

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092418\
 Data File : BF109265.D
 Acq On : 24 Sep 2018 14:15
 Operator : JU/SJ
 Sample : J4770-01 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-092118-A

Manual Integrations
 APPROVED

Sohil
 9/26/2018 11:34:22 AM

Quant Time: Sep 25 09:05:44 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	6.70	152	126134	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	507788	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	249170	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	434022	20.00	ng	0.00
75) Chrysene-d12	13.84	240	325445	20.00	ng	0.00
86) Perylene-d12	15.24	264	324914	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	242757	31.70	ng	-0.01
7) Phenol-d6	6.34	99	315238	32.26	ng	-0.02
23) Nitrobenzene-d5	7.26	82	189413	22.02	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	75508	30.74	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	349233	21.14	ng	-0.01
78) Terphenyl-d14	12.79	244	264110	19.92	ng	-0.01
Target Compounds						
49) Dimethylphthalate	9.46	163	101073	5.577	ng	Qvalue # 98
70) Phenanthrene	11.23	178	149728	6.909	ng	98
74) Fluoranthene	12.42	202	217631	9.397	ng	97
77) Pyrene	12.64	202	204353	8.761	ng	99
80) Benzo(a)anthracene	13.83	228	98033	5.001	ng	95
82) Chrysene	13.86	228	94671	4.873	ng	97
85) Indeno(1,2,3-cd)pyrene	16.59	276	41593	2.641	ng	# 88
87) Benzo(b)fluoranthene	14.84	252	126151m	7.066	ng	
88) Benzo(k)fluoranthene	14.87	252	33896m	2.001	ng	
89) Benzo(a)pyrene	15.18	252	83918	5.216	ng	97
91) Benzo(g,h,i)perylene	16.99	276	39818	3.070	ng	# 86

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

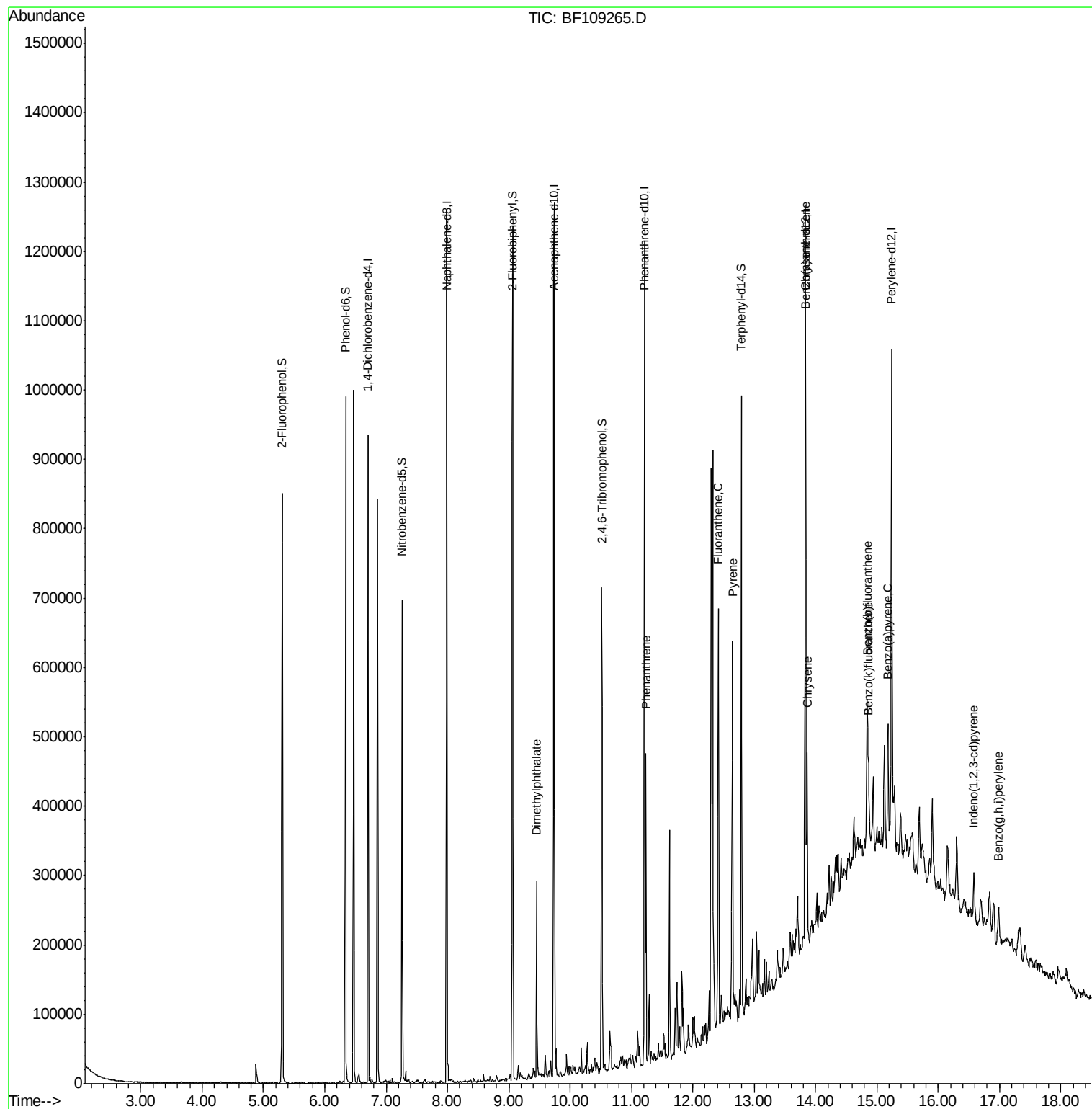
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092418\
Data File : BF109265.D
Acq On : 24 Sep 2018 14:15
Operator : JU/SJ
Sample : J4770-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
JC-02-092118-A

Manual Integrations
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#1

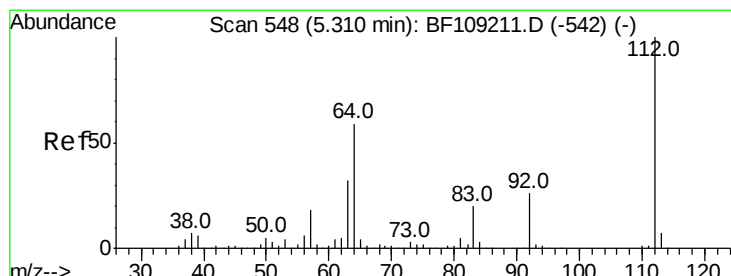
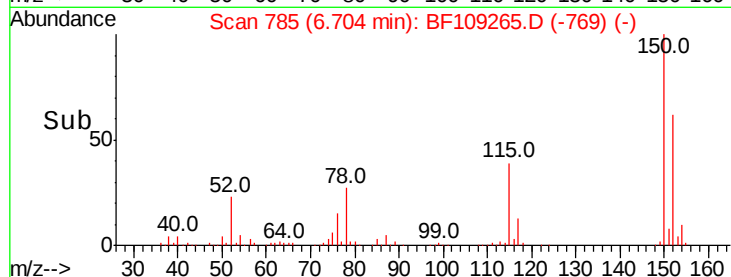
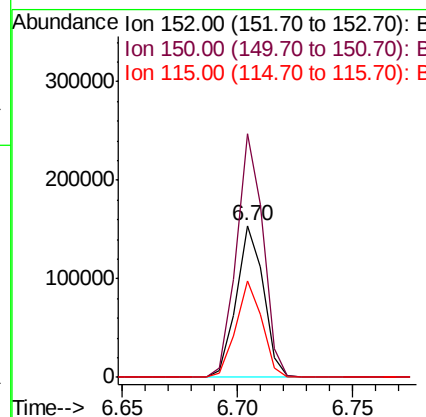
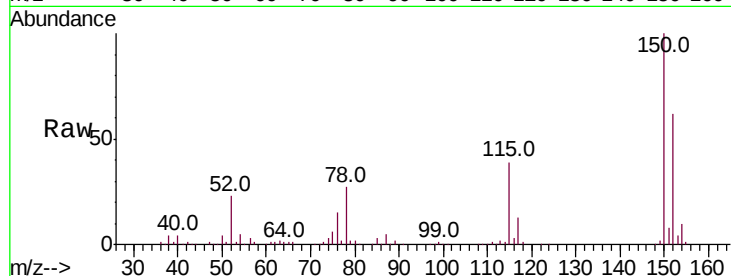
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109265.D
Acq: 24 Sep 2018 14:15

