

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090919\
 Data File : BP000150.D
 Acq On : 09 Sep 2019 22:29
 Operator : HP/JU
 Sample : K4634-03MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 F2D21MSD

Manual Integrations
 APPROVED

mohammad
 9/10/2019 2:52:52 PM

Quant Time: Sep 10 05:18:40 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Sep 10 02:43:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	492865	20.00	ng/ul	0.00
18) Naphthalene-d8	8.17	136	1901172	20.00	ng/ul	0.00
36) Acenaphthene-d10	9.95	164	1007216	20.00	ng/ul	0.00
62) Phenanthrene-d10	11.45	188	1720149	20.00	ng/ul	0.00
78) Chrysene-d12	14.14	240	1231580	20.00	ng/ul	0.00
86) Perylene-d12	15.68	264	1277029	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.62	96	48527	3.49	ng/uL	0.01
5) Phenol-d5	6.51	99	838088	19.96	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.58	67	467543	21.30	ng/ul	0.00
9) 2-Chlorophenol-d4	6.66	132	724346	21.34	ng/ul	0.00
13) 4-Methylphenol-d8	7.26	113	576522	18.28	ng/ul	0.00
19) Nitrobenzene-d5	7.45	128	336751	23.33	ng/ul	0.00
22) 2-Nitrophenol-d4	7.77	143	362069	25.76	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	8.02	165	622665	20.87	ng/ul	0.00
29) 4-Chloroaniline-d4	8.23	131	564477	15.30	ng/ul	0.00
44) Dimethylphthalate-d6	9.63	166	1672704	22.49	ng/ul	0.00
47) Acenaphthylene-d8	9.79	160	2029135	22.08	ng/ul	0.00
52) 4-Nitrophenol-d4	10.03	143	217058	16.33	ng/ul	0.00
58) Fluorene-d10	10.47	176	1375101	21.77	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	10.52	200	151940	19.22	ng/ul	0.00
71) Anthracene-d10	11.50	188	1757064	21.09	ng/ul	0.00
79) Pyrene-d10	12.89	212	1895430	25.88	ng/ul	0.00
90) Benzo(a)pyrene-d12	15.58	264	1589295	24.01	ng/ul	0.00

Target Compounds

					Ovalue
6) Phenol	6.52	94	954083	21.807	ng/ul 99
10) 2-Chlorophenol	6.68	128	673710	18.798	ng/ul 97
15) N-Nitroso-di-n-propylamine	7.29	70	455010	20.473	ng/ul 99
33) 4-Chloro-3-methylphenol	8.72	107	575727	18.971	ng/ul 96
45) Dimethylphthalate	9.65	163	328615	4.379	ng/ul 99
50) Acenaphthene	9.97	153	1354245	20.354	ng/ul 99
53) 4-Nitrophenol	10.04	109	176858	17.881	ng/ul 94
55) 2,4-Dinitrotoluene	10.12	165	397107	20.316	ng/ul# 97
69) Pentachlorophenol	11.25	266	206280	17.322	ng/ul 100
70) Phenanthrene	11.47	178	1005434	9.884	ng/ul 99
72) Anthracene	11.52	178	161907	1.617	ng/ul 99
75) Carbazole	11.67	167	156233	1.826	ng/ul 99
77) Fluoranthene	12.68	202	3039295	29.622	ng/ul 97
80) Pyrene	12.92	202	4258778	45.834	ng/ul 99
83) Benzo(a)anthracene	14.13	228	1344244	15.078	ng/ul 97
84) Bis(2-ethylhexyl)phthalate	14.15	149	91138	1.800	ng/ul 98
85) Chrysene	14.16	228	1582020	19.338	ng/ul 98
88) Benzo(b)fluoranthene	15.23	252	2288092	27.034	ng/ul 99
89) Benzo(k)fluoranthene	15.25	252	483677m	6.062	ng/ul
91) Benzo(a)pyrene	15.62	252	1244252	15.668	ng/ul 99
92) Indeno(1,2,3-cd)pyrene	17.24	276	1020217	11.167	ng/ul 99
93) Dibenzo(a,h)anthracene	17.25	278	262930	3.475	ng/ul 95
94) Benzo(g,h,i)perylene	17.71	276	1010272	13.263	ng/ul 99

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090919\
Data File : BP000150.D
Acq On : 09 Sep 2019 22:29
Operator : HP/JU
Sample : K4634-03MSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
F2D21MSD

Manual Integrations
APPROVED

mohammad
9/10/2019 2:52:52 PM

Quant Time: Sep 10 05:18:40 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 10 02:43:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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

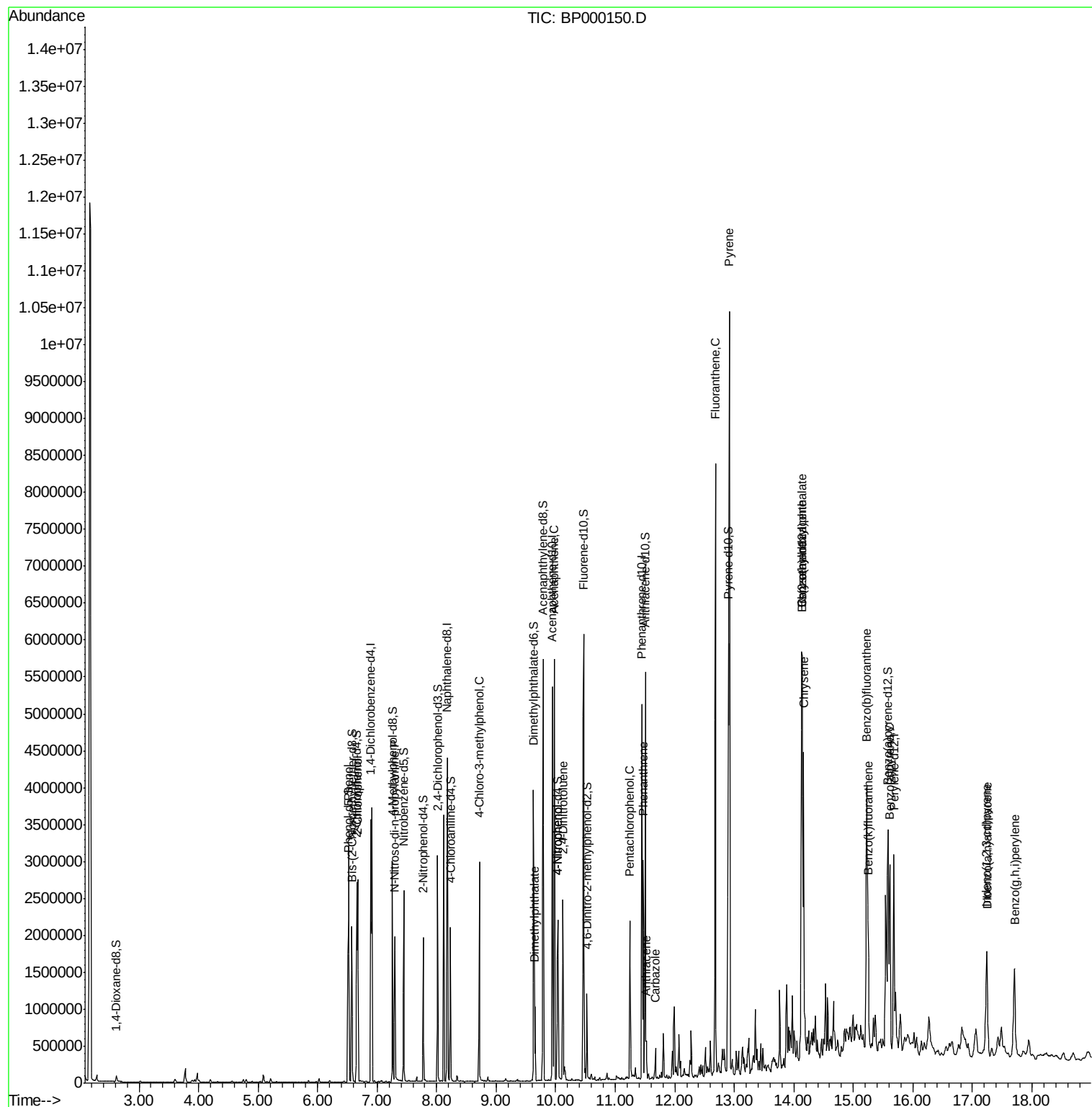
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090919\
Data File : BP000150.D
Acq On : 09 Sep 2019 22:29
Operator : HP/JU
Sample : K4634-03MSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

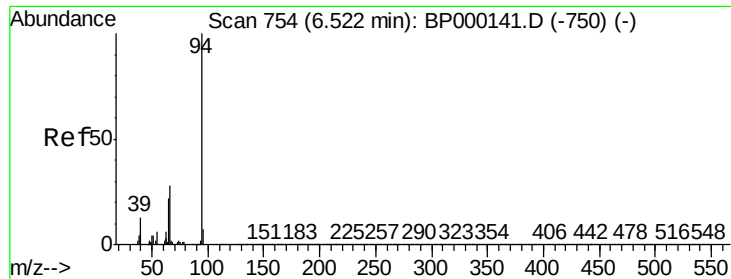
Instrument :
BNA_P
ClientSampleId :
F2D21MSD

Manual Integrations
APPROVED

mohammad
9/10/2019 2:52:52 PM

Quant Time: Sep 10 05:18:40 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 10 02:43:18 2019
Response via : Initial Calibration





#6

Phenol

Concen: 21.807 ng/ul

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BP000150.D

Acq: 09 Sep 2019 22:29

Instrument :

