

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092818\
 Data File : BF109445.D
 Acq On : 28 Sep 2018 22:03
 Operator : JU/SJ
 Sample : J5102-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C-1

Manual Integrations
 APPROVED

Sohil
 10/1/2018 9:57:30 AM

Quant Time: Sep 29 05:40:00 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	104662	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	356311	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	139423	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	248562	20.00	ng	0.00
75) Chrysene-d12	13.85	240	195603	20.00	ng	0.00
86) Perylene-d12	15.24	264	149391	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	483021	76.01	ng	0.00
7) Phenol-d6	6.35	99	597118	73.64	ng	0.00
23) Nitrobenzene-d5	7.27	82	350307	58.04	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	108225	78.74	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	583118	63.08	ng	-0.01
78) Terphenyl-d14	12.80	244	493645	61.94	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.46	163	149287	14.722	ng	99
70) Phenanthrene	11.24	178	122407	9.863	ng	97
74) Fluoranthene	12.42	202	133719	10.082	ng	97
77) Pyrene	12.65	202	138120	9.853	ng	99
80) Benzo(a)anthracene	13.83	228	50554	4.291	ng	92
82) Chrysene	13.87	228	58850	5.040	ng	98
87) Benzo(b)fluoranthene	14.85	252	41940m	5.109	ng	
89) Benzo(a)pyrene	15.19	252	28452	3.846	ng	95
91) Benzo(g,h,i)perylene	17.00	276	15346	2.573	ng	# 88

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

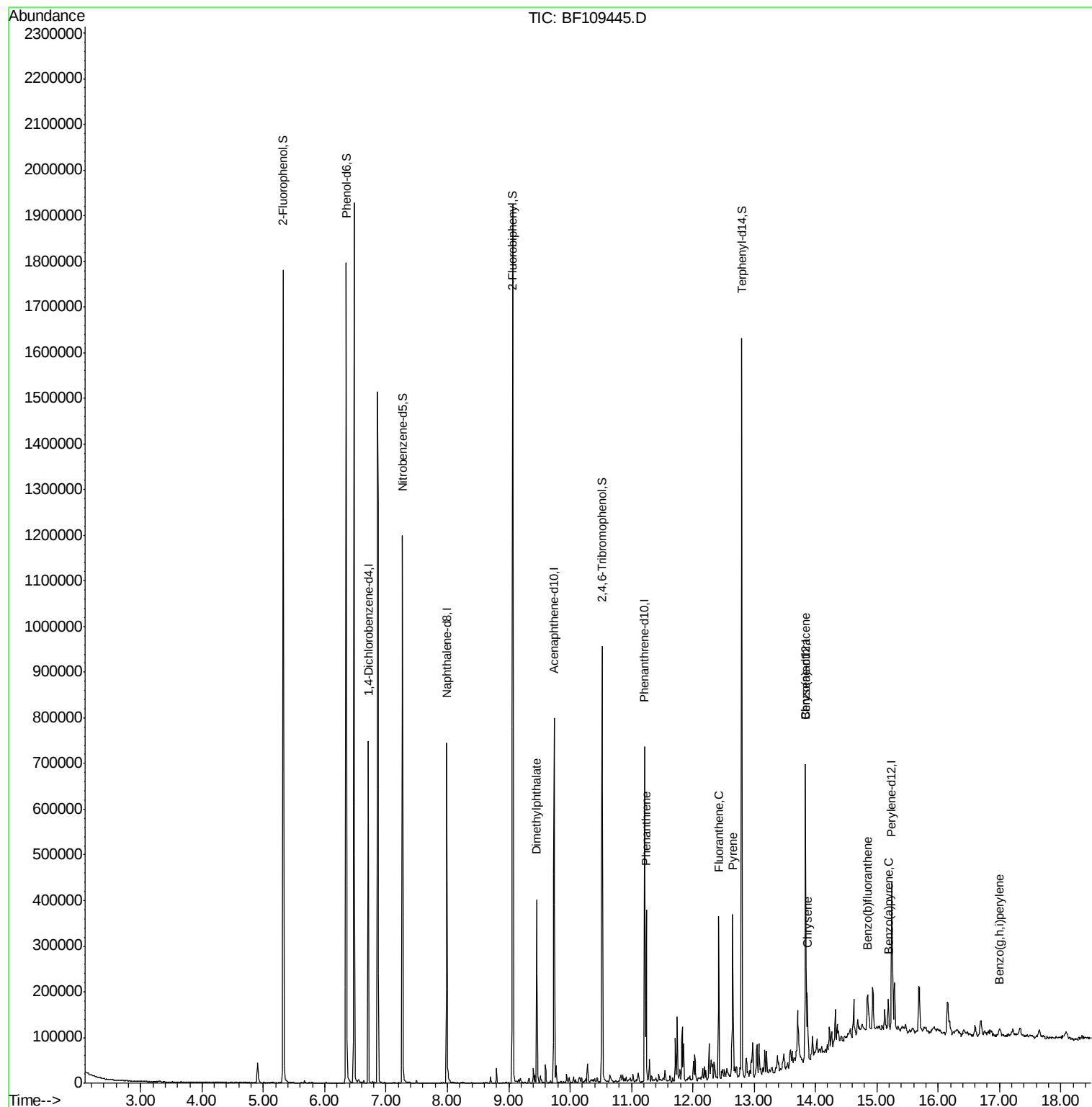
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092818\
Data File : BF109445.D
Acq On : 28 Sep 2018 22:03
Operator : JU/SJ
Sample : J5102-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
C-1

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10/1/2018 9:57:30 AM

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#1

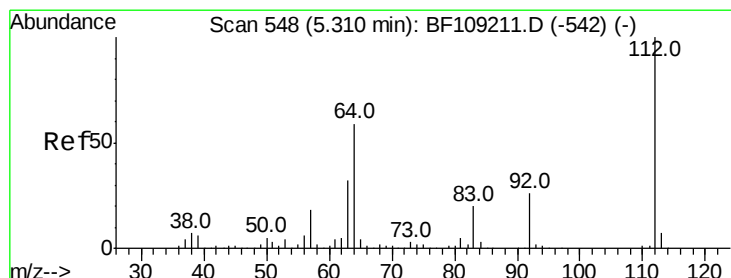
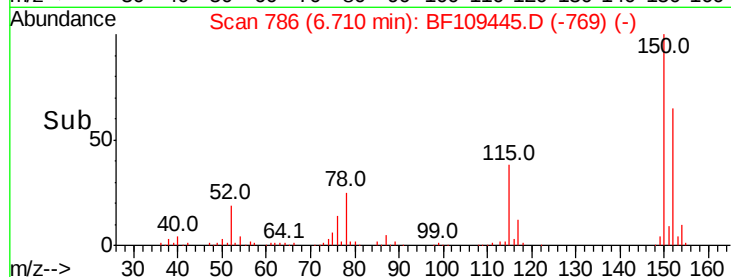
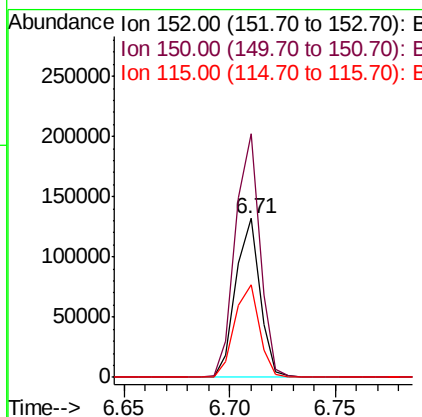
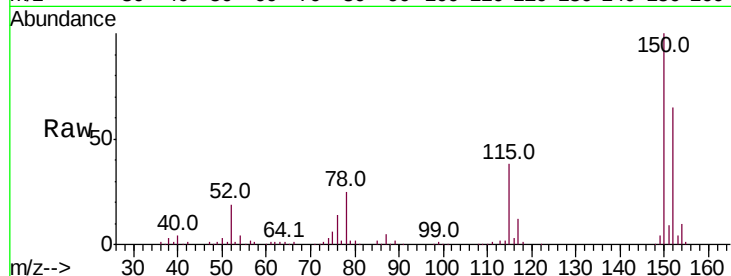
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF109445.D
Acq: 28 Sep 2018 22:03

