

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112818\
 Data File : BF111054.D
 Acq On : 28 Nov 2018 19:15
 Operator : JU/SJ
 Sample : J6080-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RCA-05

Manual Integrations
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 11/29/2018 1:58:27 PM

Quant Time: Nov 29 03:00:30 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	6.93	152	60770	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	244421	20.00	ng	0.00
39) Acenaphthene-d10	9.97	164	97663	20.00	ng	0.00
64) Phenanthrene-d10	11.47	188	145079	20.00	ng	0.00
76) Chrysene-d12	14.13	240	124404	20.00	ng	0.00
87) Perylene-d12	15.66	264	100501	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	383908	104.76	ng	0.00
7) Phenol-d6	6.56	99	500241	104.75	ng	0.00
23) Nitrobenzene-d5	7.50	82	320347	75.01	ng	-0.01
42) 2,4,6-Tribromophenol	10.77	330	78202	80.63	ng	-0.01
45) 2-Fluorobiphenyl	9.29	172	499829	74.15	ng	0.00
79) Terphenyl-d14	13.05	244	329691	51.59	ng	0.00
Target Compounds						
10) Phenol	6.57	94	31015	5.767	ng	81
50) Dimethylphthalate	9.69	163	69555	9.711	ng	99
71) Phenanthrene	11.50	178	80933	10.533	ng	99
72) Anthracene	11.56	178	19154m	2.448	ng	
75) Fluoranthene	12.69	202	102034	12.920	ng	98
78) Pyrene	12.93	202	92256	10.153	ng	97
81) Benzo(a)anthracene	14.12	228	50738	6.908	ng	96
83) Chrysene	14.16	228	46886	6.485	ng	97
86) Indeno(1,2,3-cd)pyrene	17.27	276	15846	3.053	ng	# 92
88) Benzo(b)fluoranthene	15.21	252	48837m	8.272	ng	
89) Benzo(k)fluoranthene	15.24	252	13618m	2.241	ng	
90) Benzo(a)pyrene	15.60	252	30589	5.566	ng	# 91
92) Benzo(a,h,i)perylene	17.76	276	14396	3.293	ng	# 83

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

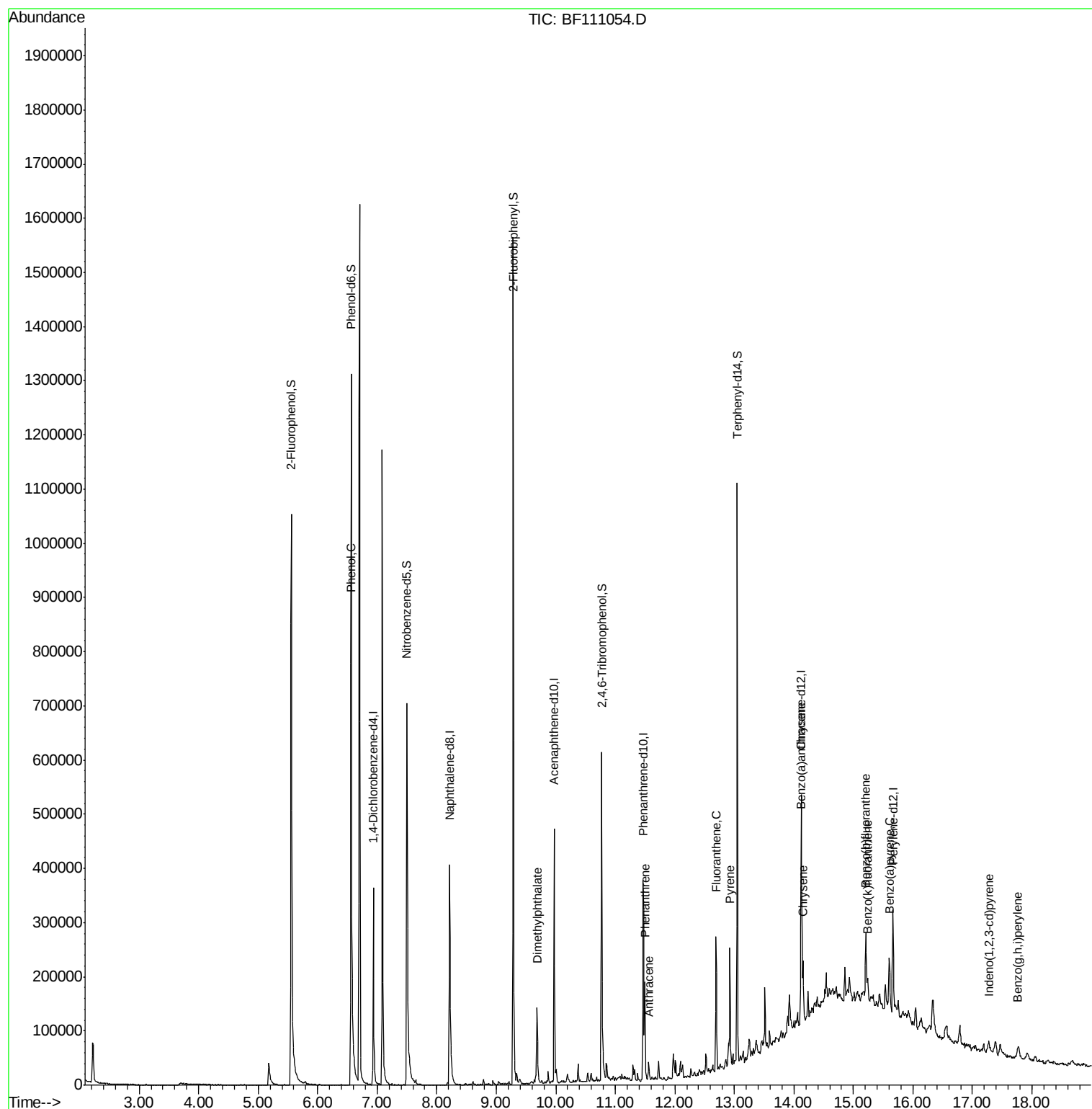
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112818\
Data File : BF111054.D
Acq On : 28 Nov 2018 19:15
Operator : JU/SJ
Sample : J6080-02
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#1

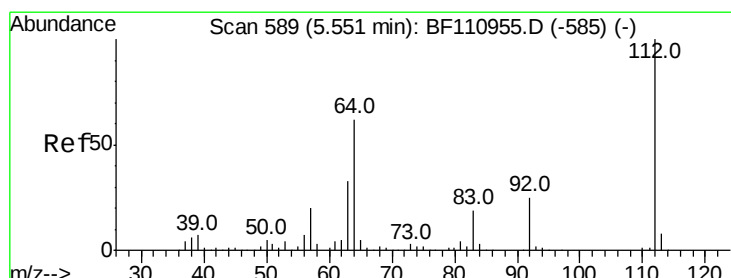
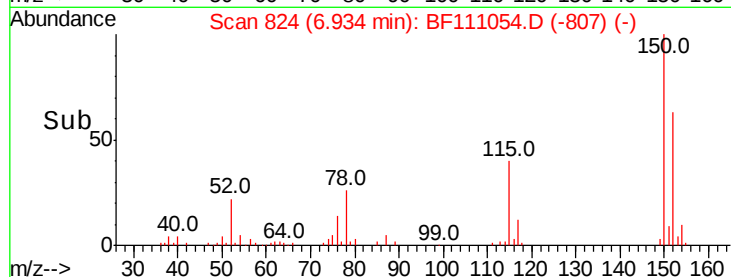
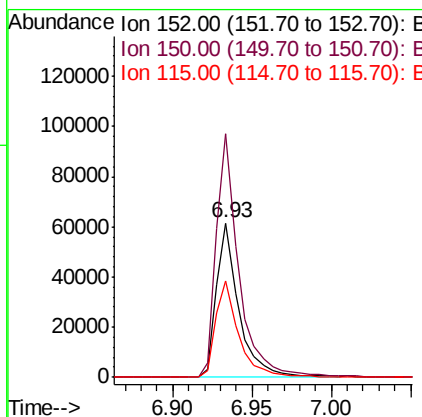
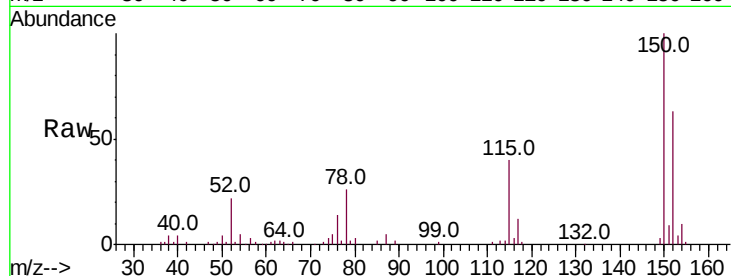
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 824
Delta R.T. -0.00 min
Lab File: BF111054.D
Acq: 28 Nov 2018 19:15

Instrument :
BNA_F
ClientSampleId :
RCA-05

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	122.7	184.1
115	62.6	49.1	73.7

