

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091718\
 Data File : BF109043.D
 Acq On : 17 Sep 2018 12:58
 Operator : JU/SJ
 Sample : J4775-05 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-091418-A

Manual Integrations
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 9/18/2018 5:59:57 PM

Quant Time: Sep 17 16:22:48 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 14 13:26:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	97489	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	343857	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	154112	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	291882	20.00	ng	0.00
75) Chrysene-d12	13.85	240	293760	20.00	ng	0.00
86) Perylene-d12	15.25	264	276680	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	163487	27.85	ng	0.00
7) Phenol-d6	6.34	99	204754	27.05	ng	-0.02
23) Nitrobenzene-d5	7.27	82	119451	19.48	ng	-0.02
41) 2,4,6-Tribromophenol	10.53	330	43024	25.72	ng	-0.01
44) 2-Fluorobiphenyl	9.08	172	214207	21.78	ng	0.00
78) Terphenyl-d14	12.81	244	216288	17.45	ng	0.00
Target Compounds						
57) Fluorene	10.30	166	20731	2.322	ng	Qvalue # 95
70) Phenanthrene	11.25	178	211321	14.769	ng	98
71) Anthracene	11.30	178	64353	4.437	ng	96
74) Fluoranthene	12.44	202	302938	20.055	ng	98
77) Pyrene	12.66	202	331377	15.187	ng	100
80) Benzo(a)anthracene	13.84	228	179839	10.112	ng	96
82) Chrysene	13.88	228	147496	8.289	ng	95
85) Indeno(1,2,3-cd)pyrene	16.60	276	57107	4.014	ng	93
87) Benzo(b)fluoranthene	14.86	252	184047m	12.024	ng	
88) Benzo(k)fluoranthene	14.88	252	49691m	3.476	ng	
89) Benzo(a)pyrene	15.19	252	123392	9.077	ng	95
91) Benzo(a,h,i)perylene	17.01	276	52061	4.560	ng	# 91

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

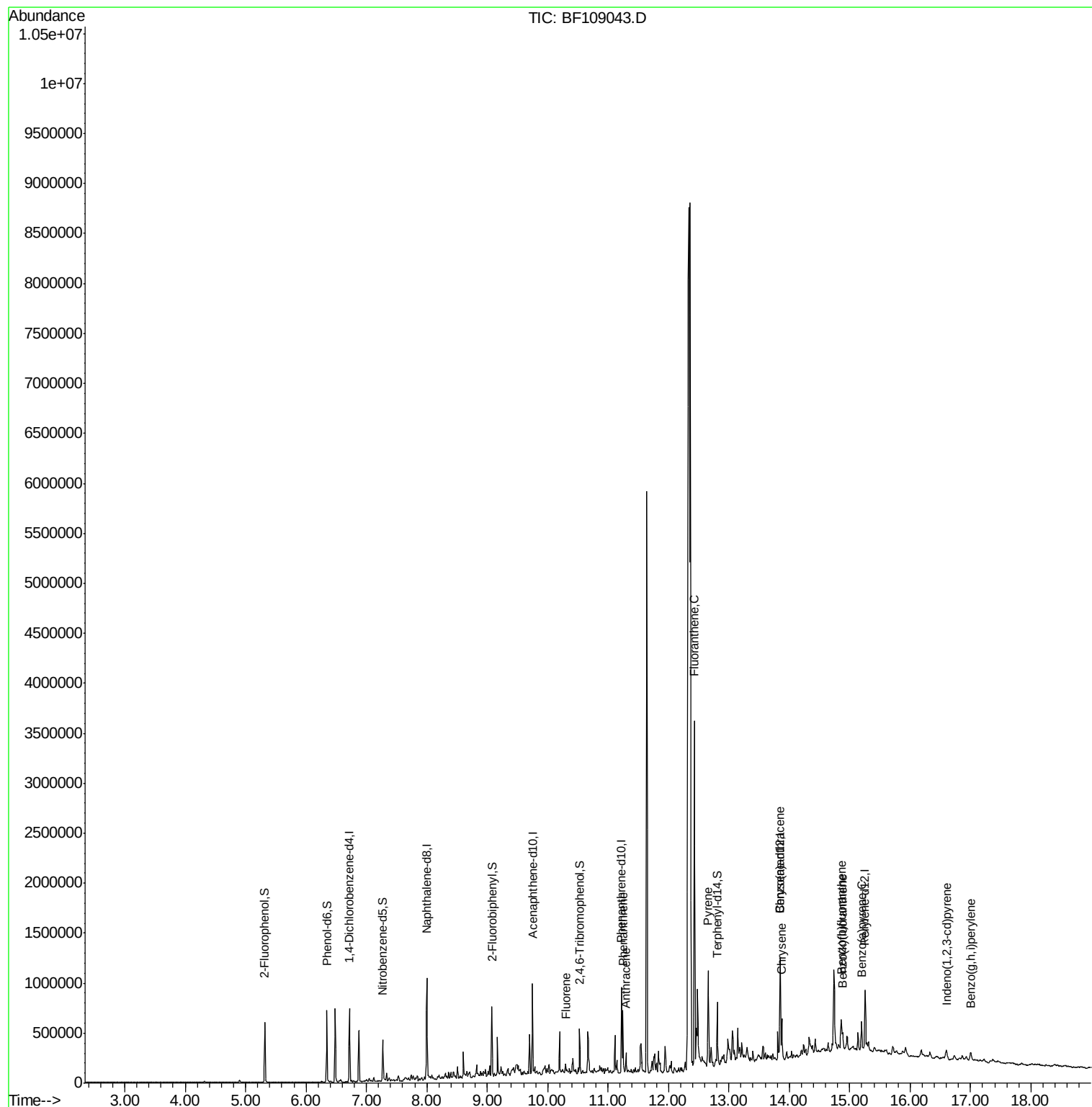
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091718\
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Misc :
ALS Vial : 7 Sample Multiplier: 1

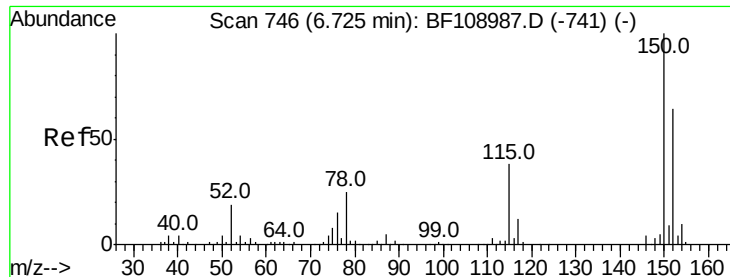
Instrument :
BNA_F
ClientSampleId :
OR-03-091418-A

Quant Time: Sep 17 16:22:48 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 14 13:26:52 2018
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#1

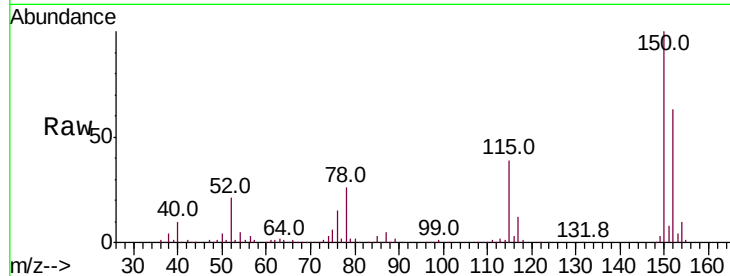
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF109043.D
Acq: 17 Sep 2018 12:58

Instrument :
BNA_F
ClientSampleId :
OR-03-091418-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	124.6	186.8
115	61.7	50.1	75.1

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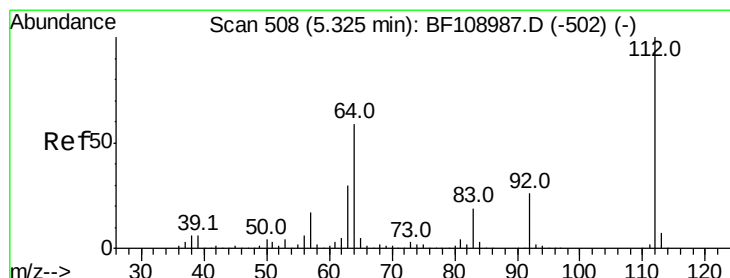
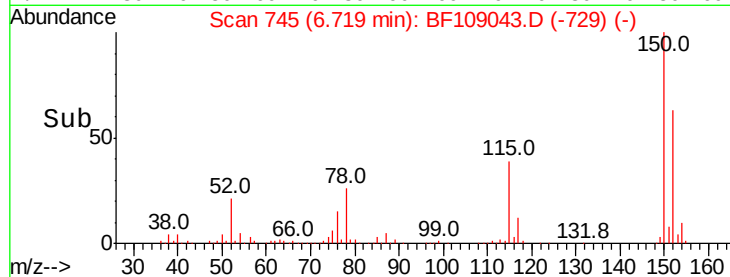
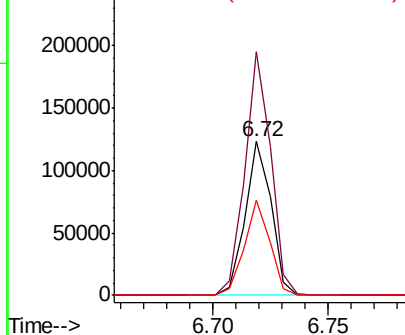


