

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112718\
 Data File : BF111018.D
 Acq On : 27 Nov 2018 19:09
 Operator : JU/SJ
 Sample : J6051-02 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-02

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Quant Time: Nov 28 01:26:30 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF112618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 27 15:32:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	
1) 1,4-Dichlorobenzene-d4	6.94	152	46242	20.00	ng	0.00	
21) Naphthalene-d8	8.22	136	181513	20.00	ng	0.00	
39) Acenaphthene-d10	9.98	164	75192	20.00	ng	0.00	
64) Phenanthrene-d10	11.48	188	141250	20.00	ng	0.00	
76) Chrysene-d12	14.13	240	108212	20.00	ng	0.00	
87) Perylene-d12	15.67	264	73693	20.00	ng	0.00	
System Monitoring Compounds							
5) 2-Fluorophenol	5.58	112	25446	9.13	ng	0.03	
7) Phenol-d6	6.59	99	34301	9.44	ng	0.02	
23) Nitrobenzene-d5	7.53	82	18056	5.69	ng	0.02	
42) 2,4,6-Tribromophenol	10.79	330	6263	8.39	ng	0.00	
45) 2-Fluorobiphenyl	9.30	172	34948	6.73	ng	0.00	
79) Terphenyl-d14	13.06	244	31365	5.64	ng	0.00	
Target Compounds							
49) Acenaphthylene	9.85	152	29357	4.107	ng		97
71) Phenanthrene	11.50	178	102157	13.656	ng		97
72) Anthracene	11.56	178	38361	5.035	ng		98
75) Fluoranthene	12.70	202	175304	22.800	ng		99
78) Pyrene	12.93	202	160698	20.332	ng		97
81) Benzo(a)anthracene	14.13	228	77504	12.131	ng		97
83) Chrysene	14.16	228	60390	9.602	ng		98
86) Indeno(1,2,3-cd)pyrene	17.28	276	27499	6.091	ng		99
88) Benzo(b)fluoranthene	15.22	252	61792m	14.273	ng		
89) Benzo(k)fluoranthene	15.24	252	17770m	3.988	ng		
90) Benzo(a)pyrene	15.61	252	45450	11.279	ng	#	96
91) Dibenzo(a,h)anthracene	17.27	278	8329	2.505	ng	#	79
92) Benzo(a,h,i)perylene	17.77	276	24348	7.595	ng	#	93

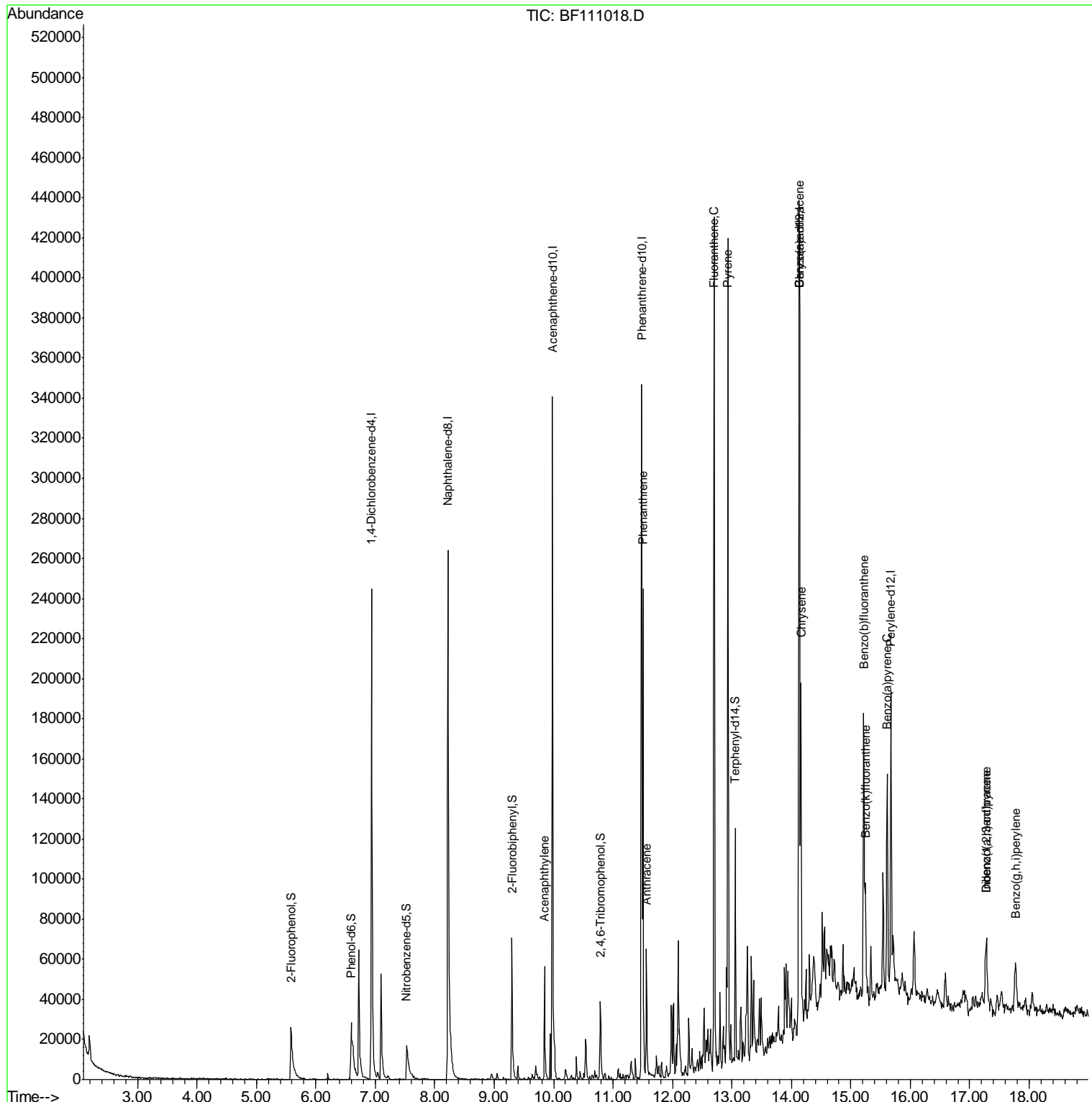
(#) = qualifier out of range (m) = manual integration (+) = signals summed

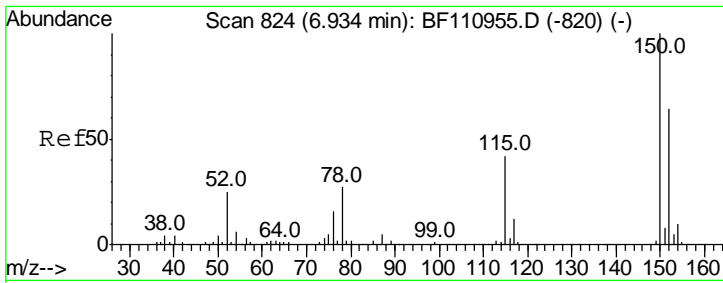
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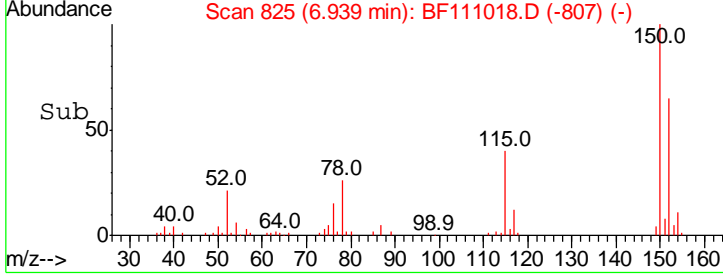
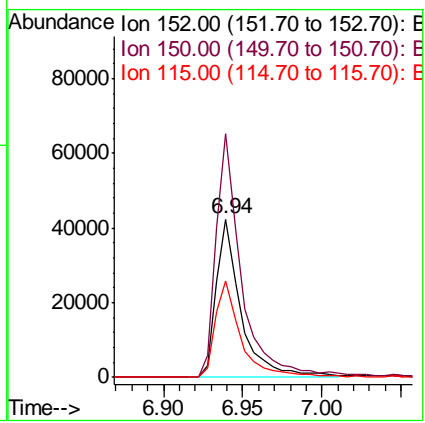
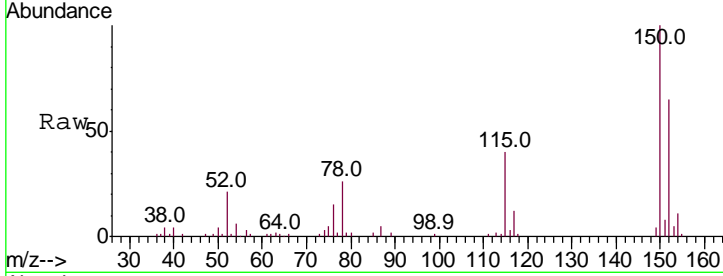
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.94 min Scan# 825
 Delta R.T. 0.01 min
 Lab File: BF111018.D
 Acq: 27 Nov 2018 19:09

Instrument :
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Tot Ion:152 Resp: 46242