Instrument :
BNA_F
ClientSampleId :
JC-02-092118-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.5	124.6	186.8
115	63.2	50.1	75.1

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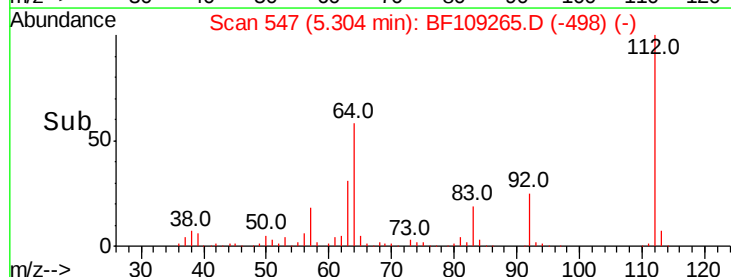
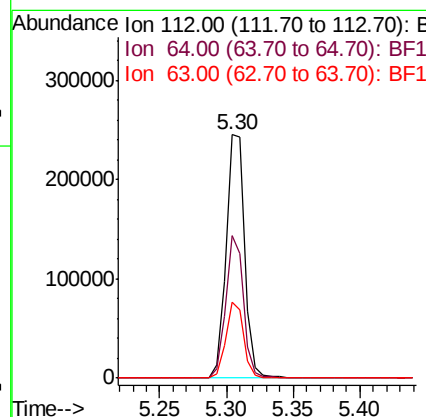
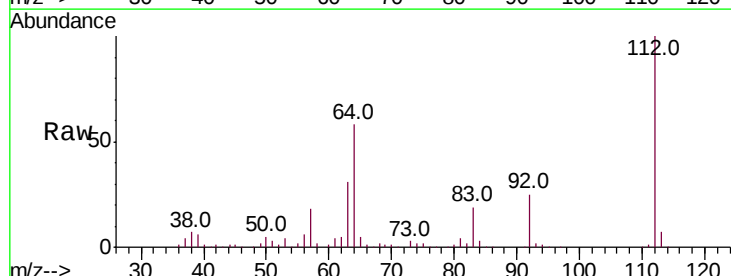
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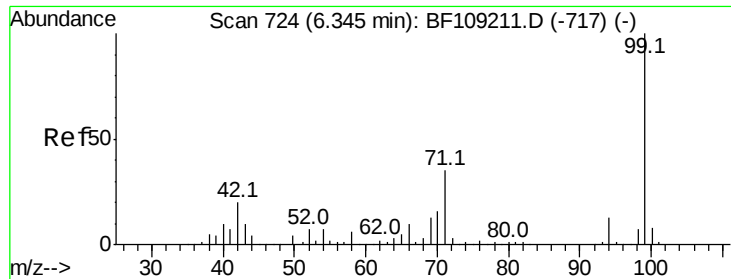


#5

2-Fluorophenol
Concen: 31.700 ng
RT: 5.30 min Scan# 547
Delta R.T. -0.01 min
Lab File: BF109265.D
Acq: 24 Sep 2018 14:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.5	47.9	71.9
63	31.2	23.7	35.5





#7

Phenol-d6

Concen: 32.259 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109265.D

Acq: 24 Sep 2018 14:15

Instrument :

BNA_F

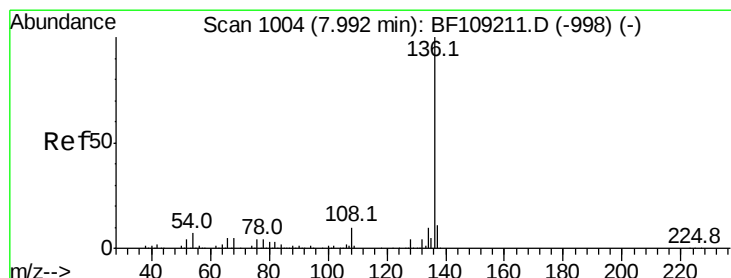
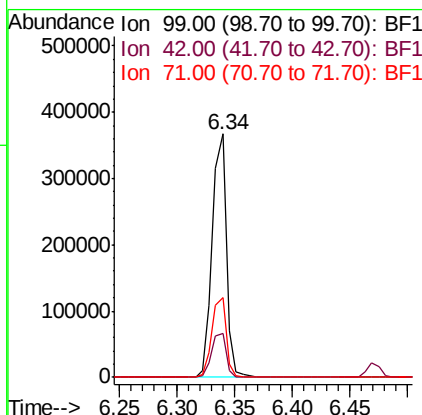
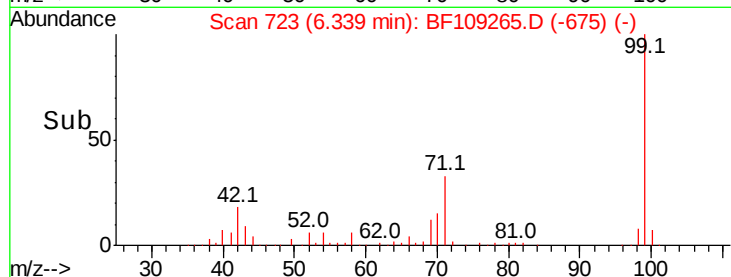
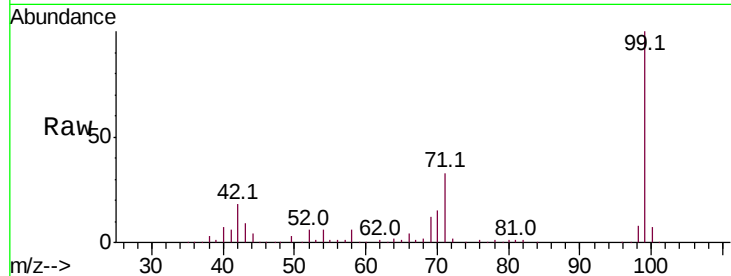
ClientSampleId :

JC-02-092118-A

Tot Ion:	99	Resp:	315238
Ion Ratio	Lower	Upper	
99	100		
42	17.9	14.5	21.7
71	32.8	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

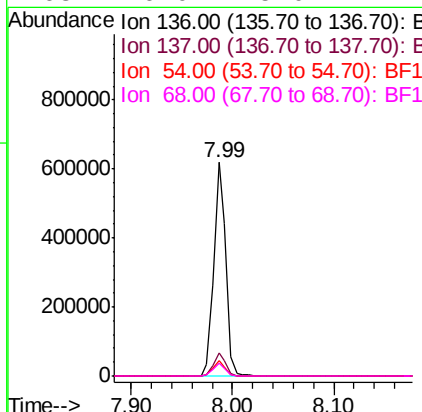
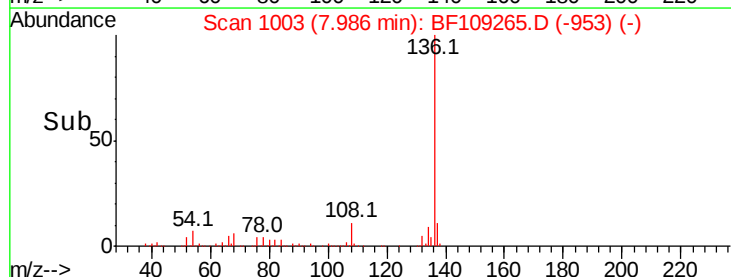
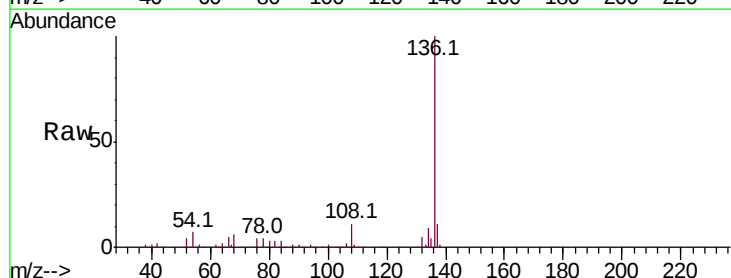
RT: 7.99 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF109265.D

Acq: 24 Sep 2018 14:15

Tgt Ion:	136	Resp:	507788
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	7.4	6.6	9.8
68	6.0	5.0	7.4





