

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112818\
 Data File : BF111053.D
 Acq On : 28 Nov 2018 18:48
 Operator : JU/SJ
 Sample : J6080-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RCA-04

Manual Integrations
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Quant Time: Nov 29 02:57:29 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	56574	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	229179	20.00	ng	0.00
39) Acenaphthene-d10	9.97	164	103815	20.00	ng	0.00
64) Phenanthrene-d10	11.47	188	167554	20.00	ng	0.00
76) Chrysene-d12	14.13	240	109167	20.00	ng	0.00
87) Perylene-d12	15.66	264	109769	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	319341	93.61	ng	0.00
7) Phenol-d6	6.56	99	397344	89.38	ng	0.00
23) Nitrobenzene-d5	7.50	82	258534	64.56	ng	-0.01
42) 2,4,6-Tribromophenol	10.77	330	87686	85.05	ng	-0.01
45) 2-Fluorobiphenyl	9.29	172	430619	60.09	ng	0.00
79) Terphenyl-d14	13.05	244	282597	50.39	ng	0.00

Target Compounds				Qvalue		
10) Phenol	6.57	94	19452	3.885	ng	91
31) Naphthalene	8.24	128	50331	4.685	ng	99
50) Dimethylphthalate	9.69	163	78646	10.329	ng	98
52) Acenaphthene	10.01	154	21081	3.332	ng	97
55) Dibenzofuran	10.19	168	27653	2.996	ng	96
58) Fluorene	10.53	166	33283	4.635	ng	97
71) Phenanthrene	11.49	178	209689	23.629	ng	99
72) Anthracene	11.55	178	126224	13.967	ng	97
73) Carbazole	11.72	167	28602	3.261	ng	99
75) Fluoranthene	12.69	202	138759	15.214	ng	99
78) Pyrene	12.93	202	109252	13.702	ng	96
81) Benzo(a)anthracene	14.12	228	42769m	6.636	ng	
83) Chrysene	14.16	228	42778	6.742	ng	98
86) Indeno(1,2,3-cd)pyrene	17.28	276	15924	3.497	ng	95
88) Benzo(b)fluoranthene	15.21	252	42340m	6.566	ng	
89) Benzo(k)fluoranthene	15.24	252	14900m	2.245	ng	
90) Benzo(a)pyrene	15.60	252	32028	5.336	ng	96
92) Benzo(g,h,i)perylene	17.76	276	13948	2.921	ng	97

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

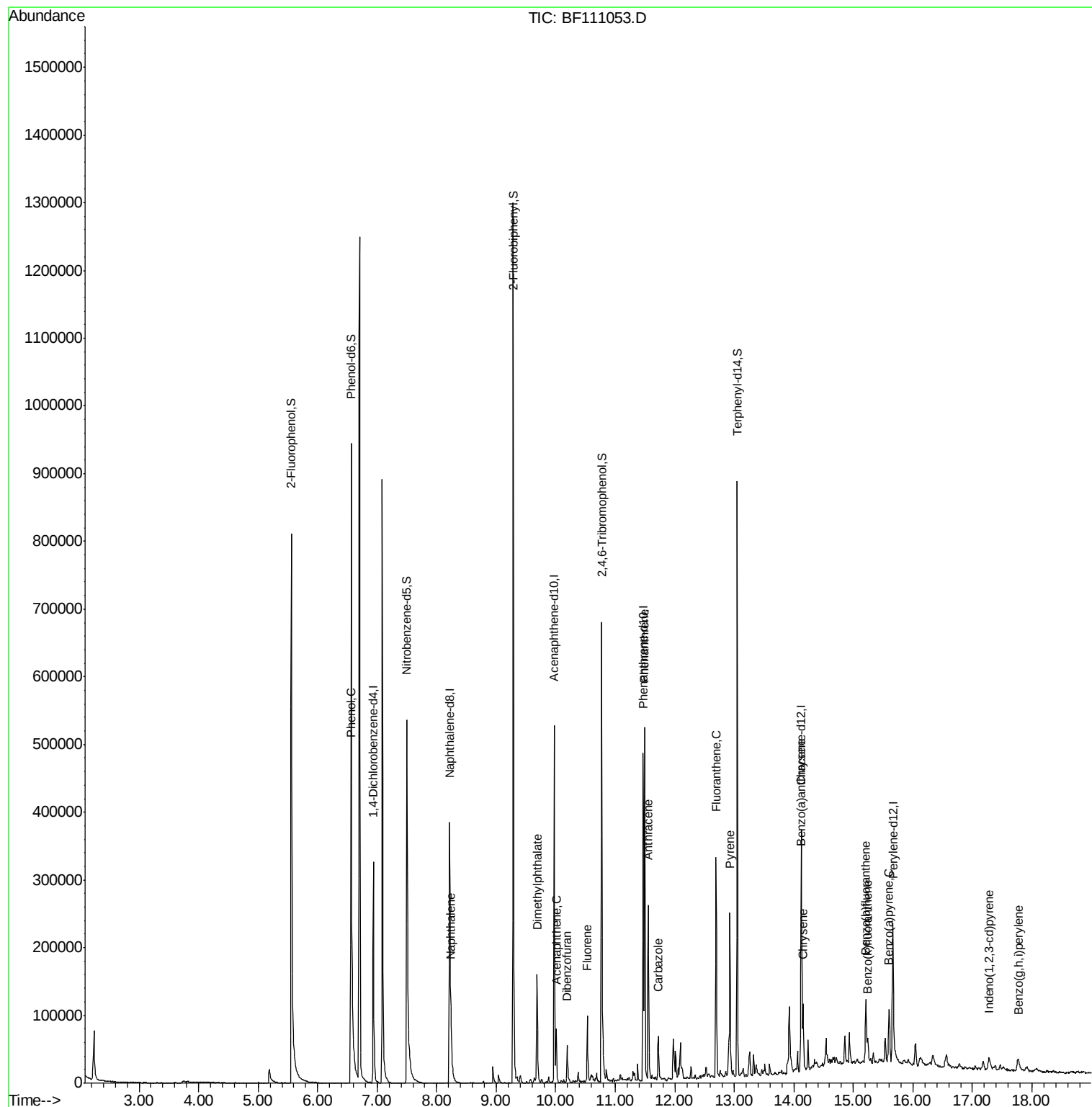
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112818\
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ALS Vial : 14 Sample Multiplier: 1

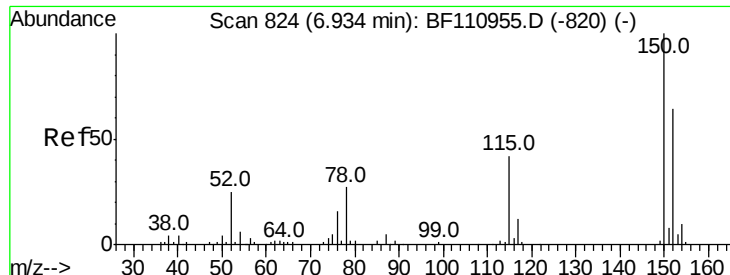
Instrument :
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RCA-04

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#1

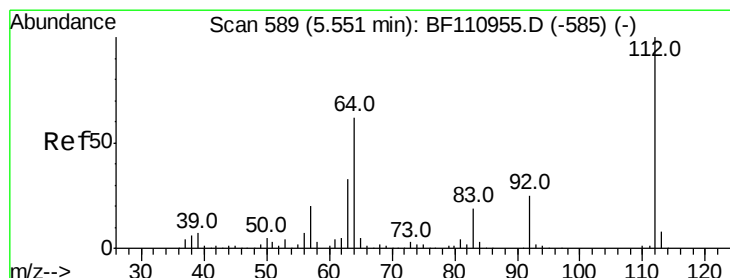
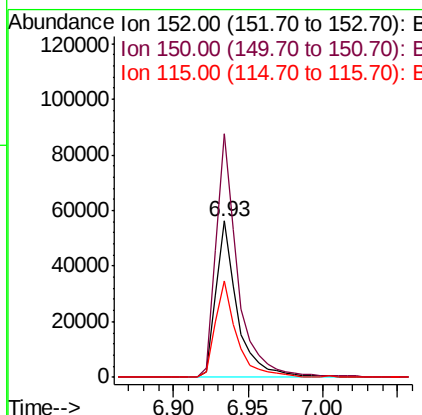
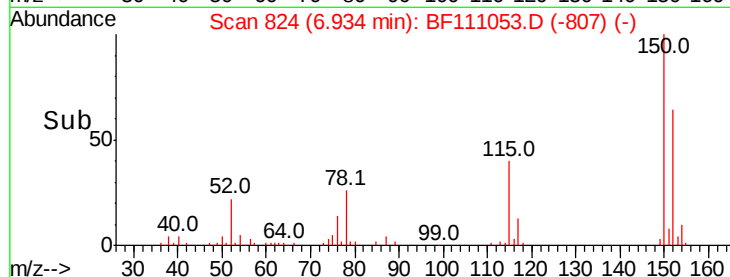
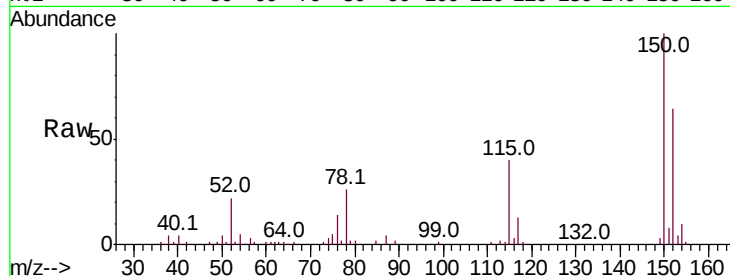
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 824
Delta R.T. 0.00 min
Lab File: BF111053.D
Acq: 28 Nov 2018 18:48

Instrument :
BNA_F
ClientSampleId :
RCA-04

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	122.7	184.1
115	61.7	49.1	73.7

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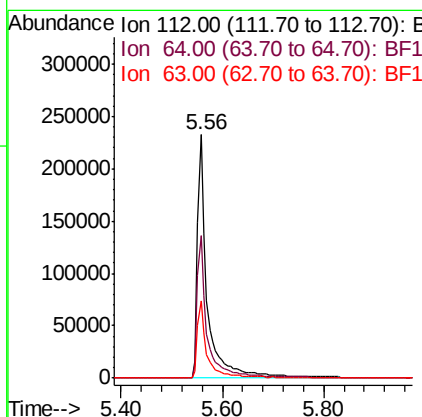
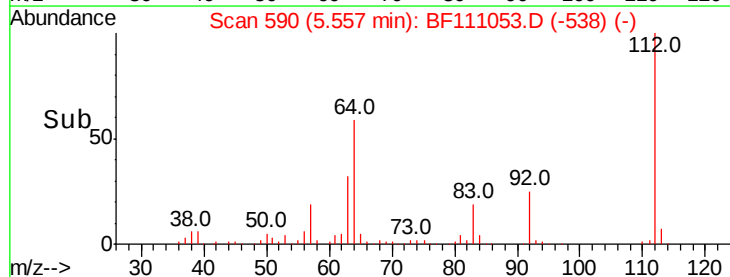
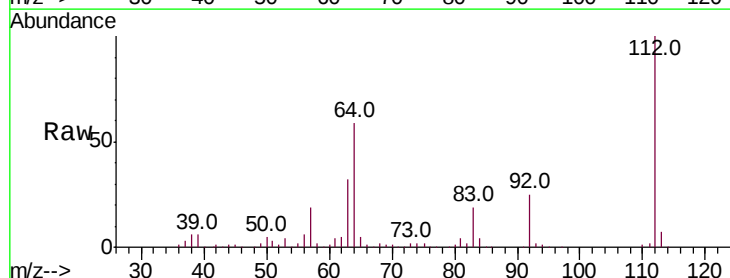
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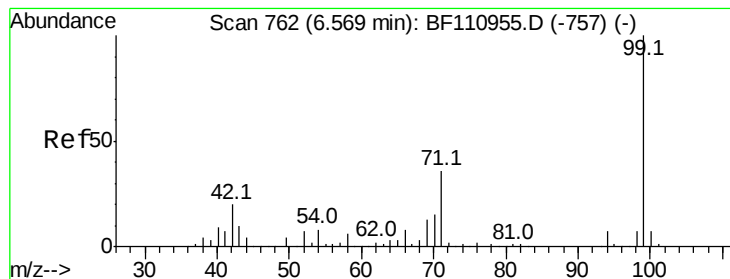