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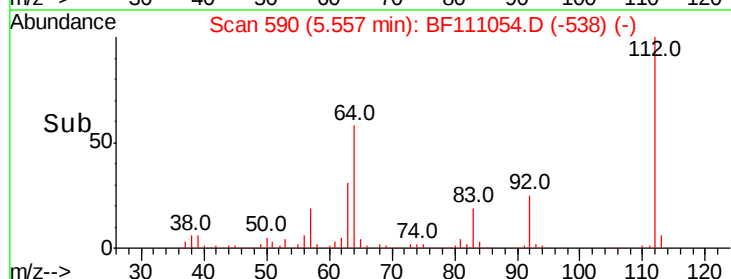
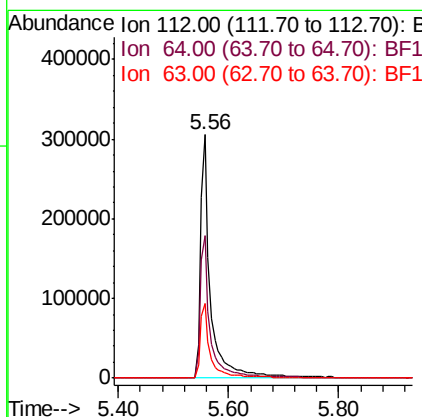
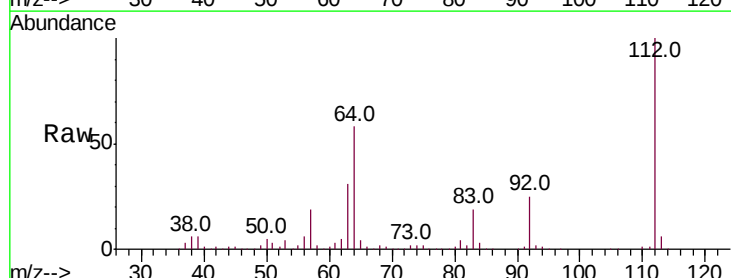
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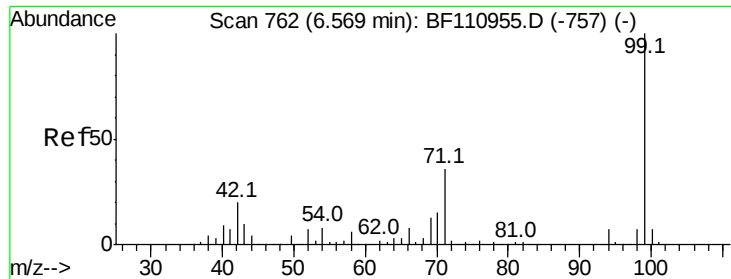


#5

2-Fluorophenol
Concen: 104.762 ng
RT: 5.56 min Scan# 590
Delta R.T. 0.01 min
Lab File: BF111054.D
Acq: 28 Nov 2018 19:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.4	44.1	66.1
63	30.9	23.7	35.5





#7

Phenol-d6

Concen: 104.751 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF111054.D

Acq: 28 Nov 2018 19:15

Instrument :

BNA_F

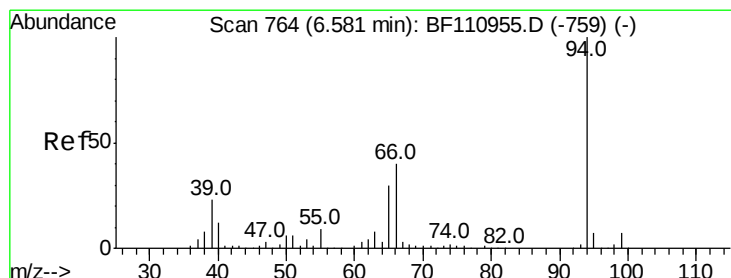
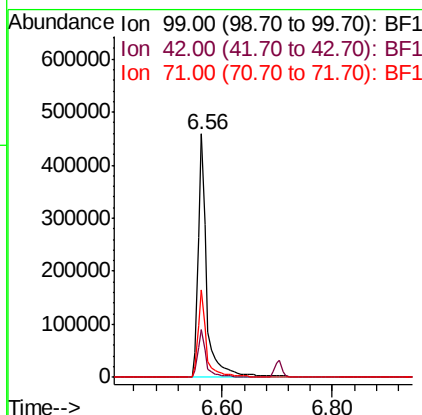
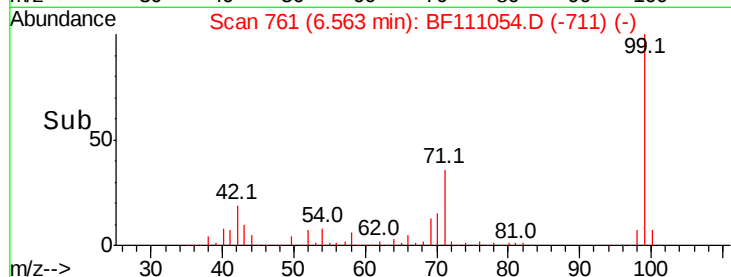
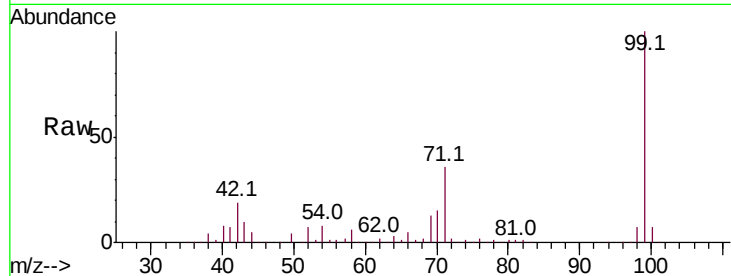
ClientSampleID :

RCA-05

Tot Ion:	99	Resp:	500241
Ion Ratio	Lower	Upper	
99	100		
42	19.4	15.8	23.6
71	35.7	28.0	42.0

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#10

Phenol

Concen: 5.767 ng

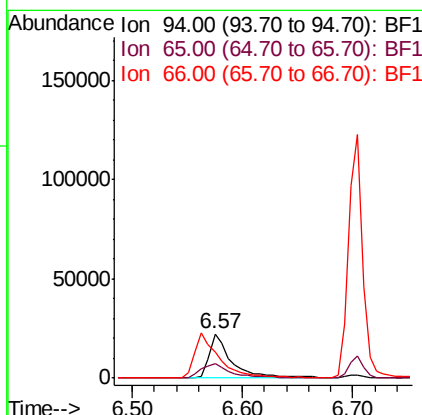
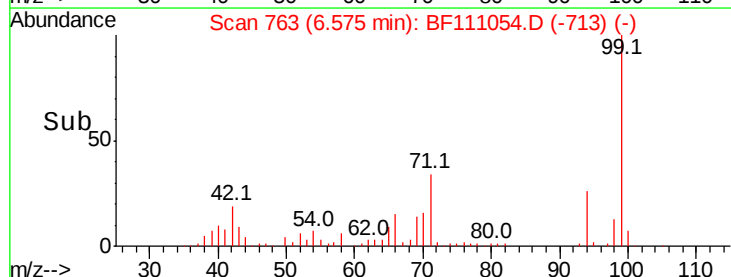
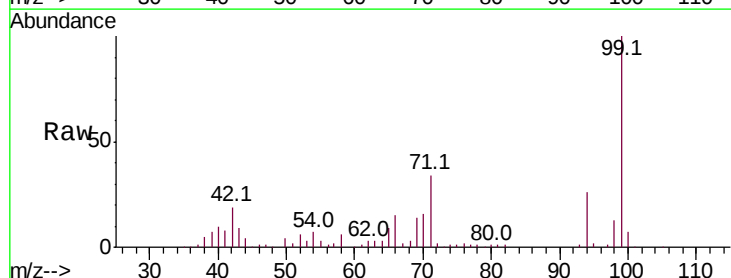
RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF111054.D

Acq: 28 Nov 2018 19:15

Tgt Ion:	94	Resp:	31015
Ion Ratio	Lower	Upper	
94	100		
65	34.1	25.3	65.3
66	57.4	54.5	94.5





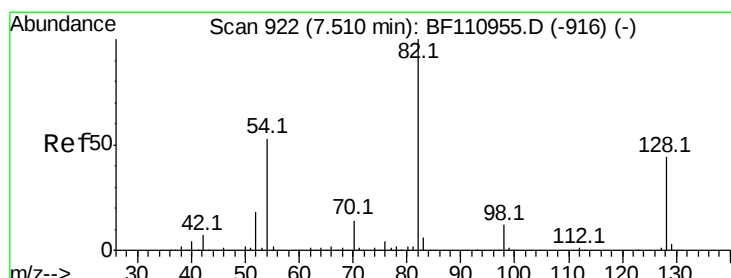
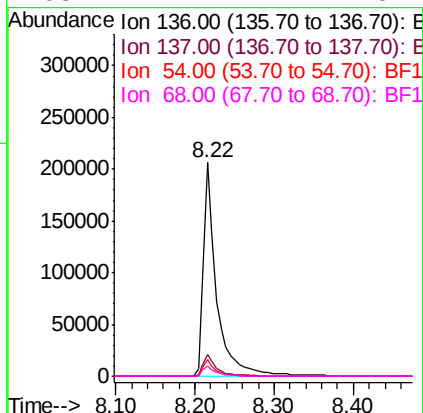
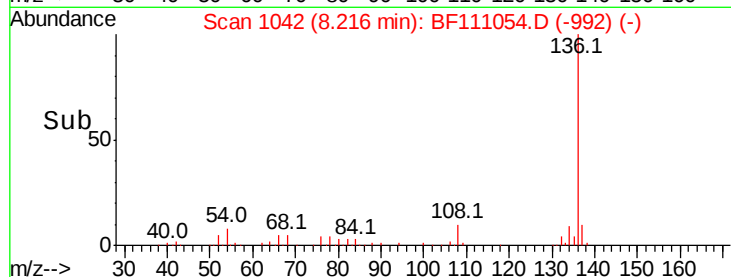
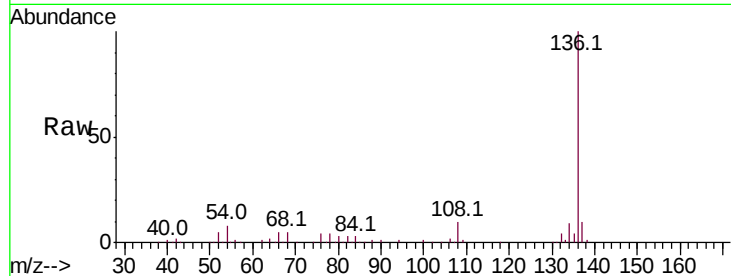
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF111054.D
Acq: 28 Nov 2018 19:15

