

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080119\  
 Data File : BF115930.D  
 Acq On : 2 Aug 2019 1:55  
 Operator : HP/JU  
 Sample : K4106-01 2X  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

**Instrument :**  
 BNA\_F  
**ClientSampleId :**  
 WC-01

**Manual Integrations**  
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 mohammad  
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Quant Time: Aug 02 08:05:42 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 31 15:31:51 2019  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	158759	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	598666	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	285107	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	410019	20.00	ng	0.00
76) Chrysene-d12	14.02	240	351151	20.00	ng	0.00
87) Perylene-d12	15.50	264	303991	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	325506	34.32	ng	0.00
7) Phenol-d6	6.48	99	440023	36.78	ng	0.00
23) Nitrobenzene-d5	7.41	82	255729	24.66	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	79414	28.73	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	469944	30.87	ng	0.00
79) Terphenyl-d14	12.96	244	400893	24.06	ng	0.00

Target Compounds

						Qvalue
50) Dimethylphthalate	9.60	163	39296	2.024	ng	# 80
71) Phenanthrene	11.40	178	145928	6.962	ng	99
72) Anthracene	11.46	178	45202	2.131	ng	99
75) Fluoranthene	12.60	202	330278	15.051	ng	99
78) Pyrene	12.83	202	349998	13.222	ng	99
81) Benzo(a)anthracene	14.02	228	191386	8.527	ng	99
83) Chrysene	14.05	228	197252	9.052	ng	98
86) Indeno(1,2,3-cd)pyrene	16.97	276	87167	4.763	ng	98
88) Benzo(b)fluoranthene	15.07	252	226183m	12.868	ng	
89) Benzo(k)fluoranthene	15.09	252	66880m	3.906	ng	
90) Benzo(a)pyrene	15.43	252	129908	8.268	ng	# 93
92) Benzo(a,h,i)perylene	17.42	276	89287	6.684	ng	98

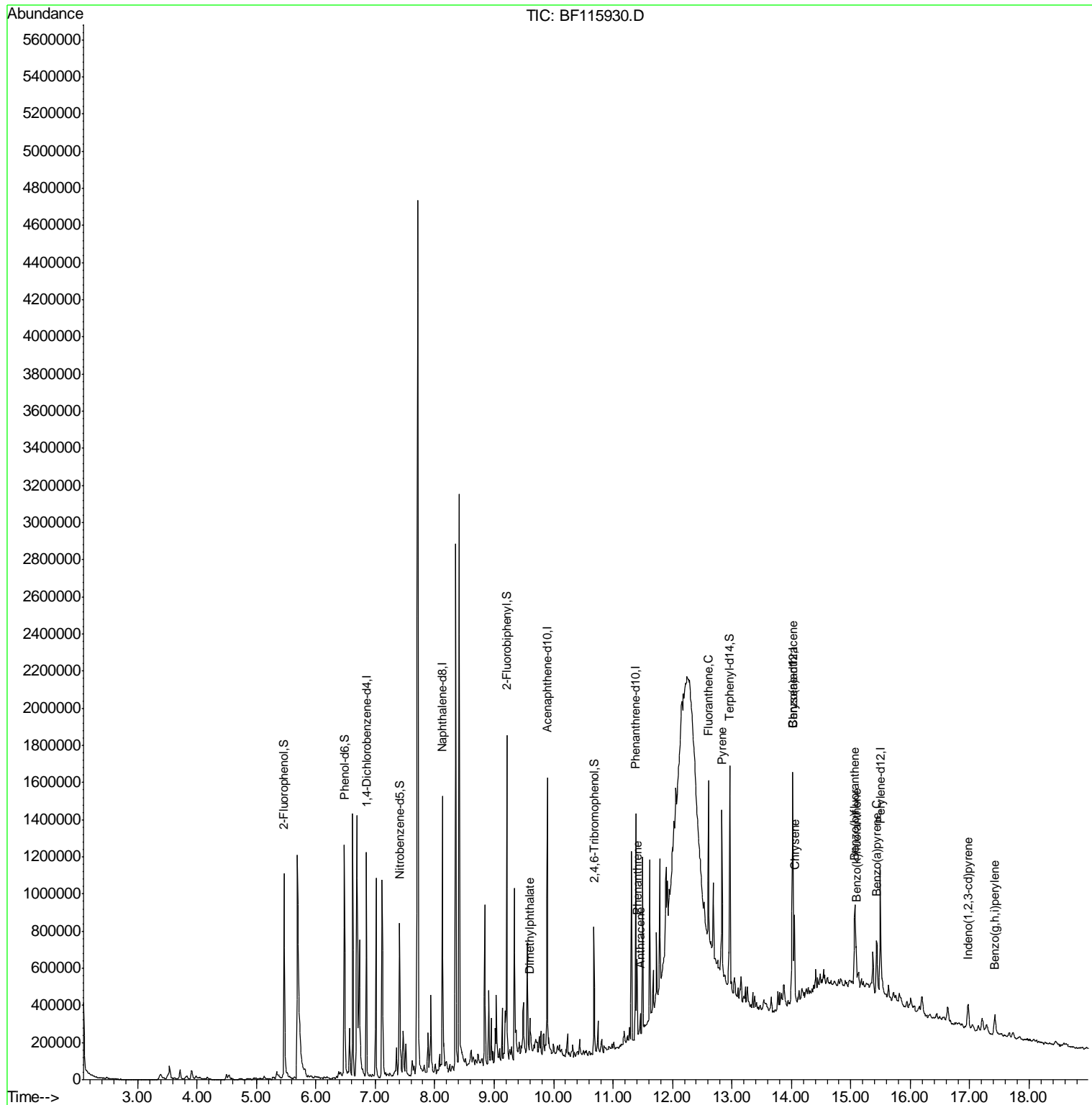
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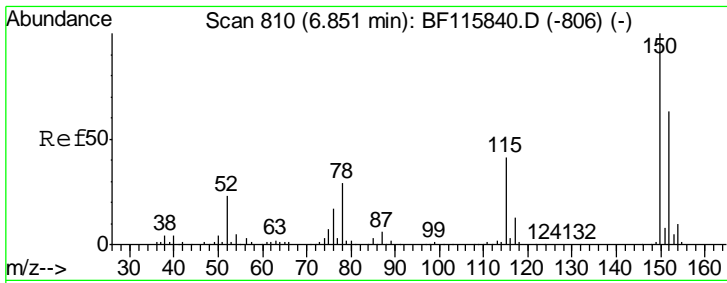
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080119\  
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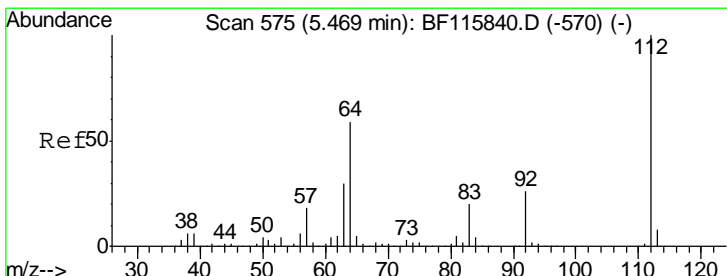
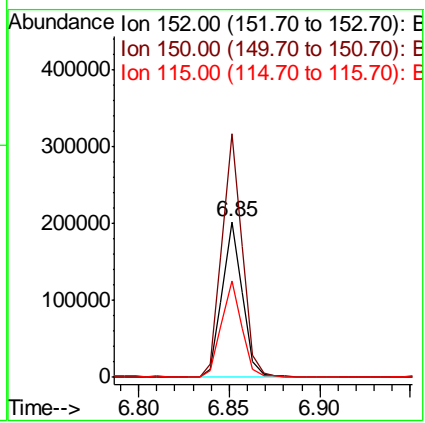
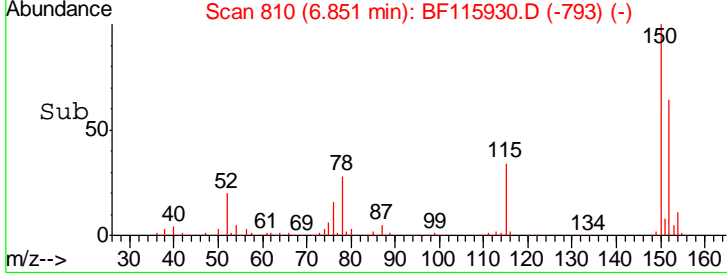
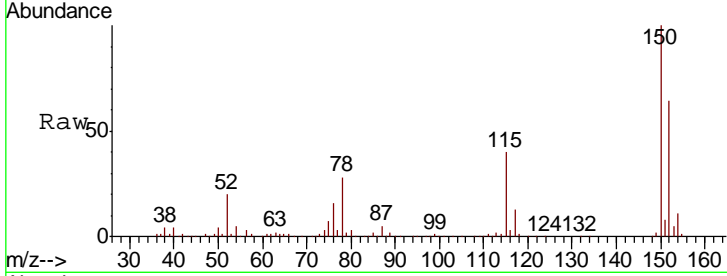


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.85 min Scan# 810  
 Delta R.T. -0.00 min  
 Lab File: BF115930.D  
 Acq: 2 Aug 2019 1:55