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

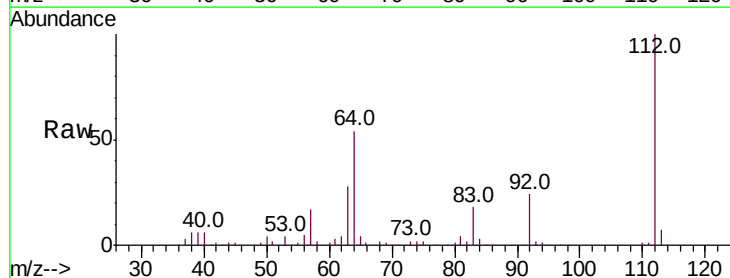
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 27.853 ng
RT: 5.32 min Scan# 507
Delta R.T. -0.00 min
Lab File: BF109043.D
Acq: 17 Sep 2018 12:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.4	47.9	71.9
63	28.0	23.7	35.5

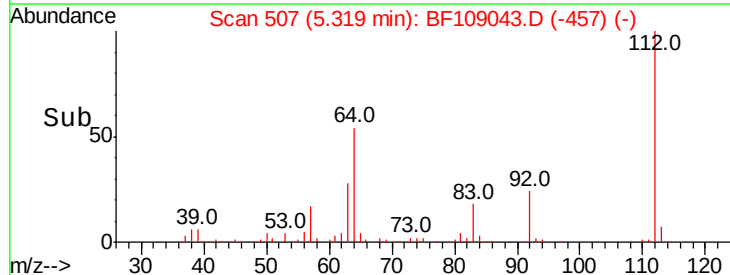
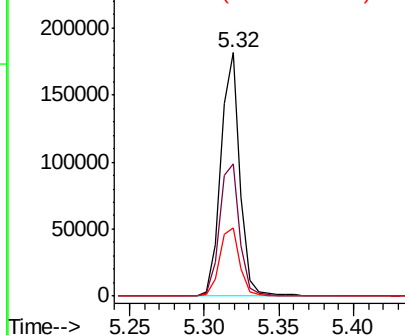


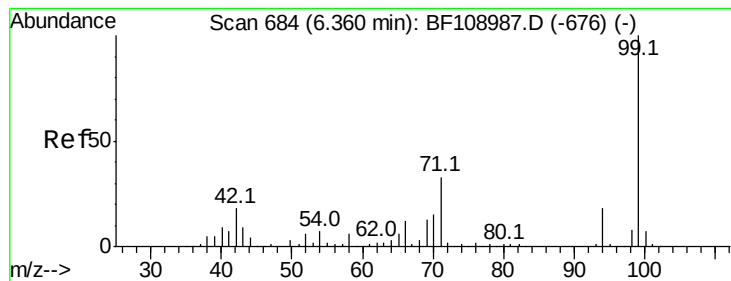
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 27.053 ng

RT: 6.34 min Scan# 681

Delta R.T. -0.02 min

Lab File: BF109043.D

Acq: 17 Sep 2018 12:58

Instrument :

BNA_F

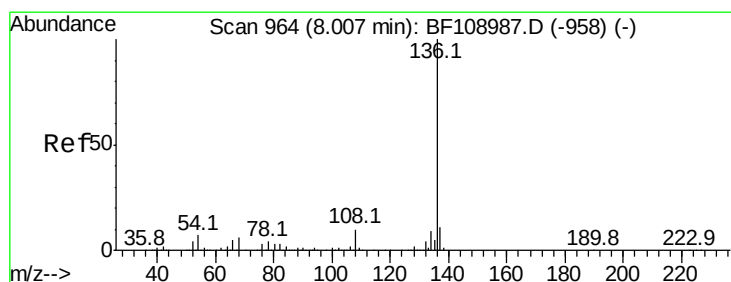
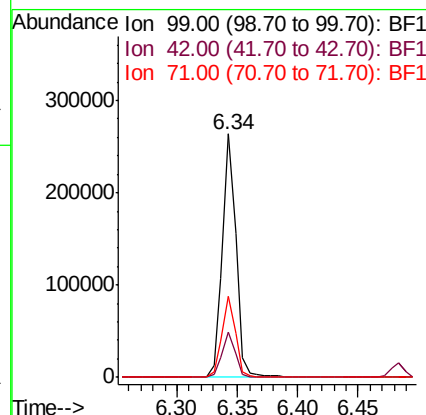
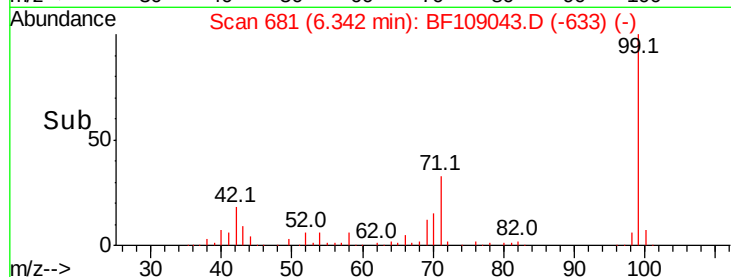
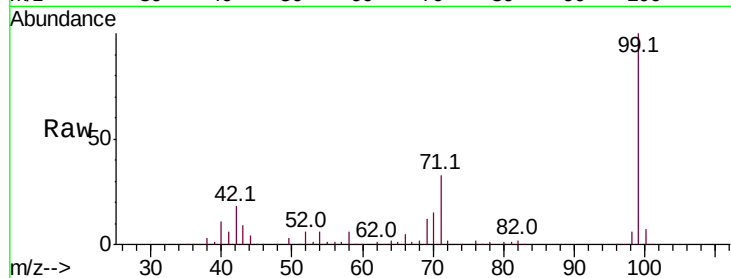
ClientSampleId :

OR-03-091418-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		204754		
42	18.4	14.5	21.7		
71	33.3	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

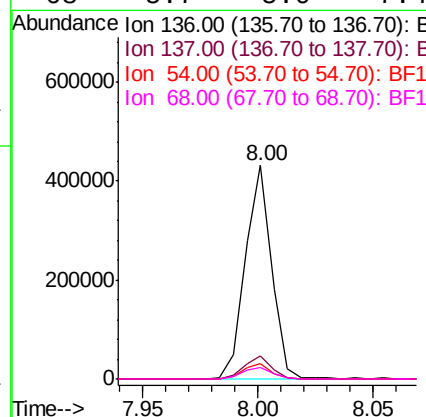
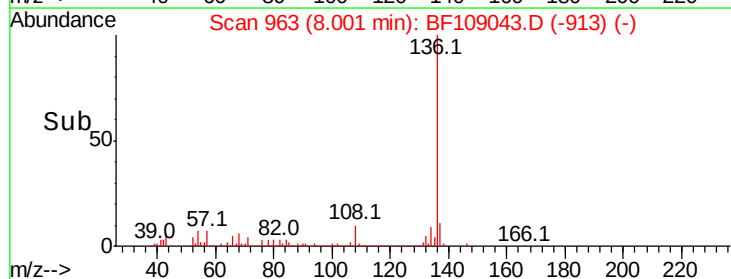
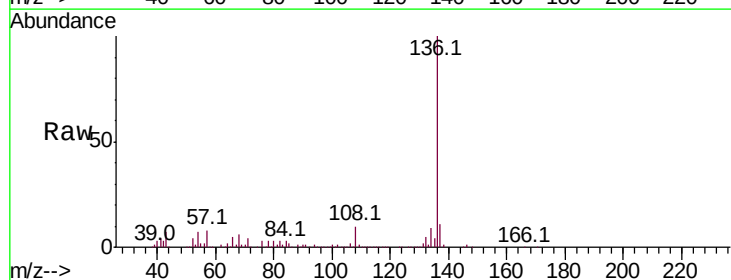
RT: 8.00 min Scan# 963

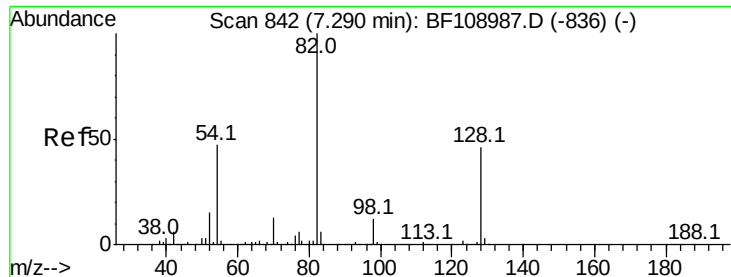
Delta R.T. -0.01 min

Lab File: BF109043.D

Acq: 17 Sep 2018 12:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		343857		
137	11.0	8.9	13.3		
54	7.4	6.6	9.8		
68	5.7	5.0	7.4		