Instrument :
BNA_F
ClientSampleId :
RCA-05

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.4	8.8	13.2	
54	7.8	5.4	8.2	
68	4.7	4.2	6.2	

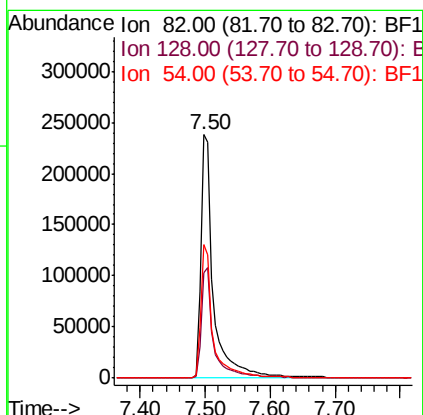
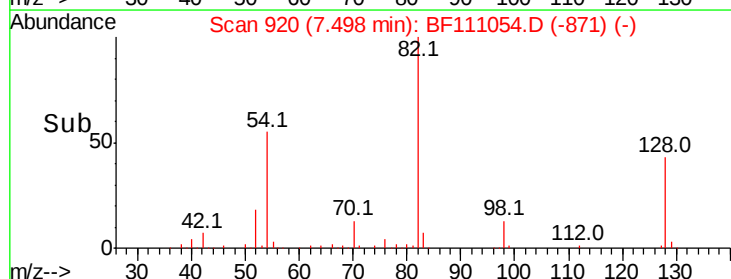
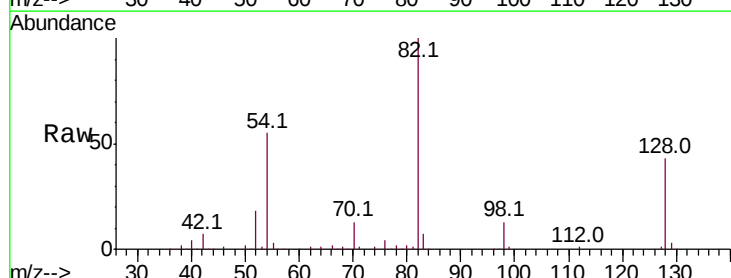
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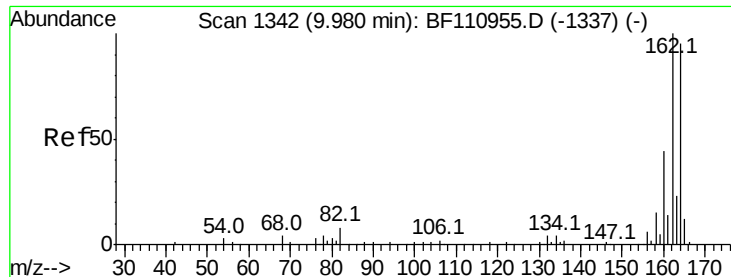
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#23
Nitrobenzene-d5
Concen: 75.009 ng
RT: 7.50 min Scan# 920
Delta R.T. -0.01 min
Lab File: BF111054.D
Acq: 28 Nov 2018 19:15

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	43.0	34.2	51.2	
54	54.9	38.6	58.0	





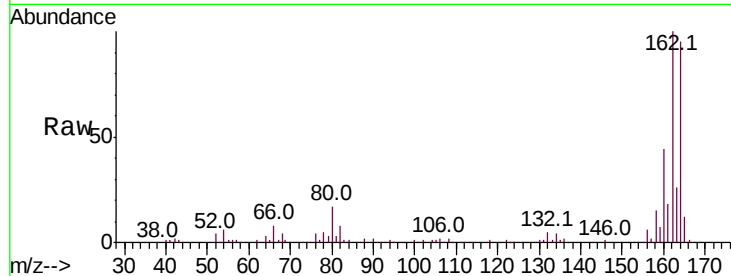
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.97 min Scan# 1341
 Delta R.T. -0.01 min
 Lab File: BF111054.D
 Acq: 28 Nov 2018 19:15

Instrument :
 BNA_F
 ClientSampled :
 RCA-05

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.9	83.0	124.6
160	46.6	37.0	55.6

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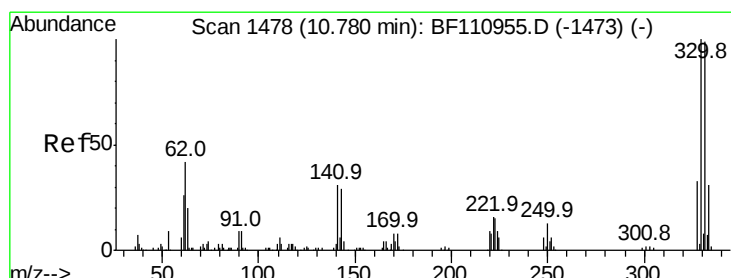
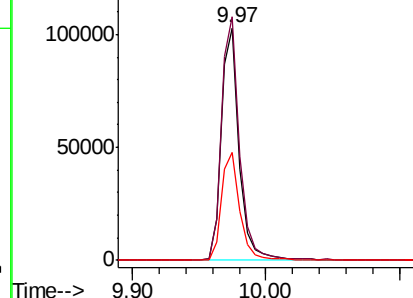
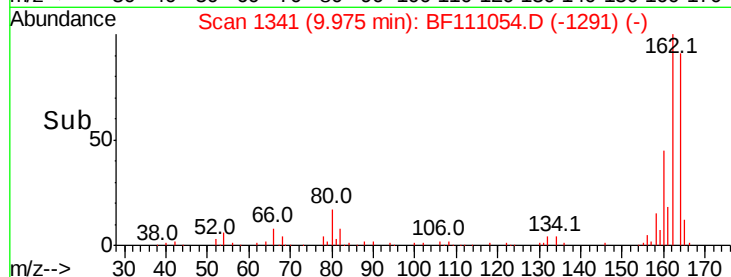


Abundance

Ion 164.00 (163.70 to 164.70): E

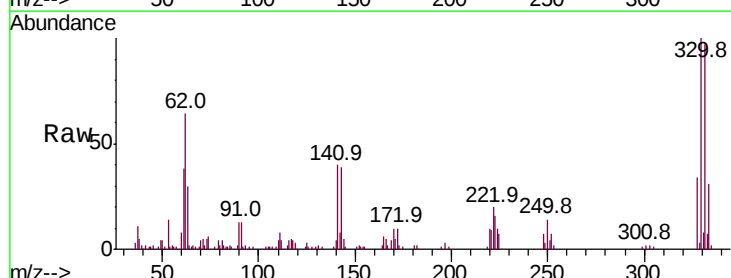
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
 2,4,6-Tribromophenol
 Concen: 80.627 ng
 RT: 10.77 min Scan# 1476
 Delta R.T. -0.01 min
 Lab File: BF111054.D
 Acq: 28 Nov 2018 19:15

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.1	115.7
141	39.6	27.0	40.4

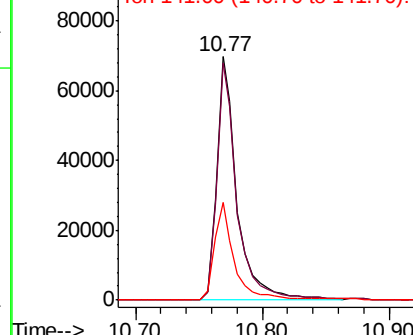
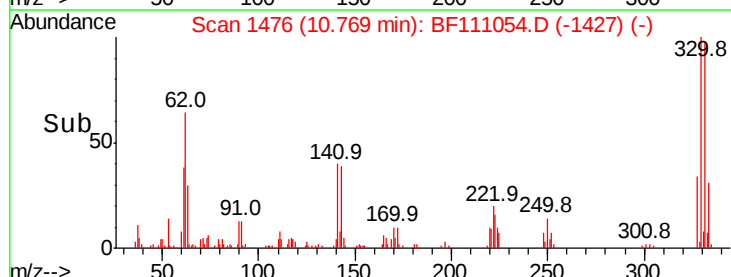


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





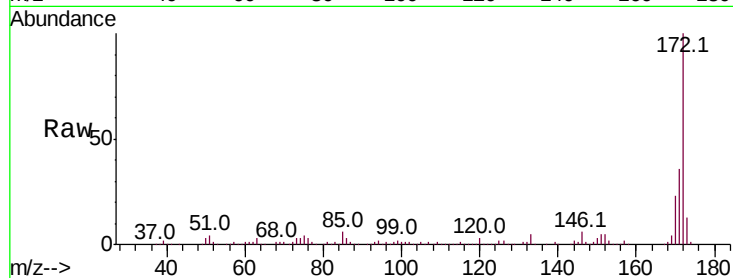
#45
2-Fluorobiphenyl
Concen: 74.147 ng
RT: 9.29 min Scan# 1224
Delta R.T. -0.01 min
Lab File: BF111054.D
Acq: 28 Nov 2018 19:15