Ion	Ratio	Lower	Upper
152	100		
150	154.2	122.7	184.1
115	61.0	49.1	73.7

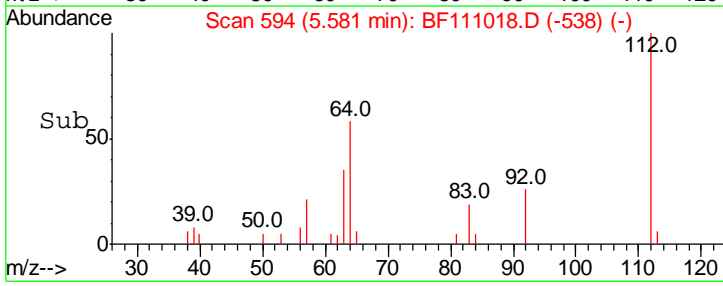
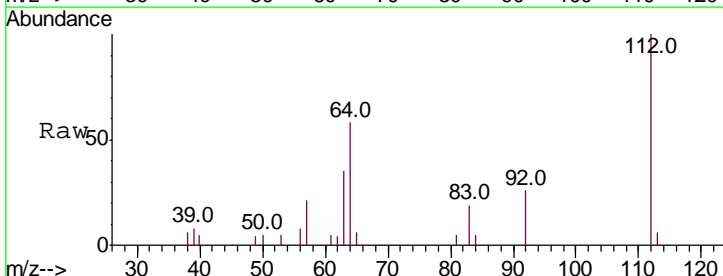
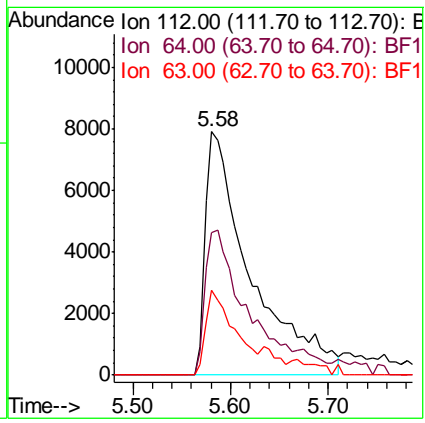
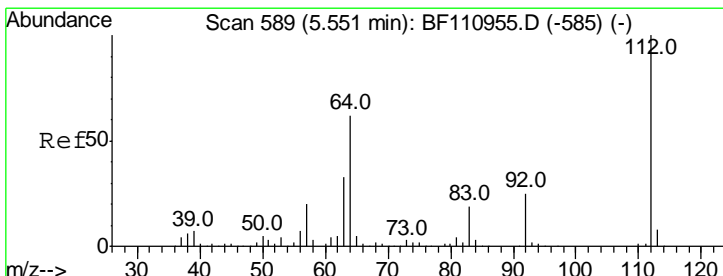
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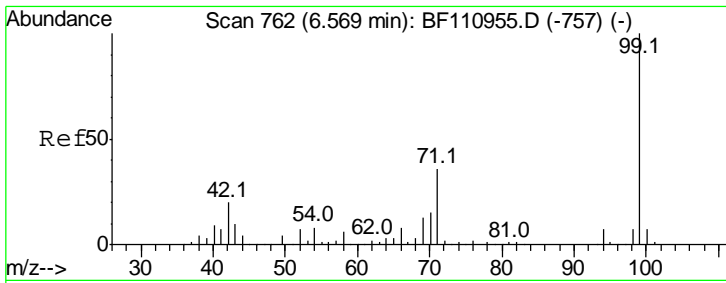


#5
 2-Fluorophenol
 Concen: 9.125 ng
 RT: 5.58 min Scan# 594
 Delta R.T. 0.03 min
 Lab File: BF111018.D
 Acq: 27 Nov 2018 19:09

Tgt Ion:112 Resp: 25446

Ion	Ratio	Lower	Upper
112	100		
64	58.4	44.1	66.1
63	34.6	23.7	35.5





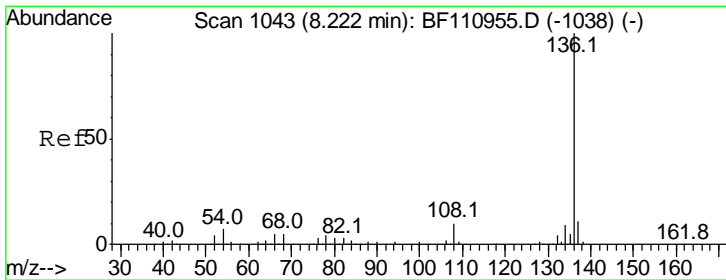
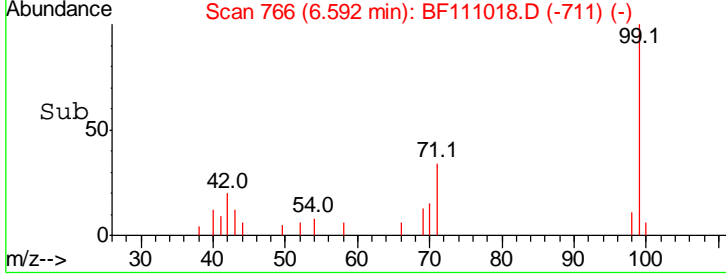
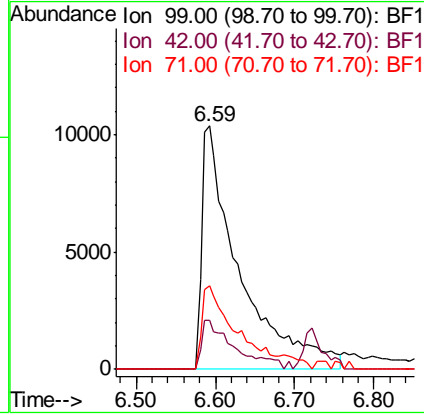
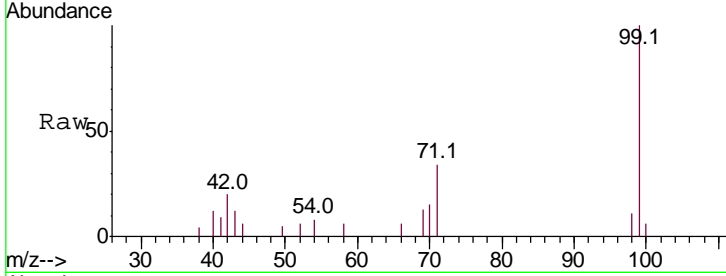
#7
 Phenol-d6
 Concen: 9.439 ng
 RT: 6.59 min Scan# 766
 Delta R.T. 0.02 min
 Lab File: BF111018.D
 Acq: 27 Nov 2018 19:09

Instrument :
 BNA_F
 ClientSampled :
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Tgt Ion	Resp	Lower	Upper
99	34301		
99	100		
42	20.3	15.8	23.6
71	34.2	28.0	42.0

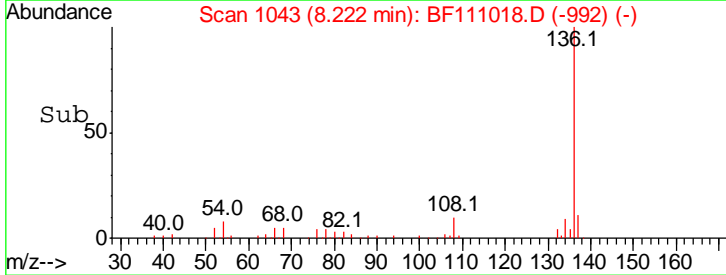
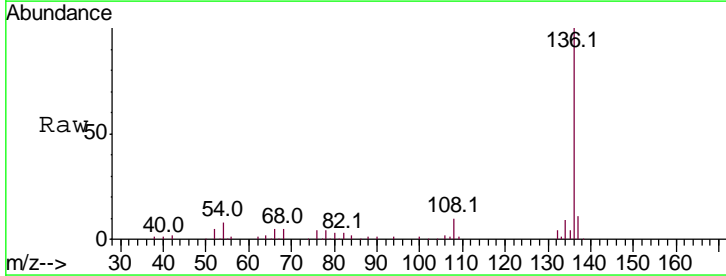
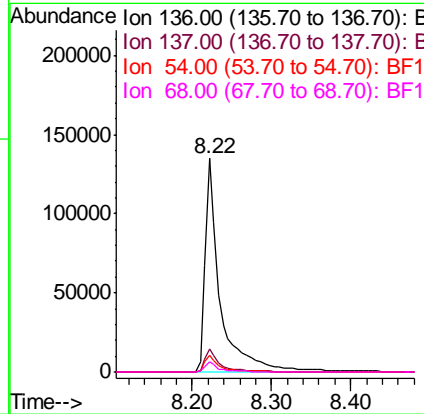
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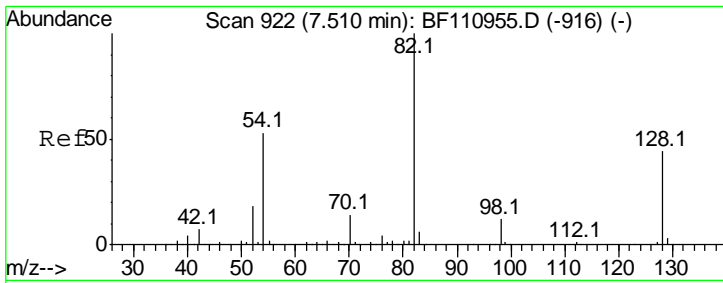
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#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 8.22 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: BF111018.D
 Acq: 27 Nov 2018 19:09

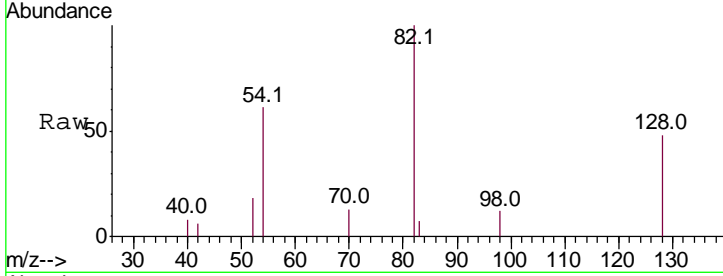
Tgt Ion	Resp	Lower	Upper
136	181513		
136	100		
137	11.0	8.8	13.2
54	7.8	5.4	8.2
68	4.6	4.2	6.2