BNA_P

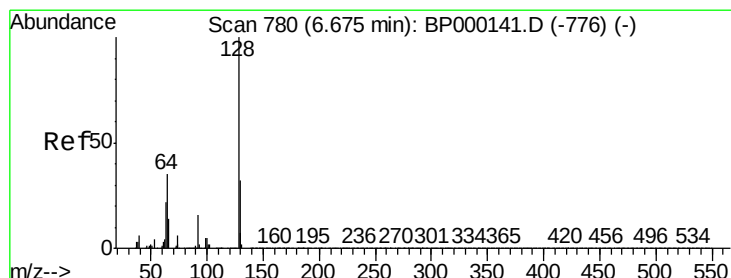
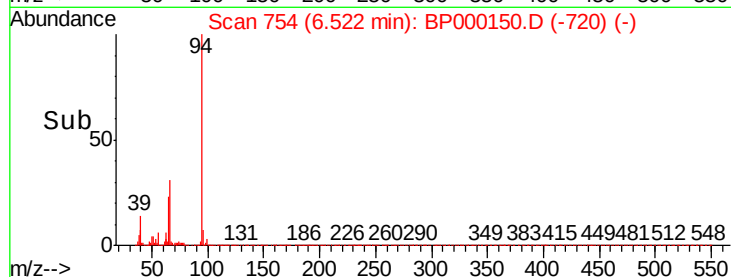
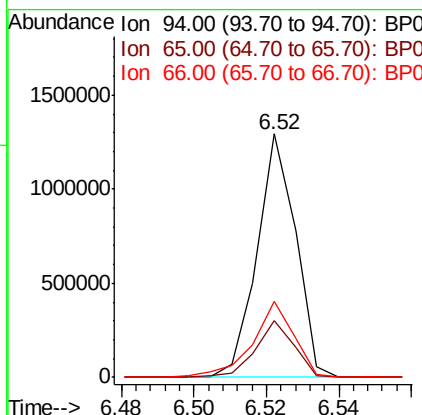
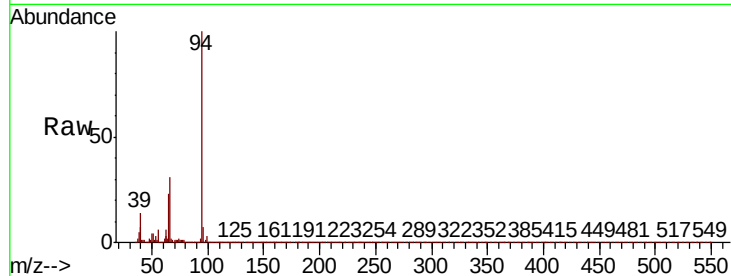
ClientSampleId :

F2D21MSD

Tot Ion:	94	Resp:	954083
Ion Ratio	Lower	Upper	
94	100		
65	23.3	18.8	28.2
66	31.1	24.2	36.2

Manual Integrations
APPROVED

mohammad
9/10/2019 2:52:52 PM



#10

2-Chlorophenol

Concen: 18.798 ng/ul

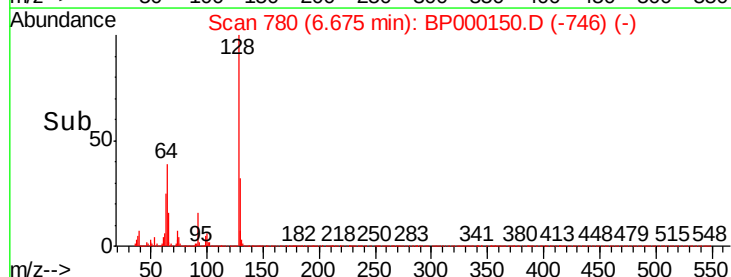
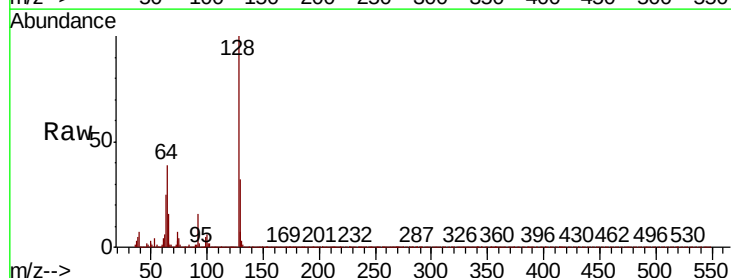
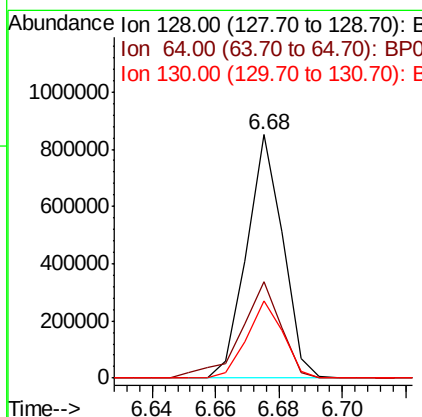
RT: 6.68 min Scan# 780

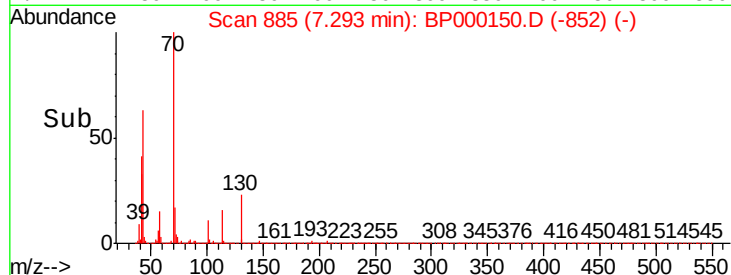
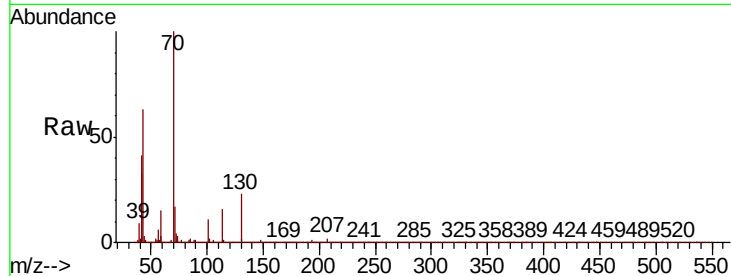
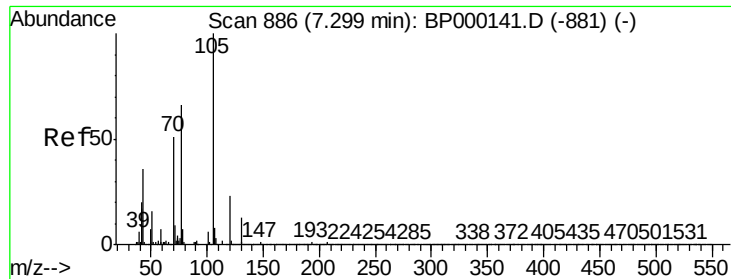
Delta R.T. 0.00 min

Lab File: BP000150.D

Acq: 09 Sep 2019 22:29

Tgt Ion:	128	Resp:	673710
Ion Ratio	Lower	Upper	
128	100		
64	39.4	29.6	44.4
130	31.7	26.2	39.4





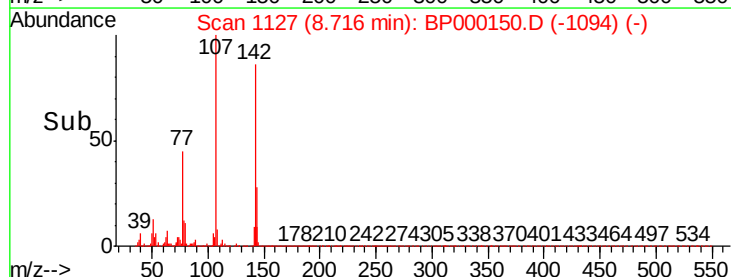
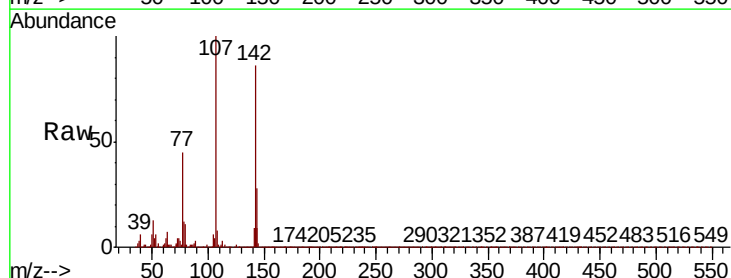
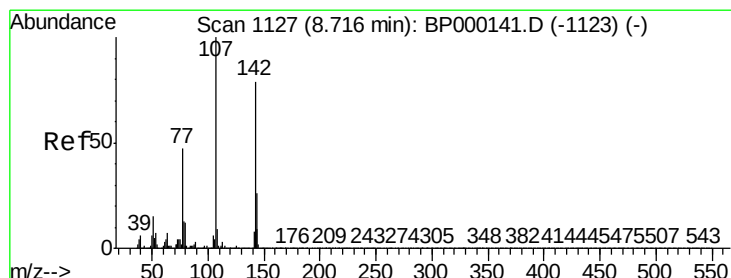
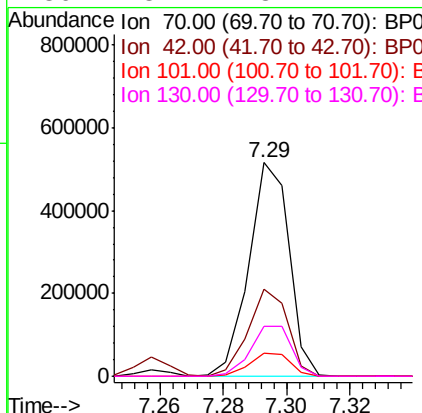
#15
N-Nitroso-di-n-propylamine
Concen: 20.473 ng/ul
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BP000150.D
Acq: 09 Sep 2019 22:29