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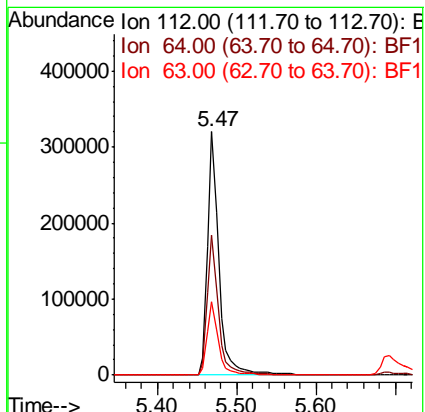
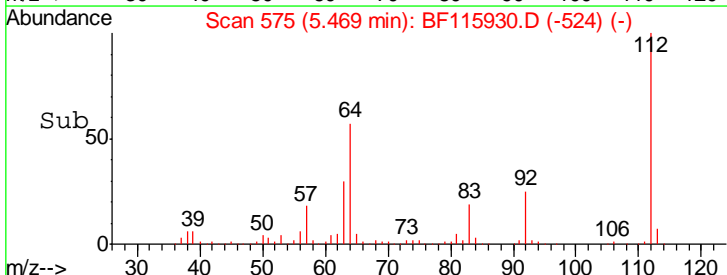
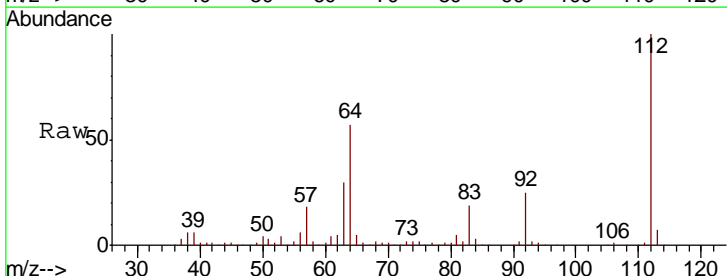
Tgt Ion	Resp	Lower	Upper
152	158759		
150	156.7	127.4	191.0
115	62.2	51.8	77.8

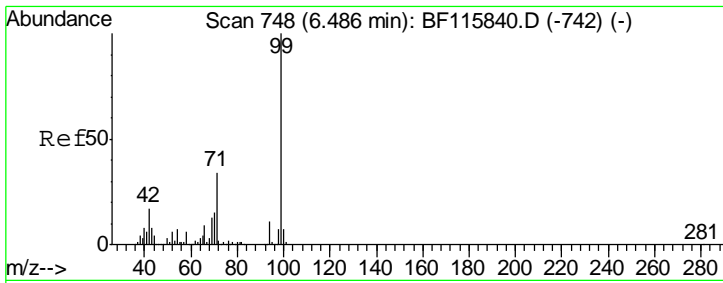
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#5  
 2-Fluorophenol  
 Concen: 34.324 ng  
 RT: 5.47 min Scan# 575  
 Delta R.T. -0.00 min  
 Lab File: BF115930.D  
 Acq: 2 Aug 2019 1:55

Tgt Ion	Resp	Lower	Upper
112	325506		
64	57.4	46.8	70.2
63	30.1	24.2	36.2





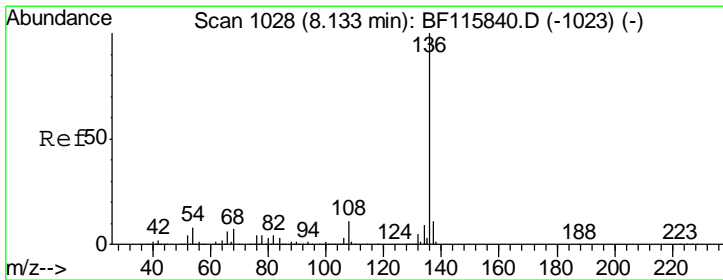
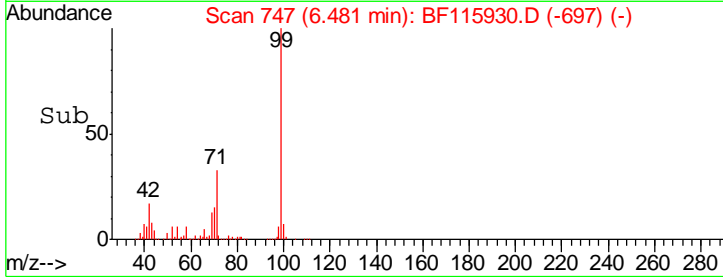
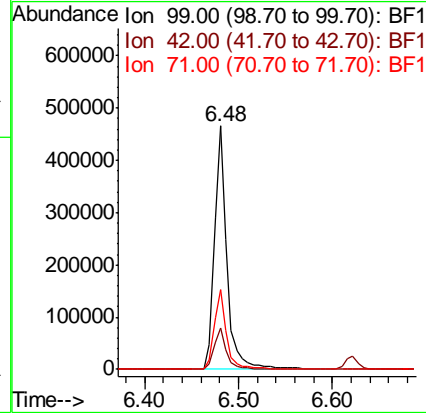
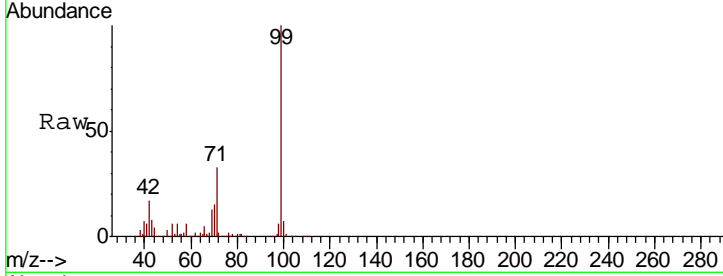
#7  
 Phenol-d6  
 Concen: 36.776 ng  
 RT: 6.48 min Scan# 747  
 Delta R.T. -0.01 min  
 Lab File: BF115930.D  
 Acq: 2 Aug 2019 1:55

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Tgt Ion	Resp	Lower	Upper
99	440023		
99	100		
42	16.9	13.8	20.6
71	32.7	27.1	40.7

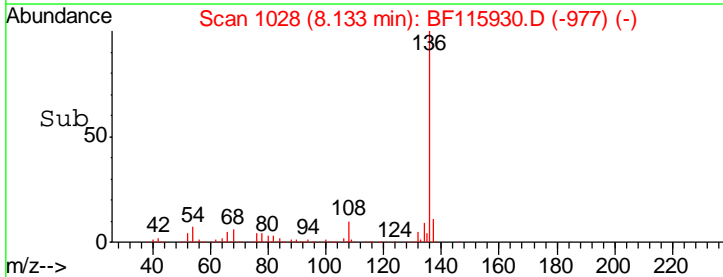
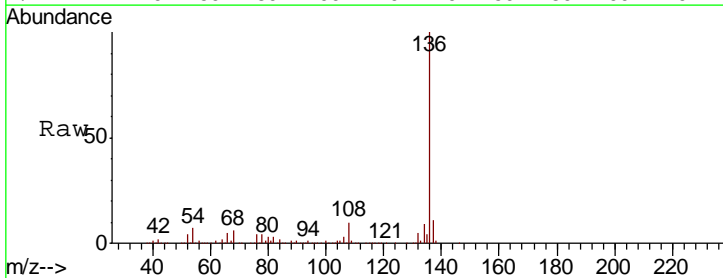
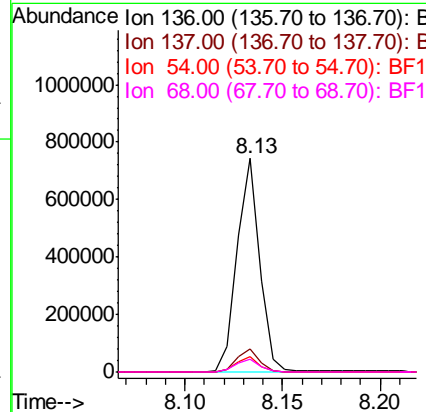
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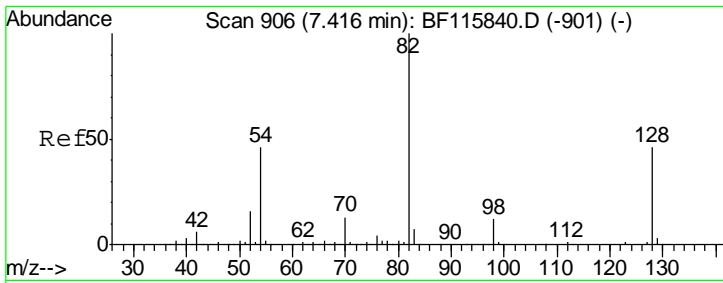
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#21  
 Naphthalene-d8  
 Concen: 20.000 ng  
 RT: 8.13 min Scan# 1028  
 Delta R.T. -0.00 min  
 Lab File: BF115930.D  
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Tgt Ion	Resp	Lower	Upper
136	598666		
136	100		
137	11.1	9.1	13.7
54	6.9	6.1	9.1
68	6.2	5.4	8.2