#23
 Nitrobenzene-d5
 Concen: 5.693 ng
 RT: 7.53 min Scan# 925
 Delta R.T. 0.02 min
 Lab File: BF111018.D
 Acq: 27 Nov 2018 19:09

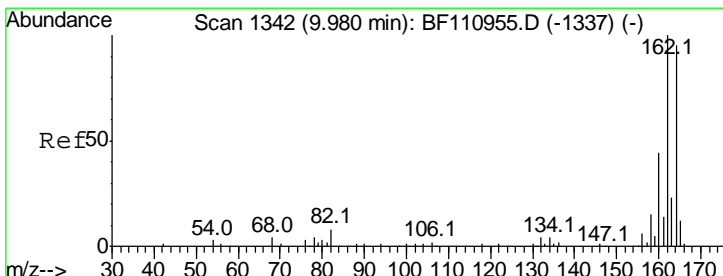
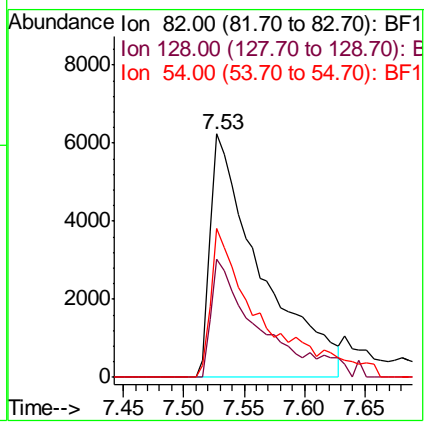
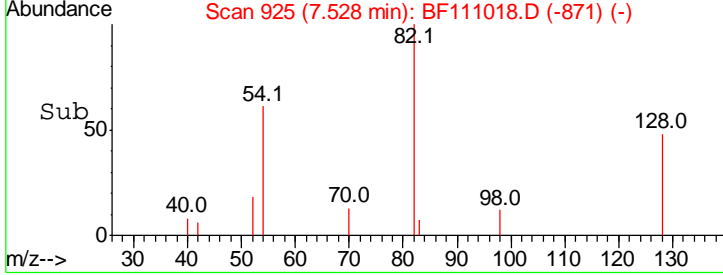
Instrument :
 BNA_F
ClientSampled :
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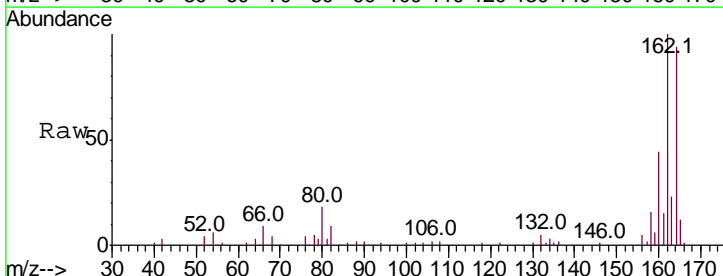
Tgt Ion: 82 Resp: 18056

Ion	Ratio	Lower	Upper
82	100		
128	48.3	34.2	51.2
54	61.1	38.6	58.0

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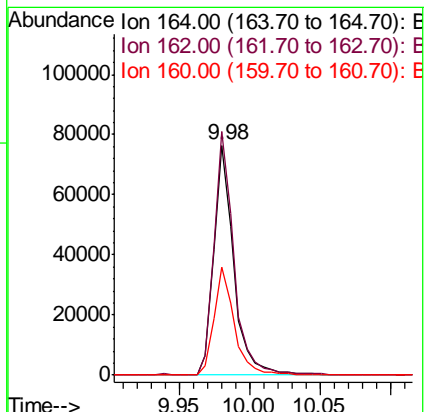
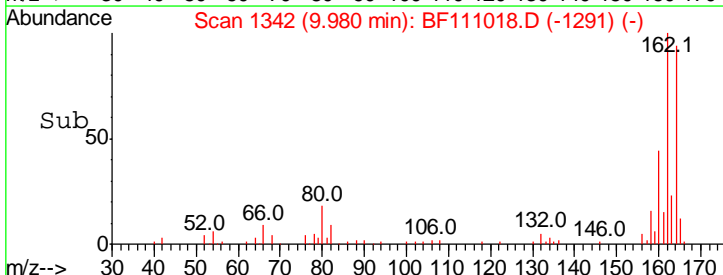


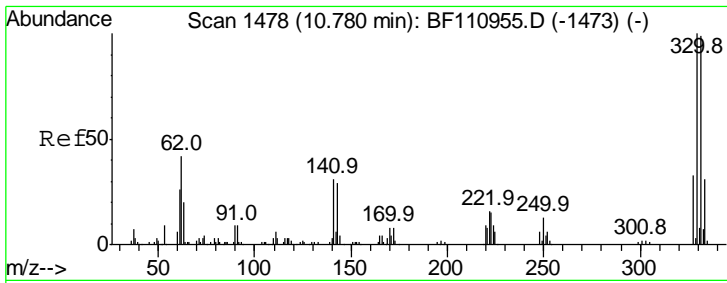
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. -0.00 min
 Lab File: BF111018.D
 Acq: 27 Nov 2018 19:09



Tgt Ion: 164 Resp: 75192

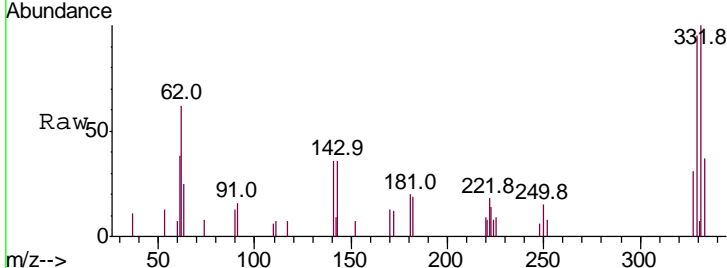
Ion	Ratio	Lower	Upper
164	100		
162	105.9	83.0	124.6
160	46.8	37.0	55.6





#42
 2,4,6-Tribromophenol
 Concen: 8.387 ng
 RT: 10.79 min Scan# 1479
 Delta R.T. 0.01 min
 Lab File: BF111018.D
 Acq: 27 Nov 2018 19:09

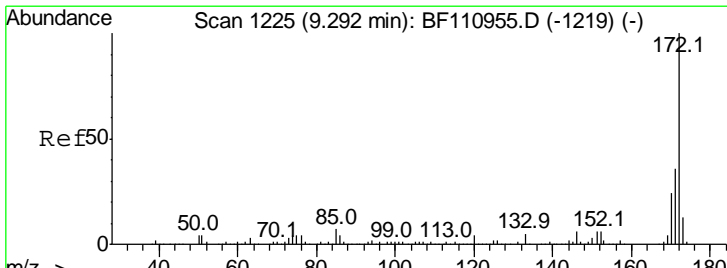
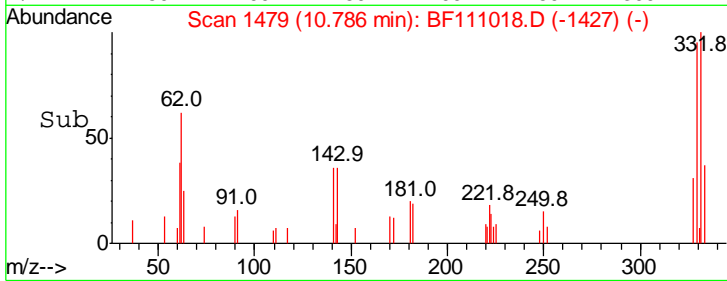
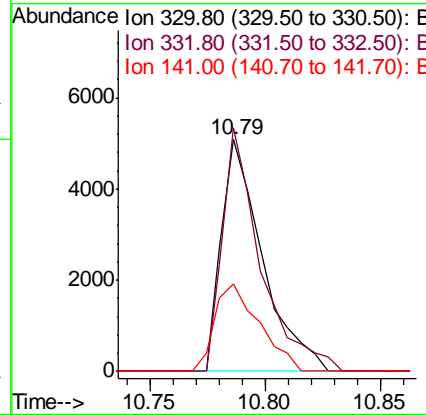
Instrument :
 BNA_F
 ClientSampled :
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Tgt Ion	Resp	Lower	Upper
330	100		
332	97.3	77.1	115.7
141	41.2	27.0	40.4

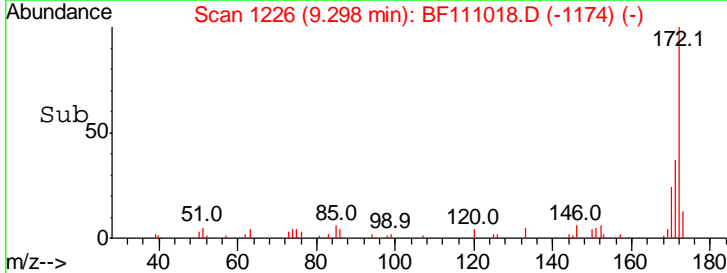
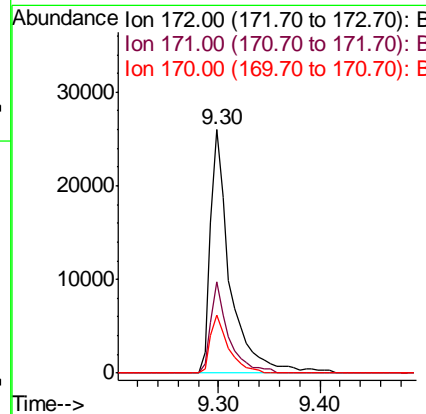
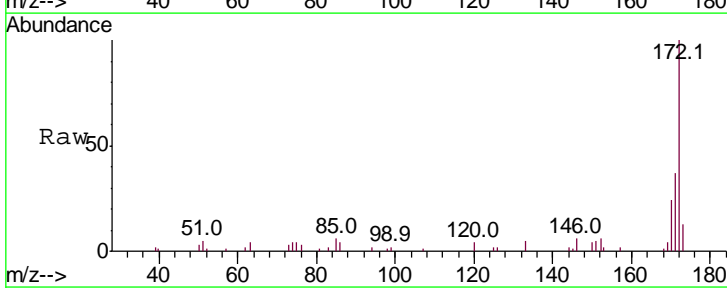
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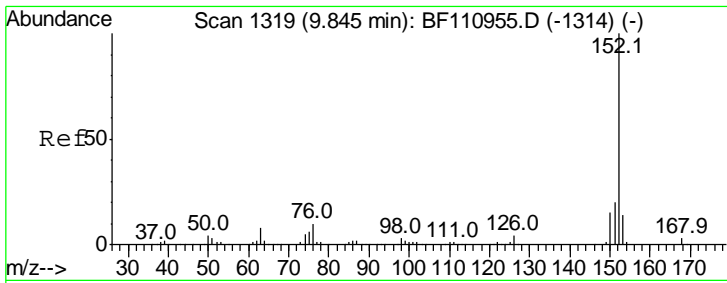
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#45
 2-Fluorobiphenyl
 Concen: 6.734 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. 0.01 min
 Lab File: BF111018.D
 Acq: 27 Nov 2018 19:09