Instrument :
BNA_P
ClientSampleId :
F2D21MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	41.0	33.7	50.5
101	10.6	8.4	12.6
130	23.2	18.1	27.1

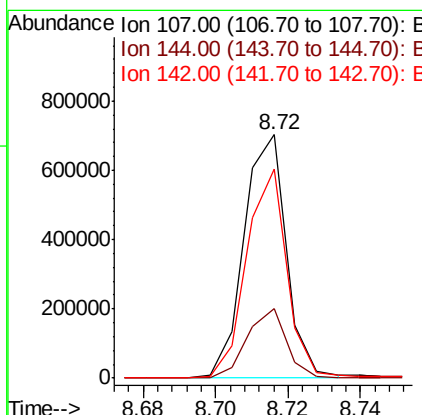
Manual Integrations
APPROVED

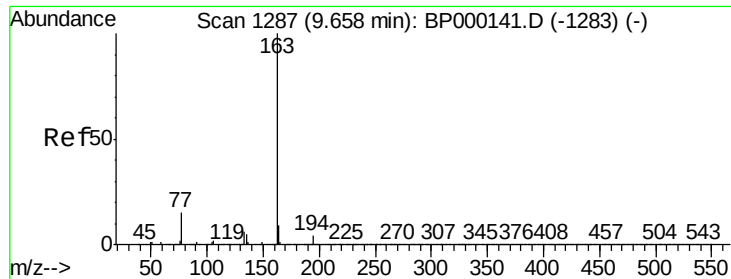
mohammad
9/10/2019 2:52:52 PM



#33
4-Chloro-3-methylphenol
Concen: 18.971 ng/ul
RT: 8.72 min Scan# 1127
Delta R.T. -0.01 min
Lab File: BP000150.D
Acq: 09 Sep 2019 22:29

Tgt Ion	Ratio	Lower	Upper
107	100		
144	28.3	21.5	32.3
142	85.9	65.8	98.8





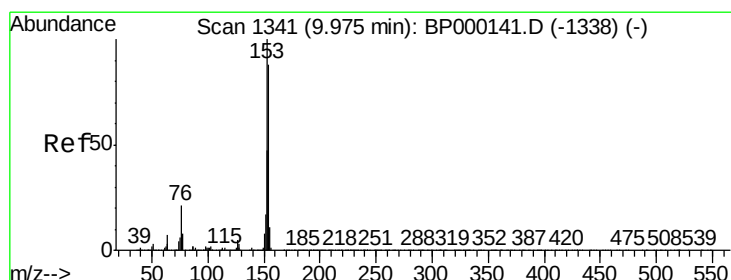
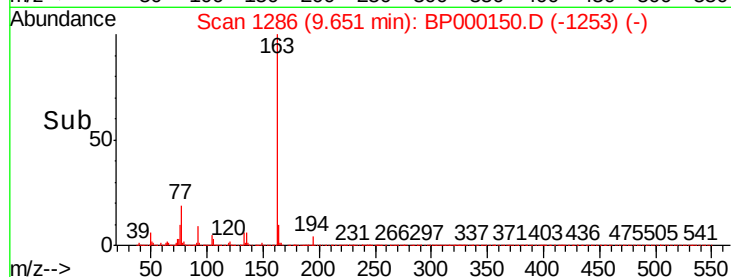
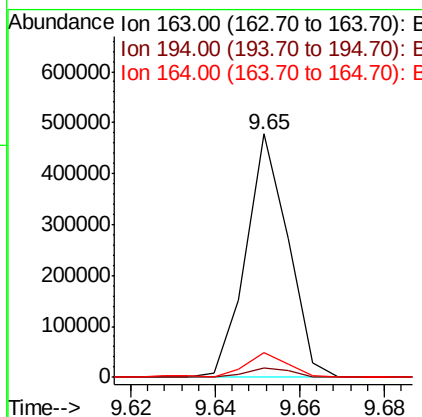
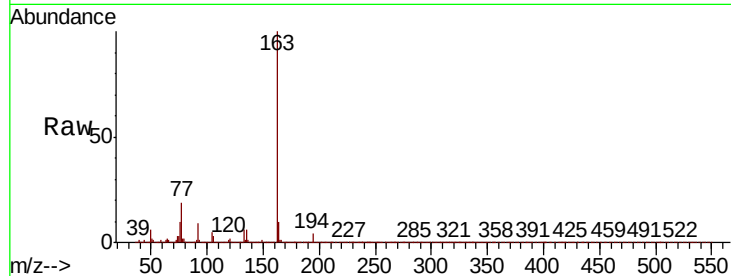
#45
Dimethylphthalate
Concen: 4.379 ng/ul
RT: 9.65 min Scan# 1286
Delta R.T. -0.01 min
Lab File: BP000150.D
Acq: 09 Sep 2019 22:29

Instrument :
BNA_P
ClientSampleId :
F2D21MSD

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.2	4.8
164	10.3	8.4	12.6

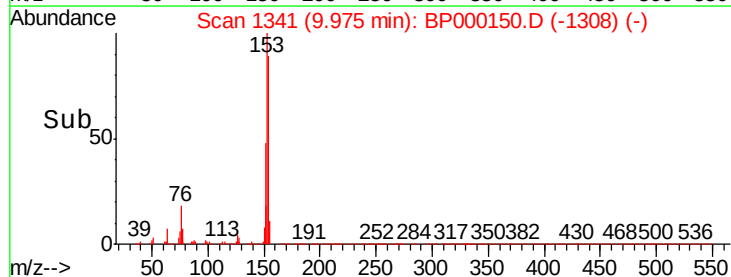
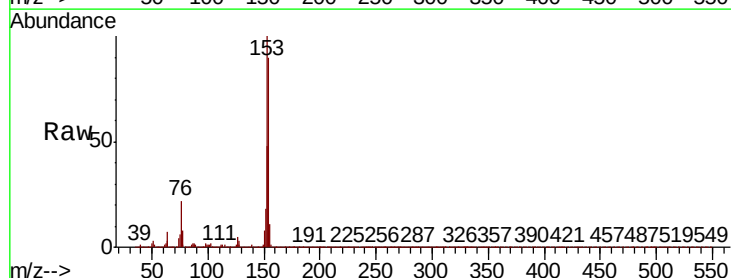
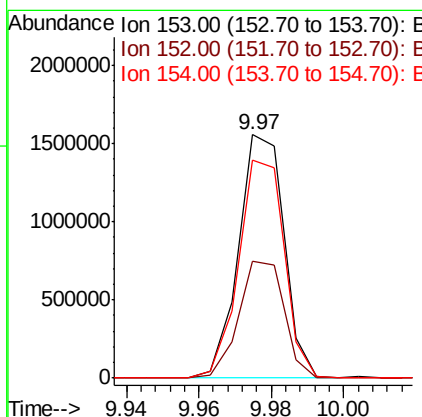
Manual Integrations
APPROVED

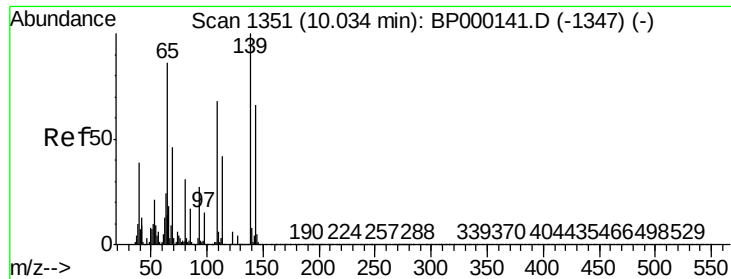
mohammad
9/10/2019 2:52:52 PM



#50
Acenaphthene
Concen: 20.354 ng/ul
RT: 9.97 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BP000150.D
Acq: 09 Sep 2019 22:29

