

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092018\
 Data File : BF109193.D
 Acq On : 20 Sep 2018 20:26
 Operator : JU/SJ
 Sample : J4987-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR200036

Manual Integrations
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Sohil
 9/21/2018 10:37:58 AM

Quant Time: Sep 21 07:45:54 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	89457	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	389778	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	222148	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	319038	20.00	ng	0.00
75) Chrysene-d12	13.85	240	201638	20.00	ng	0.00
86) Perylene-d12	15.26	264	228147	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	426351	79.16	ng	0.01
7) Phenol-d6	6.36	99	554331	79.82	ng	0.00
23) Nitrobenzene-d5	7.28	82	404944	58.27	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	150327	62.35	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	478226	33.73	ng	0.00
78) Terphenyl-d14	12.81	244	411103	48.33	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.47	163	237070	14.931	ng	99
70) Phenanthrene	11.25	178	76321	4.880	ng	99
74) Fluoranthene	12.44	202	403769	24.455	ng	96
77) Pyrene	12.67	202	557808	37.243	ng	99
80) Benzo(a)anthracene	13.84	228	312792	25.622	ng	98
82) Chrysene	13.88	228	352711	28.878	ng	99
85) Indeno(1,2,3-cd)pyrene	16.60	276	90539	9.272	ng	# 92
87) Benzo(b)fluoranthene	14.87	252	325531m	25.792	ng	
88) Benzo(k)fluoranthene	14.89	252	128036m	10.861	ng	
89) Benzo(a)pyrene	15.20	252	165946	14.805	ng	98
90) Dibenzo(a,h)anthracene	16.61	278	24935	2.648	ng	94
91) Benzo(a,h,i)perylene	17.01	276	66404	7.053	ng	94

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

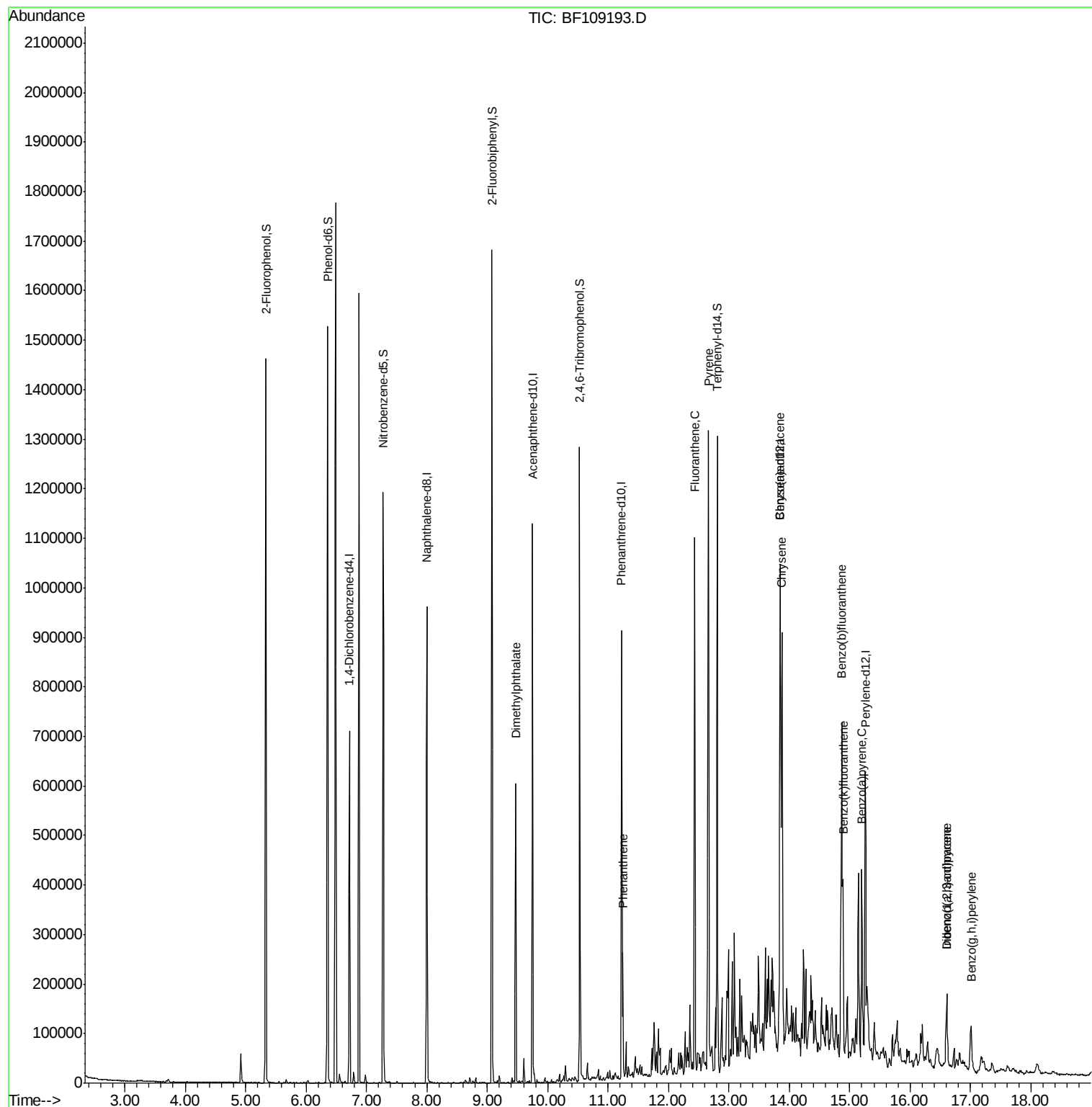
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092018\
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#1

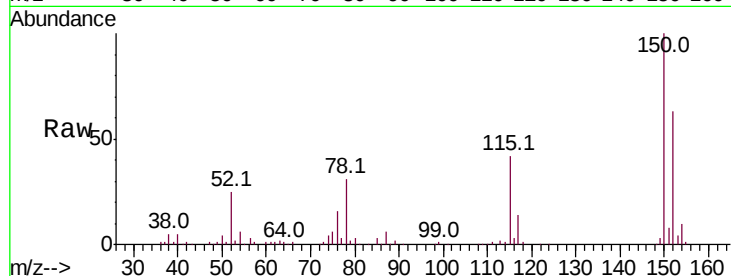
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF109193.D
Acq: 20 Sep 2018 20:26

Instrument :
BNA_F
ClientSampleId :
RBR200036

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	124.6	186.8
115	66.3	50.1	75.1

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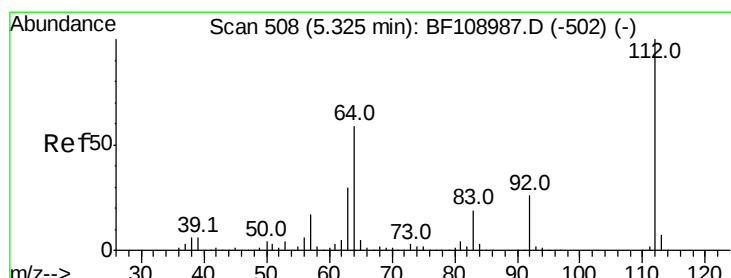
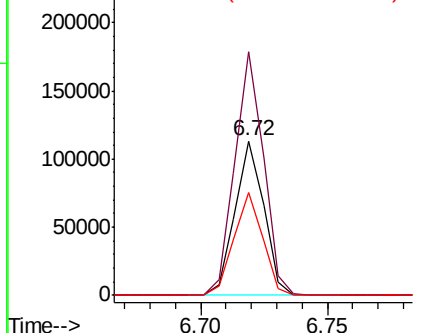
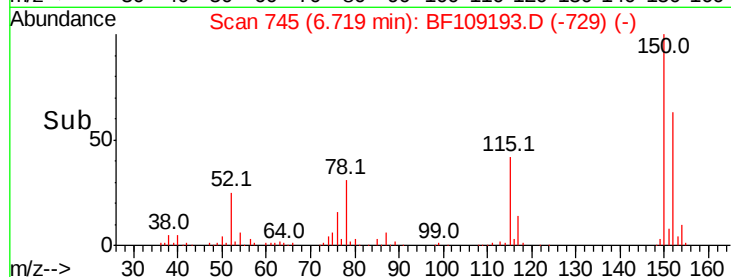


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

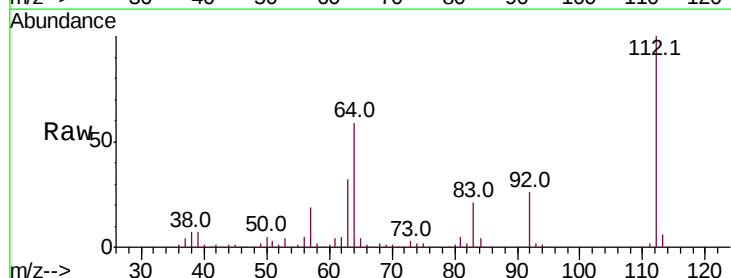
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 79.158 ng
RT: 5.34 min Scan# 510
Delta R.T. 0.01 min
Lab File: BF109193.D
Acq: 20 Sep 2018 20:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.3	47.9	71.9
63	31.6	23.7	35.5