Instrument :
BNA_F
ClientSampleId :
RCA-05

Tot Ion	Ratio	Resp	Lower	Upper
172	100	499829		
171	35.7	28.6	43.0	
170	23.4	19.7	29.5	

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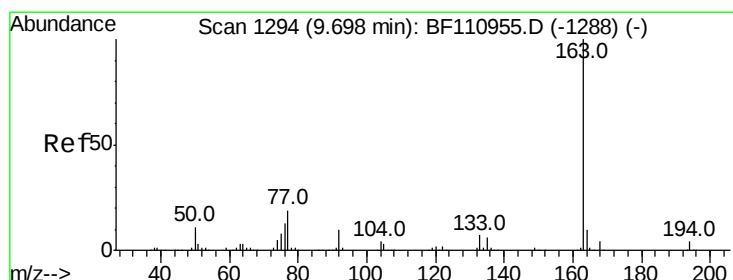
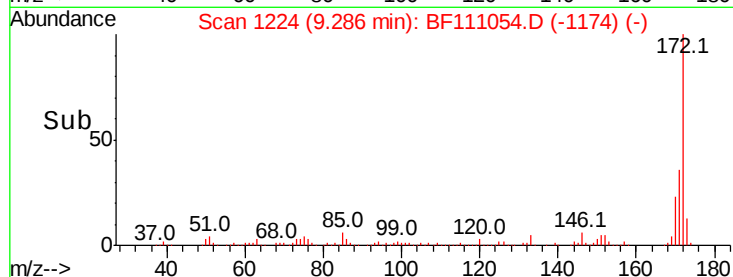
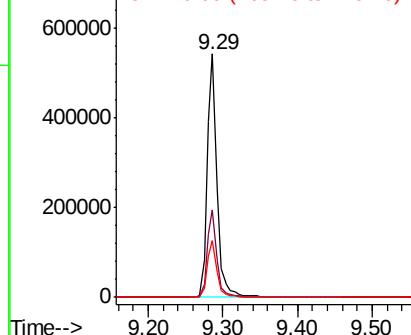


Abundance

Ion 172.00 (171.70 to 172.70): E

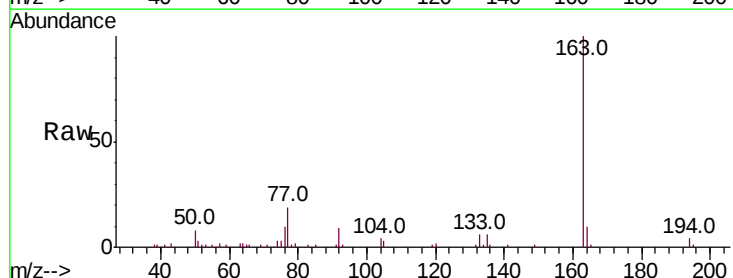
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 9.711 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BF111054.D
Acq: 28 Nov 2018 19:15

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	69555		
194	3.7	3.2	4.8	
164	9.6	8.1	12.1	

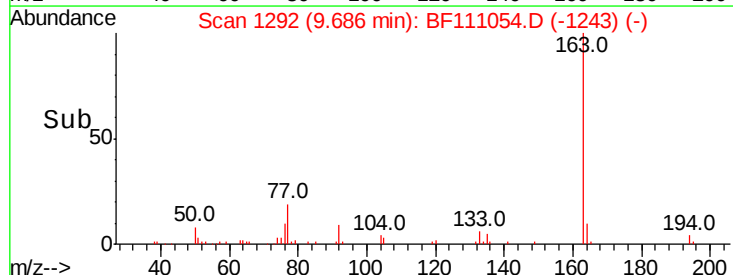
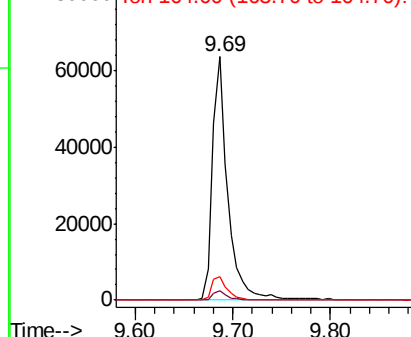


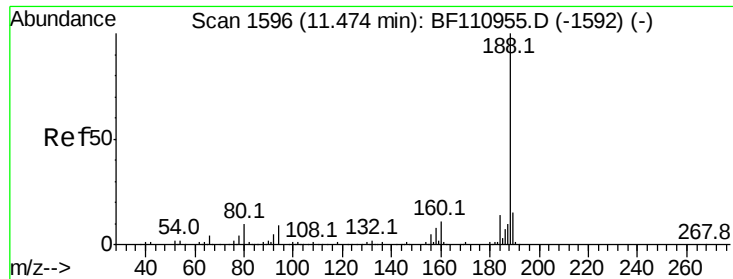
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.47 min Scan# 1595

Delta R.T. -0.01 min

Lab File: BF111054.D

Acq: 28 Nov 2018 19:15

Instrument :

BNA_F

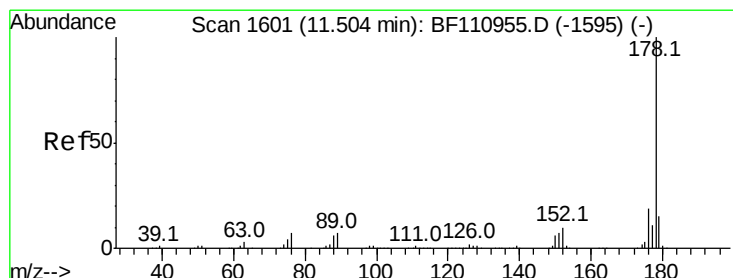
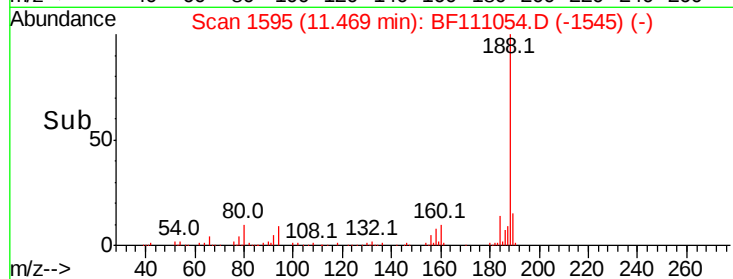
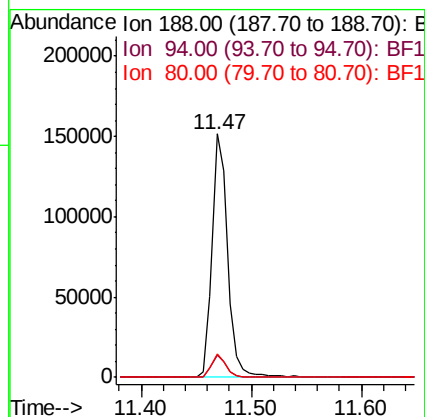
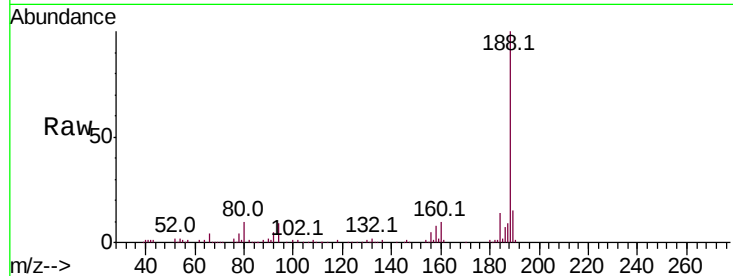
ClientSampleId :

RCA-05

Tot Ion:188	Resp:	145079
Ion Ratio	Lower	Upper
188 100		
94 9.0	7.2	10.8
80 9.6	7.9	11.9

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#71

Phenanthrene

Concen: 10.533 ng

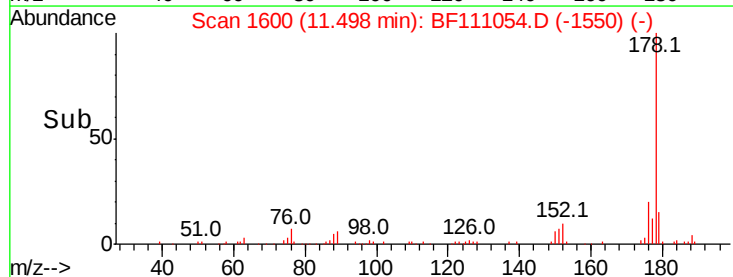
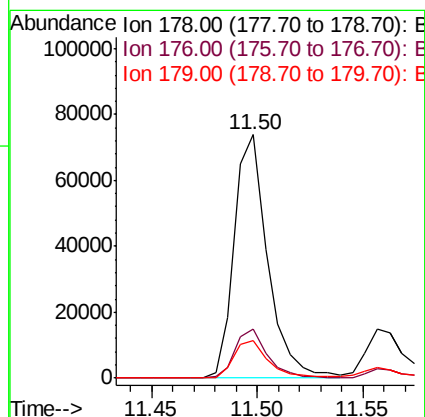
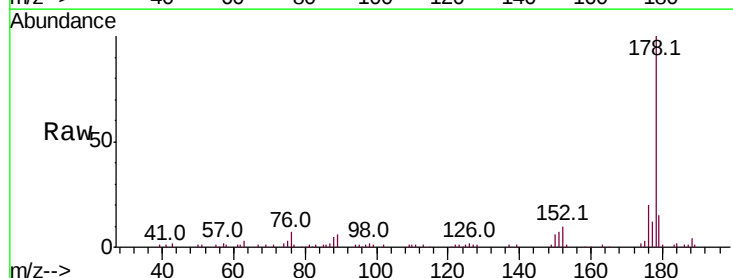
RT: 11.50 min Scan# 1600