Tgt Ion	Resp	Lower	Upper
172	100		
171	37.3	28.6	43.0
170	23.7	19.7	29.5



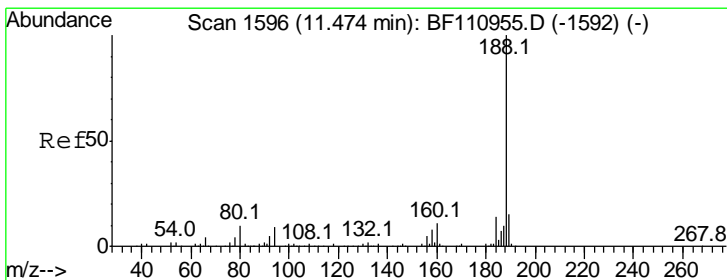
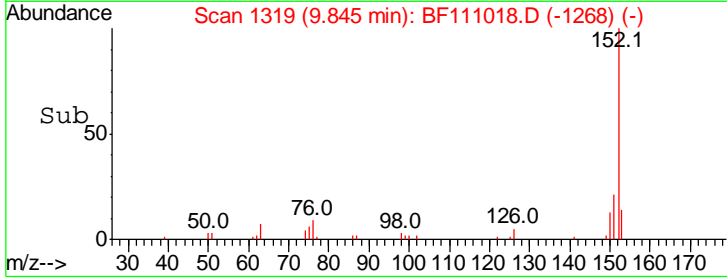
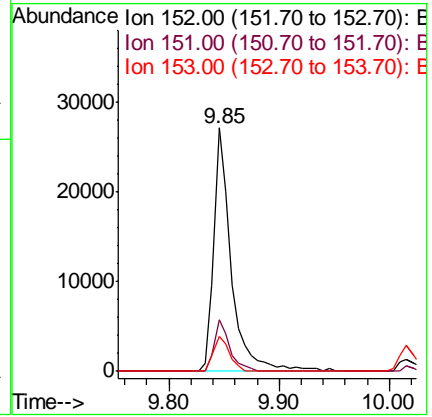
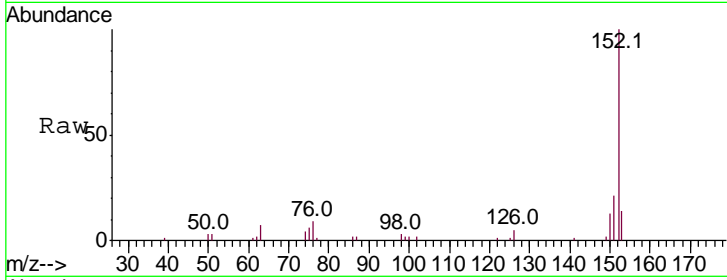


#49
 Acenaphthylene
 Concen: 4.107 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.00 min
 Lab File: BF111018.D
 Acq: 27 Nov 2018 19:09

Tgt Ion	Resp	Lower	Upper
152	100		
151	21.1	15.8	23.8
153	14.2	10.4	15.6

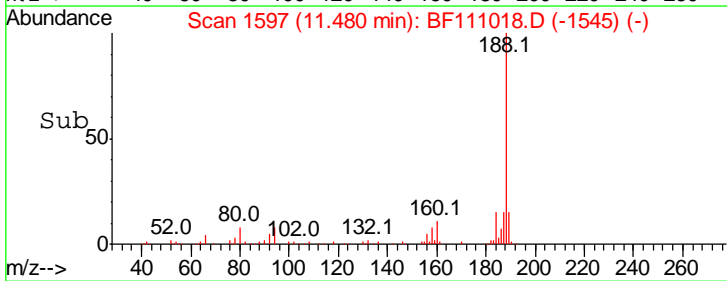
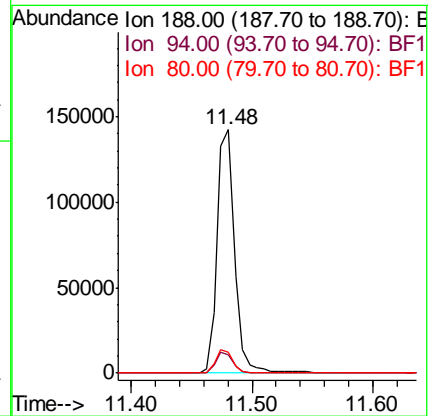
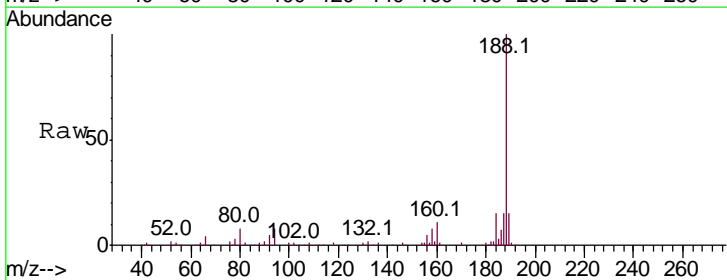
Instrument :
 BNA_F
 ClientSampled :
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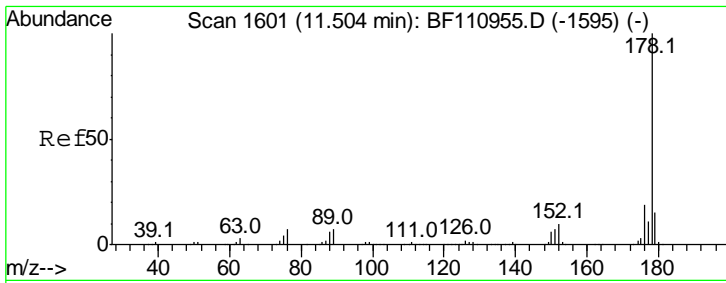
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. 0.01 min
 Lab File: BF111018.D
 Acq: 27 Nov 2018 19:09

Tgt Ion	Resp	Lower	Upper
188	100		
94	7.7	7.2	10.8
80	8.4	7.9	11.9





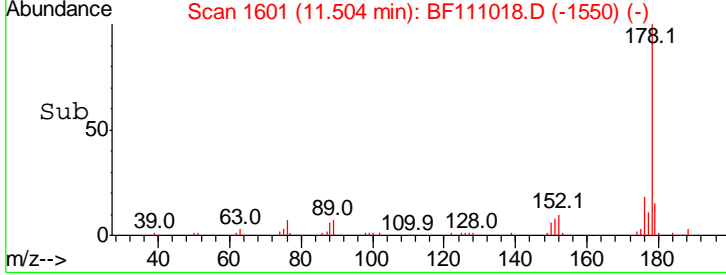
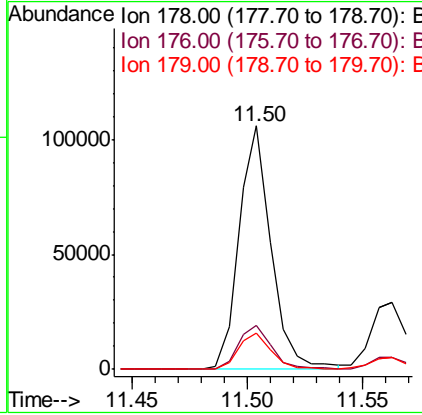
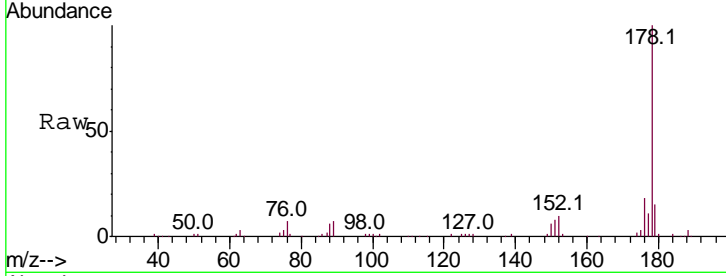
#71
 Phenanthrene
 Concen: 13.656 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. -0.00 min
 Lab File: BF111018.D
 Acq: 27 Nov 2018 19:09