Instrument :
BNA_F
ClientSampled :
C-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.3	124.6	186.8
115	58.5	50.1	75.1

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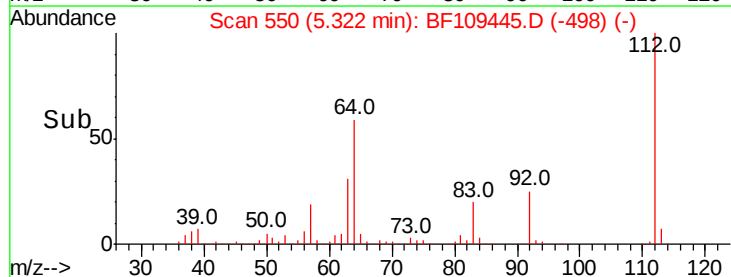
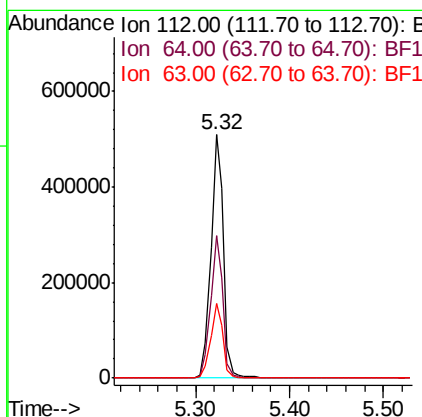
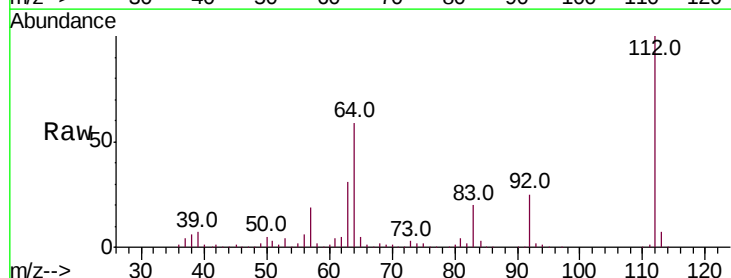
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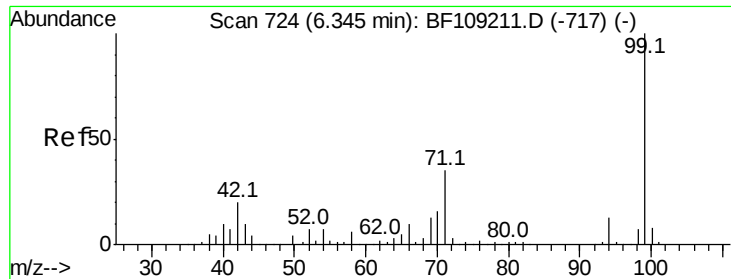


#5

2-Fluorophenol
Concen: 76.014 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.01 min
Lab File: BF109445.D
Acq: 28 Sep 2018 22:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.6	47.9	71.9
63	30.9	23.7	35.5





#7

Phenol-d6

Concen: 73.641 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF109445.D

Acq: 28 Sep 2018 22:03

Instrument :

BNA_F

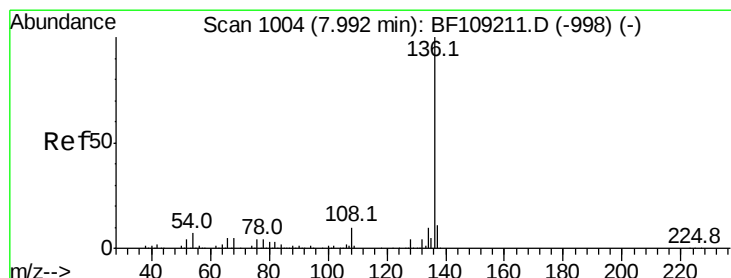
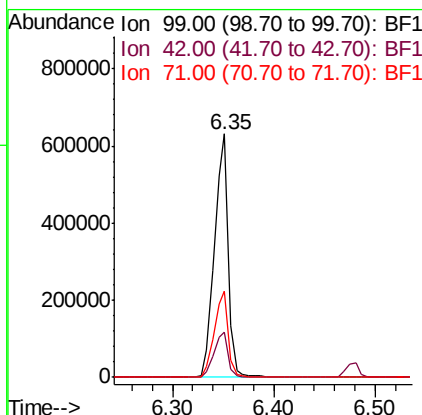
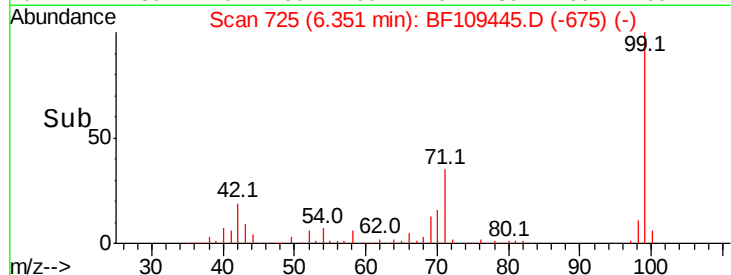
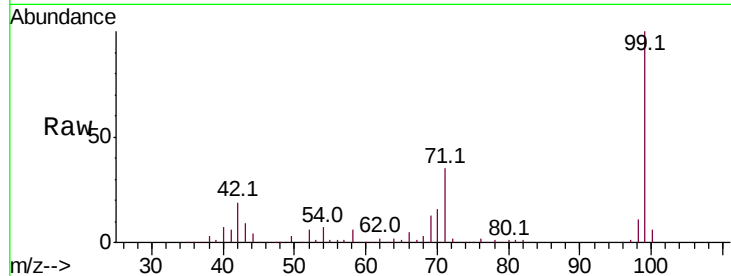
ClientSampled :

C-1

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		597118		
42	18.7	14.5	21.7		
71	35.3	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

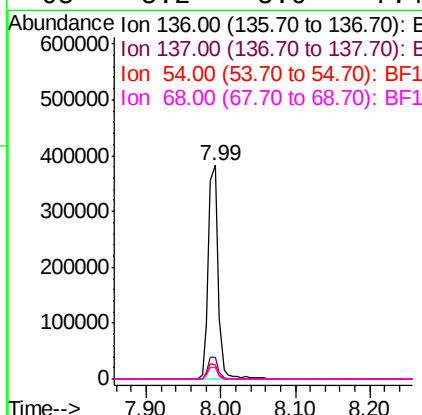
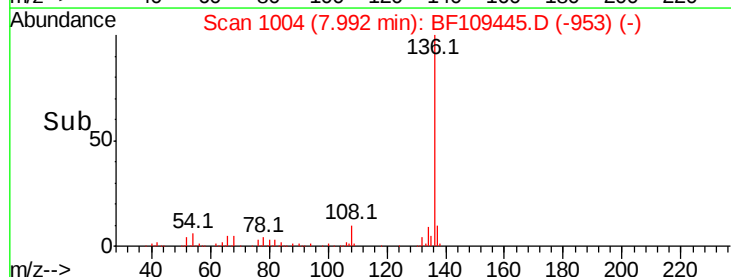
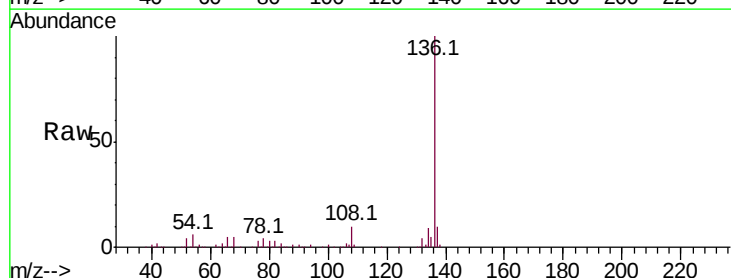
RT: 7.99 min Scan# 1004