Tgt Ion	Ratio	Lower	Upper
153	100		
152	48.1	38.0	57.0
154	89.7	72.6	108.8





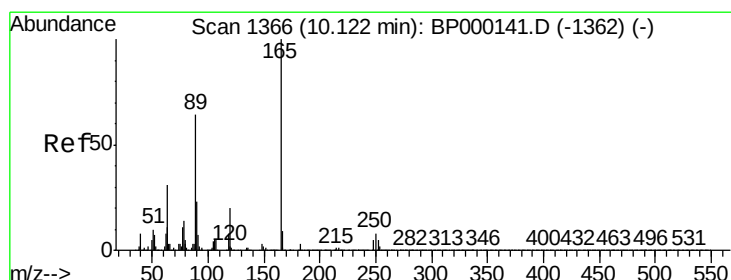
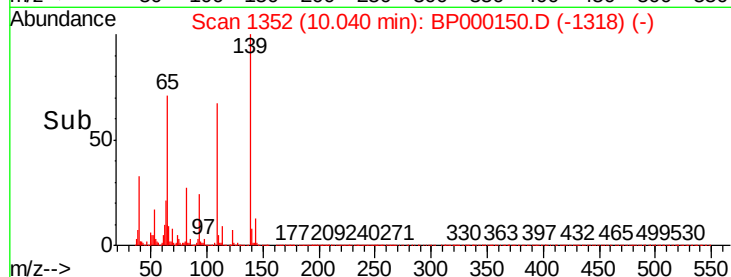
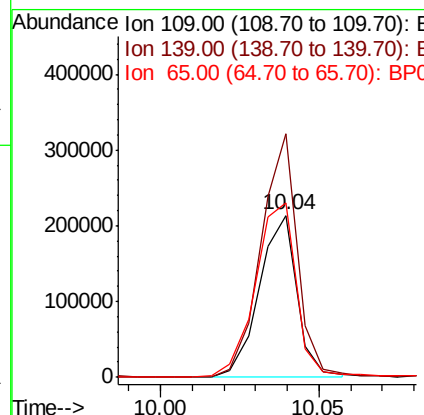
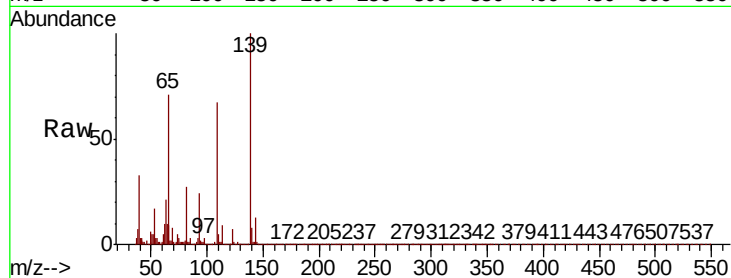
#53
4-Nitrophenol
Concen: 17.881 ng/ul
RT: 10.04 min Scan# 1352
Delta R.T. 0.00 min
Lab File: BP000150.D
Acq: 09 Sep 2019 22:29

Instrument :
BNA_P
ClientSampleId :
F2D21MSD

Tot Ion	Ratio	Resp	Lower	Upper
109	100	176858		
139	150.1	118.6	177.8	
65	107.2	95.4	143.2	

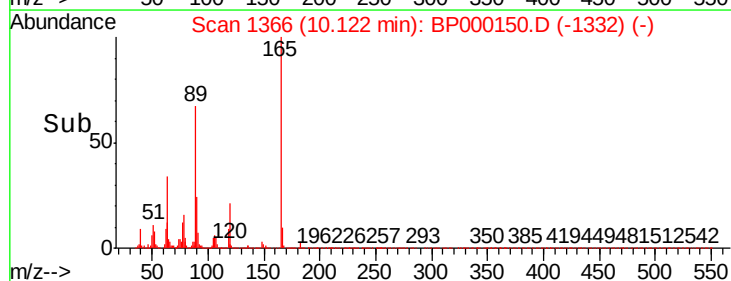
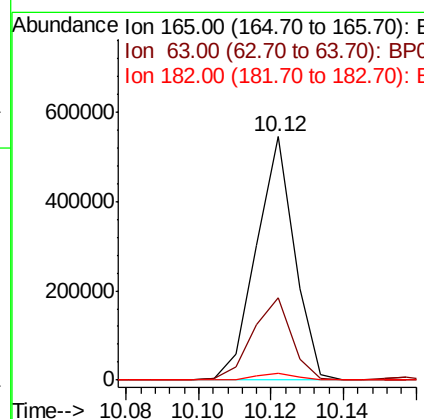
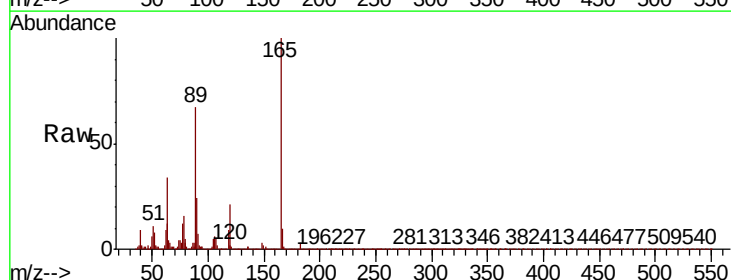
Manual Integrations
APPROVED

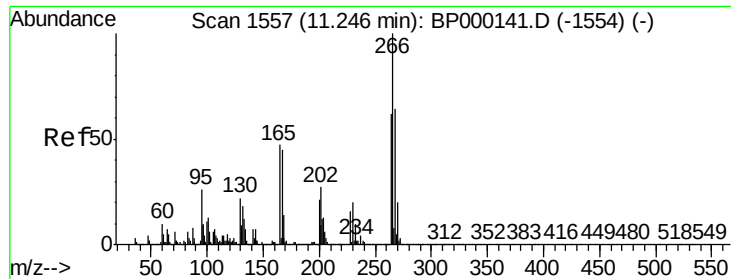
mohammad
9/10/2019 2:52:52 PM



#55
2,4-Dinitrotoluene
Concen: 20.316 ng/ul
RT: 10.12 min Scan# 1366
Delta R.T. 0.00 min
Lab File: BP000150.D
Acq: 09 Sep 2019 22:29

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	397107		
63	33.7	25.4	38.0	
182	3.0	3.1	4.7#	





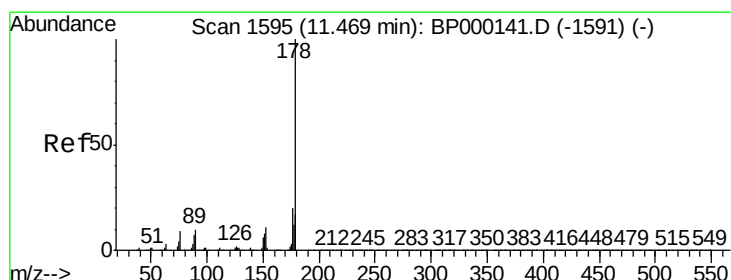
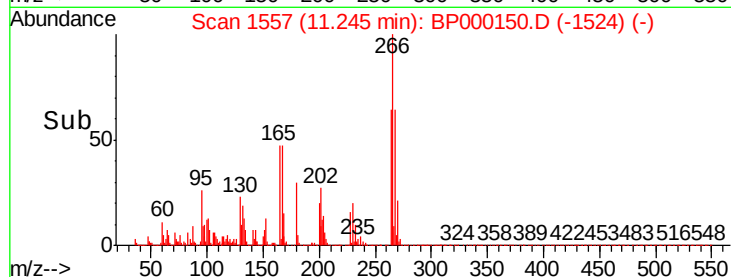
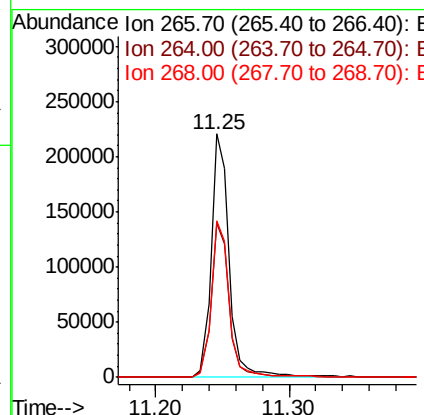
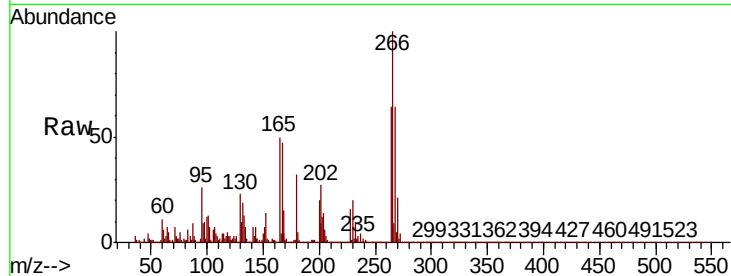
#69
 Pentachlorophenol
 Concen: 17.322 ng/ul
 RT: 11.25 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BP000150.D
 Acq: 09 Sep 2019 22:29

Instrument :
 BNA_P
 ClientSampleId :
 F2D21MSD

Tot Ion:	266	Resp:	206280
Ion Ratio		Lower	Upper
266	100		
264	63.5	50.6	75.8
268	64.3	51.2	76.8

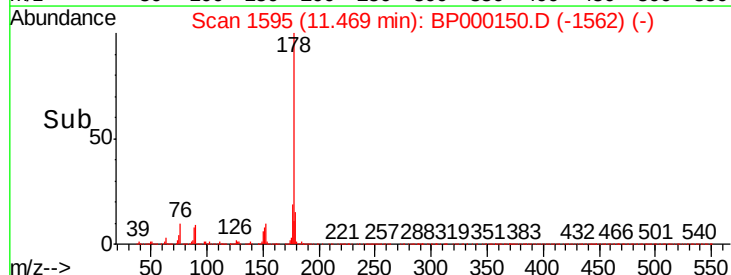
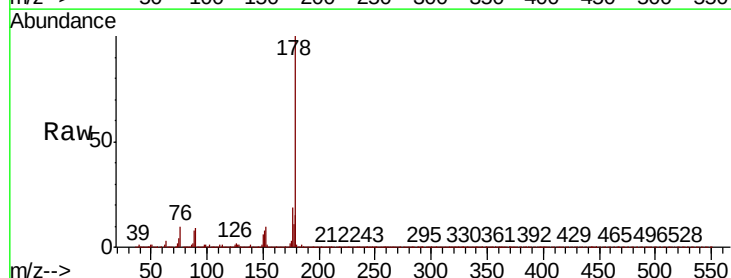
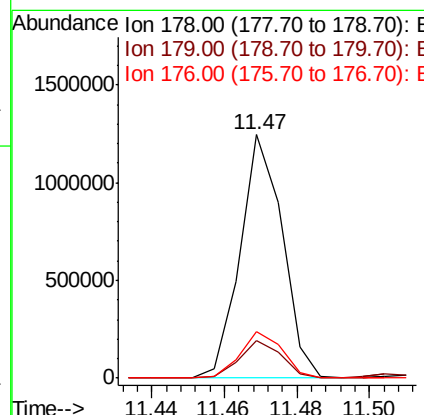
Manual Integrations
 APPROVED