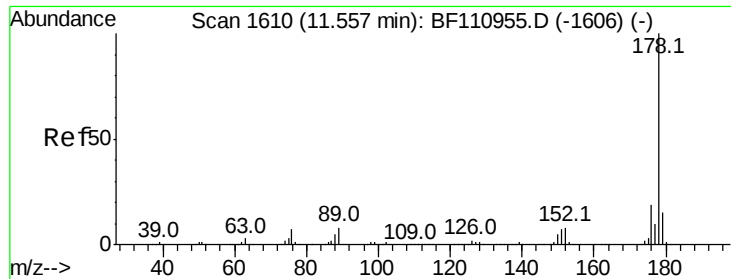
Delta R.T. -0.01 min

Lab File: BF111054.D

Acq: 28 Nov 2018 19:15

Tgt Ion:178	Resp:	80933
Ion Ratio	Lower	Upper
178 100		
176 20.0	15.5	23.3
179 15.4	12.5	18.7





#72

Anthracene

Concen: 2.448 ng

RT: 11.56 min Scan# 1610

Delta R.T. -0.00 min

Lab File: BF111054.D

Acq: 28 Nov 2018 19:15

Instrument :

BNA_F

ClientSampleId :

RCA-05

Tot Ion:178 Resp: 19154

Ion Ratio Lower Upper

178 100

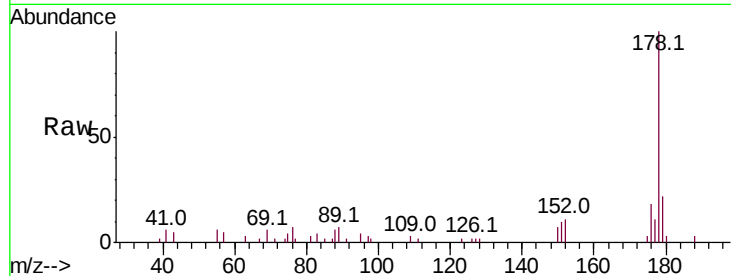
176 18.5 15.4 23.2

179 21.8 12.6 18.8#

Manual Integrations
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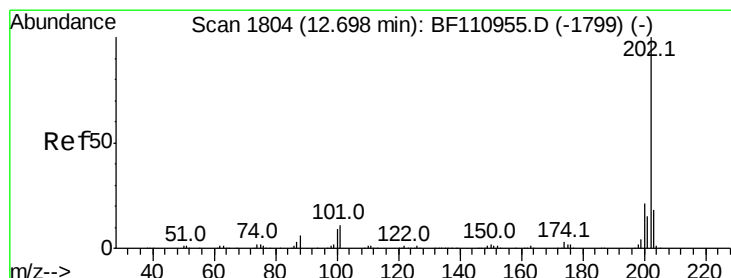
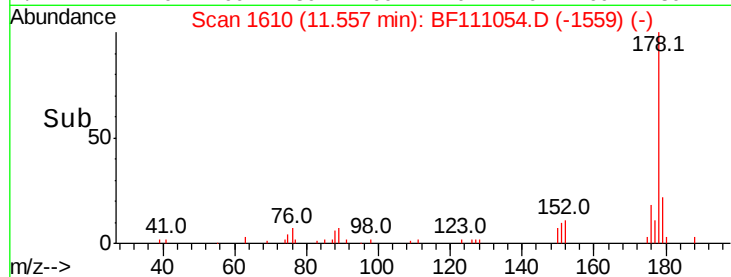
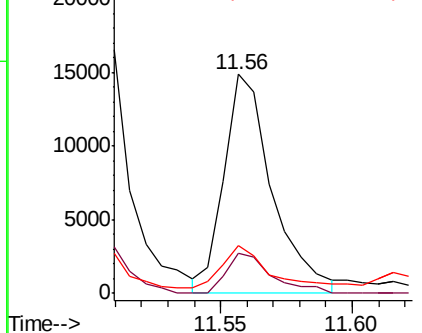
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 12.920 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF111054.D

Acq: 28 Nov 2018 19:15

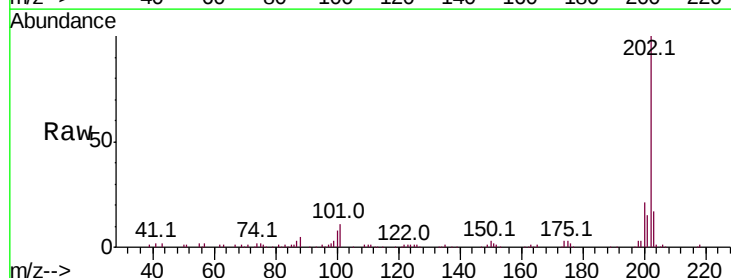
Tgt Ion:202 Resp: 102034

Ion Ratio Lower Upper

202 100

101 10.8 0.0 31.4

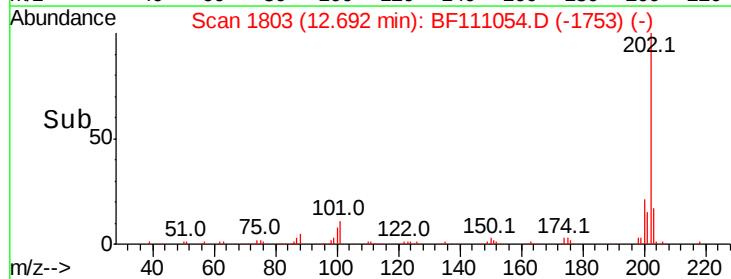
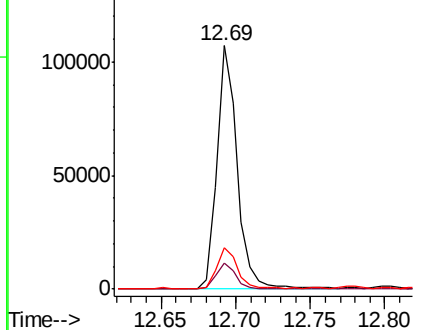
203 17.0 0.0 37.7

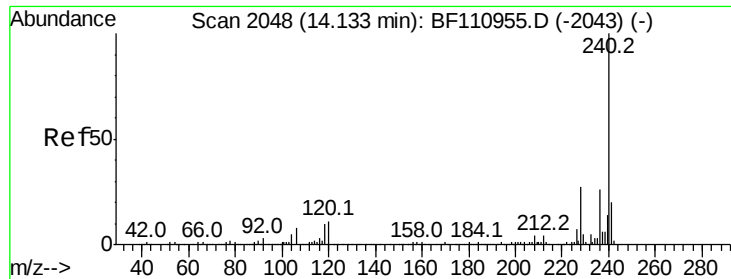


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





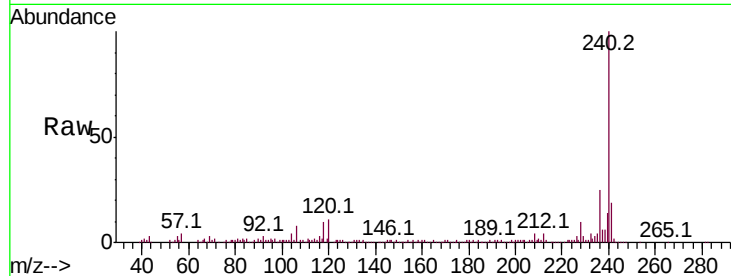
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.01 min
Lab File: BF111054.D
Acq: 28 Nov 2018 19:15

Instrument :
BNA_F
ClientSampleId :
RCA-05

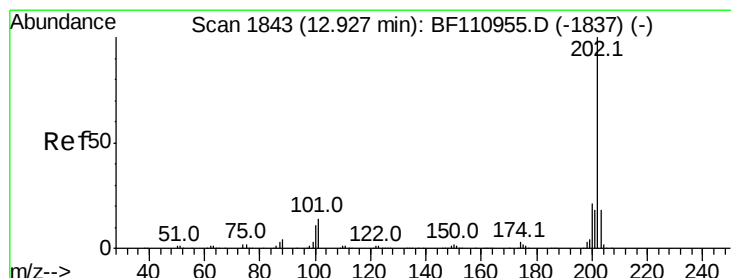
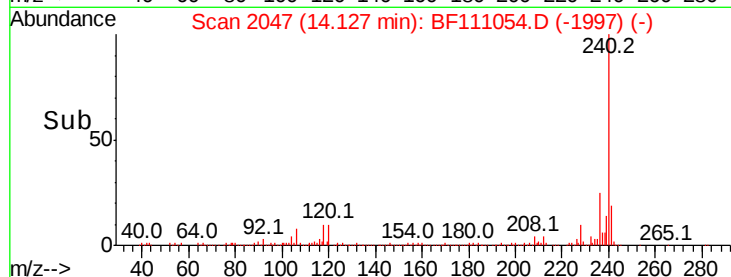
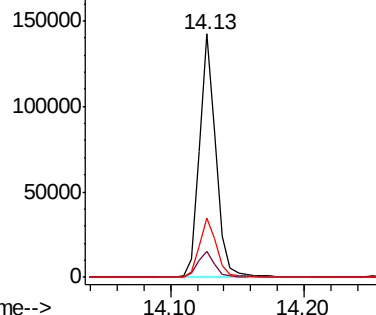
Tot Ion	Ratio	Resp	Lower	Upper
240	100	124404		
120	10.7	8.3	12.5	
236	24.5	21.2	31.8	

