

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091619\
 Data File : BP000254.D
 Acq On : 16 Sep 2019 22:25
 Operator : HP/JU
 Sample : K4878-16
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampled :
 TPA-9

Manual Integrations
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Quant Time: Sep 17 07:05:16 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	332560	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	1188083	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	629823	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	1086199	20.00	ng	0.00
76) Chrysene-d12	14.00	240	684192	20.00	ng	0.00
87) Perylene-d12	15.50	264	905542	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.41	112	1943775	100.90	ng	0.00
7) Phenol-d6	6.42	99	2457755	104.08	ng	0.00
23) Nitrobenzene-d5	7.35	82	1352768	73.46	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	690118	110.47	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	2631277	75.19	ng	0.00
79) Terphenyl-d14	12.93	244	2580568	79.12	ng	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.43	94	111817	4.168	ng	95
31) Naphthalene	8.09	128	438531	7.970	ng	98
37) 2-Methylnaphthalene	8.78	142	101402	2.696	ng	99
38) 1-Methylnaphthalene	8.88	142	130157	3.694	ng	98
46) 1,1'-Biphenyl	9.25	154	90502	2.077	ng	99
49) Acenaphthylene	9.69	152	1613284	29.365	ng	100
50) Dimethylphthalate	9.54	163	220089	5.129	ng	99
52) Acenaphthene	9.86	154	346669	9.999	ng	98
55) Dibenzofuran	10.03	168	756592	15.437	ng	98
58) Fluorene	10.38	166	714102	18.864	ng	99
71) Phenanthrene	11.35	178	4217539	77.482	ng	97
72) Anthracene	11.40	178	2633538	47.004	ng	99
73) Carbazole	11.55	167	475989	9.434	ng	99
75) Fluoranthene	12.57	202	8243597	141.040	ng	93
78) Pyrene	12.80	202	7559327	147.675	ng	93
81) Benzo(a)anthracene	13.99	228	5166113m	119.534	ng	
83) Chrysene	14.03	228	4271028	100.650	ng	95
86) Indeno(1,2,3-cd)pyrene	17.00	276	3945903	76.287	ng	92
88) Benzo(b)fluoranthene	15.07	252	7392471m	136.843	ng	
89) Benzo(k)fluoranthene	15.10	252	2397426m	50.876	ng	
90) Benzo(a)pyrene	15.45	252	5476073	111.404	ng	95
91) Dibenzo(a,h)anthracene	17.01	278	984440m	21.481	ng	
92) Benzo(g,h,i)perylene	17.46	276	3754114	79.694	ng	97

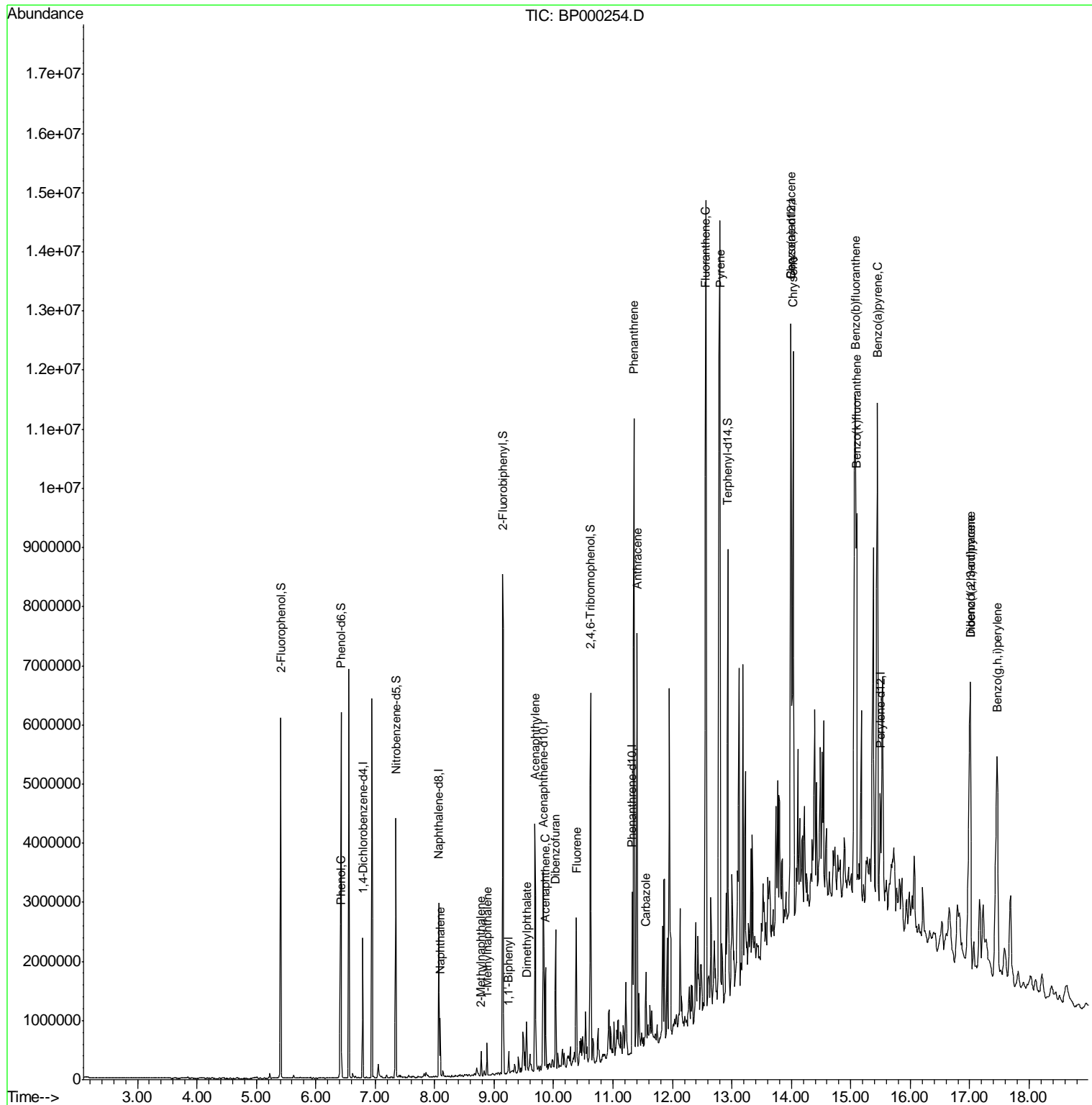
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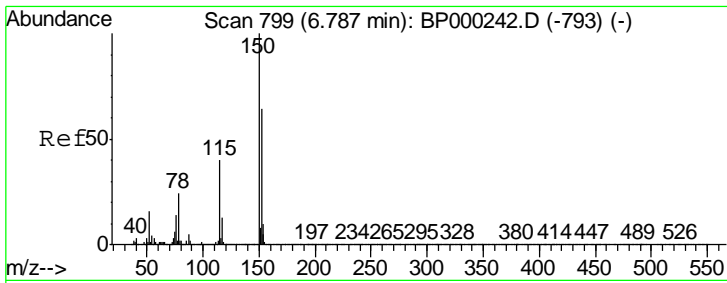
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091619\
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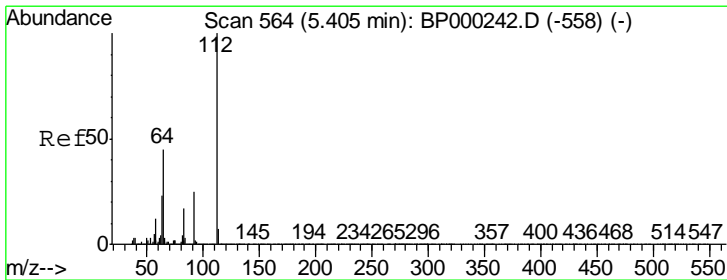
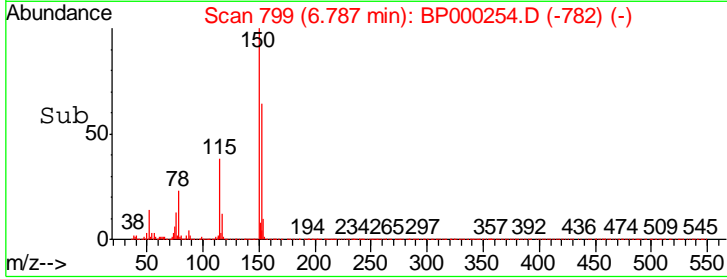
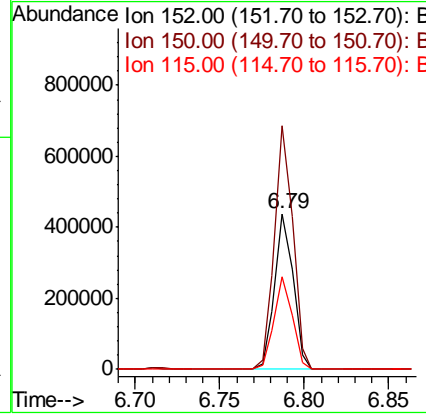
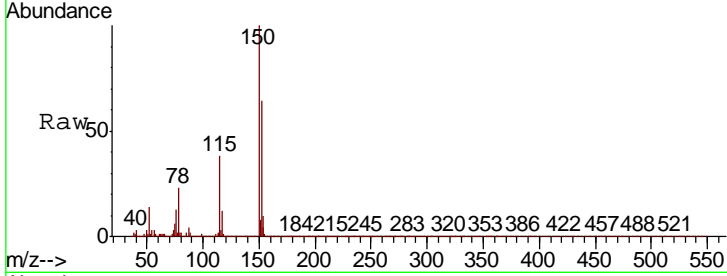
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 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: BP000254.D
 Acq: 16 Sep 2019 22:25

Instrument :
 BNA_P
ClientSampled :
 TPA-9

Tgt Ion	Resp	Lower	Upper
152	100		
150	156.2	125.2	187.8
115	59.4	49.7	74.5

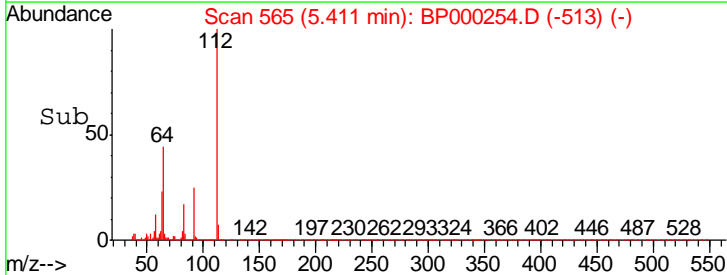
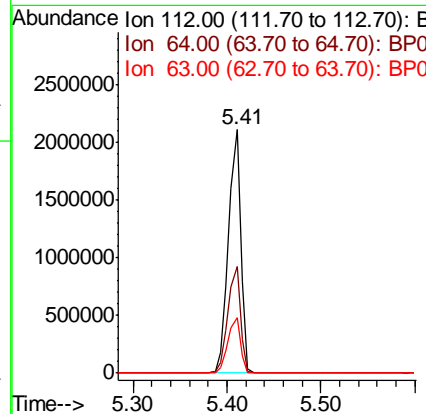
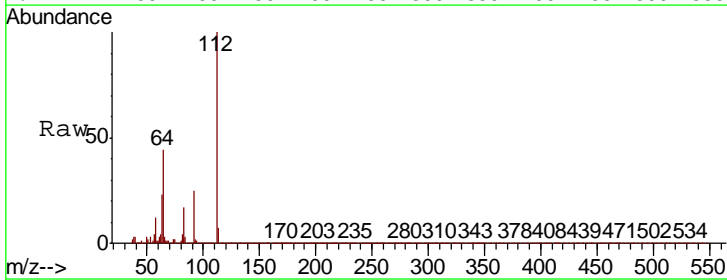
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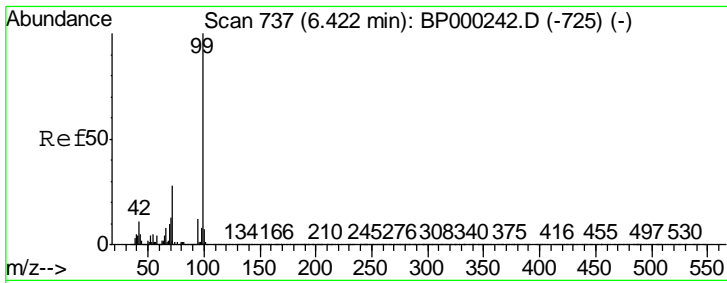
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#5
 2-Fluorophenol
 Concen: 100.903 ng
 RT: 5.41 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: BP000254.D
 Acq: 16 Sep 2019 22:25

