Ion	Ratio	Lower	Upper
82	100		
128	39.9	34.5	51.7
54	48.3	39.4	59.2

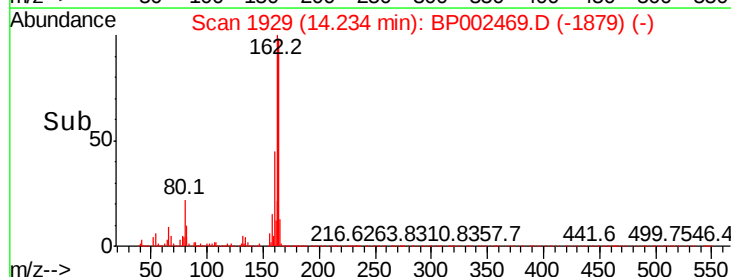
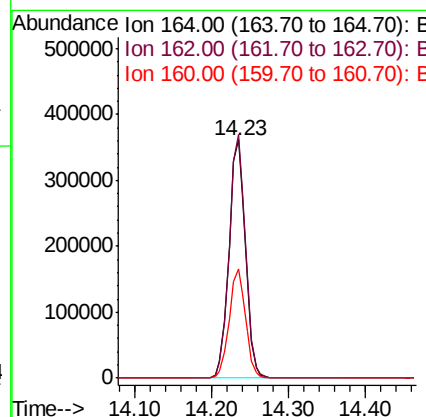
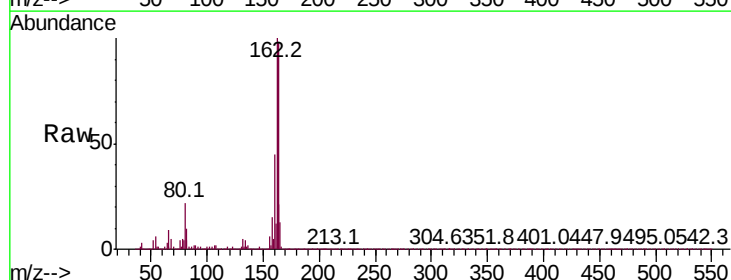
Manual Integrations
APPROVED

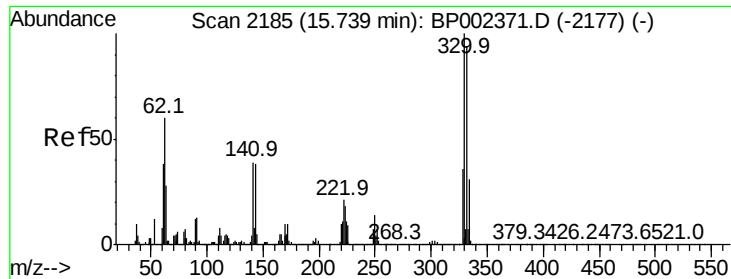
mohammad
6/22/2020 3:26:20 PM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.23 min Scan# 1929
Delta R.T. -0.01 min
Lab File: BP002469.D
Acq: 19 Jun 2020 21:08

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.1	79.8	119.8
160	45.8	36.2	54.2





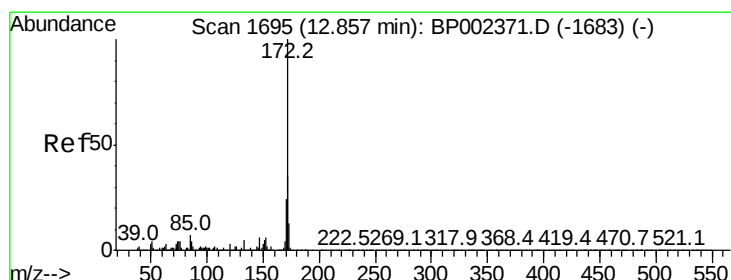
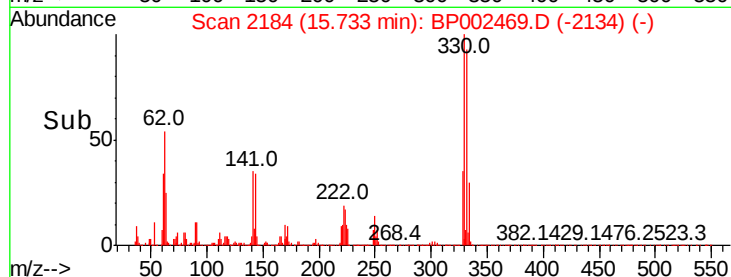
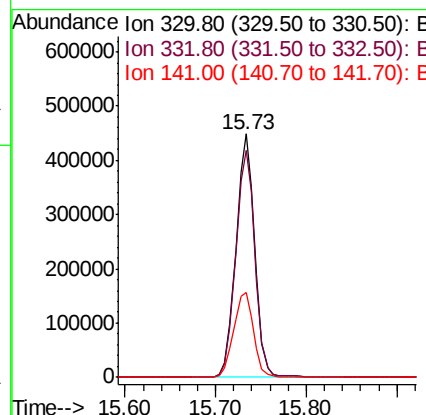
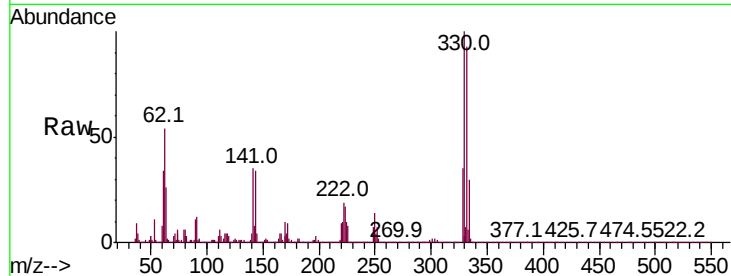
#42
 2,4,6-Tribromophenol
 Concen: 126.050 ng
 RT: 15.73 min Scan# 2184
 Delta R.T. -0.01 min
 Lab File: BP002469.D
 Acq: 19 Jun 2020 21:08

Instrument :
 BNA_P
 ClientSampleId :
 SAMPLE-A-LOT-11

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	76.6	115.0
141	36.7	30.3	45.5

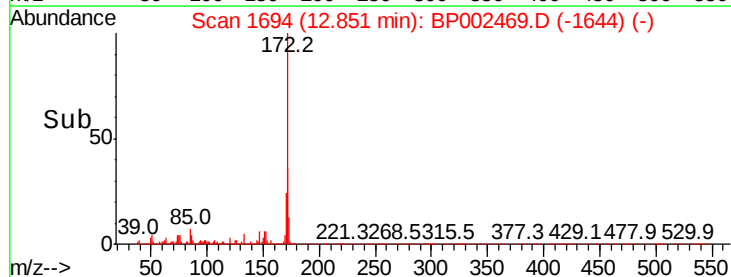
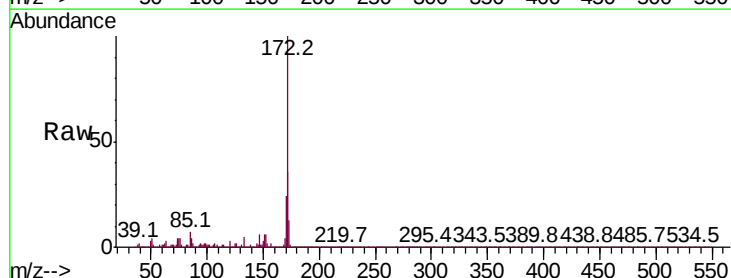
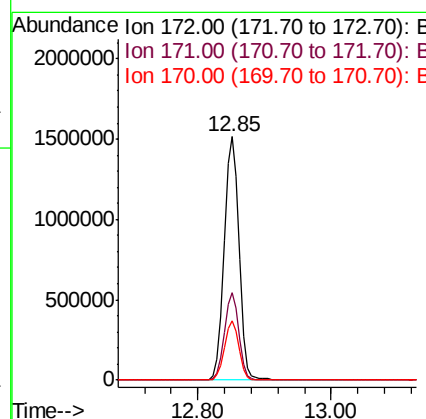
Manual Integrations
 APPROVED