Delta R.T. 0.00 min

Lab File: BF109445.D

Acq: 28 Sep 2018 22:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		356311		
137	10.3	8.9	13.3		
54	6.4	6.6	9.8		
68	5.2	5.0	7.4		





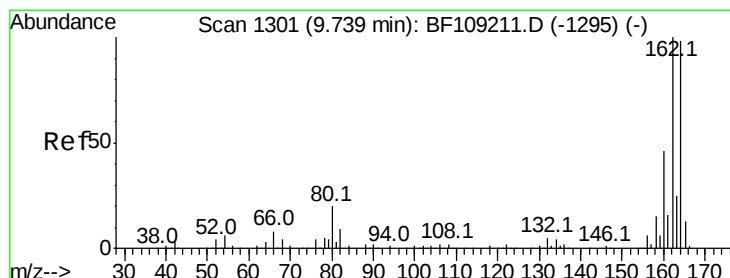
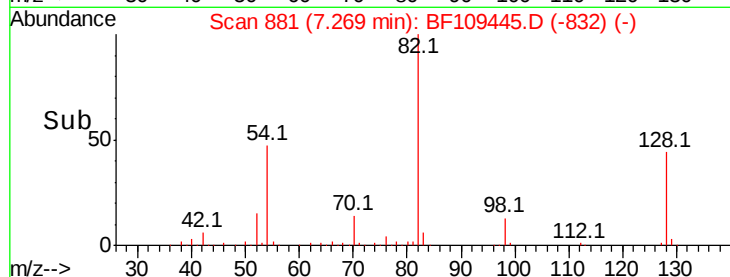
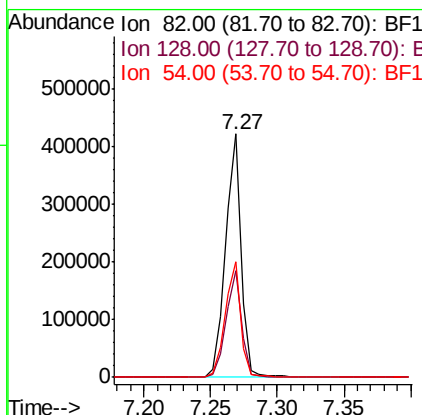
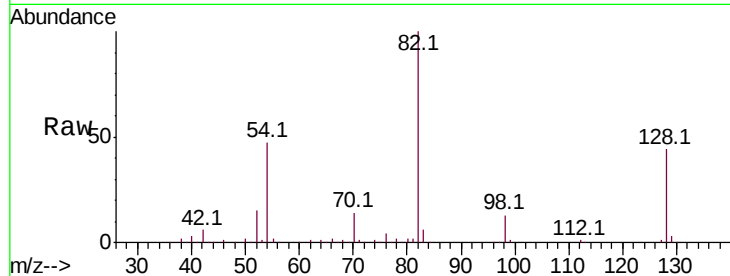
#23
 Nitrobenzene-d5
 Concen: 58.037 ng
 RT: 7.27 min Scan# 881
 Delta R.T. -0.01 min
 Lab File: BF109445.D
 Acq: 28 Sep 2018 22:03

Instrument :
 BNA_F
 ClientSampled :
 C-1

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.9	36.1	54.1
54	47.4	41.4	62.2

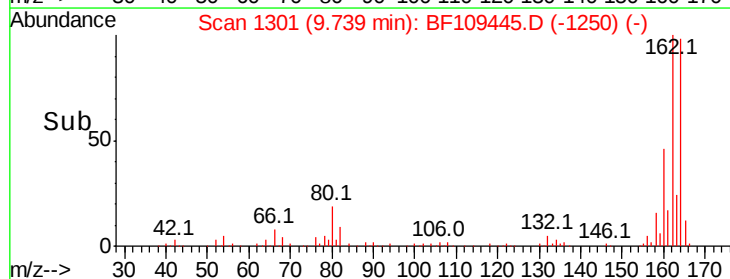
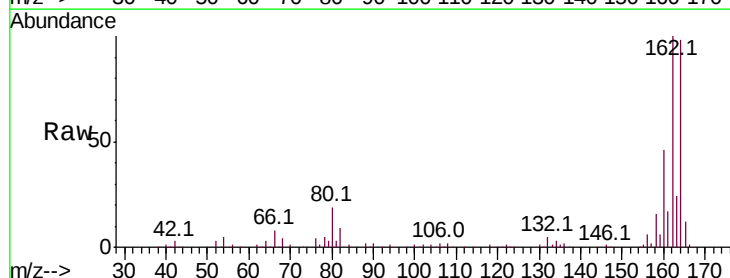
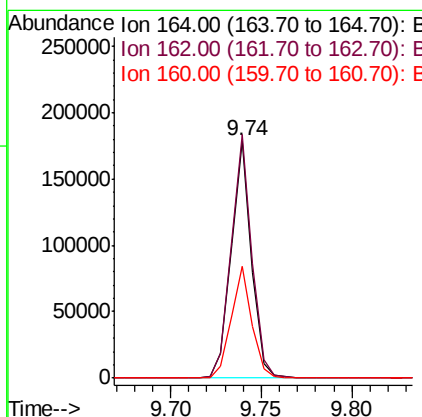
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: BF109445.D
 Acq: 28 Sep 2018 22:03

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.5	86.1	129.1
160	46.8	38.3	57.5





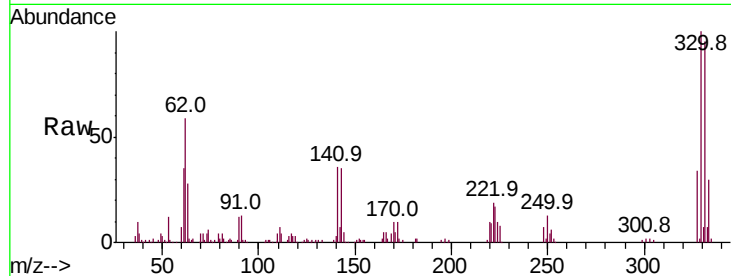
#41
 2,4,6-Tribromophenol
 Concen: 78.742 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109445.D
 Acq: 28 Sep 2018 22:03

Instrument :
 BNA_F
 ClientSampled :
 C-1

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.3	77.0	115.6	
141	33.1	29.9	44.9	

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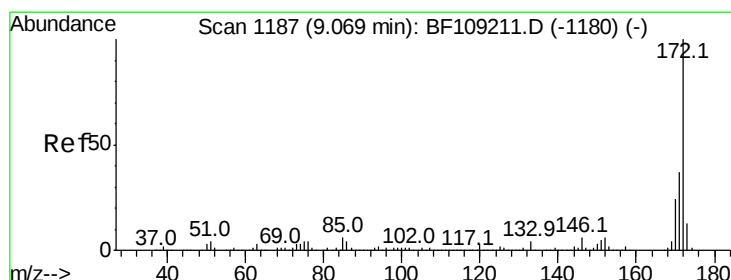
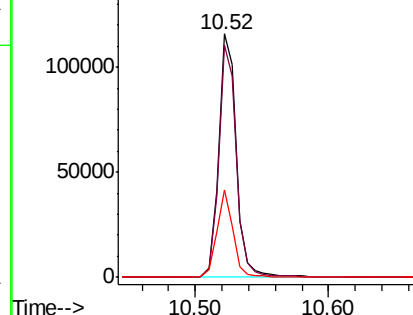
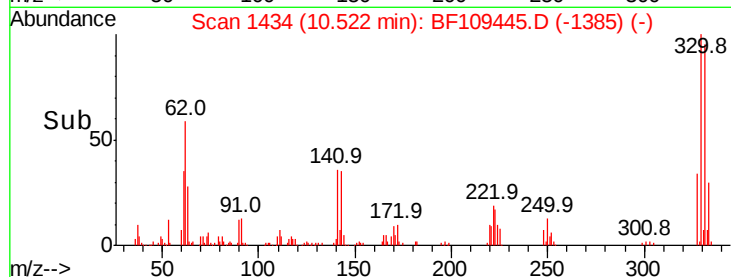