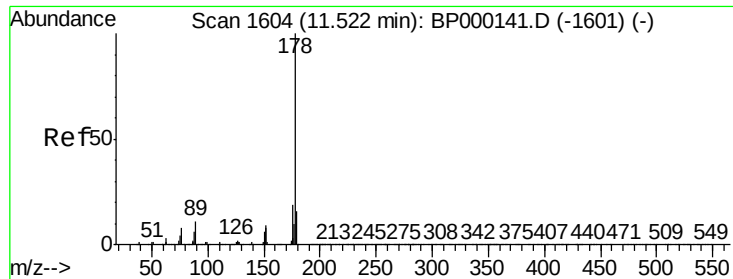
mohammad
 9/10/2019 2:52:52 PM



#70
 Phenanthrene
 Concen: 9.884 ng/ul
 RT: 11.47 min Scan# 1595
 Delta R.T. -0.01 min
 Lab File: BP000150.D
 Acq: 09 Sep 2019 22:29

Tgt Ion:	178	Resp:	1005434
Ion Ratio		Lower	Upper
178	100		
179	15.4	12.5	18.7
176	19.0	15.7	23.5





#72

Anthracene

Concen: 1.617 ng/ul

RT: 11.52 min Scan# 1604

Delta R.T. -0.01 min

Lab File: BP000150.D

Acq: 09 Sep 2019 22:29

Instrument :

BNA_P

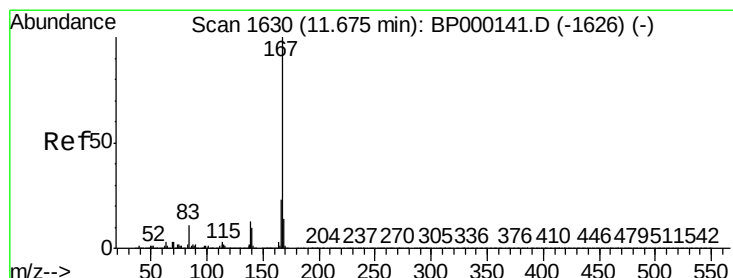
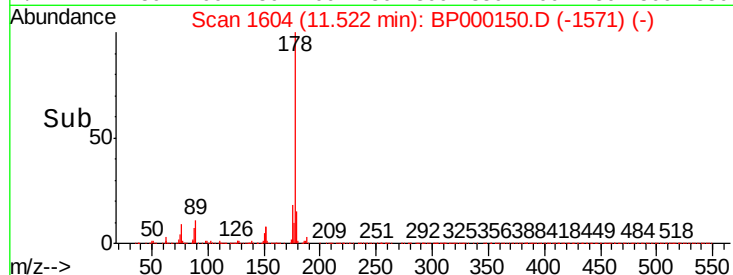
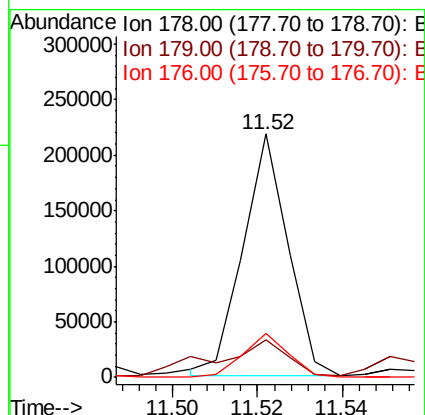
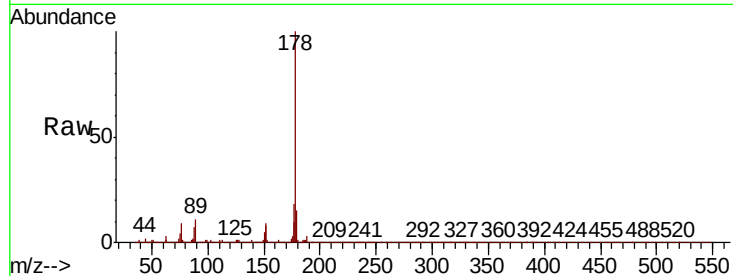
ClientSampleId :

F2D21MSD

Tot Ion:	178	Resp:	161907
Ion Ratio	Lower	Upper	
178	100		
179	15.3	12.3	18.5
176	18.2	15.1	22.7

Manual Integrations
APPROVED

mohammad
9/10/2019 2:52:52 PM



#75

Carbazole

Concen: 1.826 ng/ul

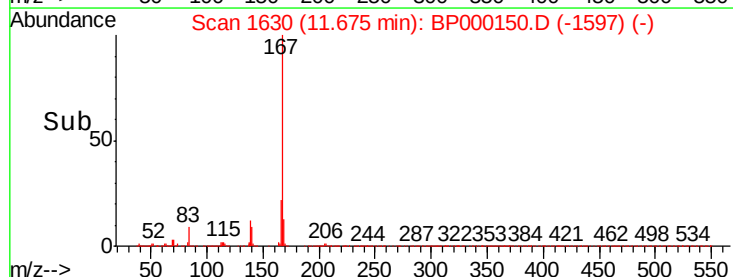
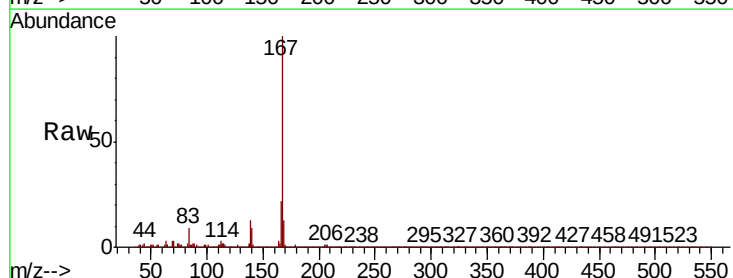
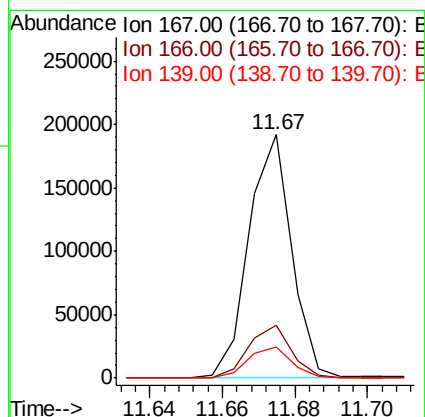
RT: 11.67 min Scan# 1630

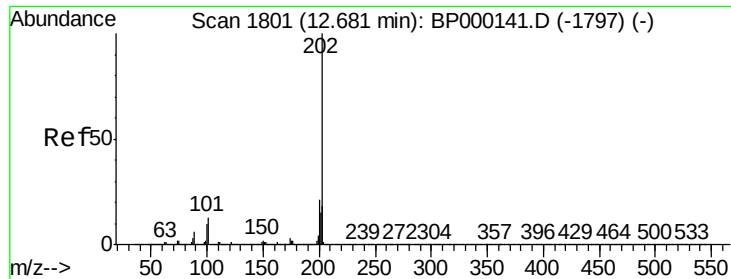
Delta R.T. -0.01 min

Lab File: BP000150.D

Acq: 09 Sep 2019 22:29

Tgt Ion:	167	Resp:	156233
Ion Ratio	Lower	Upper	
167	100		
166	21.7	17.3	25.9
139	12.7	10.6	15.8





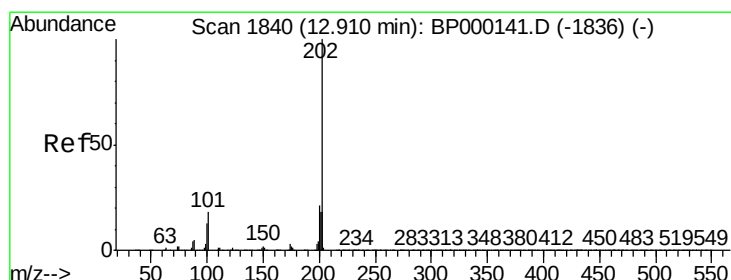
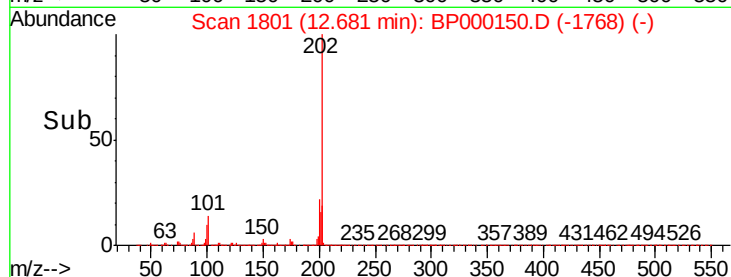
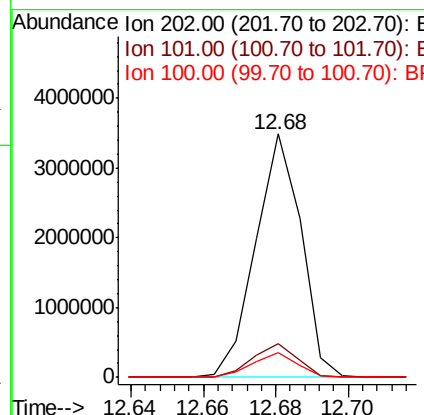
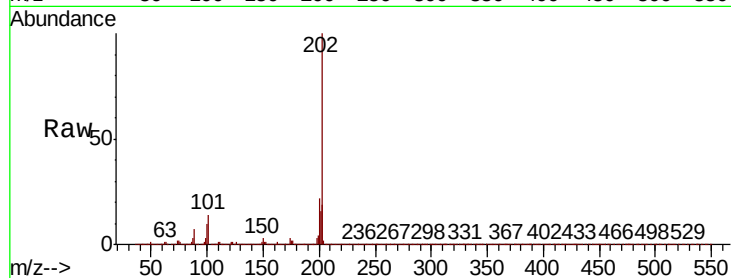
#77
Fluoranthene
Concen: 29.622 ng/ul
RT: 12.68 min Scan# 1801
Delta R.T. -0.01 min
Lab File: BP000150.D
Acq: 09 Sep 2019 22:29

