

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072320\
 Data File : BP002842.D
 Acq On : 23 Jul 2020 16:11
 Operator : CG/JU
 Sample : L3360-01RX
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SP-1ARX

Manual Integrations
 APPROVED

Sohil
 7/24/2020 12:13:13 PM

Quant Time: Jul 24 02:18:43 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP071020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 13 10:54:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	62986	20.00	ng	-0.01
21) Naphthalene-d8	10.31	136	274197	20.00	ng	-0.02
39) Acenaphthene-d10	14.20	164	175983	20.00	ng	-0.01
64) Phenanthrene-d10	16.96	188	416574	20.00	ng	-0.01
76) Chrysene-d12	21.07	240	516122	20.00	ng	0.00
86) Perylene-d12	23.26	264	594666	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.17	112	161853	43.36	ng	-0.01
7) Phenol-d6	6.75	99	452297	84.89	ng	-0.01
23) Nitrobenzene-d5	8.69	82	326114	63.61	ng	-0.02
42) 2,4,6-Tribromophenol	15.70	330	57047	31.05	ng	0.00
45) 2-Fluorobiphenyl	12.80	172	662622	58.25	ng	-0.02
79) Terphenyl-d14	19.55	244	1088413	48.35	ng	-0.01
Target Compounds						Qvalue
50) Dimethylphthalate	13.66	163	125198	9.328	ng	99
71) Phenanthrene	17.00	178	508638	22.551	ng	99
72) Anthracene	17.09	178	139127	6.286	ng	97
73) Carbazole	17.37	167	96224	4.430	ng	100
75) Fluoranthene	18.99	202	1565316	59.894	ng	98
78) Pyrene	19.35	202	1428225	40.079	ng	99
81) Benzo(a)anthracene	21.06	228	956929	28.642	ng	100
83) Chrysene	21.10	228	953619m	29.986	ng	
87) Indeno(1,2,3-cd)pyrene	25.47	276	513438	11.946	ng	96
88) Benzo(b)fluoranthene	22.61	252	1228124m	33.260	ng	
89) Benzo(k)fluoranthene	22.65	252	364198m	10.013	ng	
90) Benzo(a)pyrene	23.17	252	835443	23.876	ng	99
91) Dibenzo(a,h)anthracene	25.47	278	141935	4.095	ng	# 79
92) Benzo(a,h,i)perylene	26.14	276	504687	14.361	ng	97

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

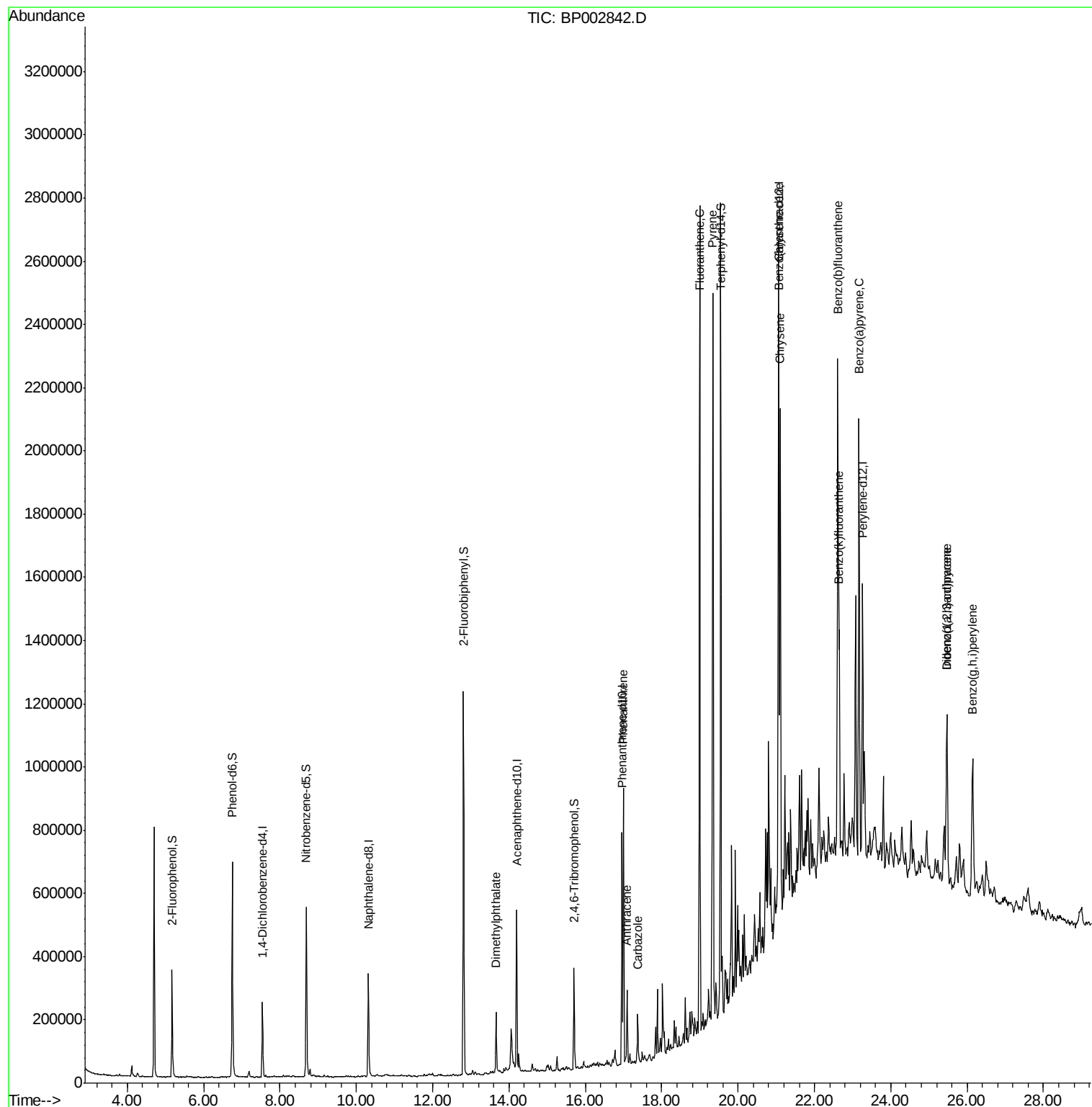
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072320\
Data File : BP002842.D
Acq On : 23 Jul 2020 16:11
Operator : CG/JU
Sample : L3360-01RX
Misc :
ALS Vial : 7 Sample Multiplier: 1

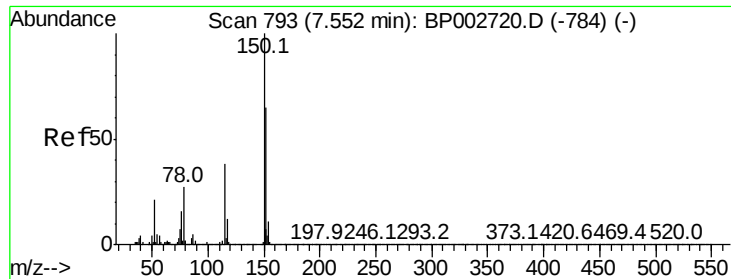
Instrument :
BNA_P
ClientSampleId :
SP-1ARX

Manual Integrations
APPROVED

Sohil
7/24/2020 12:13:13 PM

Quant Time: Jul 24 02:18:43 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 13 10:54:03 2020
Response via : Initial Calibration





#1

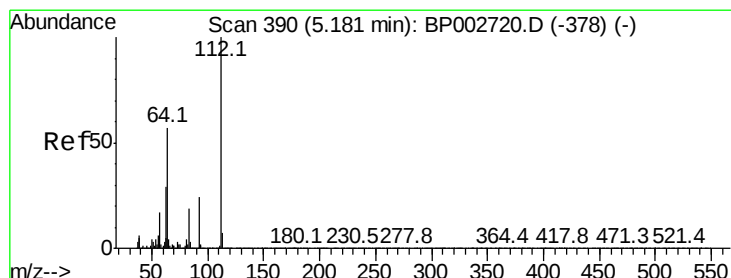
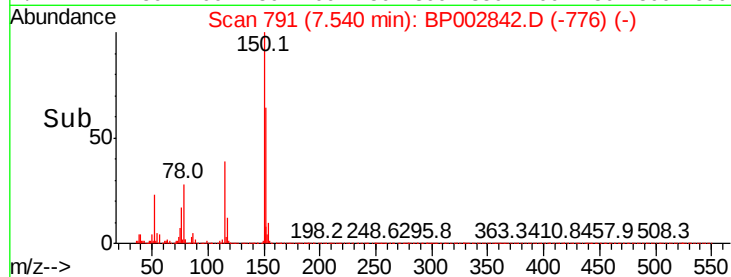
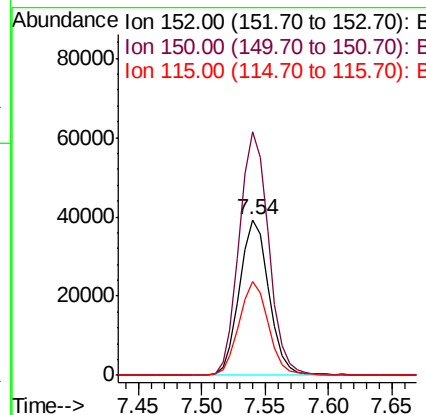
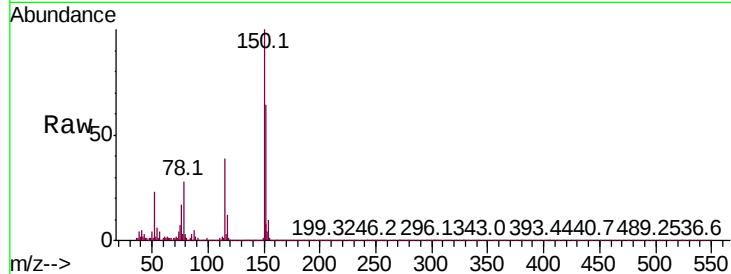
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.54 min Scan# 791
Delta R.T. -0.01 min
Lab File: BP002842.D
Acq: 23 Jul 2020 16:11

Instrument :
BNA_P
ClientSampleId :
SP-1ARX

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	123.7	185.5
115	60.5	47.2	70.8