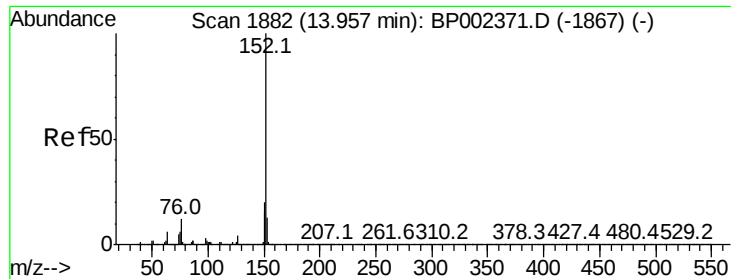
mohammad
 6/22/2020 3:26:20 PM



#45
 2-Fluorobiphenyl
 Concen: 74.754 ng
 RT: 12.85 min Scan# 1694
 Delta R.T. -0.00 min
 Lab File: BP002469.D
 Acq: 19 Jun 2020 21:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	27.8	41.8
170	24.4	19.0	28.6





#49

Acenaphthylene

Concen: 2.225 ng

RT: 13.95 min Scan# 1881

Delta R.T. -0.01 min

Lab File: BP002469.D

Acq: 19 Jun 2020 21:08

Instrument :

BNA_P

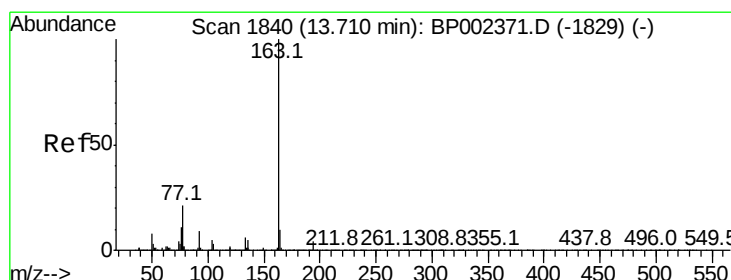
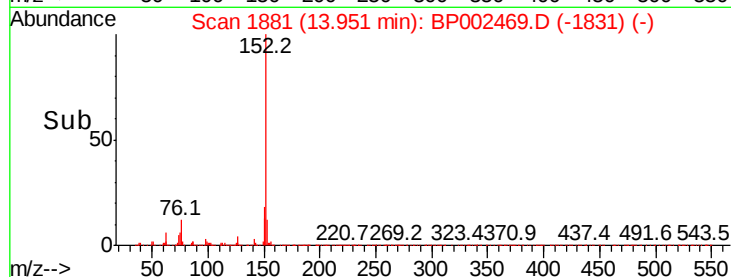
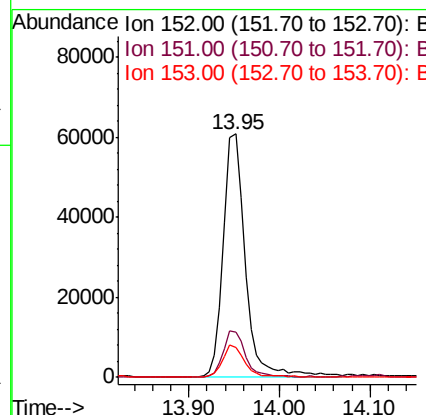
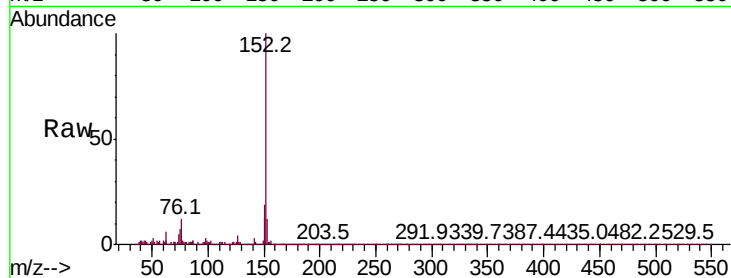
ClientSampleId :

SAMPLE-A-LOT-11

Tot Ion	Ratio	Resp	Lower	Upper
152	100	102511		
151	18.6	15.7	23.5	
153	12.4	10.5	15.7	

Manual Integrations
APPROVED

mohammad
6/22/2020 3:26:20 PM



#50

Dimethylphthalate

Concen: 7.972 ng

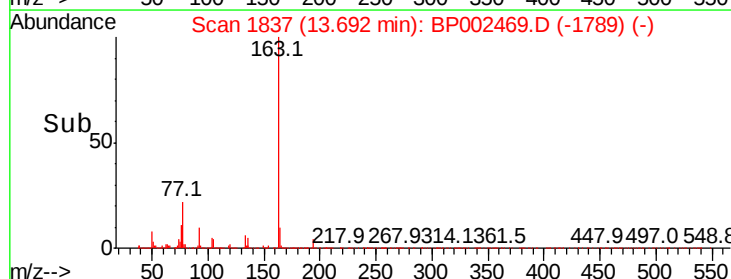
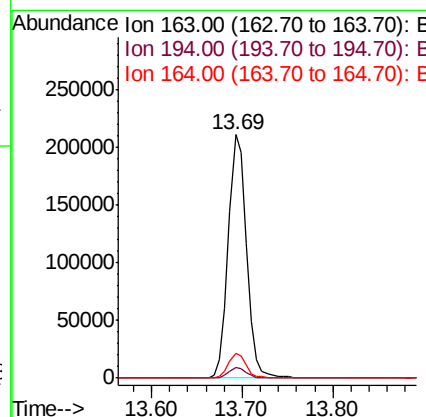
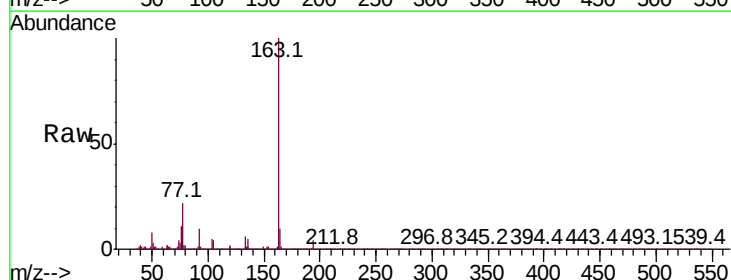
RT: 13.69 min Scan# 1837

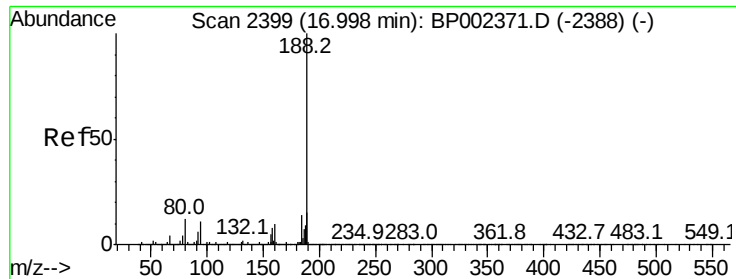
Delta R.T. -0.02 min

Lab File: BP002469.D

Acq: 19 Jun 2020 21:08

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	294175		
194	4.3	3.4	5.0	
164	10.2	8.1	12.1	





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.99 min Scan# 2398

Delta R.T. -0.01 min

Lab File: BP002469.D

Acq: 19 Jun 2020 21:08

Instrument :