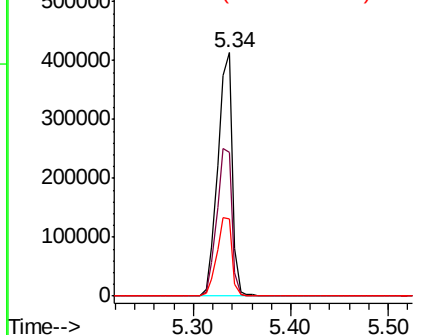
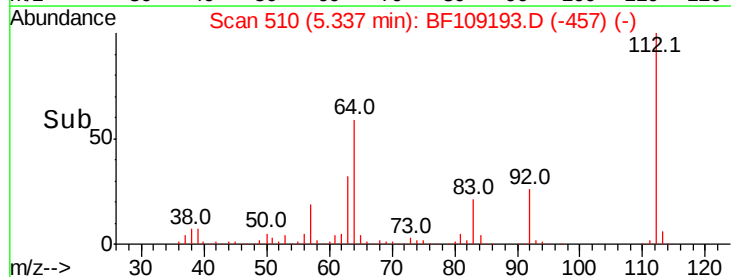


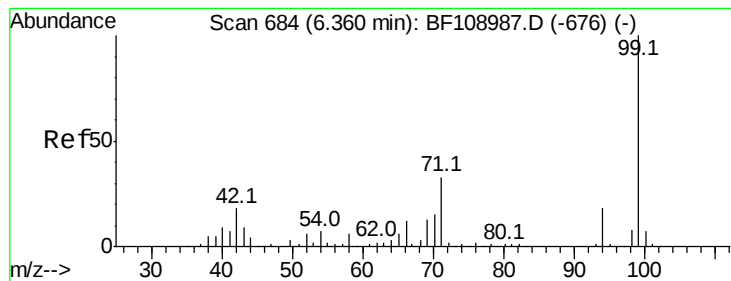
Abundance

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: 79.816 ng

RT: 6.36 min Scan# 684

Delta R.T. -0.00 min

Lab File: BF109193.D

Acq: 20 Sep 2018 20:26

Instrument :

BNA_F

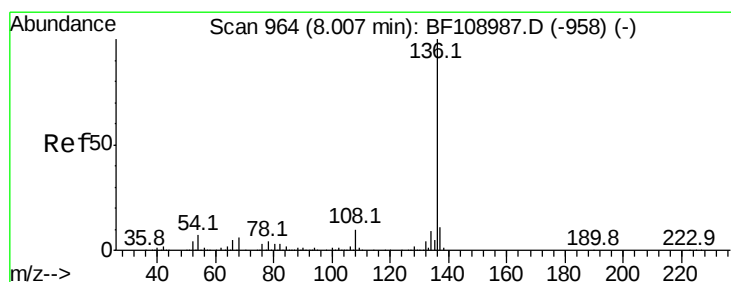
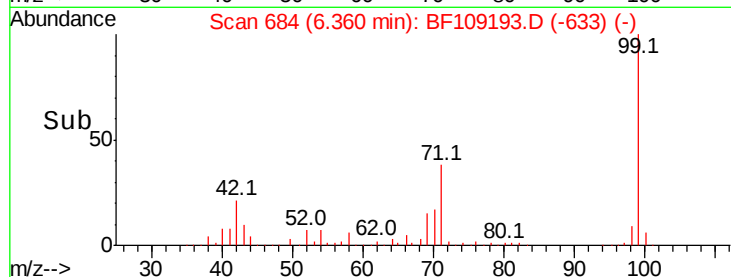
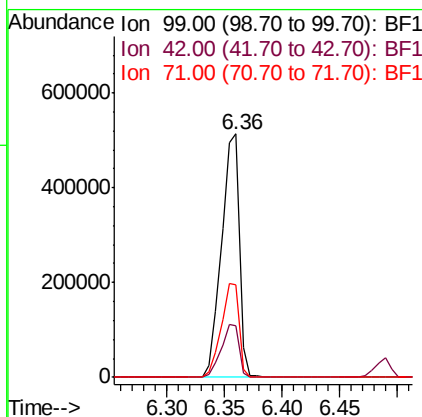
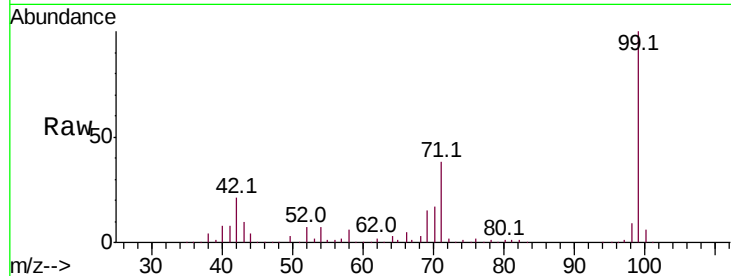
ClientSampleId :

RBR200036

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		554331		
42	21.1	14.5	21.7		
71	37.9	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

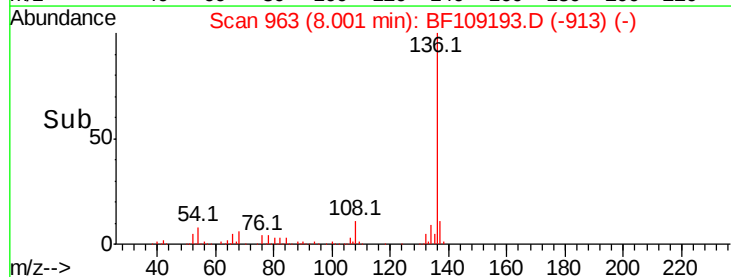
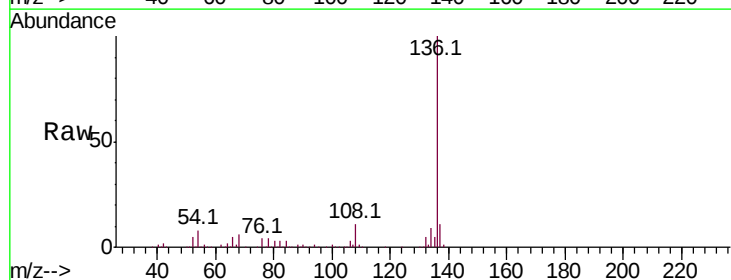
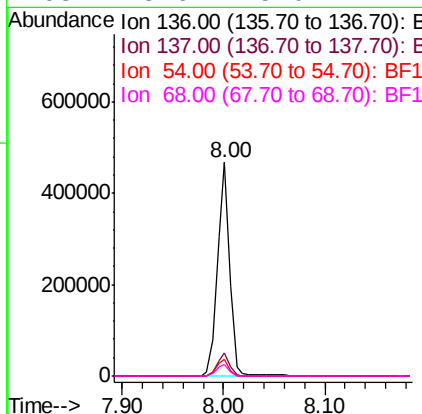
RT: 8.00 min Scan# 963

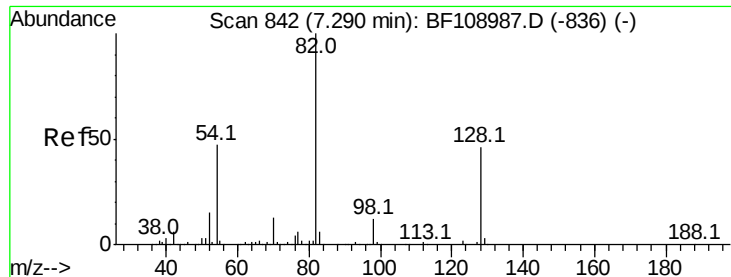
Delta R.T. -0.01 min

Lab File: BF109193.D

Acq: 20 Sep 2018 20:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		389778		
137	11.1	8.9	13.3		
54	7.7	6.6	9.8		
68	5.6	5.0	7.4		