Abundance

Ion 329.80 (329.50 to 330.50): E

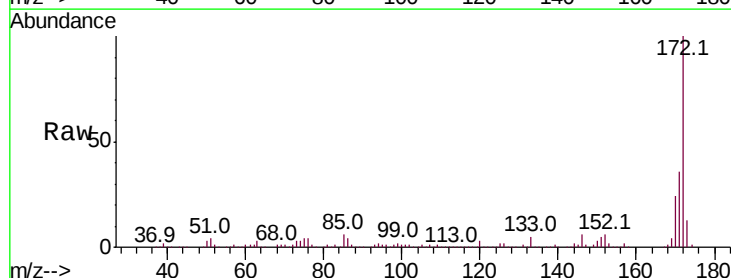
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 63.078 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109445.D
 Acq: 28 Sep 2018 22:03

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.7	29.7	44.5	
170	23.6	19.6	29.4	

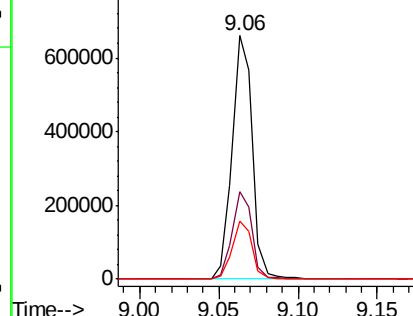
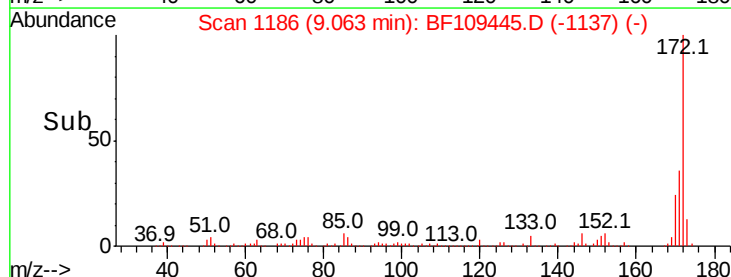


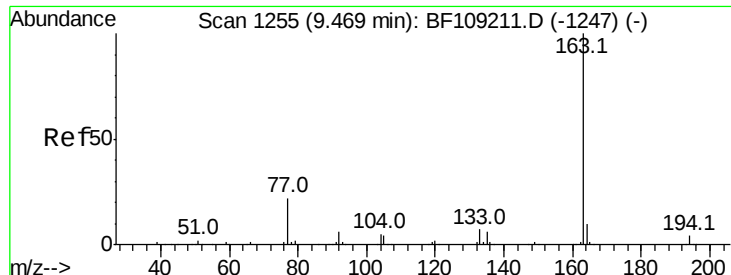
Abundance

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





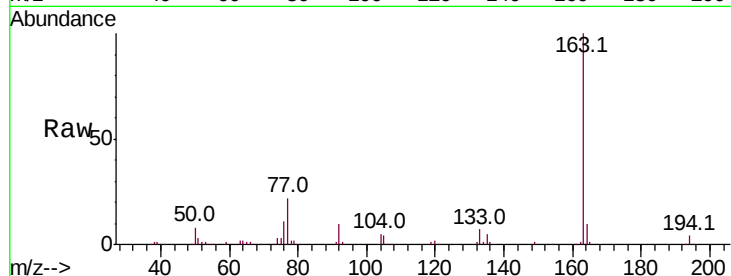
#49
 Dimethylphthalate
 Concen: 14.722 ng
 RT: 9.46 min Scan# 1253
 Delta R.T. -0.02 min
 Lab File: BF109445.D
 Acq: 28 Sep 2018 22:03

Instrument :
 BNA_F
 ClientSampled :
 C-1

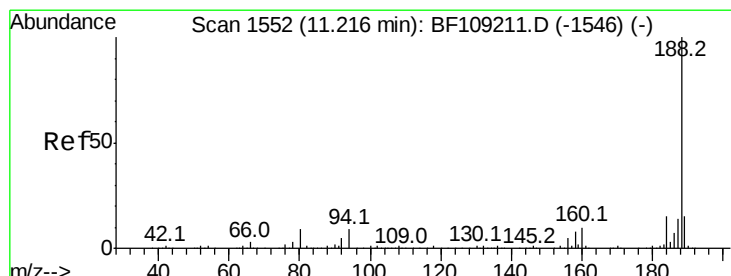
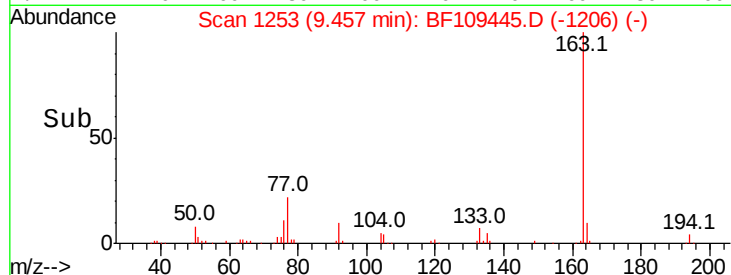
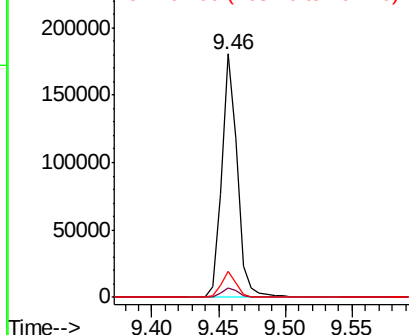
Tot Ion:	163	Resp:	149287
Ion Ratio	Lower	Upper	
163	100		
194	3.7	2.7	4.1
164	10.5	8.2	12.2

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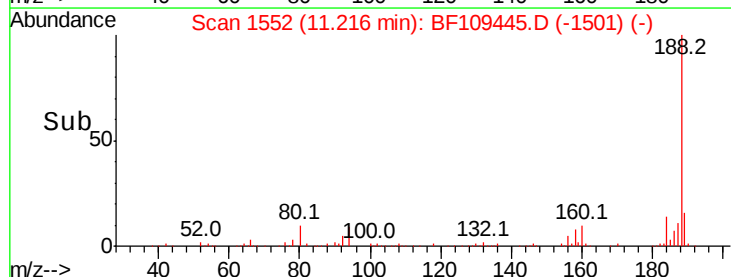
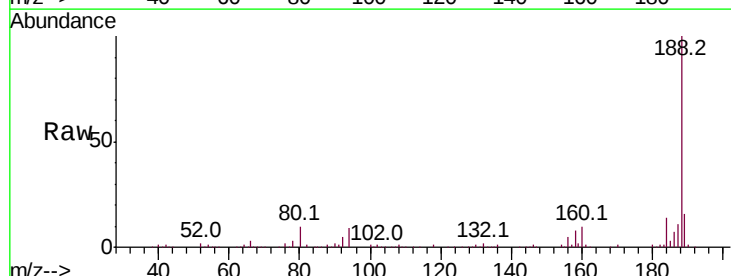
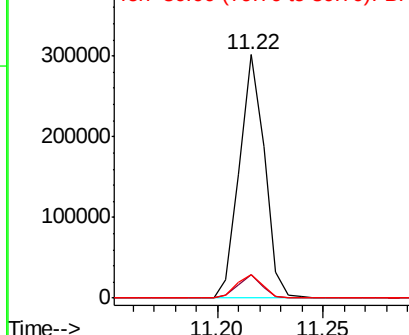
Abundance Ion 163.00 (162.70 to 163.70): E
 250000 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