Manual Integrations
APPROVED

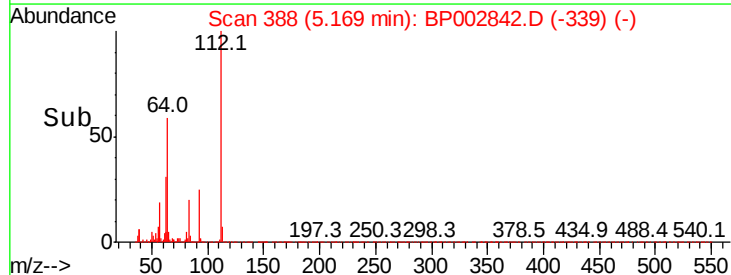
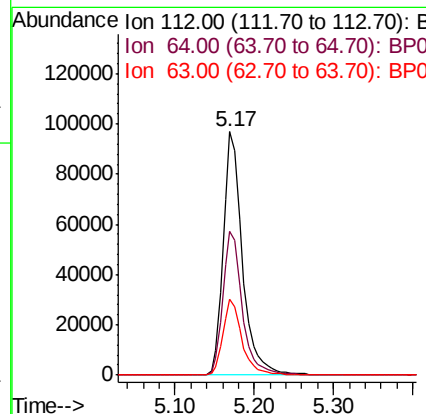
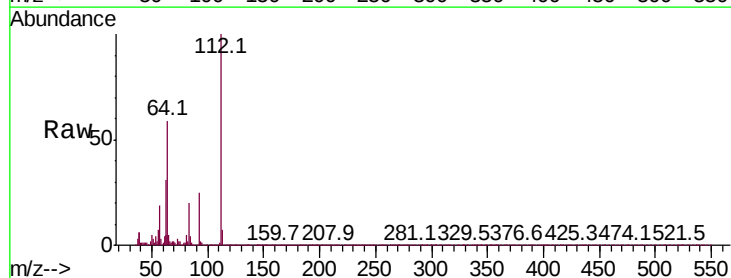
Sohil
7/24/2020 12:13:13 PM

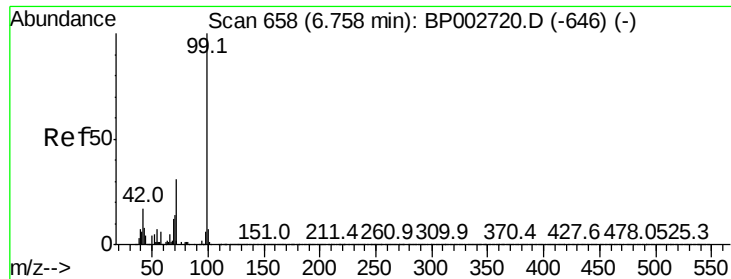


#5

2-Fluorophenol
Concen: 43.355 ng
RT: 5.17 min Scan# 388
Delta R.T. -0.01 min
Lab File: BP002842.D
Acq: 23 Jul 2020 16:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.2	45.6	68.4
63	31.0	23.5	35.3





#7

Phenol-d6

Concen: 84.892 ng

RT: 6.75 min Scan# 656

Delta R.T. -0.01 min

Lab File: BP002842.D

Acq: 23 Jul 2020 16:11

Instrument :

BNA_P

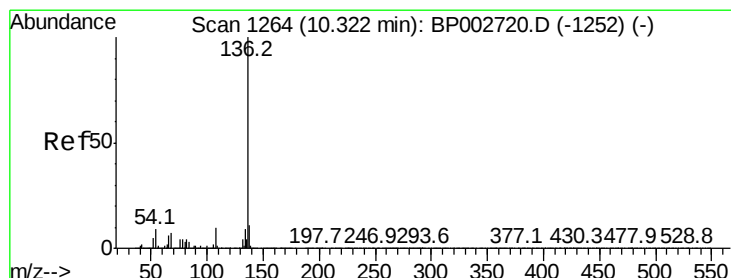
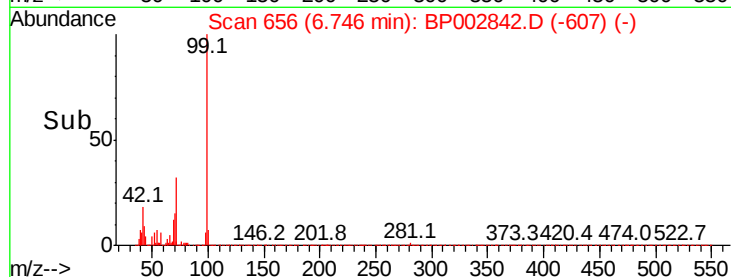
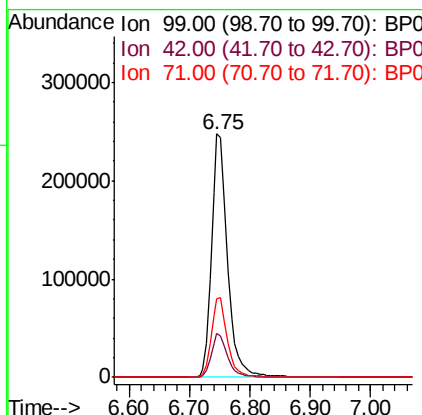
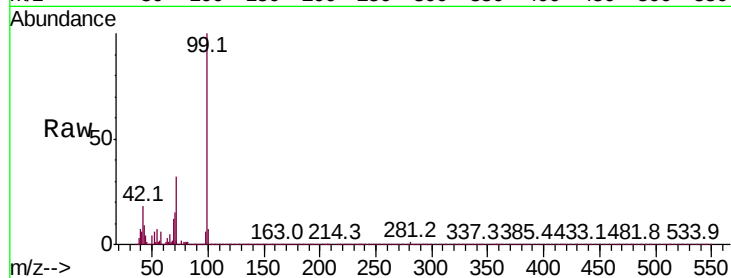
ClientSampleId :

SP-1ARX

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		452297		
42	18.2	13.4	20.2		
71	32.4	24.6	36.8		

Manual Integrations
APPROVED

Sohil
7/24/2020 12:13:13 PM



#21

Naphthalene-d8

Concen: 20.000 ng

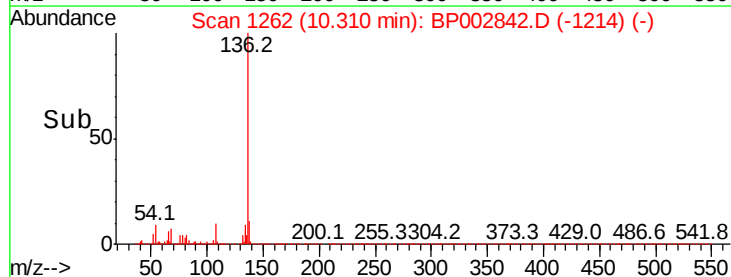
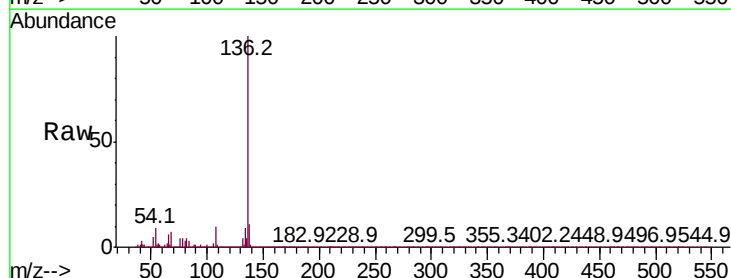
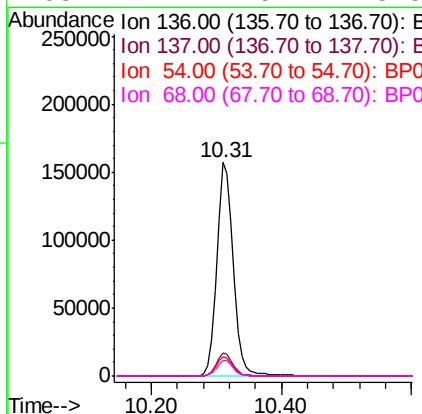
RT: 10.31 min Scan# 1262

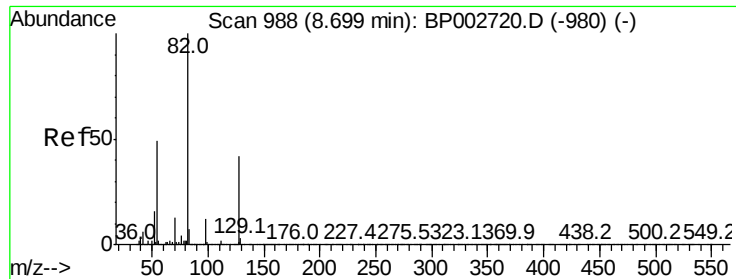
Delta R.T. -0.02 min

Lab File: BP002842.D

Acq: 23 Jul 2020 16:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		274197		
137	10.8	8.6	13.0		
54	9.0	6.9	10.3		
68	7.4	5.7	8.5		