Instrument :
BNA_P
ClientSampleId :
F2D21MSD

Tot Ion	Ratio	Lower	Upper
202	100		
101	13.8	10.0	15.0
100	10.2	7.4	11.2

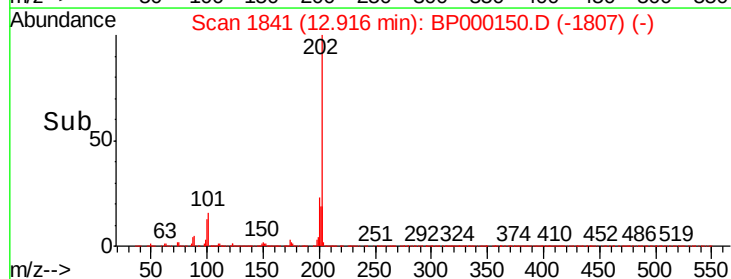
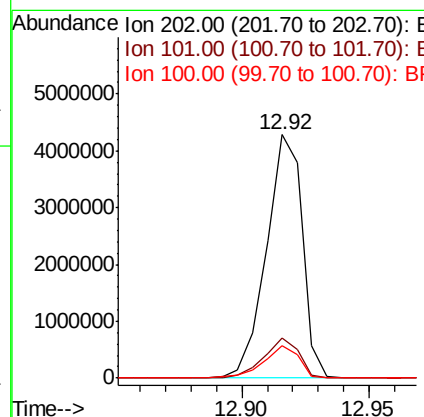
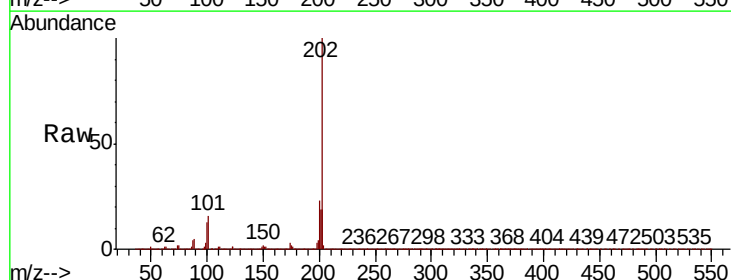
Manual Integrations
APPROVED

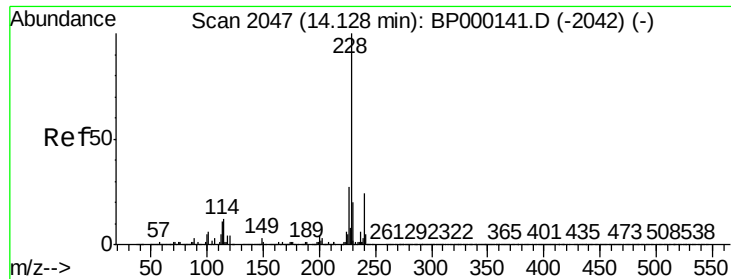
mohammad
9/10/2019 2:52:52 PM



#80
Pyrene
Concen: 45.834 ng/ul
RT: 12.92 min Scan# 1841
Delta R.T. 0.00 min
Lab File: BP000150.D
Acq: 09 Sep 2019 22:29

Tgt Ion	Ratio	Lower	Upper
202	100		
101	16.2	13.4	20.0
100	13.2	10.8	16.2





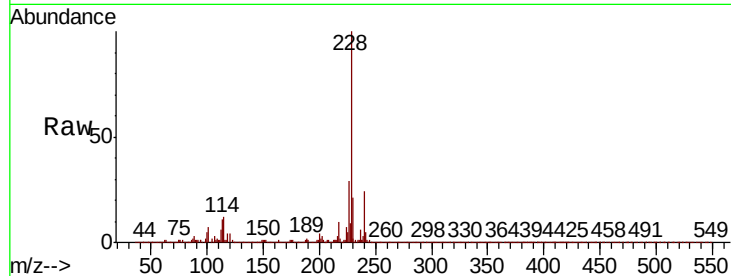
#83
Benzo(a)anthracene
Concen: 15.078 ng/ul
RT: 14.13 min Scan# 2047
Delta R.T. -0.01 min
Lab File: BP000150.D
Acq: 09 Sep 2019 22:29

Instrument :
BNA_P
ClientSampleId :
F2D21MSD

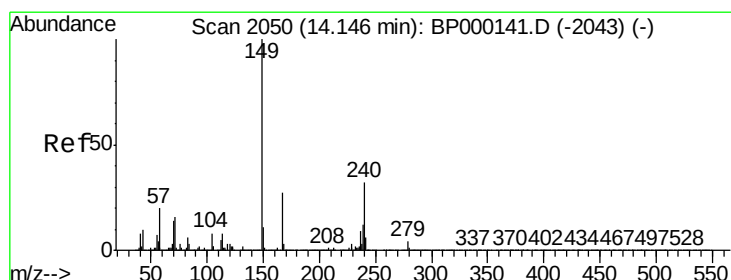
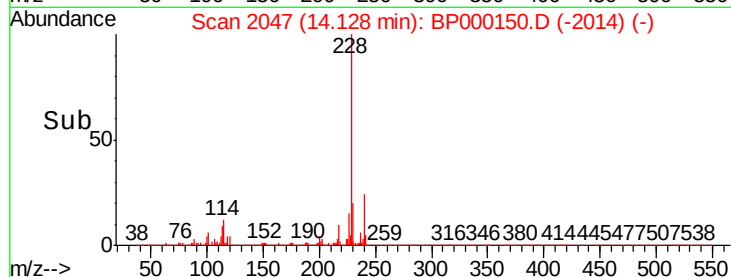
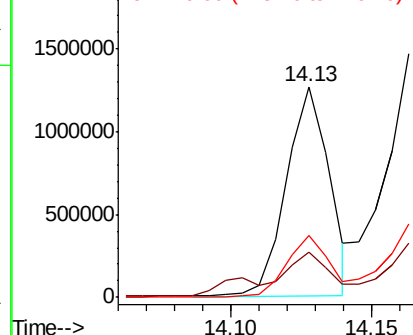
Tot Ion	Ratio	Lower	Upper
228	100		
229	21.3	15.9	23.9
226	29.4	22.1	33.1

Manual Integrations
APPROVED

mohammad
9/10/2019 2:52:52 PM



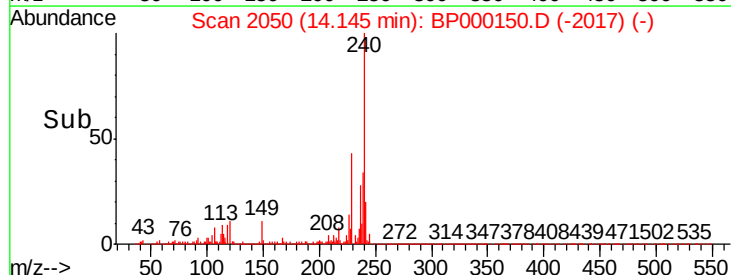
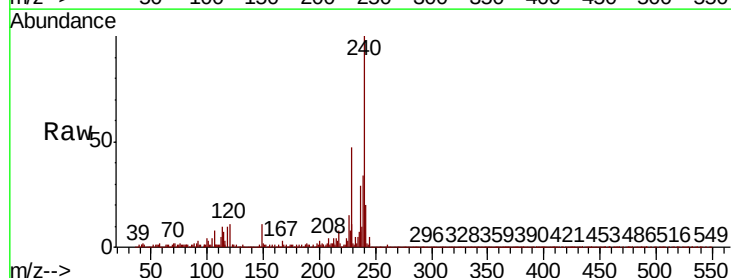
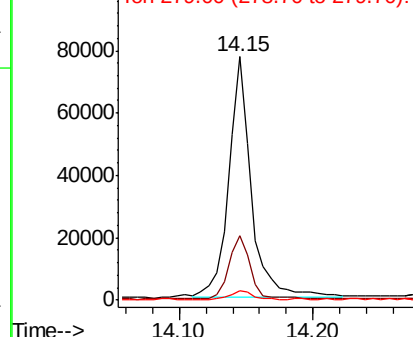
Abundance Ion 228.00 (227.70 to 228.70): E
2000000
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E