#5

2-Fluorophenol
Concen: 93.606 ng
RT: 5.56 min Scan# 590
Delta R.T. 0.01 min
Lab File: BF111053.D
Acq: 28 Nov 2018 18:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.7	44.1	66.1
63	31.9	23.7	35.5





#7

Phenol-d6

Concen: 89.375 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF111053.D

Acq: 28 Nov 2018 18:48

Instrument :

BNA_F

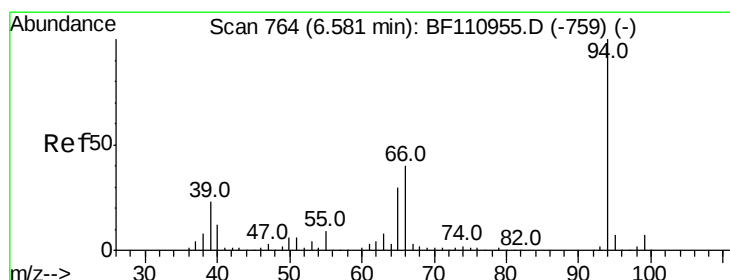
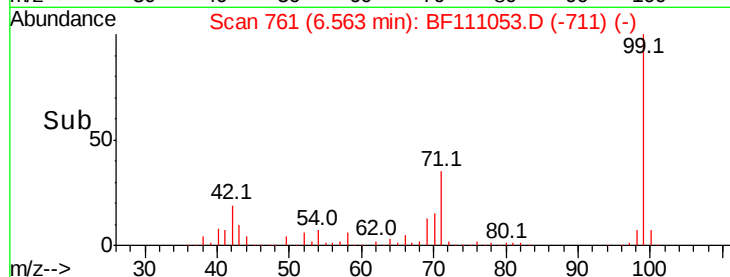
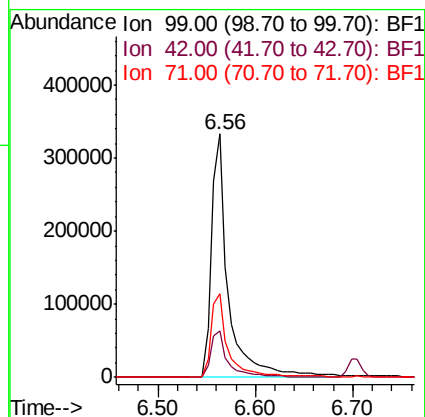
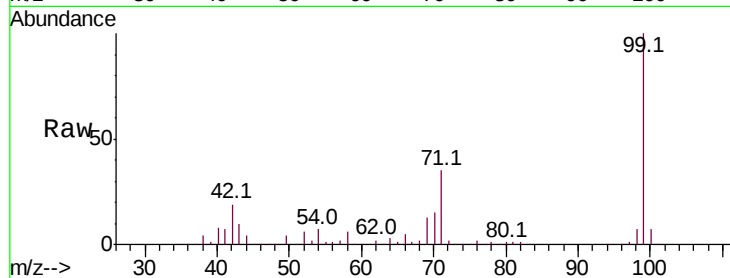
ClientSampled :

RCA-04

Tot Ion:	99	Resp:	397344
Ion Ratio	Lower	Upper	
99	100		
42	19.1	15.8	23.6
71	34.6	28.0	42.0

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#10

Phenol

Concen: 3.885 ng

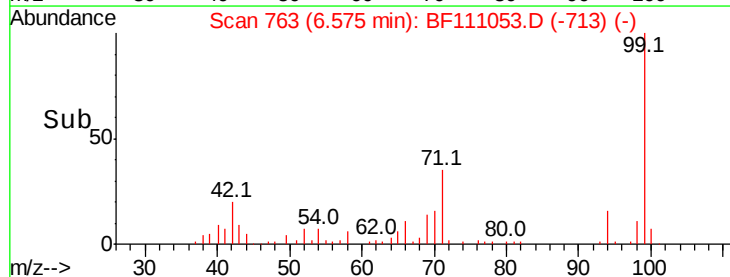
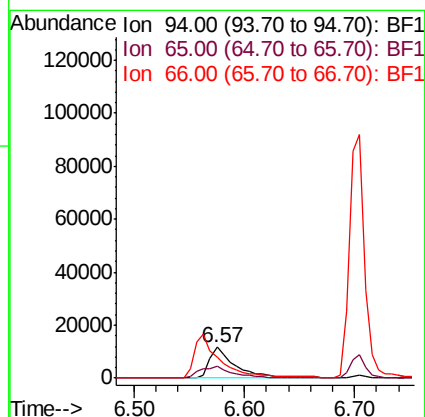
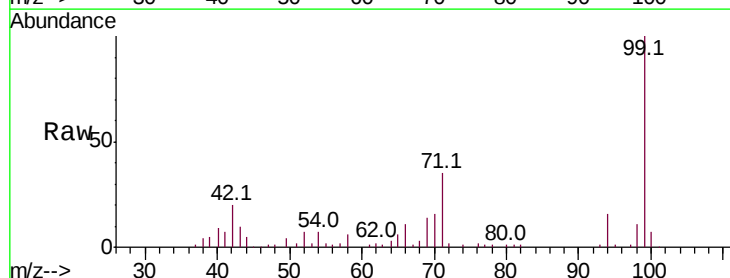
RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF111053.D

Acq: 28 Nov 2018 18:48

Tgt Ion:	94	Resp:	19452
Ion Ratio	Lower	Upper	
94	100		
65	37.2	25.3	65.3
66	68.4	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: BF111053.D

Acq: 28 Nov 2018 18:48

Instrument :

BNA_F

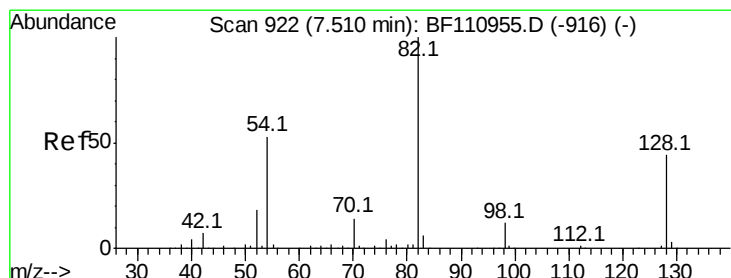
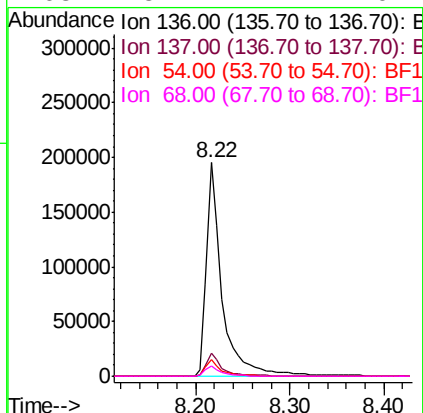
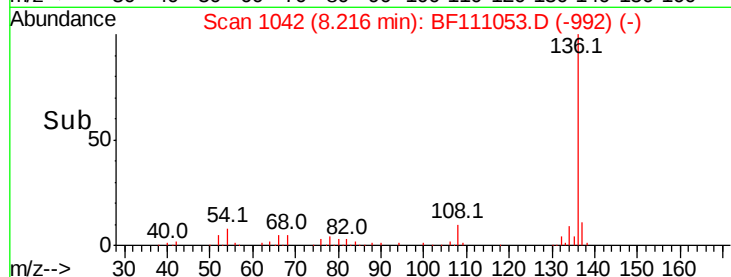
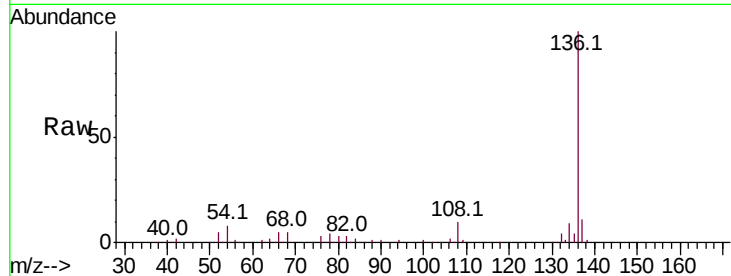
ClientSampleId :

RCA-04

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.7	8.8	13.2	
54	7.9	5.4	8.2	
68	5.1	4.2	6.2	

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#23

Nitrobenzene-d5

Concen: 64.561 ng

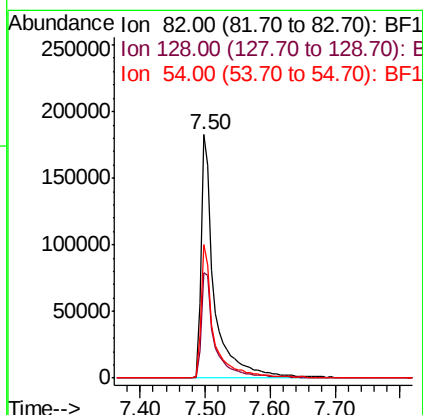
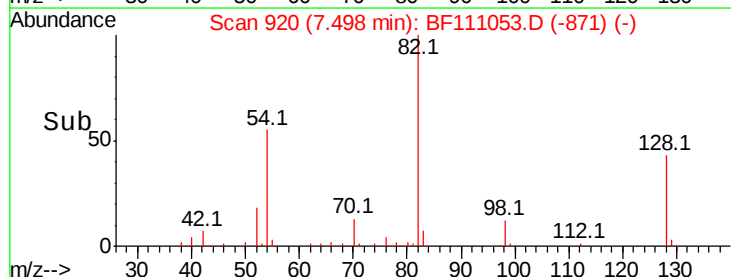
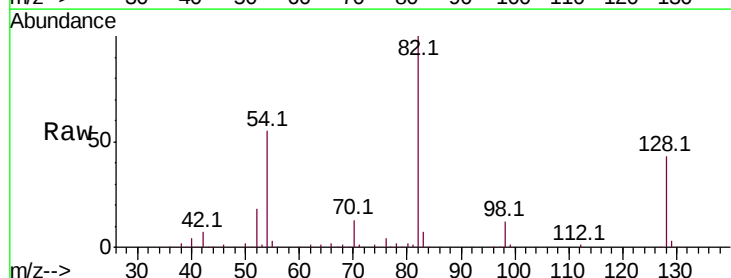
RT: 7.50 min Scan# 920