Instrument :
 BNA_F
ClientSampled :
 SS-02

Tgt Ion	Resp	Lower	Upper
178	102157		
176	17.9	15.5	23.3
179	14.7	12.5	18.7

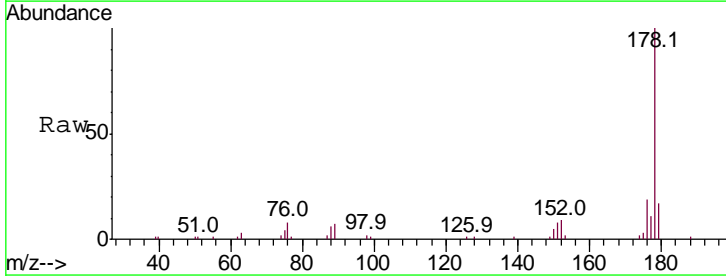
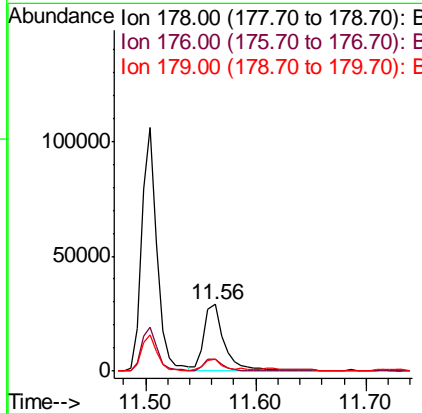
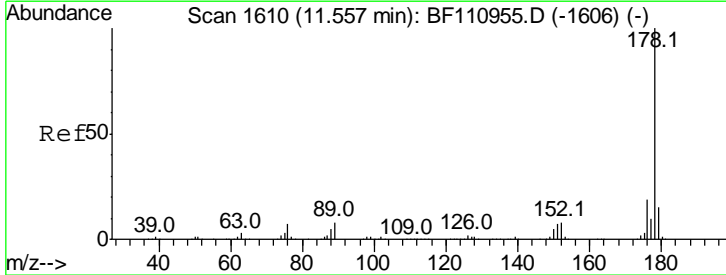
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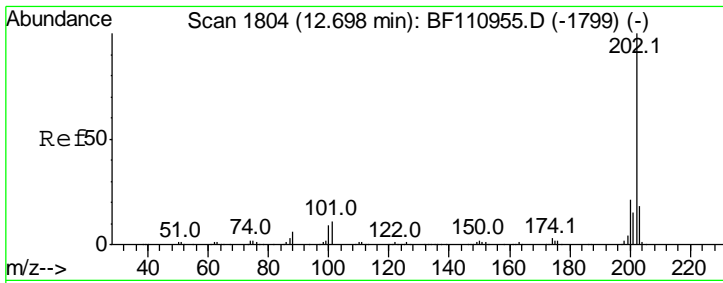
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#72
 Anthracene
 Concen: 5.035 ng
 RT: 11.56 min Scan# 1611
 Delta R.T. 0.01 min
 Lab File: BF111018.D
 Acq: 27 Nov 2018 19:09

Tgt Ion	Resp	Lower	Upper
178	38361		
176	18.8	15.4	23.2
179	17.0	12.6	18.8



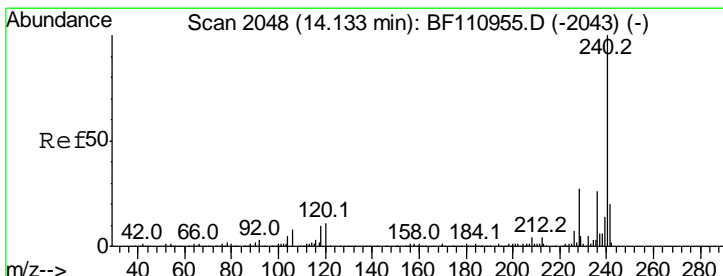
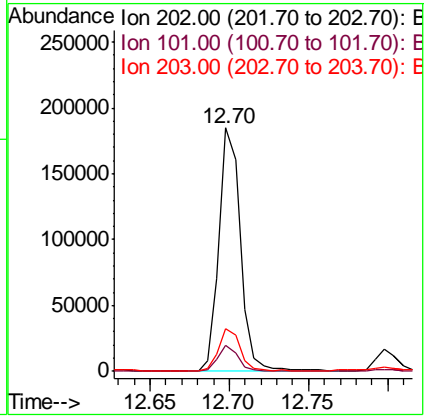
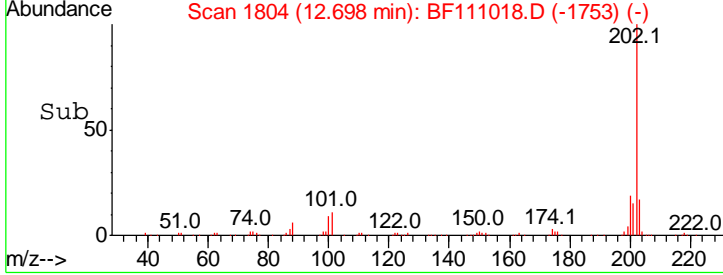
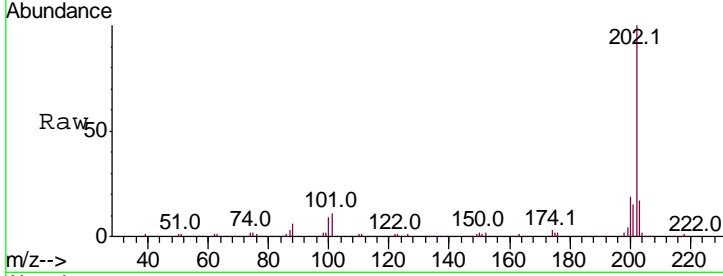


#75
 Fluoranthene
 Concen: 22.800 ng
 RT: 12.70 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: BF111018.D
 Acq: 27 Nov 2018 19:09

Instrument :
 BNA_F
 ClientSampled :
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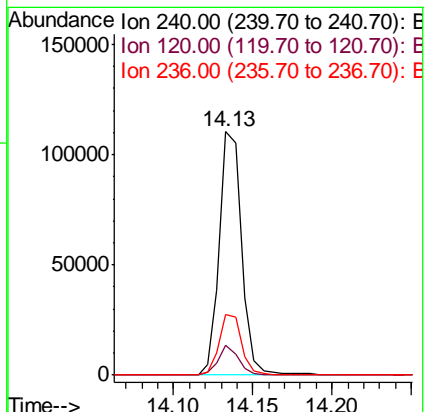
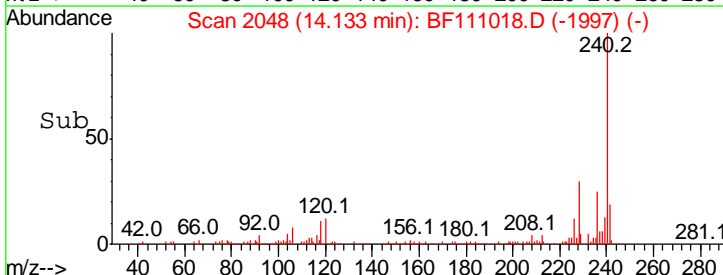
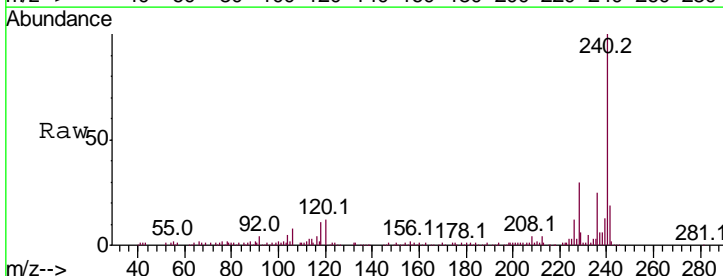
Tgt Ion	Resp	Lower	Upper
202	175304		
101	10.9	0.0	31.4
203	17.4	0.0	37.7

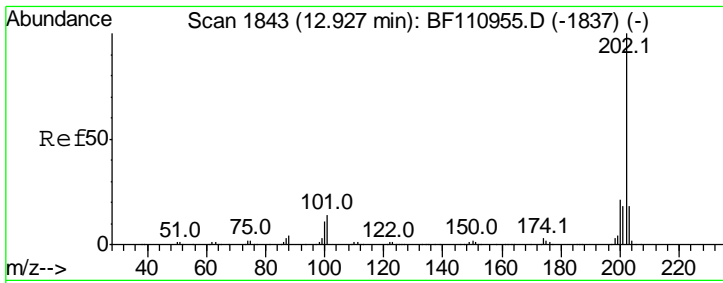
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#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.13 min Scan# 2048
 Delta R.T. -0.00 min
 Lab File: BF111018.D
 Acq: 27 Nov 2018 19:09

Tgt Ion	Resp	Lower	Upper
240	108212		
120	12.0	8.3	12.5
236	25.1	21.2	31.8





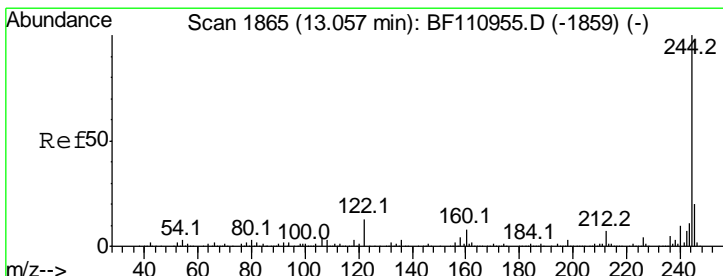
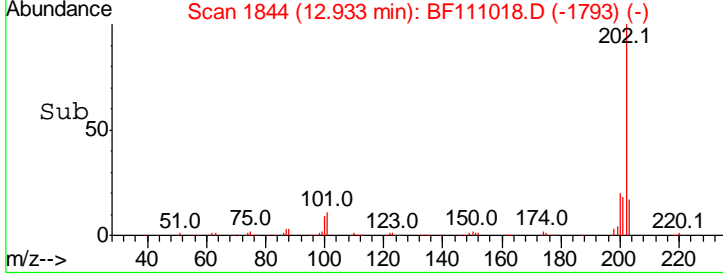
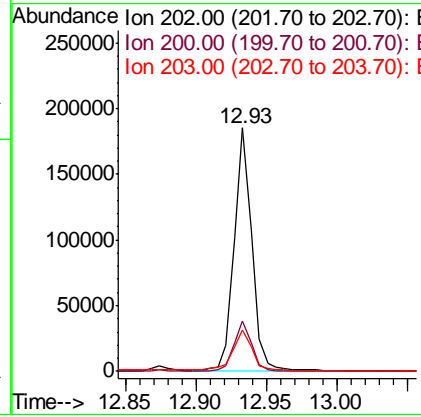
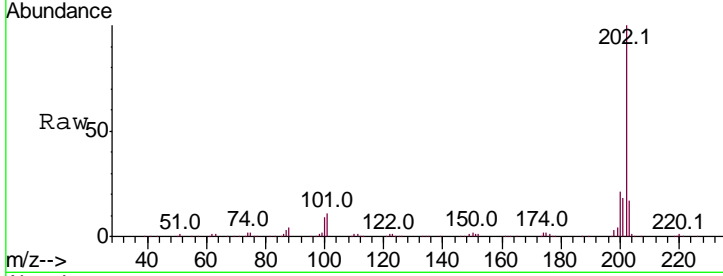
#78
 Pyrene
 Concen: 20.332 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. -0.00 min
 Lab File: BF111018.D
 Acq: 27 Nov 2018 19:09