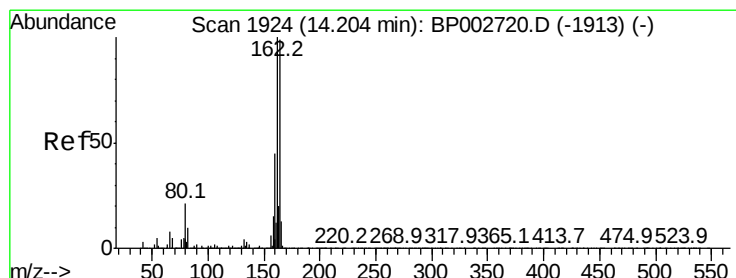
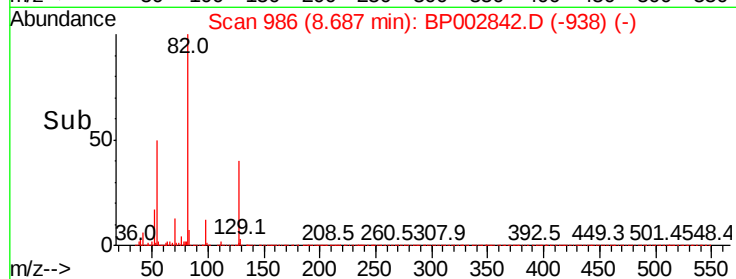
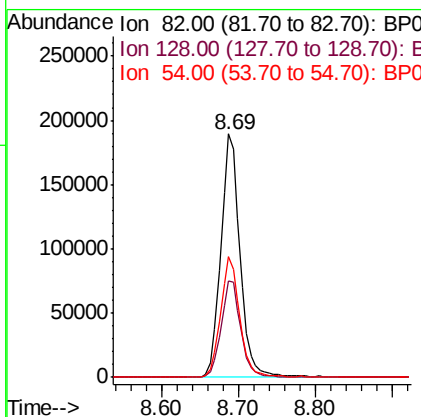
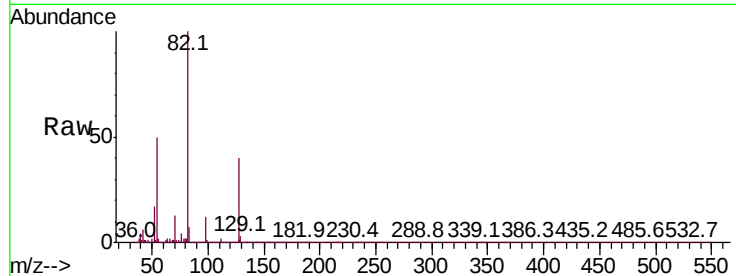
#23
Nitrobenzene-d5
Concen: 63.610 ng
RT: 8.69 min Scan# 986
Delta R.T. -0.02 min
Lab File: BP002842.D
Acq: 23 Jul 2020 16:11

Instrument :
BNA_P
ClientSampled :
SP-1ARX

Tot Ion	Ratio	Lower	Upper
82	100		
128	39.8	33.8	50.8
54	49.6	38.8	58.2

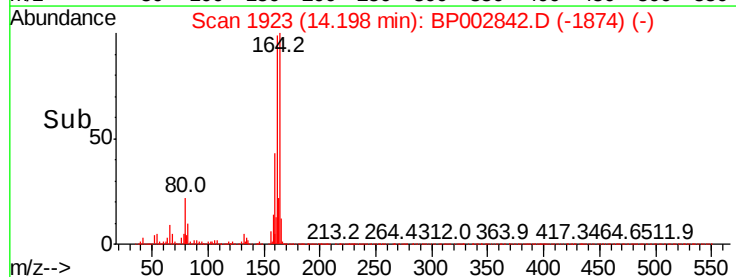
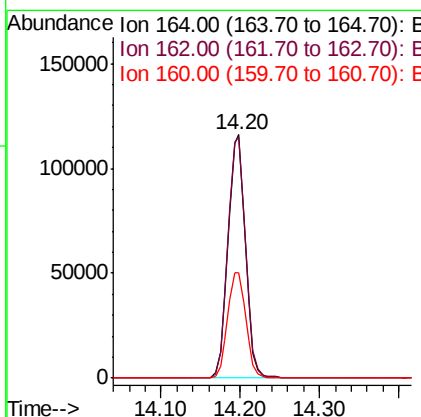
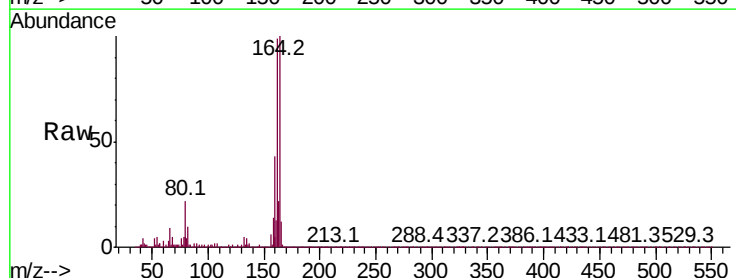
Manual Integrations
APPROVED

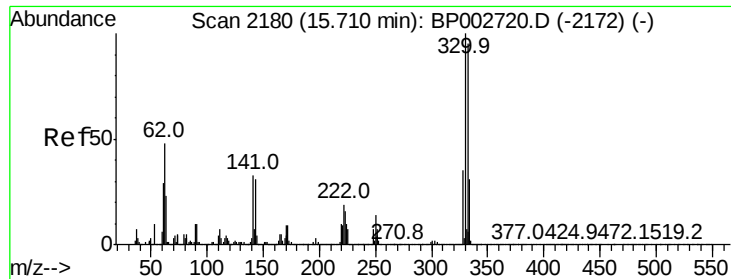
Sohil
7/24/2020 12:13:13 PM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.20 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BP002842.D
Acq: 23 Jul 2020 16:11

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.8	80.6	121.0
160	43.2	36.4	54.6





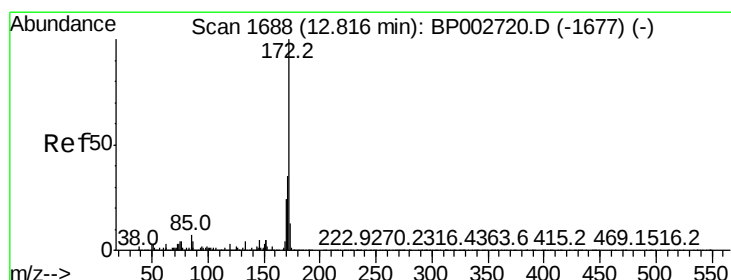
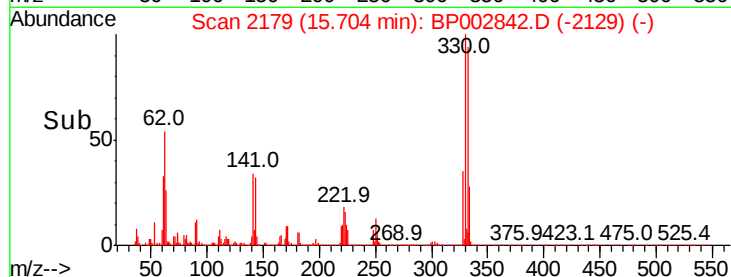
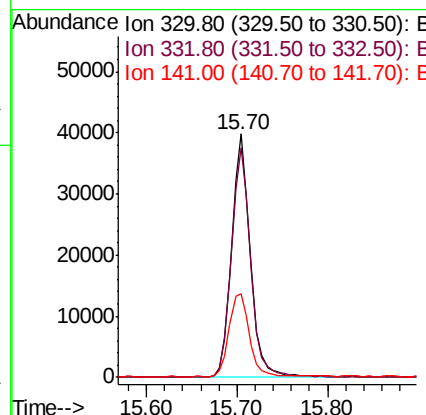
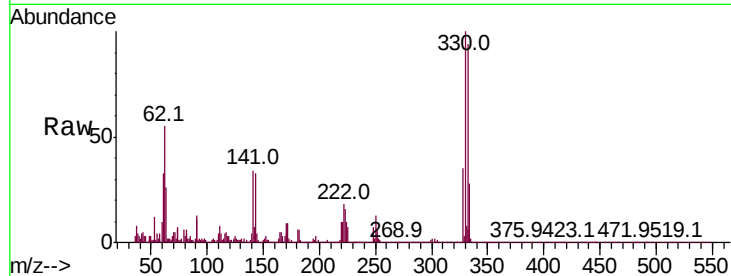
#42
 2,4,6-Tribromophenol
 Concen: 31.055 ng
 RT: 15.70 min Scan# 2179
 Delta R.T. -0.01 min
 Lab File: BP002842.D
 Acq: 23 Jul 2020 16:11

Instrument :
 BNA_P
 ClientSampled :
 SP-1ARX

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.7	76.5	114.7
141	36.7	28.8	43.2

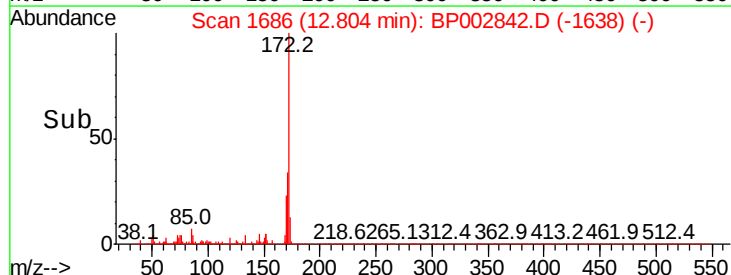
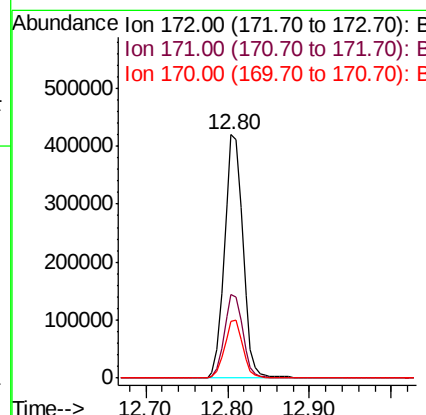
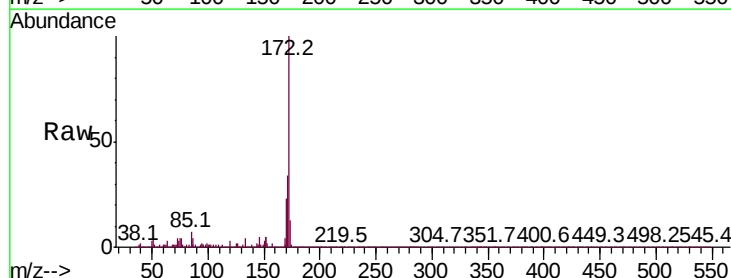
Manual Integrations
 APPROVED

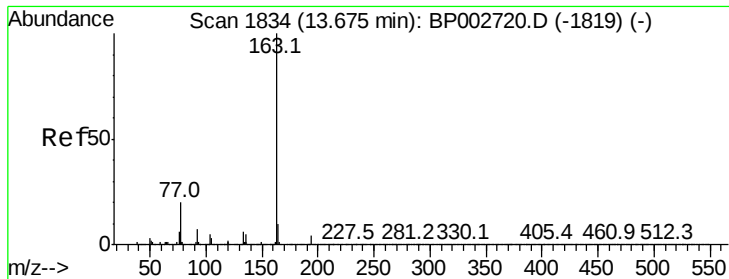
Sohil
 7/24/2020 12:13:13 PM



#45
 2-Fluorobiphenyl
 Concen: 58.248 ng
 RT: 12.80 min Scan# 1686
 Delta R.T. -0.02 min
 Lab File: BP002842.D
 Acq: 23 Jul 2020 16:11