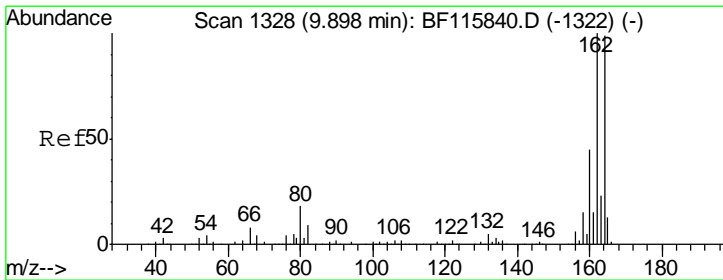
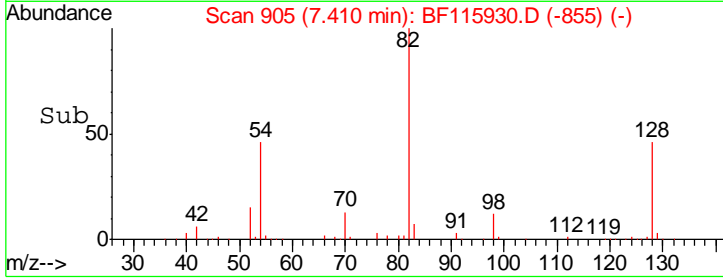
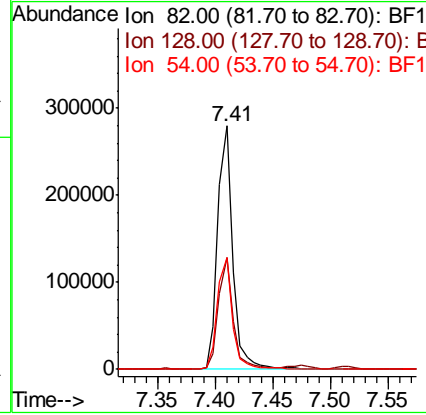
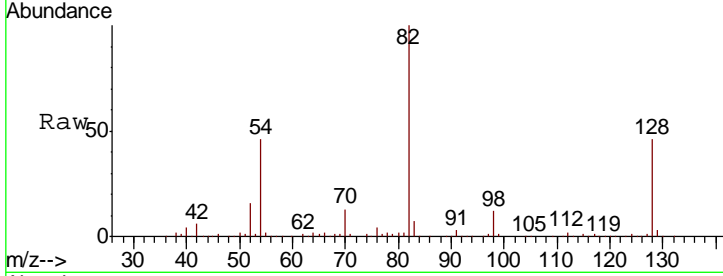
#23  
 Nitrobenzene-d5  
 Concen: 24.657 ng  
 RT: 7.41 min Scan# 905  
 Delta R.T. -0.01 min  
 Lab File: BF115930.D  
 Acq: 2 Aug 2019 1:55

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Tgt Ion	Resp	Lower	Upper
82	100		
128	46.1	36.6	55.0
54	45.8	36.6	55.0

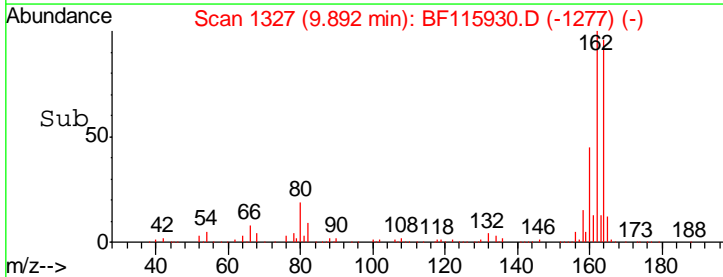
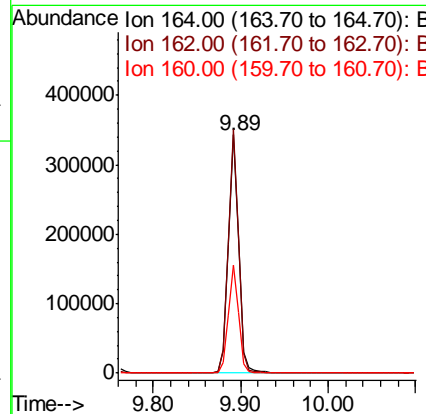
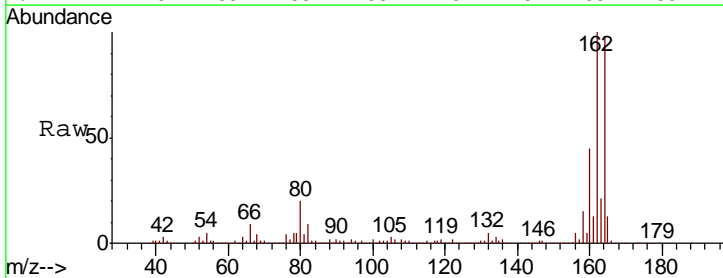
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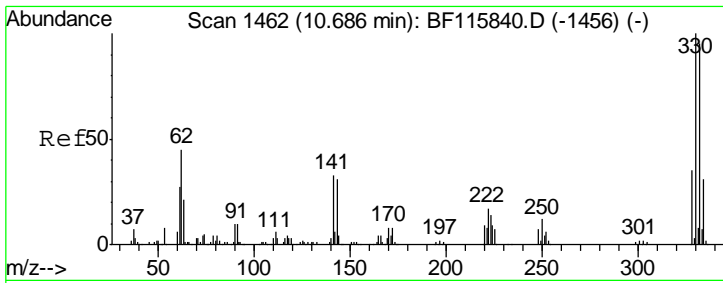
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#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.89 min Scan# 1327  
 Delta R.T. -0.01 min  
 Lab File: BF115930.D  
 Acq: 2 Aug 2019 1:55

Tgt Ion	Resp	Lower	Upper
164	100		
162	102.2	80.8	121.2
160	45.5	36.2	54.4



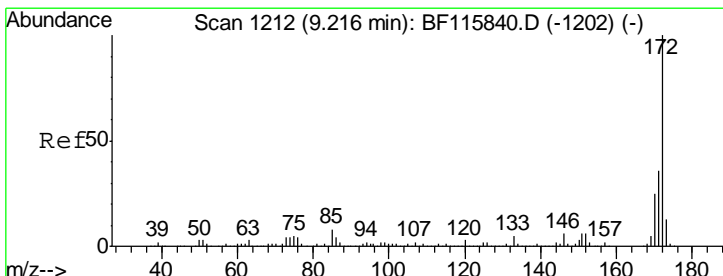
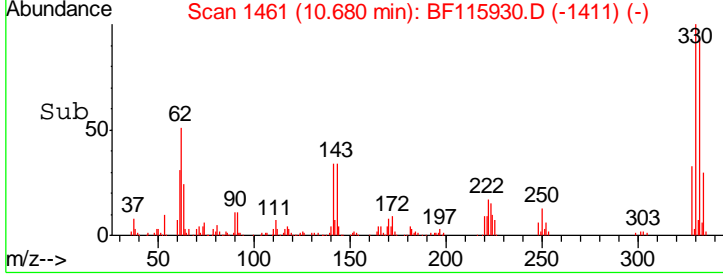
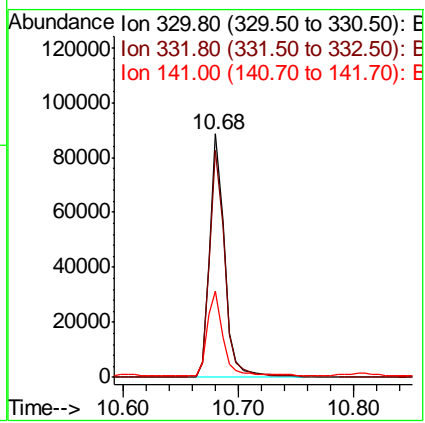
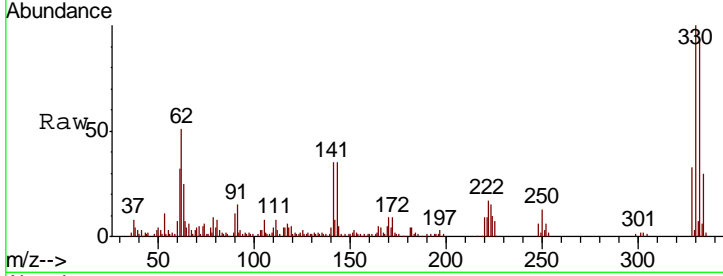


#42  
 2,4,6-Tribromophenol  
 Concen: 28.730 ng  
 RT: 10.68 min Scan# 1461  
 Delta R.T. -0.01 min  
 Lab File: BF115930.D  
 Acq: 2 Aug 2019 1:55

Instrument :  
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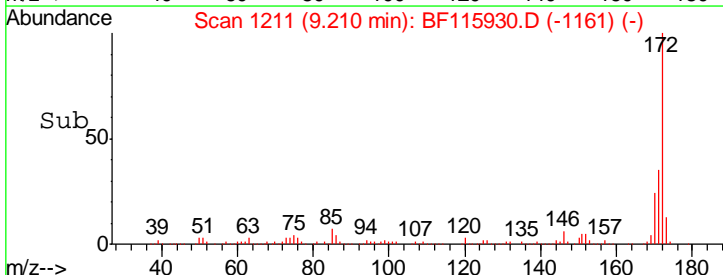
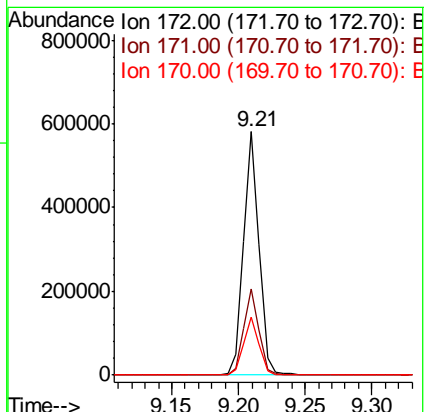
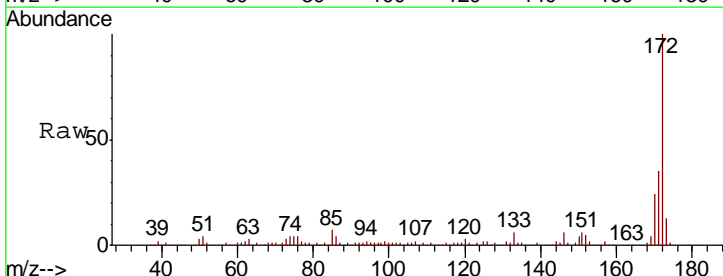
Tgt Ion	Resp	Lower	Upper
330	100		
332	95.5	77.7	116.5
141	35.8	28.1	42.1