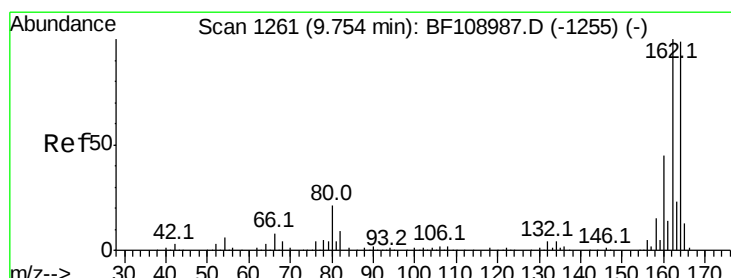
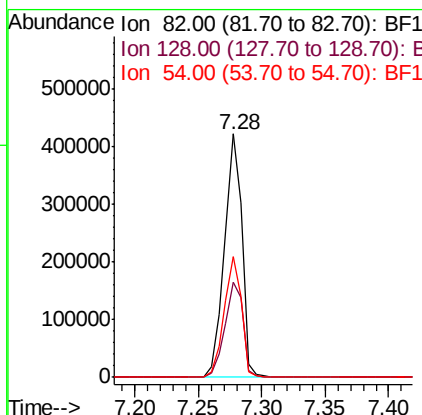
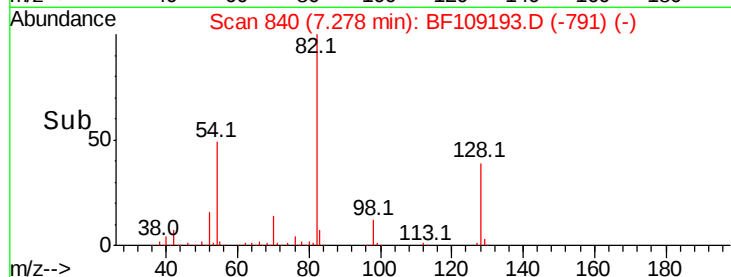
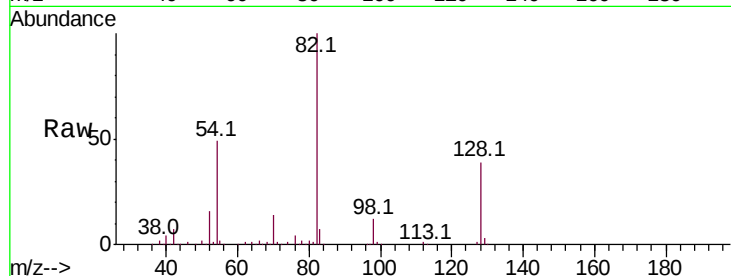
#23
Nitrobenzene-d5
Concen: 58.271 ng
RT: 7.28 min Scan# 840
Delta R.T. -0.01 min
Lab File: BF109193.D
Acq: 20 Sep 2018 20:26

Instrument :
BNA_F
ClientSampleId :
RBR200036

Tot Ion	Ratio	Lower	Upper
82	100		
128	38.9	36.1	54.1
54	49.4	41.4	62.2

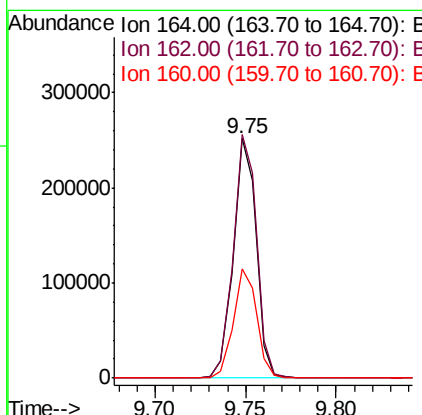
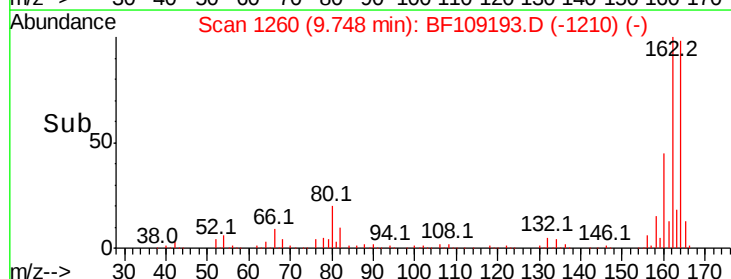
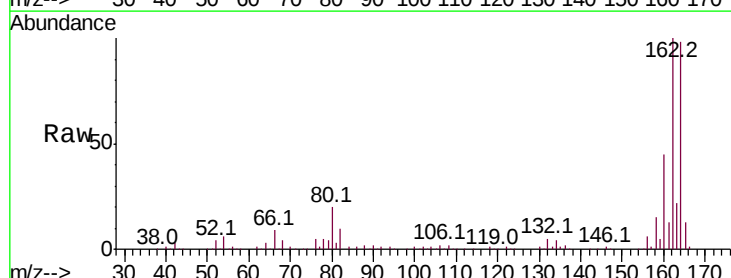
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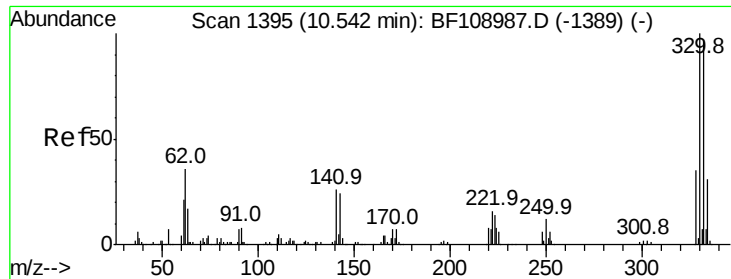
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BF109193.D
Acq: 20 Sep 2018 20:26

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.7	86.1	129.1
160	45.7	38.3	57.5





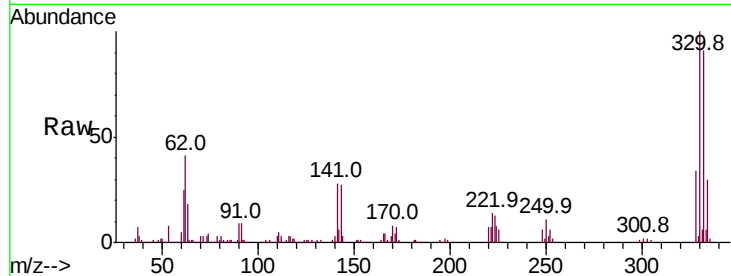
#41
 2,4,6-Tribromophenol
 Concen: 62.353 ng
 RT: 10.54 min Scan# 1394
 Delta R.T. -0.01 min
 Lab File: BF109193.D
 Acq: 20 Sep 2018 20:26

Instrument :
 BNA_F
 ClientSampleId :
 RBR200036

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	94.8	77.0	115.6	
141	36.0	29.9	44.9	

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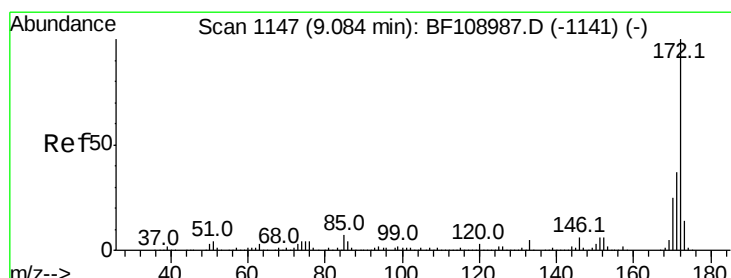
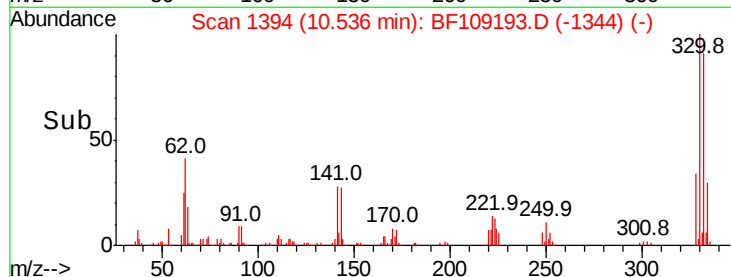
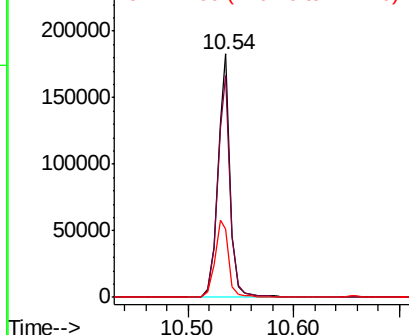


Abundance

Ion 329.80 (329.50 to 330.50): E

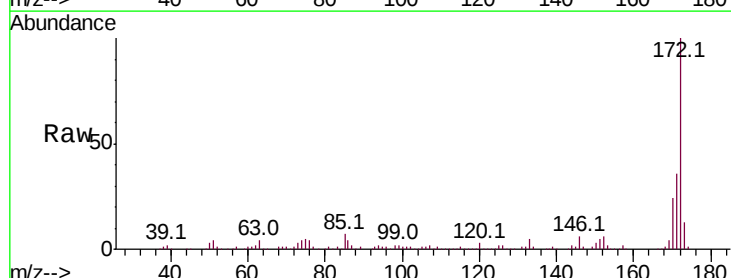
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 33.728 ng
 RT: 9.08 min Scan# 1146
 Delta R.T. -0.01 min
 Lab File: BF109193.D
 Acq: 20 Sep 2018 20:26

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.9	29.7	44.5	
170	24.5	19.6	29.4	