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.1	28.1	42.1
170	23.2	19.3	28.9





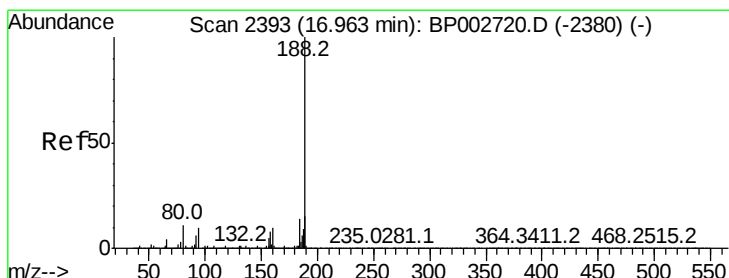
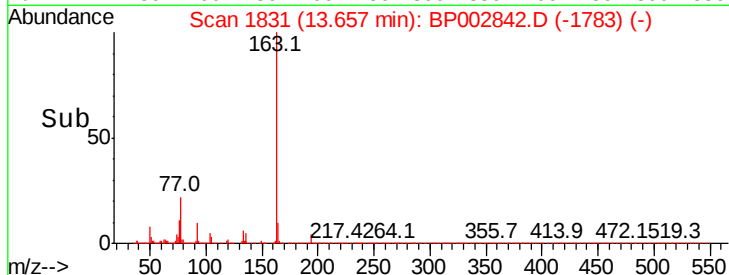
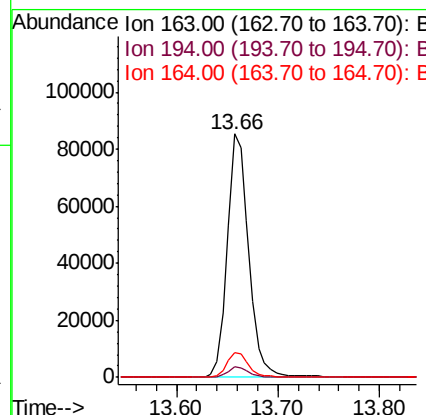
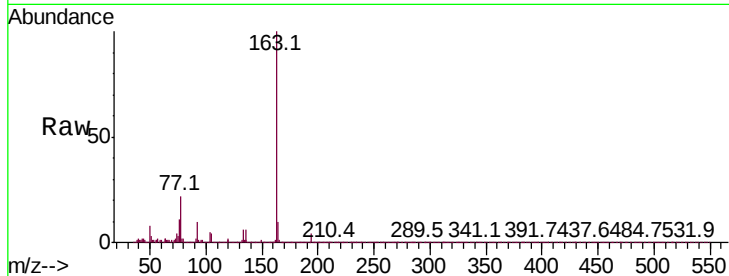
#50
Dimethylphthalate
Concen: 9.328 ng
RT: 13.66 min Scan# 1831
Delta R.T. -0.02 min
Lab File: BP002842.D
Acq: 23 Jul 2020 16:11

Instrument :
BNA_P
ClientSampled :
SP-1ARX

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	4.2	3.4	5.2
164	10.3	7.8	11.8

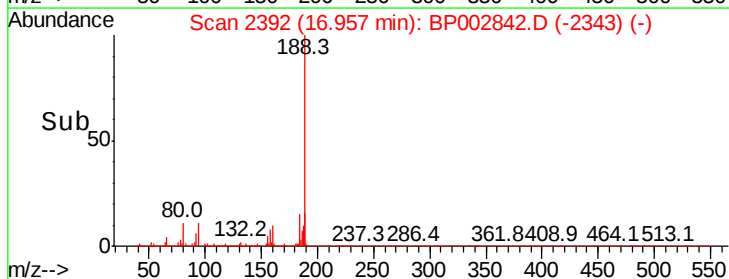
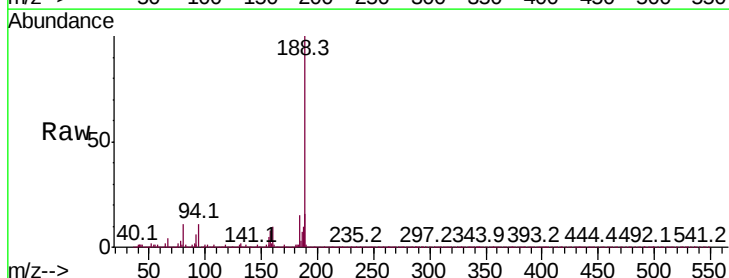
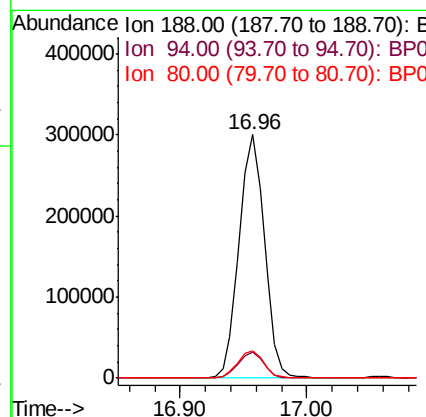
Manual Integrations
APPROVED

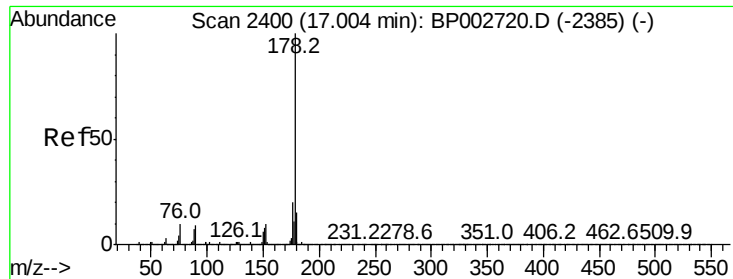
Sohil
7/24/2020 12:13:13 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.96 min Scan# 2392
Delta R.T. -0.01 min
Lab File: BP002842.D
Acq: 23 Jul 2020 16:11

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	10.6	8.1	12.1
80	11.4	8.9	13.3





#71

Phenanthrene

Concen: 22.551 ng

RT: 17.00 min Scan# 2399

Delta R.T. -0.01 min

Lab File: BP002842.D

Acq: 23 Jul 2020 16:11

Instrument :

BNA_P

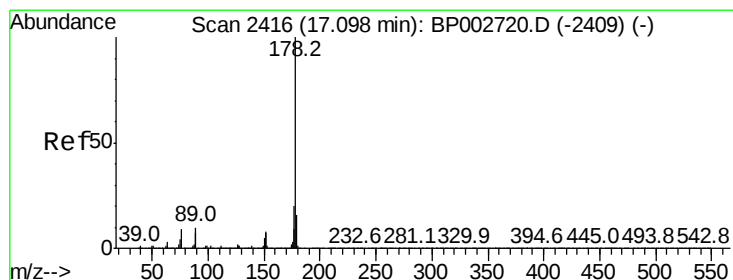
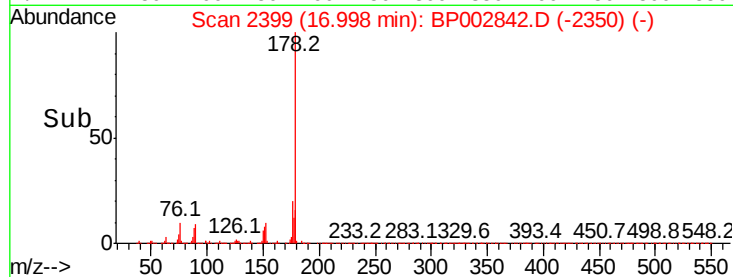
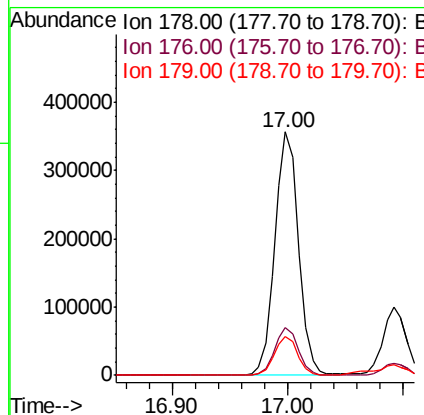
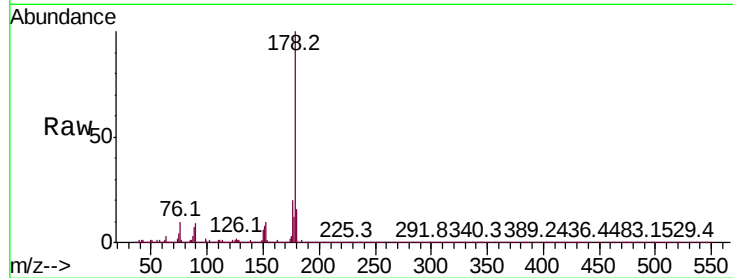
ClientSampleId :

SP-1ARX

Tot Ion:	178	Resp:	508638
Ion Ratio	Lower	Upper	
178	100		
176	19.9	15.9	23.9
179	16.1	12.3	18.5