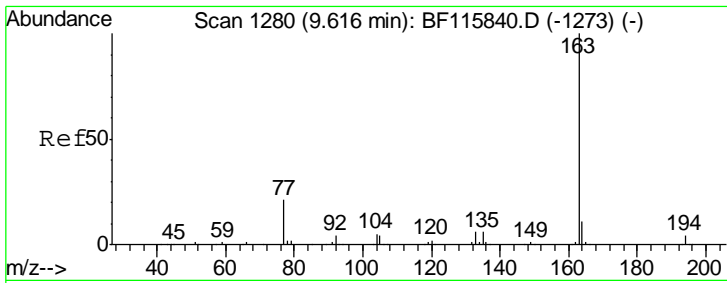
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#45  
 2-Fluorobiphenyl  
 Concen: 30.874 ng  
 RT: 9.21 min Scan# 1211  
 Delta R.T. -0.01 min  
 Lab File: BF115930.D  
 Acq: 2 Aug 2019 1:55

Tgt Ion	Resp	Lower	Upper
172	100		
171	35.4	29.1	43.7
170	24.0	20.1	30.1





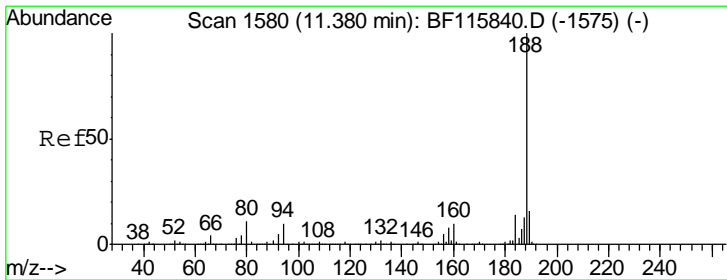
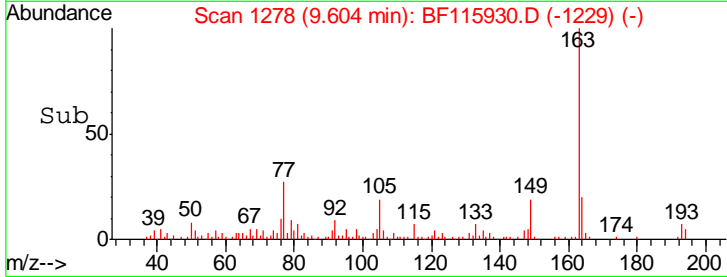
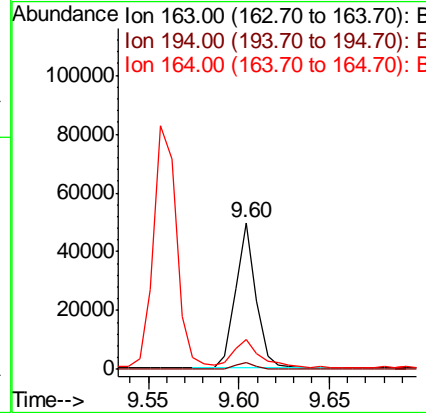
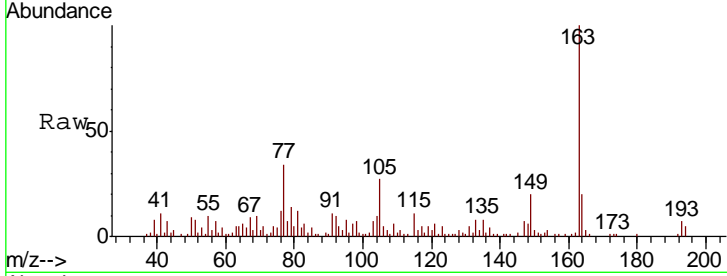
#50  
 Dimethylphthalate  
 Concen: 2.024 ng  
 RT: 9.60 min Scan# 1278  
 Delta R.T. -0.01 min  
 Lab File: BF115930.D  
 Acq: 2 Aug 2019 1:55

**Instrument :**  
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Tgt Ion	Resp	Lower	Upper
163	39296		
194	4.7	3.0	4.6#
164	20.2	8.4	12.6#

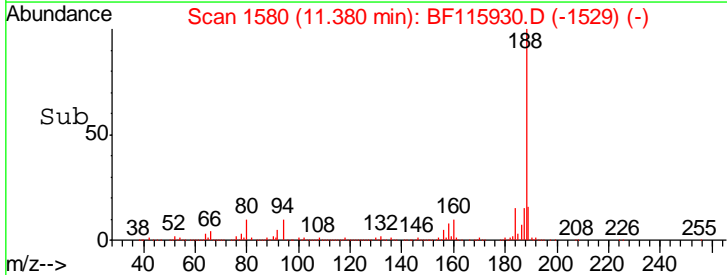
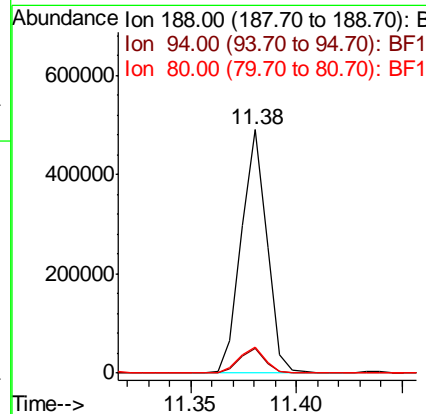
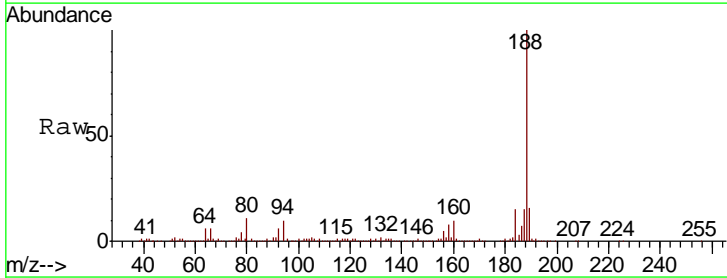
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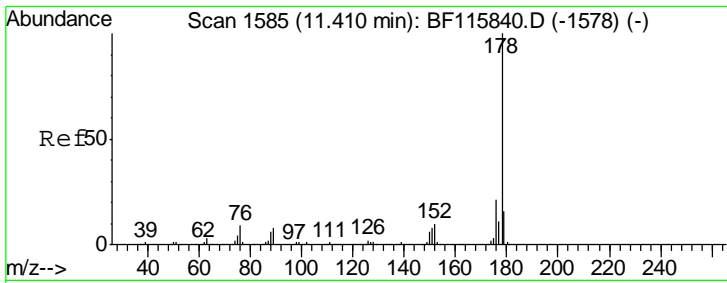
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#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.38 min Scan# 1580  
 Delta R.T. -0.00 min  
 Lab File: BF115930.D  
 Acq: 2 Aug 2019 1:55

Tgt Ion	Resp	Lower	Upper
188	410019		
94	10.0	8.0	12.0
80	10.6	8.6	12.8





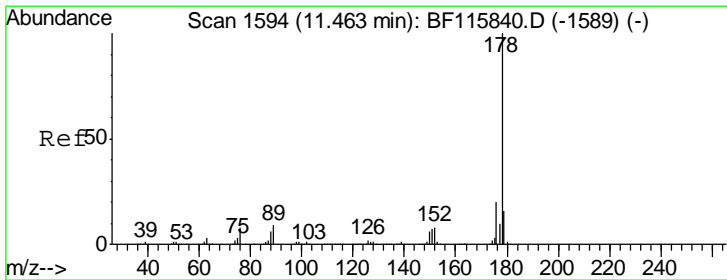
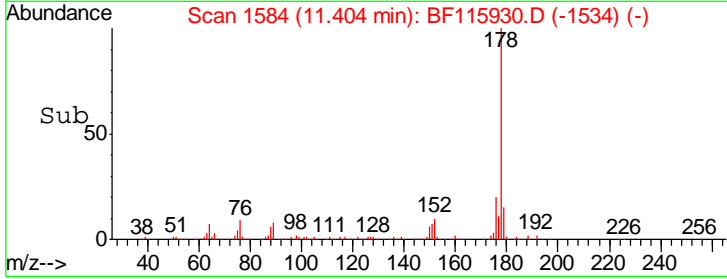
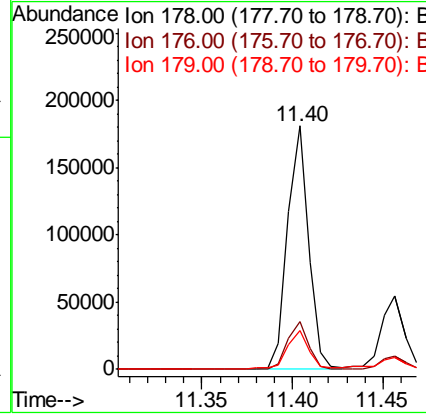
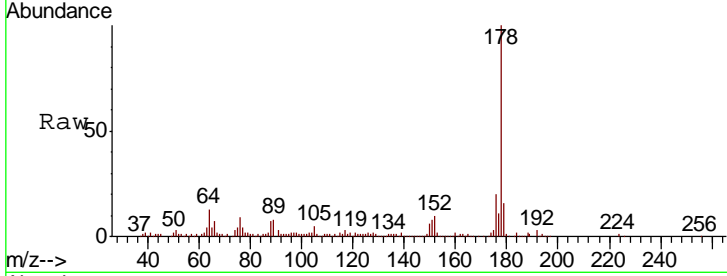
#71  
 Phenanthrene  
 Concen: 6.962 ng  
 RT: 11.40 min Scan# 1584  
 Delta R.T. -0.01 min  
 Lab File: BF115930.D  
 Acq: 2 Aug 2019 1:55