Instrument :
 BNA_F
 ClientSampled :
 SS-02

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.8	26.6
203	17.2	14.2	21.4

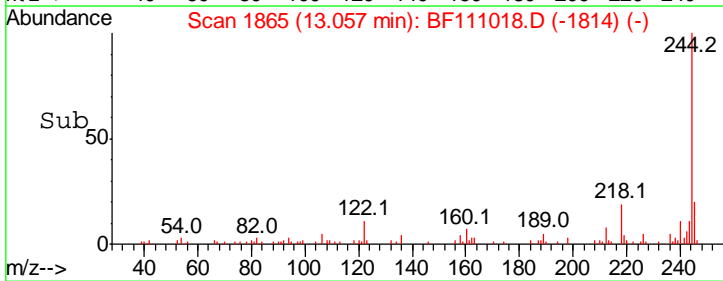
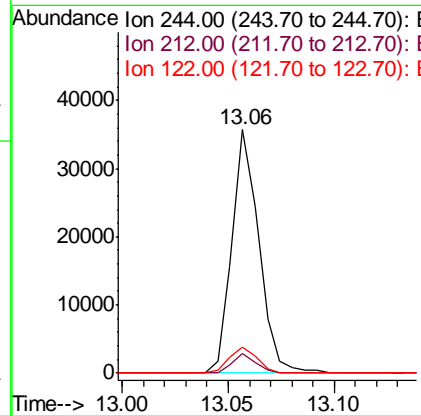
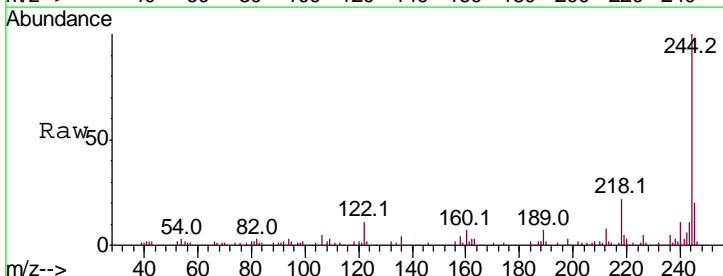
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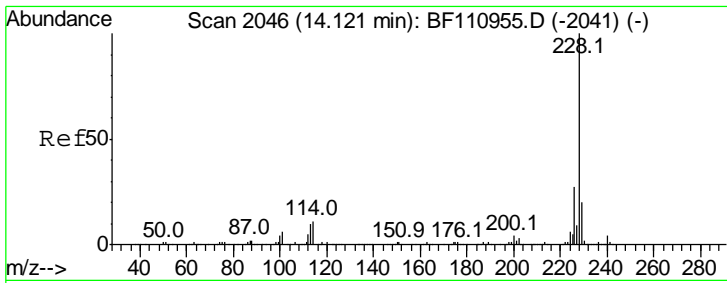
mohammad
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#79
 Terphenyl-d14
 Concen: 5.642 ng
 RT: 13.06 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: BF111018.D
 Acq: 27 Nov 2018 19:09

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.9	5.8	8.8
122	10.6	8.7	13.1





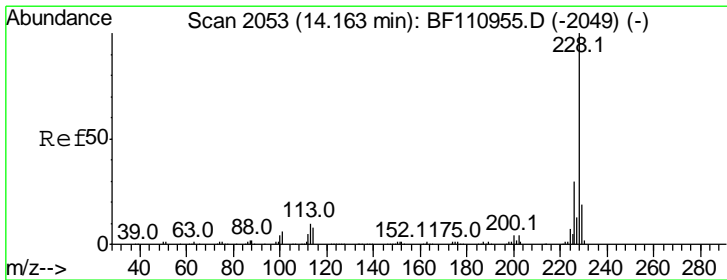
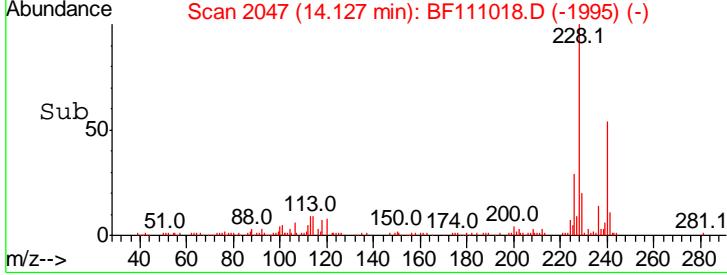
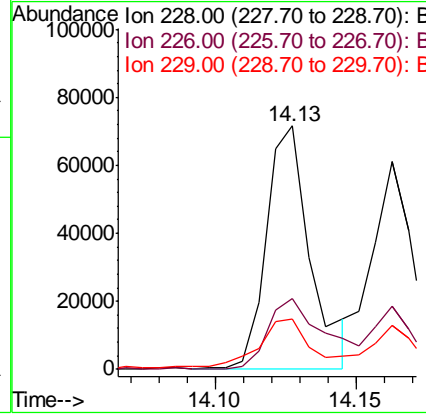
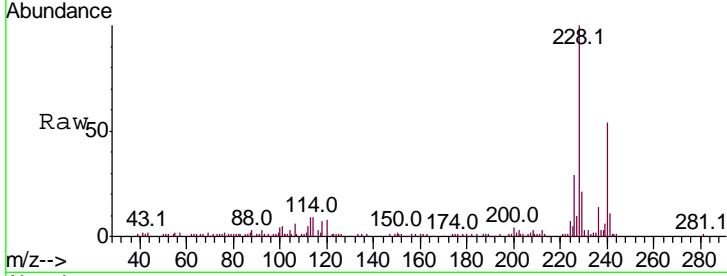
#81
 Benzo(a)anthracene
 Concen: 12.131 ng
 RT: 14.13 min Scan# 2047
 Delta R.T. 0.01 min
 Lab File: BF111018.D
 Acq: 27 Nov 2018 19:09

Instrument :
 BNA_F
 ClientSampled :
 SS-02

Tgt Ion	Resp	Lower	Upper
228	100		
226	29.2	22.1	33.1
229	20.9	15.6	23.4

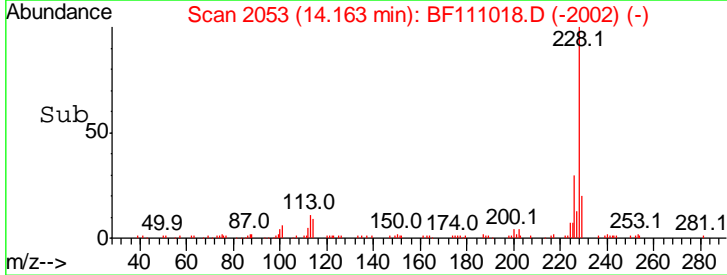
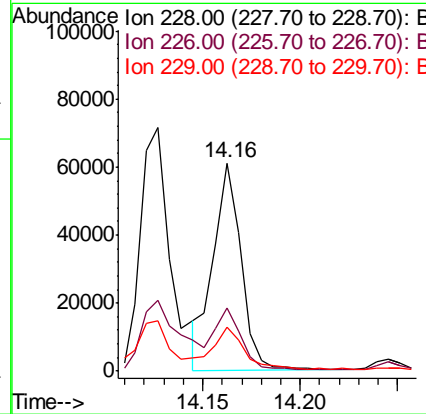
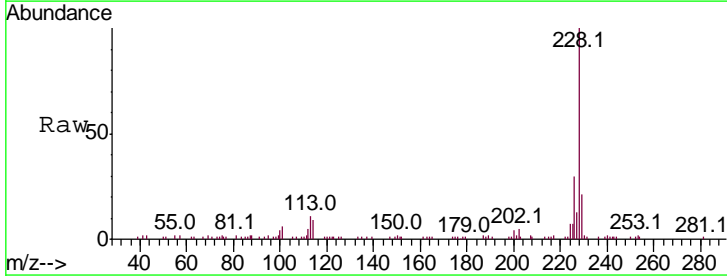
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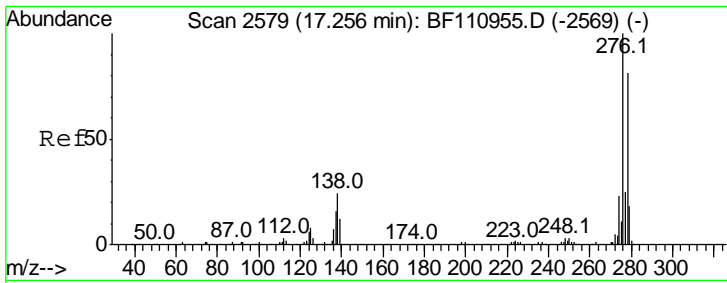
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#83
 Chrysene
 Concen: 9.602 ng
 RT: 14.16 min Scan# 2053
 Delta R.T. -0.00 min
 Lab File: BF111018.D
 Acq: 27 Nov 2018 19:09