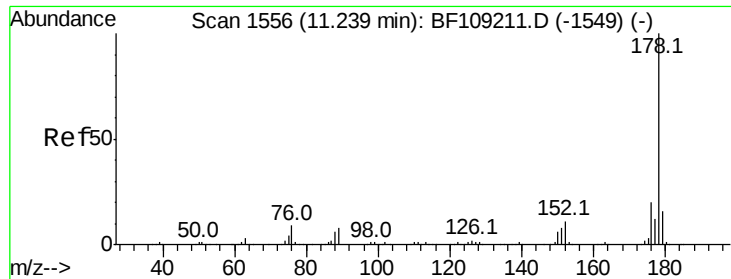


#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. 0.00 min
 Lab File: BF109445.D
 Acq: 28 Sep 2018 22:03

Tgt Ion:	188	Resp:	248562
Ion Ratio	Lower	Upper	
188	100		
94	9.4	8.5	12.7
80	9.8	9.2	13.8

Abundance Ion 188.00 (187.70 to 188.70): E
 400000 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1





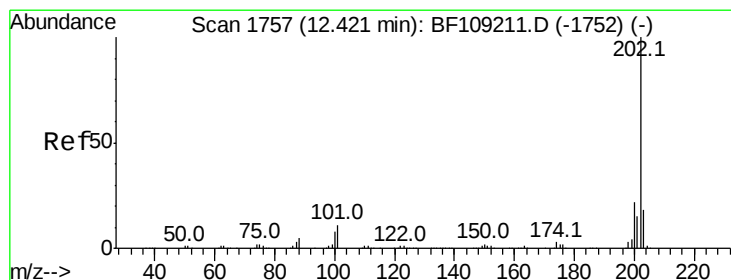
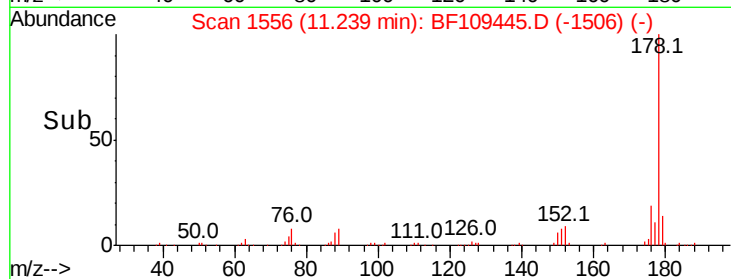
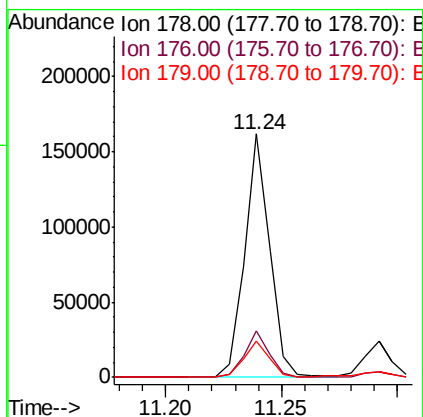
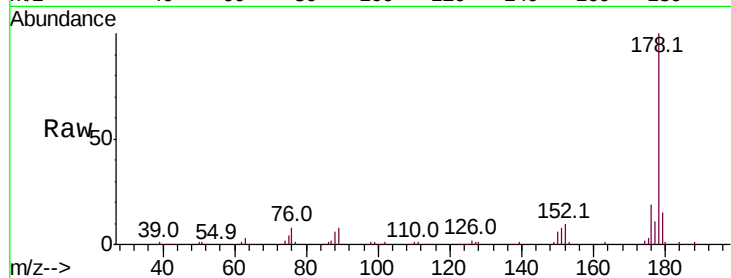
#70
Phenanthrene
Concen: 9.863 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF109445.D
Acq: 28 Sep 2018 22:03

Instrument :
BNA_F
ClientSampled :
C-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	14.6	13.0	19.6

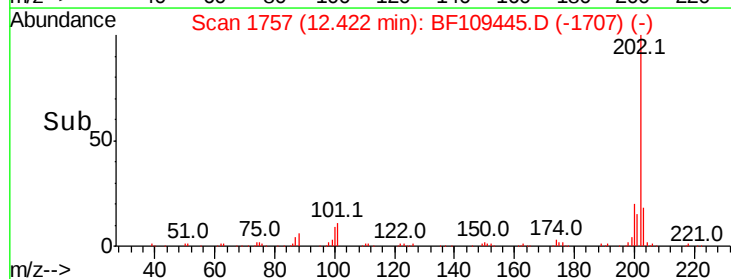
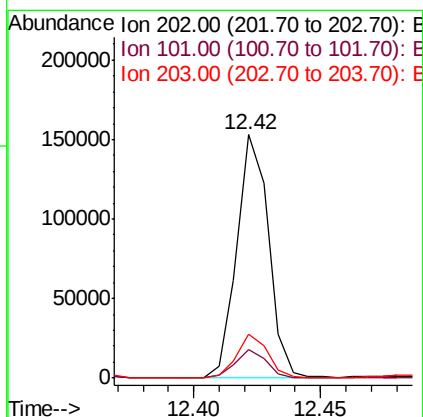
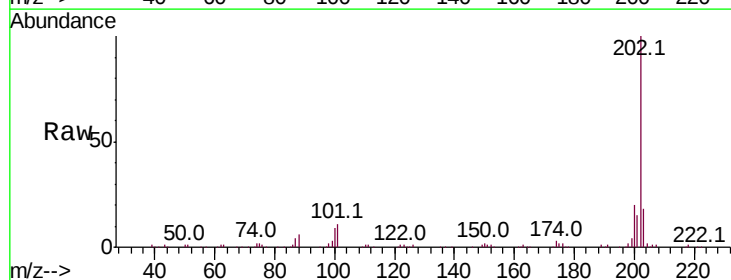
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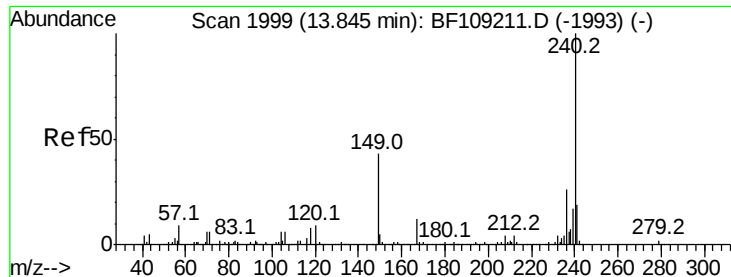
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#74
Fluoranthene
Concen: 10.082 ng
RT: 12.42 min Scan# 1757
Delta R.T. -0.01 min
Lab File: BF109445.D
Acq: 28 Sep 2018 22:03