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 WC-01

Tgt Ion	Resp	Lower	Upper
178	145928		
176	19.8	16.5	24.7
179	15.7	12.6	18.8

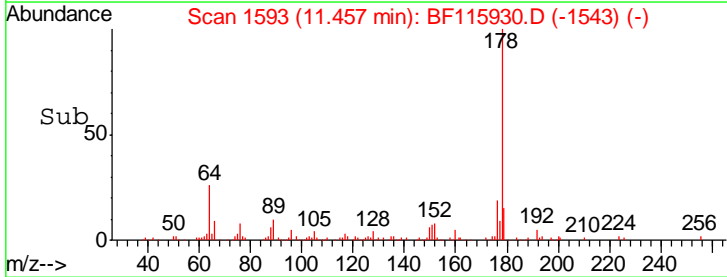
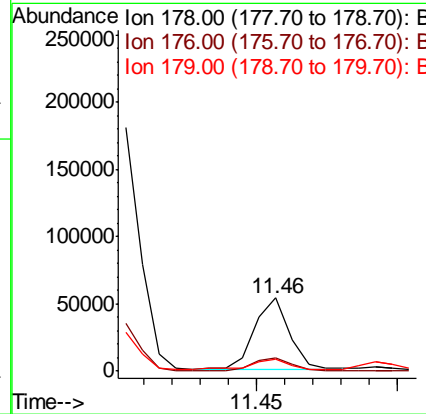
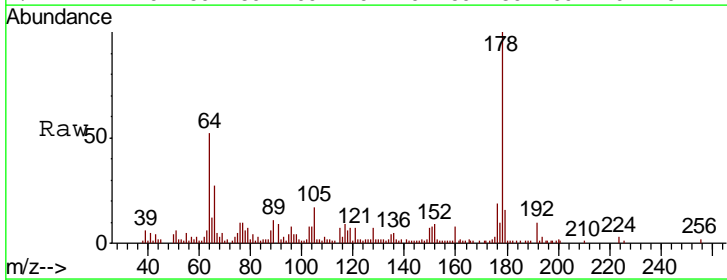
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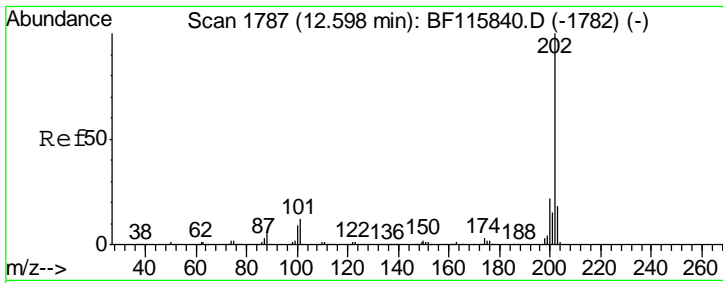


#72  
 Anthracene  
 Concen: 2.131 ng  
 RT: 11.46 min Scan# 1593  
 Delta R.T. -0.01 min  
 Lab File: BF115930.D  
 Acq: 2 Aug 2019 1:55

Tgt Ion	Resp	Lower	Upper
178	45202		
176	19.0	15.7	23.5
179	15.7	12.4	18.6







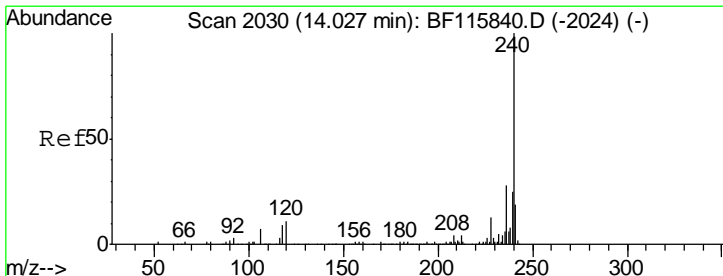
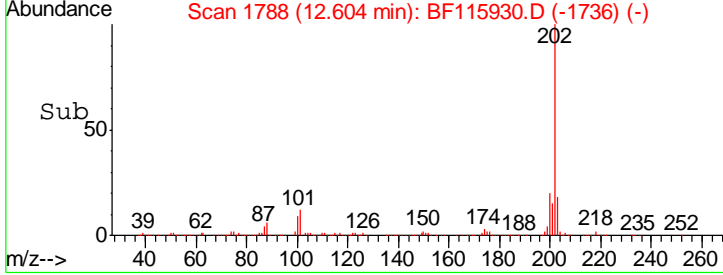
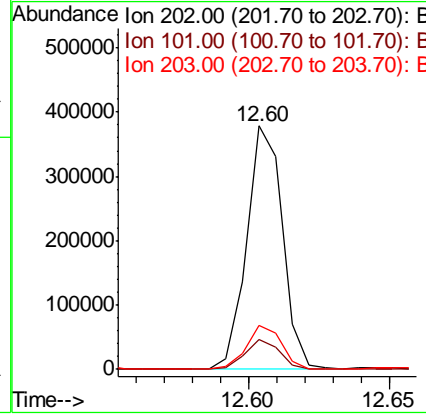
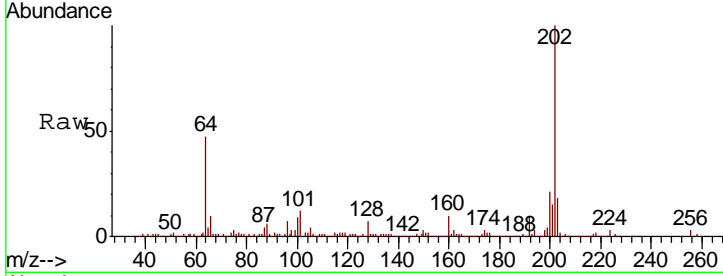
#75  
 Fluoranthene  
 Concen: 15.051 ng  
 RT: 12.60 min Scan# 1788  
 Delta R.T. 0.01 min  
 Lab File: BF115930.D  
 Acq: 2 Aug 2019 1:55

Instrument :  
 BNA\_F  
 ClientSampled :  
 WC-01

Tgt Ion	Resp	Lower	Upper
202	330278		
101	12.3	0.0	31.5
203	18.0	0.0	37.9

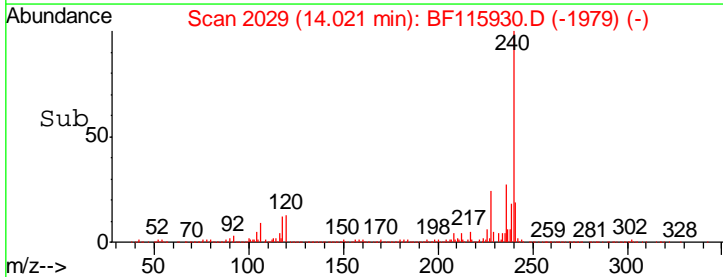
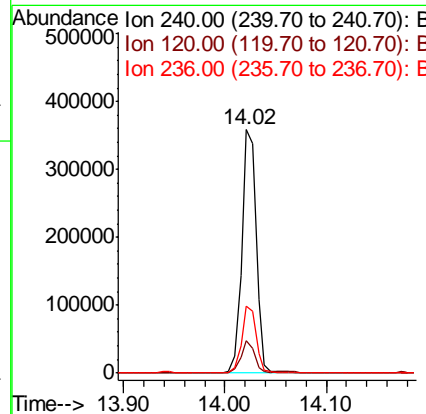
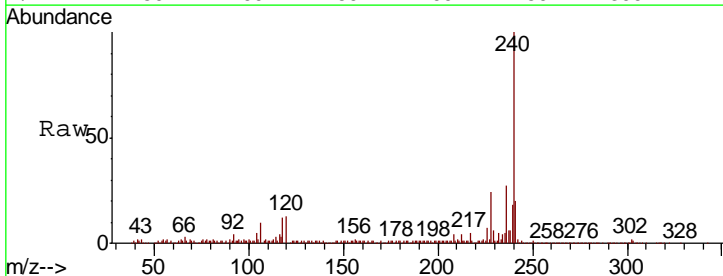
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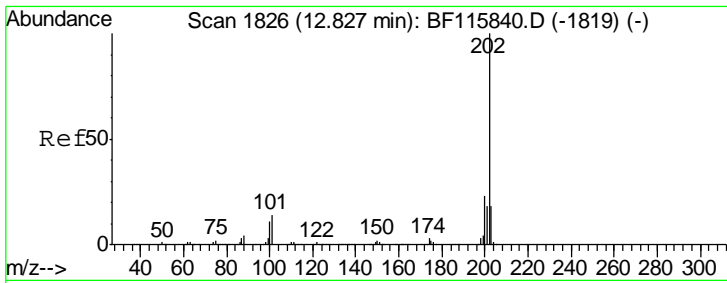
mohammad  
 8/5/2019 1:48:25 PM