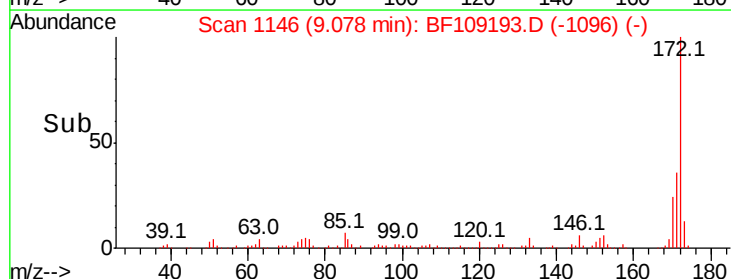
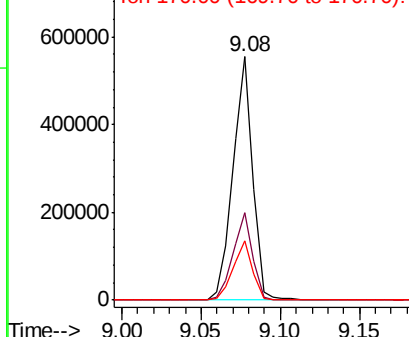


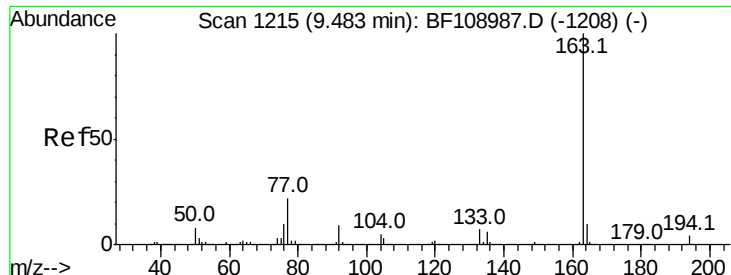
Abundance

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





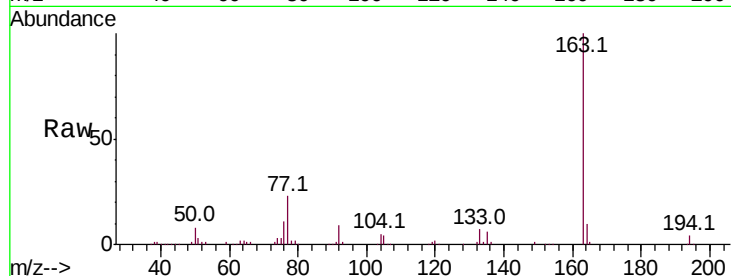
#49
Dimethylphthalate
Concen: 14.931 ng
RT: 9.47 min Scan# 1213
Delta R.T. -0.01 min
Lab File: BF109193.D
Acq: 20 Sep 2018 20:26

Instrument :
BNA_F
ClientSampleId :
RBR200036

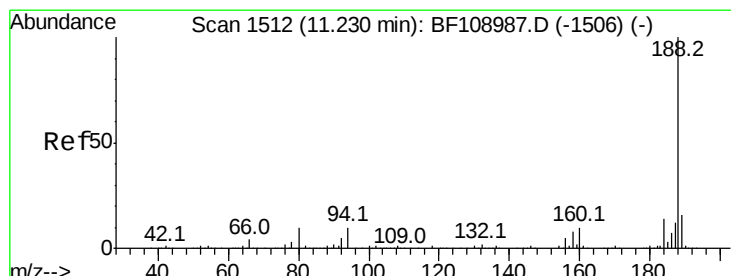
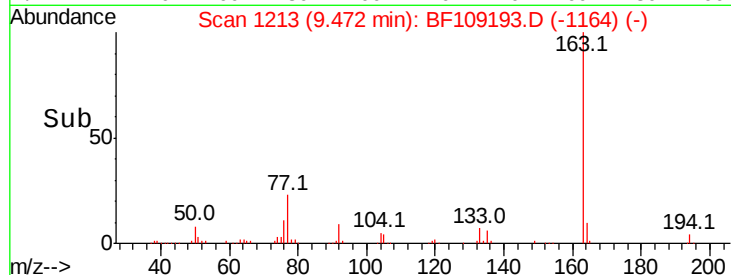
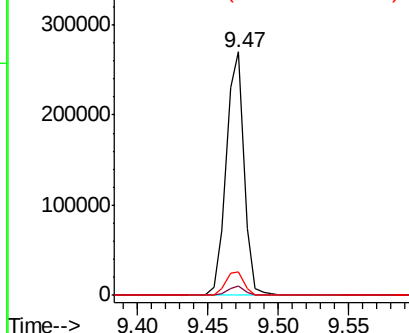
Tot Ion	Ratio	Resp	Lower	Upper
163	100	237070		
194	3.7		2.7	4.1
164	9.9		8.2	12.2

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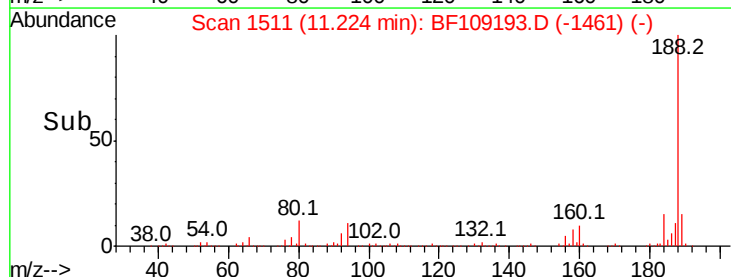
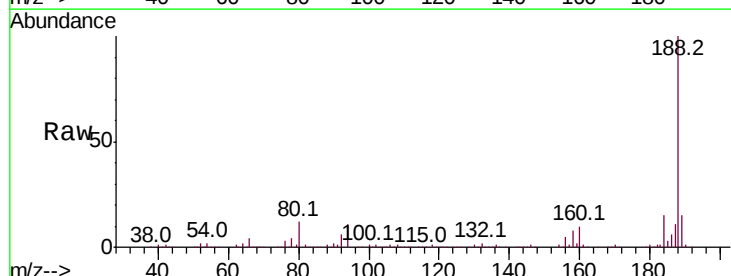
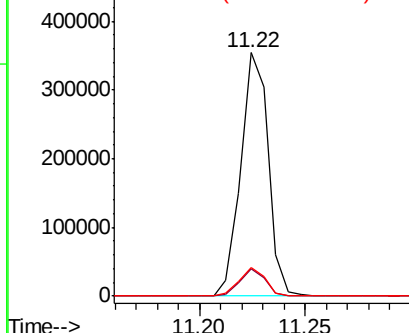
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

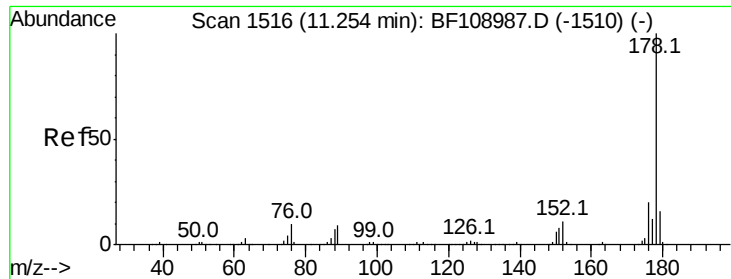


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1511
Delta R.T. -0.01 min
Lab File: BF109193.D
Acq: 20 Sep 2018 20:26

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	319038		
94	11.0		8.5	12.7
80	11.8		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





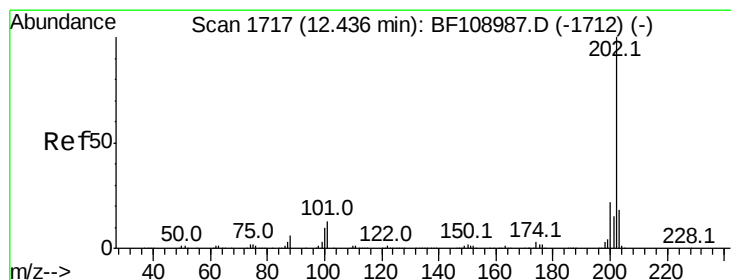
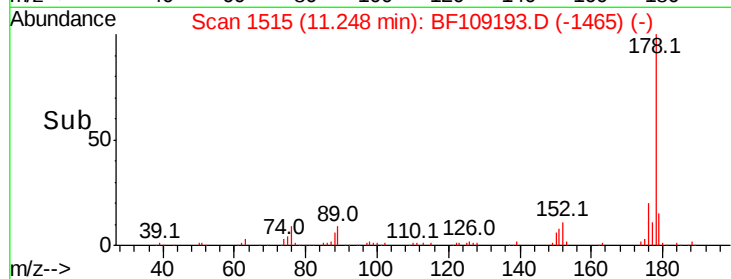
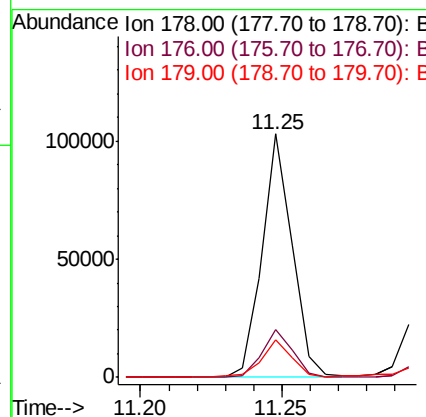
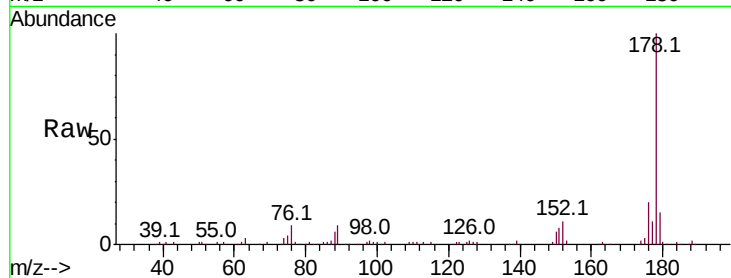
#70
Phenanthrene
Concen: 4.880 ng
RT: 11.25 min Scan# 1515
Delta R.T. -0.01 min
Lab File: BF109193.D
Acq: 20 Sep 2018 20:26