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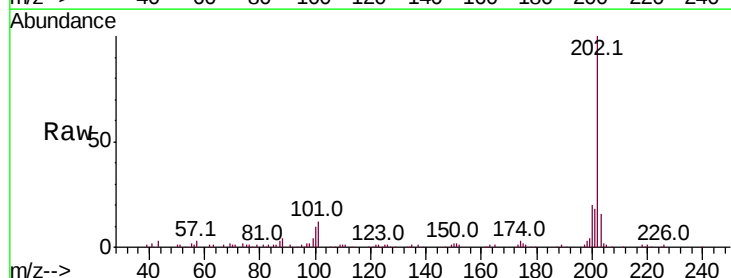


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

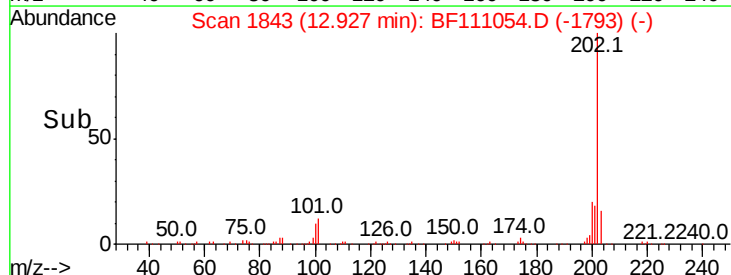
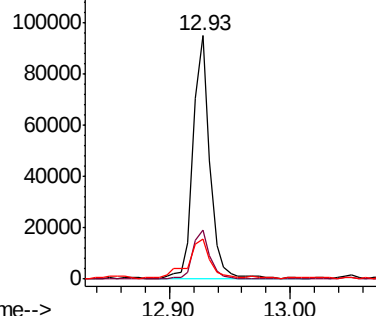


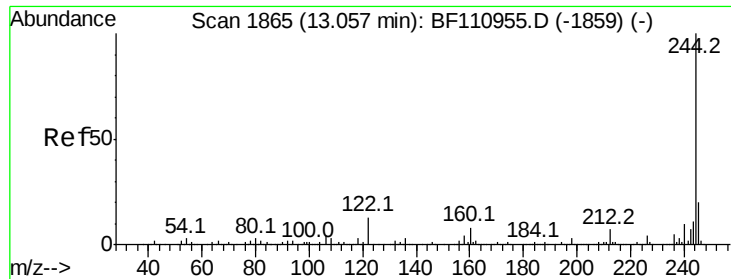
#78
Pyrene
Concen: 10.153 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BF111054.D
Acq: 28 Nov 2018 19:15

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	92256		
200	20.4	17.8	26.6	
203	16.5	14.2	21.4	



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





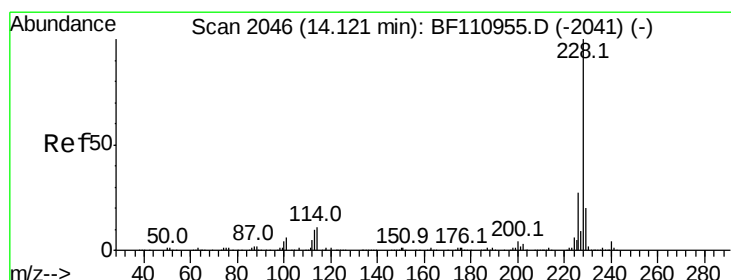
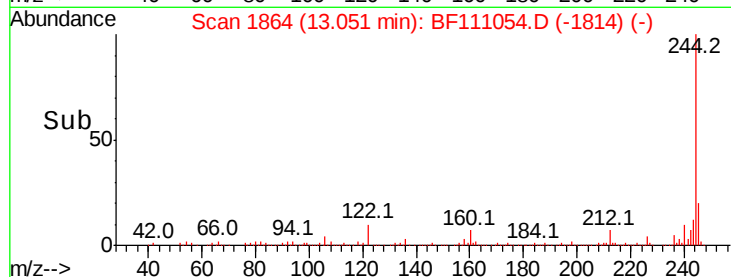
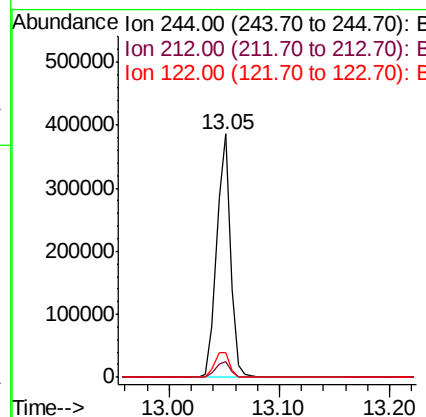
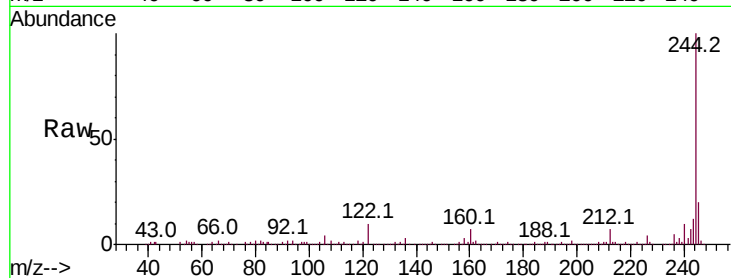
#79
 Terphenyl-d14
 Concen: 51.589 ng
 RT: 13.05 min Scan# 1864
 Delta R.T. -0.01 min
 Lab File: BF111054.D
 Acq: 28 Nov 2018 19:15

Instrument :
 BNA_F
 ClientSampled :
 RCA-05

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.8
122	10.4	8.7	13.1

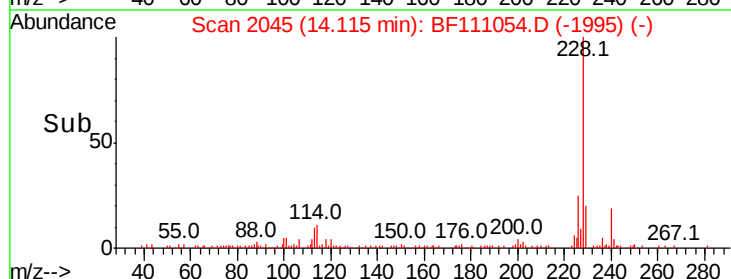
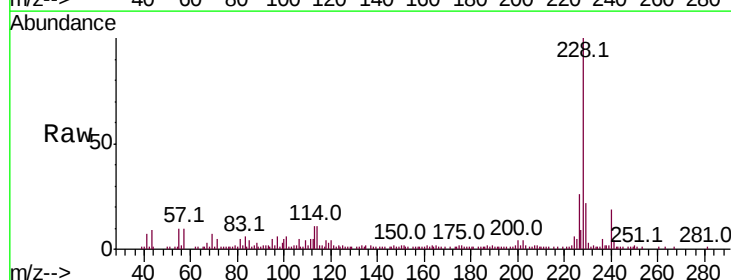
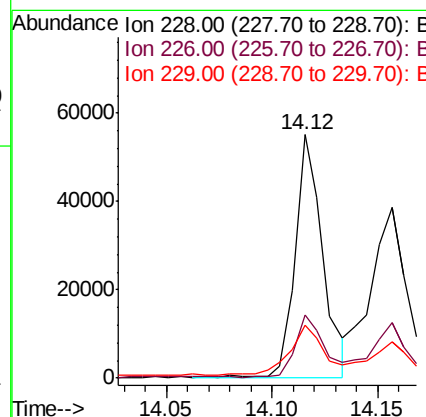
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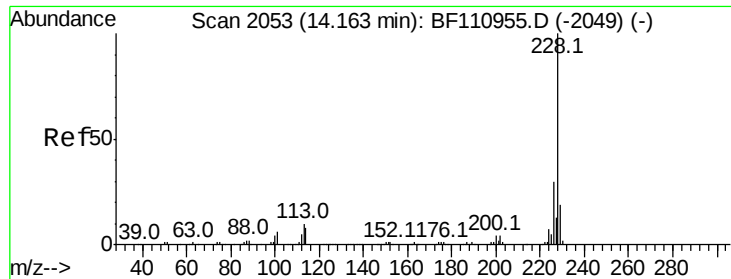
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#81
 Benzo(a)anthracene
 Concen: 6.908 ng
 RT: 14.12 min Scan# 2045
 Delta R.T. -0.01 min
 Lab File: BF111054.D
 Acq: 28 Nov 2018 19:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	25.8	22.1	33.1
229	21.6	15.6	23.4