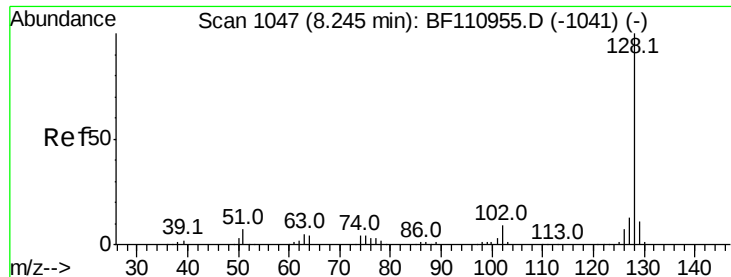
Delta R.T. -0.01 min

Lab File: BF111053.D

Acq: 28 Nov 2018 18:48

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	43.1	34.2	51.2	
54	54.7	38.6	58.0	





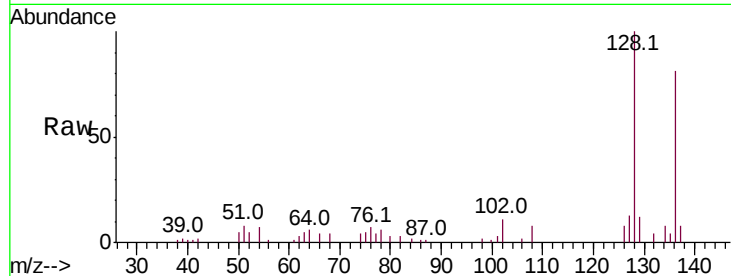
#31
Naphthalene
Concen: 4.685 ng
RT: 8.24 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BF111053.D
Acq: 28 Nov 2018 18:48

Instrument :
BNA_F
ClientSampleId :
RCA-04

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.7	8.8	13.2
127	13.4	10.8	16.2

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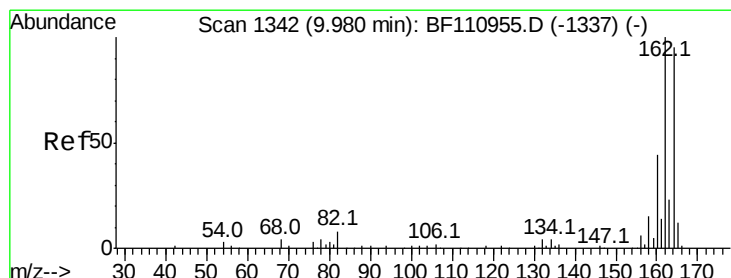
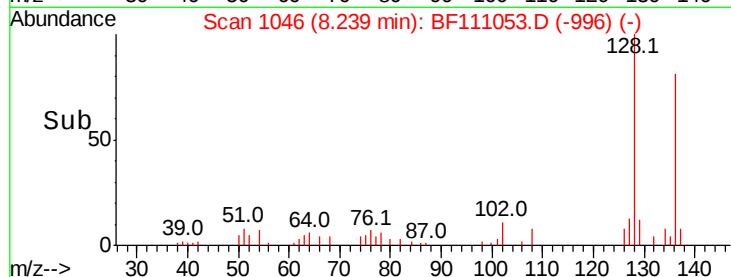
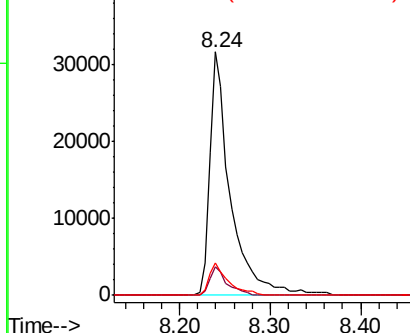


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BF111053.D
Acq: 28 Nov 2018 18:48

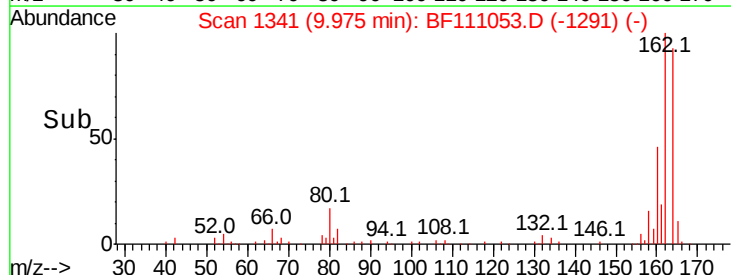
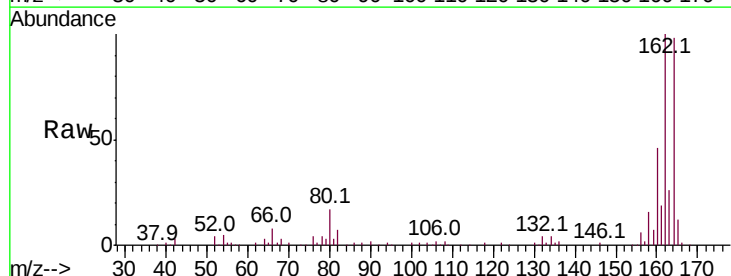
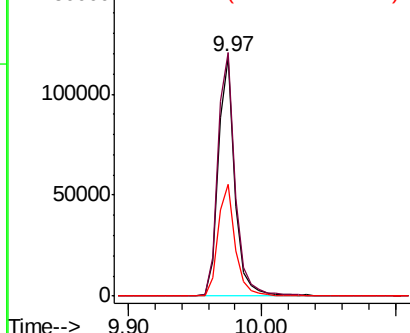
Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.1	83.0	124.6
160	46.9	37.0	55.6

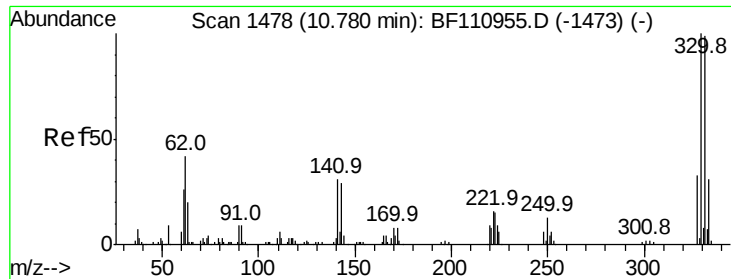
Abundance

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: 85.048 ng

RT: 10.77 min Scan# 1476

Delta R.T. -0.01 min

Lab File: BF111053.D

Acq: 28 Nov 2018 18:48

Instrument :

BNA_F

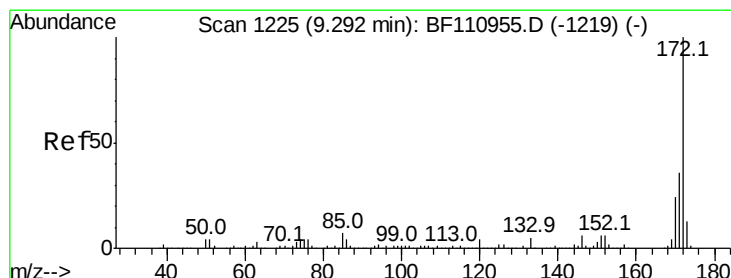
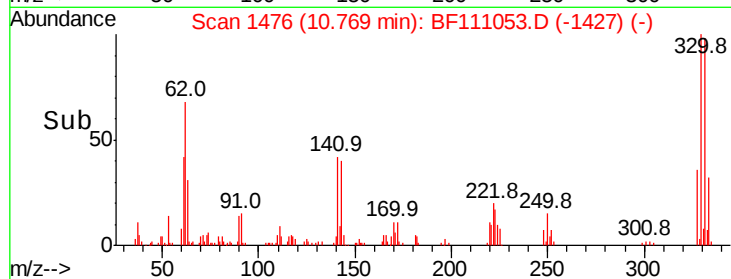
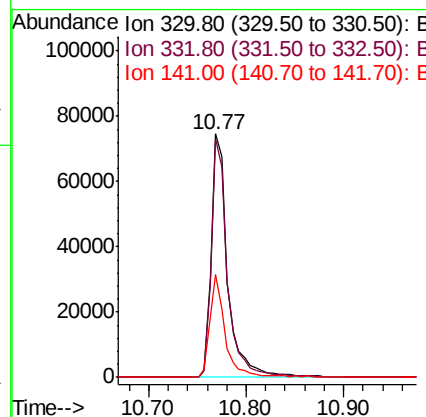
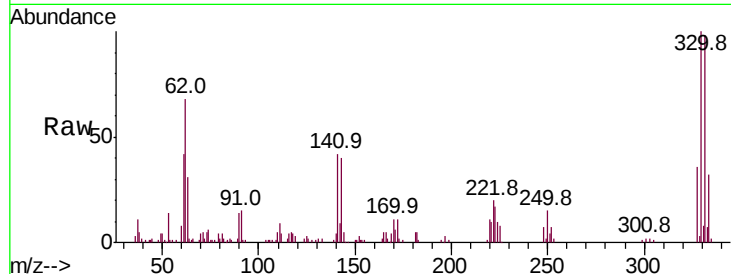
ClientSampled :

RCA-04

Tot Ion:	330	Resp:	87686
Ion Ratio	Lower	Upper	
330	100		
332	95.8	77.1	115.7
141	39.3	27.0	40.4

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#45

2-Fluorobiphenyl

Concen: 60.094 ng

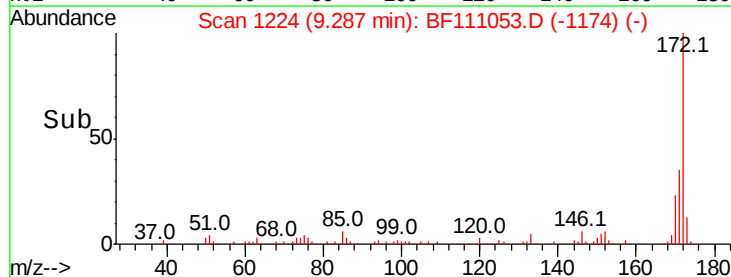
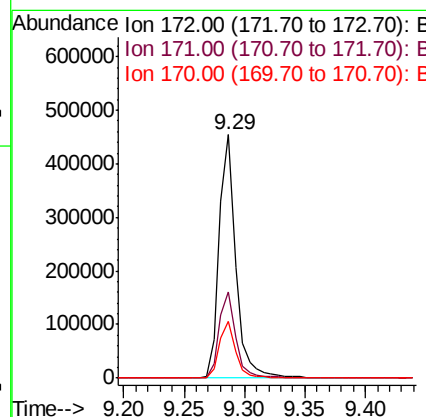
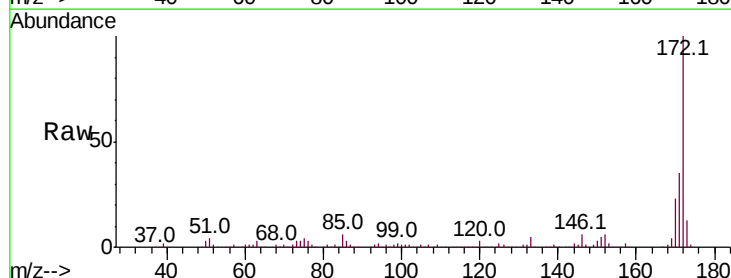
RT: 9.29 min Scan# 1224