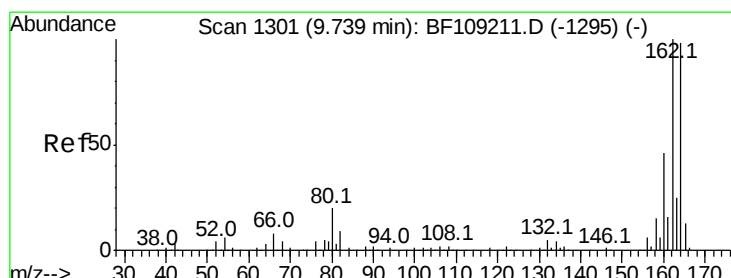
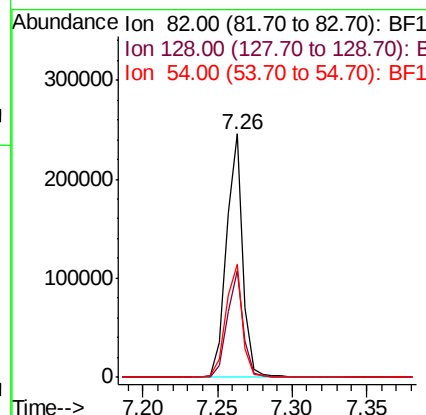
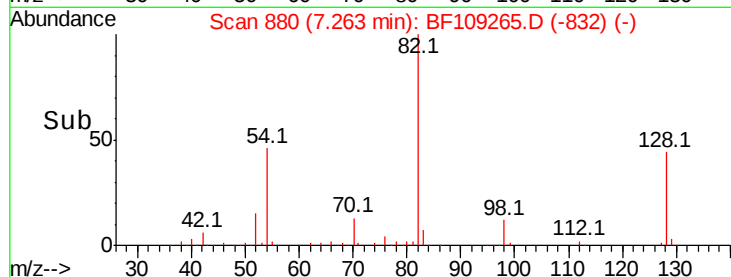
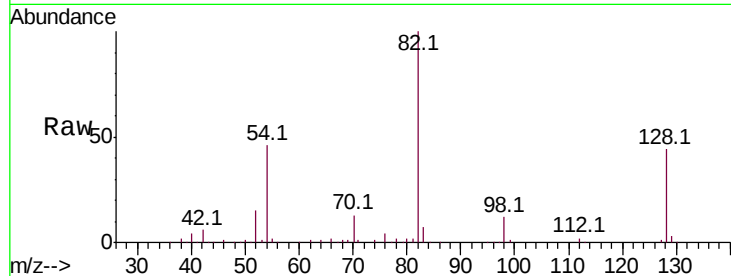
#23
 Nitrobenzene-d5
 Concen: 22.020 ng
 RT: 7.26 min Scan# 880
 Delta R.T. -0.02 min
 Lab File: BF109265.D
 Acq: 24 Sep 2018 14:15

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-092118-A

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.7	36.1	54.1
54	46.3	41.4	62.2

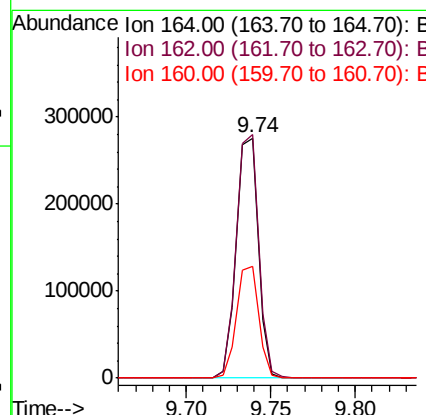
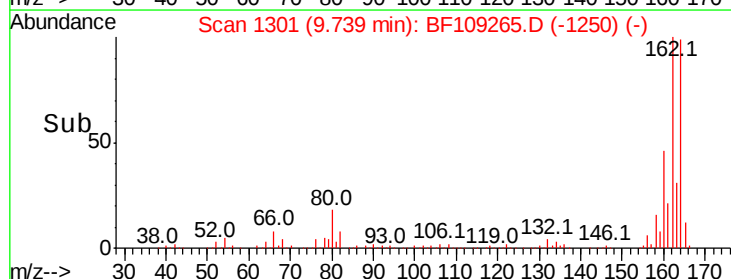
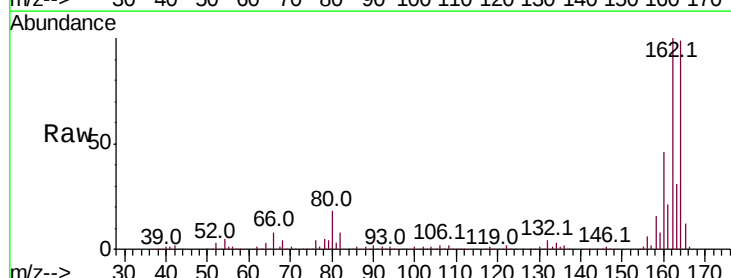
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. -0.00 min
 Lab File: BF109265.D
 Acq: 24 Sep 2018 14:15

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.5	86.1	129.1
160	46.4	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 30.741 ng

RT: 10.52 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BF109265.D

Acq: 24 Sep 2018 14:15

Instrument :

BNA_F

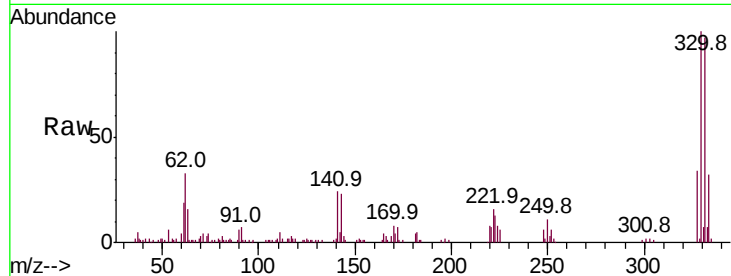
ClientSampleId :

JC-02-092118-A

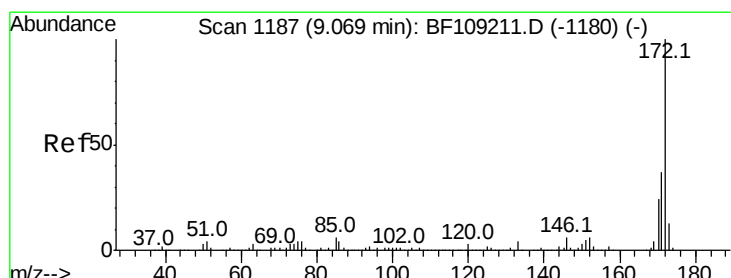
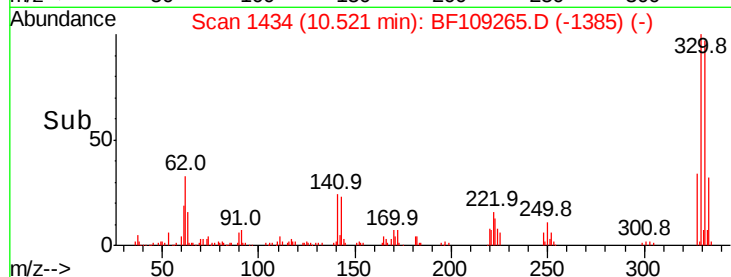
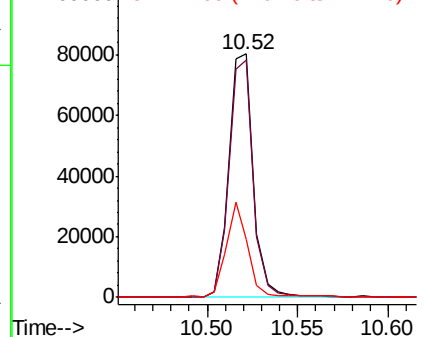
Tot Ion:	330	Resp:	75508
Ion Ratio	Lower	Upper	
330	100		
332	96.4	77.0	115.6
141	34.5	29.9	44.9

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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: 21.139 ng