Instrument :
BNA_F
ClientSampled :
RBR200036

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	15.5	13.0	19.6

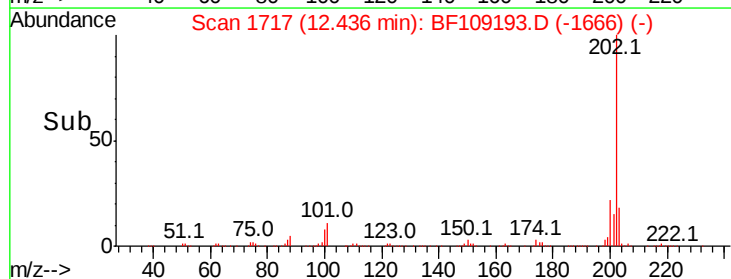
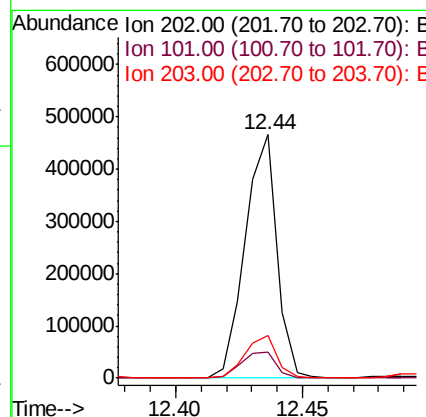
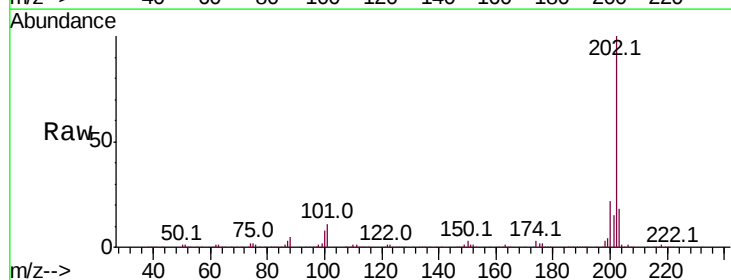
Manual Integrations
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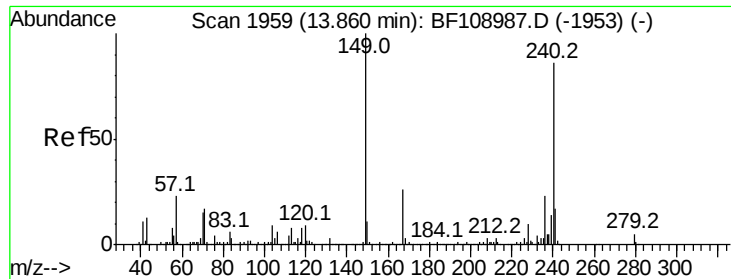
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#74
Fluoranthene
Concen: 24.455 ng
RT: 12.44 min Scan# 1717
Delta R.T. -0.00 min
Lab File: BF109193.D
Acq: 20 Sep 2018 20:26

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	34.1
203	17.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.85 min Scan# 1958

Delta R.T. -0.01 min

Lab File: BF109193.D

Acq: 20 Sep 2018 20:26

Instrument :

BNA_F

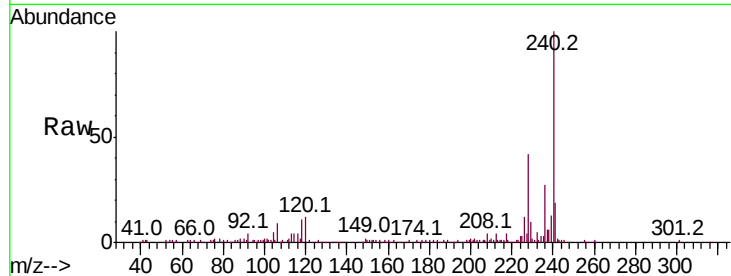
ClientSampled :

RBR200036

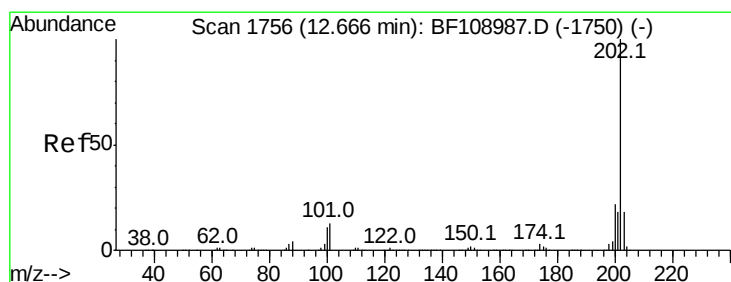
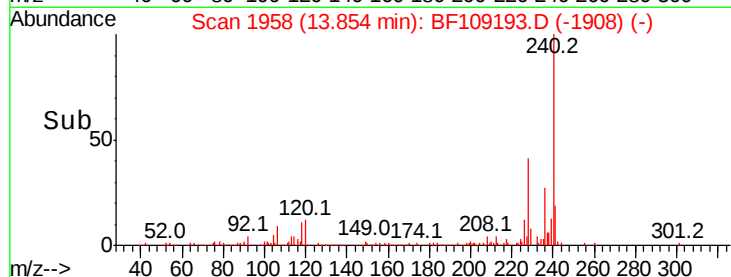
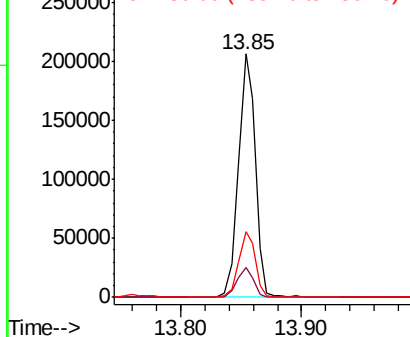
Tot Ion:	240	Resp:	201638
Ion Ratio	Lower	Upper	
240	100		
120	12.4	9.5	14.3
236	27.2	20.7	31.1

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



#77

Pyrene

Concen: 37.243 ng

RT: 12.67 min Scan# 1756

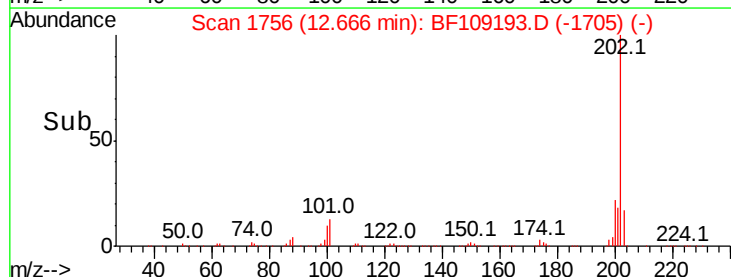
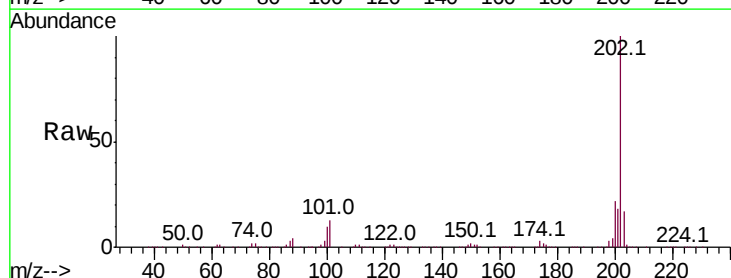
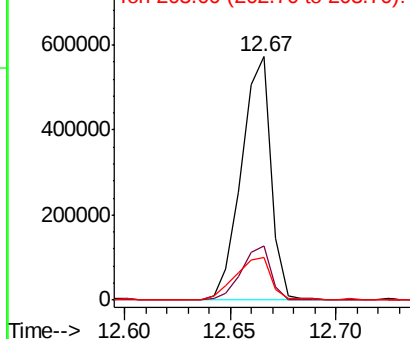
Delta R.T. -0.00 min