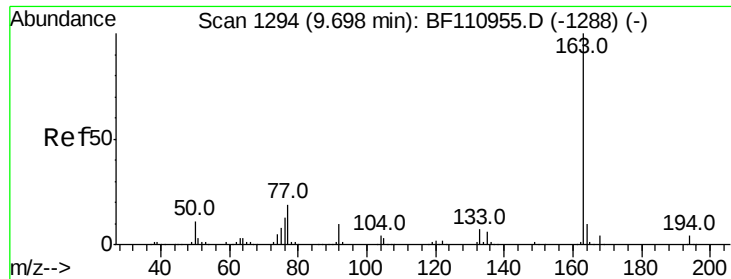
Delta R.T. -0.01 min

Lab File: BF111053.D

Acq: 28 Nov 2018 18:48

Tgt Ion:	172	Resp:	430619
Ion Ratio	Lower	Upper	
172	100		
171	35.1	28.6	43.0
170	23.1	19.7	29.5





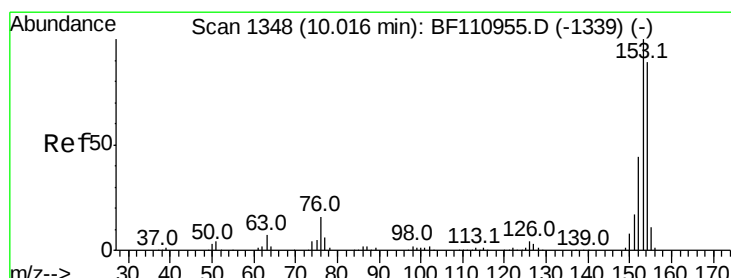
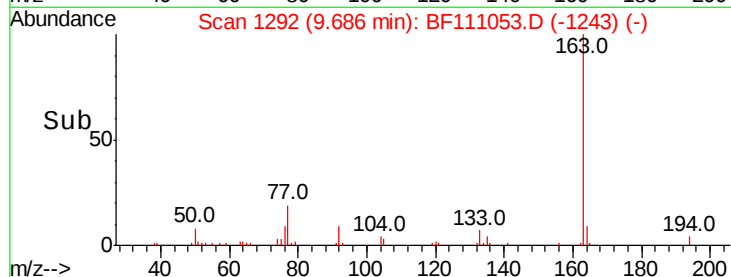
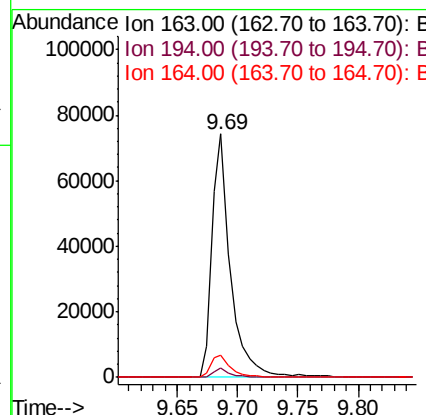
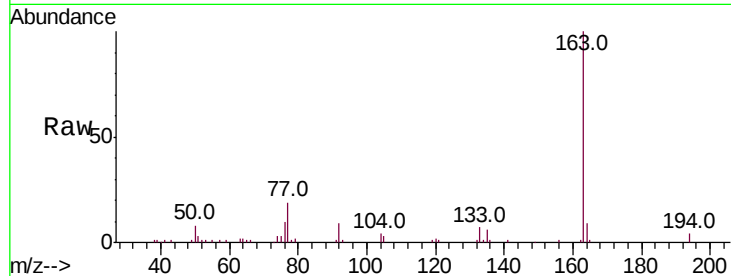
#50
Dimethylphthalate
Concen: 10.329 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BF111053.D
Acq: 28 Nov 2018 18:48

Instrument :
BNA_F
ClientSampleId :
RCA-04

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.7		3.2	4.8
164	9.1		8.1	12.1

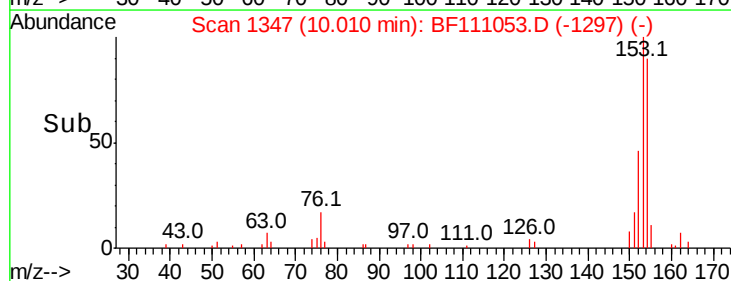
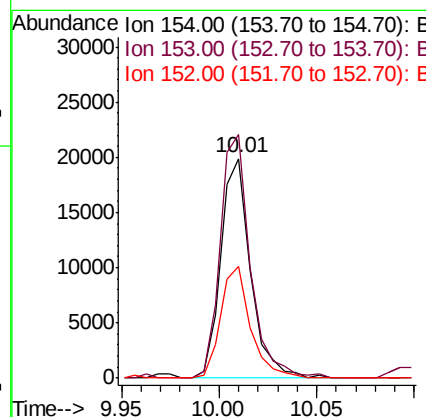
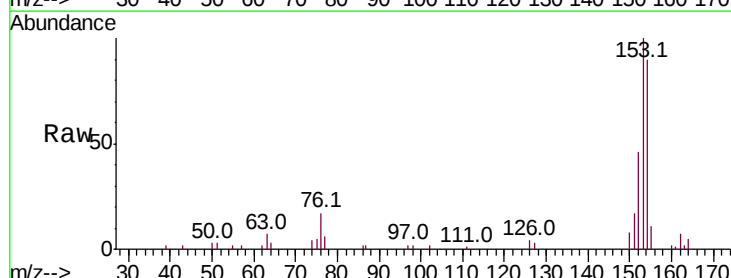
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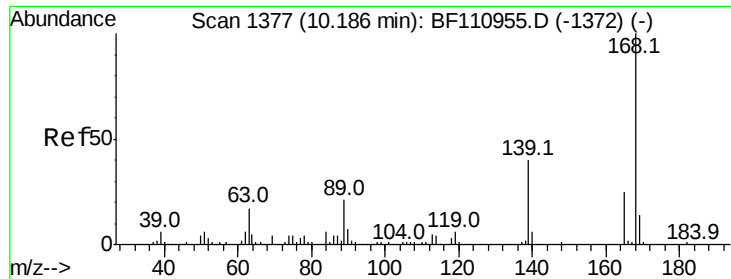
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#52
Acenaphthene
Concen: 3.332 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.01 min
Lab File: BF111053.D
Acq: 28 Nov 2018 18:48

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	110.9		90.1	135.1
152	50.8		43.4	65.2





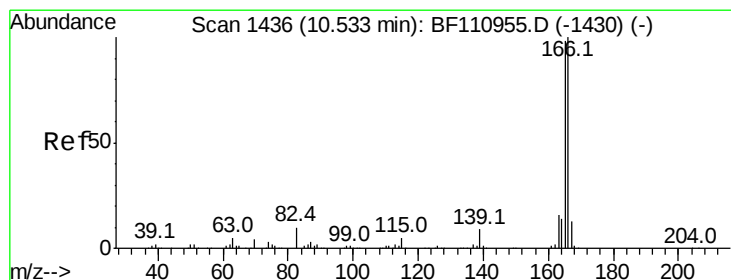
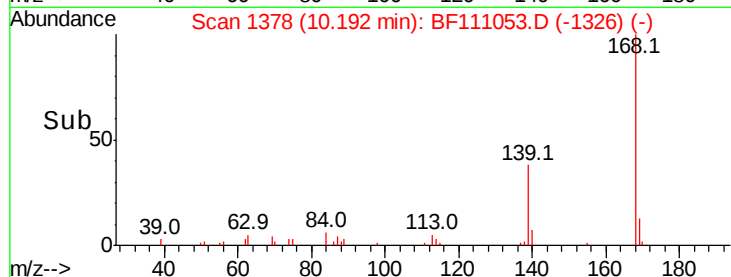
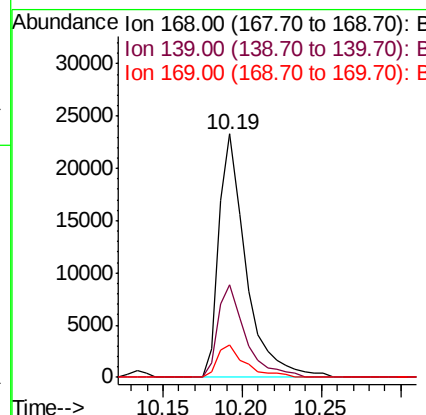
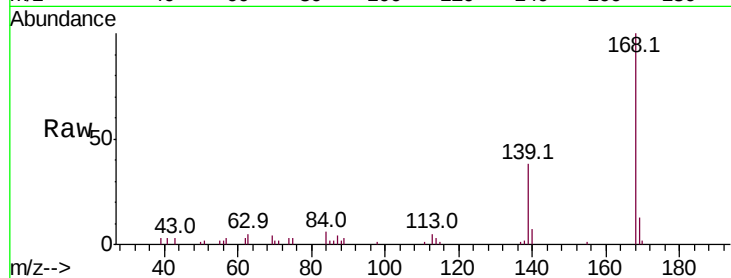
#55
Dibenzofuran
Concen: 2.996 ng
RT: 10.19 min Scan# 1378
Delta R.T. 0.01 min
Lab File: BF111053.D
Acq: 28 Nov 2018 18:48

Instrument :
BNA_F
ClientSampleId :
RCA-04

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.0	33.0	49.6
169	13.4	11.3	16.9

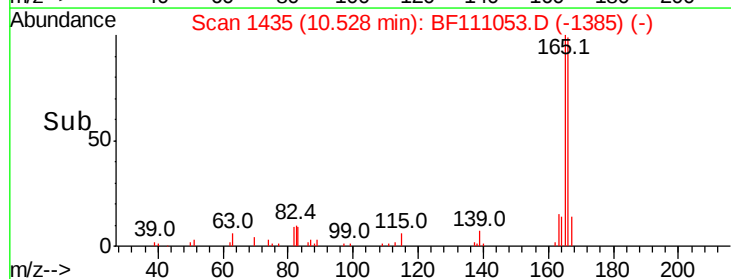
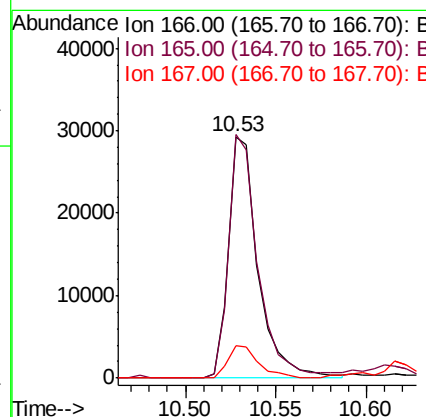
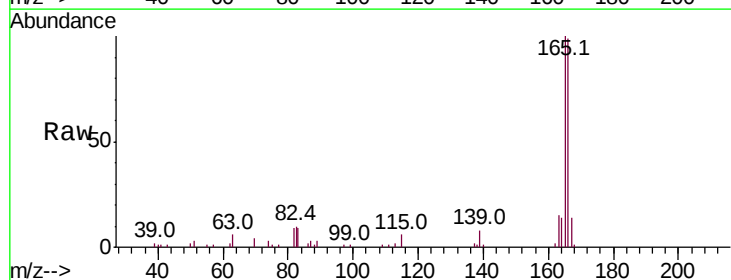
Manual Integrations
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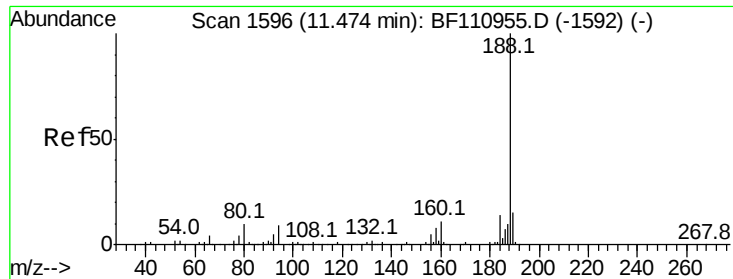
mohammad
11/29/2018 1:58:25 PM