Manual Integrations
APPROVED

Sohil
7/24/2020 12:13:13 PM



#72

Anthracene

Concen: 6.286 ng

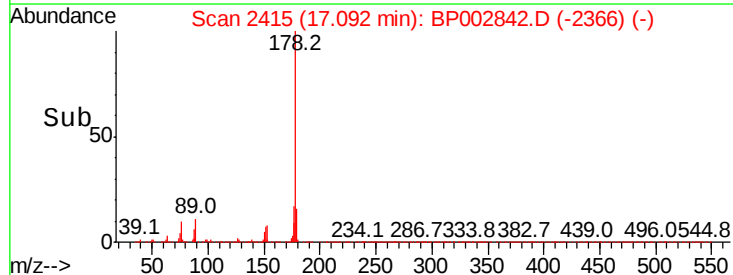
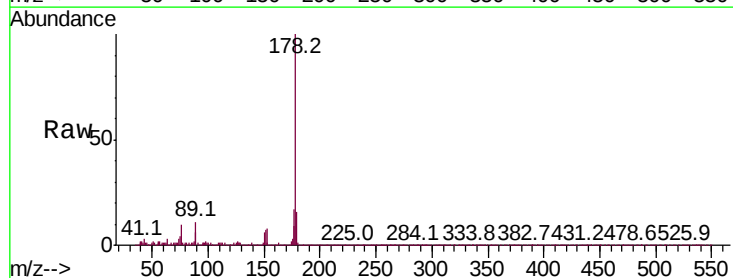
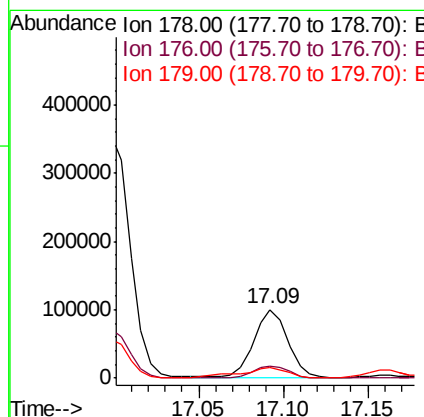
RT: 17.09 min Scan# 2415

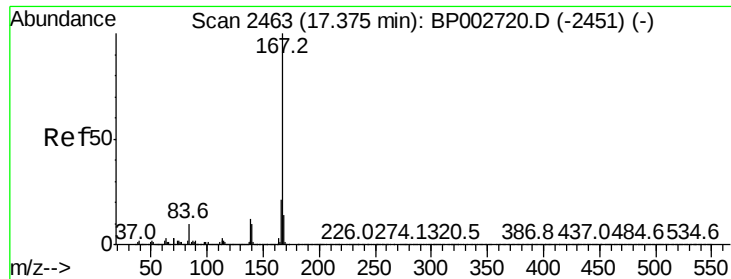
Delta R.T. -0.01 min

Lab File: BP002842.D

Acq: 23 Jul 2020 16:11

Tgt Ion:	178	Resp:	139127
Ion Ratio	Lower	Upper	
178	100		
176	17.4	15.6	23.4
179	15.6	12.6	19.0





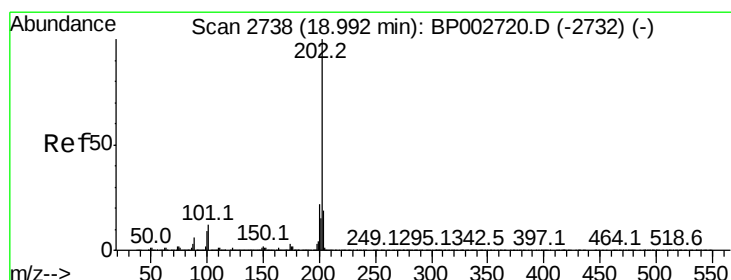
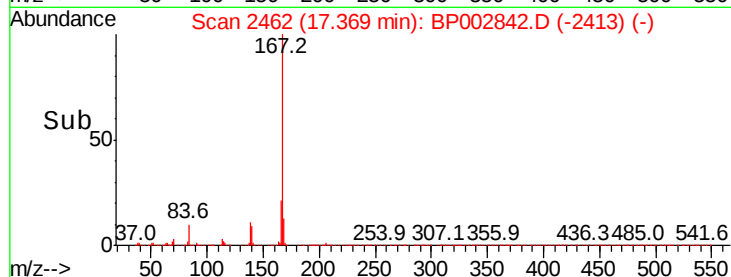
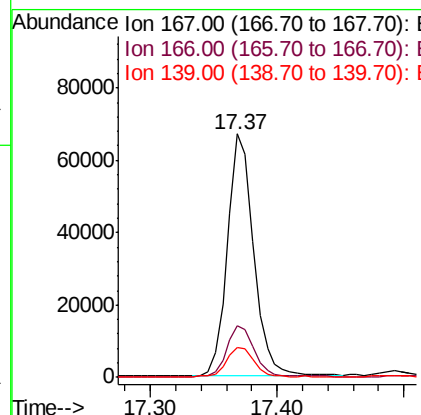
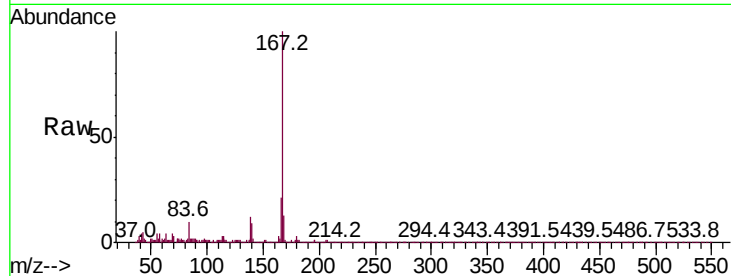
#73
 Carbazole
 Concen: 4.430 ng
 RT: 17.37 min Scan# 2462
 Delta R.T. -0.01 min
 Lab File: BP002842.D
 Acq: 23 Jul 2020 16:11

Instrument :
 BNA_P
 ClientSampleId :
 SP-1ARX

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.1	25.7
139	12.2	9.6	14.4

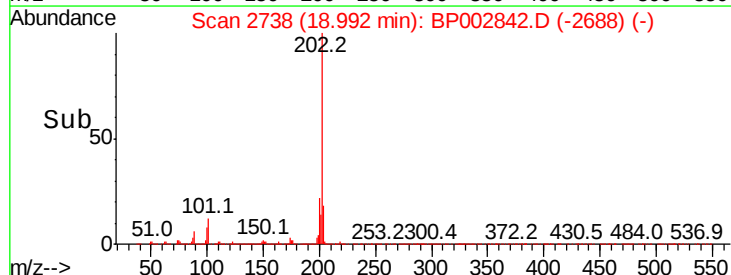
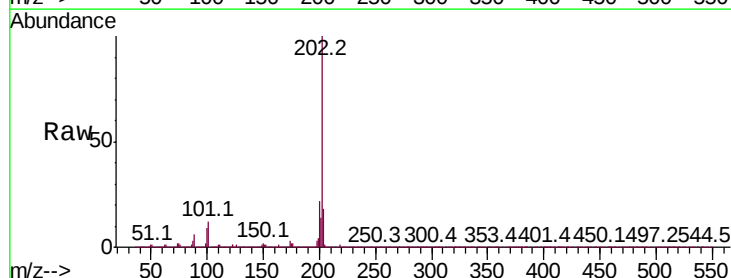
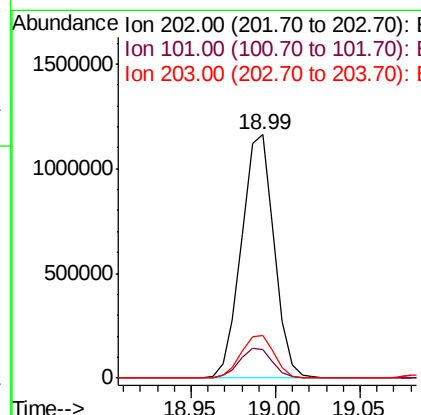
Manual Integrations
 APPROVED

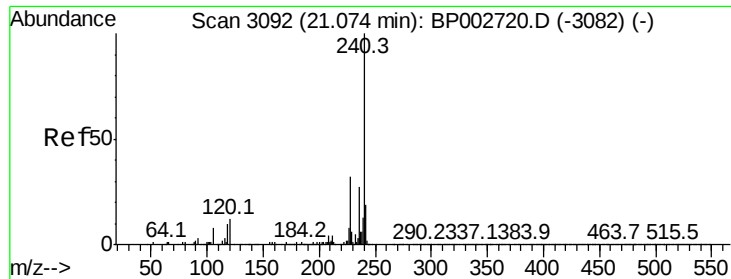
Sohil
 7/24/2020 12:13:13 PM



#75
 Fluoranthene
 Concen: 59.894 ng
 RT: 18.99 min Scan# 2738
 Delta R.T. -0.01 min
 Lab File: BP002842.D
 Acq: 23 Jul 2020 16:11

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	32.5
203	17.7	0.0	38.6





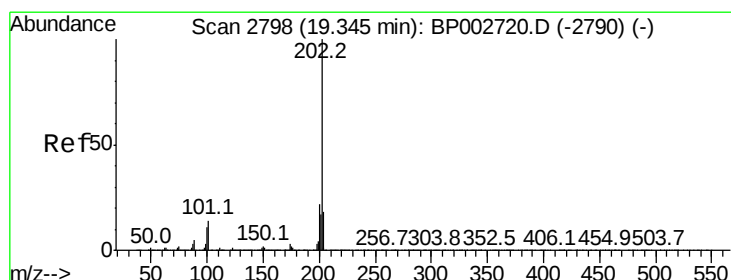
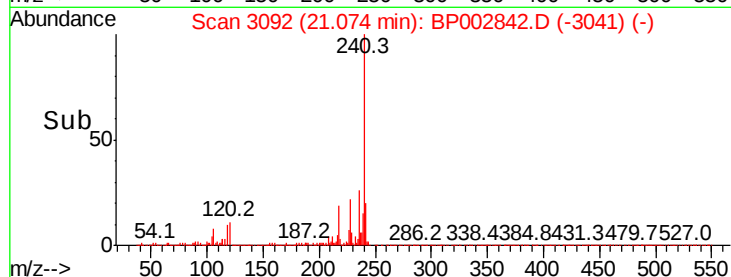
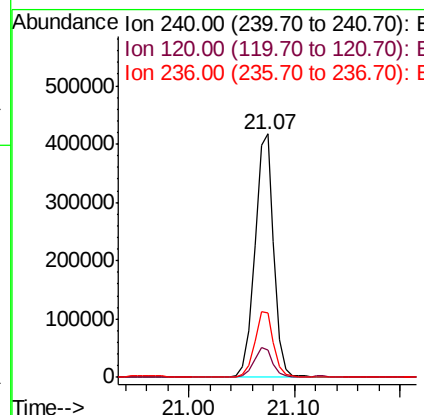
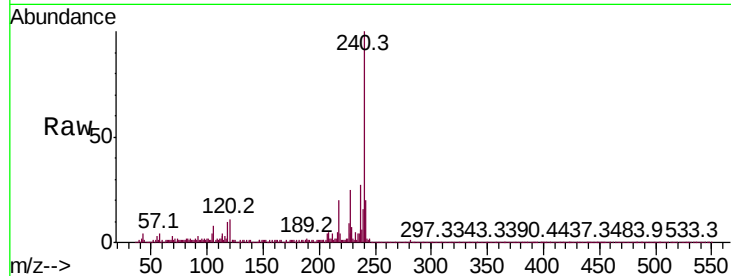
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.07 min Scan# 3092
Delta R.T. 0.00 min
Lab File: BP002842.D
Acq: 23 Jul 2020 16:11