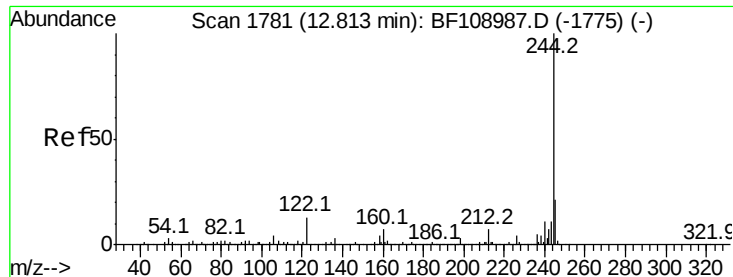
Lab File: BF109193.D

Acq: 20 Sep 2018 20:26

Tgt Ion:	202	Resp:	557808
Ion Ratio	Lower	Upper	
202	100		
200	22.1	17.4	26.2
203	17.5	14.3	21.5

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





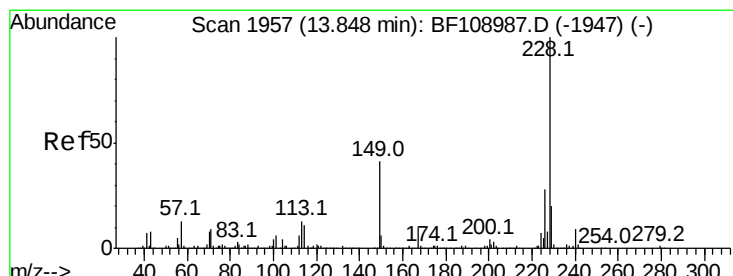
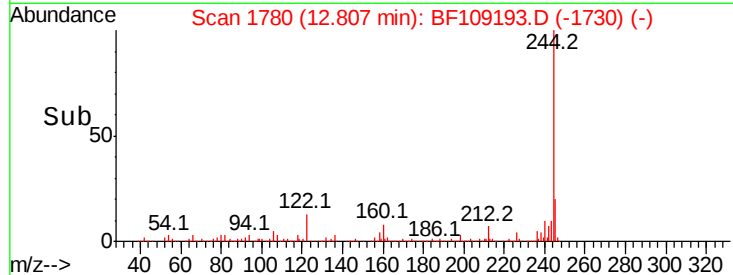
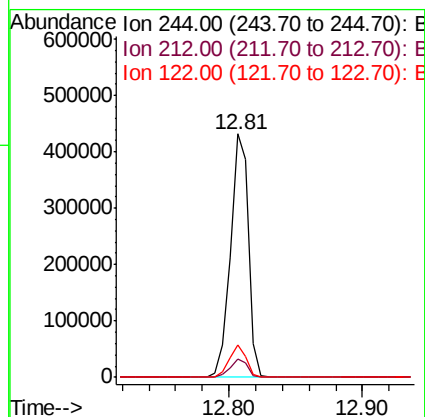
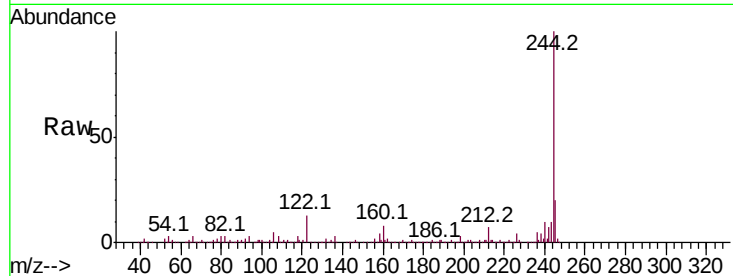
#78
 Terphenyl-d14
 Concen: 48.325 ng
 RT: 12.81 min Scan# 1780
 Delta R.T. -0.01 min
 Lab File: BF109193.D
 Acq: 20 Sep 2018 20:26

Instrument :
 BNA_F
 ClientSampleId :
 RBR200036

Tot Ion:244	Resp:	411103
Ion Ratio	Lower	Upper
244 100		
212 7.5	5.4	8.0
122 13.1	11.0	16.4

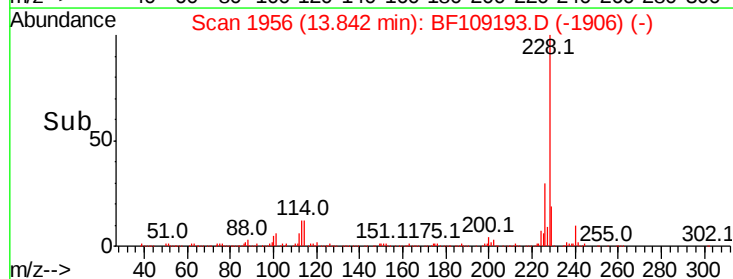
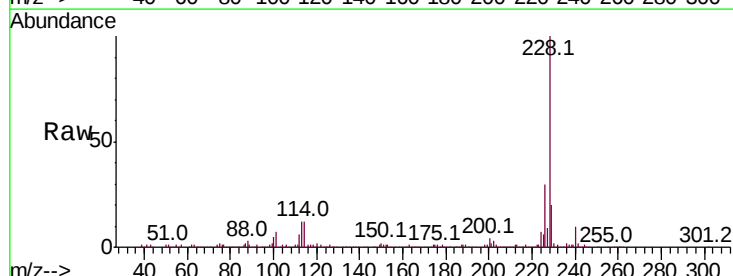
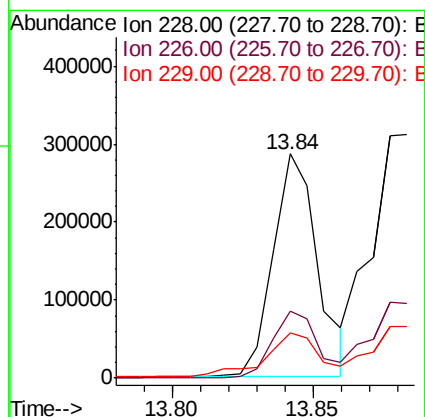
Manual Integrations
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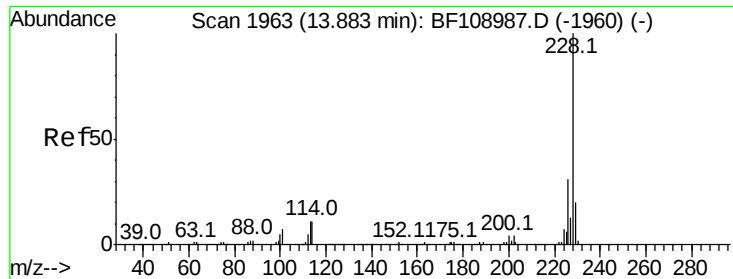
Sohil
 9/21/2018 10:37:58 AM



#80
 Benzo(a)anthracene
 Concen: 25.622 ng
 RT: 13.84 min Scan# 1956
 Delta R.T. -0.01 min
 Lab File: BF109193.D
 Acq: 20 Sep 2018 20:26

Tgt Ion:228	Resp:	312792
Ion Ratio	Lower	Upper
228 100		
226 30.0	22.6	33.8
229 19.9	15.8	23.6





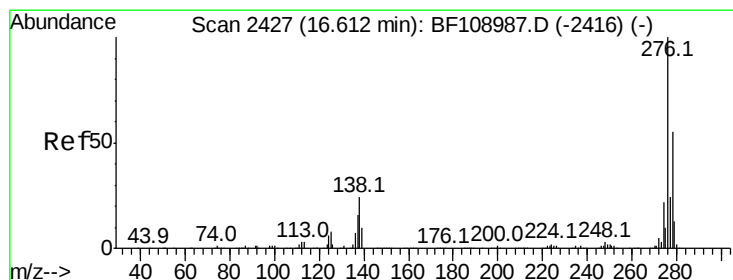
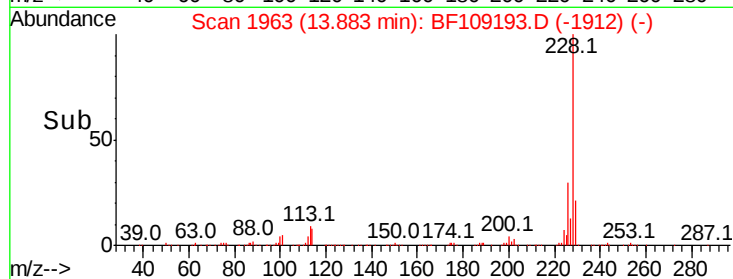
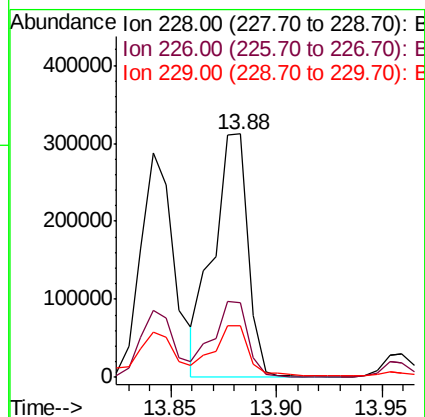
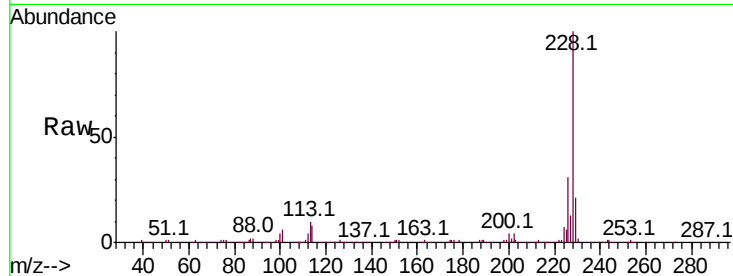
#82
Chrysene
Concen: 28.878 ng
RT: 13.88 min Scan# 1963
Delta R.T. -0.00 min
Lab File: BF109193.D
Acq: 20 Sep 2018 20:26