Tgt Ion	Resp	Lower	Upper
228	100		
226	30.1	24.7	37.1
229	21.3	15.9	23.9





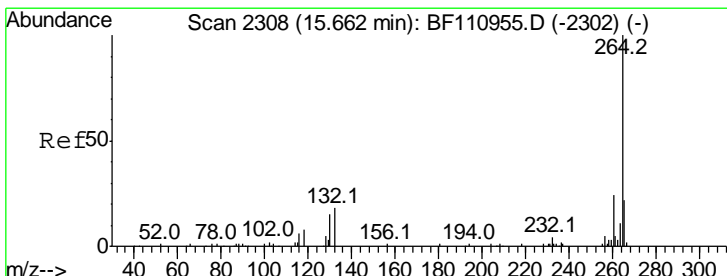
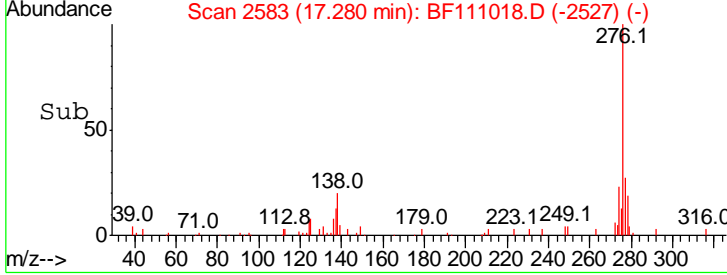
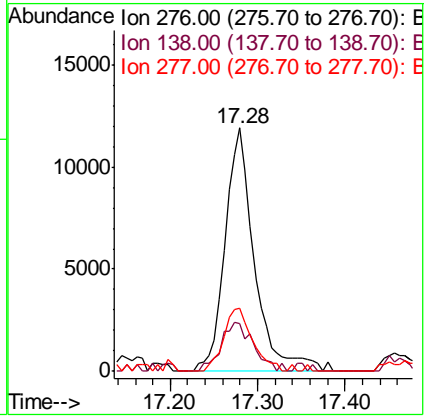
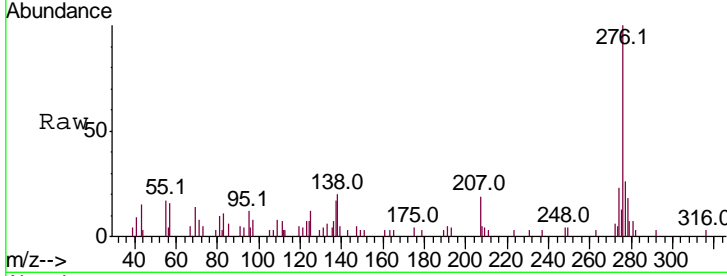
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 6.091 ng
 RT: 17.28 min Scan# 2583
 Delta R.T. 0.03 min
 Lab File: BF111018.D
 Acq: 27 Nov 2018 19:09

Instrument :
 BNA_F
 ClientSampled :
 SS-02

Tgt Ion	Resp	Lower	Upper
276	100		
138	22.1	18.5	27.7
277	25.3	20.0	30.0

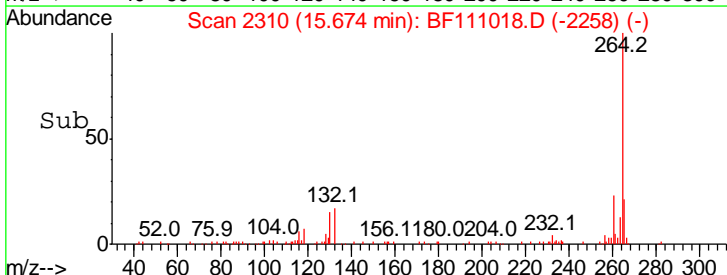
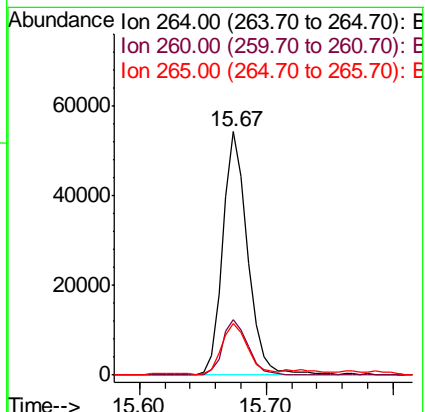
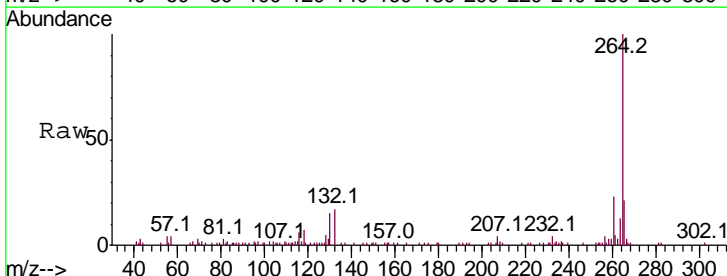
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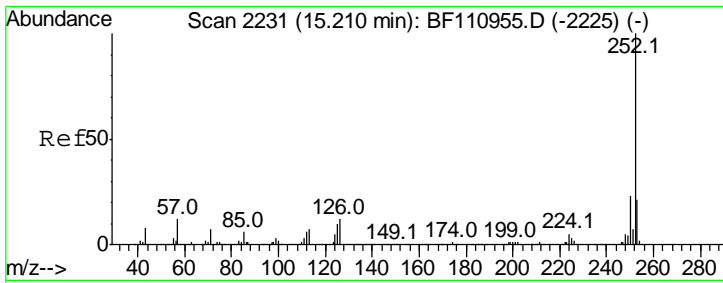
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.67 min Scan# 2310
 Delta R.T. 0.01 min
 Lab File: BF111018.D
 Acq: 27 Nov 2018 19:09

Tgt Ion	Resp	Lower	Upper
264	100		
260	23.0	18.7	28.1
265	21.2	16.7	25.1



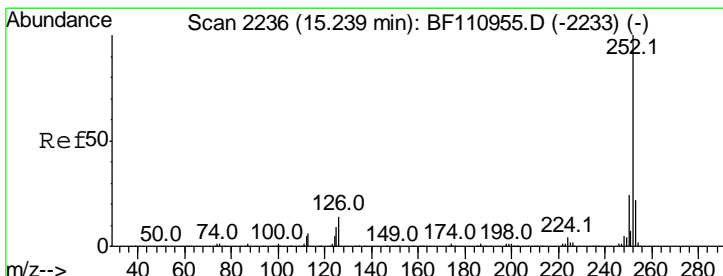
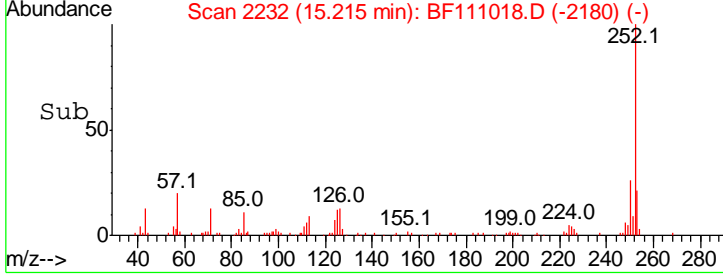
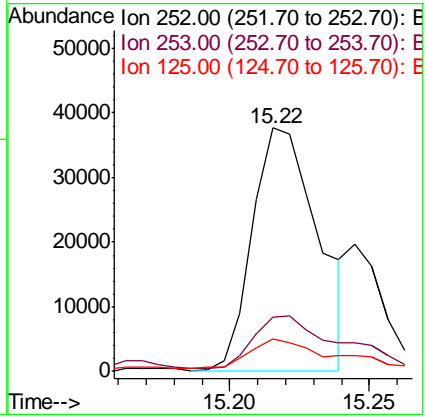
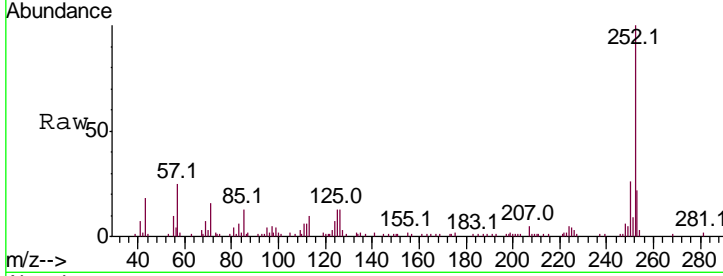


#88
 Benzo(b)fluoranthene
 Concen: 14.273 ng m
 RT: 15.22 min Scan# 2232
 Delta R.T. 0.01 min
 Lab File: BF111018.D
 Acq: 27 Nov 2018 19:09