Tgt Ion	Resp	Lower	Upper
112	100		
64	43.6	36.2	54.4
63	22.5	18.3	27.5





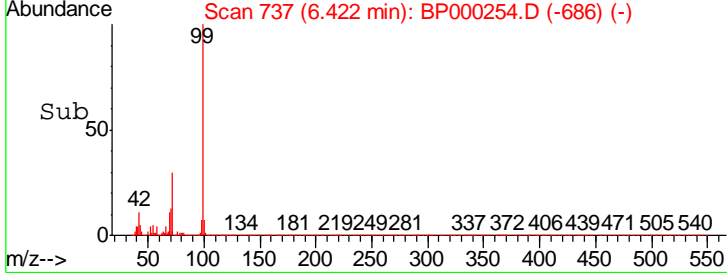
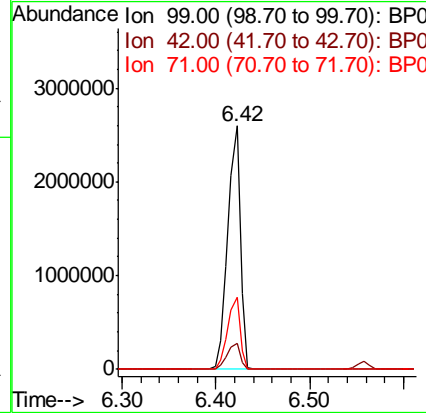
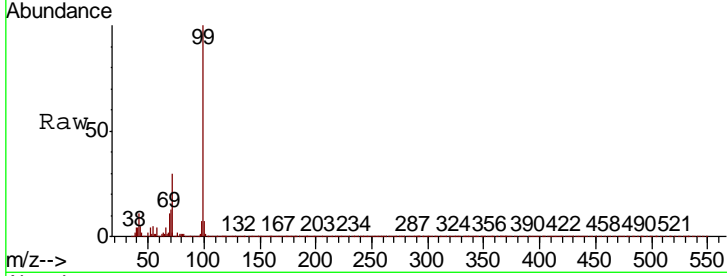
#7
 Phenol-d6
 Concen: 104.083 ng
 RT: 6.42 min Scan# 737
 Delta R.T. -0.00 min
 Lab File: BP000254.D
 Acq: 16 Sep 2019 22:25

Instrument :
 BNA_P
ClientSampled :
 TPA-9

Tgt Ion	Resp	Lower	Upper
99	2457755		
Ion Ratio			
99	100		
42	10.9	8.5	12.7
71	29.8	22.6	34.0

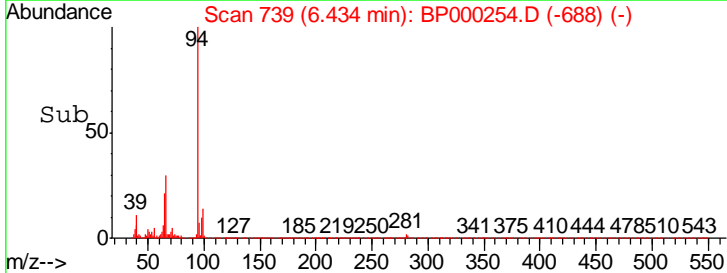
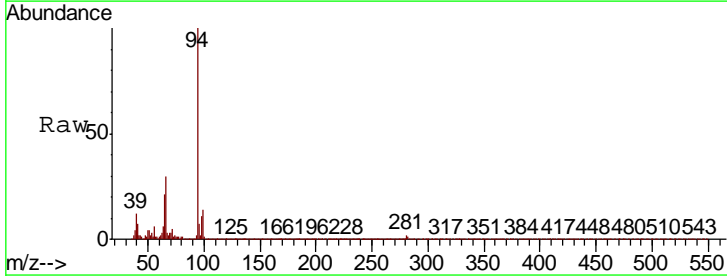
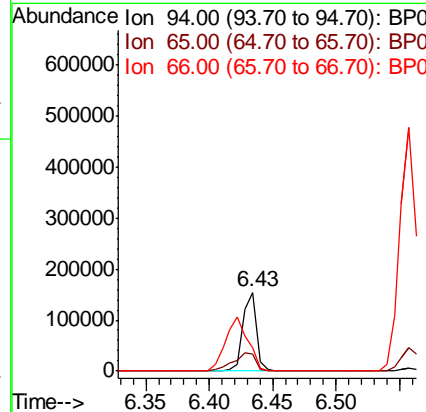
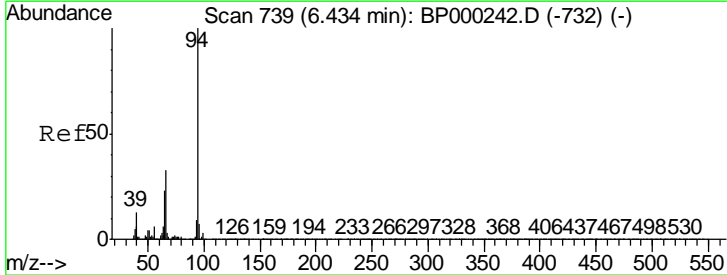
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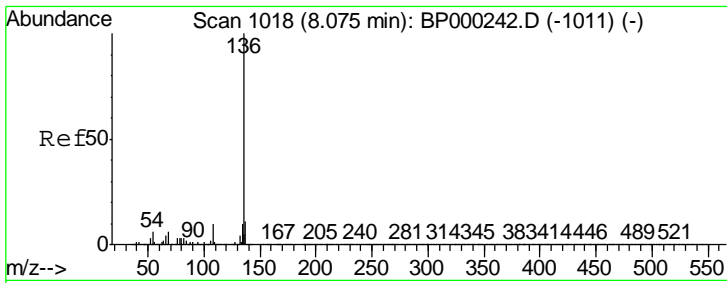
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#10
 Phenol
 Concen: 4.168 ng
 RT: 6.43 min Scan# 739
 Delta R.T. -0.00 min
 Lab File: BP000254.D
 Acq: 16 Sep 2019 22:25

Tgt Ion	Resp	Lower	Upper
94	111817		
Ion Ratio			
94	100		
65	21.3	3.3	43.3
66	29.7	12.7	52.7





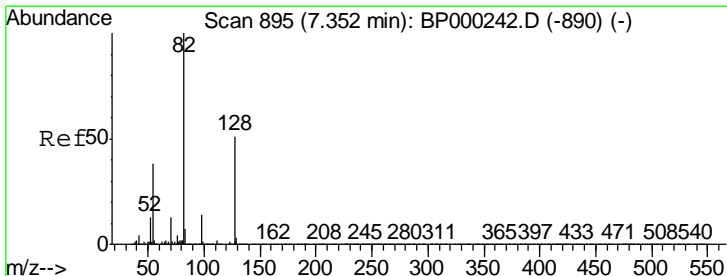
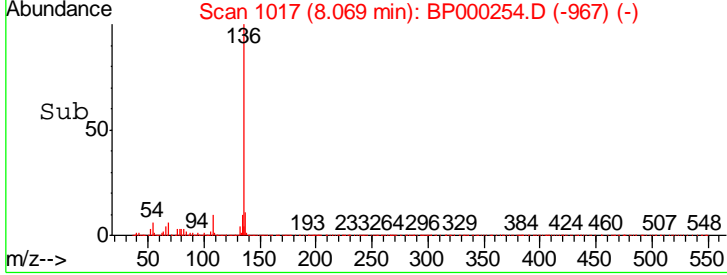
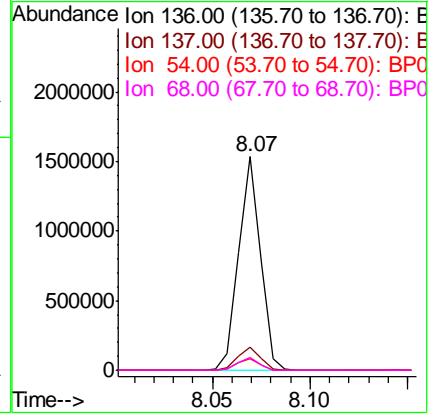
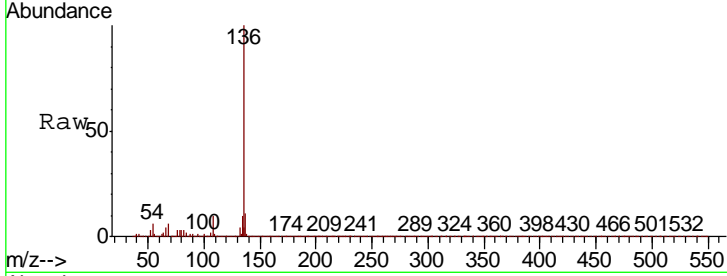
#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 8.07 min Scan# 1017
 Delta R.T. -0.01 min
 Lab File: BP000254.D
 Acq: 16 Sep 2019 22:25

Instrument :
 BNA_P
ClientSampled :
 TPA-9

Tgt Ion	Resp	Lower	Upper
136	1188083		
137	10.9	8.6	13.0
54	5.6	4.5	6.7
68	5.8	4.5	6.7

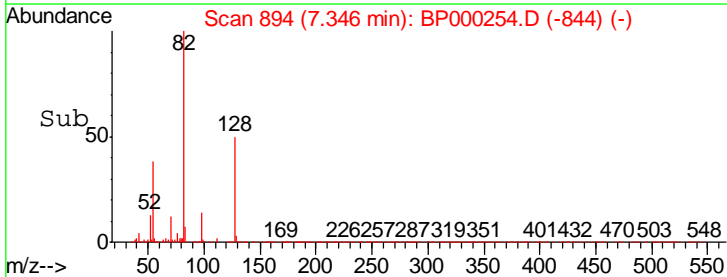
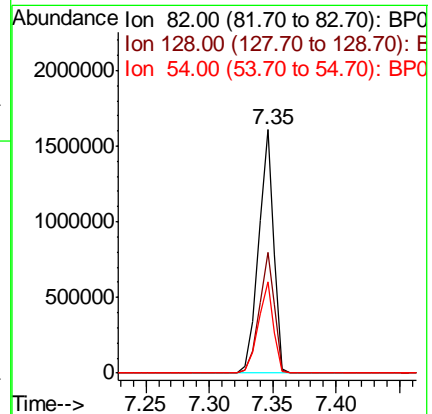
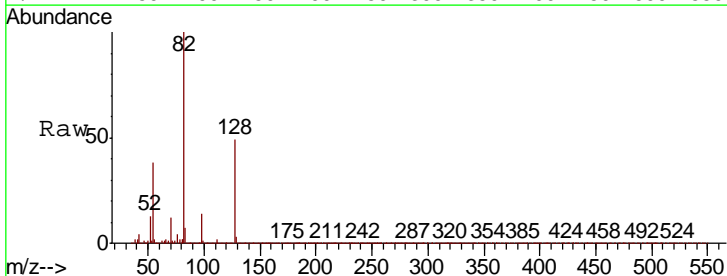
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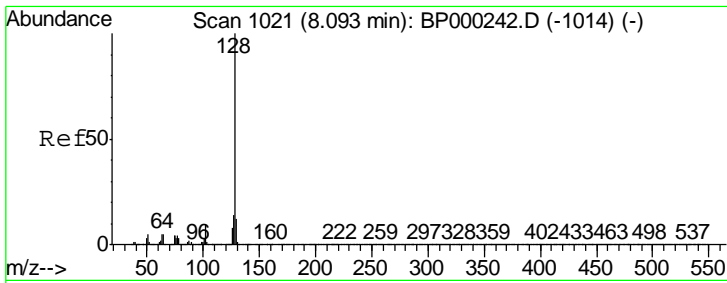
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#23
 Nitrobenzene-d5
 Concen: 73.463 ng
 RT: 7.35 min Scan# 894
 Delta R.T. -0.01 min
 Lab File: BP000254.D
 Acq: 16 Sep 2019 22:25

Tgt Ion	Resp	Lower	Upper
82	1352768		
128	49.5	40.7	61.1
54	37.7	30.1	45.1





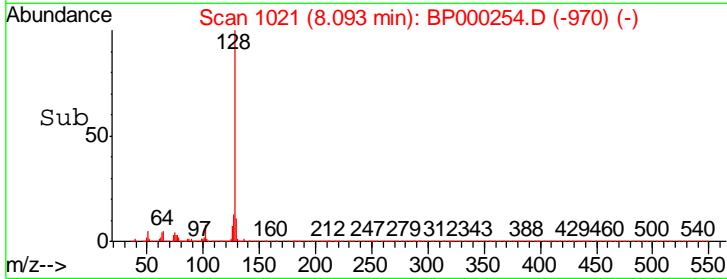
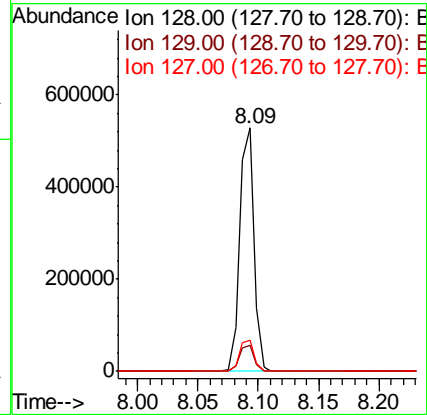
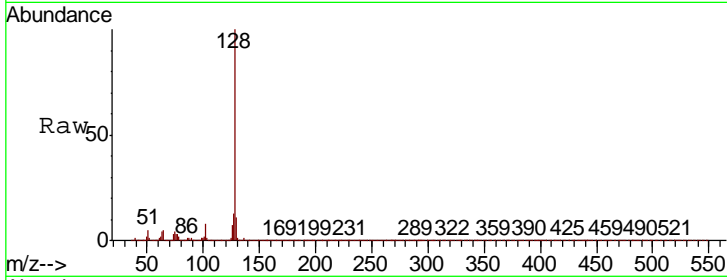
#31
 Naphthalene
 Concen: 7.970 ng
 RT: 8.09 min Scan# 1021
 Delta R.T. -0.00 min
 Lab File: BP000254.D
 Acq: 16 Sep 2019 22:25