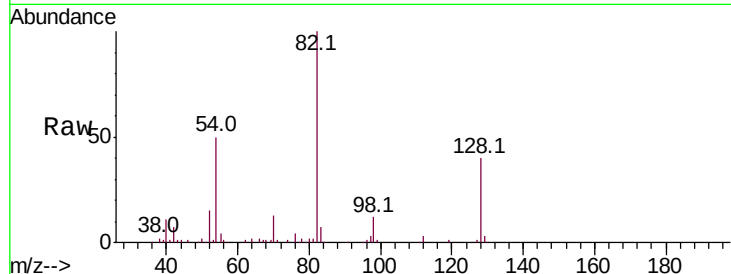
#23
 Nitrobenzene-d5
 Concen: 19.484 ng
 RT: 7.27 min Scan# 839
 Delta R.T. -0.02 min
 Lab File: BF109043.D
 Acq: 17 Sep 2018 12:58

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-091418-A

Tot Ion	Ratio	Resp	Lower	Upper
82	100	119451		
128	39.8	36.1	54.1	
54	49.6	41.4	62.2	

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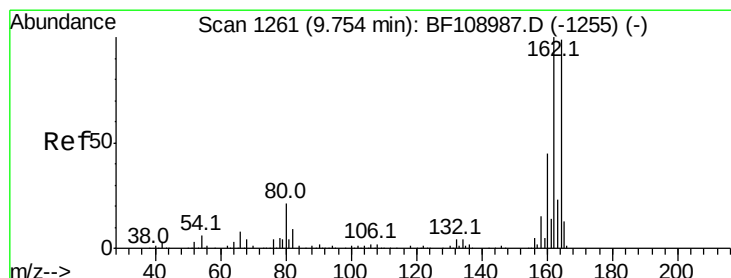
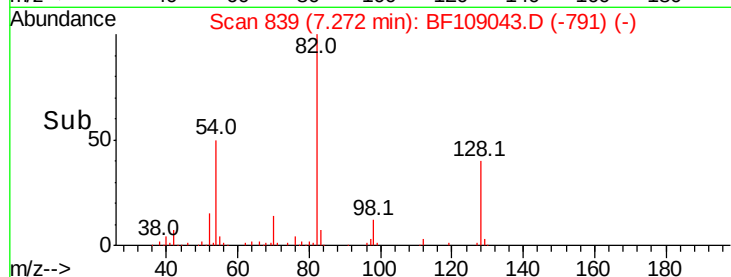
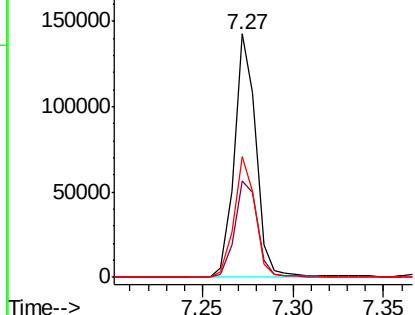


Abundance

Ion 82.00 (81.70 to 82.70): BF1

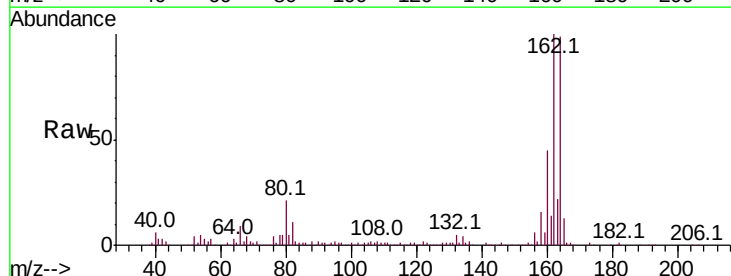
Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: BF109043.D
 Acq: 17 Sep 2018 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	154112		
162	101.5	86.1	129.1	
160	46.1	38.3	57.5	

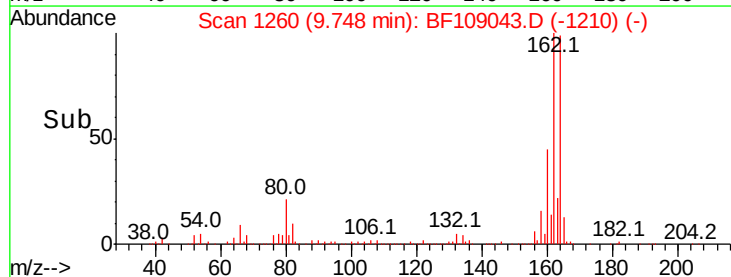
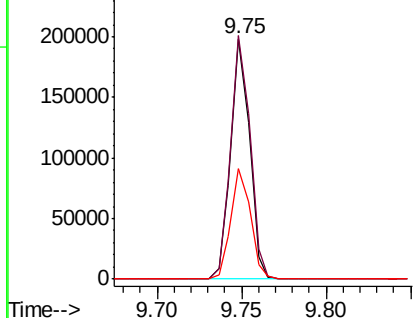


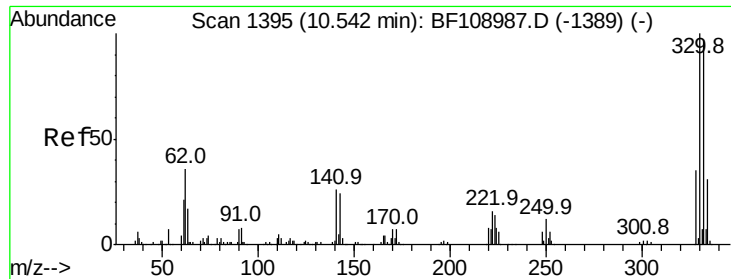
Abundance

Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1





#41

2,4,6-Tribromophenol

Concen: 25.724 ng

RT: 10.53 min Scan# 1393

Delta R.T. -0.01 min

Lab File: BF109043.D

Acq: 17 Sep 2018 12:58

Instrument :

BNA_F

ClientSampleId :

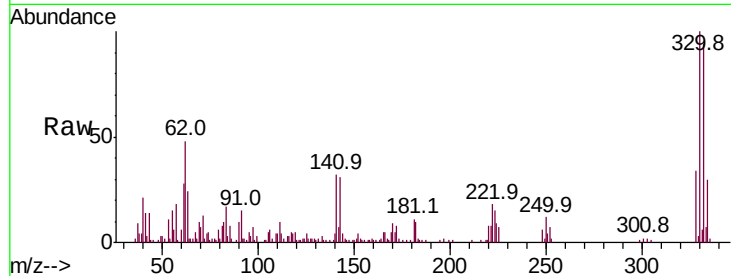
OR-03-091418-A

Tot Ion:	330	Resp:	43024
Ion Ratio	Lower	Upper	
330	100		
332	92.6	77.0	115.6
141	33.1	29.9	44.9

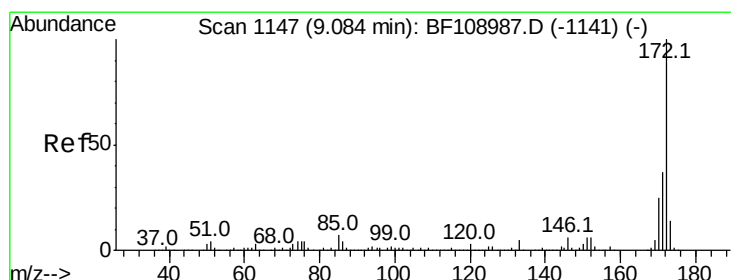
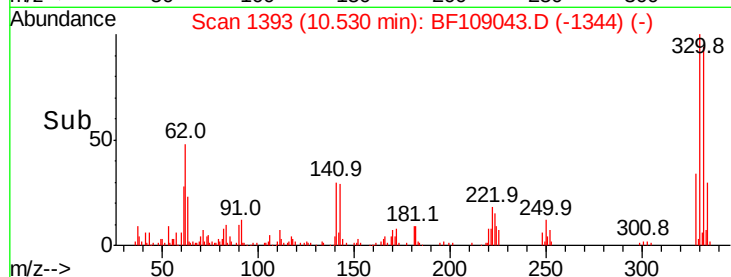
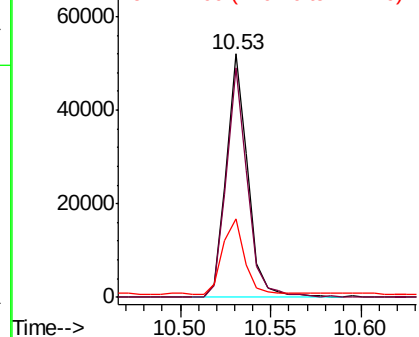
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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 21.777 ng