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	34.1
203	17.9	0.0	38.1





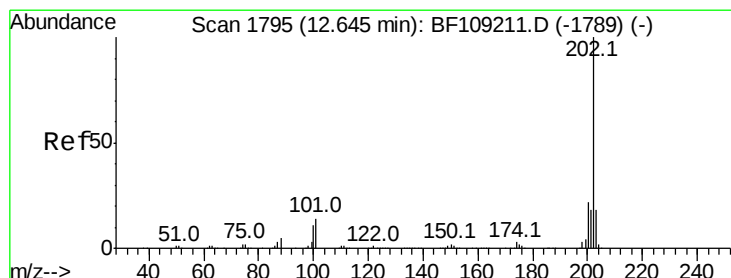
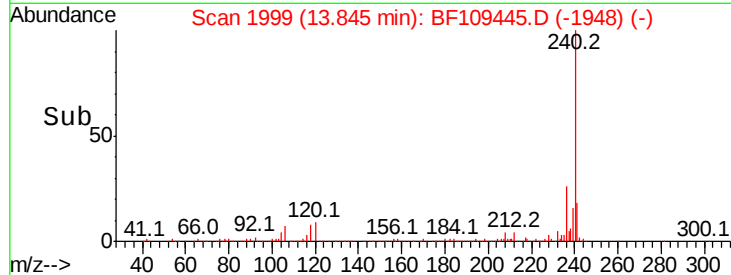
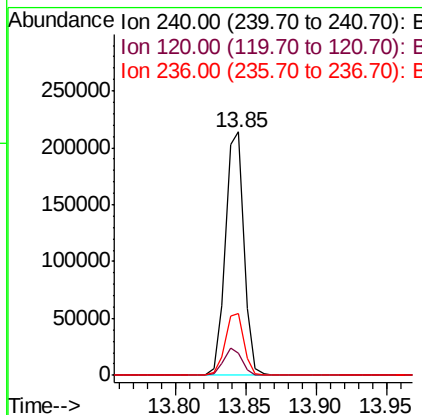
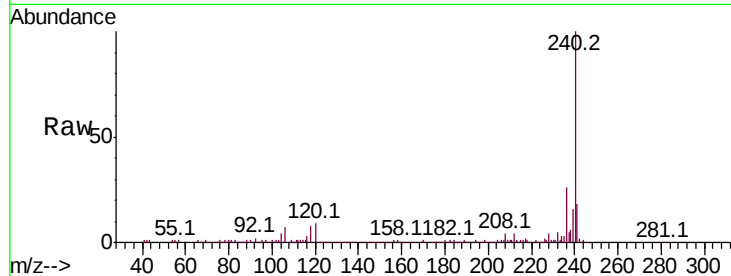
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.85 min Scan# 1999
 Delta R.T. 0.00 min
 Lab File: BF109445.D
 Acq: 28 Sep 2018 22:03

Instrument :
 BNA_F
 ClientSampled :
 C-1

Tot Ion	Ratio	Resp Lower	Upper
240	100		
120	9.0	9.5	14.3#
236	25.5	20.7	31.1

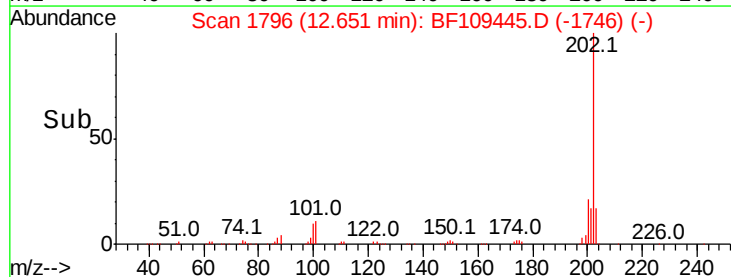
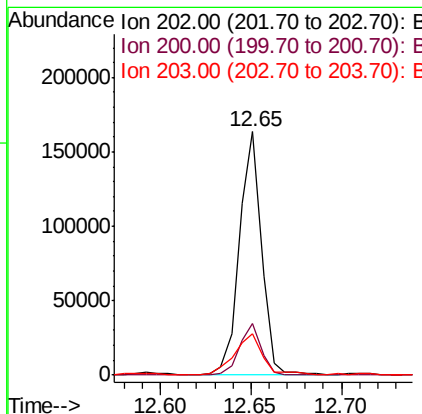
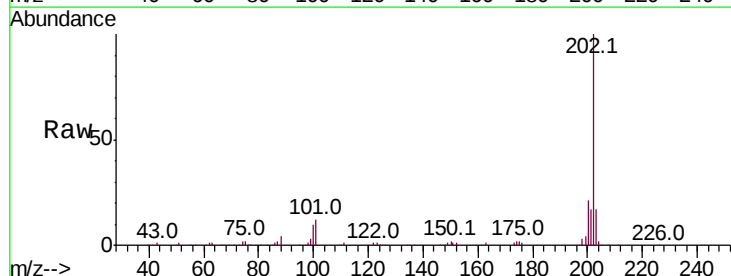
Manual Integrations
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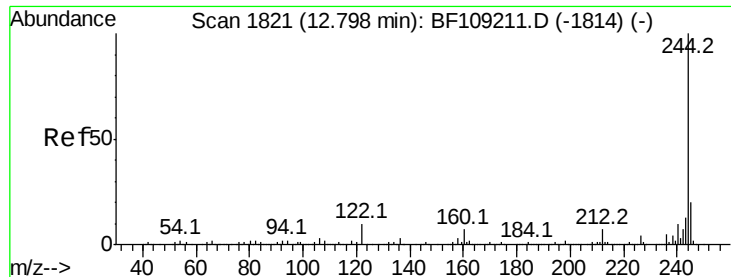
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#77
 Pyrene
 Concen: 9.853 ng
 RT: 12.65 min Scan# 1796
 Delta R.T. -0.01 min
 Lab File: BF109445.D
 Acq: 28 Sep 2018 22:03

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	21.2	17.4	26.2
203	17.2	14.3	21.5





#78

Terphenyl-d14

Concen: 61.936 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BF109445.D

Acq: 28 Sep 2018 22:03

Instrument :

BNA_F

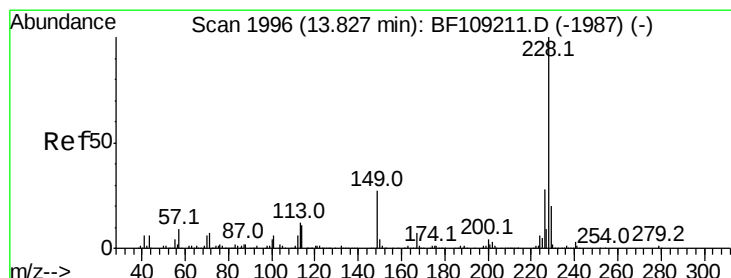
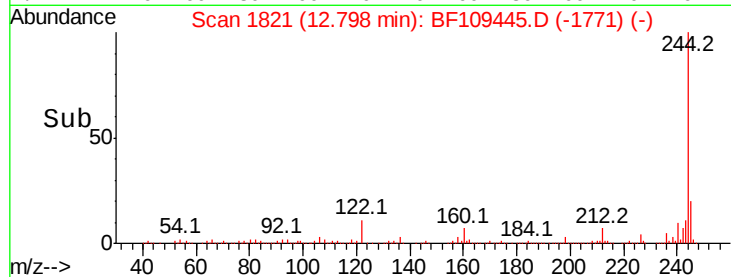
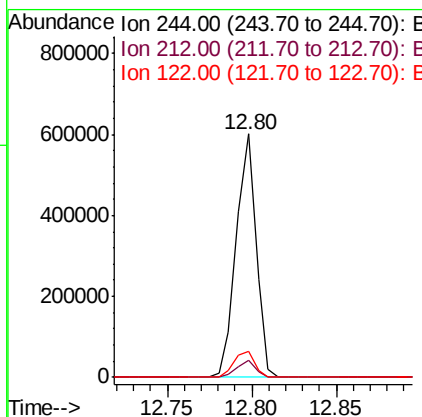
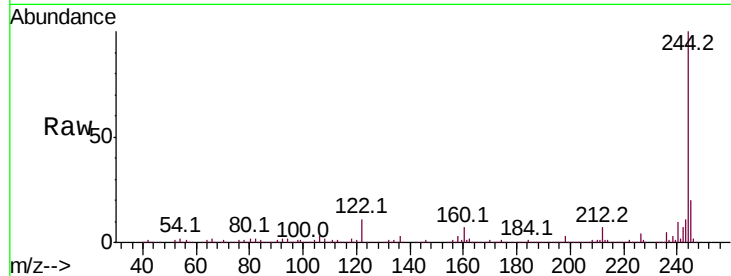
ClientSampleId :