#83

Chrysene

Concen: 6.485 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BF111054.D

Acq: 28 Nov 2018 19:15

Instrument :

BNA_F

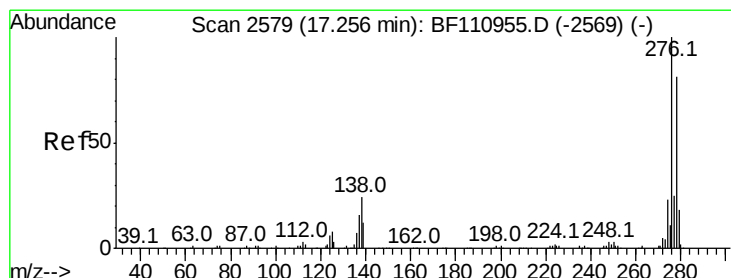
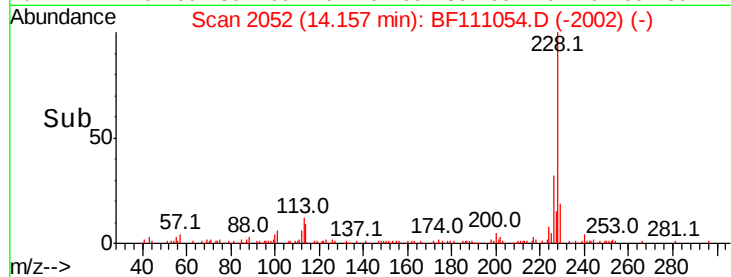
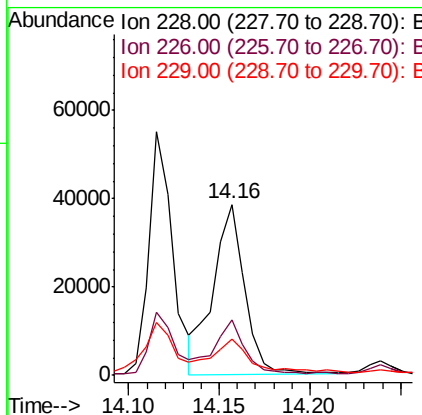
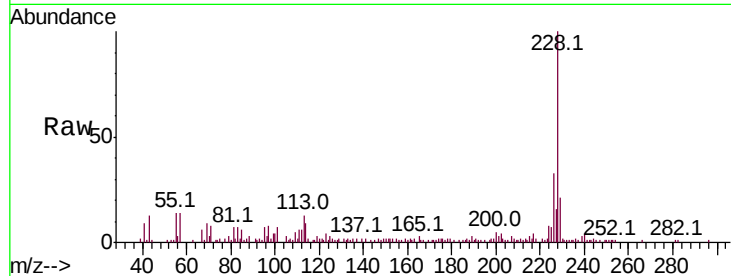
ClientSampleId :

RCA-05

Tot Ion:	228	Resp:	46886
Ion Ratio	Lower	Upper	
228	100		
226	32.8	24.7	37.1
229	21.2	15.9	23.9

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#86

Indeno(1,2,3-cd)pyrene

Concen: 3.053 ng

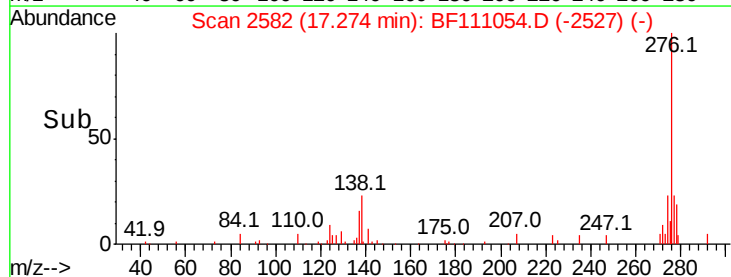
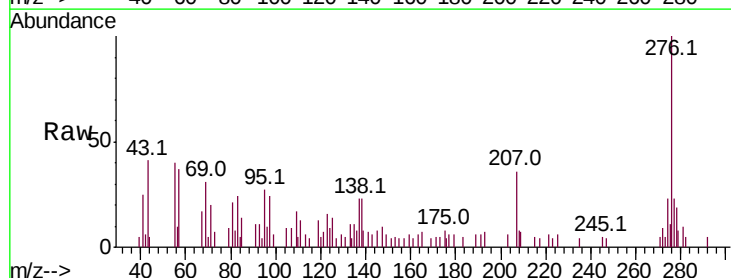
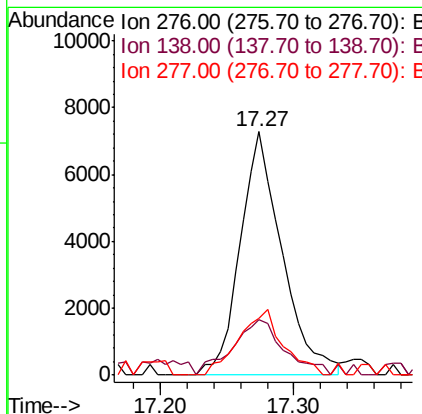
RT: 17.27 min Scan# 2582

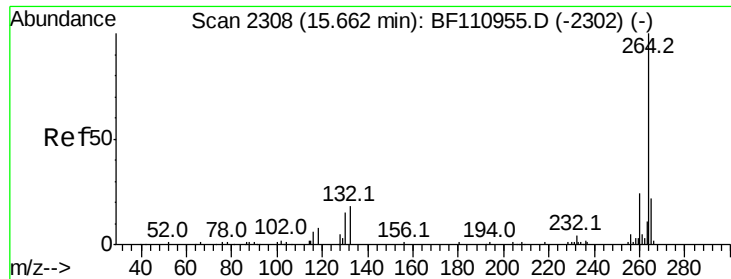
Delta R.T. 0.02 min

Lab File: BF111054.D

Acq: 28 Nov 2018 19:15

Tgt Ion:	276	Resp:	15846
Ion Ratio	Lower	Upper	
276	100		
138	28.0	18.5	27.7#
277	28.4	20.0	30.0





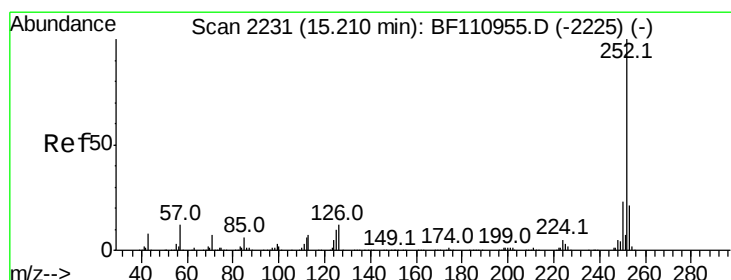
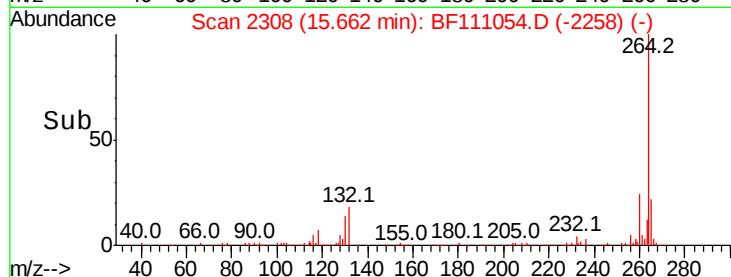
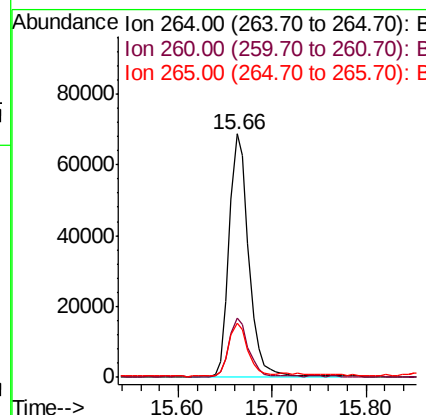
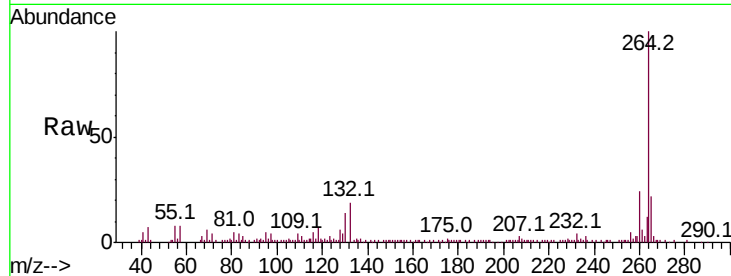
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2308
Delta R.T. -0.01 min
Lab File: BF111054.D
Acq: 28 Nov 2018 19:15