Instrument :
BNA_F
ClientSampleId :
RBR200036

Tot Ion:228	Resp:	352711
Ion Ratio	Lower	Upper
228 100		
226 30.8	25.0	37.6
229 21.2	16.2	24.4

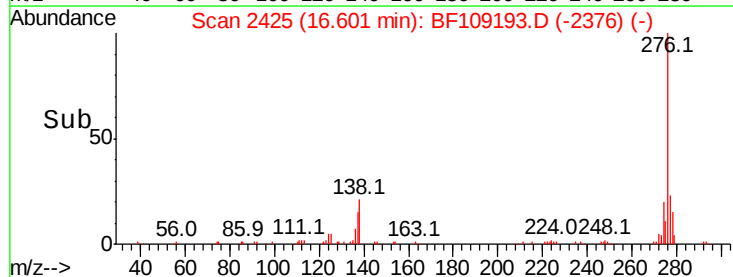
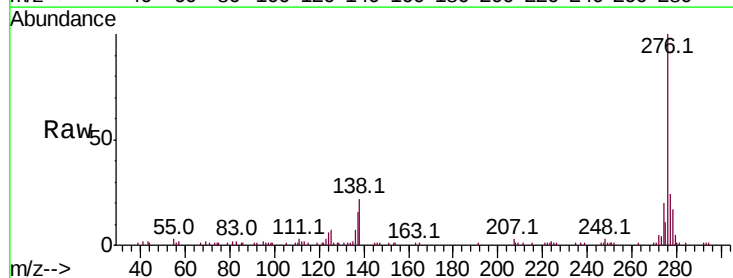
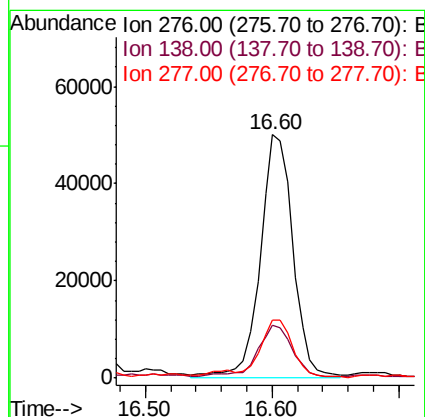
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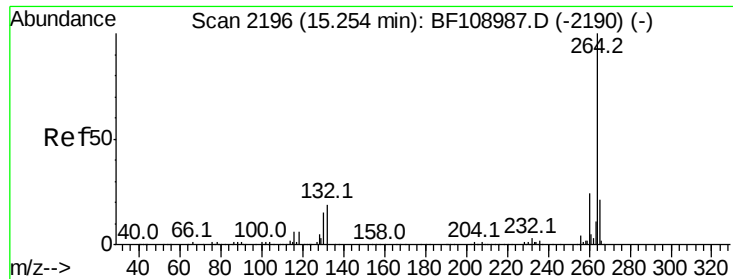
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 9.272 ng
RT: 16.60 min Scan# 2425
Delta R.T. -0.01 min
Lab File: BF109193.D
Acq: 20 Sep 2018 20:26

Tgt Ion:276	Resp:	90539
Ion Ratio	Lower	Upper
276 100		
138 24.4	25.0	37.6#
277 23.9	20.1	30.1





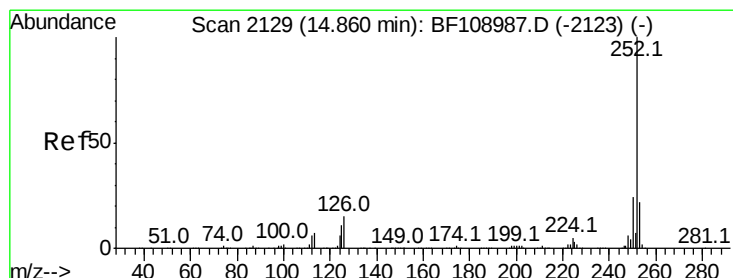
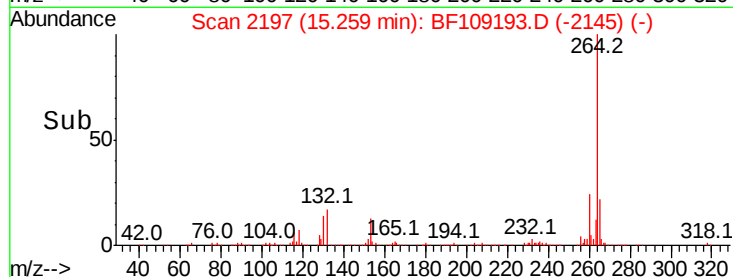
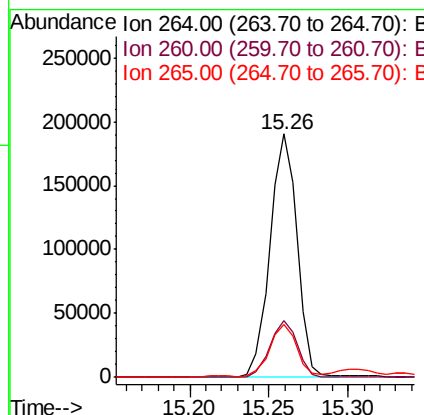
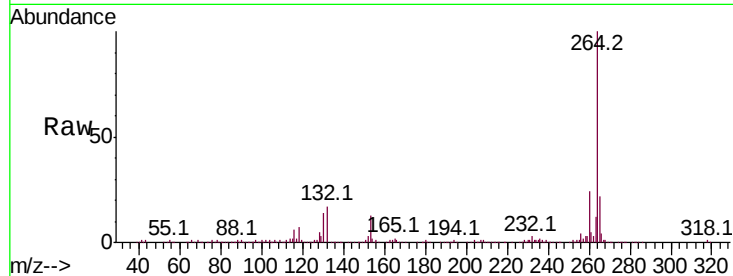
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.26 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF109193.D
Acq: 20 Sep 2018 20:26

Instrument :
BNA_F
ClientSampleId :
RBR200036

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.6	17.5	26.3

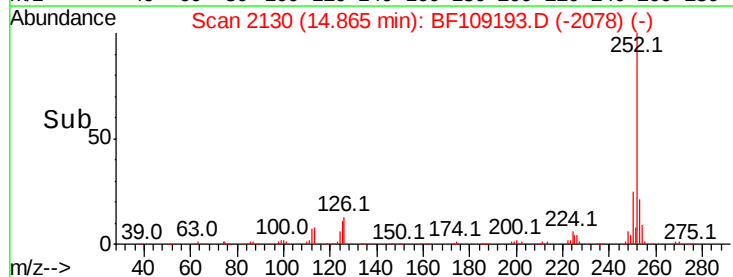
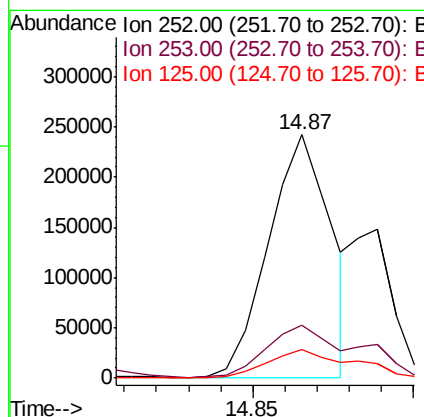
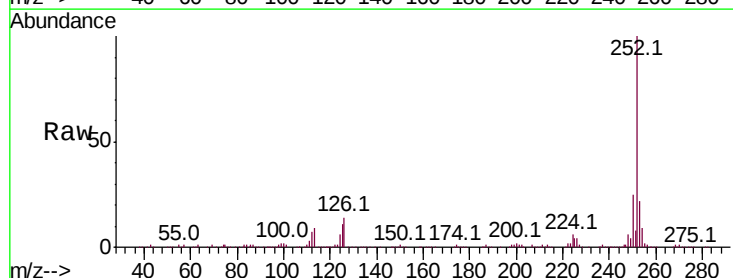
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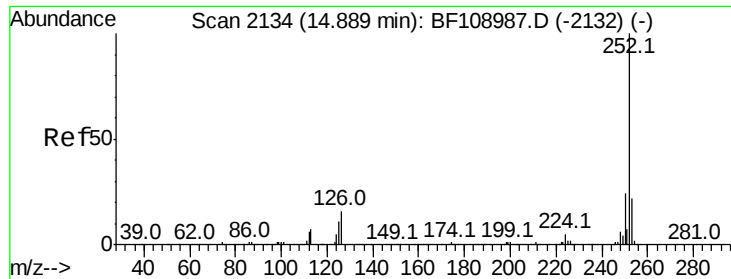
Sohil
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#87
Benzo(b)fluoranthene
Concen: 25.792 ng m
RT: 14.87 min Scan# 2130
Delta R.T. 0.01 min
Lab File: BF109193.D
Acq: 20 Sep 2018 20:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.0	25.6
125	11.5	9.0	13.6