Instrument :
BNA_P
ClientSampled :
SP-1ARX

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.5	9.4	14.2
236	26.7	21.3	31.9

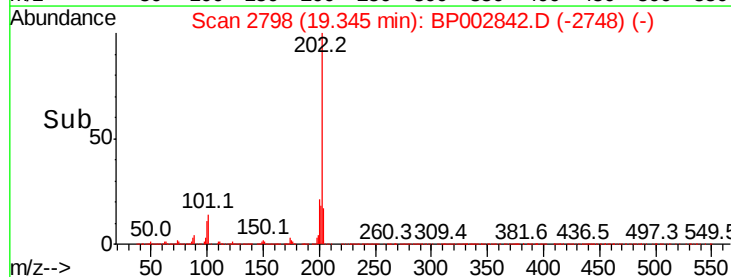
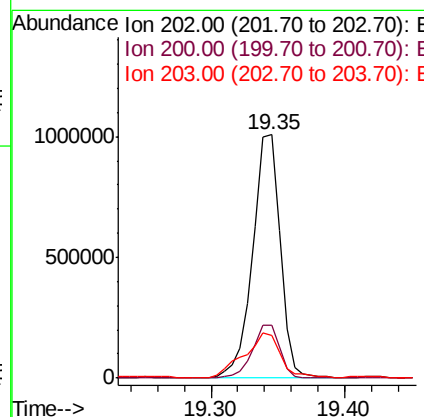
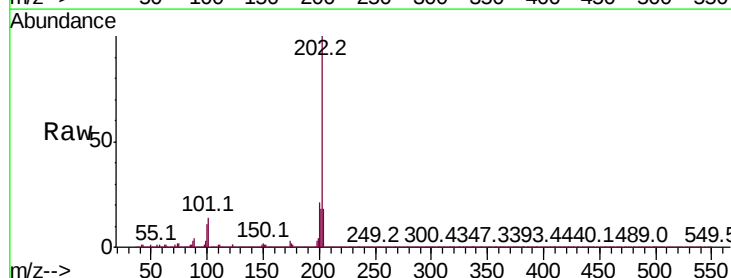
Manual Integrations
APPROVED

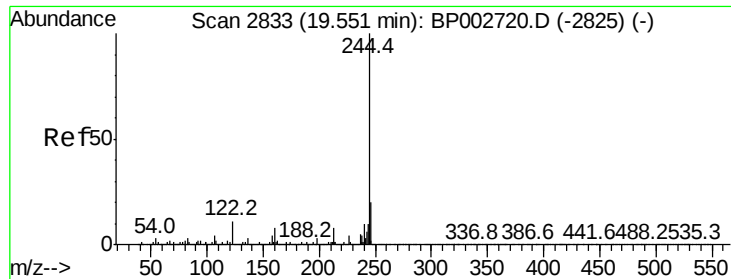
Sohil
7/24/2020 12:13:13 PM



#78
Pyrene
Concen: 40.079 ng
RT: 19.35 min Scan# 2798
Delta R.T. -0.01 min
Lab File: BP002842.D
Acq: 23 Jul 2020 16:11

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.7	26.5
203	17.6	14.5	21.7





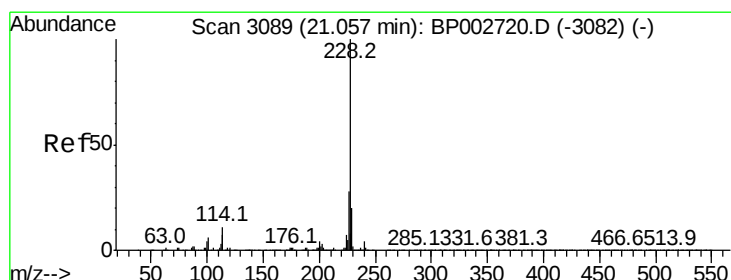
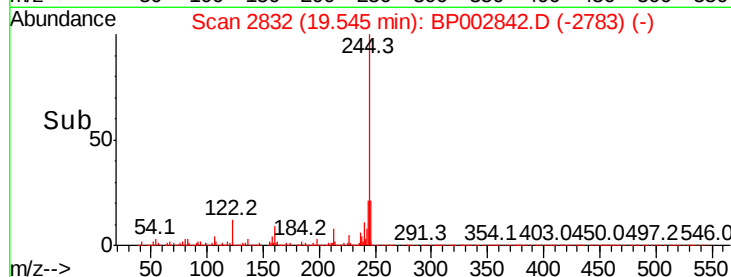
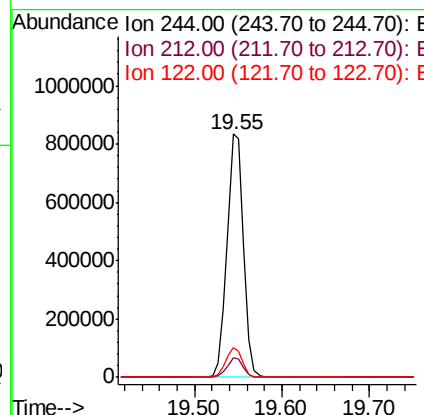
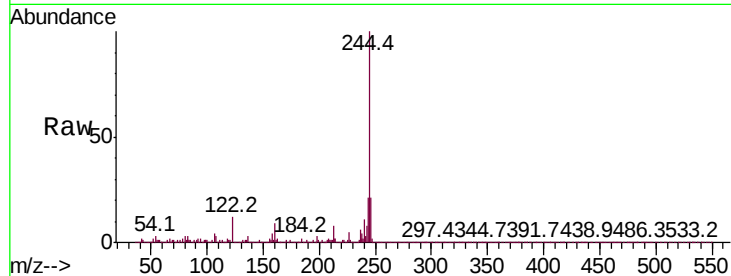
#79
 Terphenyl-d14
 Concen: 48.350 ng
 RT: 19.55 min Scan# 2832
 Delta R.T. -0.01 min
 Lab File: BP002842.D
 Acq: 23 Jul 2020 16:11

Instrument :
 BNA_P
 ClientSampled :
 SP-1ARX

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.0	9.0
122	12.1	8.9	13.3

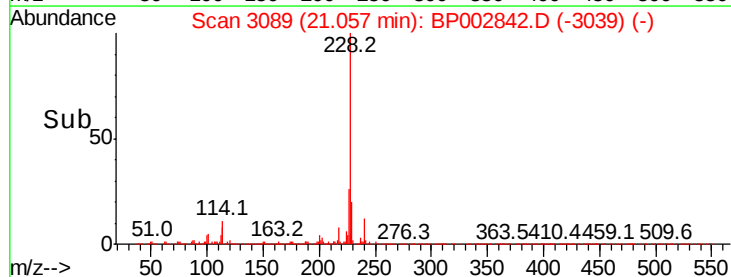
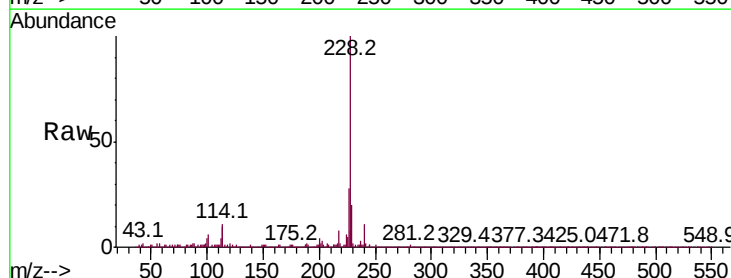
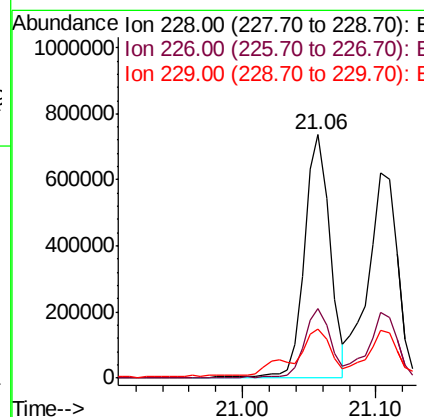
Manual Integrations
 APPROVED

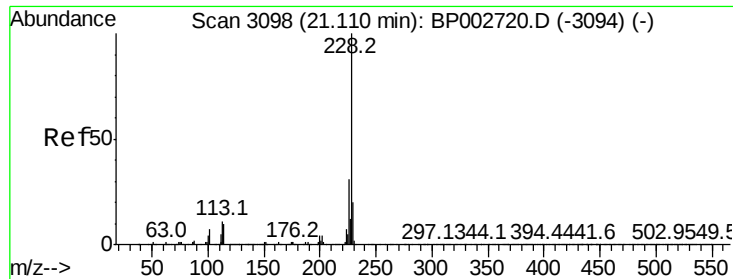
Sohil
 7/24/2020 12:13:13 PM



#81
 Benzo(a)anthracene
 Concen: 28.642 ng
 RT: 21.06 min Scan# 3089
 Delta R.T. -0.01 min
 Lab File: BP002842.D
 Acq: 23 Jul 2020 16:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.6	34.0
229	19.9	16.0	24.0