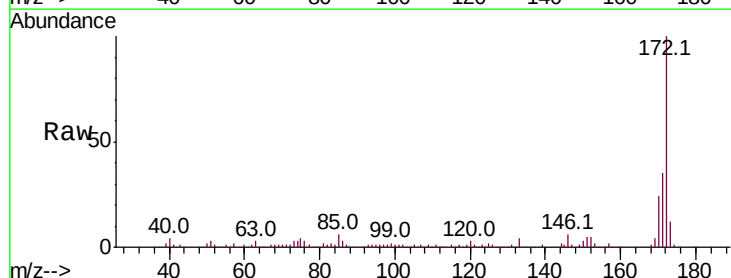
RT: 9.08 min Scan# 1146

Delta R.T. -0.01 min

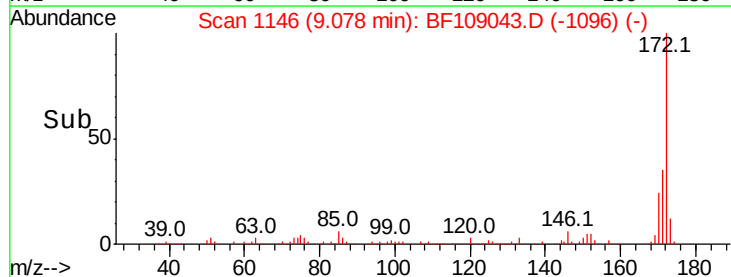
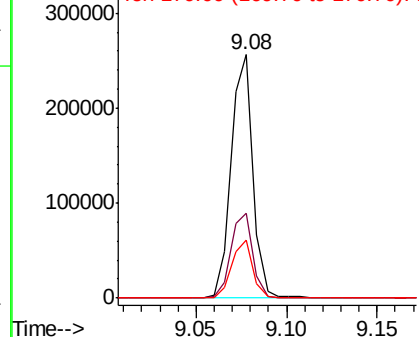
Lab File: BF109043.D

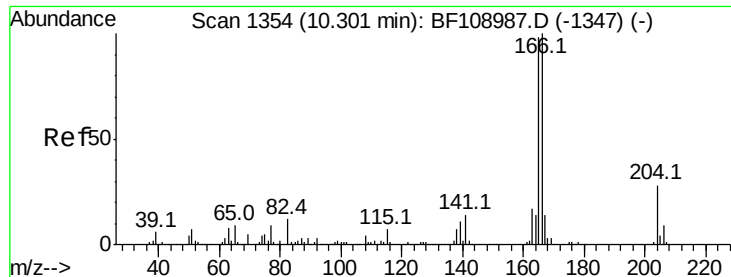
Acq: 17 Sep 2018 12:58

Tgt Ion:	172	Resp:	214207
Ion Ratio	Lower	Upper	
172	100		
171	35.1	29.7	44.5
170	23.9	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





#57

Fluorene

Concen: 2.322 ng

RT: 10.30 min Scan# 1353

Delta R.T. -0.01 min

Lab File: BF109043.D

Acq: 17 Sep 2018 12:58

Instrument :

BNA_F

ClientSampleId :

OR-03-091418-A

Tot Ion:166 Resp: 20731

Ion Ratio Lower Upper

166 100

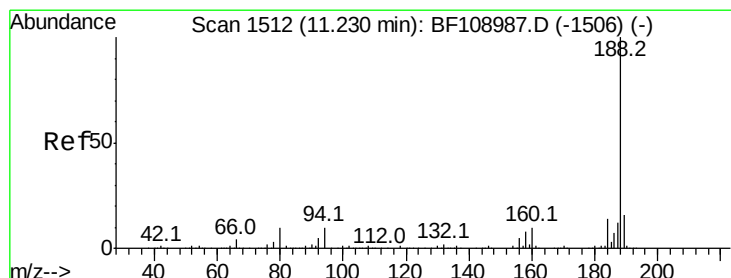
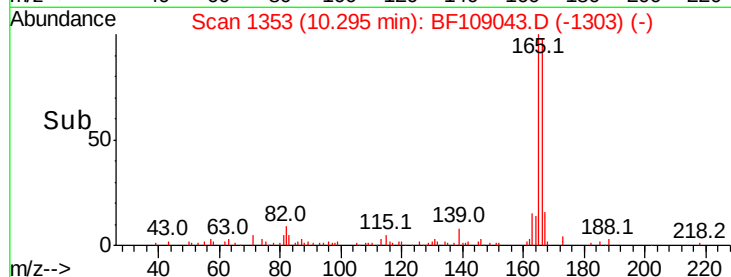
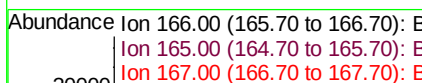
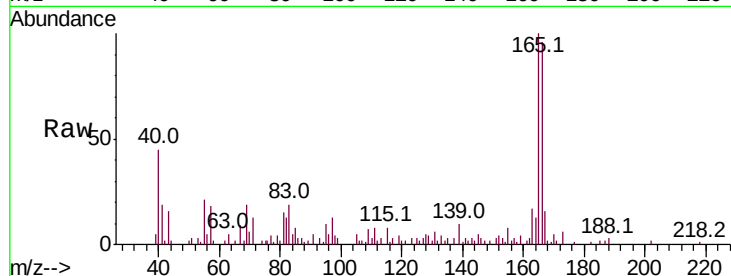
165 104.3 79.8 119.8

167 16.3 10.6 16.0#

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#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.22 min Scan# 1511

Delta R.T. -0.01 min

Lab File: BF109043.D

Acq: 17 Sep 2018 12:58

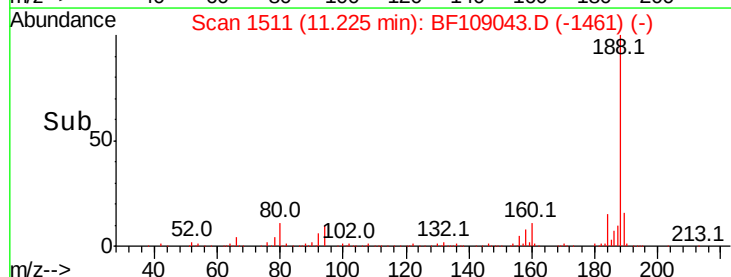
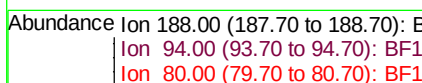
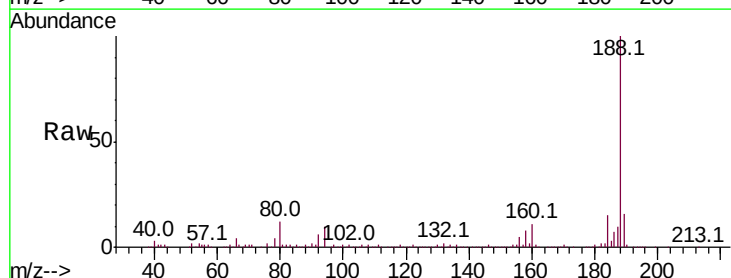
Tgt Ion:188 Resp: 291882

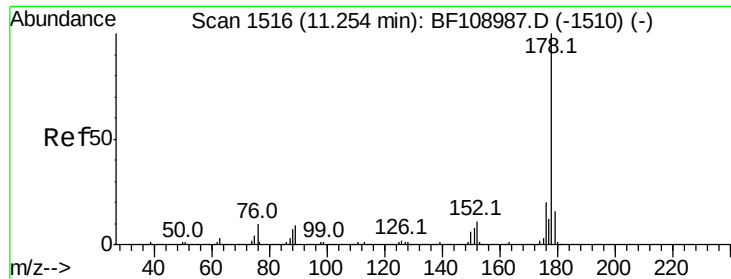
Ion Ratio Lower Upper

188 100

94 10.1 8.5 12.7

80 11.6 9.2 13.8





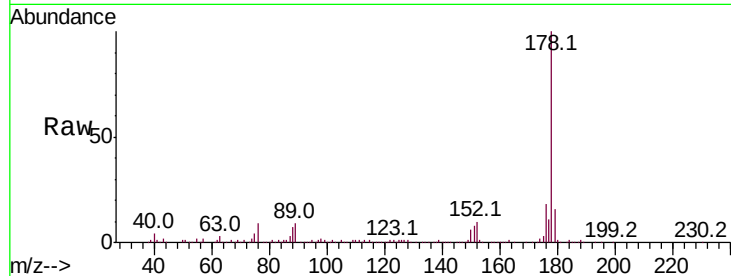
#70
Phenanthrene
Concen: 14.769 ng
RT: 11.25 min Scan# 1515
Delta R.T. -0.01 min
Lab File: BF109043.D
Acq: 17 Sep 2018 12:58