Instrument :
 BNA_P
ClientSampled :
 TPA-9

Tgt Ion	Resp	Lower	Upper
128	438531		
129	10.9	9.2	13.8
127	12.8	11.0	16.6

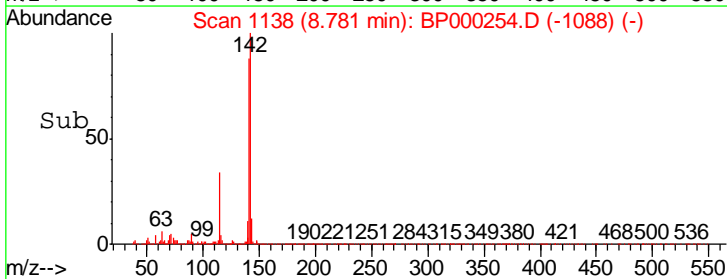
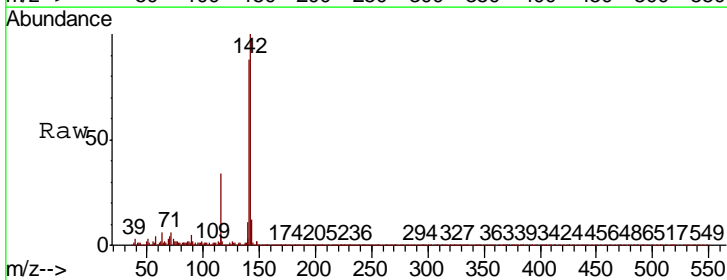
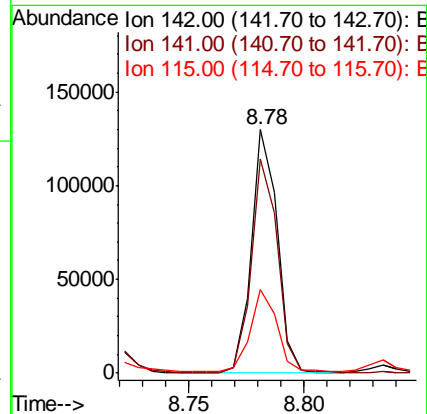
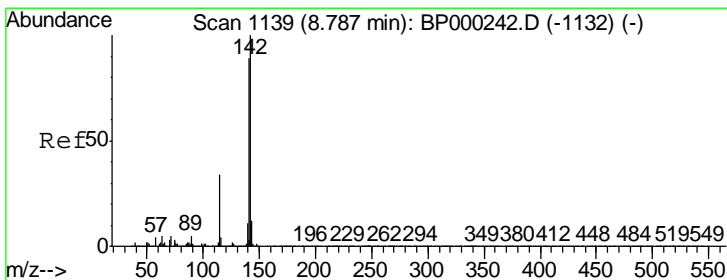
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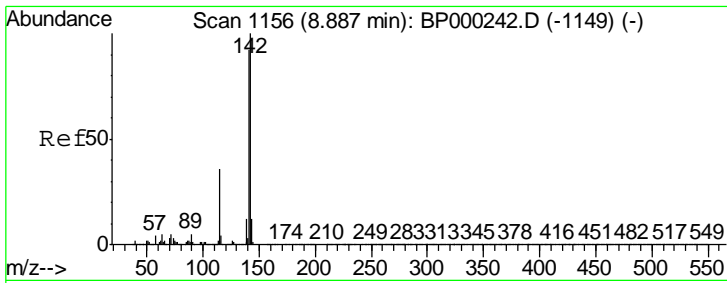
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#37
 2-Methylnaphthalene
 Concen: 2.696 ng
 RT: 8.78 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: BP000254.D
 Acq: 16 Sep 2019 22:25

Tgt Ion	Resp	Lower	Upper
142	101402		
141	87.9	71.3	106.9
115	34.5	27.2	40.8





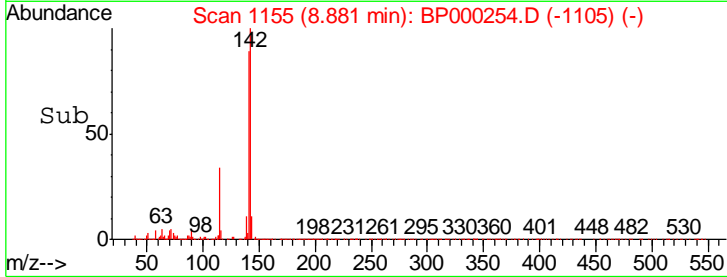
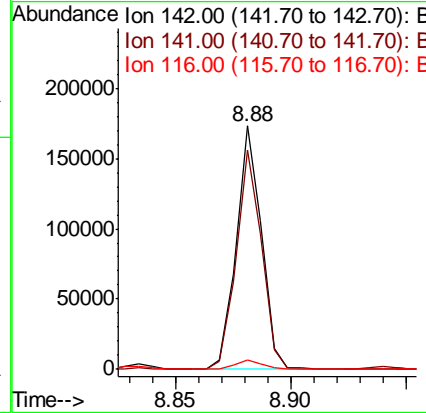
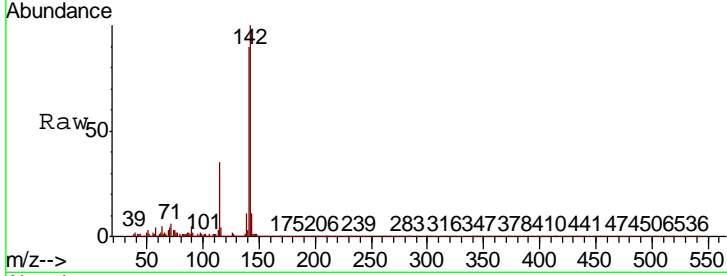
#38
 1-Methylnaphthalene
 Concen: 3.694 ng
 RT: 8.88 min Scan# 1155
 Delta R.T. -0.01 min
 Lab File: BP000254.D
 Acq: 16 Sep 2019 22:25

Instrument :
 BNA_P
ClientSampled :
 TPA-9

Tgt Ion	Resp	Lower	Upper
142	130157		
141	90.3	73.9	110.9
116	4.0	3.0	4.6

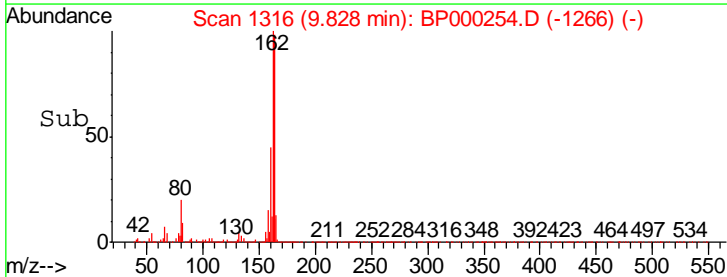
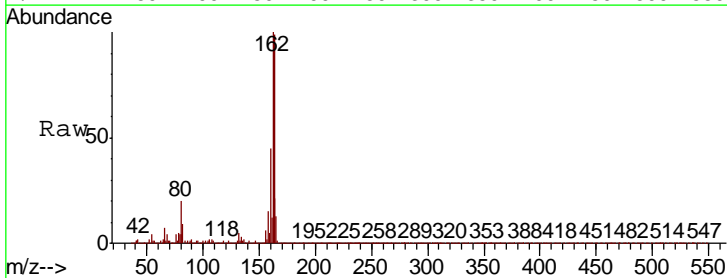
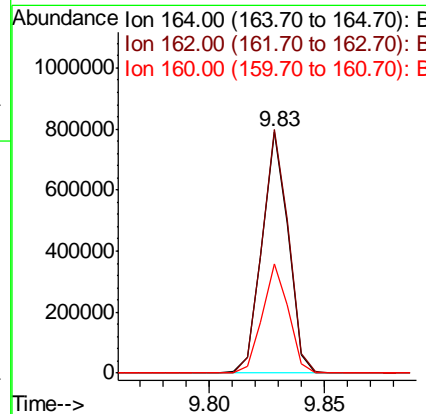
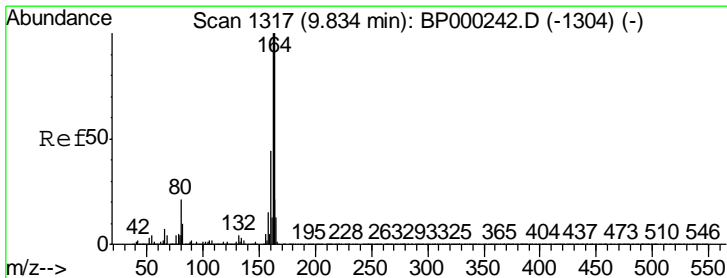
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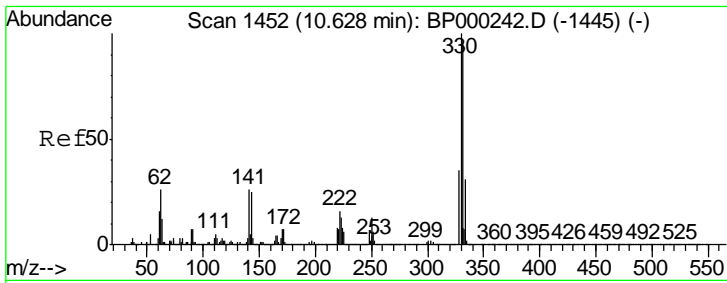
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: BP000254.D
 Acq: 16 Sep 2019 22:25

Tgt Ion	Resp	Lower	Upper
164	629823		
162	100.9	79.9	119.9
160	45.2	35.6	53.4





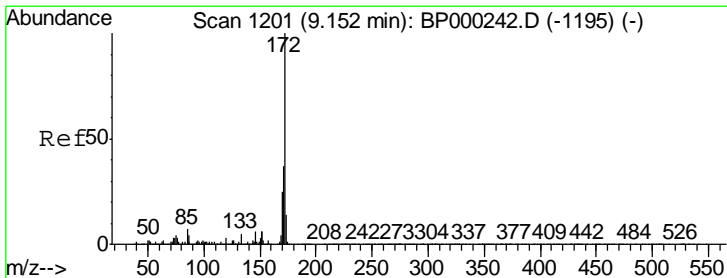
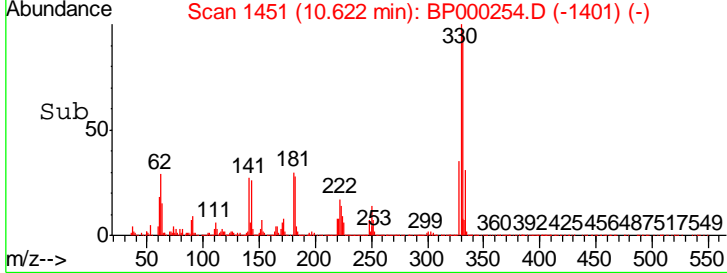
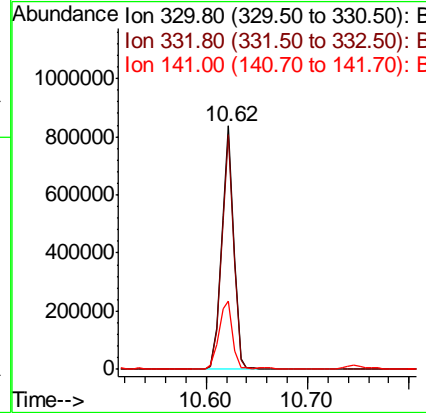
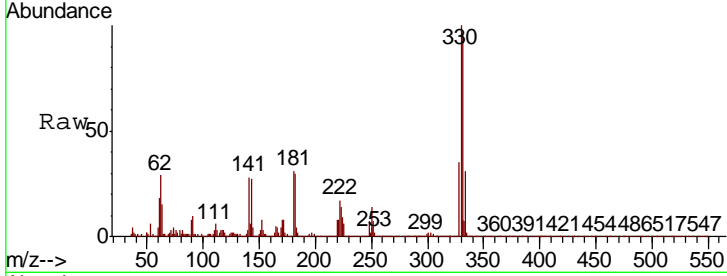
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 2,4,6-Tribromophenol
 Concen: 110.472 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: BP000254.D
 Acq: 16 Sep 2019 22:25

Instrument :
 BNA_P
ClientSampled :
 TPA-9

Tgt Ion	Resp	Lower	Upper
330	100		
332	96.5	76.6	115.0
141	30.7	26.5	39.7

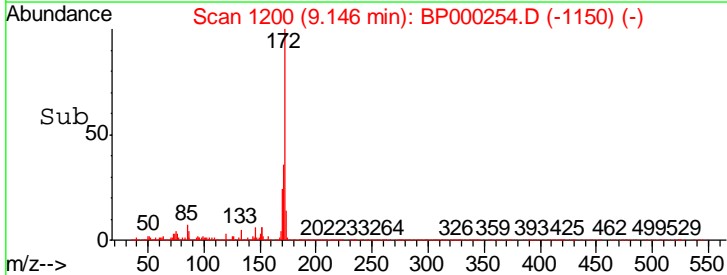
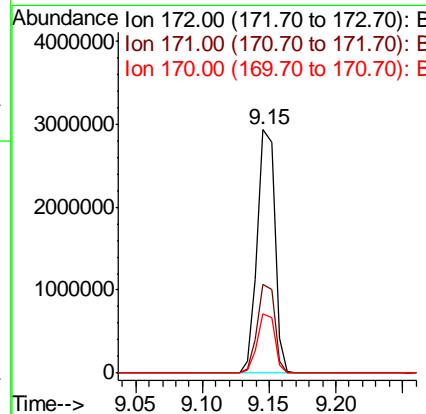
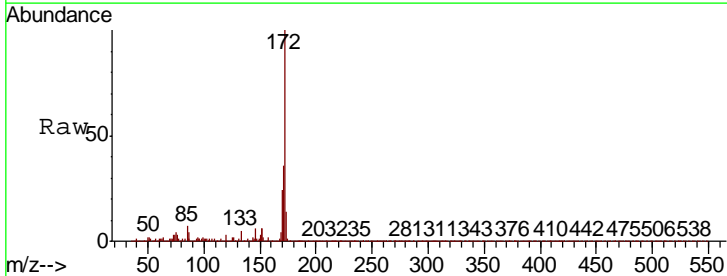
Manual Integrations
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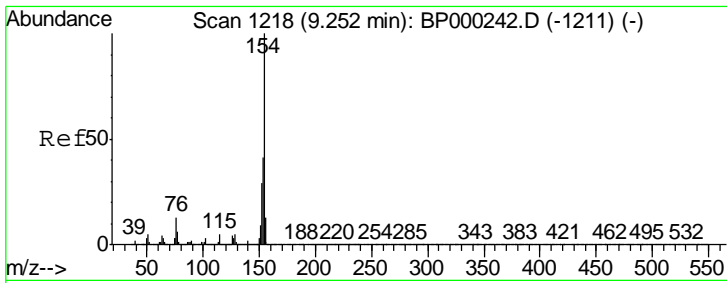
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#45
 2-Fluorobiphenyl
 Concen: 75.192 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BP000254.D
 Acq: 16 Sep 2019 22:25