#58
Fluorene
Concen: 4.635 ng
RT: 10.53 min Scan# 1435
Delta R.T. -0.01 min
Lab File: BF111053.D
Acq: 28 Nov 2018 18:48

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.0	78.6	117.8
167	13.7	10.8	16.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.47 min Scan# 1595

Delta R.T. -0.01 min

Lab File: BF111053.D

Acq: 28 Nov 2018 18:48

Instrument :

BNA_F

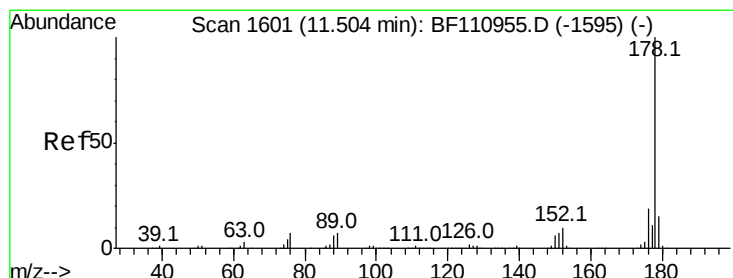
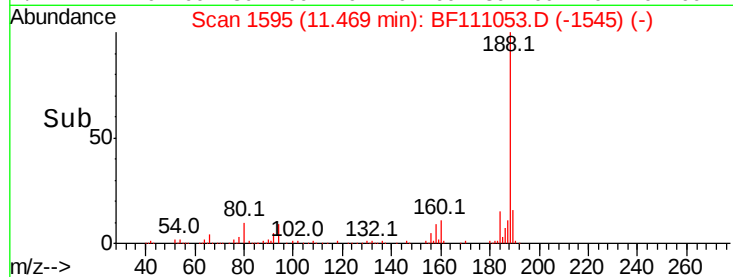
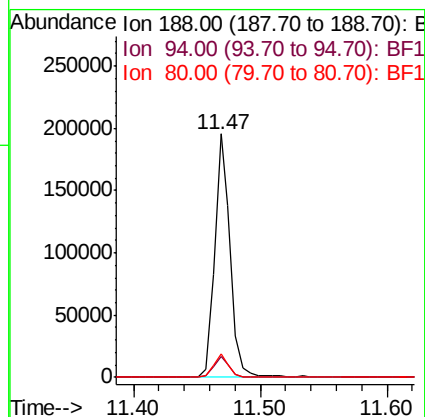
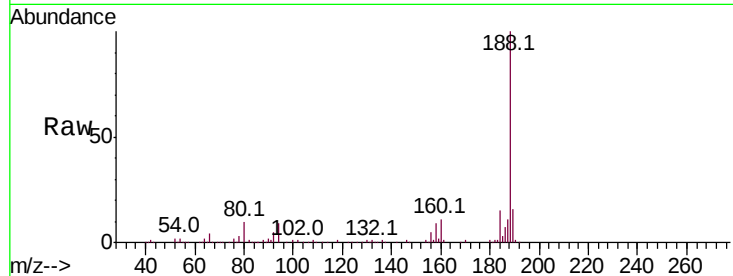
ClientSampled :

RCA-04

Tot Ion:188	Resp:	167554
Ion Ratio	Lower	Upper
188 100		
94 8.6	7.2	10.8
80 9.8	7.9	11.9

Manual Integrations
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#71

Phenanthrene

Concen: 23.629 ng

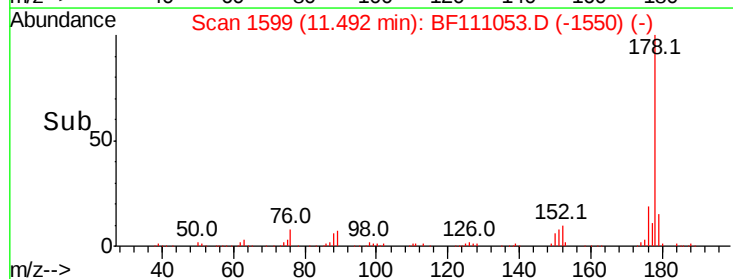
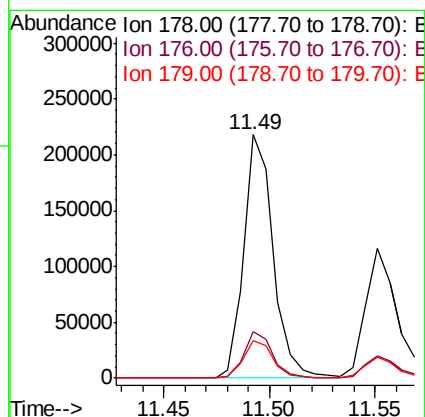
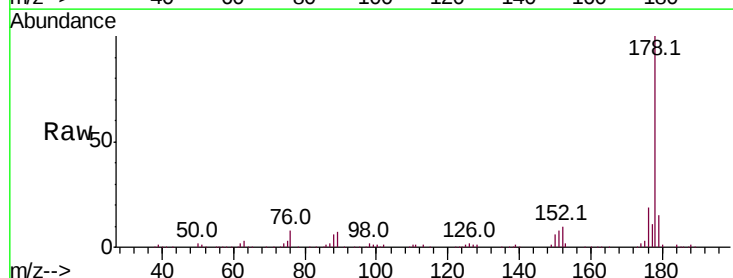
RT: 11.49 min Scan# 1599

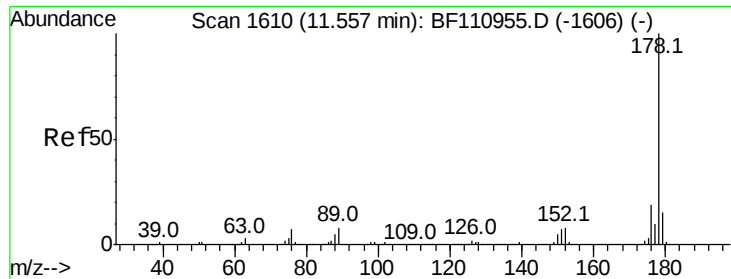
Delta R.T. -0.01 min

Lab File: BF111053.D

Acq: 28 Nov 2018 18:48

Tgt Ion:178	Resp:	209689
Ion Ratio	Lower	Upper
178 100		
176 19.1	15.5	23.3
179 15.4	12.5	18.7





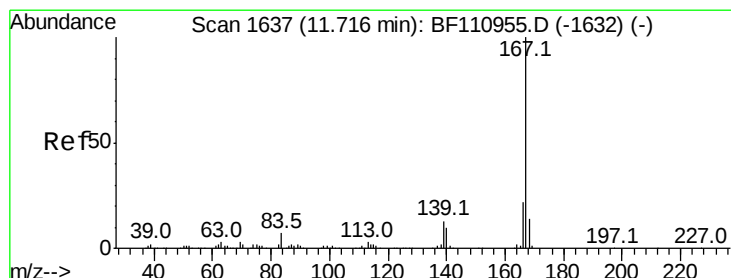
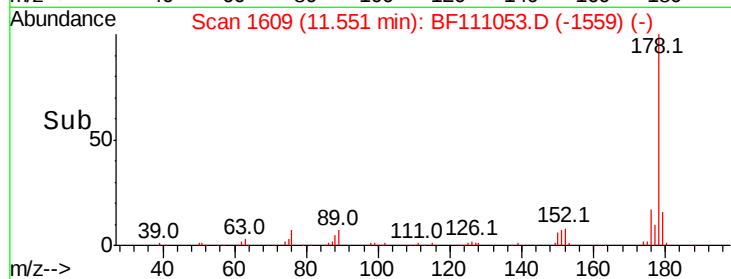
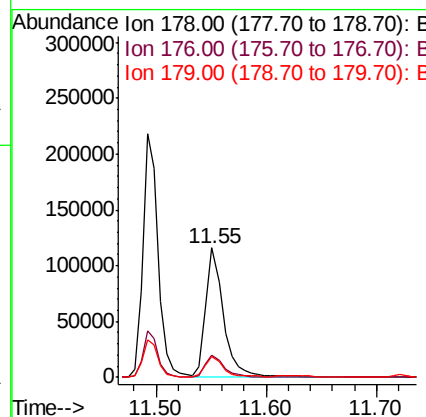
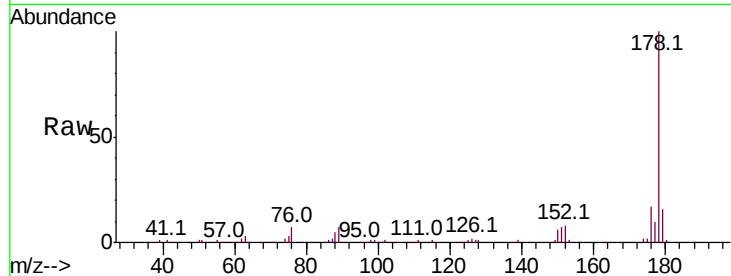
#72
 Anthracene
 Concen: 13.967 ng
 RT: 11.55 min Scan# 1609
 Delta R.T. -0.01 min
 Lab File: BF111053.D
 Acq: 28 Nov 2018 18:48

Instrument :
 BNA_F
 ClientSampled :
 RCA-04

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.1	15.4	23.2
179	16.4	12.6	18.8

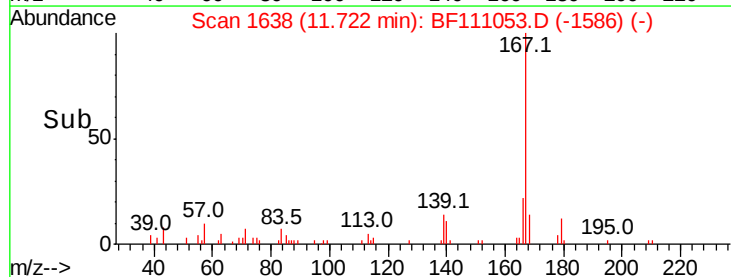
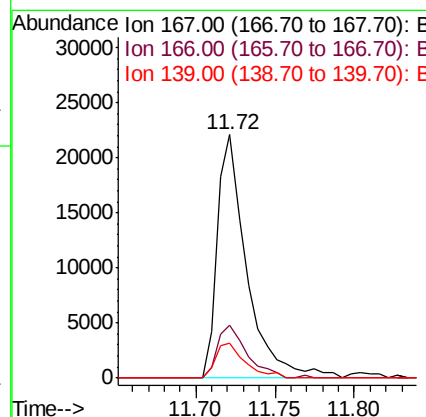
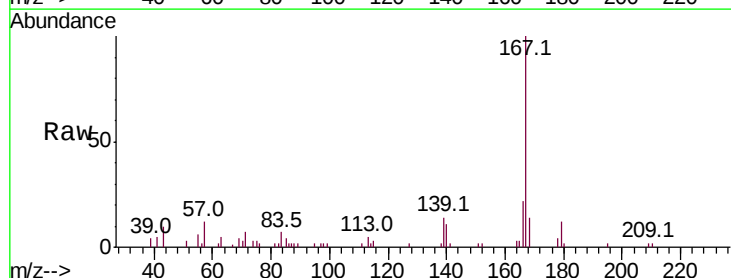
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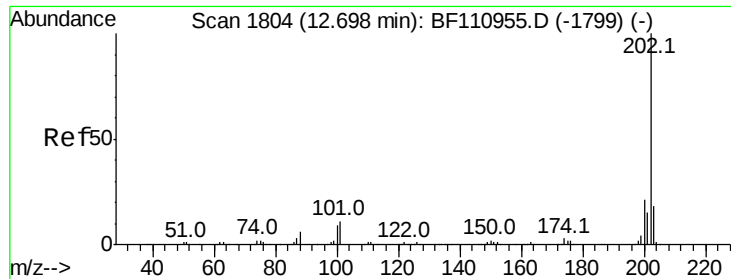
mohammad
 11/29/2018 1:58:25 PM