Instrument :
BNA_F
ClientSampleId :
OR-03-091418-A

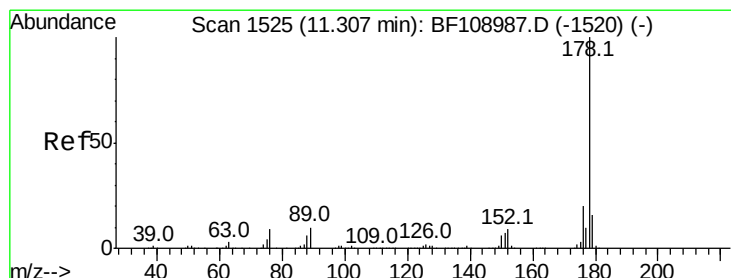
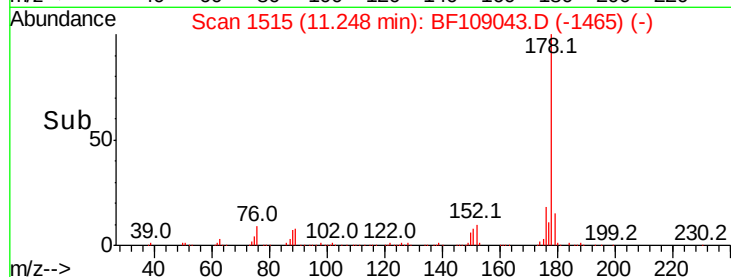
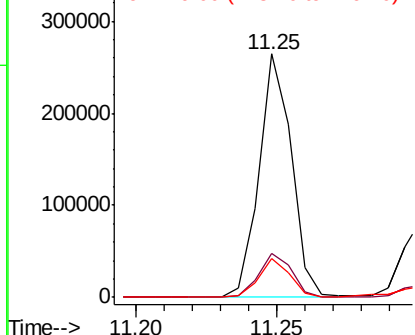
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.8	23.8
179	15.7	13.0	19.6

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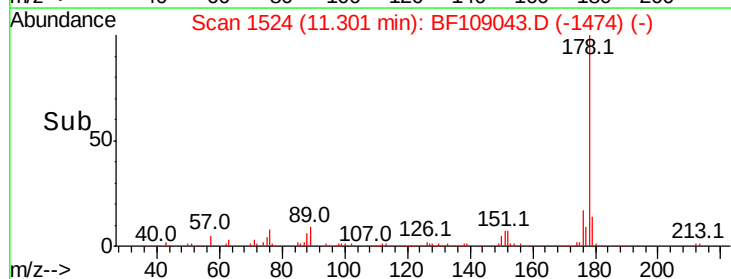
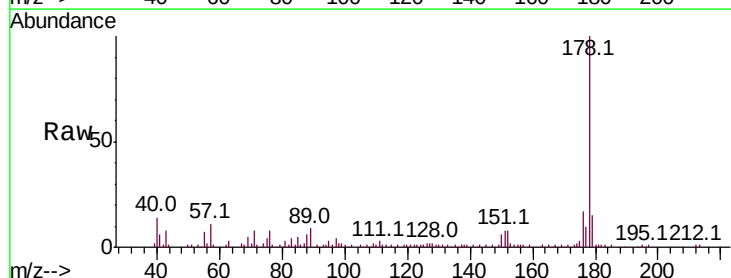
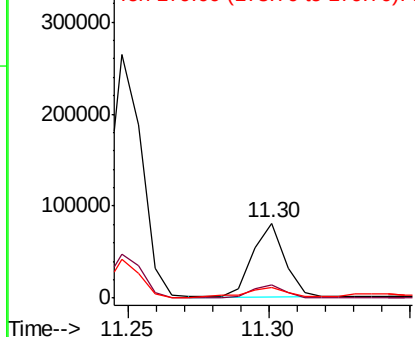
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

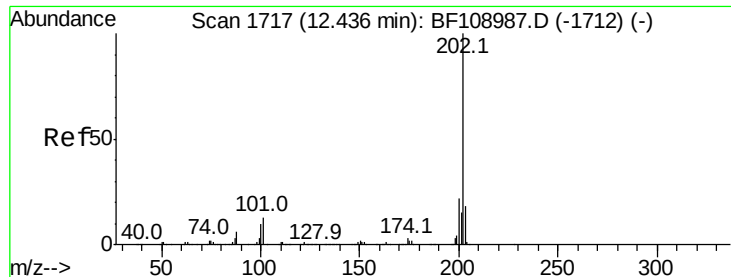


#71
Anthracene
Concen: 4.437 ng
RT: 11.30 min Scan# 1524
Delta R.T. -0.01 min
Lab File: BF109043.D
Acq: 17 Sep 2018 12:58

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.1	15.4	23.2
179	14.8	12.6	19.0

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





#74

Fluoranthene

Concen: 20.055 ng

RT: 12.44 min Scan# 1717

Delta R.T. -0.00 min

Lab File: BF109043.D

Acq: 17 Sep 2018 12:58

Instrument :

BNA_F

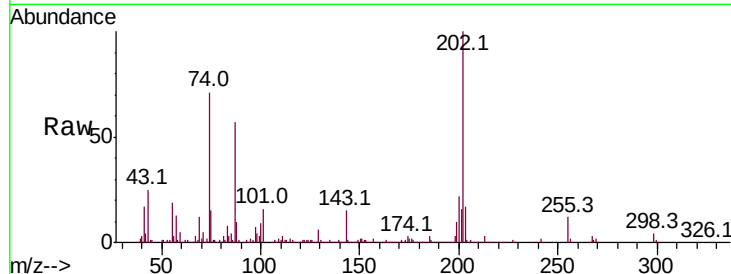
ClientSampleId :

OR-03-091418-A

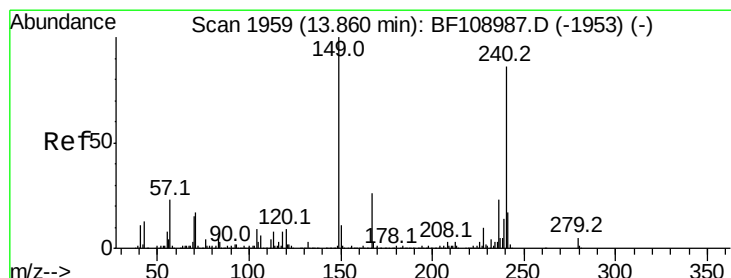
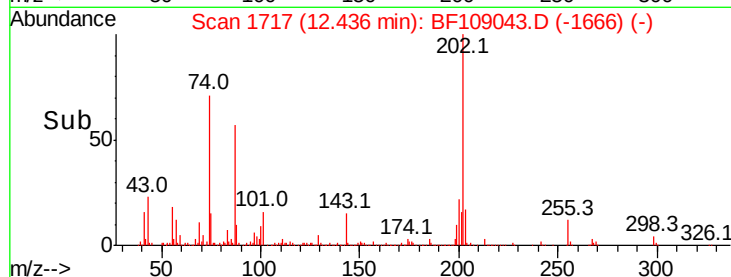
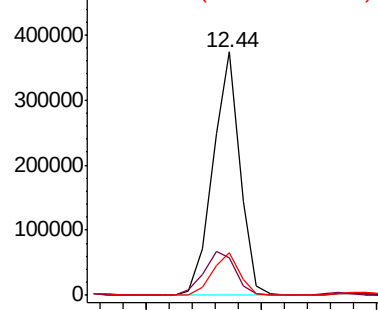
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	15.6	0.0	34.1
203	17.5	0.0	38.1

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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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.85 min Scan# 1958

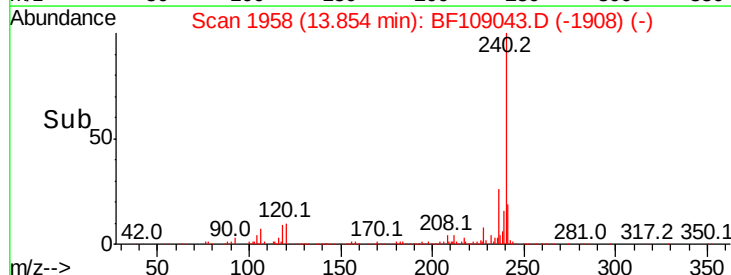
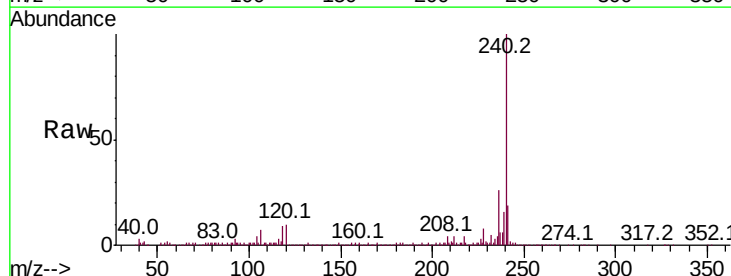
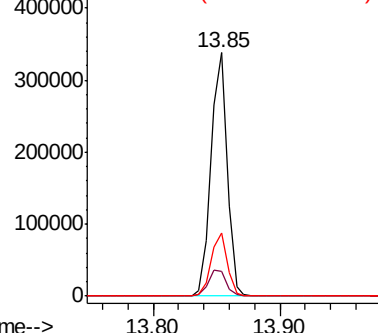
Delta R.T. -0.01 min