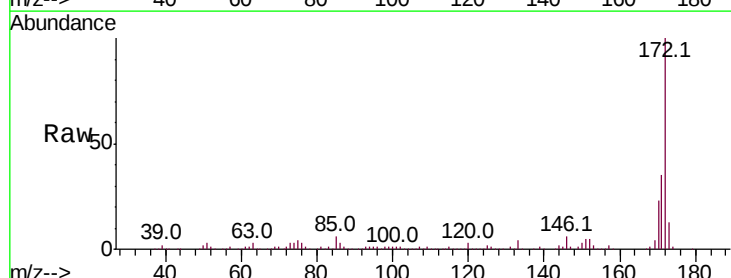
RT: 9.06 min Scan# 1186

Delta R.T. -0.01 min

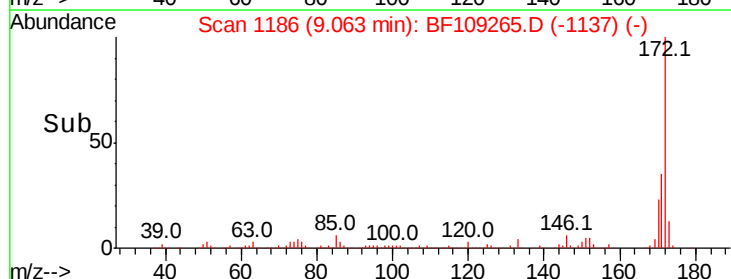
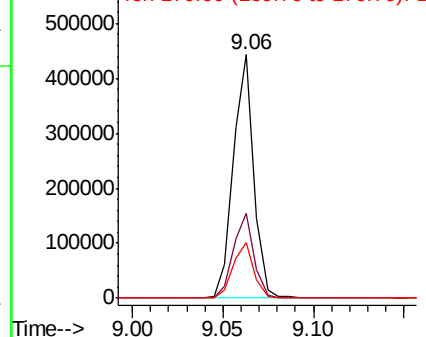
Lab File: BF109265.D

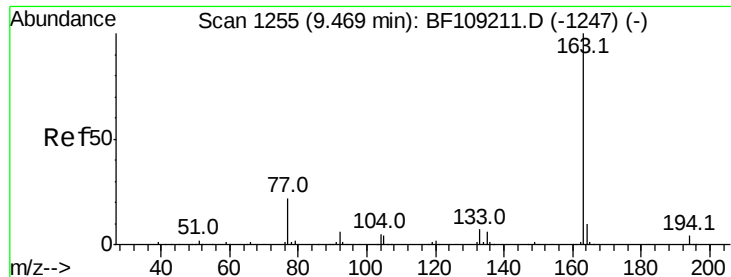
Acq: 24 Sep 2018 14:15

Tgt Ion:	172	Resp:	349233
Ion Ratio	Lower	Upper	
172	100		
171	35.0	29.7	44.5
170	23.0	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





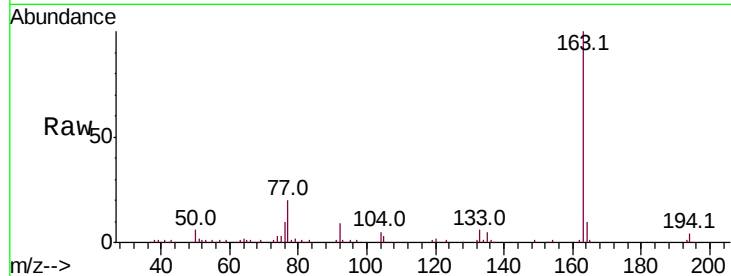
#49
Dimethylphthalate
Concen: 5.577 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF109265.D
Acq: 24 Sep 2018 14:15

Instrument :
BNA_F
ClientSampleId :
JC-02-092118-A

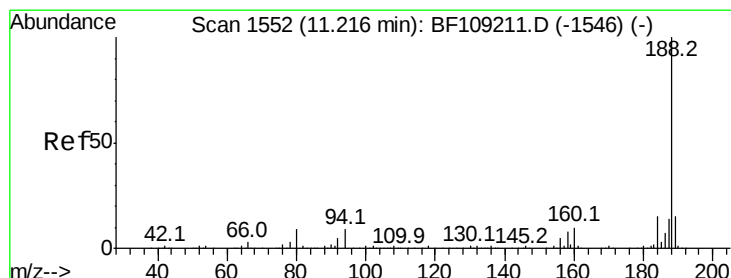
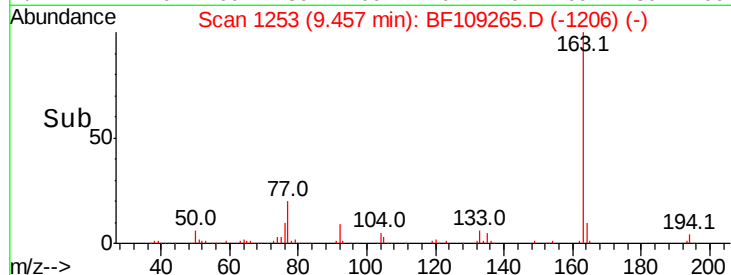
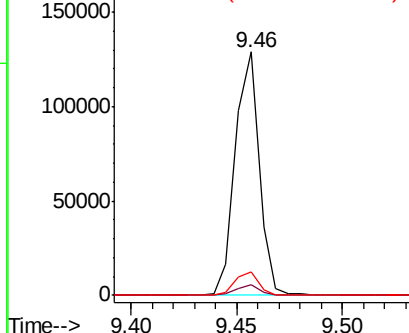
Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.3	2.7	4.1#	
164	9.6	8.2	12.2	

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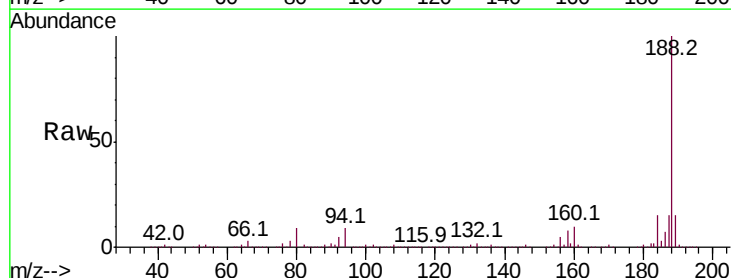


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

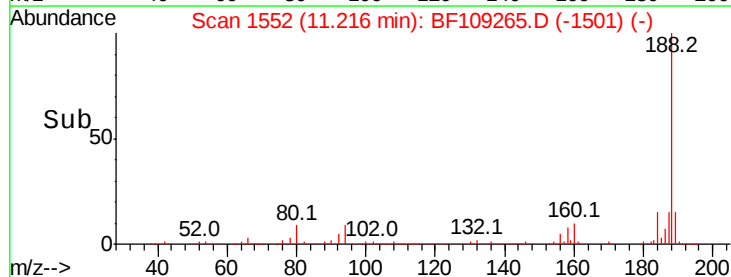
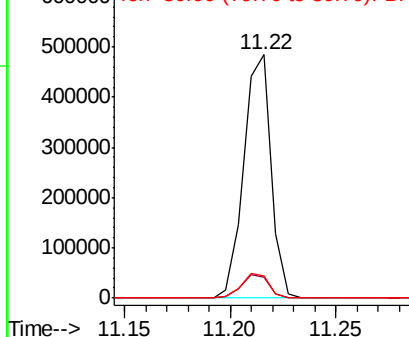


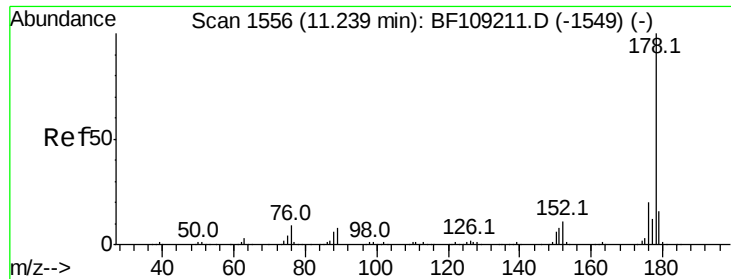
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1552
Delta R.T. -0.00 min
Lab File: BF109265.D
Acq: 24 Sep 2018 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	8.6	8.5	12.7	
80	9.1	9.2	13.8#	