#73
 Carbazole
 Concen: 3.261 ng
 RT: 11.72 min Scan# 1638
 Delta R.T. 0.01 min
 Lab File: BF111053.D
 Acq: 28 Nov 2018 18:48

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.4	26.0
139	14.2	10.9	16.3





#75

Fluoranthene

Concen: 15.214 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF111053.D

Acq: 28 Nov 2018 18:48

Instrument :

BNA_F

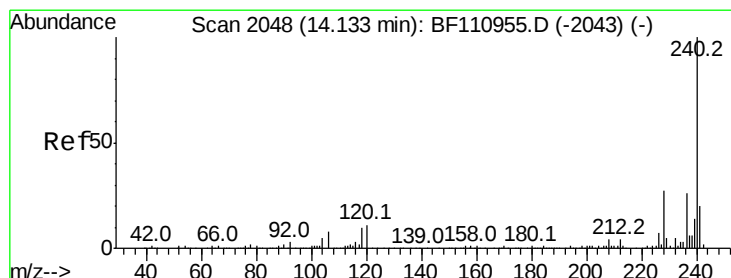
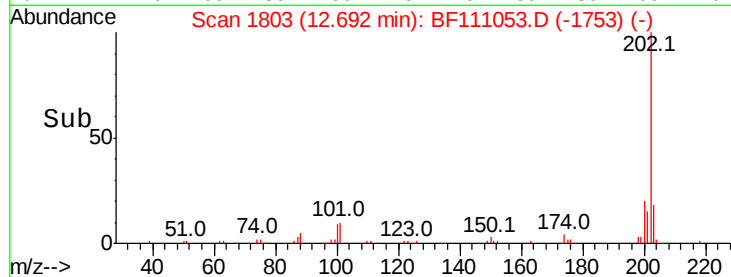
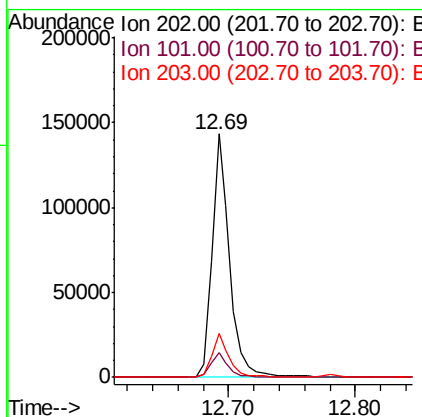
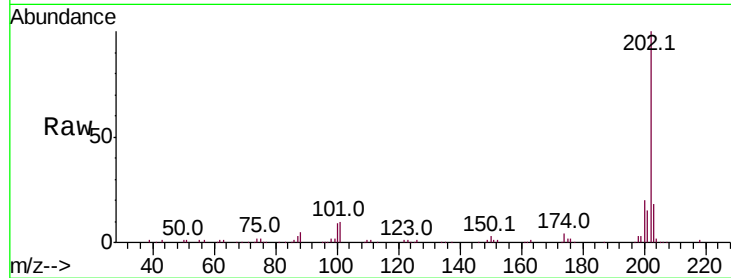
ClientSampleId :

RCA-04

Tot Ion:	202	Resp:	138759
Ion Ratio	Lower	Upper	
202	100		
101	10.3	0.0	31.4
203	17.9	0.0	37.7

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

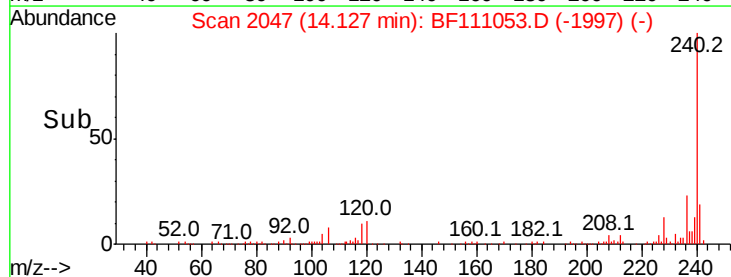
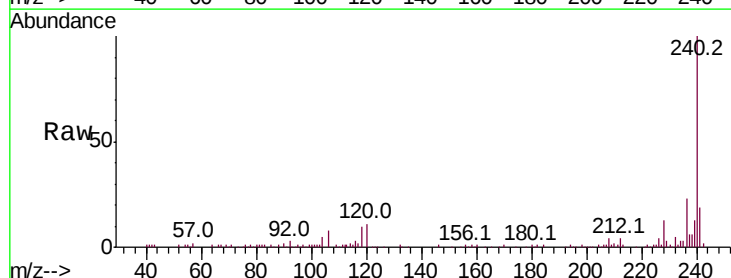
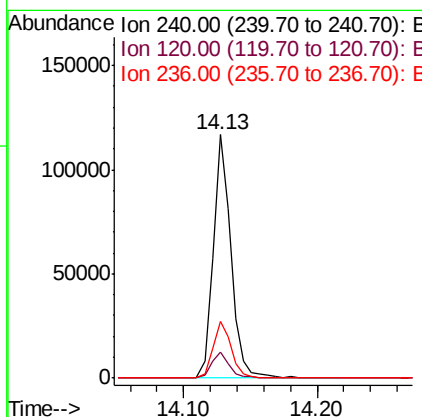
RT: 14.13 min Scan# 2047

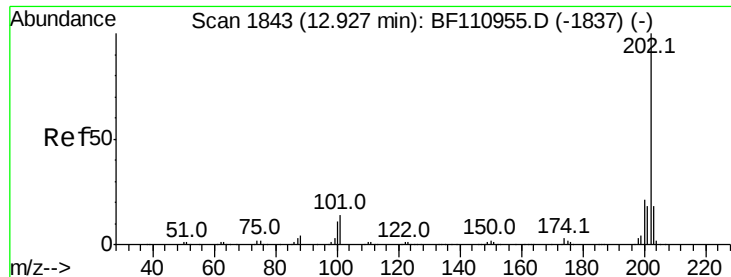
Delta R.T. -0.01 min

Lab File: BF111053.D

Acq: 28 Nov 2018 18:48

Tgt Ion:	240	Resp:	109167
Ion Ratio	Lower	Upper	
240	100		
120	10.8	8.3	12.5
236	23.5	21.2	31.8





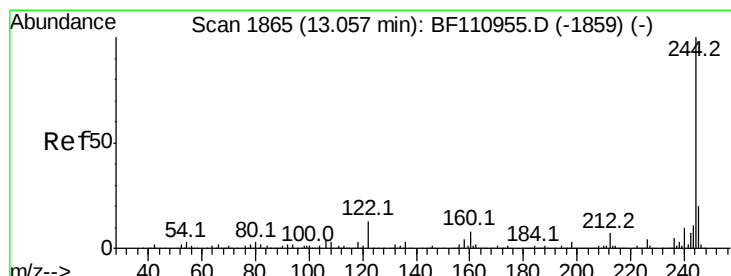
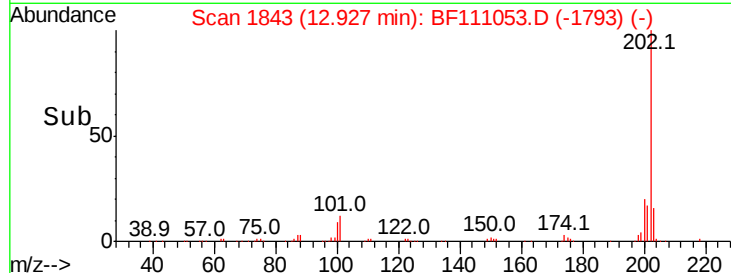
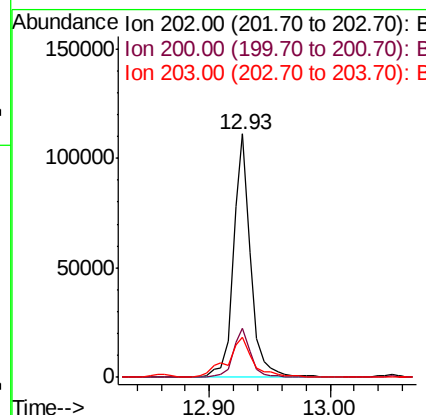
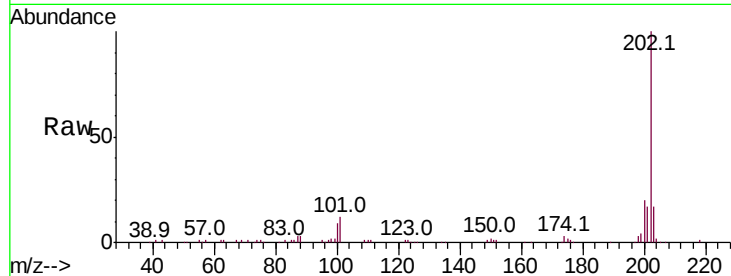
#78
Pvrene
Concen: 13.702 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BF111053.D
Acq: 28 Nov 2018 18:48

Instrument :
BNA_F
ClientSampled :
RCA-04

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	19.9	17.8	26.6
203	16.7	14.2	21.4