BNA_P

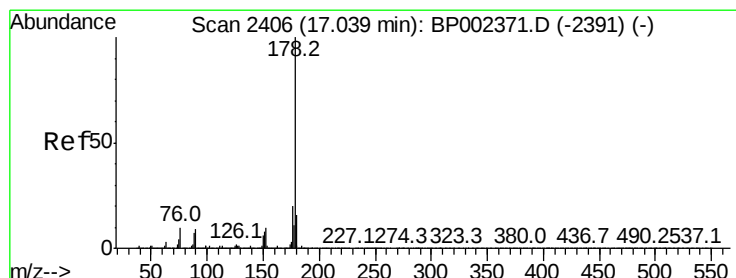
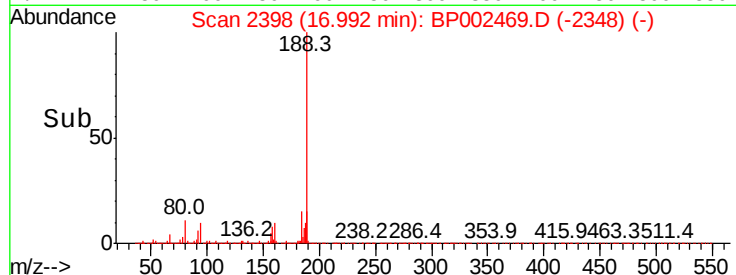
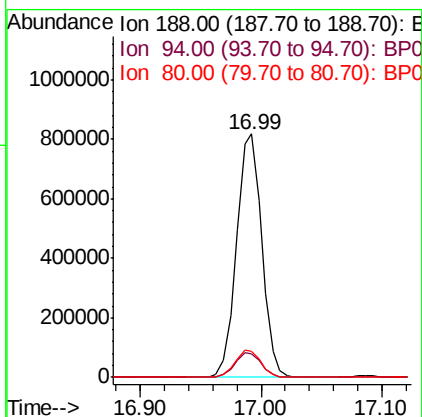
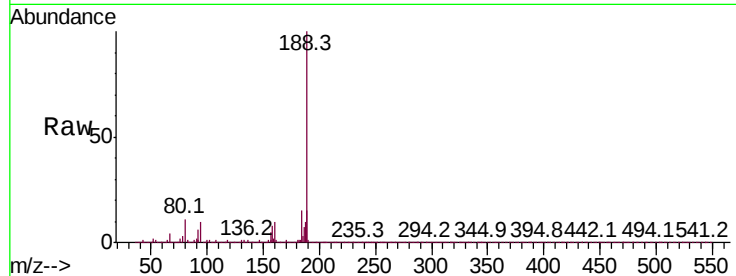
ClientSampleId :

SAMPLE-A-LOT-11

Tot Ion:	188	Resp:	1194607
Ion Ratio	Lower	Upper	
188	100		
94	9.9	8.5	12.7
80	10.7	9.4	14.0

Manual Integrations
APPROVED

mohammad
6/22/2020 3:26:20 PM



#71

Phenanthrene

Concen: 25.622 ng

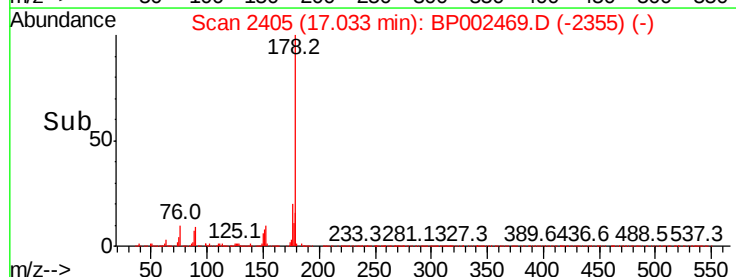
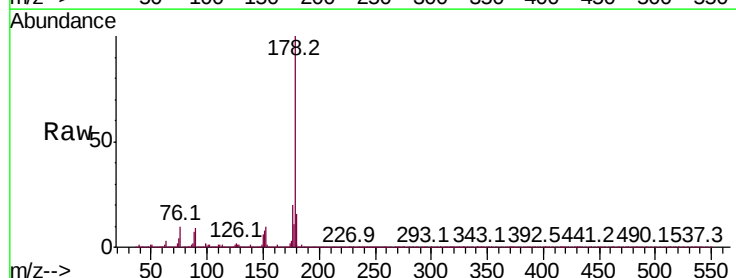
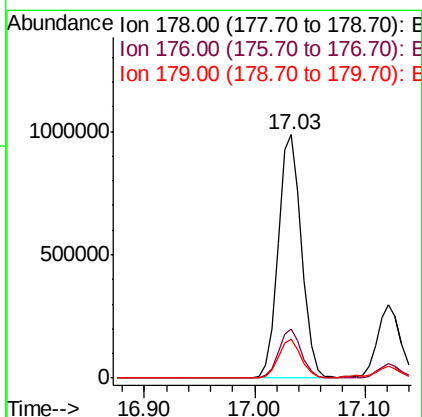
RT: 17.03 min Scan# 2405

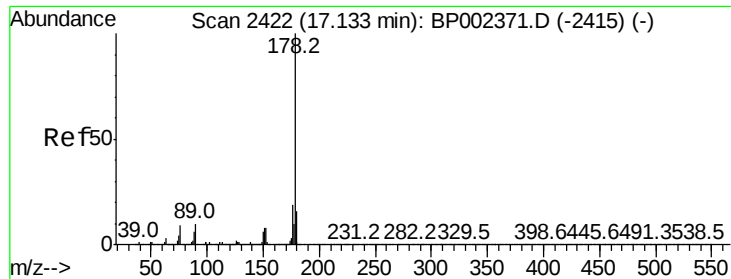
Delta R.T. -0.01 min

Lab File: BP002469.D

Acq: 19 Jun 2020 21:08

Tgt Ion:	178	Resp:	1431798
Ion Ratio	Lower	Upper	
178	100		
176	20.1	15.8	23.6
179	15.7	12.5	18.7





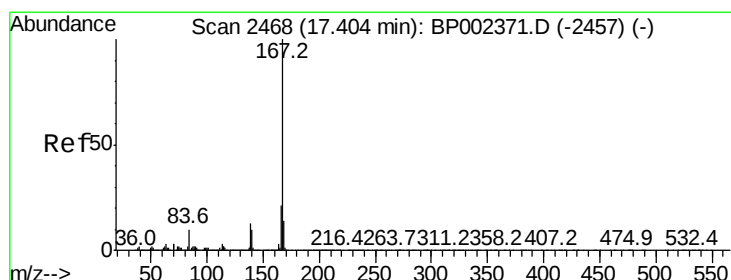
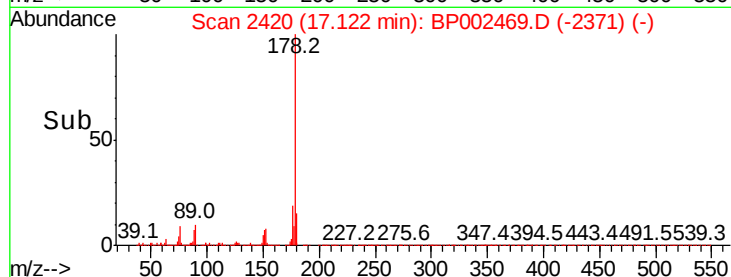
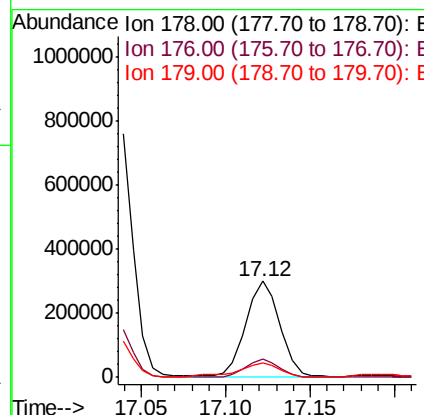
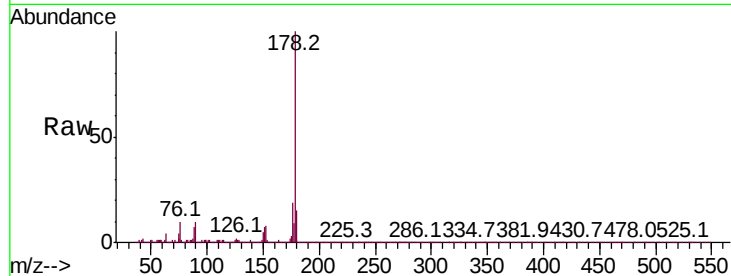
#72
 Anthracene
 Concen: 7.560 ng
 RT: 17.12 min Scan# 2420
 Delta R.T. -0.01 min
 Lab File: BP002469.D
 Acq: 19 Jun 2020 21:08