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





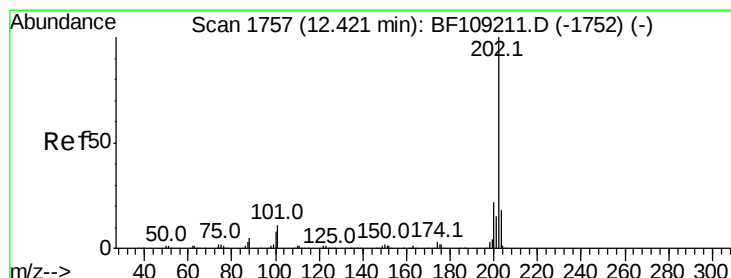
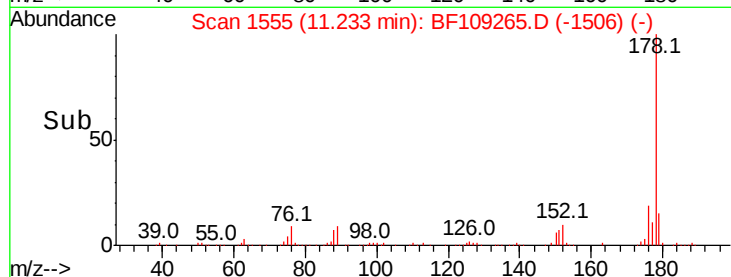
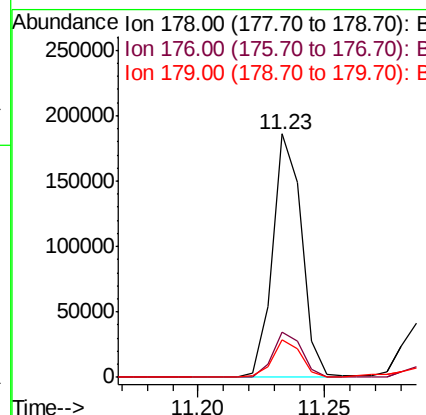
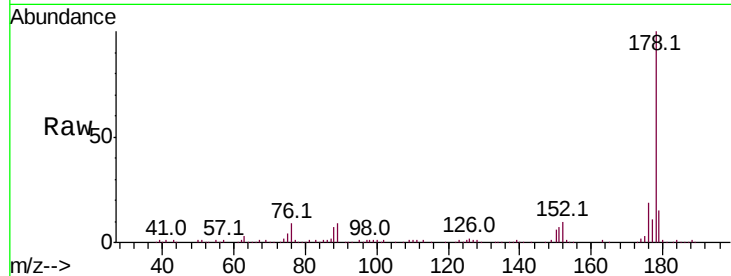
#70
Phenanthrene
Concen: 6.909 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF109265.D
Acq: 24 Sep 2018 14:15

Instrument :
BNA_F
ClientSampleId :
JC-02-092118-A

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.8
179	15.4	13.0	19.6

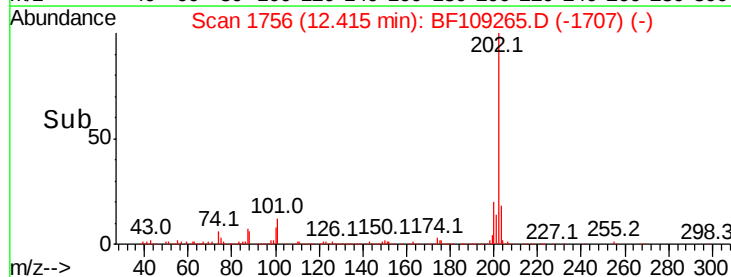
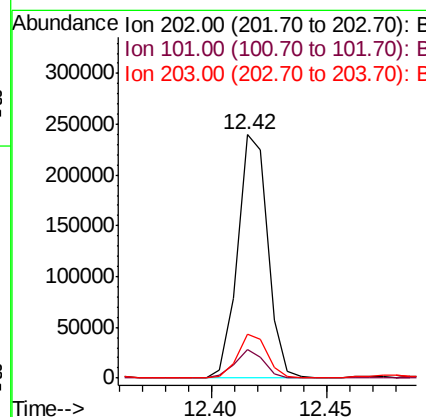
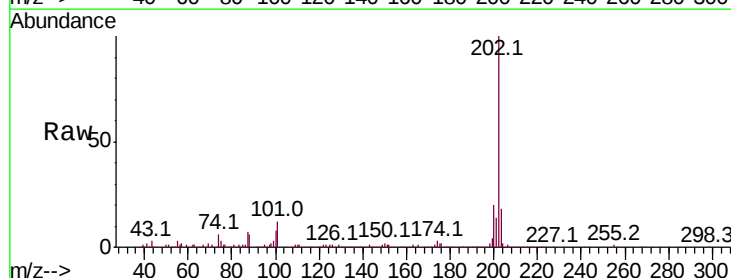
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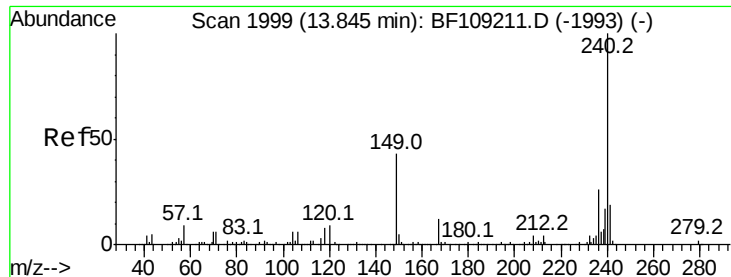
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#74
Fluoranthene
Concen: 9.397 ng
RT: 12.42 min Scan# 1756
Delta R.T. -0.01 min
Lab File: BF109265.D
Acq: 24 Sep 2018 14:15

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	34.1
203	17.8	0.0	38.1





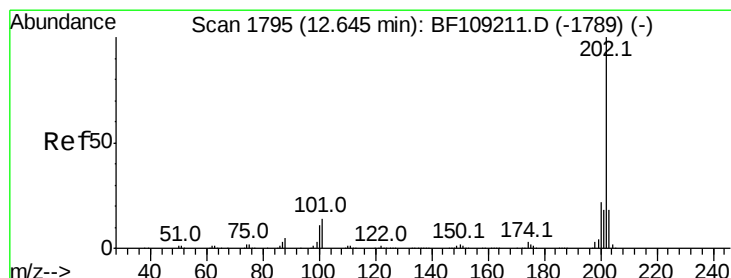
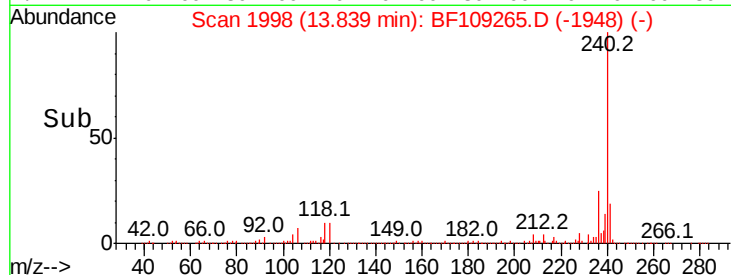
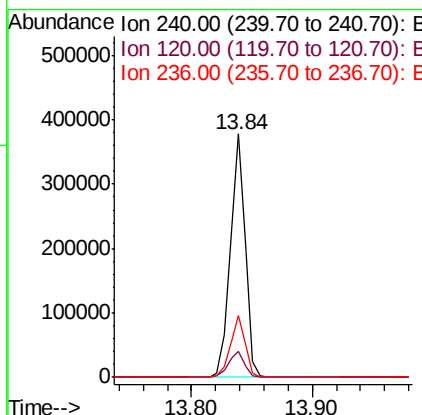
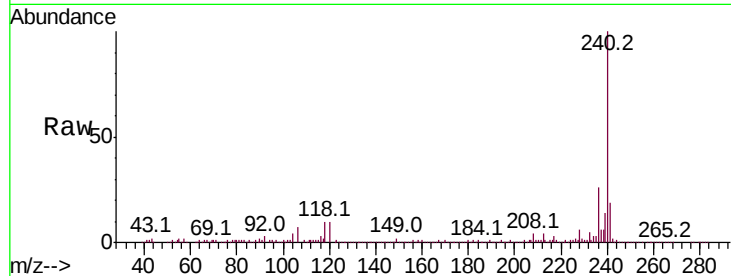
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF109265.D
Acq: 24 Sep 2018 14:15

Instrument :
BNA_F
ClientSampleId :
JC-02-092118-A

Tot Ion	Ratio	Resp	Lower	Upper
240	100	325445		
120	10.5		9.5	14.3
236	25.6		20.7	31.1