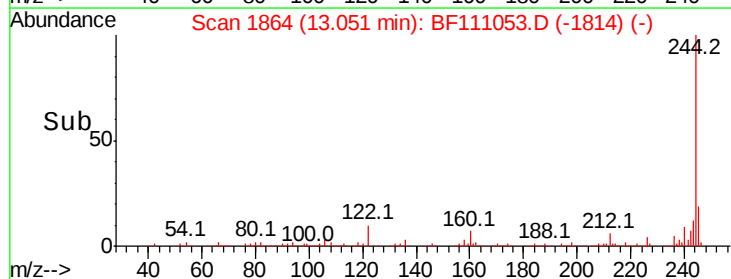
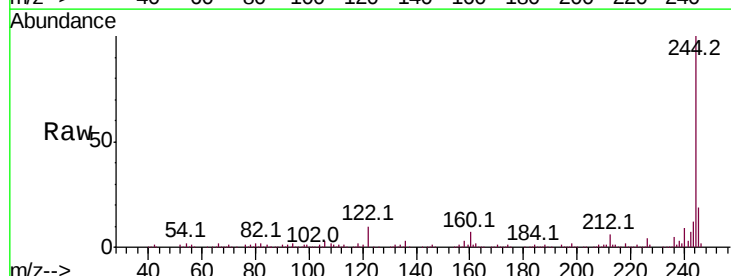
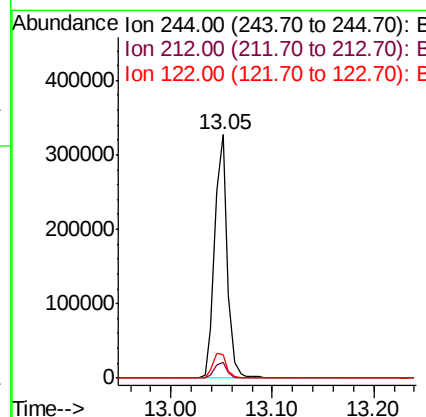
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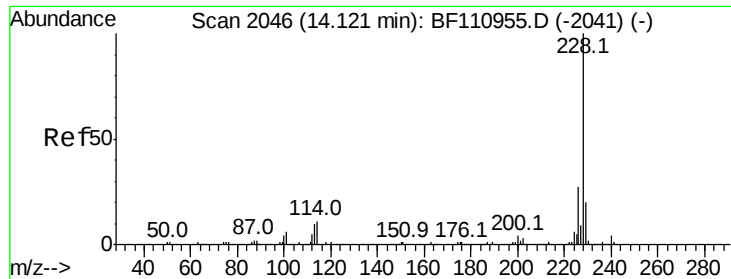
mohammad
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#79
Terphenyl-d14
Concen: 50.392 ng
RT: 13.05 min Scan# 1864
Delta R.T. -0.01 min
Lab File: BF111053.D
Acq: 28 Nov 2018 18:48

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.4	5.8	8.8
122	9.6	8.7	13.1





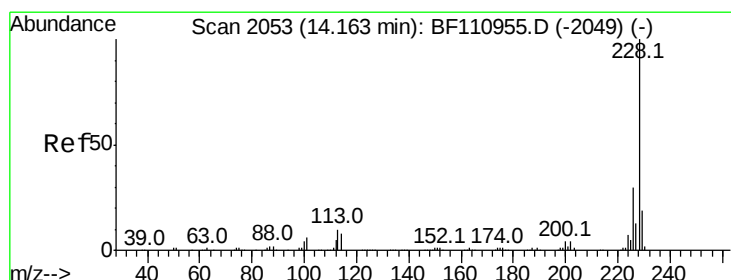
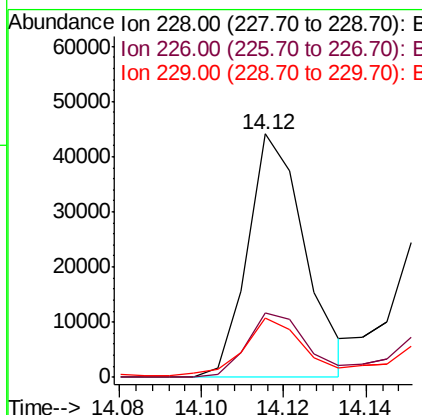
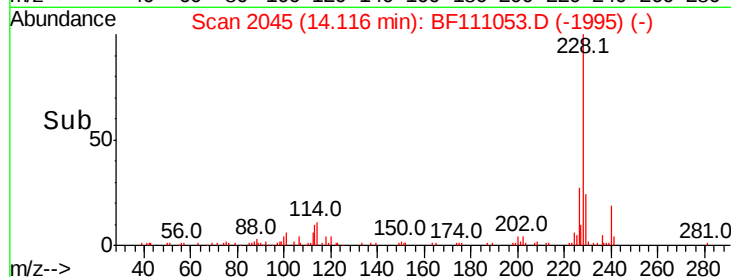
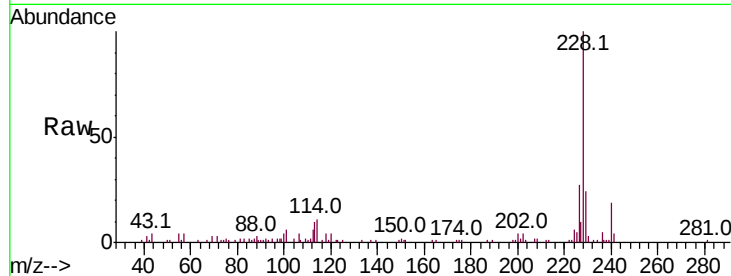
#81
Benzo(a)anthracene
Concen: 6.636 ng m
RT: 14.12 min Scan# 2045
Delta R.T. -0.01 min
Lab File: BF111053.D
Acq: 28 Nov 2018 18:48

Instrument :
BNA_F
ClientSampled :
RCA-04

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.5	22.1	33.1
229	24.2	15.6	23.4

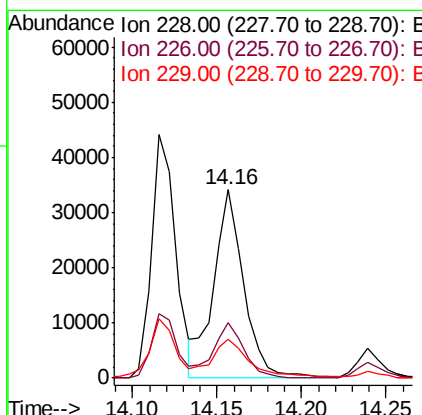
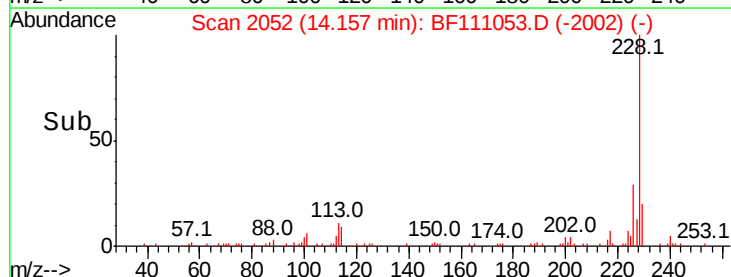
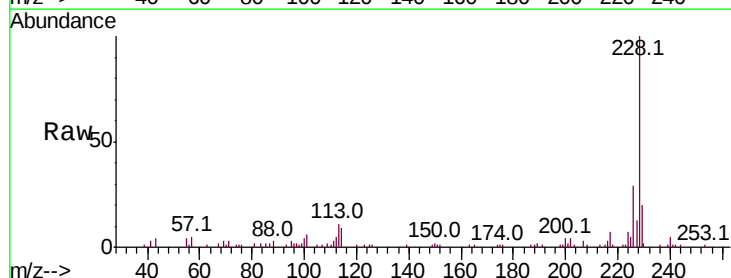
Manual Integrations
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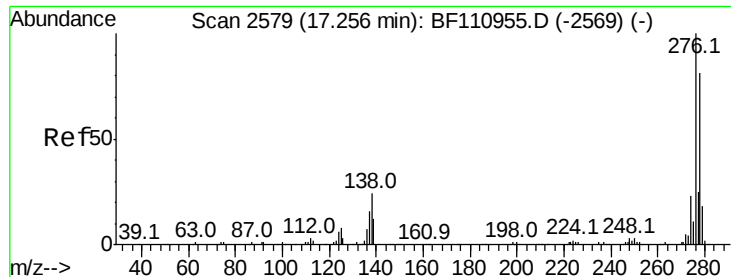
mohammad
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#83
Chrysene
Concen: 6.742 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BF111053.D
Acq: 28 Nov 2018 18:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.7	37.1
229	20.5	15.9	23.9





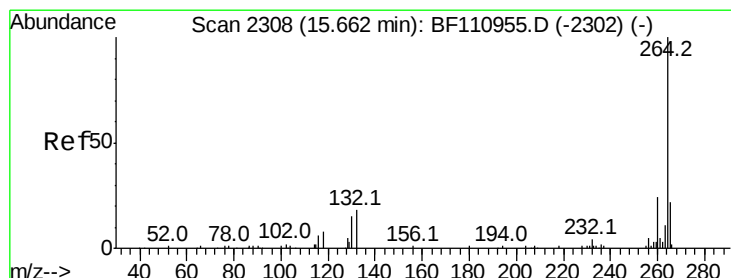
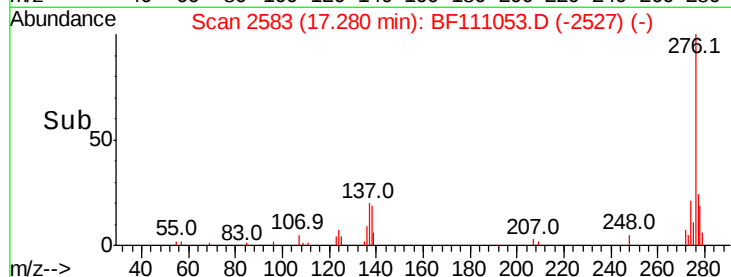
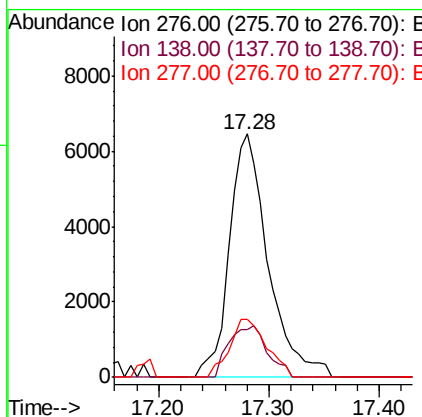
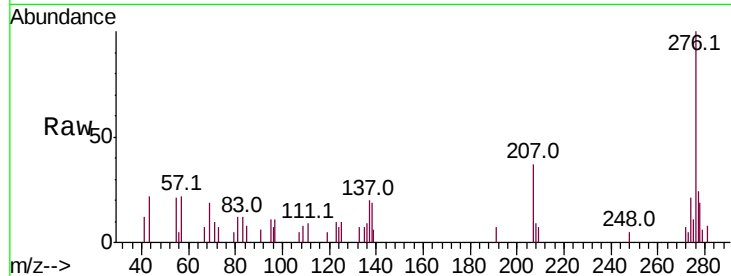
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.497 ng
RT: 17.28 min Scan# 2583
Delta R.T. 0.03 min
Lab File: BF111053.D
Acq: 28 Nov 2018 18:48

Instrument :
BNA_F
ClientSampleId :
RCA-04

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.9	18.5	27.7
277	22.8	20.0	30.0