Instrument :
 BNA_P
 ClientSampleId :
 SAMPLE-A-LOT-11

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.5	23.3
179	15.3	13.0	19.4

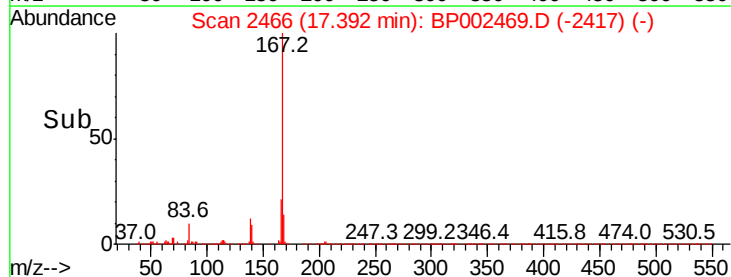
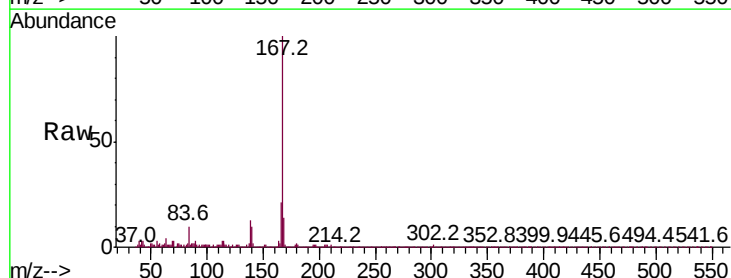
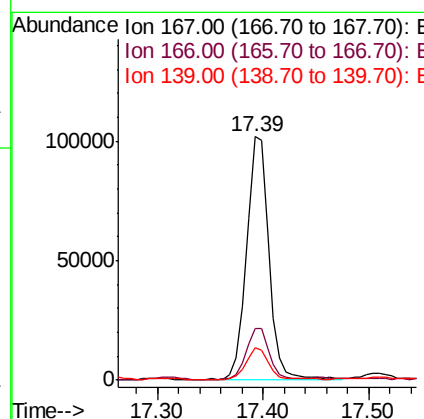
Manual Integrations
 APPROVED

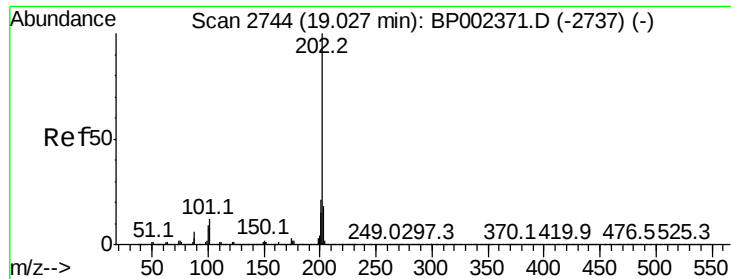
mohammad
 6/22/2020 3:26:20 PM



#73
 Carbazole
 Concen: 2.710 ng
 RT: 17.39 min Scan# 2466
 Delta R.T. -0.01 min
 Lab File: BP002469.D
 Acq: 19 Jun 2020 21:08

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.1	25.7
139	13.3	10.3	15.5





#75

Fluoranthene

Concen: 50.381 ng

RT: 19.02 min Scan# 2743

Delta R.T. -0.01 min

Lab File: BP002469.D

Acq: 19 Jun 2020 21:08

Instrument :

BNA_P

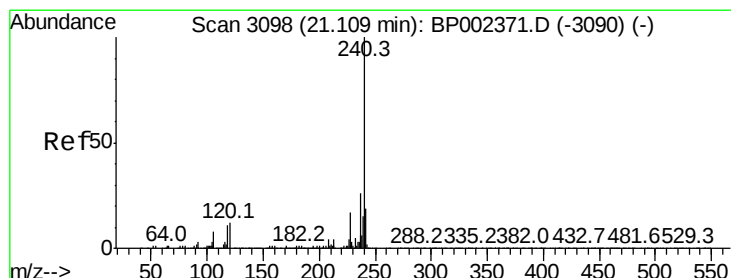
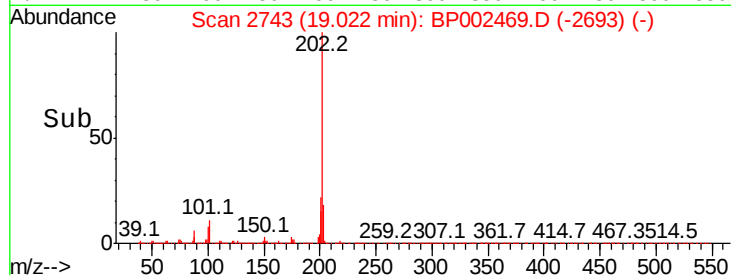
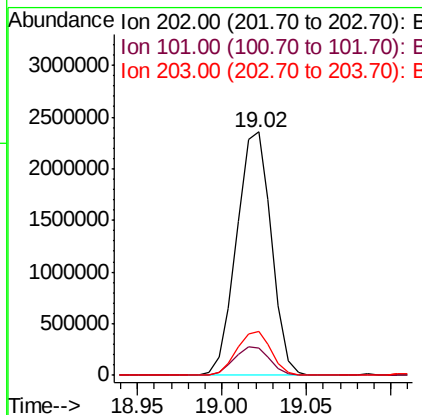
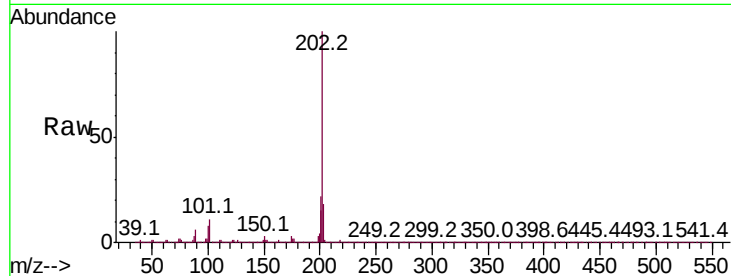
ClientSampleId :

SAMPLE-A-LOT-11

Tot Ion:	202	Resp:	3360587
Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	31.8
203	18.2	0.0	38.0

Manual Integrations
APPROVED

mohammad
6/22/2020 3:26:20 PM



#76

Chrysene-d12

Concen: 20.000 ng

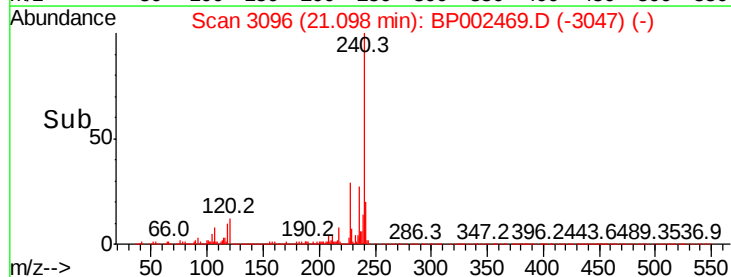
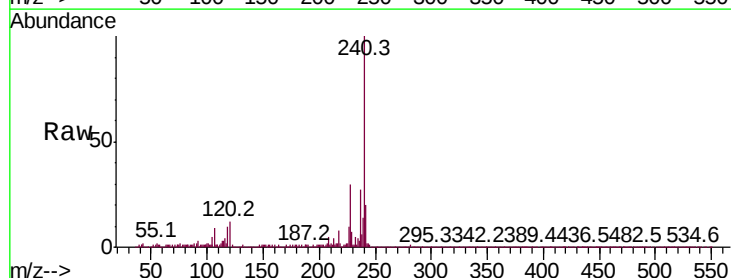
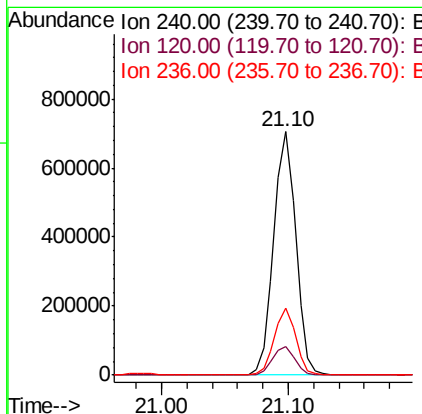
RT: 21.10 min Scan# 3096