Tgt Ion	Resp	Lower	Upper
172	100		
171	36.4	29.8	44.6
170	24.3	19.8	29.6



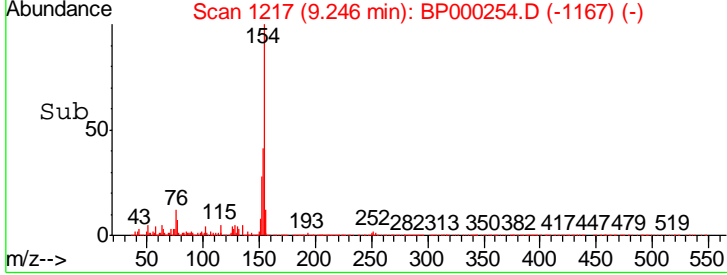
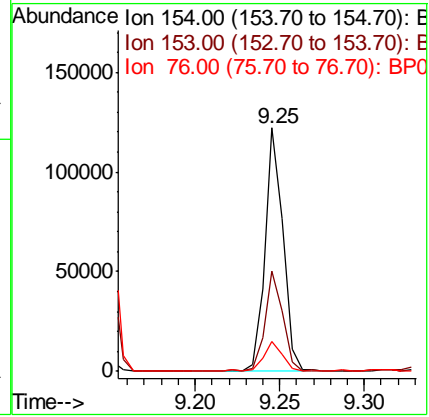
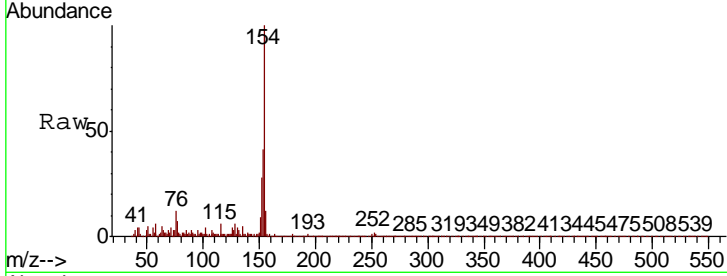


#46
 1,1'-Biphenyl
 Concen: 2.077 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: BP000254.D
 Acq: 16 Sep 2019 22:25

Instrument :
 BNA_P
ClientSampled :
 TPA-9

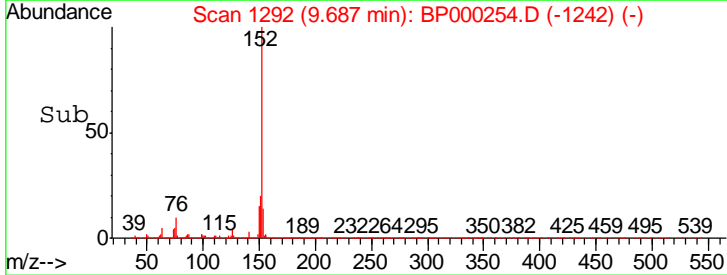
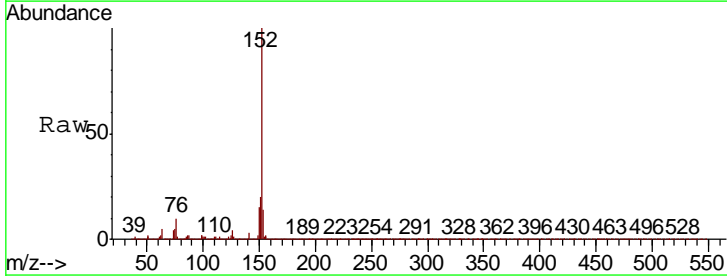
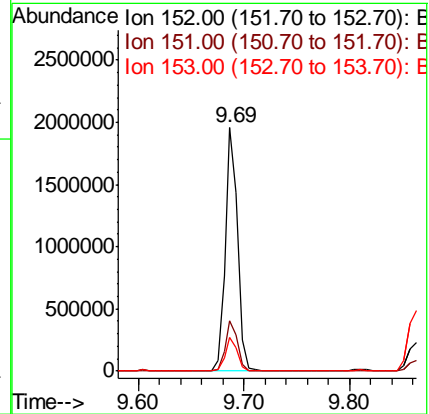
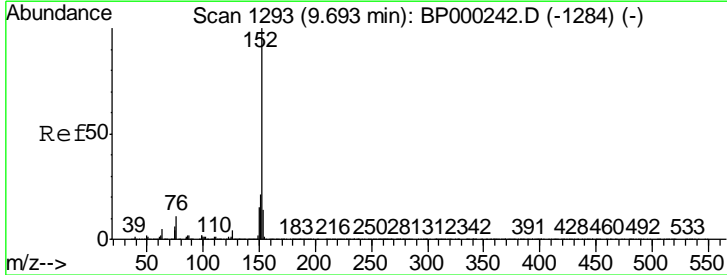
Tgt Ion	Resp	Lower	Upper
154	100		
153	41.3	21.4	61.4
76	12.5	0.0	33.4

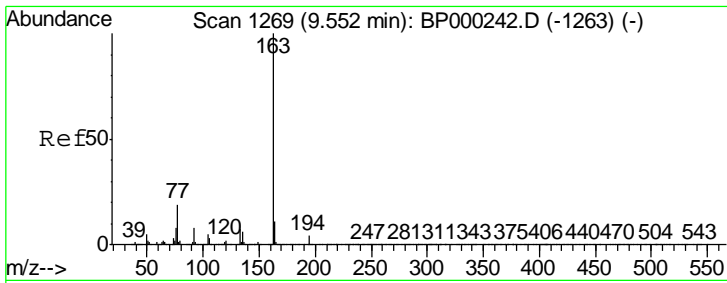
Manual Integrations
APPROVED
 mohammad
 9/17/2019 1:27:43 PM



#49
 Acenaphthylene
 Concen: 29.365 ng
 RT: 9.69 min Scan# 1292
 Delta R.T. -0.01 min
 Lab File: BP000254.D
 Acq: 16 Sep 2019 22:25

Tgt Ion	Resp	Lower	Upper
152	100		
151	20.5	16.4	24.6
153	13.8	11.0	16.4





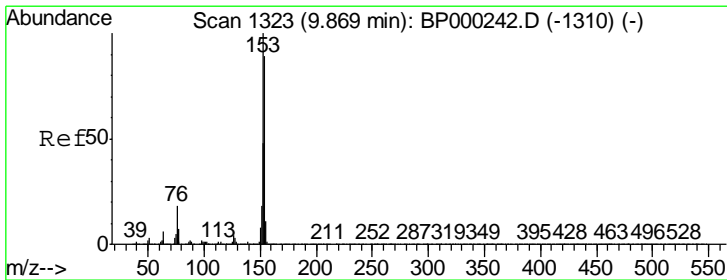
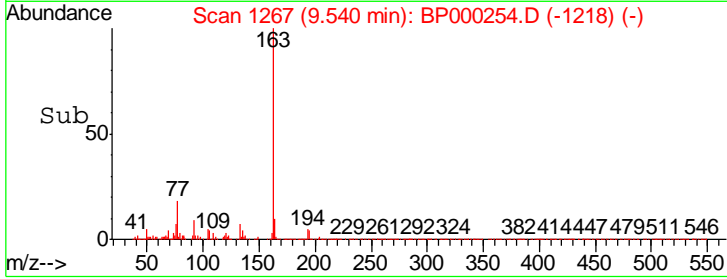
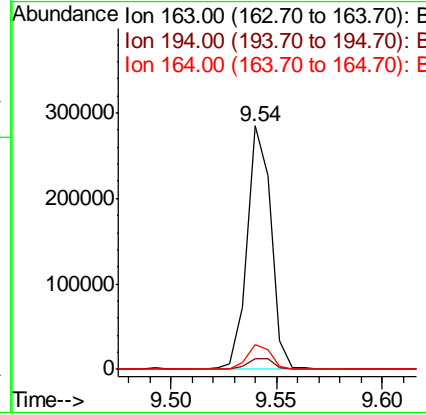
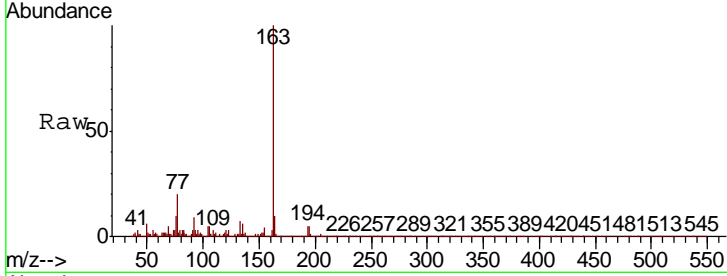
#50
 Dimethylphthalate
 Concen: 5.129 ng
 RT: 9.54 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: BP000254.D
 Acq: 16 Sep 2019 22:25

Instrument :
 BNA_P
ClientSampled :
 TPA-9

Tgt Ion	Resp	Lower	Upper
163	220089		
194	4.5	3.4	5.0
164	10.2	8.5	12.7

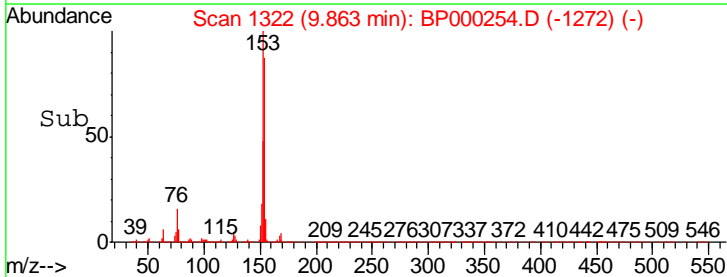
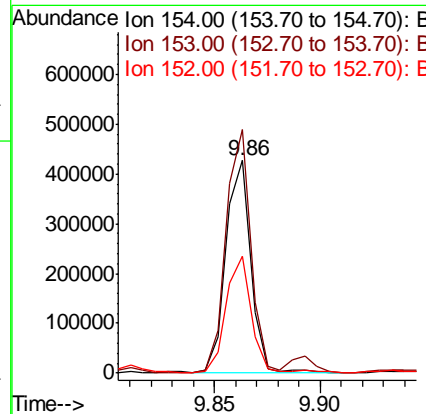
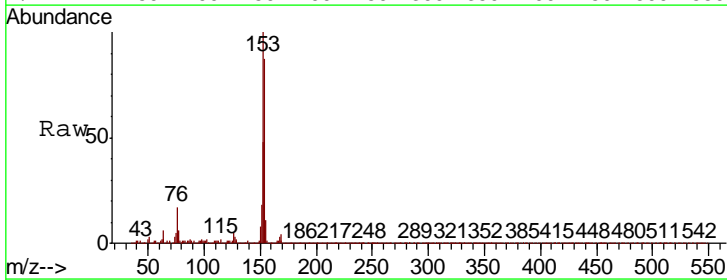
Manual Integrations
APPROVED

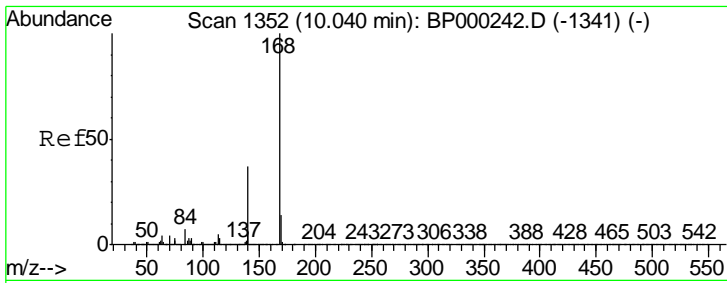
mohammad
 9/17/2019 1:27:43 PM



#52
 Acenaphthene
 Concen: 9.999 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: BP000254.D
 Acq: 16 Sep 2019 22:25