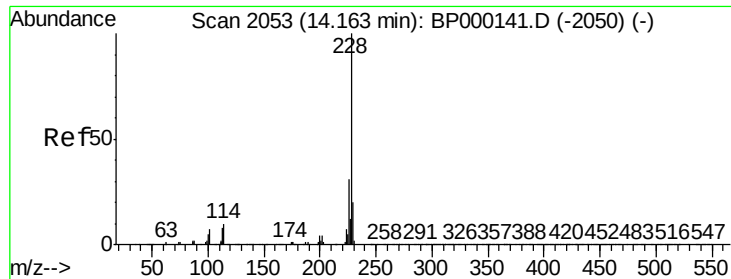


#84
Bis(2-ethylhexyl)phthalate
Concen: 1.800 ng/ul
RT: 14.15 min Scan# 2050
Delta R.T. -0.01 min
Lab File: BP000150.D
Acq: 09 Sep 2019 22:29

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.3	21.8	32.8
279	4.1	3.0	4.4

Abundance Ion 149.00 (148.70 to 149.70): E
100000
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





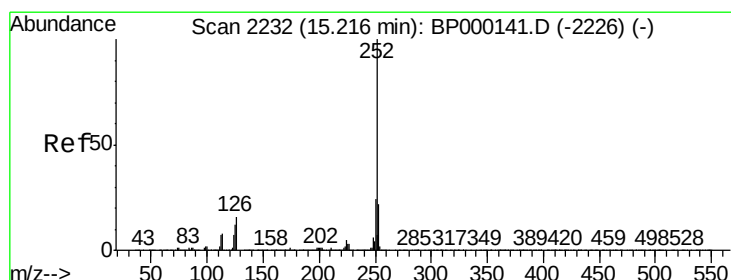
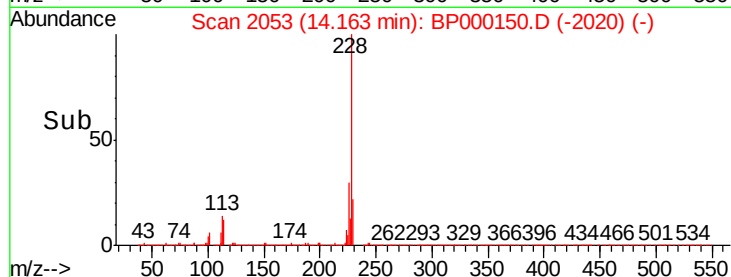
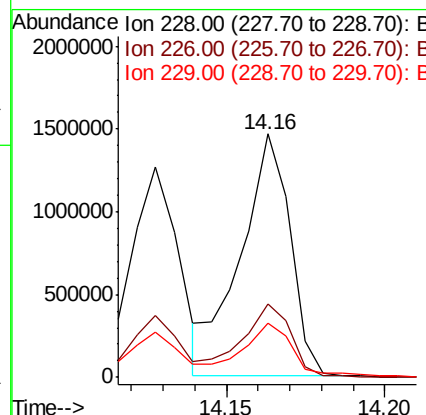
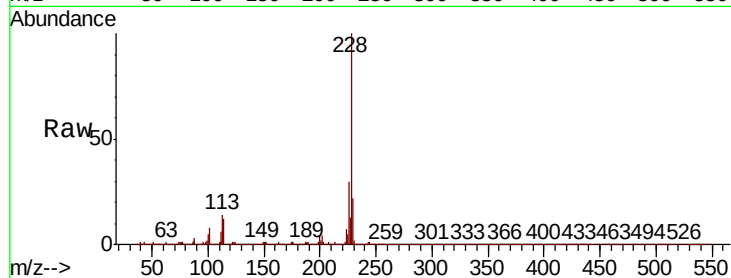
#85
Chrysene
Concen: 19.338 ng/ul
RT: 14.16 min Scan# 2053
Delta R.T. -0.01 min
Lab File: BP000150.D
Acq: 09 Sep 2019 22:29

Instrument :
BNA_P
ClientSampleId :
F2D21MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.4	36.6
229	22.4	16.0	24.0

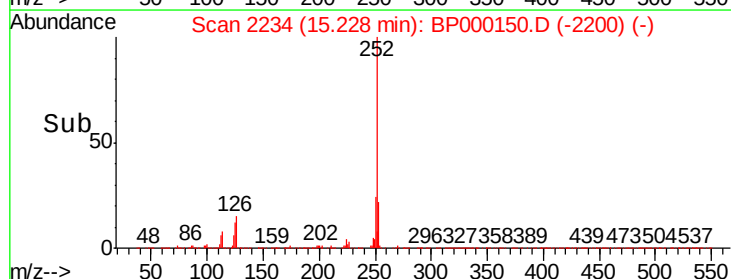
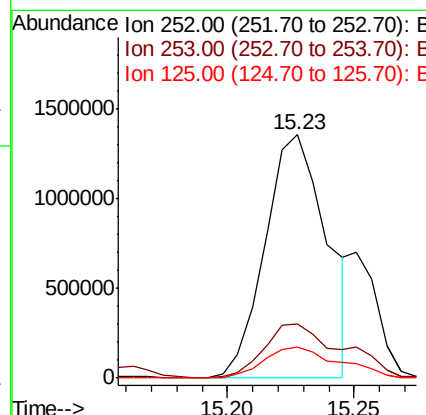
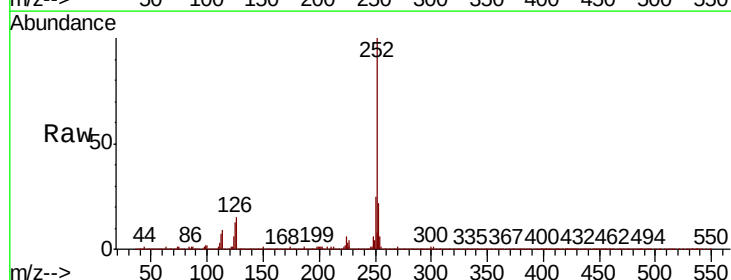
Manual Integrations
APPROVED

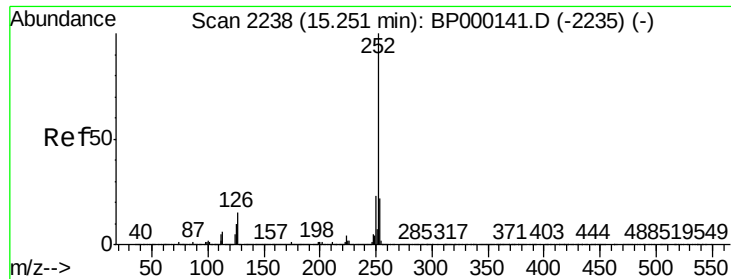
mohammad
9/10/2019 2:52:52 PM



#88
Benzo(b)fluoranthene
Concen: 27.034 ng/ul
RT: 15.23 min Scan# 2234
Delta R.T. 0.00 min
Lab File: BP000150.D
Acq: 09 Sep 2019 22:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	12.6	9.9	14.9





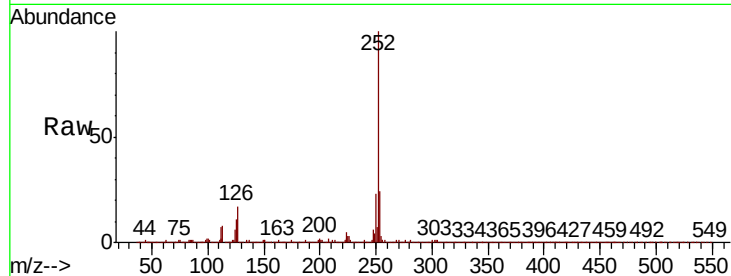
#89
Benzo(k)fluoranthene
Concen: 6.062 ng/ul m
RT: 15.25 min Scan# 2238
Delta R.T. -0.01 min
Lab File: BP000150.D
Acq: 09 Sep 2019 22:29

Instrument :
BNA_P
ClientSampleId :
F2D21MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.0	27.0
125	11.5	10.2	15.2

Manual Integrations
APPROVED

mohammad
9/10/2019 2:52:52 PM

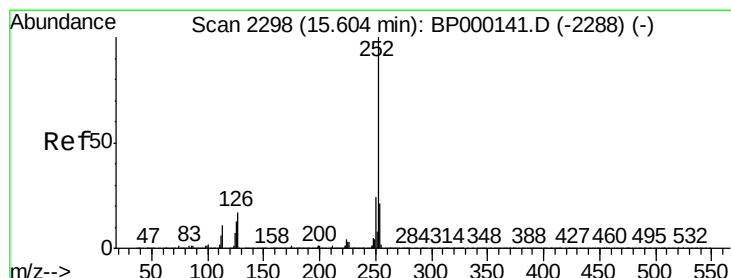
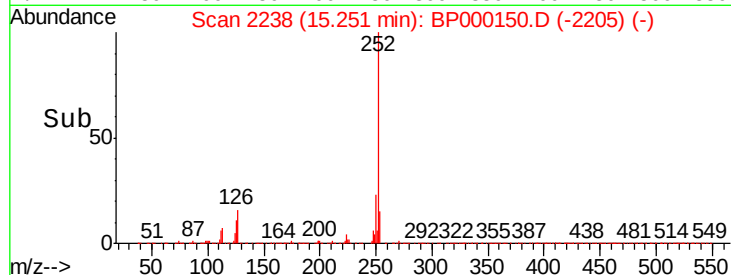
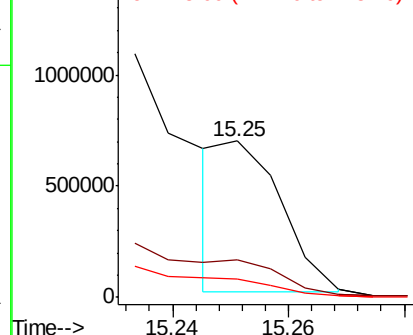