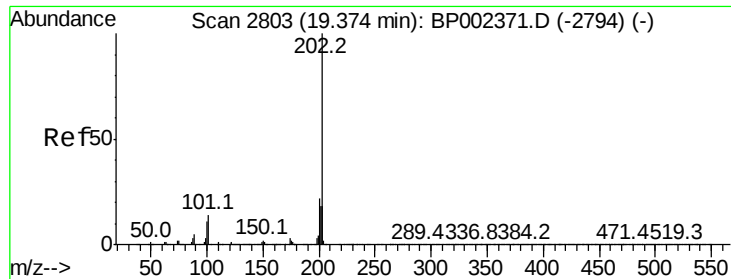
Delta R.T. -0.01 min

Lab File: BP002469.D

Acq: 19 Jun 2020 21:08

Tgt Ion:	240	Resp:	855993
Ion	Ratio	Lower	Upper
240	100		
120	11.9	9.3	13.9
236	27.5	21.0	31.6





#78

Pvrene

Concen: 59.066 ng

RT: 19.37 min Scan# 2803

Delta R.T. 0.00 min

Lab File: BP002469.D

Acq: 19 Jun 2020 21:08

Instrument :

BNA_P

ClientSampleId :

SAMPLE-A-LOT-11

Tot Ion:202 Resp: 3096951

Ion Ratio Lower Upper

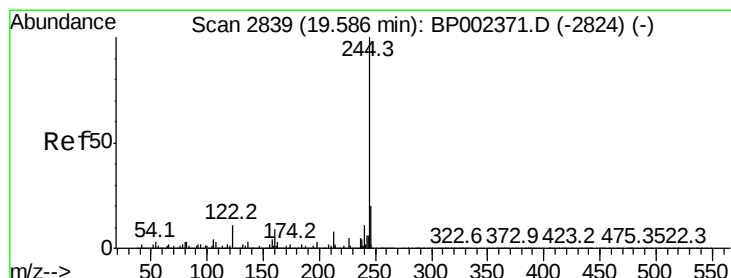
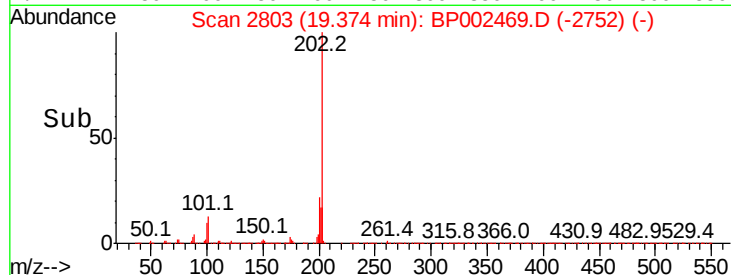
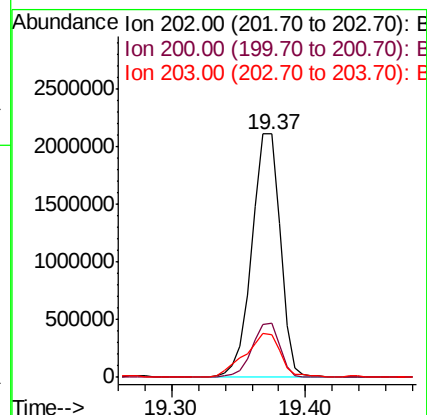
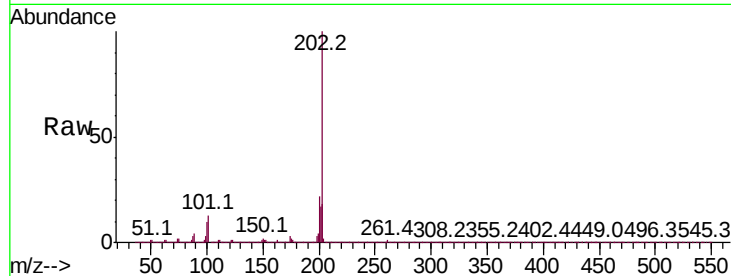
202 100

200 22.1 17.7 26.5

203 17.6 14.6 22.0

Manual Integrations
APPROVED

mohammad
6/22/2020 3:26:20 PM



#79

Terphenyl-d14

Concen: 99.193 ng

RT: 19.58 min Scan# 2838

Delta R.T. -0.00 min

Lab File: BP002469.D

Acq: 19 Jun 2020 21:08

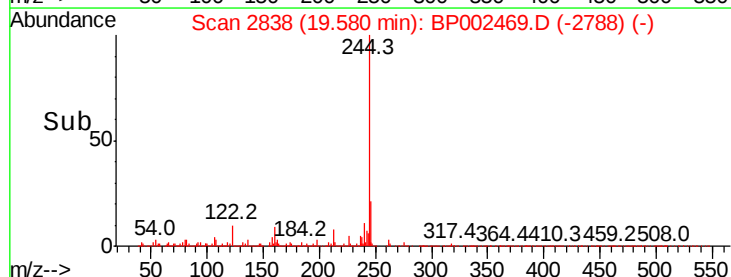
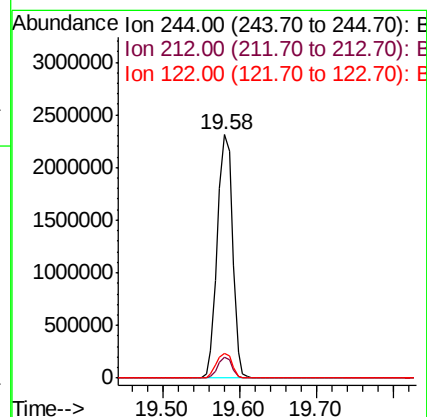
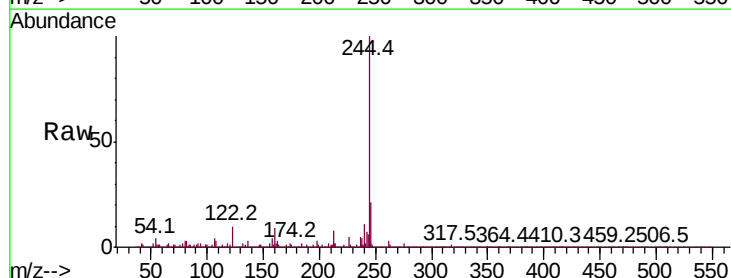
Tgt Ion:244 Resp: 3149014