Tgt Ion	Resp	Lower	Upper
154	346669		
153	114.6	89.8	134.6
152	55.0	43.4	65.0





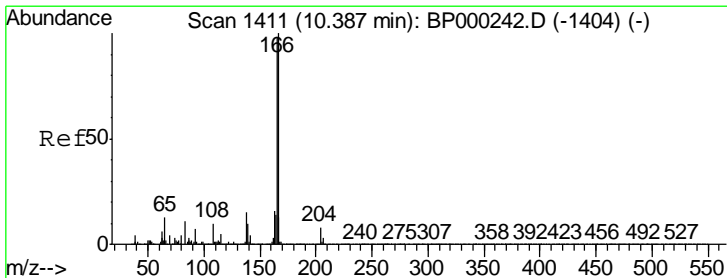
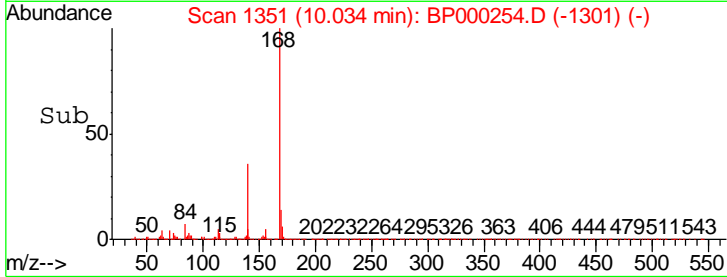
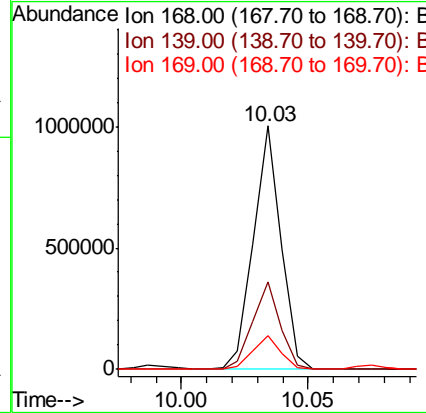
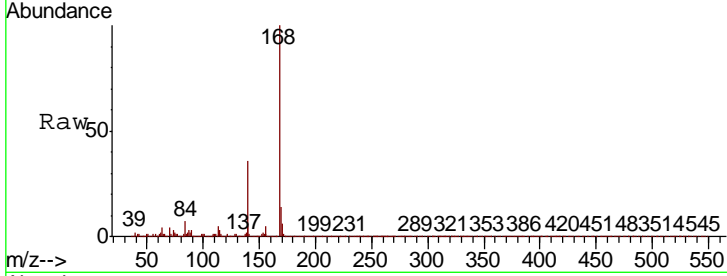
#55
 Dibenzofuran
 Concen: 15.437 ng
 RT: 10.03 min Scan# 1351
 Delta R.T. -0.01 min
 Lab File: BP000254.D
 Acq: 16 Sep 2019 22:25

Instrument :
 BNA_P
 ClientSampled :
 TPA-9

Tgt Ion	Resp	Lower	Upper
168	100		
139	35.8	30.0	45.0
169	14.1	11.0	16.6

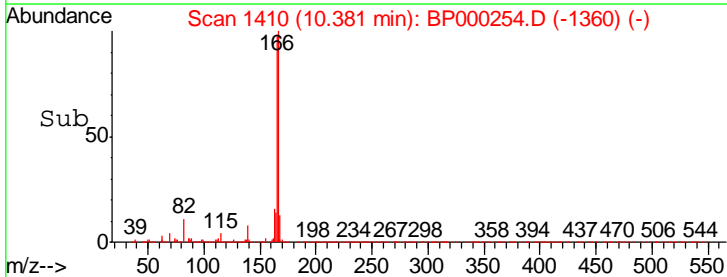
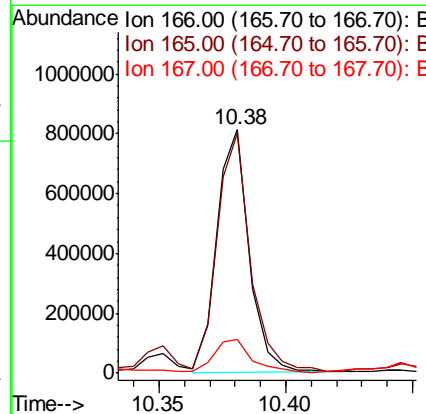
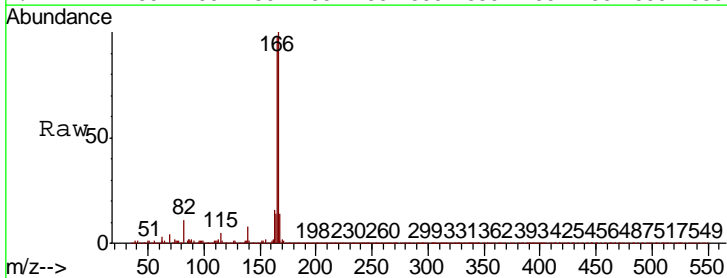
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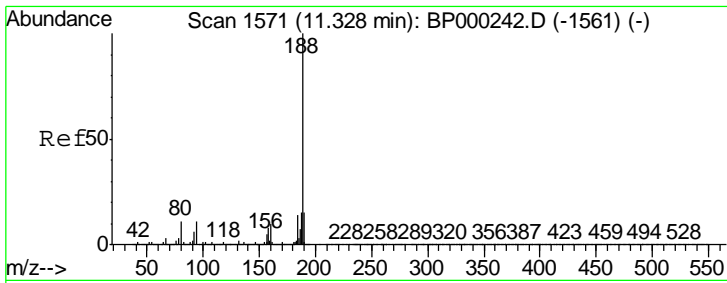
mohammad
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#58
 Fluorene
 Concen: 18.864 ng
 RT: 10.38 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: BP000254.D
 Acq: 16 Sep 2019 22:25

Tgt Ion	Resp	Lower	Upper
166	100		
165	98.3	78.2	117.2
167	13.6	10.7	16.1





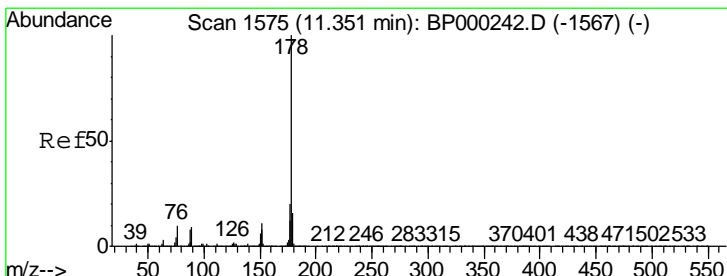
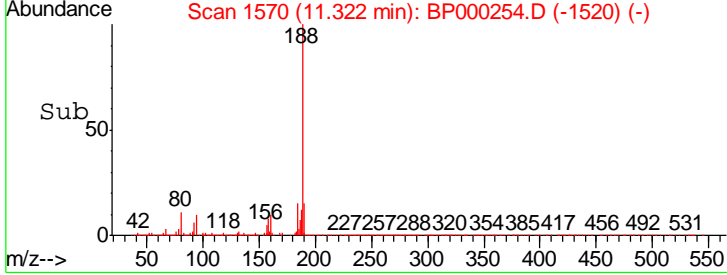
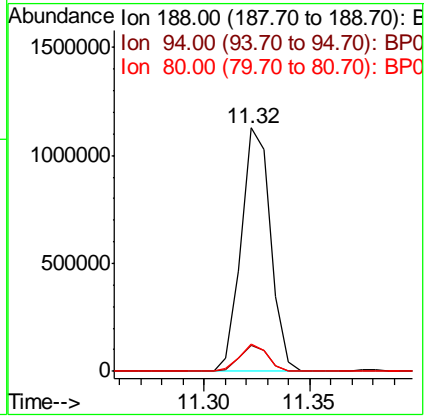
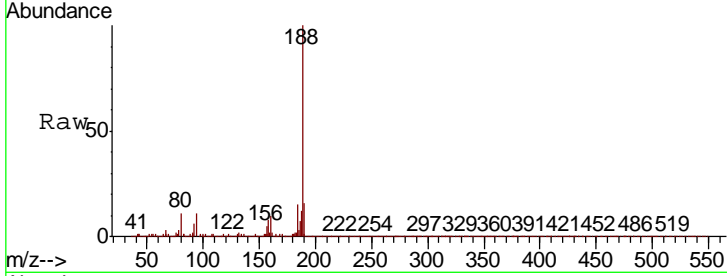
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BP000254.D
 Acq: 16 Sep 2019 22:25

Instrument :
 BNA_P
ClientSampled :
 TPA-9

Tgt Ion	Resp	Lower	Upper
188	1086199		
94	10.6	8.5	12.7
80	11.0	8.6	13.0

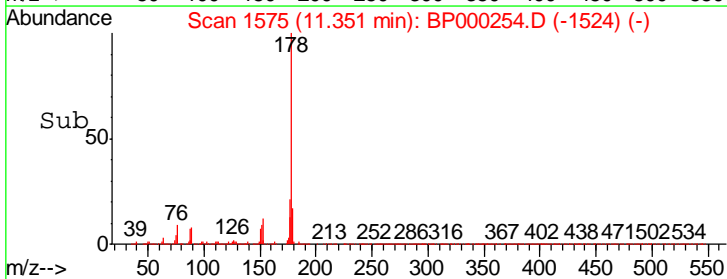
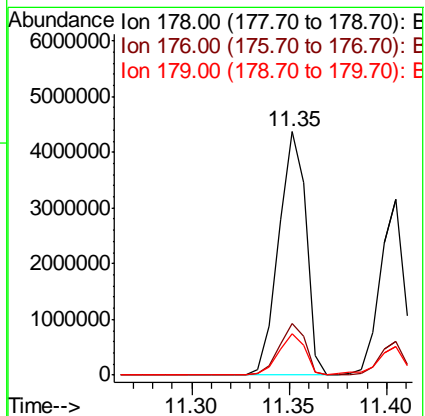
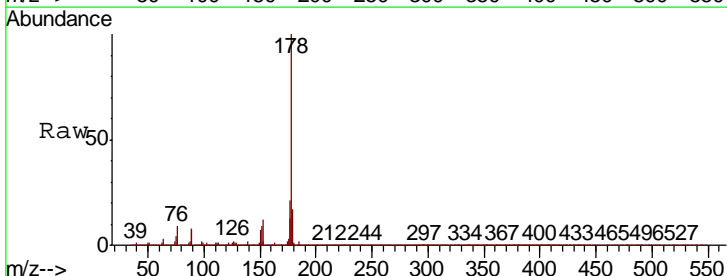
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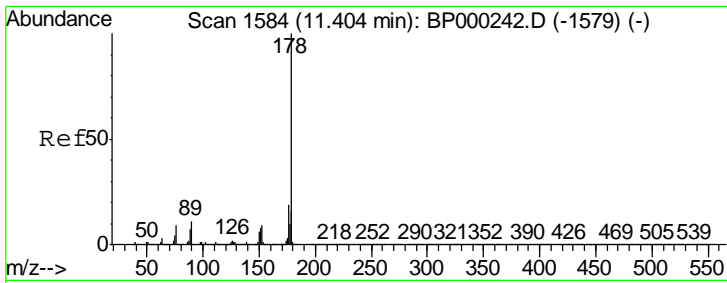
mohammad
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#71
 Phenanthrene
 Concen: 77.482 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: BP000254.D
 Acq: 16 Sep 2019 22:25

Tgt Ion	Resp	Lower	Upper
178	4217539		
176	21.3	15.8	23.8
179	17.1	12.7	19.1





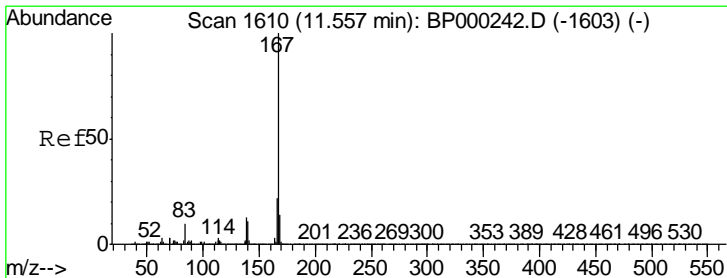
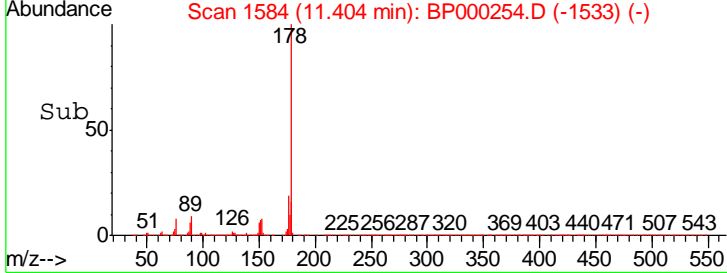
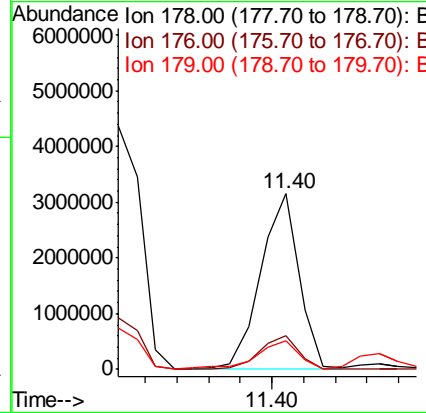
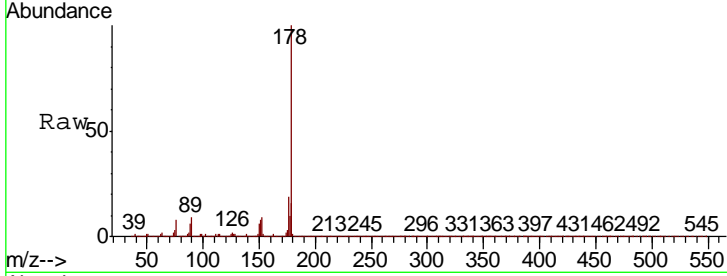
#72
 Anthracene
 Concen: 47.004 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: BP000254.D
 Acq: 16 Sep 2019 22:25