#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.02 min Scan# 2029  
 Delta R.T. -0.01 min  
 Lab File: BF115930.D  
 Acq: 2 Aug 2019 1:55

Tgt Ion	Resp	Lower	Upper
240	351151		
120	13.4	8.5	12.7#
236	27.4	22.2	33.2





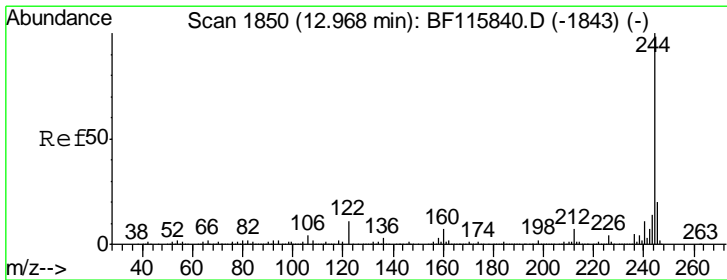
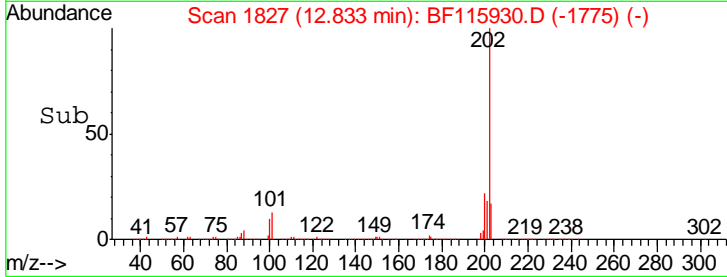
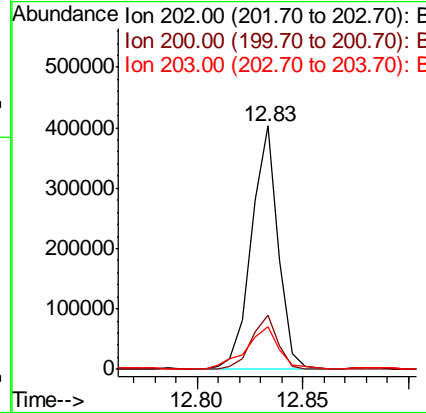
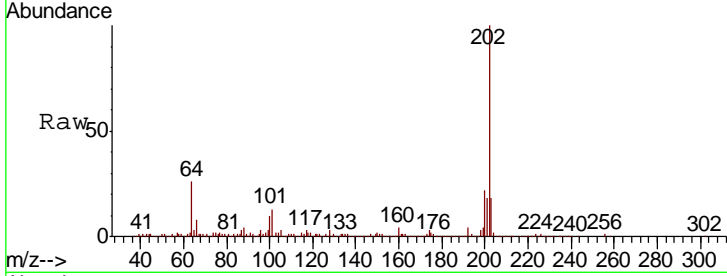
#78  
 Pyrene  
 Concen: 13.222 ng  
 RT: 12.83 min Scan# 1827  
 Delta R.T. 0.01 min  
 Lab File: BF115930.D  
 Acq: 2 Aug 2019 1:55

Instrument :  
 BNA\_F  
 ClientSampled :  
 WC-01

Tgt Ion	Resp	Lower	Upper
202	100		
200	22.1	18.2	27.2
203	17.7	14.3	21.5

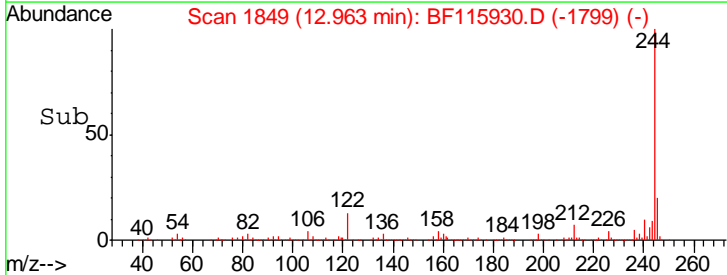
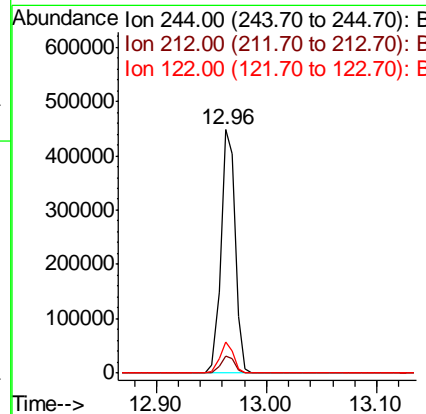
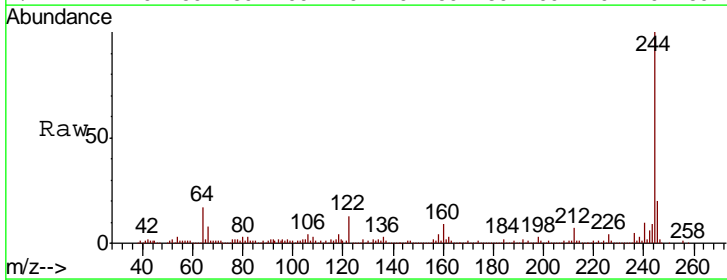
Manual Integrations  
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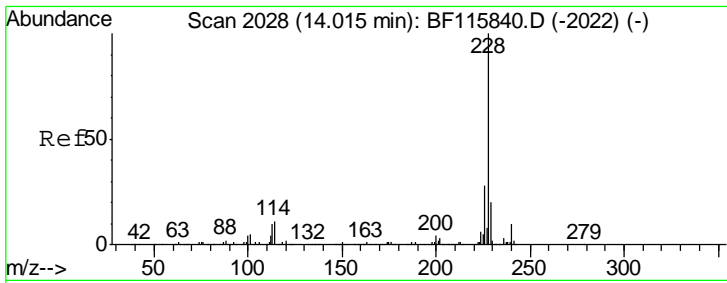
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 8/5/2019 1:48:25 PM



#79  
 Terphenyl-d14  
 Concen: 24.057 ng  
 RT: 12.96 min Scan# 1849  
 Delta R.T. -0.01 min  
 Lab File: BF115930.D  
 Acq: 2 Aug 2019 1:55

Tgt Ion	Resp	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	12.8	8.6	13.0



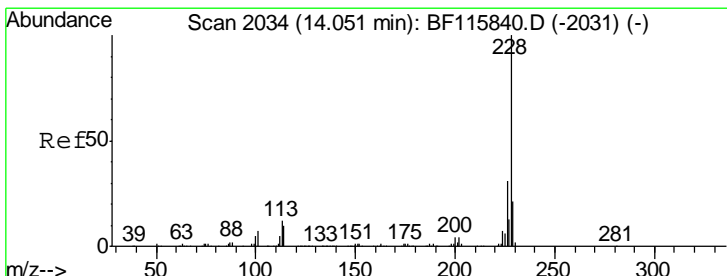
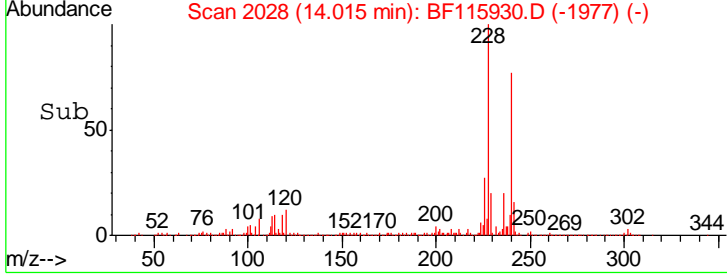
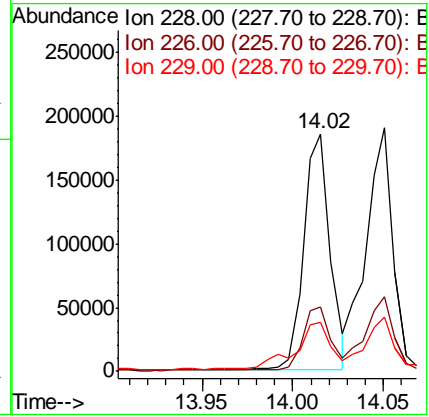
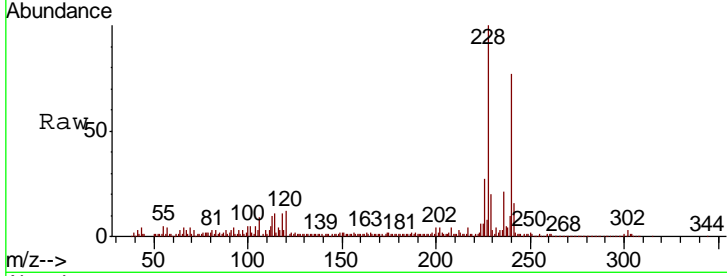