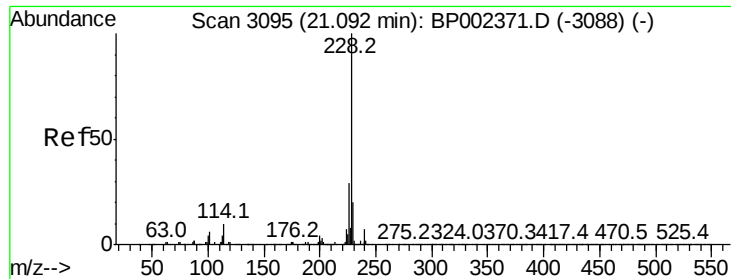
Ion Ratio Lower Upper

244 100

212 8.5 6.6 10.0

122 10.3 8.8 13.2





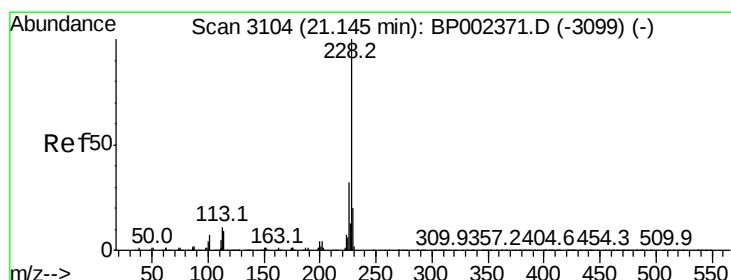
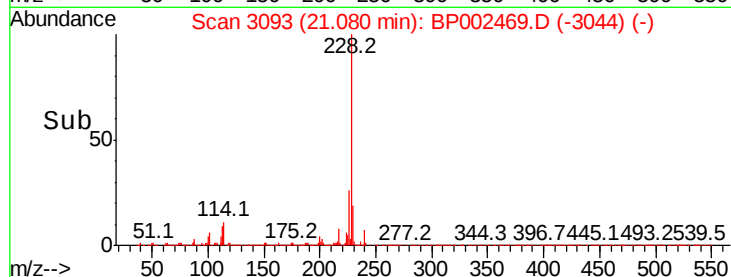
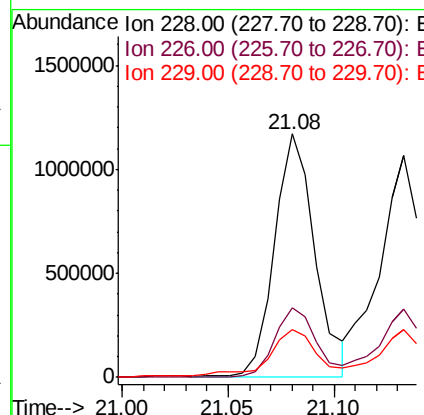
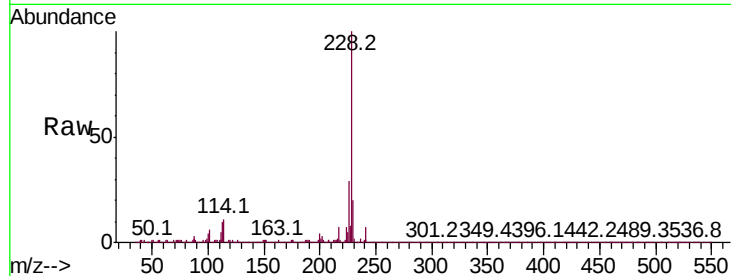
#81
Benzo(a)anthracene
Concen: 31.741 ng
RT: 21.08 min Scan# 3093
Delta R.T. -0.01 min
Lab File: BP002469.D
Acq: 19 Jun 2020 21:08

Instrument :
BNA_P
ClientSampleId :
SAMPLE-A-LOT-11

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.8	34.2
229	19.5	16.2	24.2

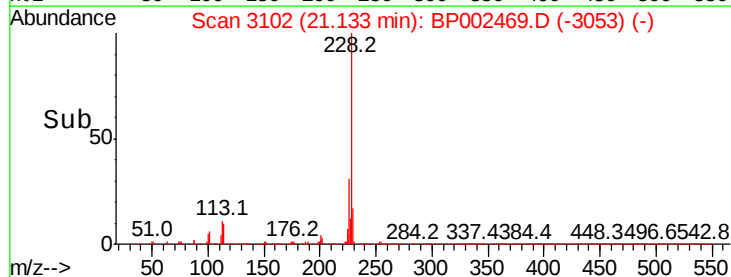
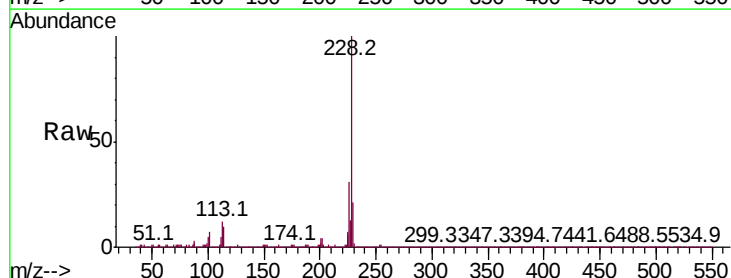
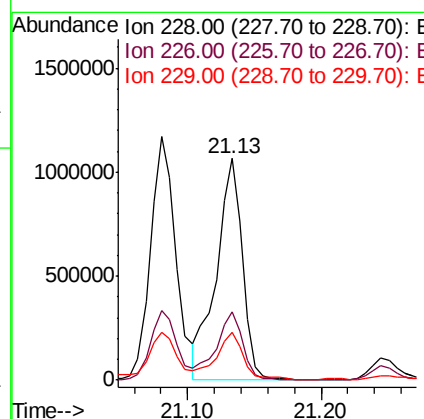
Manual Integrations
APPROVED

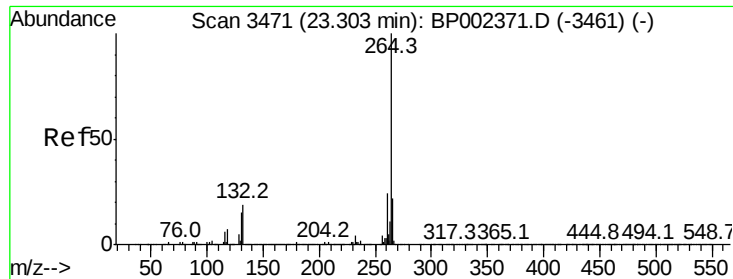
mohammad
6/22/2020 3:26:20 PM



#83
Chrysene
Concen: 31.437 ng
RT: 21.13 min Scan# 3102
Delta R.T. -0.01 min
Lab File: BP002469.D
Acq: 19 Jun 2020 21:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.2	37.8
229	21.3	16.1	24.1





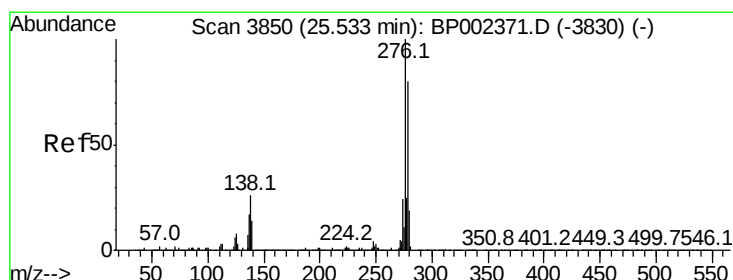
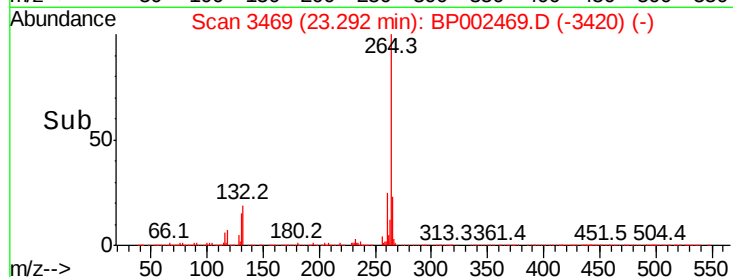
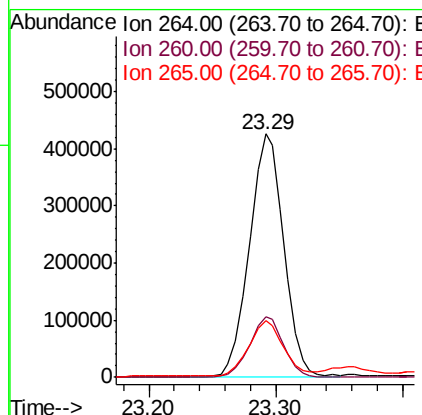
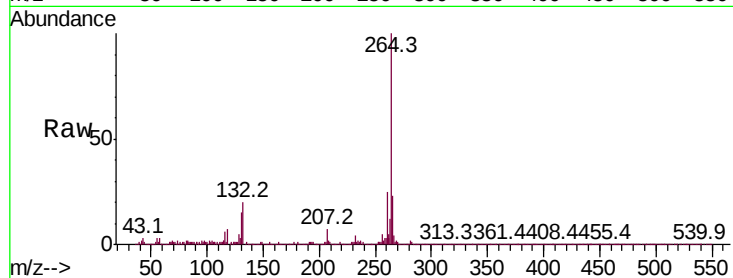
#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.29 min Scan# 3469
Delta R.T. -0.01 min
Lab File: BP002469.D
Acq: 19 Jun 2020 21:08