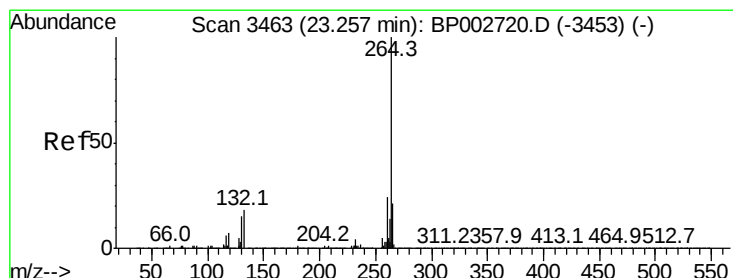
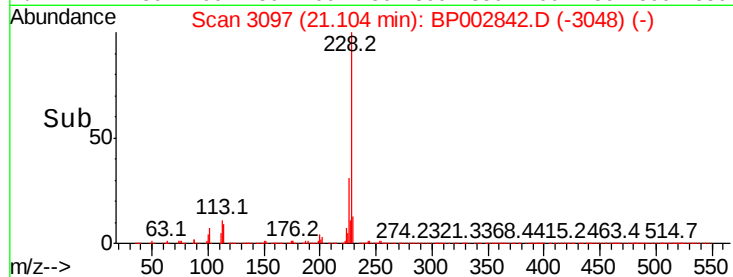
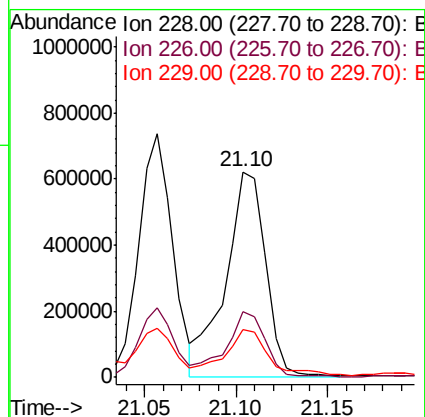
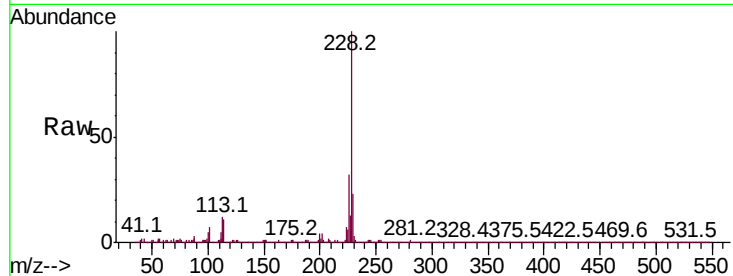
#83
Chrysene
Concen: 29.986 ng/ml
RT: 21.10 min Scan# 3097
Delta R.T. -0.01 min
Lab File: BP002842.D
Acq: 23 Jul 2020 16:11

Instrument :
BNA_P
ClientSampled :
SP-1ARX

Tot Ion:	228	Resp:	953619
Ion Ratio	Lower	Upper	
228	100		
226	31.7	24.6	37.0
229	23.3	15.7	23.5

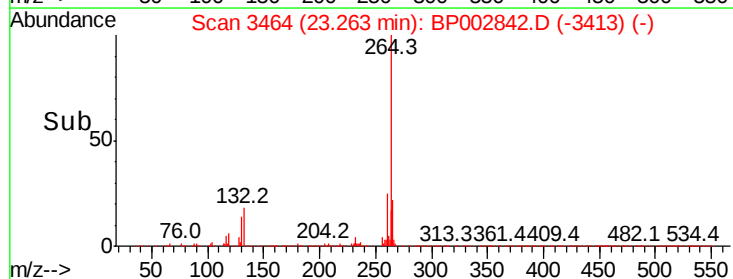
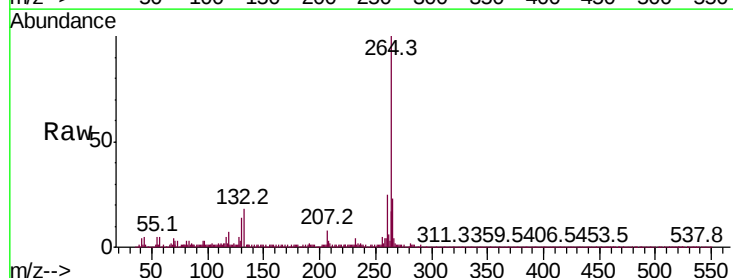
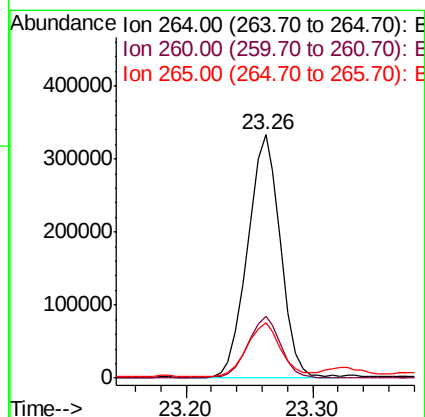
Manual Integrations
APPROVED

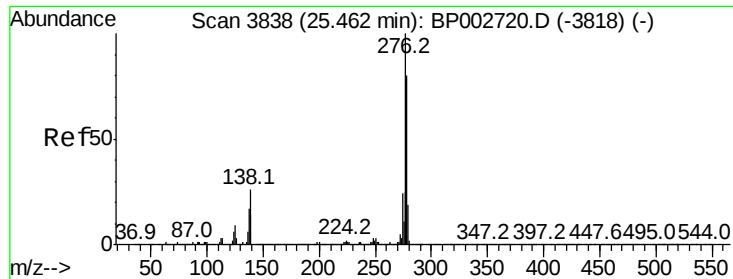
Sohil
7/24/2020 12:13:13 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.26 min Scan# 3464
Delta R.T. 0.00 min
Lab File: BP002842.D
Acq: 23 Jul 2020 16:11

Tgt Ion:	264	Resp:	594666
Ion Ratio	Lower	Upper	
264	100		
260	25.3	19.3	28.9
265	23.0	16.8	25.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 11.946 ng

RT: 25.47 min Scan# 3840

Delta R.T. 0.00 min

Lab File: BP002842.D

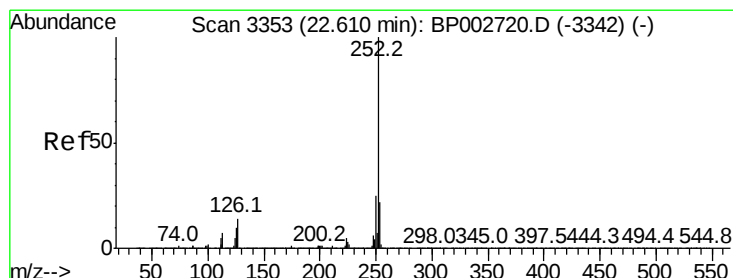
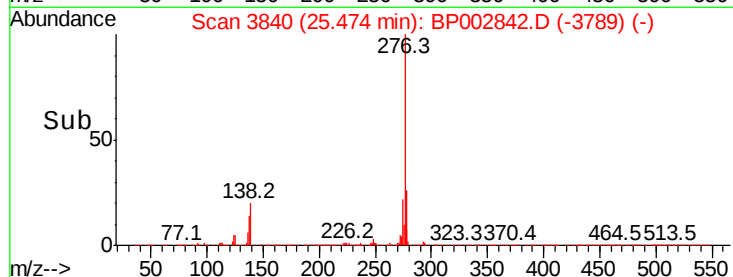
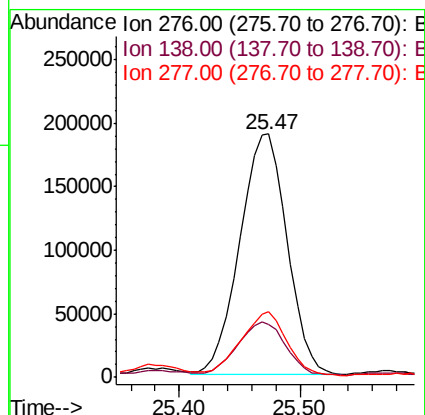
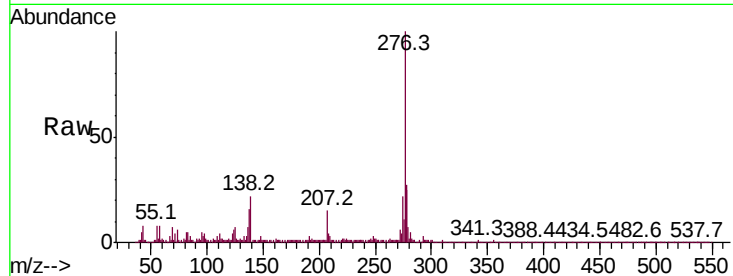
Acq: 23 Jul 2020 16:11

Instrument :
BNA_P
ClientSampled :
SP-1ARX

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.7	20.8	31.2
277	25.6	20.0	30.0

Manual Integrations
APPROVED

Sohil
7/24/2020 12:13:13 PM



#88

Benzo(b)fluoranthene

Concen: 33.260 ng m

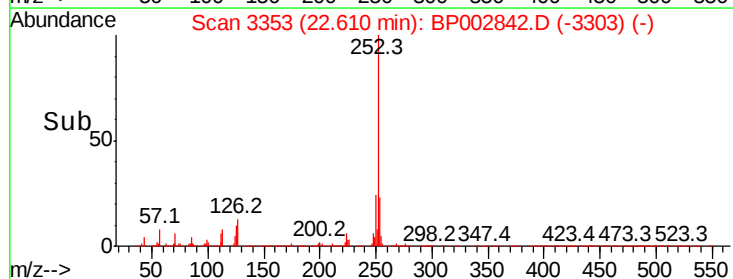
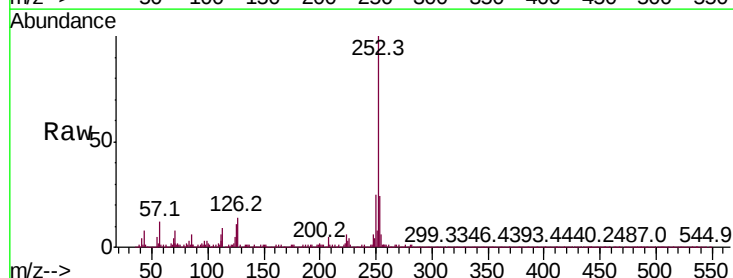
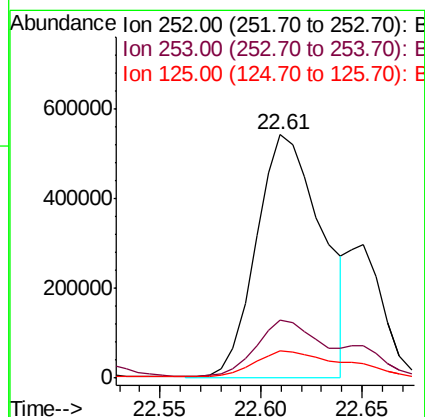
RT: 22.61 min Scan# 3353