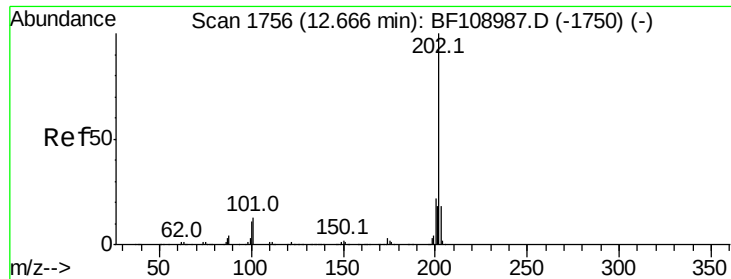
Lab File: BF109043.D

Acq: 17 Sep 2018 12:58

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.3	9.5	14.3
236	25.8	20.7	31.1

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





#77

Pvrene

Concen: 15.187 ng

RT: 12.66 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BF109043.D

Acq: 17 Sep 2018 12:58

Instrument :

BNA_F

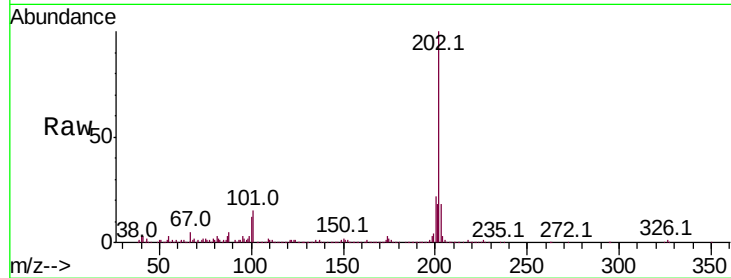
ClientSampleId :

OR-03-091418-A

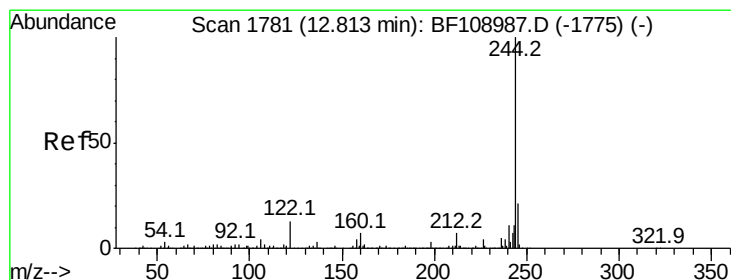
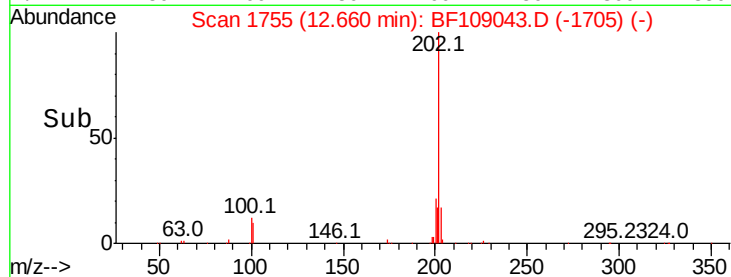
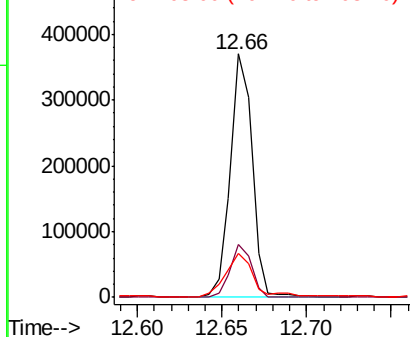
Tot Ion:	202	Resp:	331377
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.4	26.2
203	18.0	14.3	21.5

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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



#78

Terphenyl-d14

Concen: 17.452 ng

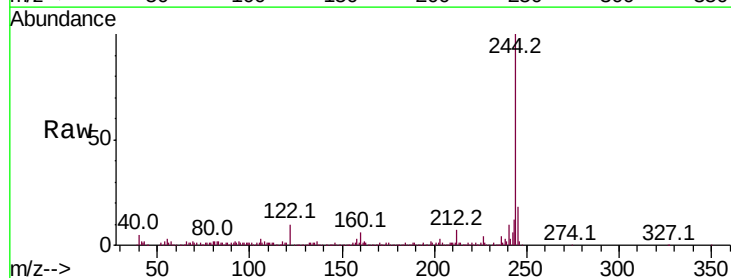
RT: 12.81 min Scan# 1781

Delta R.T. -0.00 min

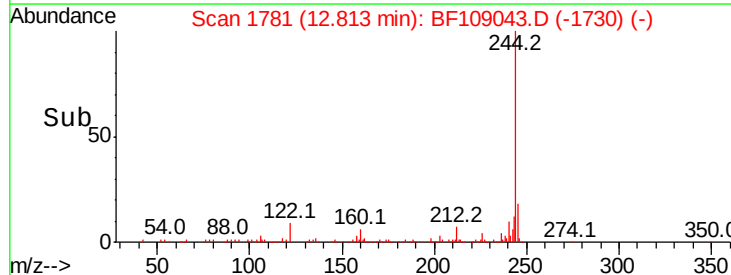
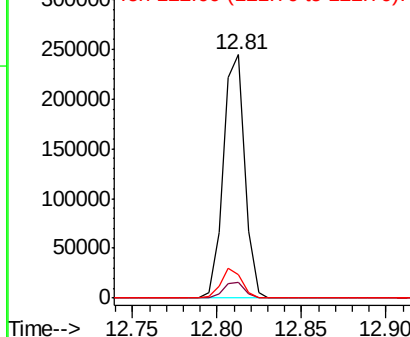
Lab File: BF109043.D

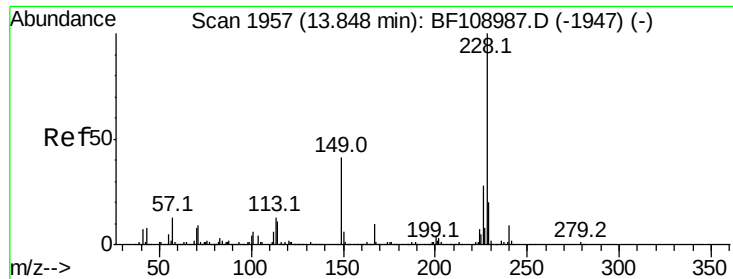
Acq: 17 Sep 2018 12:58

Tgt Ion:	244	Resp:	216288
Ion Ratio	Lower	Upper	
244	100		
212	6.5	5.4	8.0
122	9.8	11.0	16.4#



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





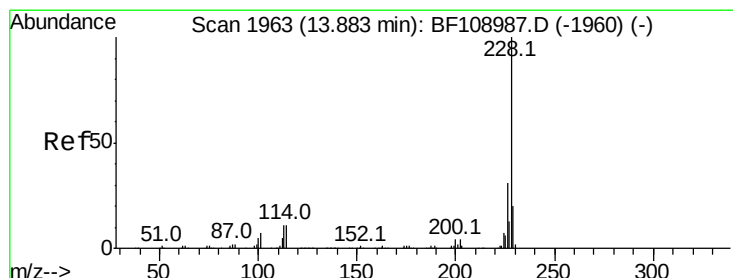
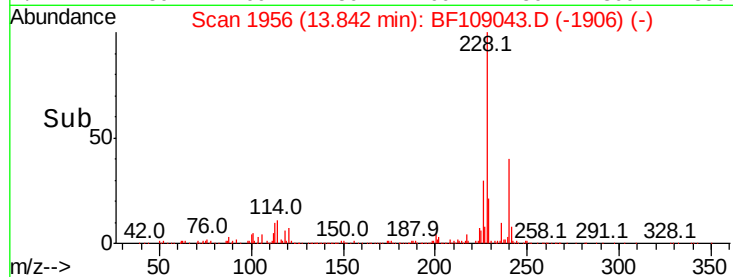
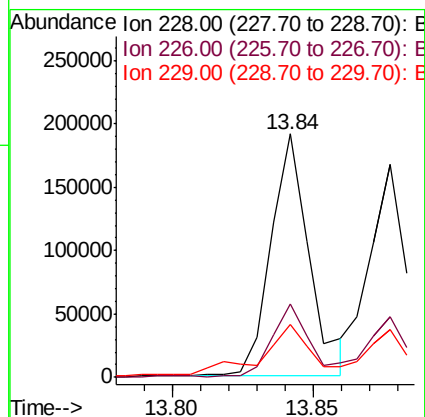
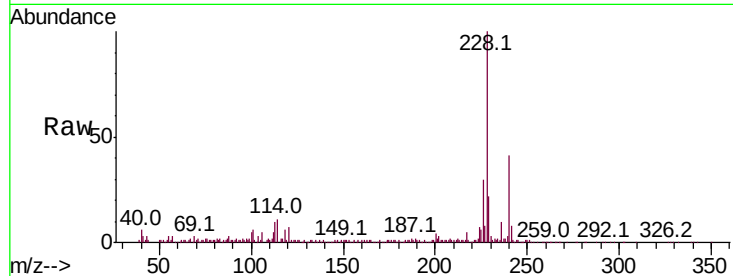
#80
Benzo(a)anthracene
Concen: 10.112 ng
RT: 13.84 min Scan# 1956
Delta R.T. -0.01 min
Lab File: BF109043.D
Acq: 17 Sep 2018 12:58