Instrument :
 BNA_F
 ClientSampled :
 SS-02

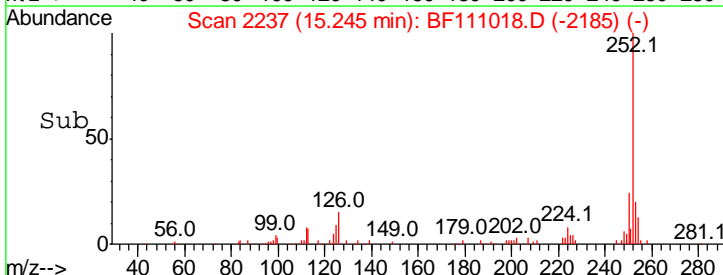
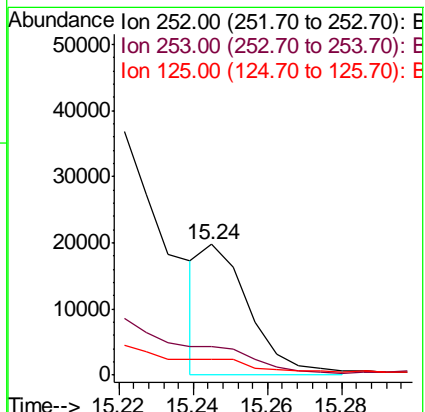
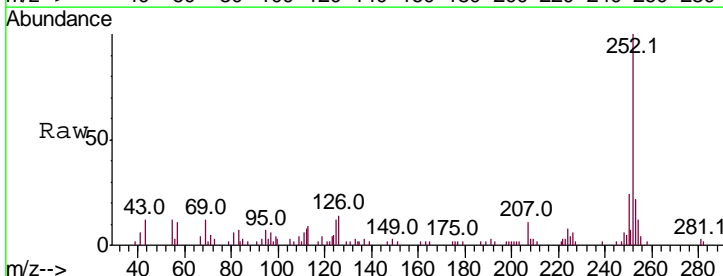
Tgt Ion	Resp	Lower	Upper
252	100		
253	22.1	17.2	25.8
125	13.5	8.2	12.4#

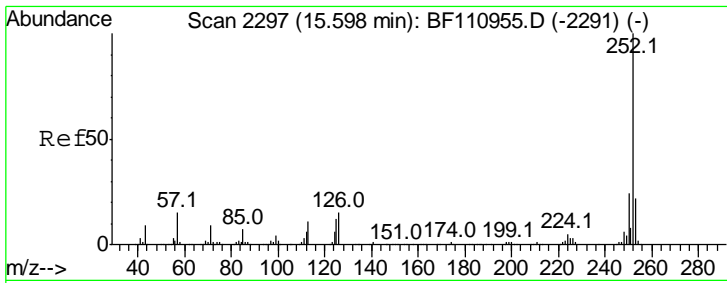
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#89
 Benzo(k)fluoranthene
 Concen: 3.988 ng m
 RT: 15.24 min Scan# 2237
 Delta R.T. 0.01 min
 Lab File: BF111018.D
 Acq: 27 Nov 2018 19:09

Tgt Ion	Resp	Lower	Upper
252	100		
253	22.0	17.2	25.8
125	12.2	7.4	11.0#





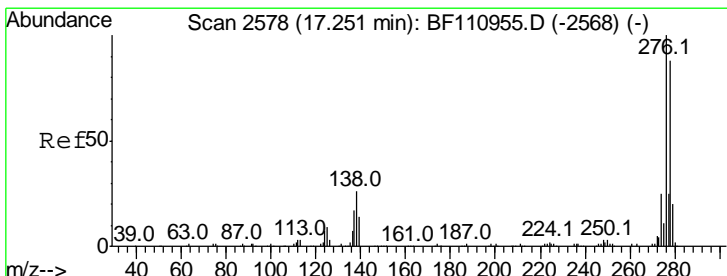
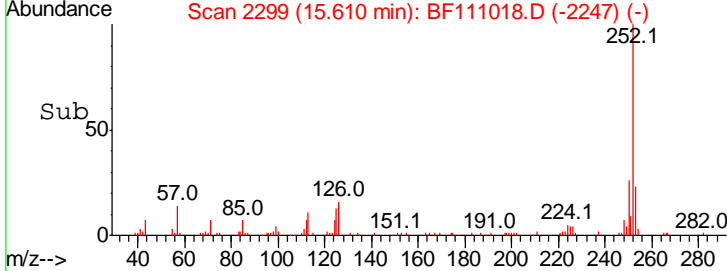
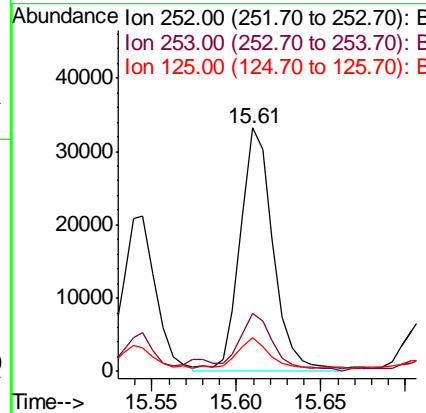
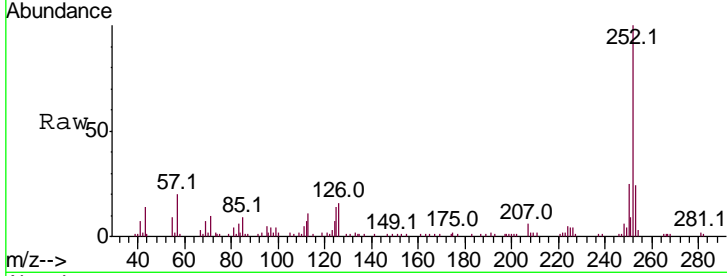
#90
 Benzo(a)pyrene
 Concen: 11.279 ng
 RT: 15.61 min Scan# 2299
 Delta R.T. 0.01 min
 Lab File: BF111018.D
 Acq: 27 Nov 2018 19:09

Instrument :
 BNA_F
 ClientSampled :
 SS-02

Tgt Ion	Resp	Lower	Upper
252	100		
253	24.1	18.2	27.4
125	13.8	9.0	13.6#

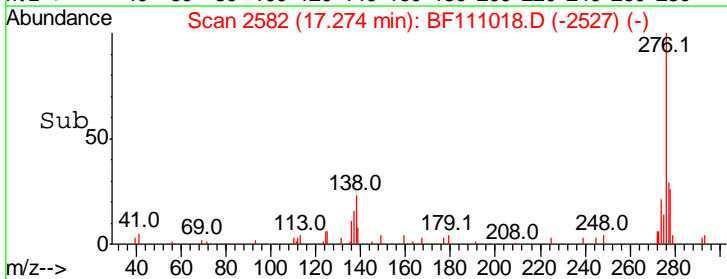
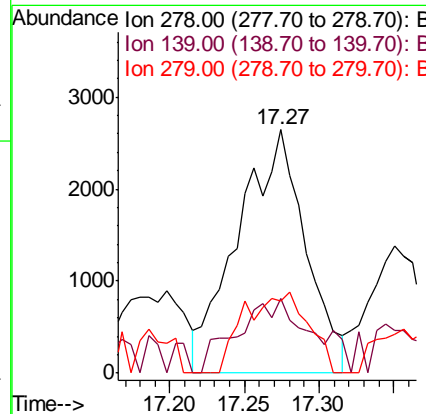
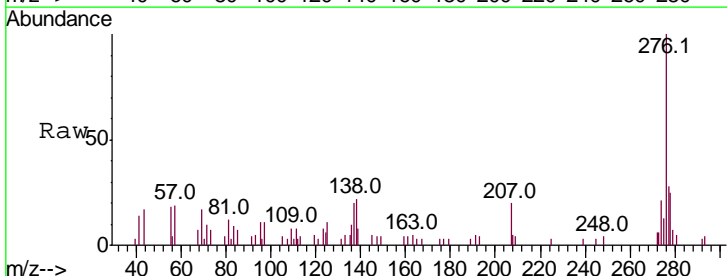
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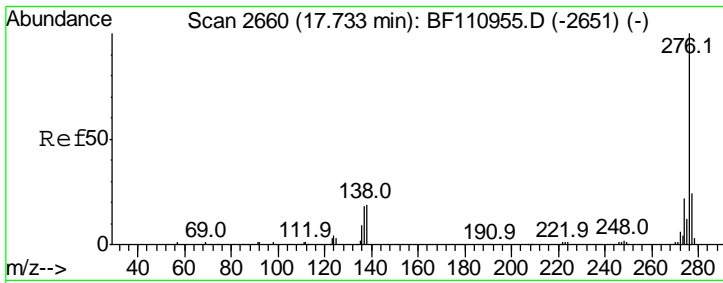
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#91
 Dibenzo(a,h)anthracene
 Concen: 2.505 ng
 RT: 17.27 min Scan# 2582
 Delta R.T. 0.02 min
 Lab File: BF111018.D
 Acq: 27 Nov 2018 19:09

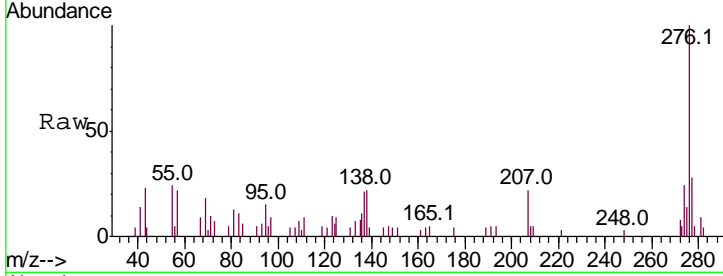
Tgt Ion	Resp	Lower	Upper
278	100		
139	30.5	12.7	19.1#
279	29.9	19.0	28.4#





#92
 Benzo(a,h,i)perylene
 Concen: 7.595 ng
 RT: 17.77 min Scan# 2666
 Delta R.T. 0.03 min
 Lab File: BF111018.D
 Acq: 27 Nov 2018 19:09

Instrument :
 BNA_F
ClientSampled :
 SS-02



Tot Ion: 276 Resp: 24348

Ion	Ratio	Lower	Upper
276	100		
277	28.4	18.8	28.2#
138	22.0	16.0	24.0

Manual Integrations
APPROVED
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