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91
Benzo(a)pyrene
Concen: 15.668 ng/ul
RT: 15.62 min Scan# 2300
Delta R.T. 0.00 min
Lab File: BP000150.D
Acq: 09 Sep 2019 22:29

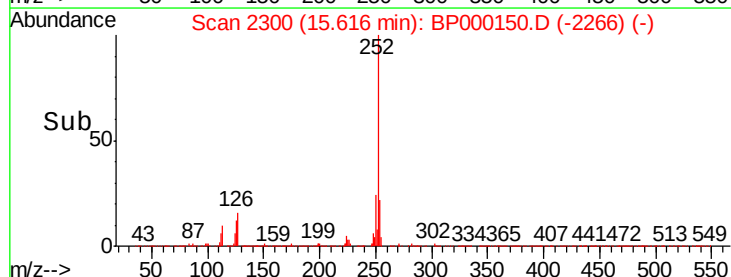
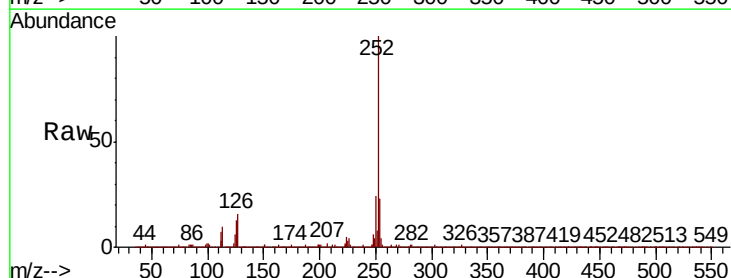
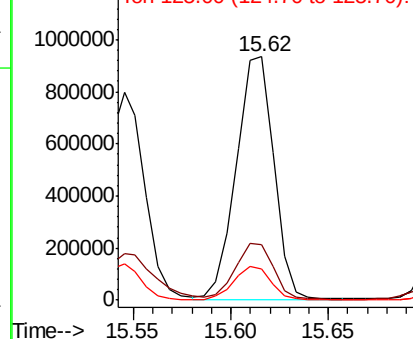
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.5	26.3
125	12.6	10.2	15.2

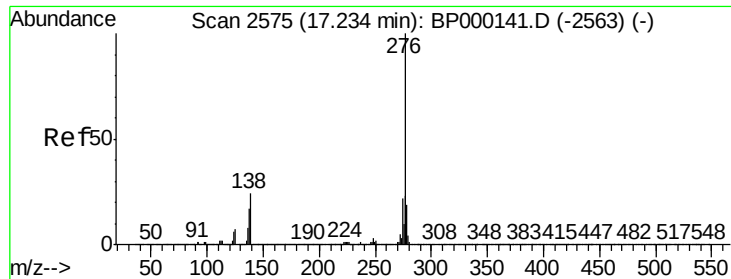
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





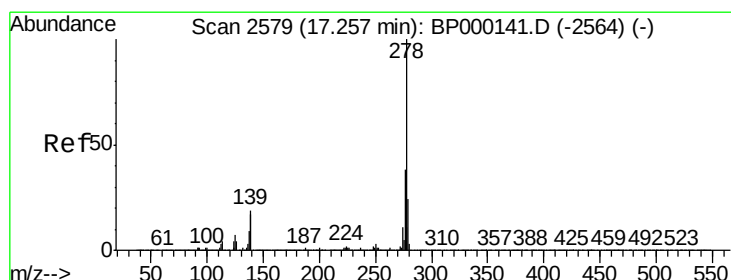
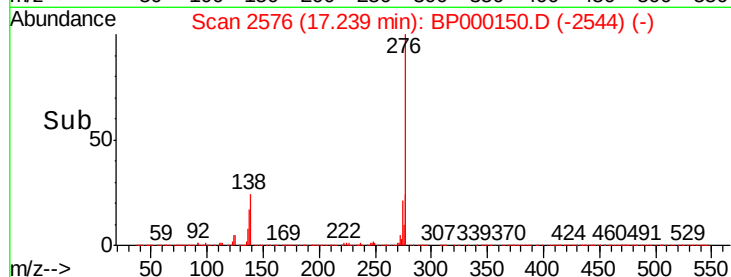
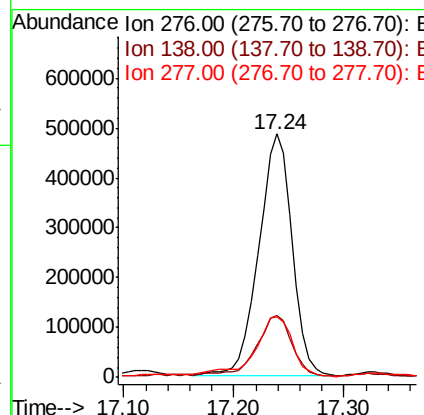
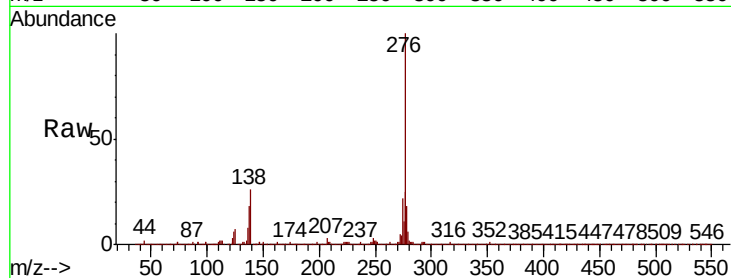
#92
Indeno(1,2,3-cd)pyrene
Concen: 11.167 ng/ul
RT: 17.24 min Scan# 2576
Delta R.T. -0.01 min
Lab File: BP000150.D
Acq: 09 Sep 2019 22:29

Instrument :
BNA_P
ClientSampleId :
F2D21MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.6	20.0	30.0
277	24.8	19.4	29.0

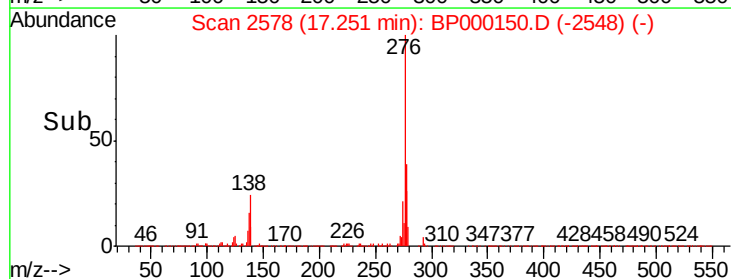
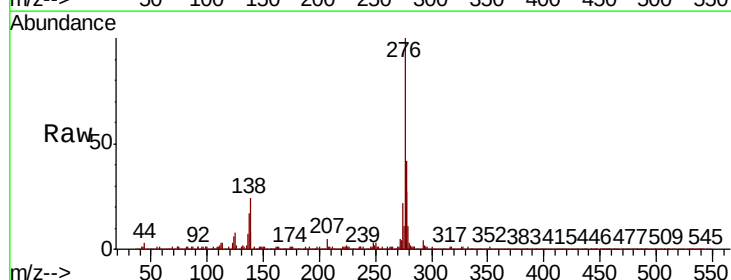
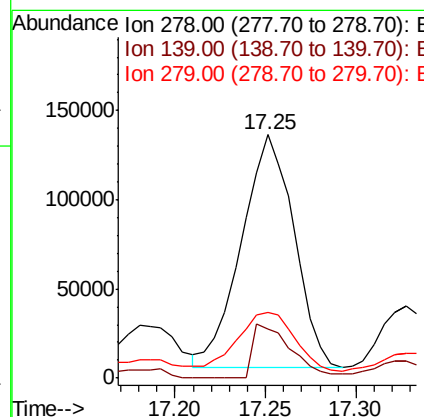
Manual Integrations
APPROVED

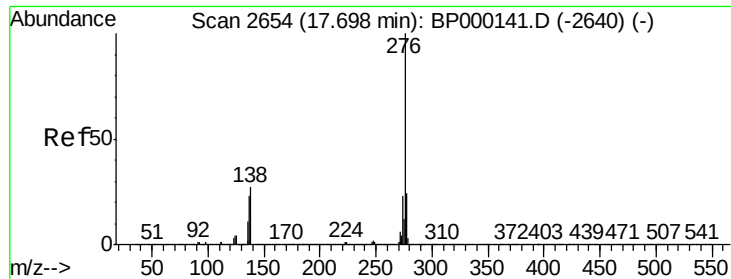
mohammad
9/10/2019 2:52:52 PM



#93
Dibenzo(a,h)anthracene
Concen: 3.475 ng/ul
RT: 17.25 min Scan# 2578
Delta R.T. -0.02 min
Lab File: BP000150.D
Acq: 09 Sep 2019 22:29

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.2	15.1	22.7
279	27.1	19.2	28.8





#94

Benzo(a,h,i)perylene

Concen: 13.263 ng/ul

RT: 17.71 min Scan# 2656

Delta R.T. -0.01 min

Lab File: BP000150.D

Acq: 09 Sep 2019 22:29

Instrument :

BNA_P

ClientSampleId :

F2D21MSD

Tot Ion:	276	Resp:	1010272
Ion Ratio	Lower	Upper	
276	100		
138	24.6	20.0	30.0
277	23.3	19.1	28.7

Manual Integrations
APPROVED

mohammad
9/10/2019 2:52:52 PM