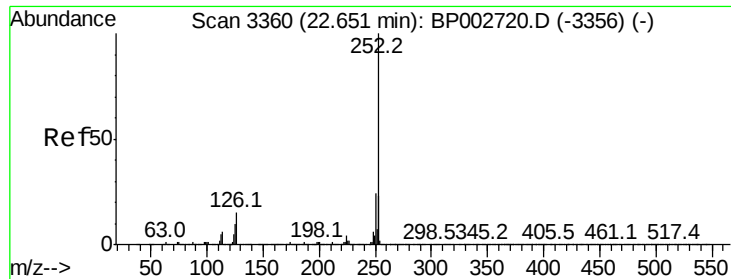
Delta R.T. -0.01 min

Lab File: BP002842.D

Acq: 23 Jul 2020 16:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.7	26.5
125	11.1	8.2	12.2





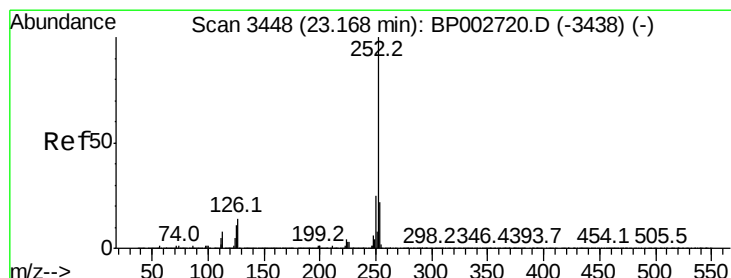
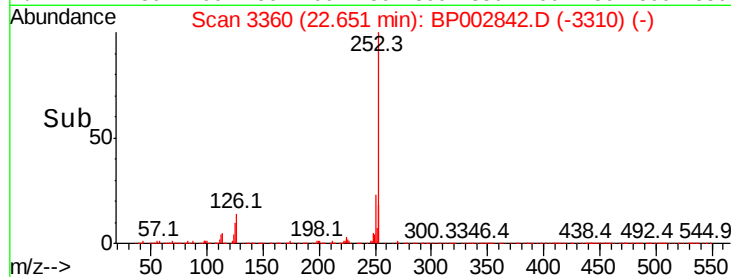
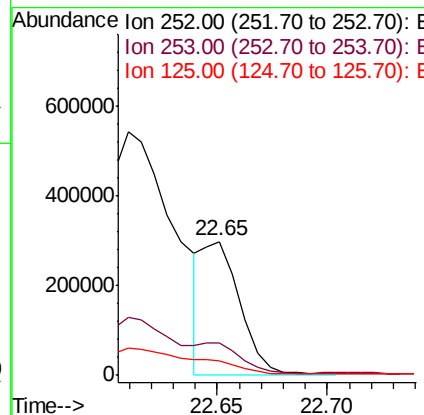
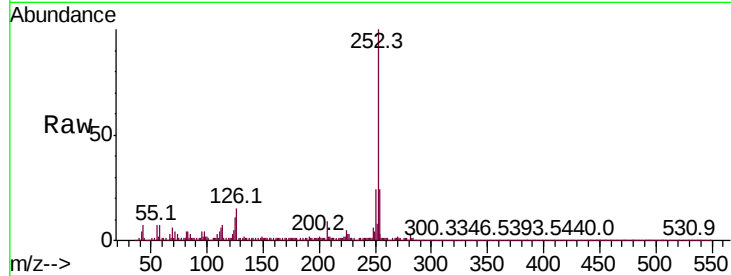
#89
Benzo(k)fluoranthene
Concen: 10.013 ng m
RT: 22.65 min Scan# 3360
Delta R.T. -0.01 min
Lab File: BP002842.D
Acq: 23 Jul 2020 16:11

Instrument :
BNA_P
ClientSampleId :
SP-1ARX

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.8	26.8
125	11.0	8.3	12.5

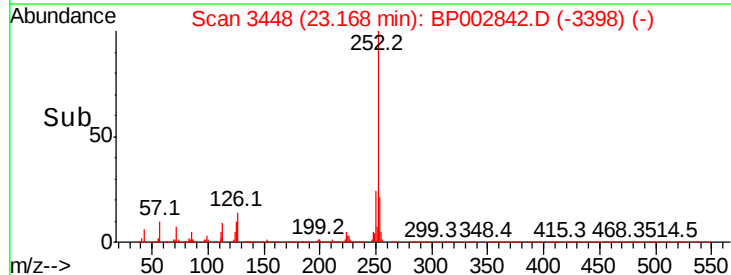
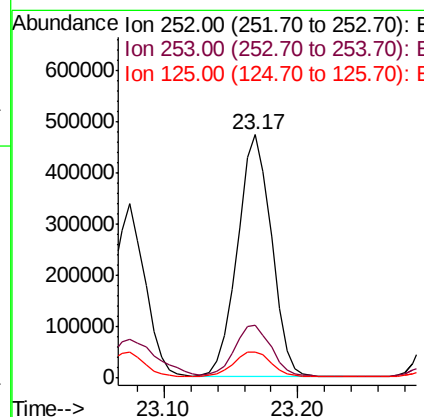
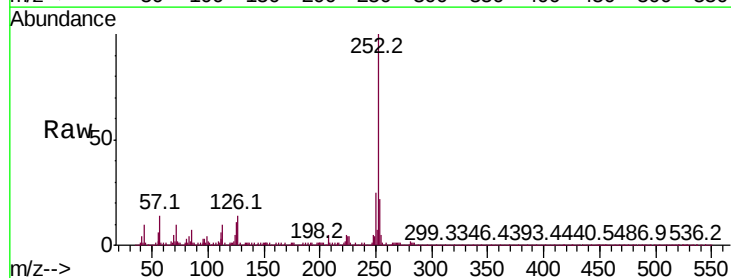
Manual Integrations
APPROVED

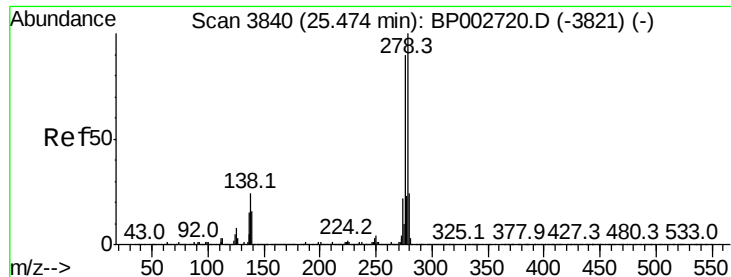
Sohil
7/24/2020 12:13:13 PM



#90
Benzo(a)pyrene
Concen: 23.876 ng
RT: 23.17 min Scan# 3448
Delta R.T. -0.01 min
Lab File: BP002842.D
Acq: 23 Jul 2020 16:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.6	26.4
125	10.8	8.6	13.0





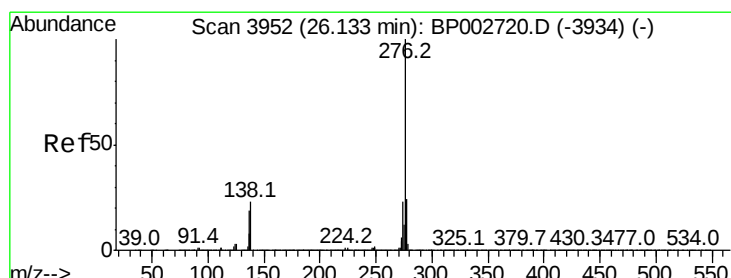
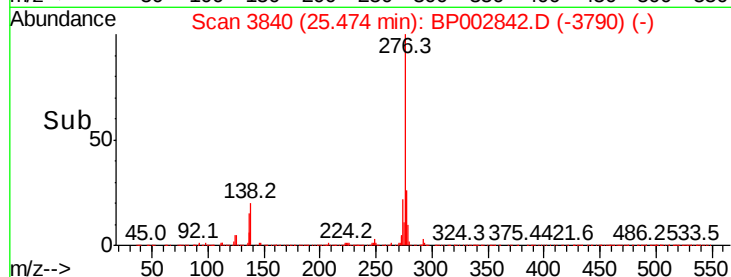
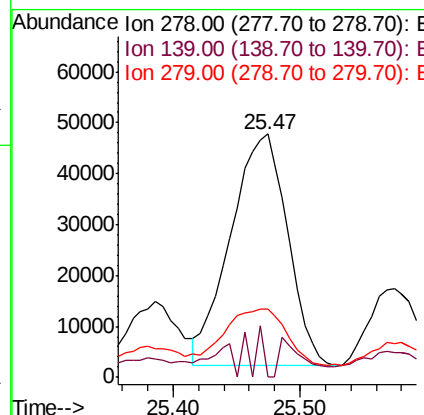
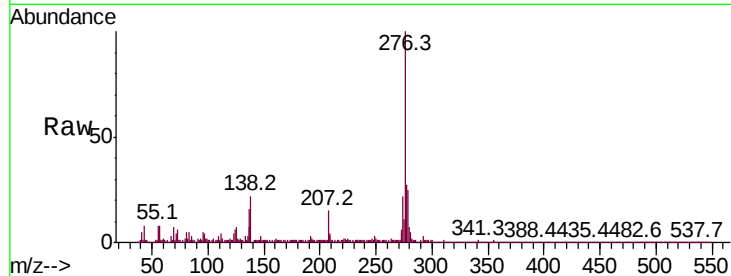
#91
Dibenzo(a,h)anthracene
Concen: 4.095 ng
RT: 25.47 min Scan# 3840
Delta R.T. -0.01 min
Lab File: BP002842.D
Acq: 23 Jul 2020 16:11

Instrument :
BNA_P
ClientSampleId :
SP-1ARX

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.1	19.7#
279	27.9	19.0	28.6

Manual Integrations
APPROVED

Sohil
7/24/2020 12:13:13 PM



#92
Benzo(g,h,i)perylene
Concen: 14.361 ng
RT: 26.14 min Scan# 3954
Delta R.T. 0.00 min
Lab File: BP002842.D
Acq: 23 Jul 2020 16:11

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.6	19.1	28.7
138	24.1	18.3	27.5