Instrument :
 BNA_P
 ClientSampled :
 TPA-9

Tgt Ion	Resp	Lower	Upper
178	100		
176	19.5	15.4	23.0
179	16.3	12.7	19.1

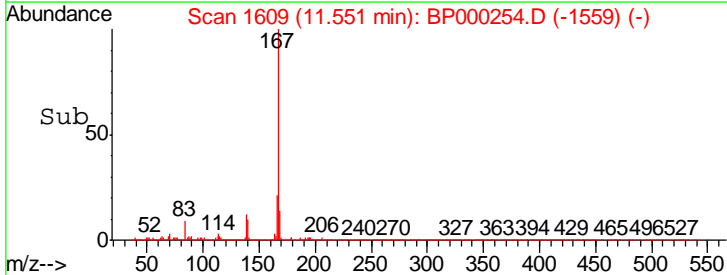
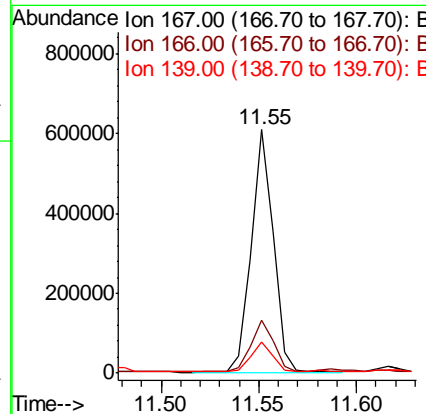
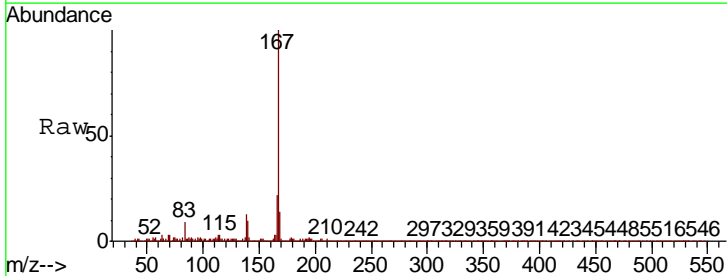
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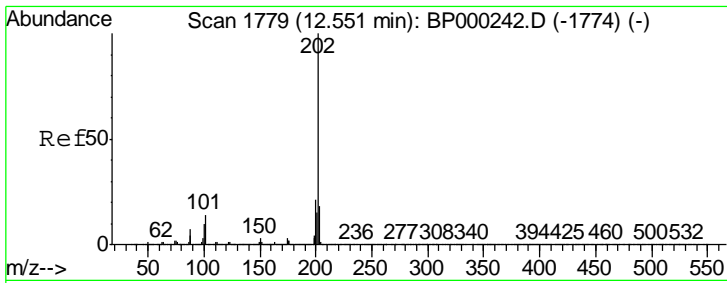
mohammad
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#73
 Carbazole
 Concen: 9.434 ng
 RT: 11.55 min Scan# 1609
 Delta R.T. -0.01 min
 Lab File: BP000254.D
 Acq: 16 Sep 2019 22:25

Tgt Ion	Resp	Lower	Upper
167	100		
166	22.0	17.8	26.8
139	12.8	10.8	16.2





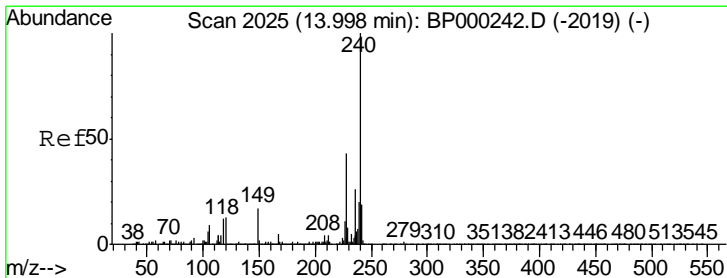
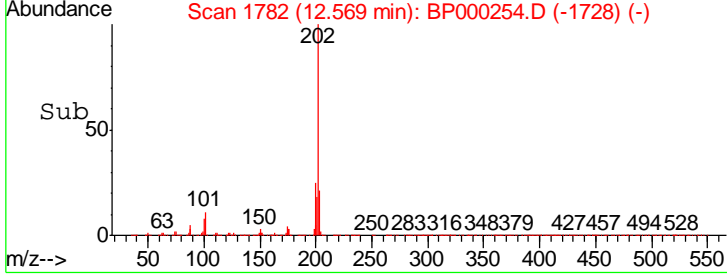
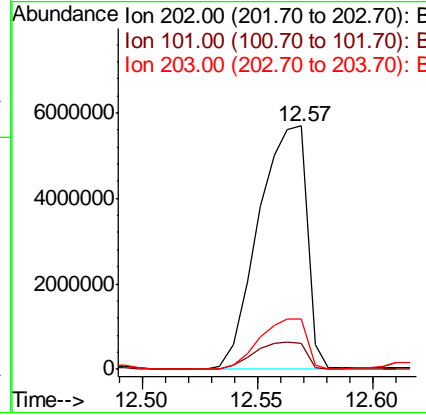
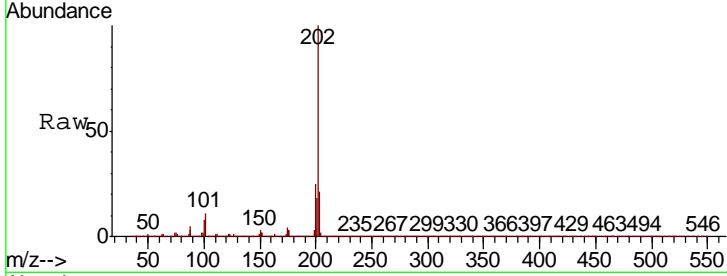
#75
 Fluoranthene
 Concen: 141.040 ng
 RT: 12.57 min Scan# 1782
 Delta R.T. 0.02 min
 Lab File: BP000254.D
 Acq: 16 Sep 2019 22:25

Instrument :
 BNA_P
 ClientSampled :
 TPA-9

Tgt Ion	Resp	Lower	Upper
202	100		
101	10.6	0.0	33.9
203	20.7	0.0	38.0

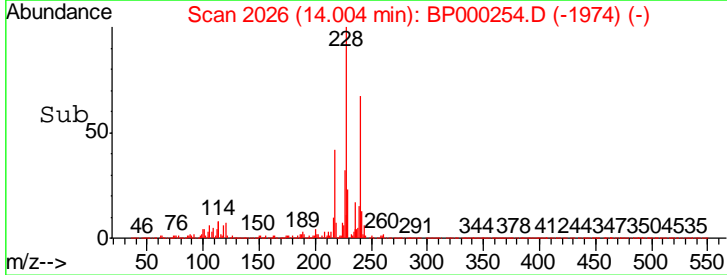
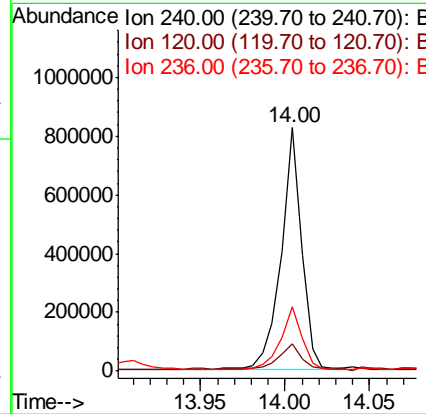
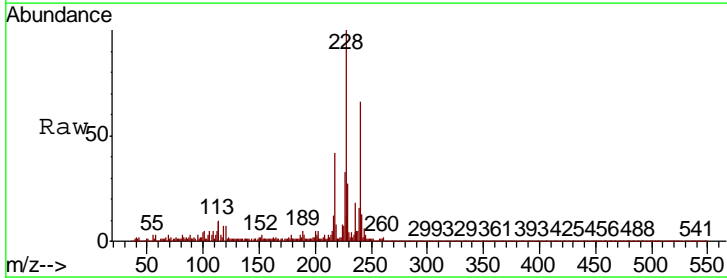
Manual Integrations
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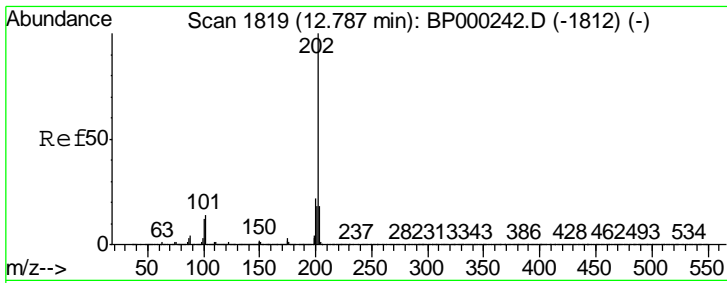
mohammad
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#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. 0.01 min
 Lab File: BP000254.D
 Acq: 16 Sep 2019 22:25

Tgt Ion	Resp	Lower	Upper
240	100		
120	11.3	10.4	15.6
236	26.7	21.0	31.6





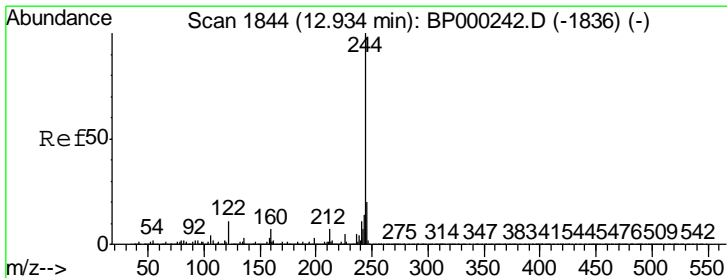
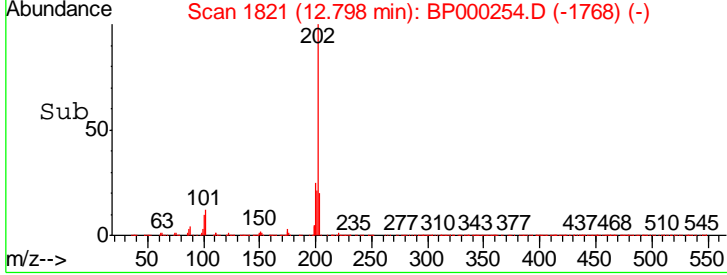
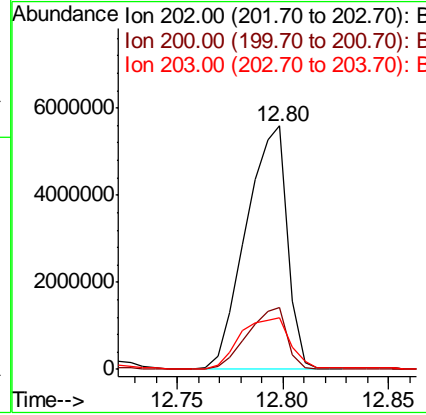
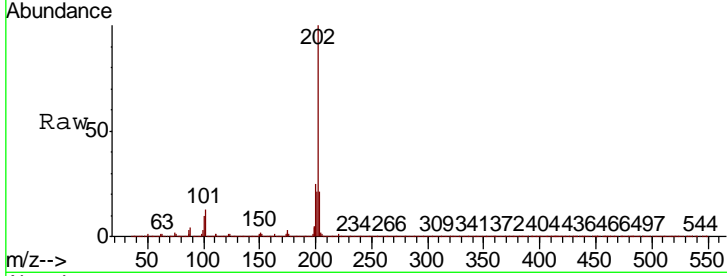
#78
 Pyrene
 Concen: 147.675 ng
 RT: 12.80 min Scan# 1821
 Delta R.T. 0.01 min
 Lab File: BP000254.D
 Acq: 16 Sep 2019 22:25