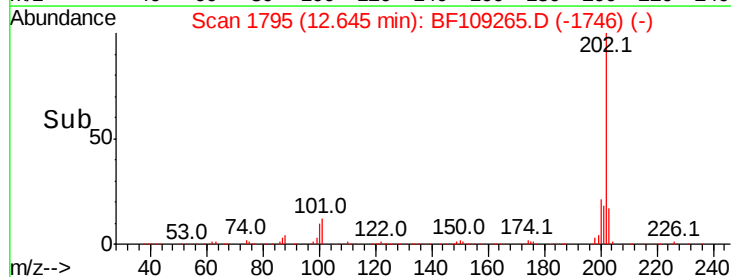
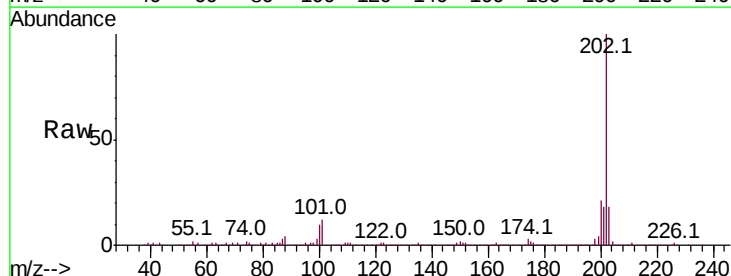
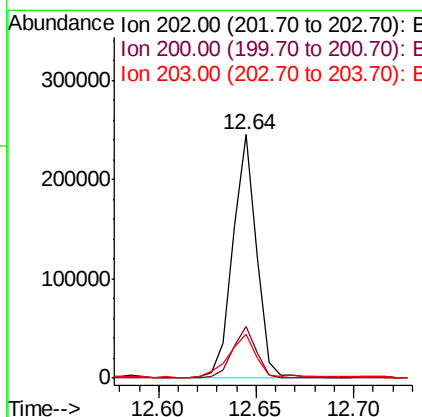
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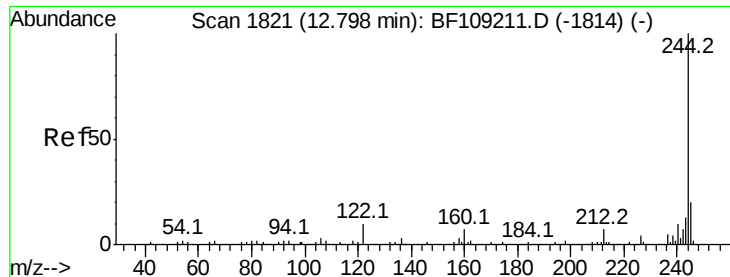
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#77
Pyrene
Concen: 8.761 ng
RT: 12.64 min Scan# 1795
Delta R.T. -0.01 min
Lab File: BF109265.D
Acq: 24 Sep 2018 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	204353		
200	21.0		17.4	26.2
203	17.8		14.3	21.5





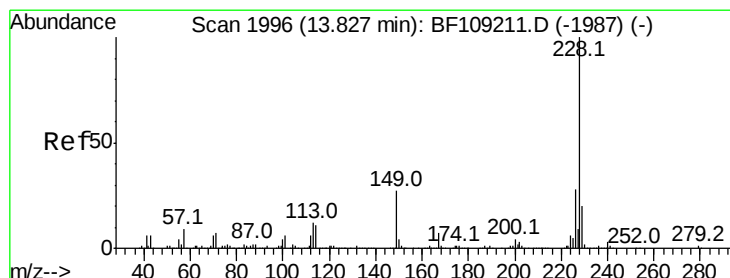
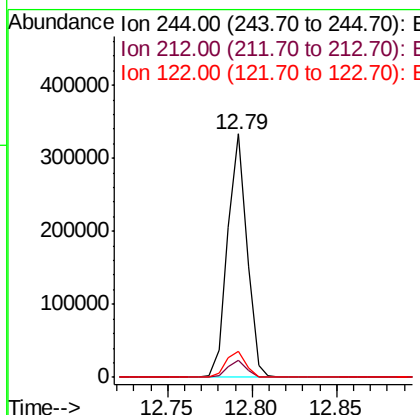
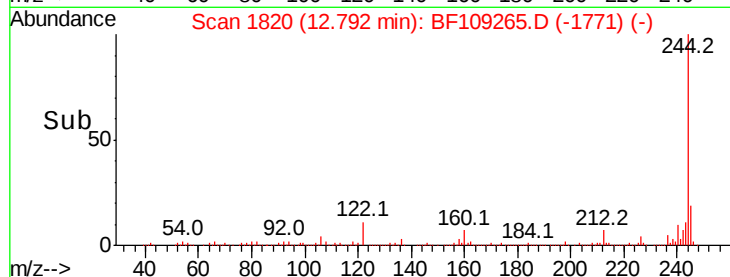
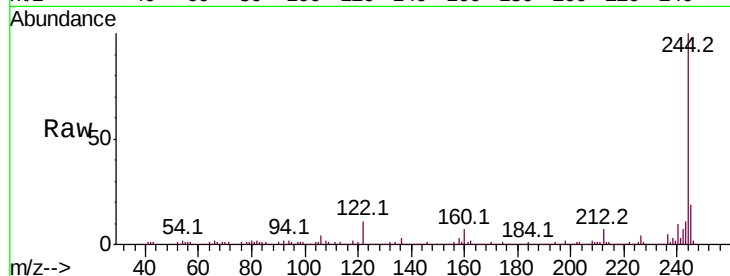
#78
 Terphenyl-d14
 Concen: 19.916 ng
 RT: 12.79 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BF109265.D
 Acq: 24 Sep 2018 14:15

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-092118-A

Tot Ion	Ratio	Resp	Lower	Upper
244	100	264110		
212	6.8	5.4	8.0	
122	10.9	11.0	16.4	

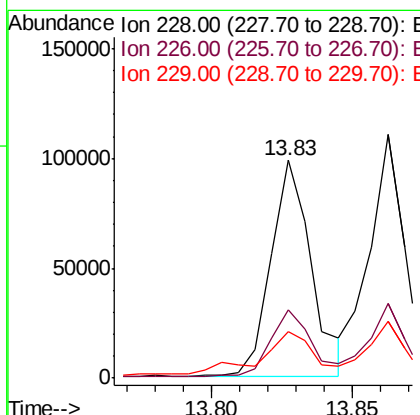
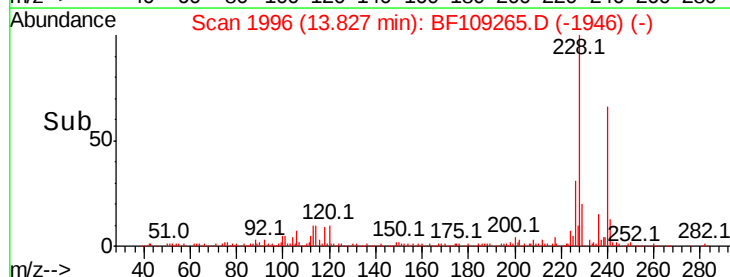
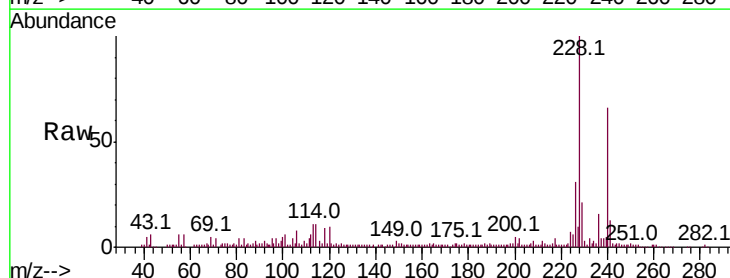
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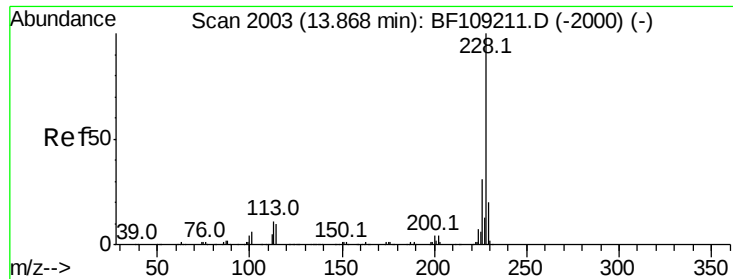
Sohil
 9/26/2018 11:34:22 AM



#80
 Benzo(a)anthracene
 Concen: 5.001 ng
 RT: 13.83 min Scan# 1996
 Delta R.T. -0.01 min
 Lab File: BF109265.D
 Acq: 24 Sep 2018 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	98033		
226	31.3	22.6	33.8	
229	21.4	15.8	23.6	





#82

Chrysene

Concen: 4.873 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF109265.D

Acq: 24 Sep 2018 14:15

Instrument :