Instrument :
BNA_F
ClientSampleId :
RCA-05

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.7	28.1
265	22.5	16.7	25.1

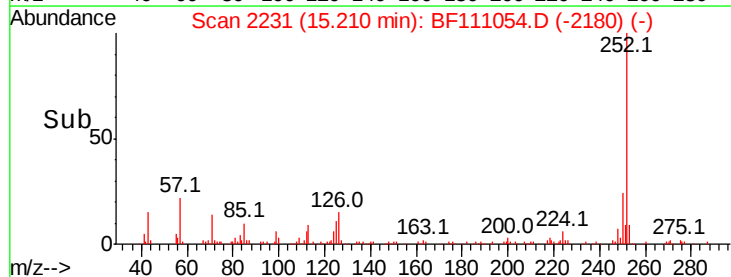
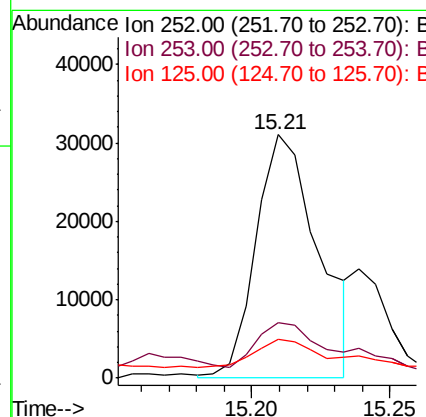
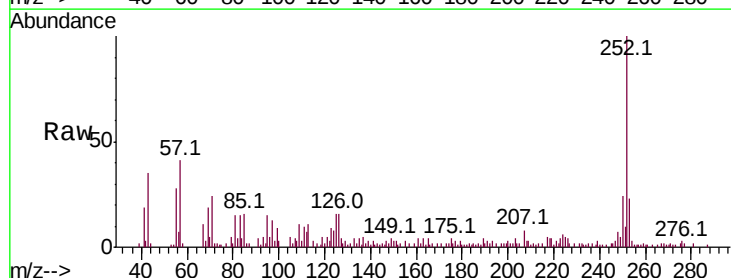
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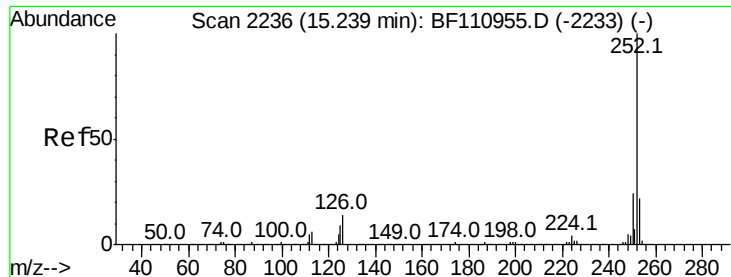
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#88
Benzo(b)fluoranthene
Concen: 8.272 ng m
RT: 15.21 min Scan# 2231
Delta R.T. -0.00 min
Lab File: BF111054.D
Acq: 28 Nov 2018 19:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.2	25.8
125	15.8	8.2	12.4#





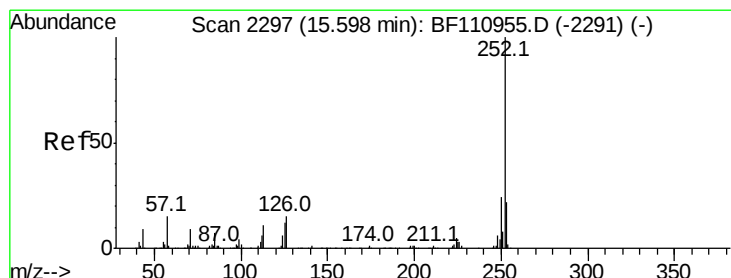
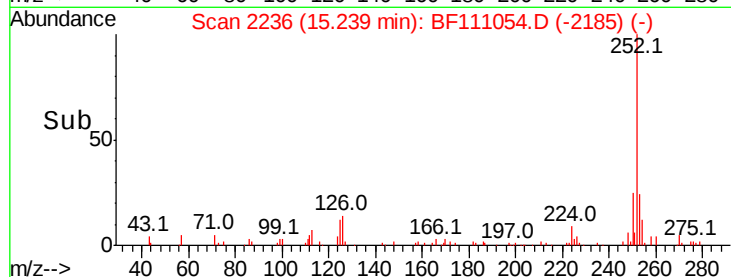
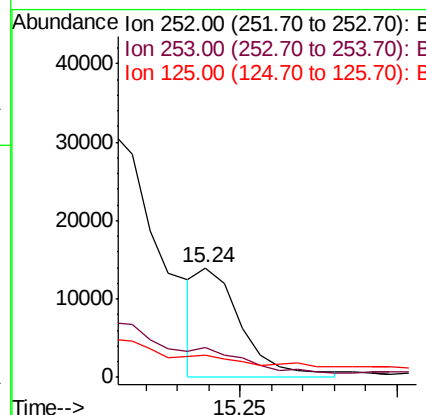
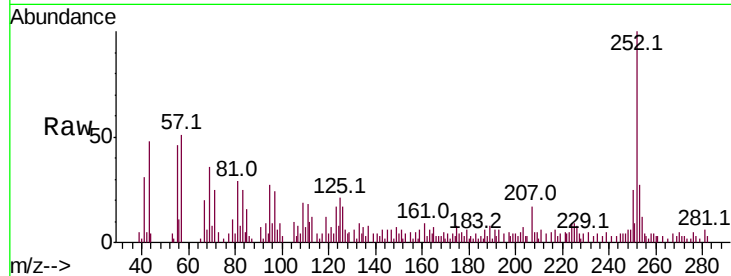
#89
Benzo(k)fluoranthene
Concen: 2.241 ng m
RT: 15.24 min Scan# 2236
Delta R.T. -0.00 min
Lab File: BF111054.D
Acq: 28 Nov 2018 19:15

Instrument :
BNA_F
ClientSampleId :
RCA-05

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.3	17.2	25.8#
125	20.8	7.4	11.0#

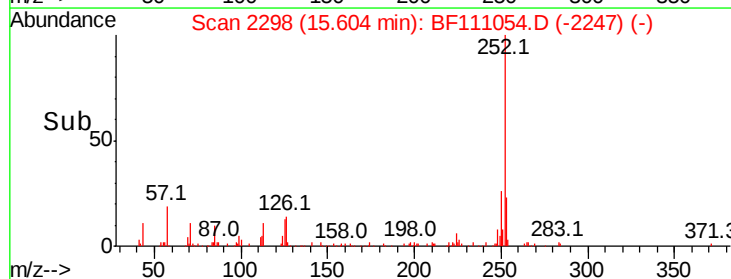
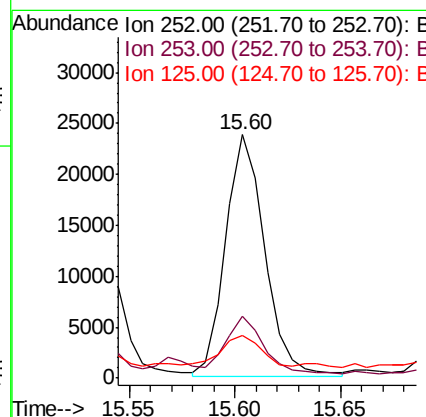
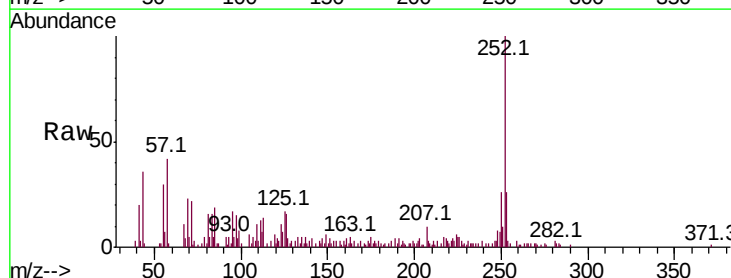
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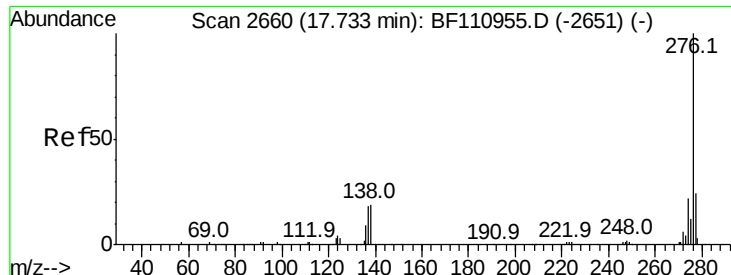
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#90
Benzo(a)pyrene
Concen: 5.566 ng
RT: 15.60 min Scan# 2298
Delta R.T. -0.00 min
Lab File: BF111054.D
Acq: 28 Nov 2018 19:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.6	18.2	27.4
125	17.5	9.0	13.6#





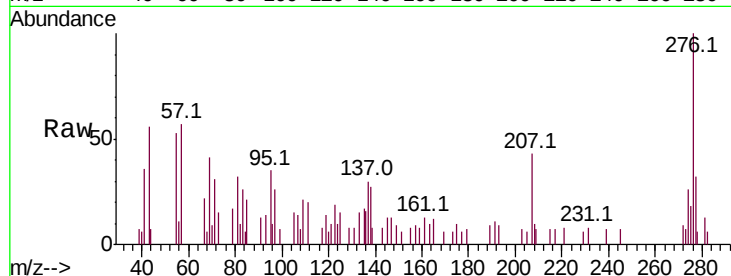
#92
 Benzo(a,h,i)perylene
 Concen: 3.293 ng
 RT: 17.76 min Scan# 2665
 Delta R.T. 0.02 min
 Lab File: BF111054.D
 Acq: 28 Nov 2018 19:15

Instrument :
 BNA_F
 ClientSampleId :
 RCA-05

Tot Ion	Ratio	Lower	Upper
276	100		
277	31.8	18.8	28.2#
138	27.4	16.0	24.0#

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