Instrument :
 BNA_P
 ClientSampled :
 TPA-9

Tgt Ion	Resp	Lower	Upper
202	100		
200	25.4	17.5	26.3
203	21.0	14.3	21.5

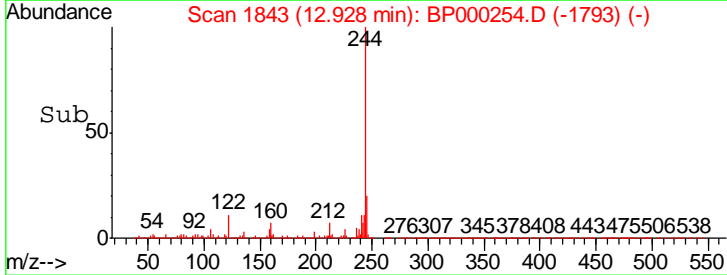
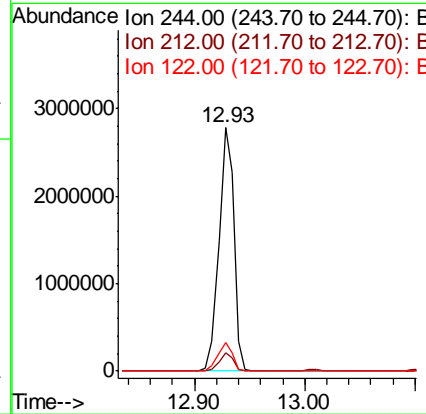
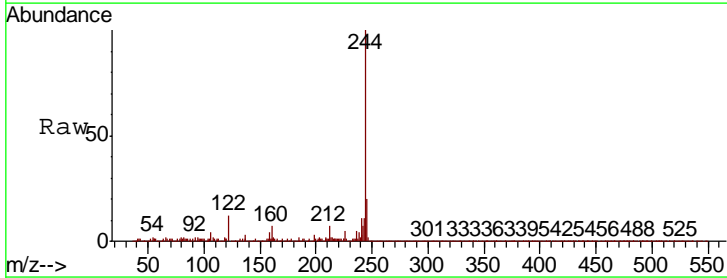
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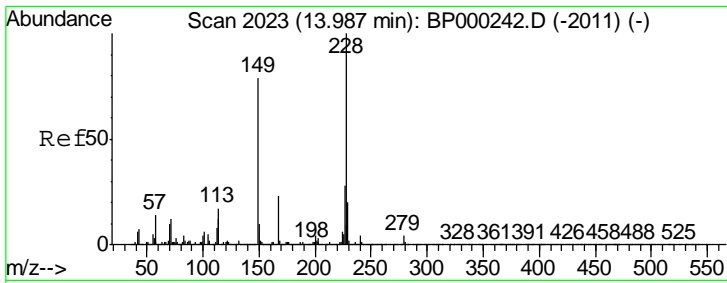
mohammad
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#79
 Terphenyl-d14
 Concen: 79.124 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: BP000254.D
 Acq: 16 Sep 2019 22:25

Tgt Ion	Resp	Lower	Upper
244	100		
212	7.3	5.9	8.9
122	11.6	9.0	13.4





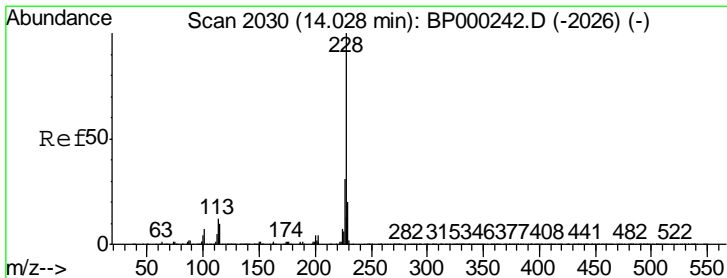
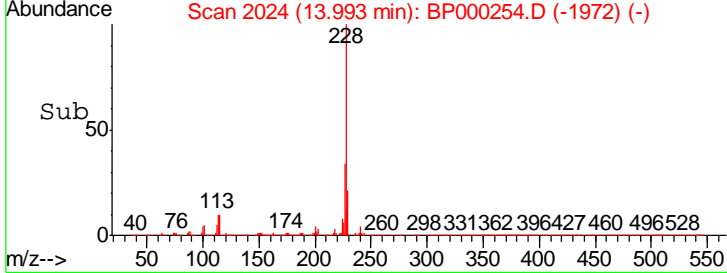
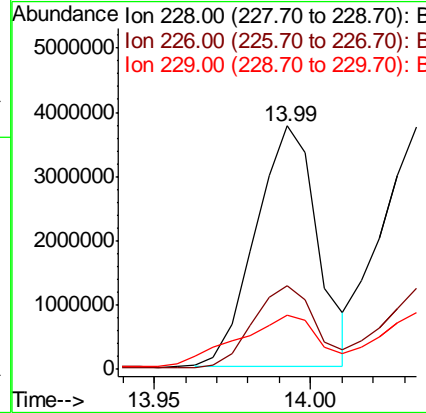
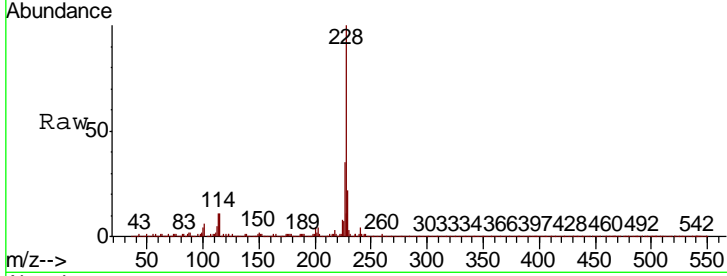
#81
 Benzo(a)anthracene
 Concen: 119.534 ng m
 RT: 13.99 min Scan# 2024
 Delta R.T. 0.01 min
 Lab File: BP000254.D
 Acq: 16 Sep 2019 22:25

Instrument :
 BNA_P
 ClientSampled :
 TPA-9

Tgt Ion	Resp	Lower	Upper
228	100		
226	34.6	22.2	33.4
229	22.4	16.0	24.0

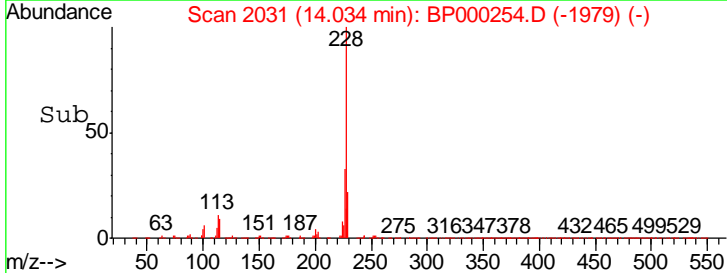
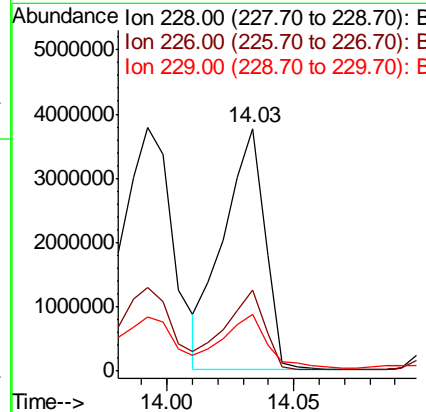
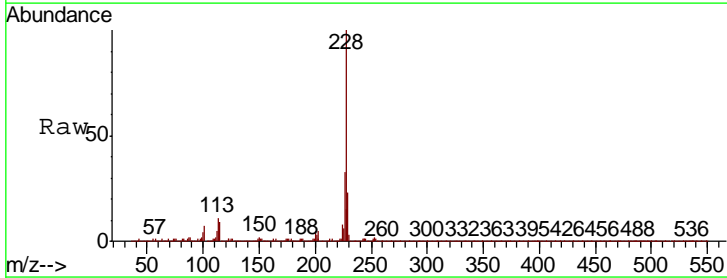
Manual Integrations
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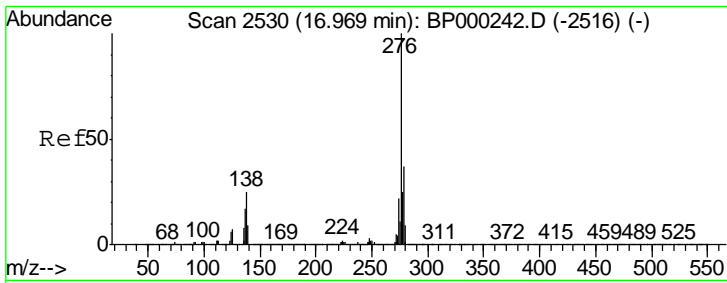
mohammad
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#83
 Chrysene
 Concen: 100.650 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. 0.01 min
 Lab File: BP000254.D
 Acq: 16 Sep 2019 22:25

Tgt Ion	Resp	Lower	Upper
228	100		
226	33.2	24.9	37.3
229	23.3	16.2	24.2





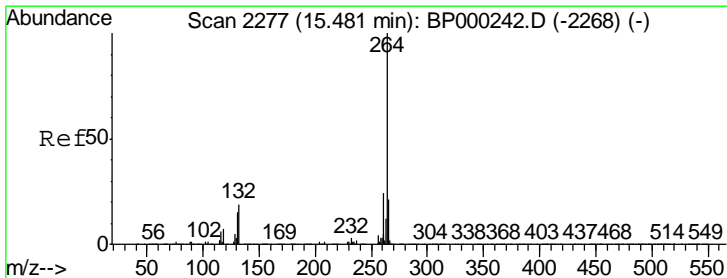
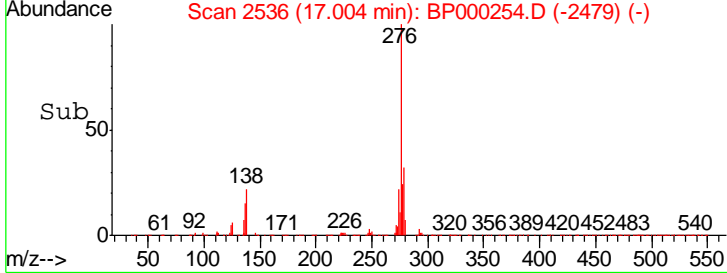
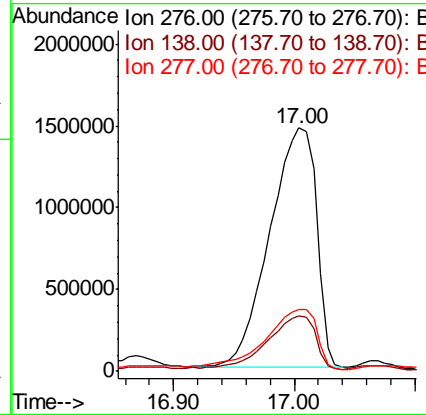
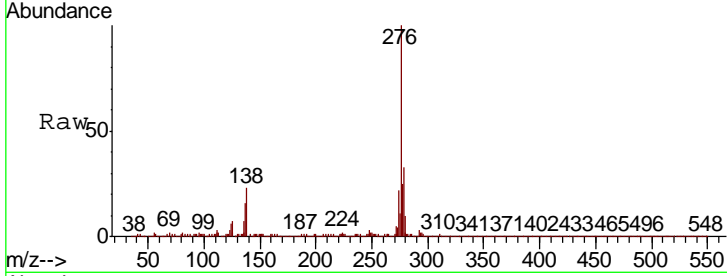
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 76.287 ng
 RT: 17.00 min Scan# 2536
 Delta R.T. 0.04 min
 Lab File: BP000254.D
 Acq: 16 Sep 2019 22:25

Instrument :
 BNA_P
 ClientSampled :
 TPA-9

Tgt Ion	Resp	Lower	Upper
276	100		
138	22.7	22.6	33.8
277	27.9	20.4	30.6

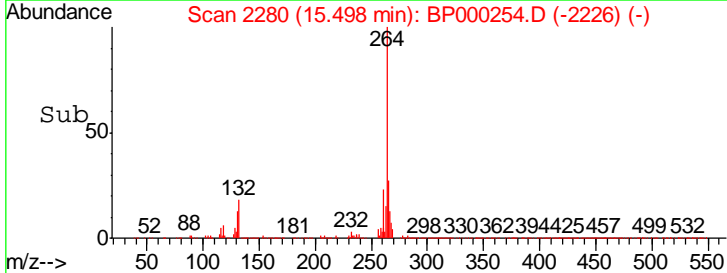
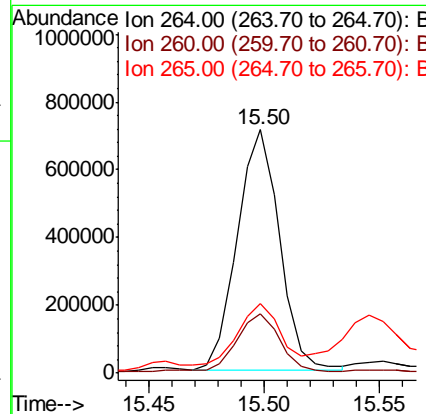
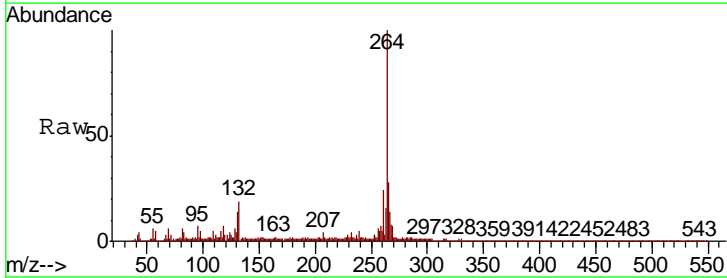
Manual Integrations
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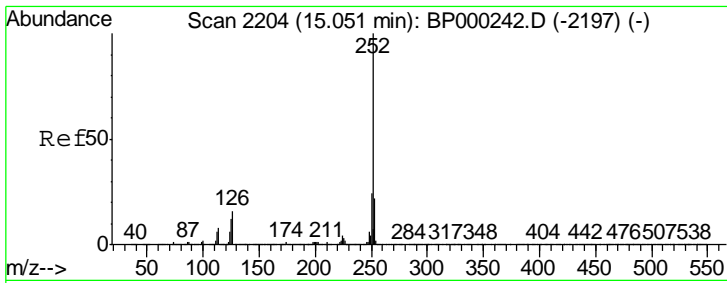
mohammad
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2280
 Delta R.T. 0.02 min
 Lab File: BP000254.D
 Acq: 16 Sep 2019 22:25