Instrument :
BNA_P
ClientSampleId :
SAMPLE-A-LOT-11

Tot Ion	Ratio	Resp Lower	Upper
264	100		
260	25.0	19.4	29.0
265	23.2	17.4	26.2

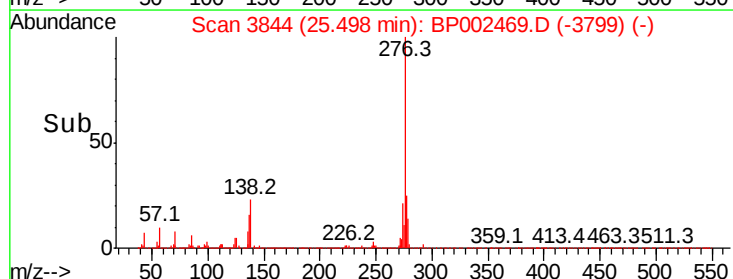
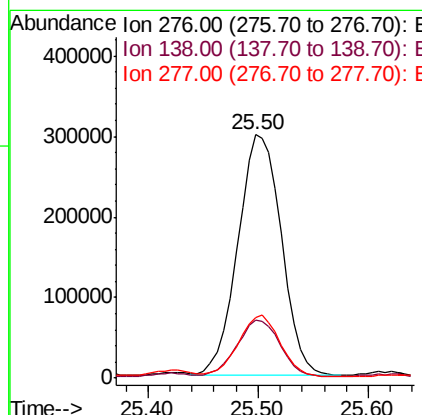
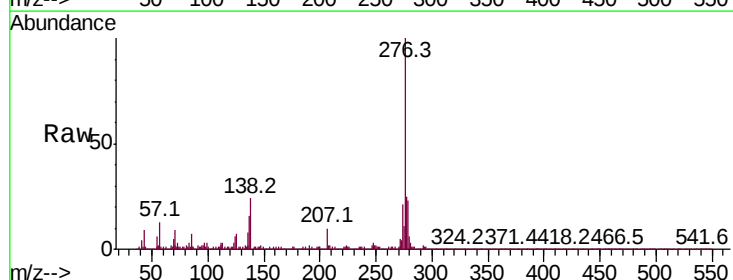
Manual Integrations
APPROVED

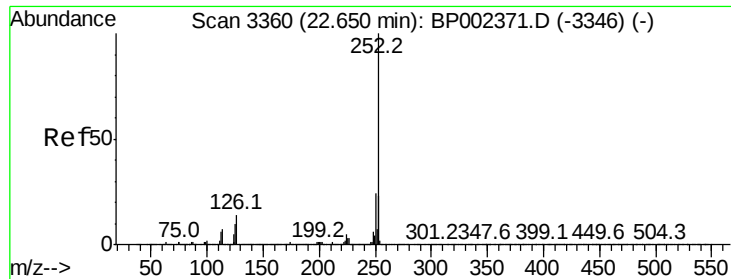
mohammad
6/22/2020 3:26:20 PM



#87
Indeno(1,2,3-cd)pyrene
Concen: 16.618 ng
RT: 25.50 min Scan# 3844
Delta R.T. -0.03 min
Lab File: BP002469.D
Acq: 19 Jun 2020 21:08

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	23.6	21.2	31.8
277	24.6	20.3	30.5





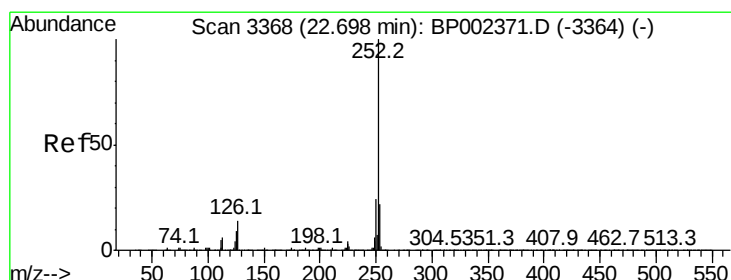
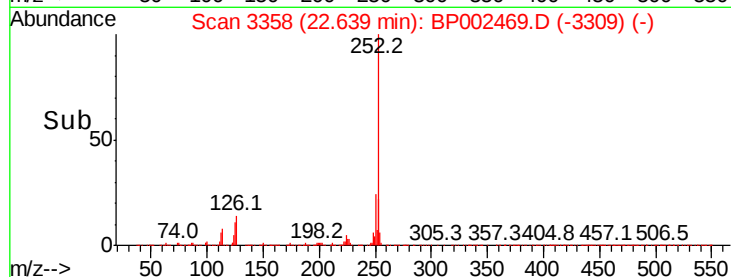
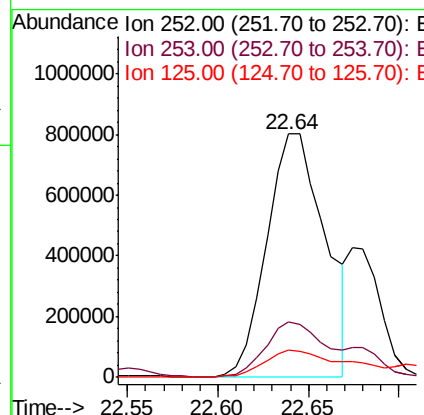
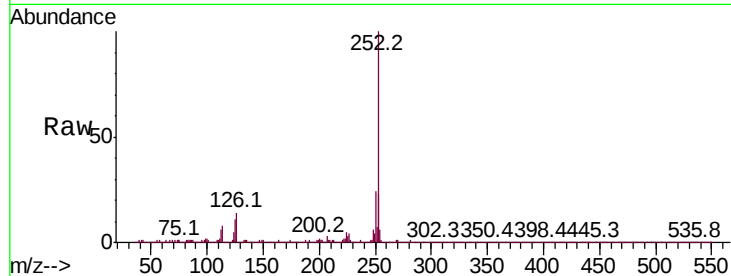
#88
Benzo(b)fluoranthene
Concen: 41.558 ng
RT: 22.64 min Scan# 3358
Delta R.T. -0.01 min
Lab File: BP002469.D
Acq: 19 Jun 2020 21:08

Instrument :
BNA_P
ClientSampleId :
SAMPLE-A-LOT-11

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	11.2	8.2	12.2

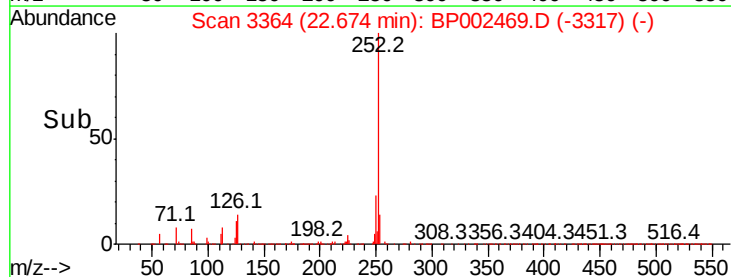
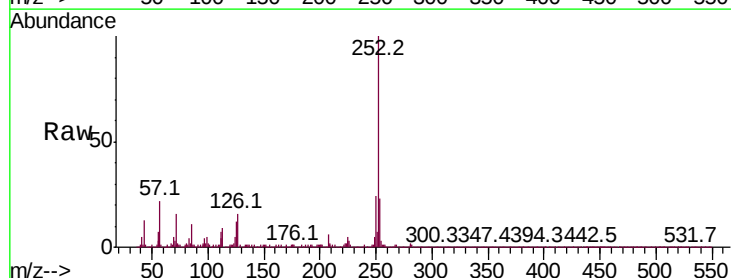
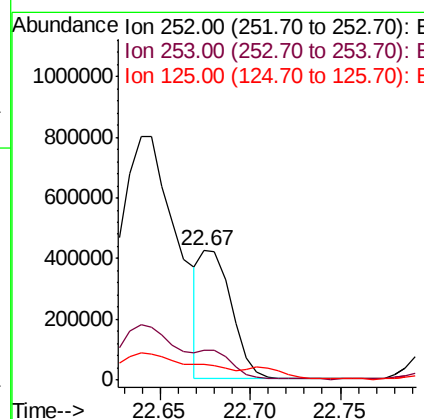
Manual Integrations
APPROVED