C-1

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.9	5.4	8.0	
122	10.6	11.0	16.4	

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#80

Benzo(a)anthracene

Concen: 4.291 ng

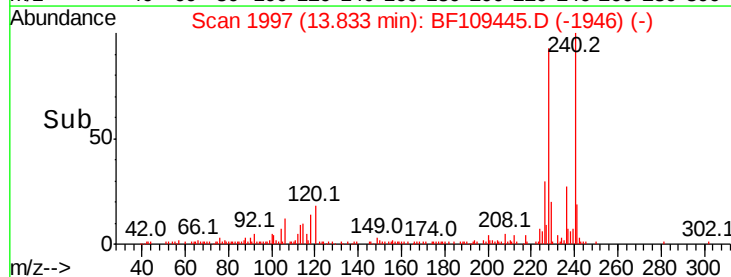
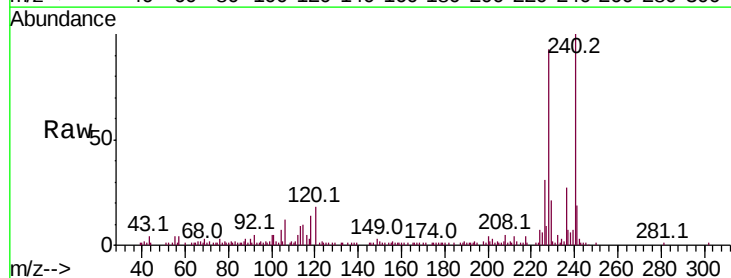
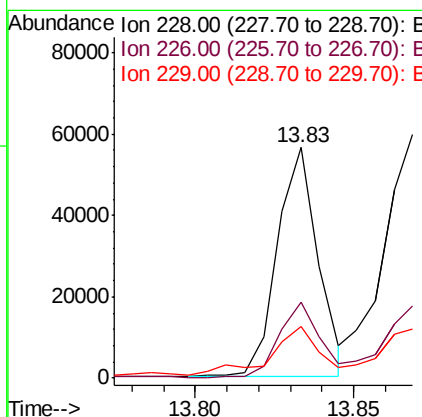
RT: 13.83 min Scan# 1997

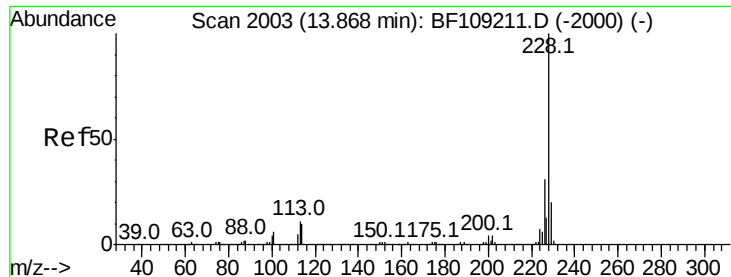
Delta R.T. 0.00 min

Lab File: BF109445.D

Acq: 28 Sep 2018 22:03

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	32.9	22.6	33.8	
229	22.6	15.8	23.6	





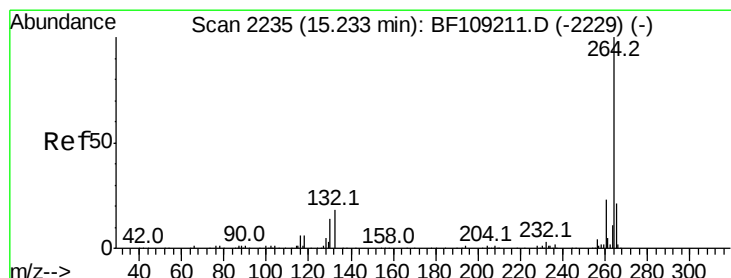
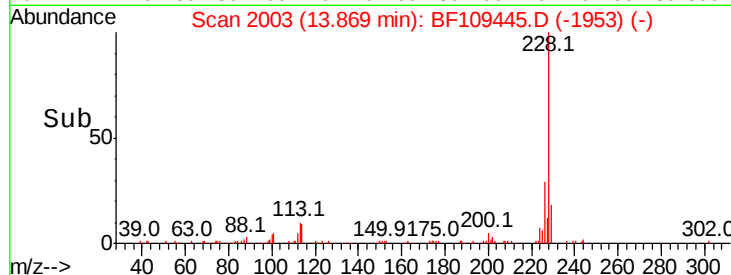
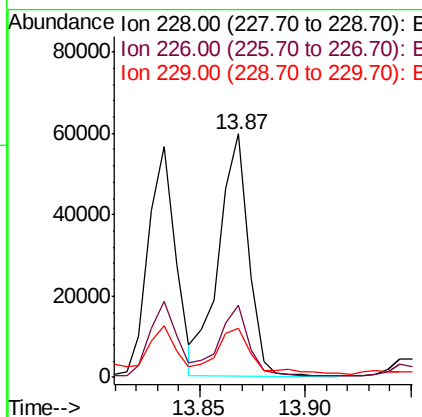
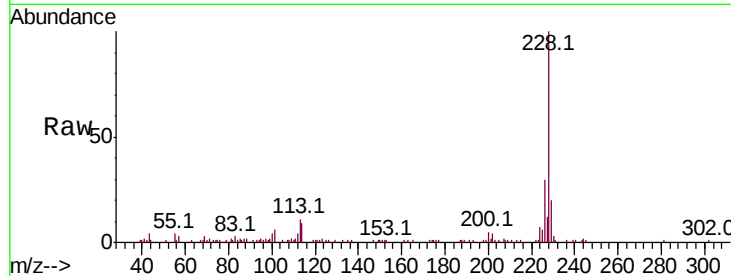
#82
Chrysene
Concen: 5.040 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BF109445.D
Acq: 28 Sep 2018 22:03

Instrument :
BNA_F
ClientSampled :
C-1

Tot Ion:	228	Resp:	58850
Ion Ratio	Lower	Upper	
228	100		
226	29.8	25.0	37.6
229	20.3	16.2	24.4