Tgt Ion	Resp	Lower	Upper
264	100		
260	24.3	18.9	28.3
265	28.3	17.2	25.8#





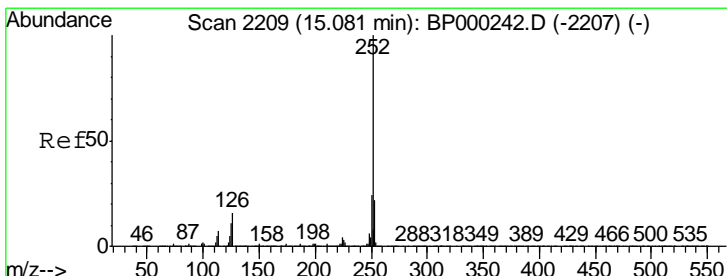
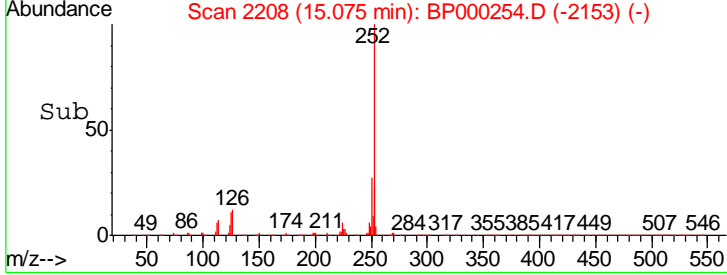
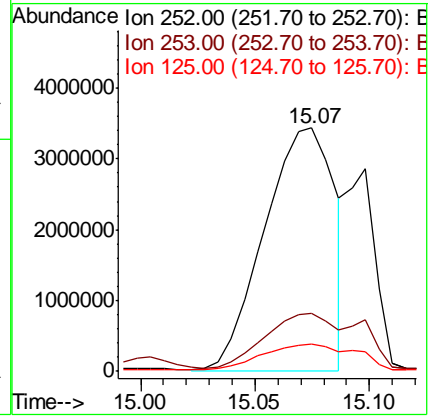
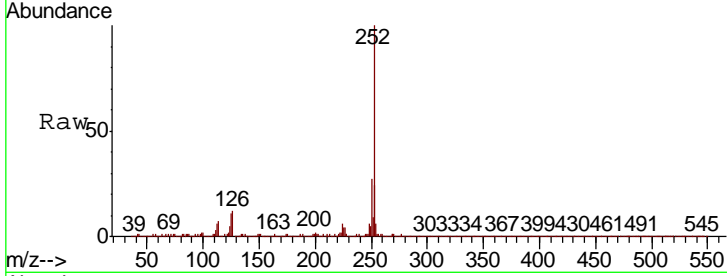
#88
 Benzo(b)fluoranthene
 Concen: 136.843 ng m
 RT: 15.07 min Scan# 2208
 Delta R.T. 0.02 min
 Lab File: BP000254.D
 Acq: 16 Sep 2019 22:25

Instrument :
 BNA_P
 ClientSampled :
 TPA-9

Tgt Ion: 252 Resp: 7392471

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.8	26.6
125	11.2	9.5	14.3

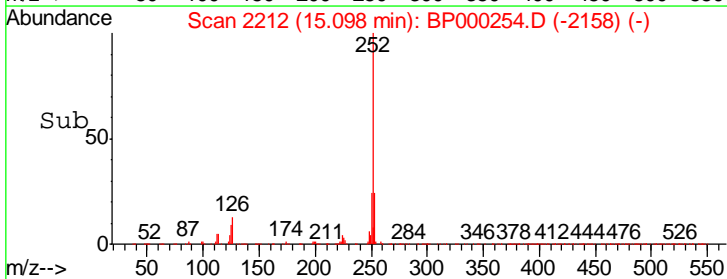
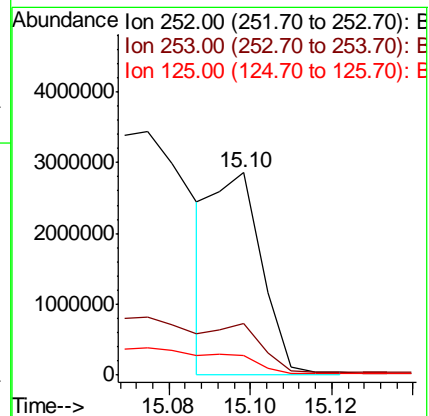
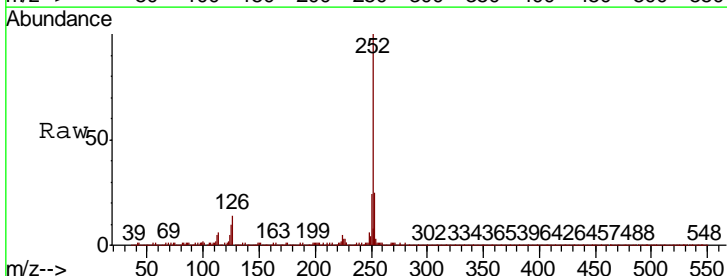
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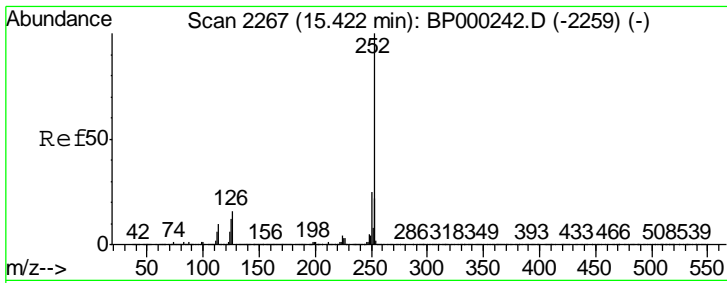


#89
 Benzo(k)fluoranthene
 Concen: 50.876 ng m
 RT: 15.10 min Scan# 2212
 Delta R.T. 0.02 min
 Lab File: BP000254.D
 Acq: 16 Sep 2019 22:25

Tgt Ion: 252 Resp: 2397426

Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.8	26.8
125	9.8	9.6	14.4





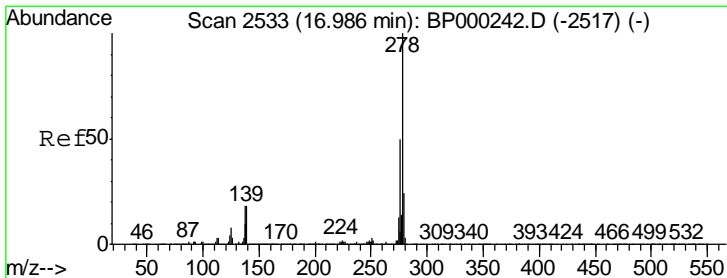
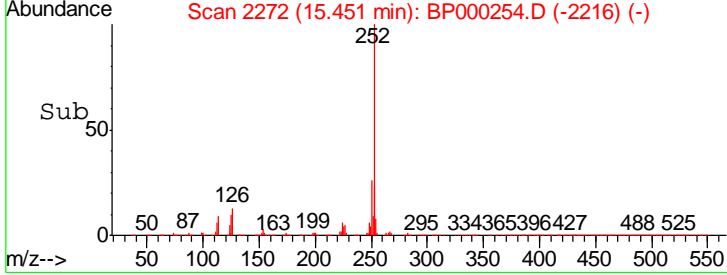
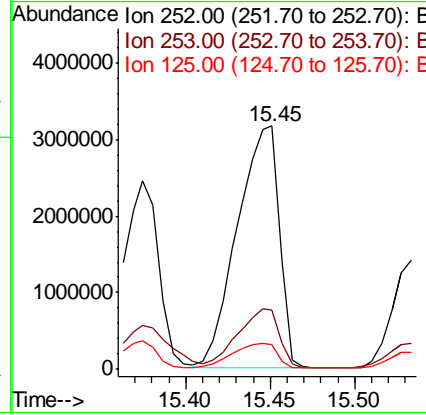
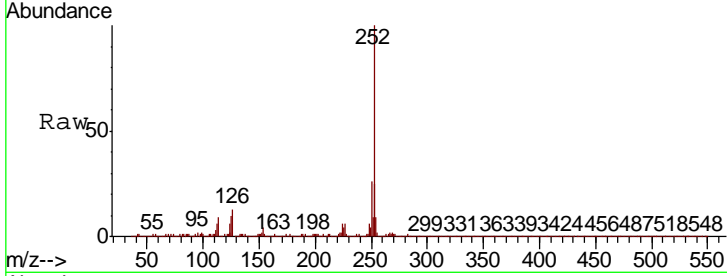
#90
 Benzo(a)pyrene
 Concen: 111.404 ng
 RT: 15.45 min Scan# 2272
 Delta R.T. 0.03 min
 Lab File: BP000254.D
 Acq: 16 Sep 2019 22:25

Instrument :
 BNA_P
 ClientSampled :
 TPA-9

Tgt Ion	Resp	Lower	Upper
252	100		
253	24.5	17.7	26.5
125	10.3	10.0	15.0

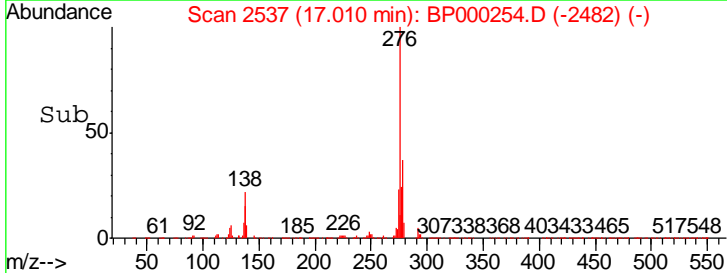
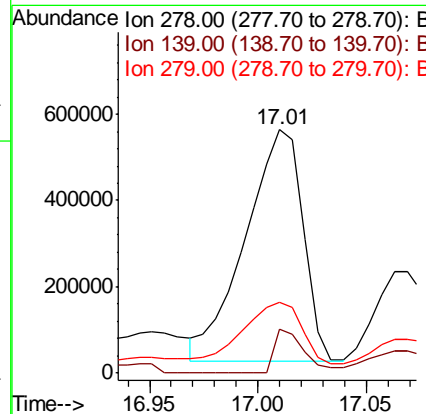
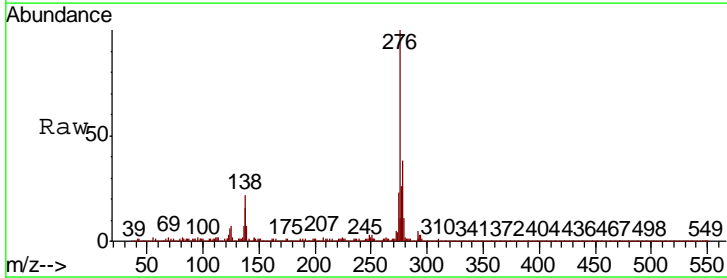
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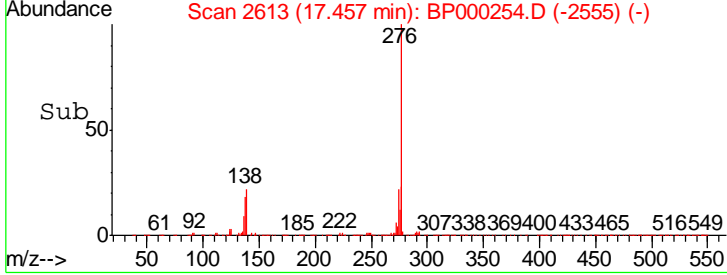
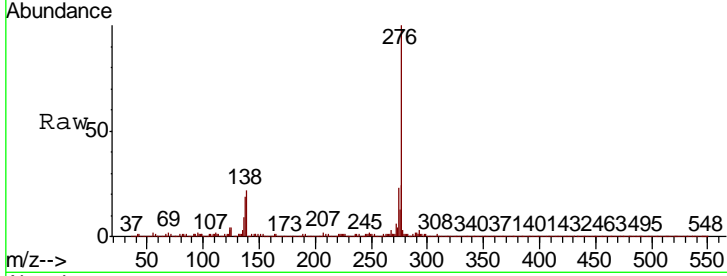
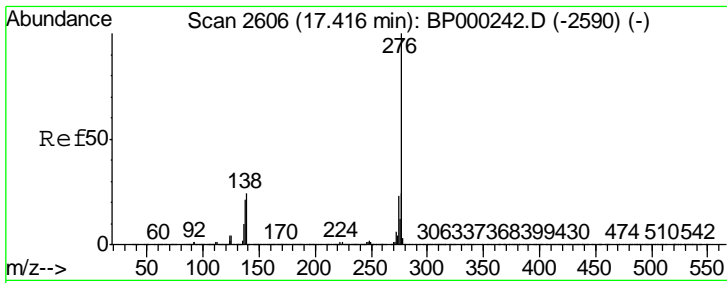
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#91
 Dibenzo(a,h)anthracene
 Concen: 21.481 ng m
 RT: 17.01 min Scan# 2537
 Delta R.T. 0.02 min
 Lab File: BP000254.D
 Acq: 16 Sep 2019 22:25

Tgt Ion	Resp	Lower	Upper
278	100		
139	18.0	14.5	21.7
279	29.3	19.0	28.6#





#92
 Benzo(a,h,i)perylene
 Concen: 79.694 ng
 RT: 17.46 min Scan# 2613
 Delta R.T. 0.04 min
 Lab File: BP000254.D
 Acq: 16 Sep 2019 22:25

Tot Ion: 276 Resp: 3754114

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.1	28.7
138	22.1	19.5	29.3

Instrument :
 BNA_P
 Client Sampled :
 TPA-9

Manual Integrations
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