#81  
 Benzo(a)anthracene  
 Concen: 8.527 ng  
 RT: 14.02 min Scan# 2028  
 Delta R.T. -0.00 min  
 Lab File: BF115930.D  
 Acq: 2 Aug 2019 1:55

Instrument :  
 BNA\_F  
 Client Sampled :  
 WC-01

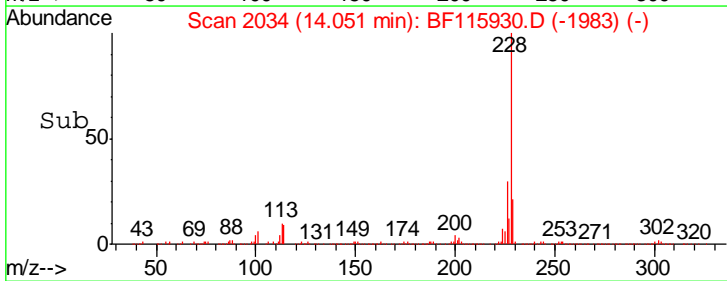
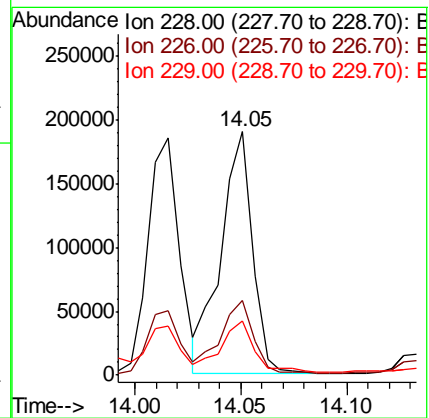
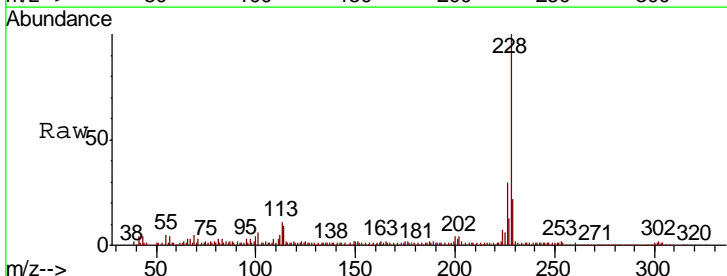
Tgt Ion	Resp	Lower	Upper
228	191386		
226	27.2	22.5	33.7
229	20.4	16.1	24.1

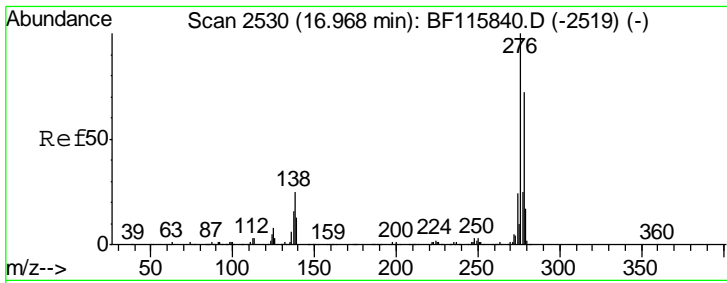
Manual Integrations  
**APPROVED**  
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#83  
 Chrysene  
 Concen: 9.052 ng  
 RT: 14.05 min Scan# 2034  
 Delta R.T. -0.00 min  
 Lab File: BF115930.D  
 Acq: 2 Aug 2019 1:55

Tgt Ion	Resp	Lower	Upper
228	197252		
226	30.4	24.8	37.2
229	22.0	16.4	24.6





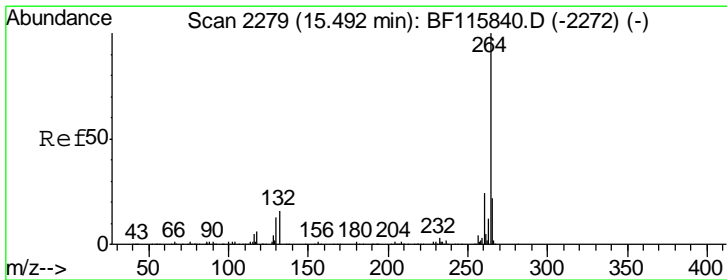
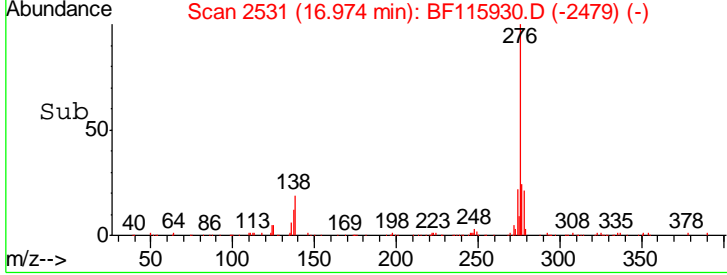
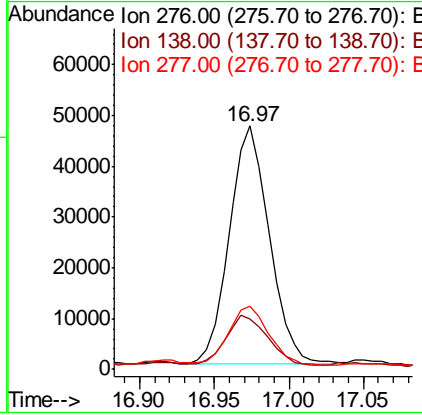
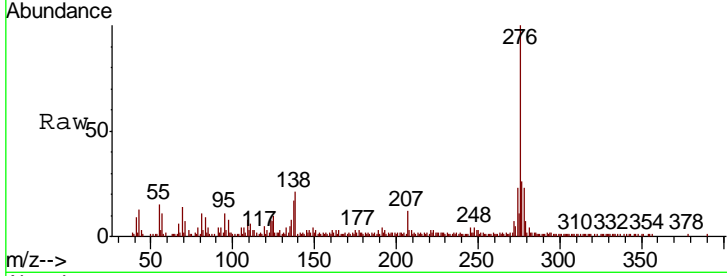
#86  
 Indeno(1,2,3-cd)pyrene  
 Concen: 4.763 ng  
 RT: 16.97 min Scan# 2531  
 Delta R.T. 0.01 min  
 Lab File: BF115930.D  
 Acq: 2 Aug 2019 1:55

Instrument :  
 BNA\_F  
 ClientSampled :  
 WC-01

Tgt Ion	Resp	Lower	Upper
276	100		
138	22.6	19.6	29.4
277	25.0	20.1	30.1

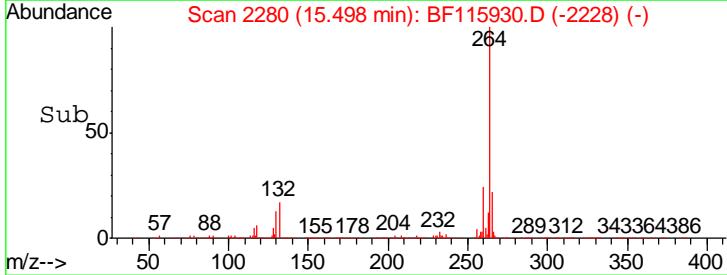
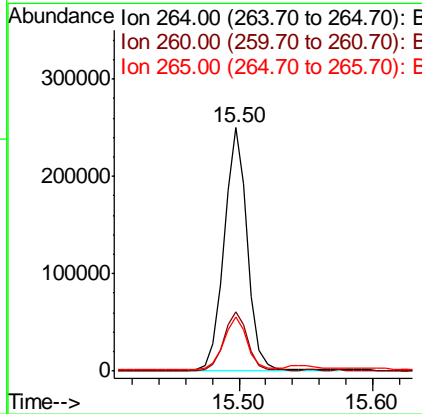
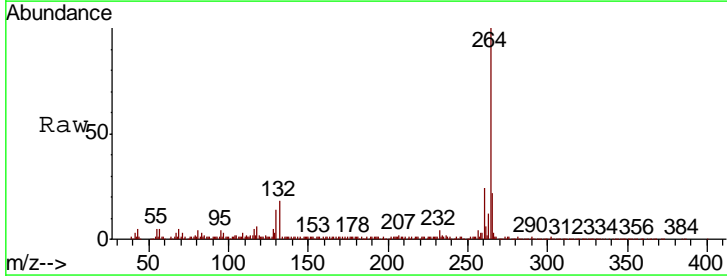
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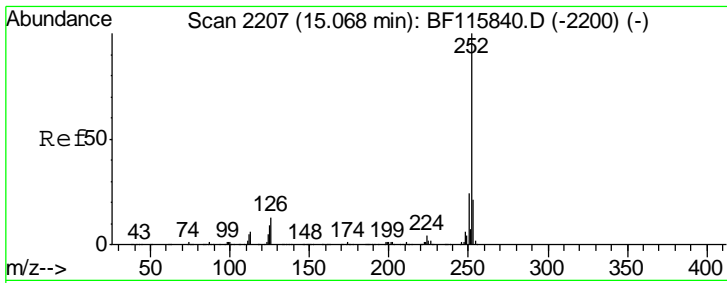
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#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.50 min Scan# 2280  
 Delta R.T. 0.01 min  
 Lab File: BF115930.D  
 Acq: 2 Aug 2019 1:55