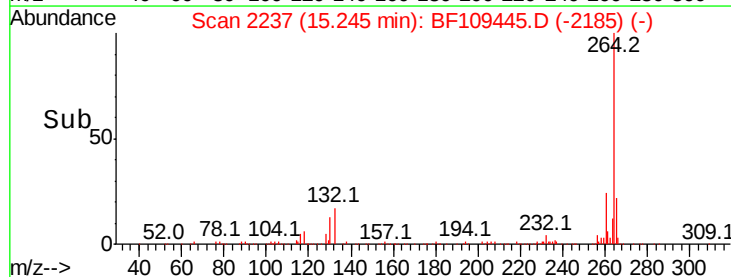
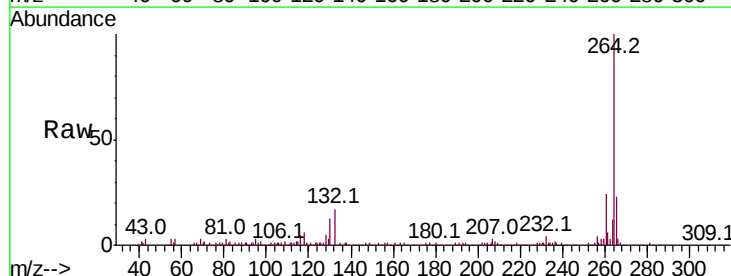
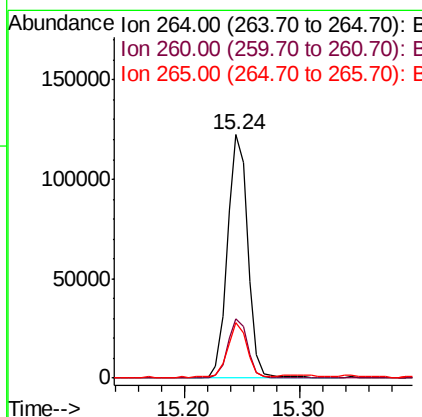
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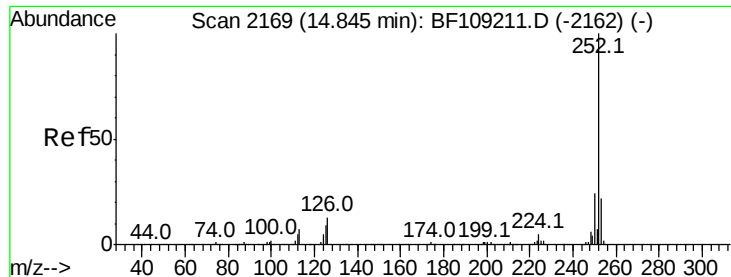
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2237
Delta R.T. 0.01 min
Lab File: BF109445.D
Acq: 28 Sep 2018 22:03

Tgt Ion:	264	Resp:	149391
Ion Ratio	Lower	Upper	
264	100		
260	24.3	19.2	28.8
265	22.7	17.5	26.3





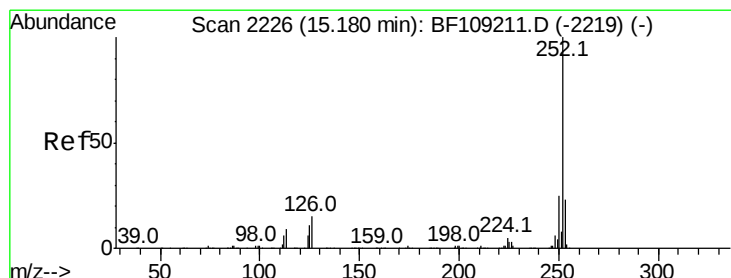
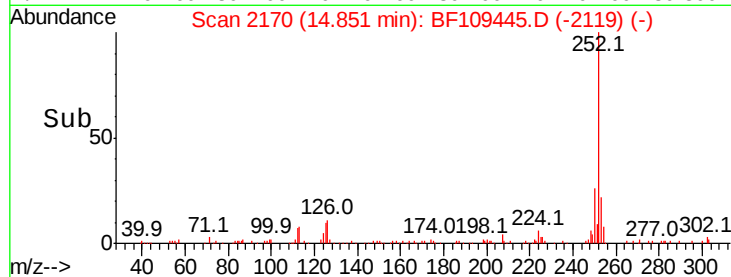
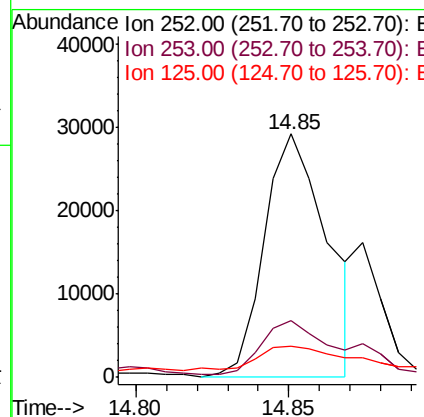
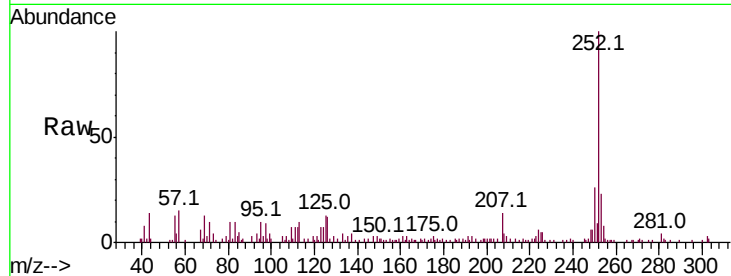
#87
Benzo(b)fluoranthene
Concen: 5.109 ng m
RT: 14.85 min Scan# 2170
Delta R.T. 0.00 min
Lab File: BF109445.D
Acq: 28 Sep 2018 22:03

Instrument :
BNA_F
ClientSampleId :
C-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.0	25.6
125	12.8	9.0	13.6

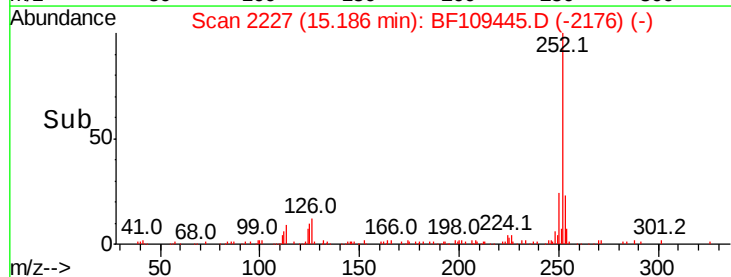
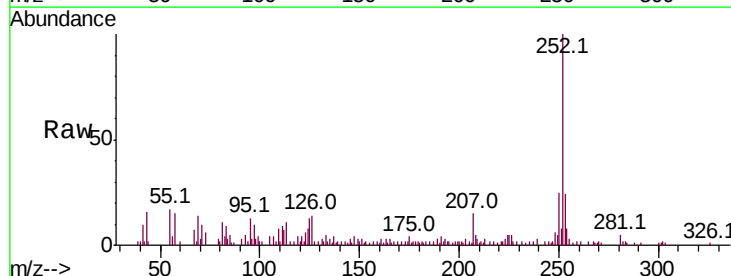
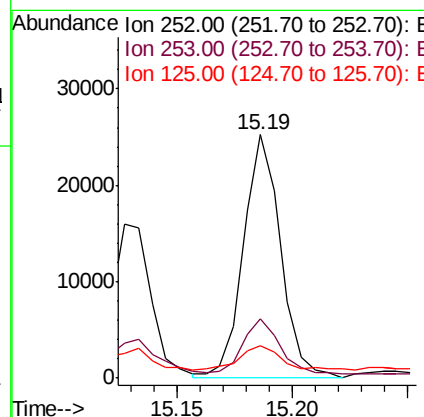
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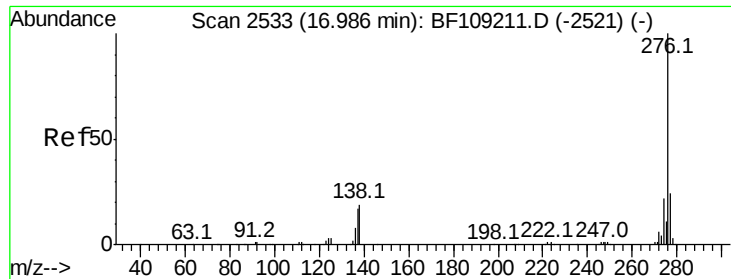
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#89
Benzo(a)pyrene
Concen: 3.846 ng
RT: 15.19 min Scan# 2227
Delta R.T. 0.00 min
Lab File: BF109445.D
Acq: 28 Sep 2018 22:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.1	25.7
125	13.5	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 2.573 ng
 RT: 17.00 min Scan# 2536
 Delta R.T. 0.01 min
 Lab File: BF109445.D
 Acq: 28 Sep 2018 22:03

Instrument :
 BNA_F
 ClientSampleId :
 C-1

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.9	17.9	26.9
138	17.7	21.8	32.8

Manual Integrations
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Sohil
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