BNA_F

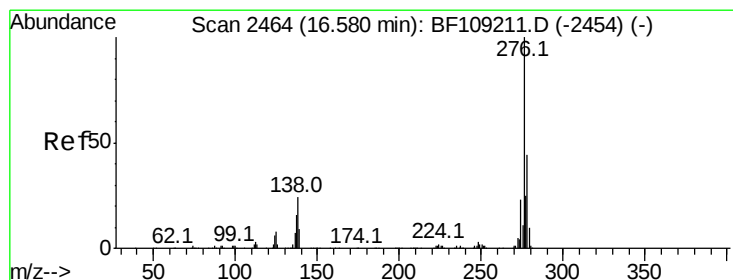
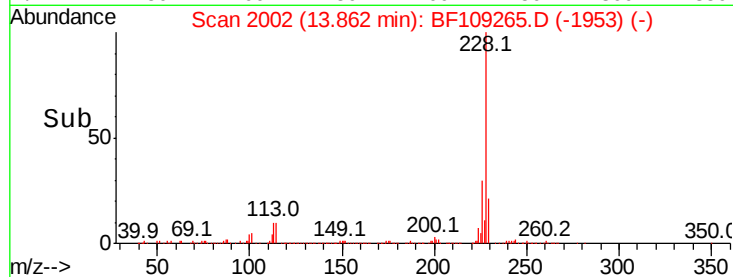
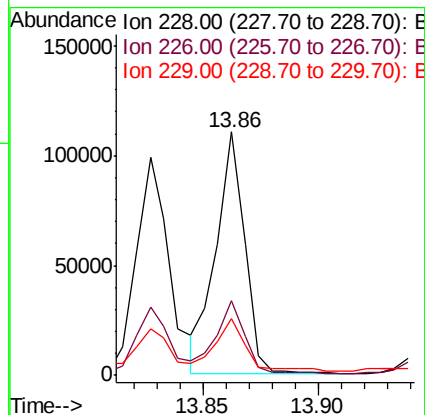
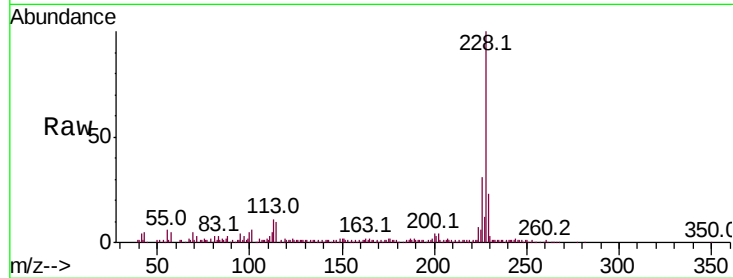
ClientSampleId :

JC-02-092118-A

Tot Ion:228	Resp:	94671
Ion Ratio	Lower	Upper
228 100		
226 30.8	25.0	37.6
229 23.2	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 2.641 ng

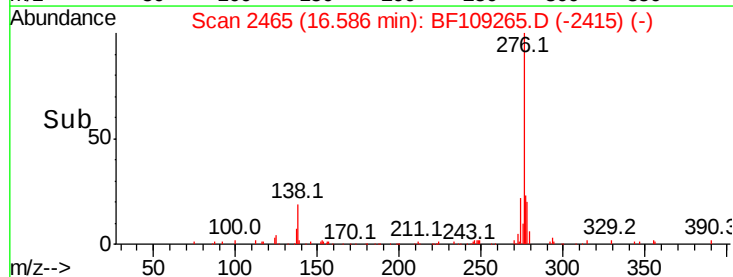
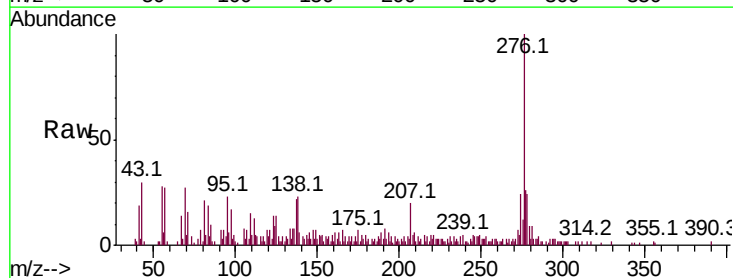
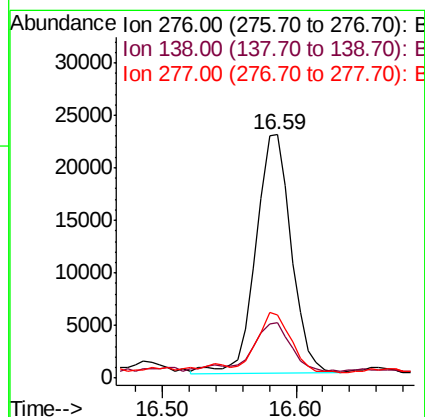
RT: 16.59 min Scan# 2465

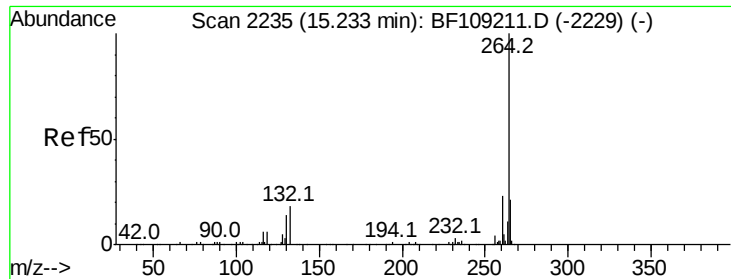
Delta R.T. -0.01 min

Lab File: BF109265.D

Acq: 24 Sep 2018 14:15

Tgt Ion:276	Resp:	41593
Ion Ratio	Lower	Upper
276 100		
138 20.1	25.0	37.6#
277 24.1	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.24 min Scan# 2237

Delta R.T. 0.01 min

Lab File: BF109265.D

Acq: 24 Sep 2018 14:15

Instrument :

BNA_F

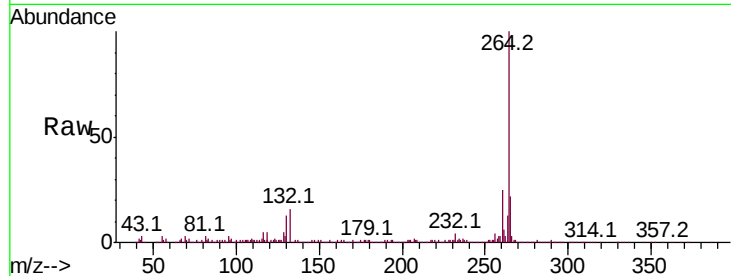
ClientSampleId :

JC-02-092118-A

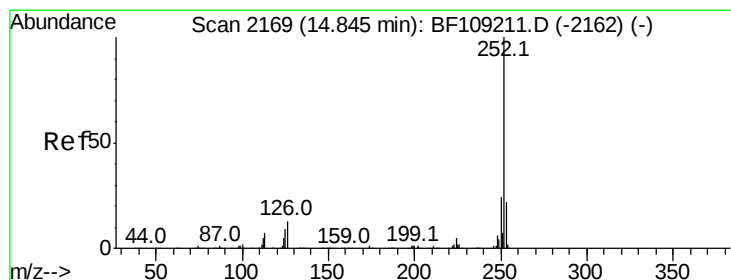
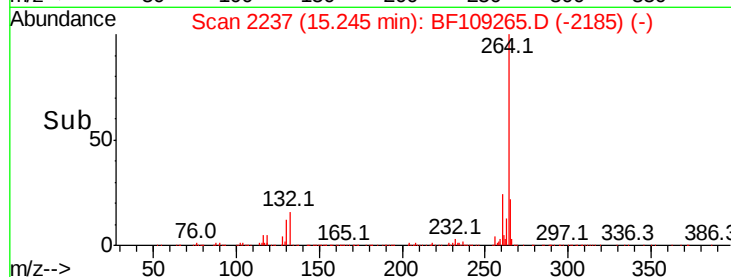
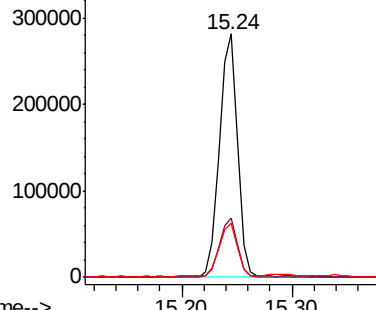
Tot Ion:	264	Resp:	324914
Ion Ratio	Lower	Upper	
264	100		
260	24.6	19.2	28.8
265	22.4	17.5	26.3