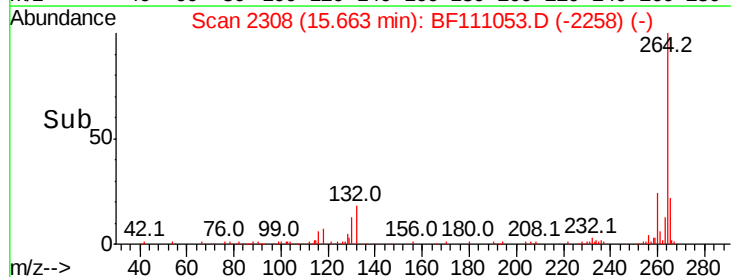
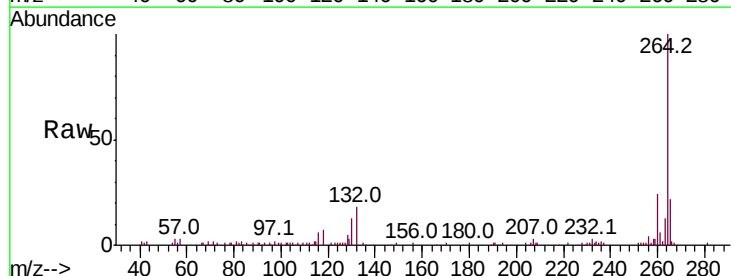
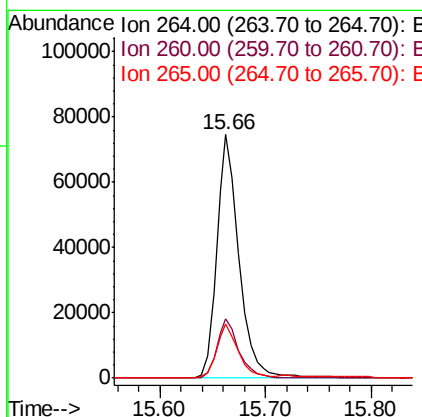
Manual Integrations
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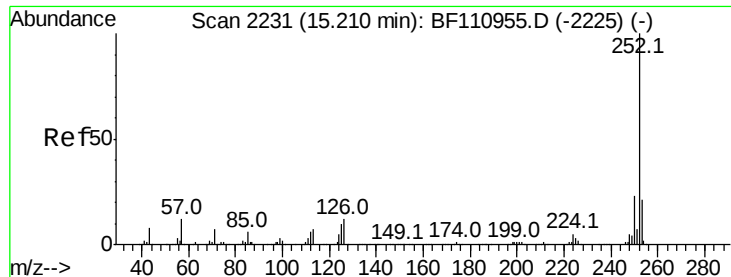
mohammad
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2308
Delta R.T. -0.01 min
Lab File: BF111053.D
Acq: 28 Nov 2018 18:48

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.7	28.1
265	22.1	16.7	25.1





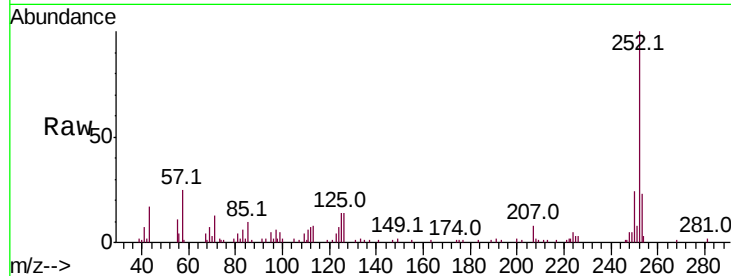
#88
Benzo(b)fluoranthene
Concen: 6.566 ng m
RT: 15.21 min Scan# 2231
Delta R.T. 0.00 min
Lab File: BF111053.D
Acq: 28 Nov 2018 18:48

Instrument :
BNA_F
ClientSampleId :
RCA-04

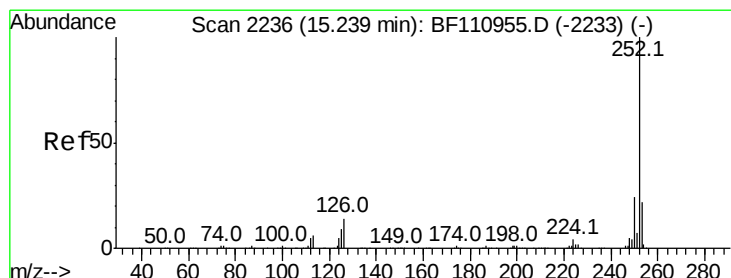
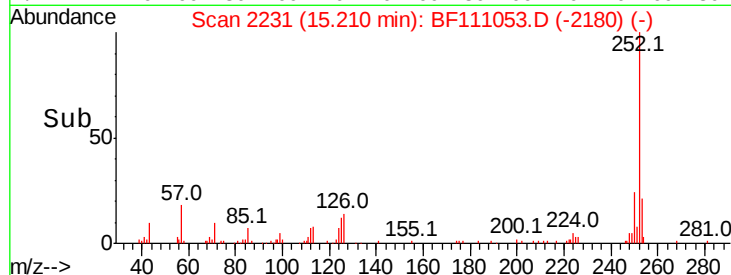
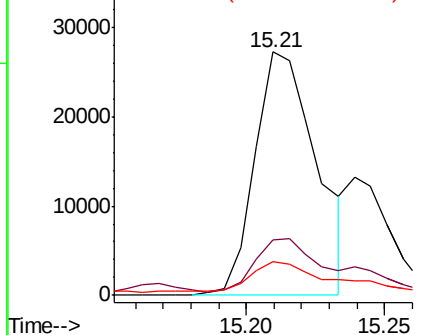
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.2	25.8
125	13.7	8.2	12.4

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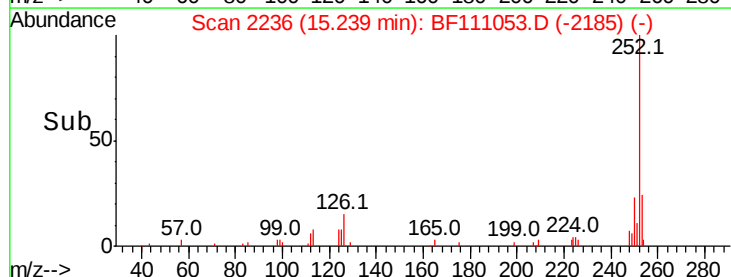
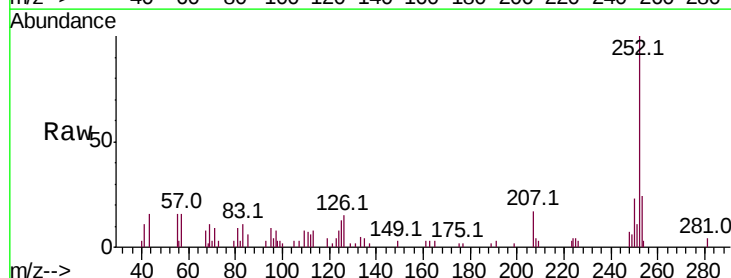
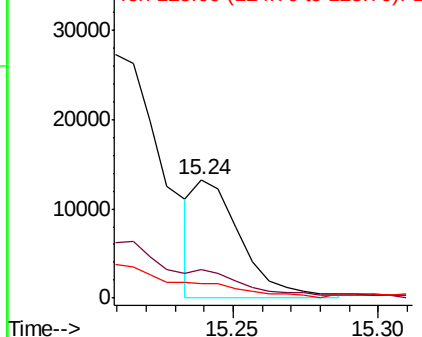
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

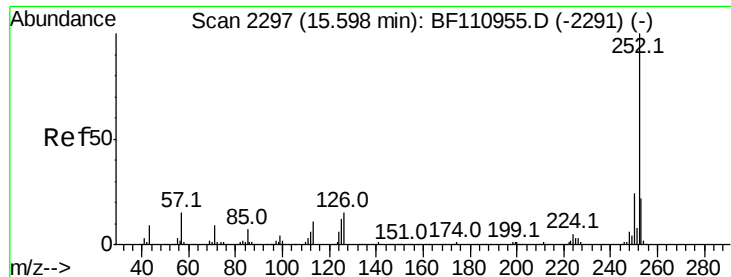


#89
Benzo(k)fluoranthene
Concen: 2.245 ng m
RT: 15.24 min Scan# 2236
Delta R.T. 0.00 min
Lab File: BF111053.D
Acq: 28 Nov 2018 18:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.2	25.8
125	12.6	7.4	11.0

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





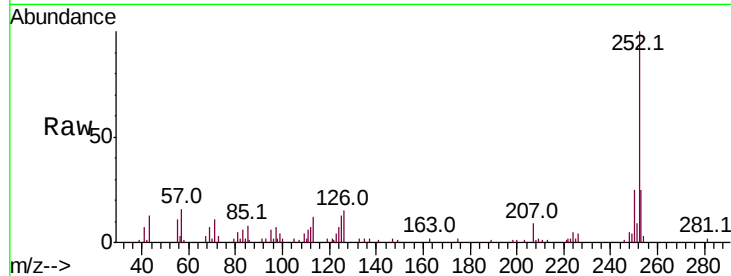
#90
Benzo(a)pyrene
Concen: 5.336 ng
RT: 15.60 min Scan# 2298
Delta R.T. 0.00 min
Lab File: BF111053.D
Acq: 28 Nov 2018 18:48

Instrument :
BNA_F
ClientSampleId :
RCA-04

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.2	27.4
125	13.1	9.0	13.6

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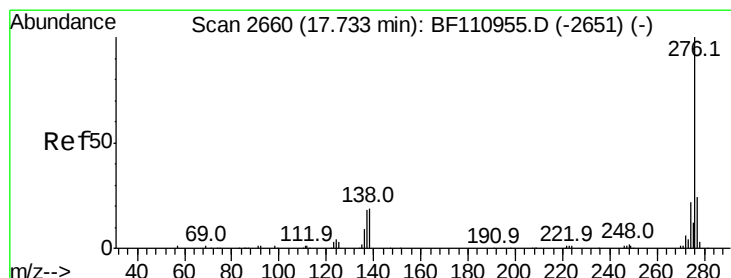
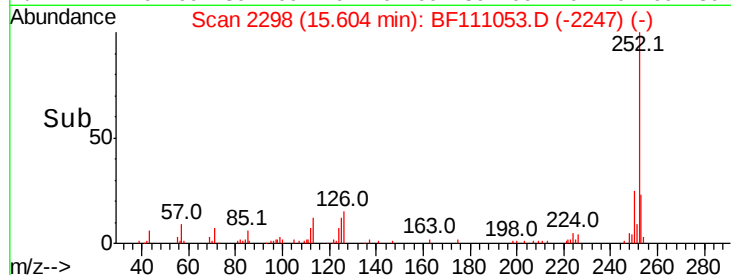
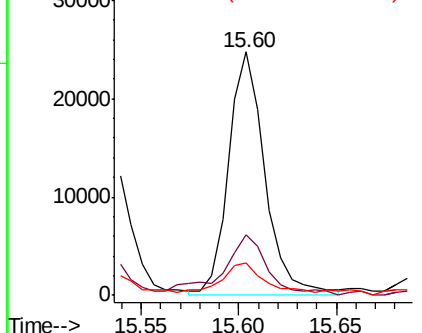


Abundance

Ion 252.00 (251.70 to 252.70): E

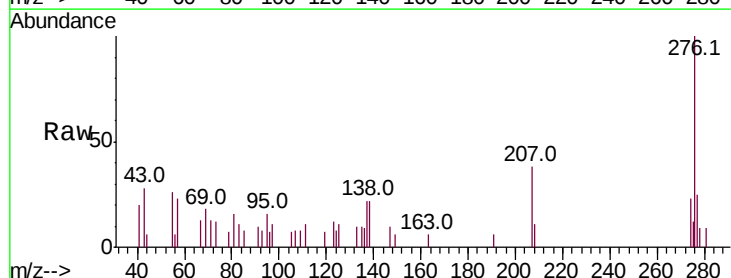
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 2.921 ng
RT: 17.76 min Scan# 2665
Delta R.T. 0.02 min
Lab File: BF111053.D
Acq: 28 Nov 2018 18:48

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.8	28.2
138	21.7	16.0	24.0



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