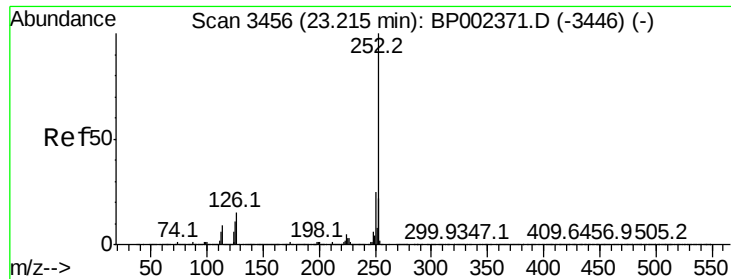
mohammad
6/22/2020 3:26:20 PM



#89
Benzo(k)fluoranthene
Concen: 12.601 ng m
RT: 22.67 min Scan# 3364
Delta R.T. -0.02 min
Lab File: BP002469.D
Acq: 19 Jun 2020 21:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.6
125	12.3	7.8	11.8





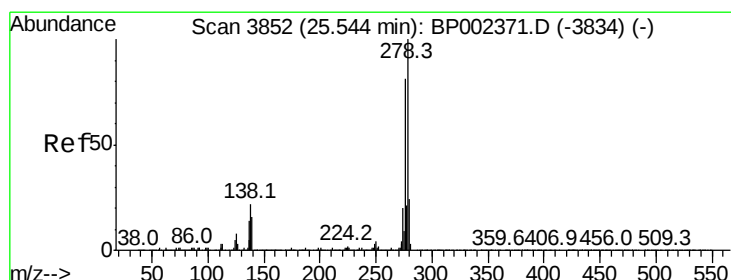
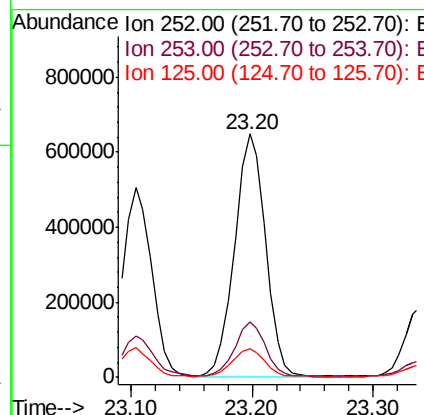
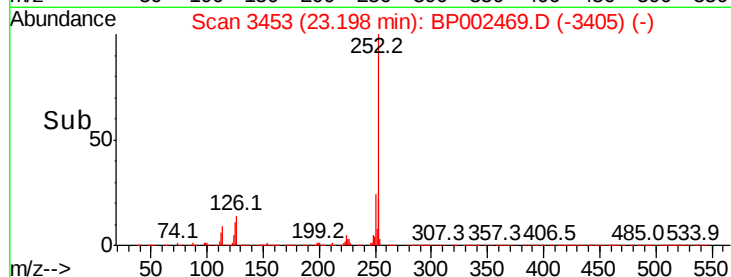
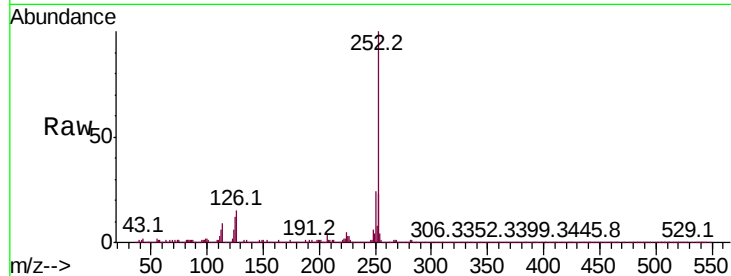
#90
Benzo(a)pyrene
Concen: 28.700 ng
RT: 23.20 min Scan# 3453
Delta R.T. -0.02 min
Lab File: BP002469.D
Acq: 19 Jun 2020 21:08

Instrument :
BNA_P
ClientSampleId :
SAMPLE-A-LOT-11

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.8
125	11.9	9.2	13.8

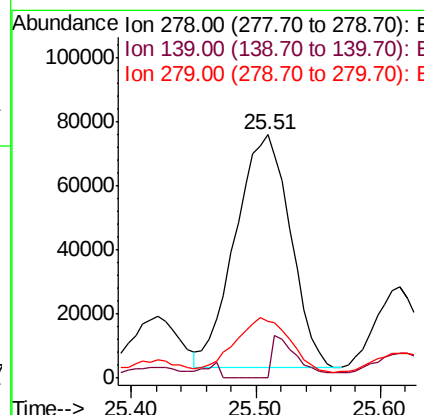
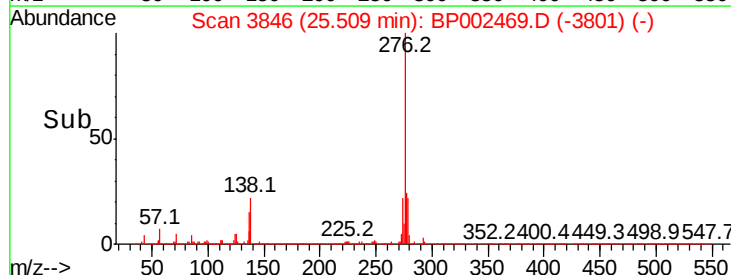
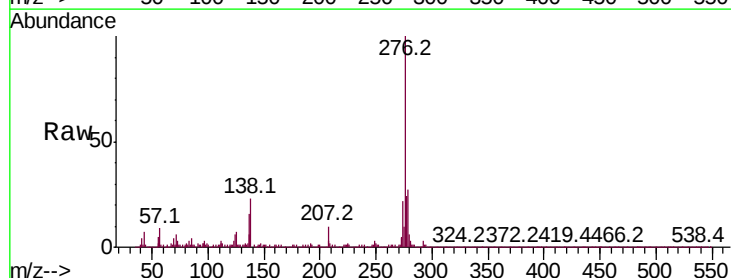
Manual Integrations
APPROVED

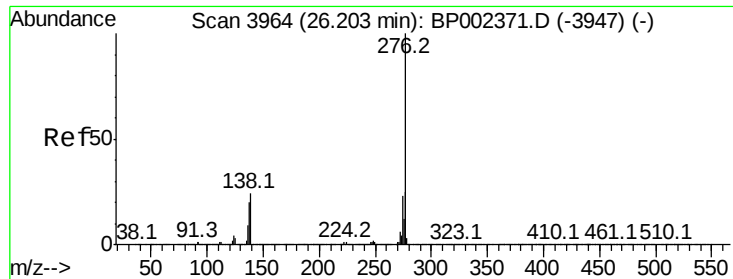
mohammad
6/22/2020 3:26:20 PM



#91
Dibenzo(a,h)anthracene
Concen: 5.573 ng m
RT: 25.51 min Scan# 3846
Delta R.T. -0.03 min
Lab File: BP002469.D
Acq: 19 Jun 2020 21:08

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.1	19.7#
279	23.4	18.9	28.3





#92
 Benzo(a,h,i)perylene
 Concen: 19.472 ng
 RT: 26.17 min Scan# 3959
 Delta R.T. -0.03 min
 Lab File: BP002469.D
 Acq: 19 Jun 2020 21:08

Instrument :
 BNA_P
 ClientSampleId :
 SAMPLE-A-LOT-11

Tot Ion:	276	Resp:	806954
Ion Ratio	Lower	Upper	
276	100		
277	24.9	19.8	29.6
138	24.5	19.2	28.8

Manual Integrations
 APPROVED

mohammad
 6/22/2020 3:26:20 PM