Instrument :
BNA_F
ClientSampleId :
OR-03-091418-A

Tot Ion:	228	Resp:	179839
Ion Ratio	Lower	Upper	
228	100		
226	30.0	22.6	33.8
229	21.6	15.8	23.6

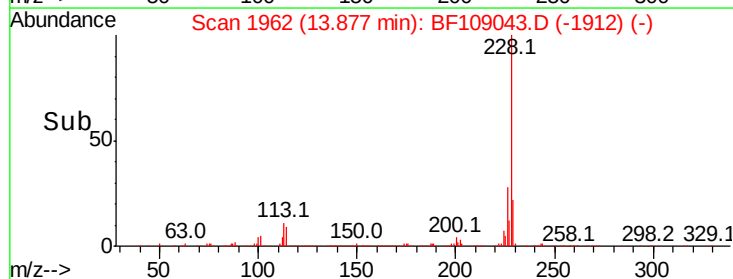
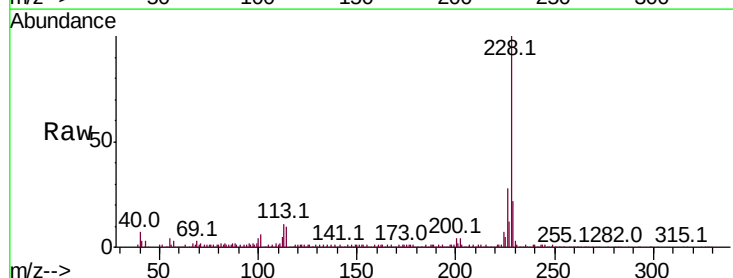
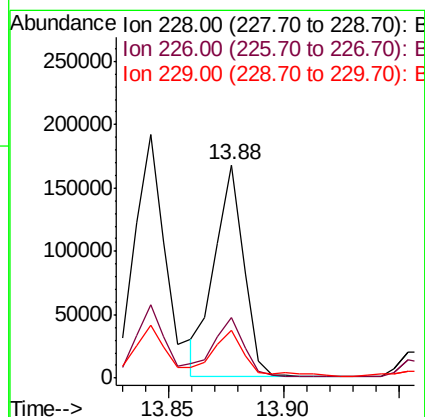
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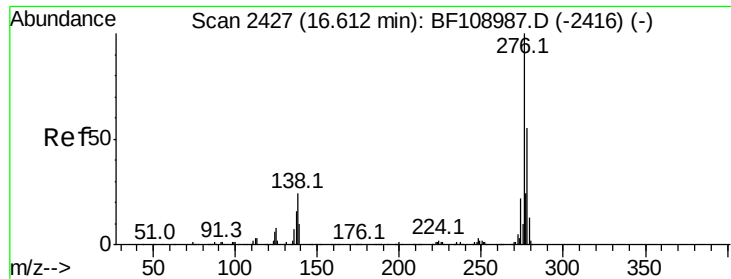
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#82
Chrysene
Concen: 8.289 ng
RT: 13.88 min Scan# 1962
Delta R.T. -0.01 min
Lab File: BF109043.D
Acq: 17 Sep 2018 12:58

Tgt Ion:	228	Resp:	147496
Ion Ratio	Lower	Upper	
228	100		
226	28.4	25.0	37.6
229	22.4	16.2	24.4





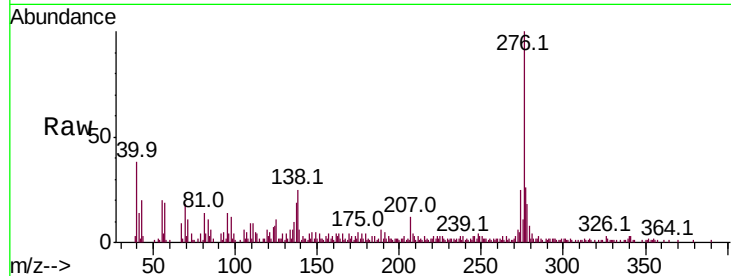
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.014 ng
RT: 16.60 min Scan# 2425
Delta R.T. -0.01 min
Lab File: BF109043.D
Acq: 17 Sep 2018 12:58

Instrument :
BNA_F
ClientSampleId :
OR-03-091418-A

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.1	25.0	37.6
277	24.7	20.1	30.1

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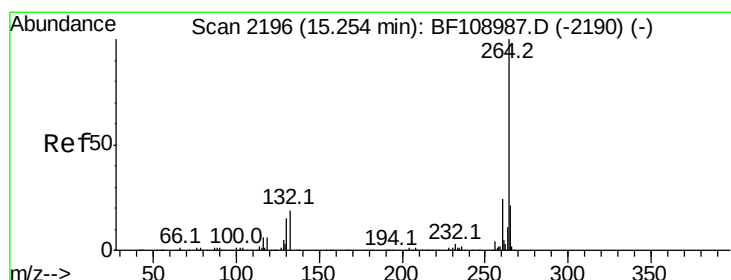
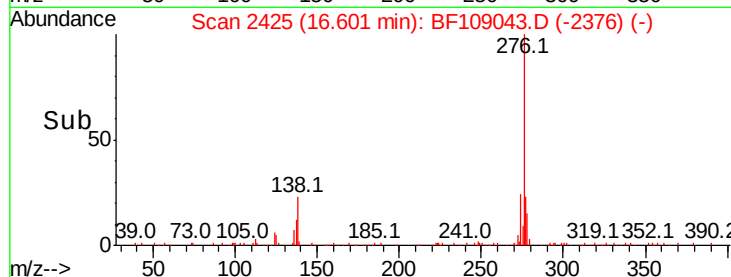
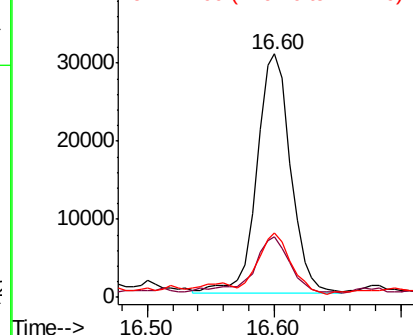


Abundance

Ion 276.00 (275.70 to 276.70): E

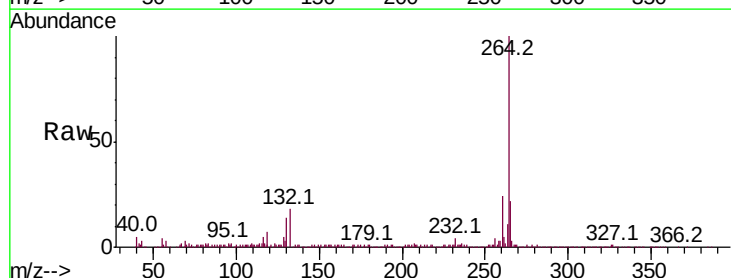
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.25 min Scan# 2196
Delta R.T. -0.00 min
Lab File: BF109043.D
Acq: 17 Sep 2018 12:58

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	22.4	17.5	26.3

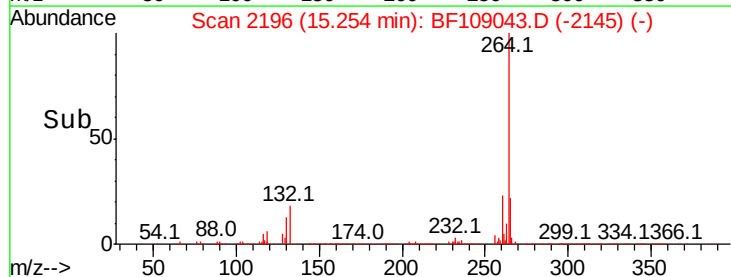
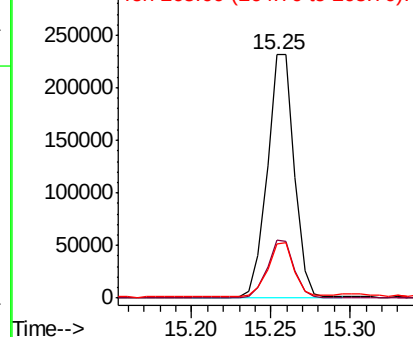