Tgt Ion	Resp	Lower	Upper
264	100		
260	24.4	19.4	29.2
265	22.3	17.5	26.3





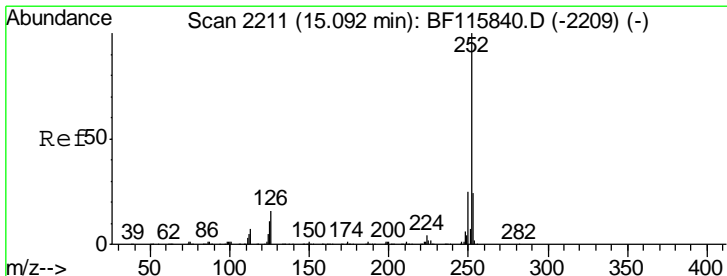
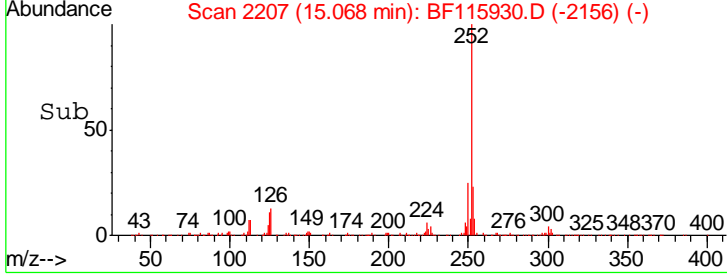
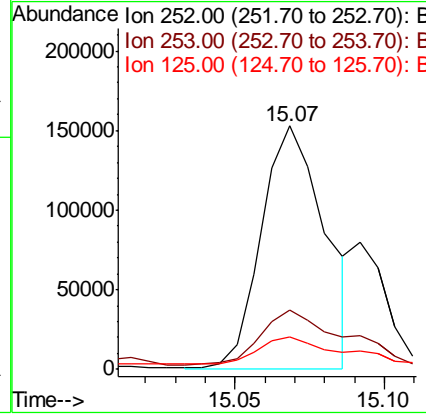
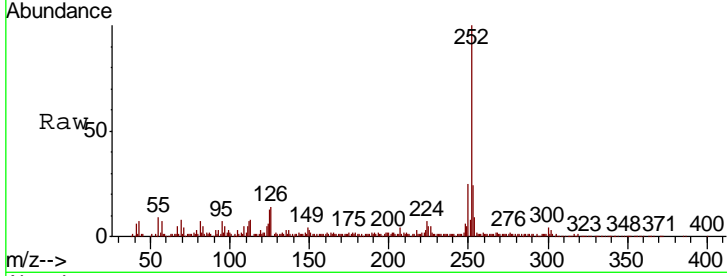
#88  
 Benzo(b)fluoranthene  
 Concen: 12.868 ng m  
 RT: 15.07 min Scan# 2207  
 Delta R.T. -0.00 min  
 Lab File: BF115930.D  
 Acq: 2 Aug 2019 1:55

Instrument :  
 BNA\_F  
 ClientSampled :  
 WC-01

Tgt Ion	Resp	Lower	Upper
252	100		
253	24.2	17.2	25.8
125	13.3	7.4	11.0#

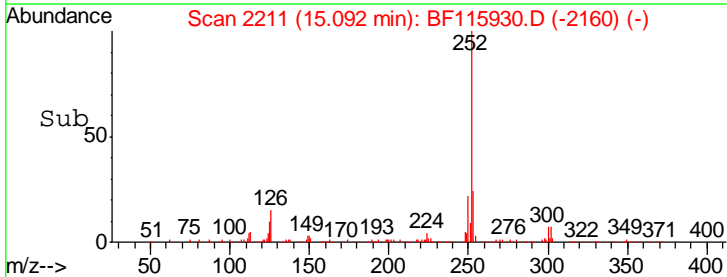
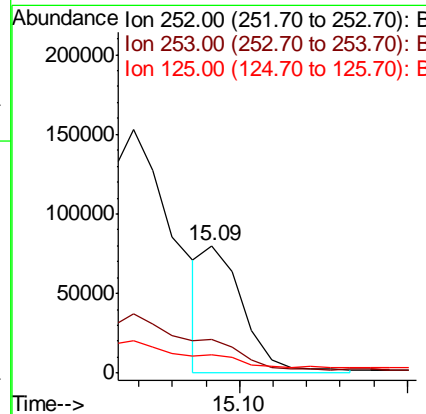
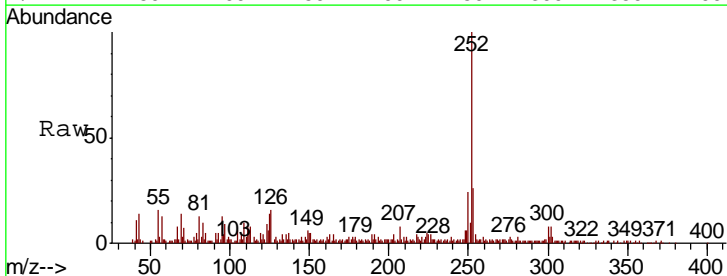
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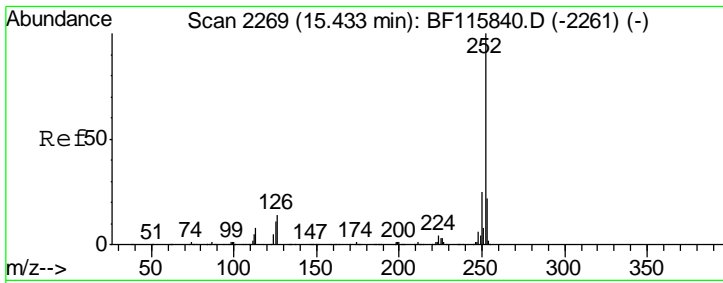
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#89  
 Benzo(k)fluoranthene  
 Concen: 3.906 ng m  
 RT: 15.09 min Scan# 2211  
 Delta R.T. -0.00 min  
 Lab File: BF115930.D  
 Acq: 2 Aug 2019 1:55

Tgt Ion	Resp	Lower	Upper
252	100		
253	26.0	18.2	27.4
125	13.9	8.9	13.3#





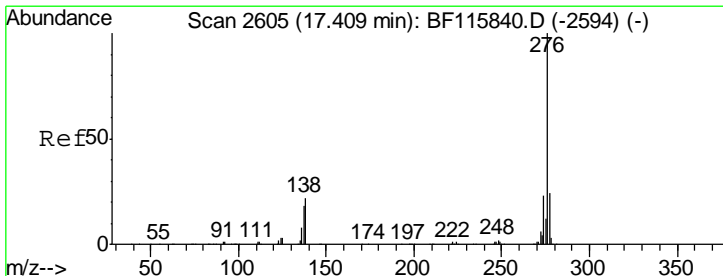
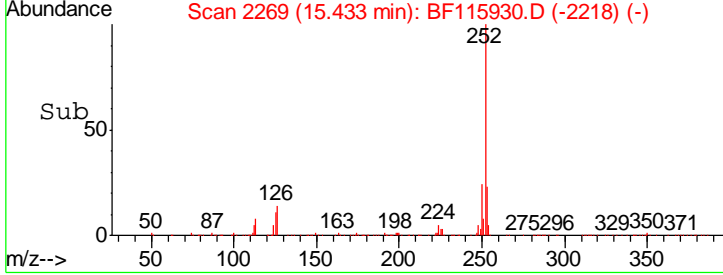
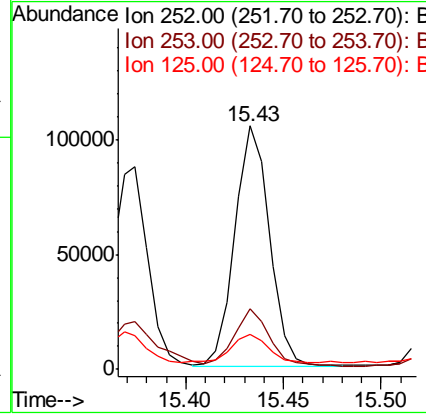
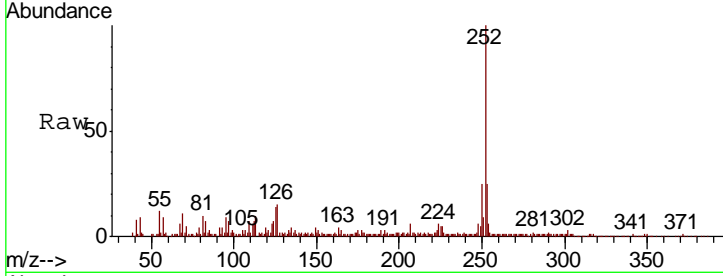
#90  
 Benzo(a)pyrene  
 Concen: 8.268 ng  
 RT: 15.43 min Scan# 2269  
 Delta R.T. -0.00 min  
 Lab File: BF115930.D  
 Acq: 2 Aug 2019 1:55

Instrument :  
 BNA\_F  
 ClientSampled :  
 WC-01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.8	26.6
125	14.1	8.8	13.2#

Manual Integrations  
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#92  
 Benzo(g,h,i)perylene  
 Concen: 6.684 ng  
 RT: 17.42 min Scan# 2607  
 Delta R.T. 0.01 min  
 Lab File: BF115930.D  
 Acq: 2 Aug 2019 1:55

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.5	29.3
138	23.5	17.8	26.8