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 7.066 ng m

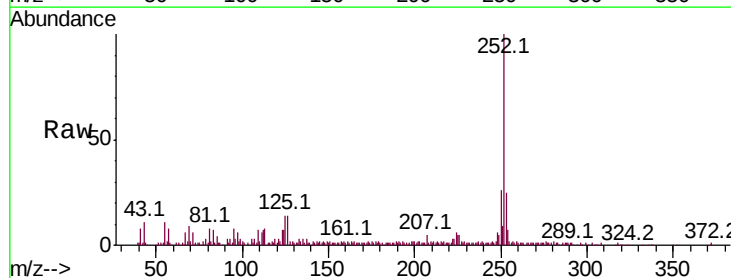
RT: 14.84 min Scan# 2169

Delta R.T. -0.01 min

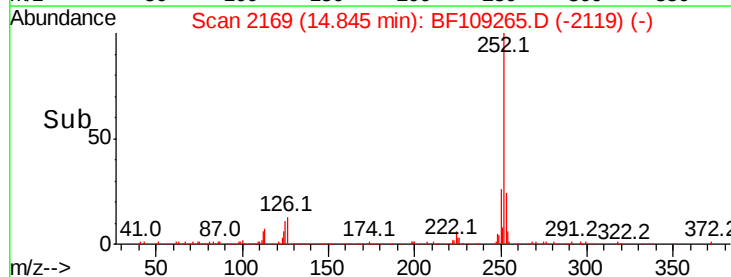
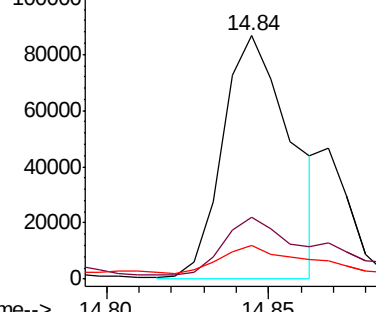
Lab File: BF109265.D

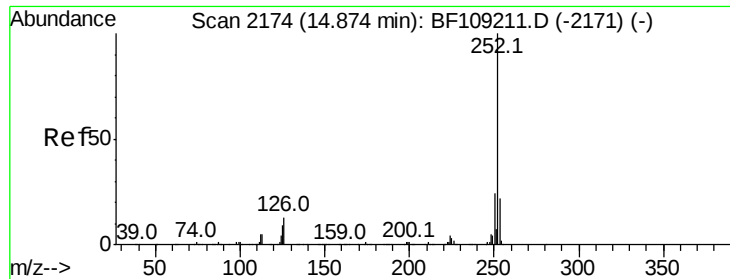
Acq: 24 Sep 2018 14:15

Tgt Ion:	252	Resp:	126151
Ion Ratio	Lower	Upper	
252	100		
253	25.4	17.0	25.6
125	13.7	9.0	13.6#



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





#88

Benzo(k)fluoranthene

Concen: 2.001 ng

RT: 14.87 min Scan# 2173

Delta R.T. -0.01 min

Lab File: BF109265.D

Acq: 24 Sep 2018 14:15

Instrument :

BNA_F

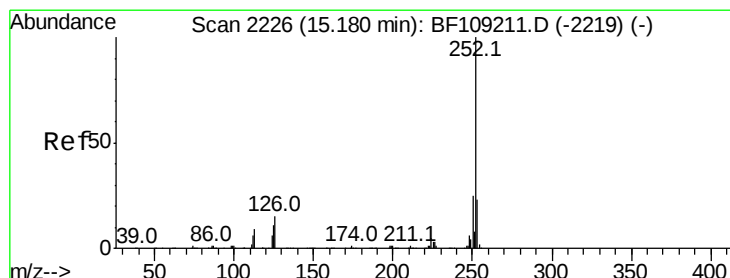
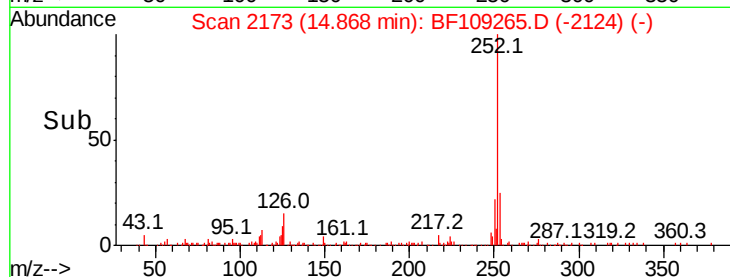
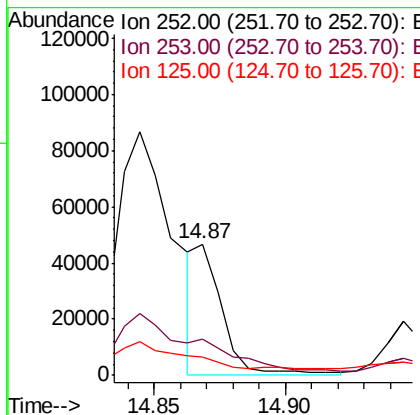
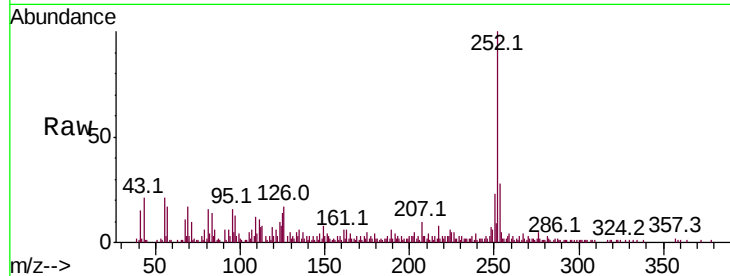
ClientSampleId :

JC-02-092118-A

Tot Ion:	252	Resp:	33896
Ion Ratio	Lower	Upper	
252	100		
253	27.7	17.9	26.9#
125	13.6	10.2	15.2

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#89

Benzo(a)pyrene

Concen: 5.216 ng

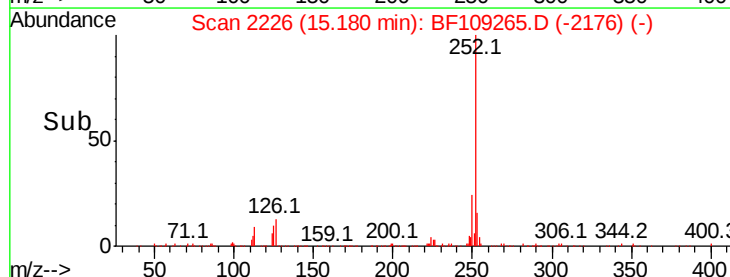
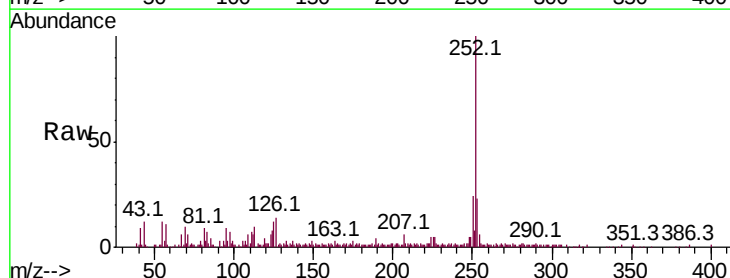
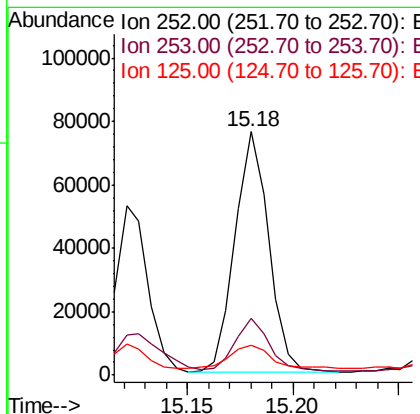
RT: 15.18 min Scan# 2226

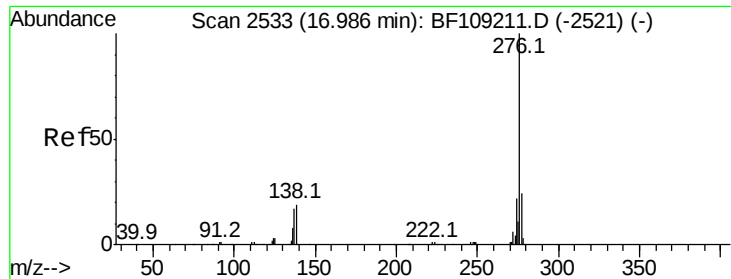
Delta R.T. -0.01 min

Lab File: BF109265.D

Acq: 24 Sep 2018 14:15

Tgt Ion:	252	Resp:	83918
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.1	25.7
125	12.5	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 3.070 ng
 RT: 16.99 min Scan# 2533
 Delta R.T. -0.01 min
 Lab File: BF109265.D
 Acq: 24 Sep 2018 14:15

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-092118-A

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.1	17.9	26.9#
138	19.4	21.8	32.8#

Manual Integrations
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Sohil
 9/26/2018 11:34:22 AM