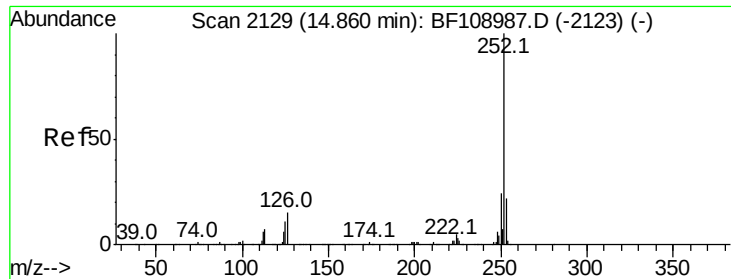
Abundance

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





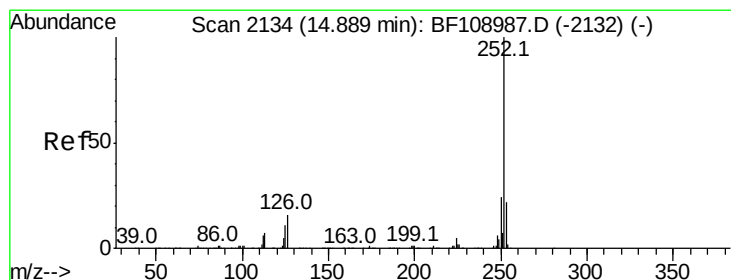
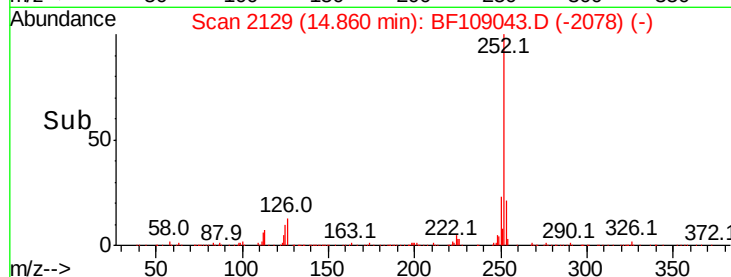
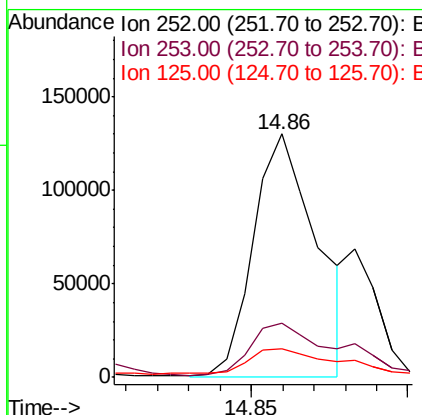
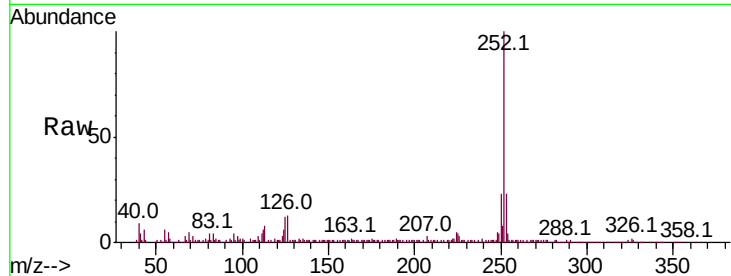
#87
Benzo(b)fluoranthene
Concen: 12.024 ng m
RT: 14.86 min Scan# 2129
Delta R.T. -0.00 min
Lab File: BF109043.D
Acq: 17 Sep 2018 12:58

Instrument :
BNA_F
ClientSampleId :
OR-03-091418-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.6
125	11.7	9.0	13.6

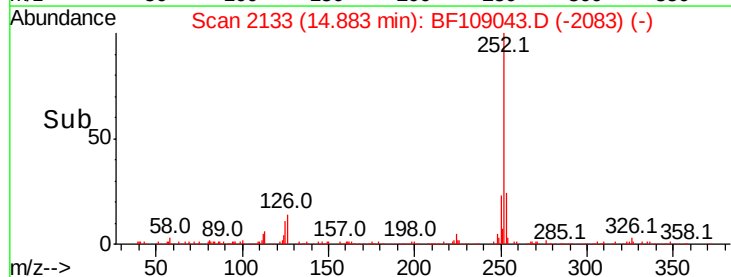
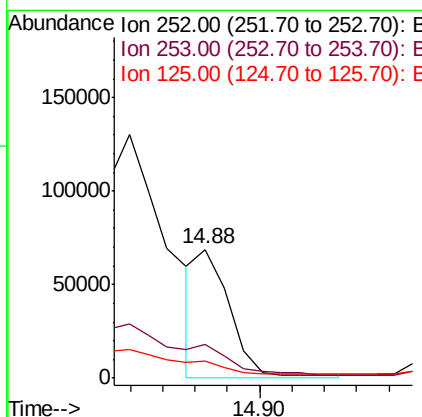
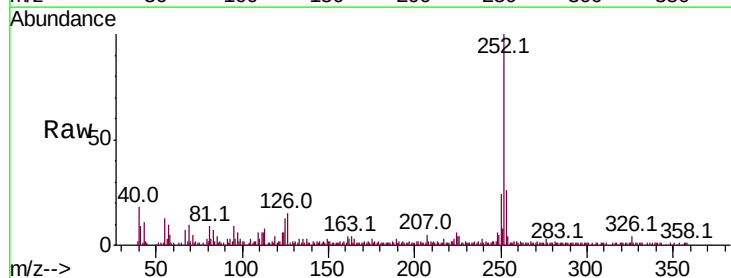
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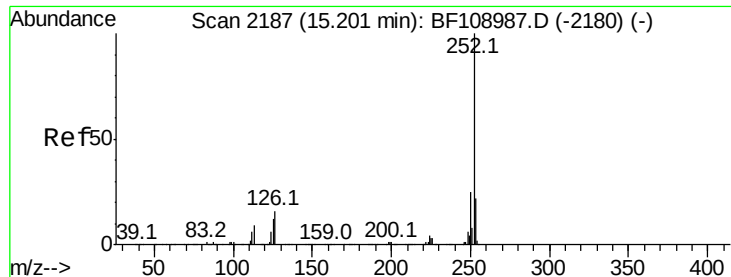
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#88
Benzo(k)fluoranthene
Concen: 3.476 ng m
RT: 14.88 min Scan# 2133
Delta R.T. -0.01 min
Lab File: BF109043.D
Acq: 17 Sep 2018 12:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.9	26.9
125	13.2	10.2	15.2





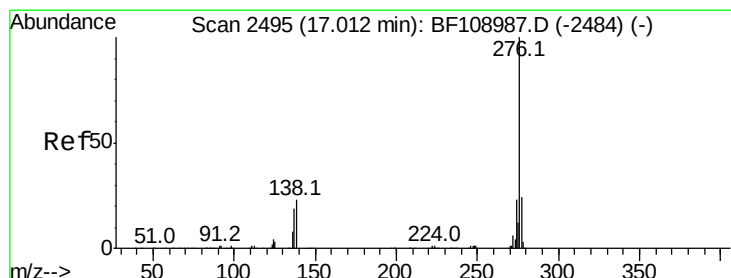
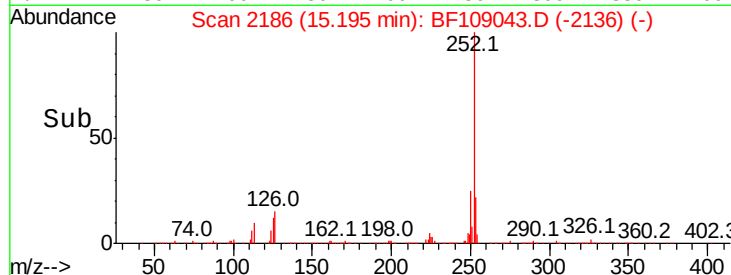
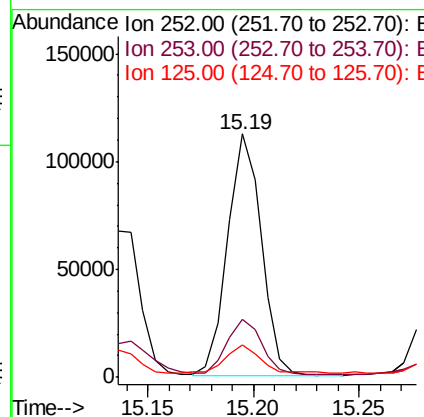
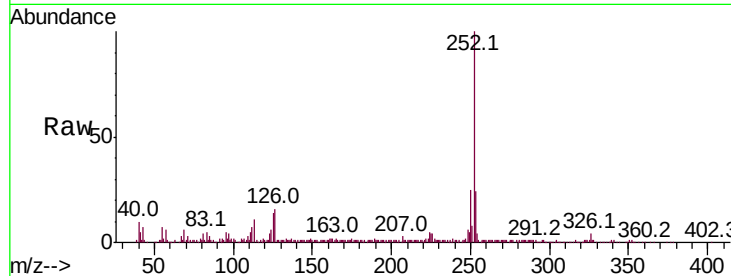
#89
Benzo(a)pyrene
Concen: 9.077 ng
RT: 15.19 min Scan# 2186
Delta R.T. -0.01 min
Lab File: BF109043.D
Acq: 17 Sep 2018 12:58

Instrument :
BNA_F
ClientSampleId :
OR-03-091418-A

Tot Ion:252	Resp:	123392
Ion Ratio	Lower	Upper
252 100		
253 24.0	17.1	25.7
125 13.6	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 4.560 ng
RT: 17.01 min Scan# 2494
Delta R.T. -0.01 min
Lab File: BF109043.D
Acq: 17 Sep 2018 12:58

Tgt Ion:276	Resp:	52061
Ion Ratio	Lower	Upper
276 100		
277 27.5	17.9	26.9#
138 23.4	21.8	32.8