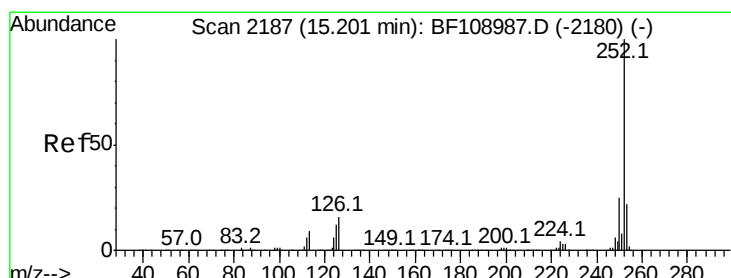
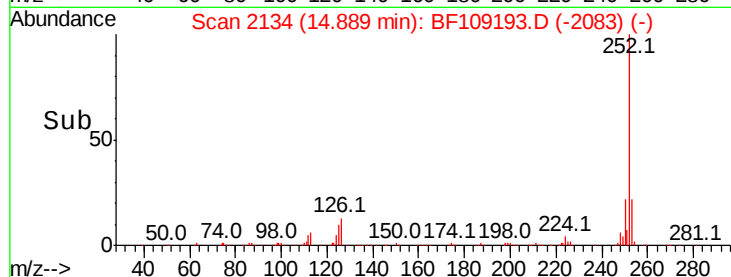
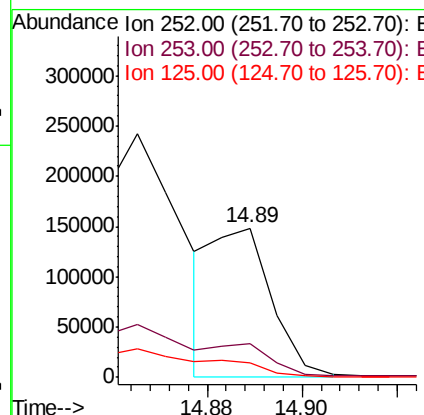
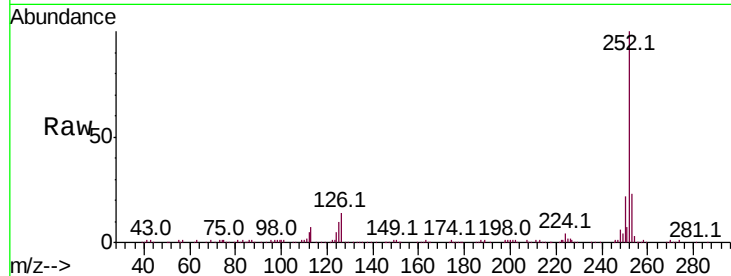
#88
Benzo(k)fluoranthene
Concen: 10.861 ng m
RT: 14.89 min Scan# 2134
Delta R.T. -0.00 min
Lab File: BF109193.D
Acq: 20 Sep 2018 20:26

Instrument :
BNA_F
ClientSampleId :
RBR200036

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	9.9	10.2	15.2#

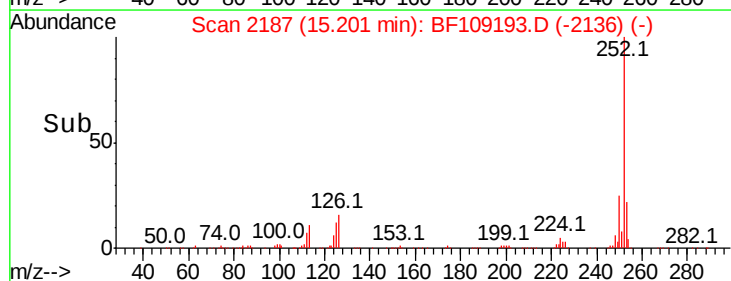
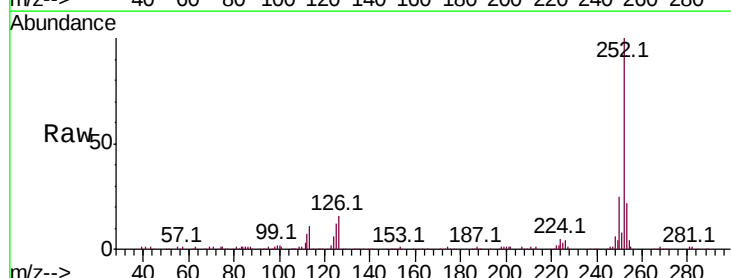
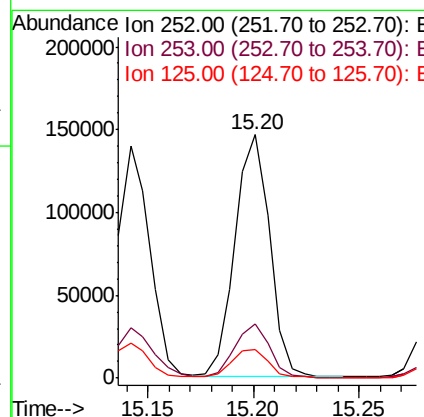
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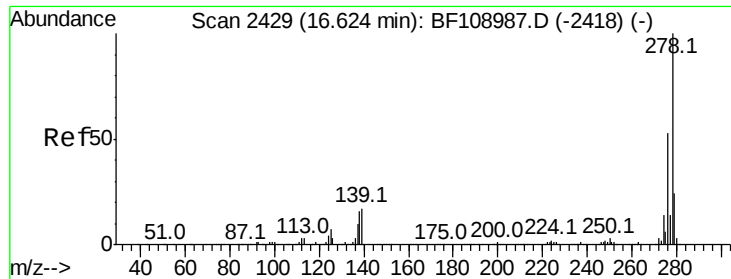
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#89
Benzo(a)pyrene
Concen: 14.805 ng
RT: 15.20 min Scan# 2187
Delta R.T. -0.00 min
Lab File: BF109193.D
Acq: 20 Sep 2018 20:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	11.6	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 2.648 ng

RT: 16.61 min Scan# 2427

Delta R.T. -0.01 min

Lab File: BF109193.D

Acq: 20 Sep 2018 20:26

Instrument :

BNA_F

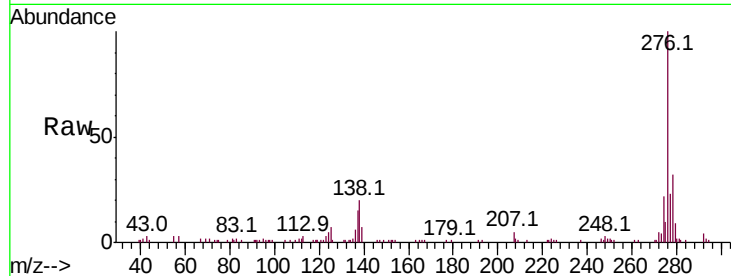
ClientSampleId :

RBR200036

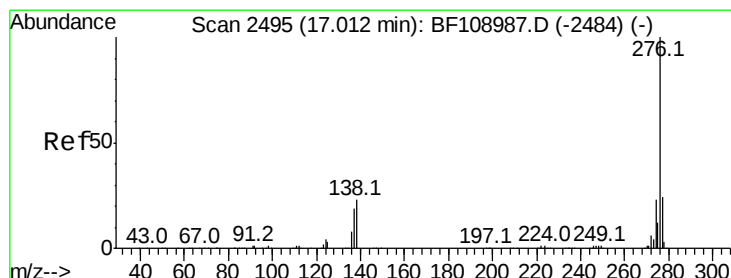
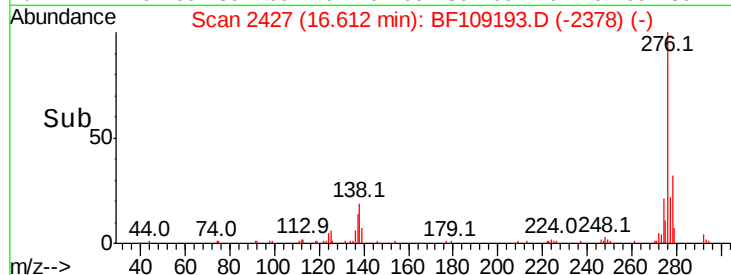
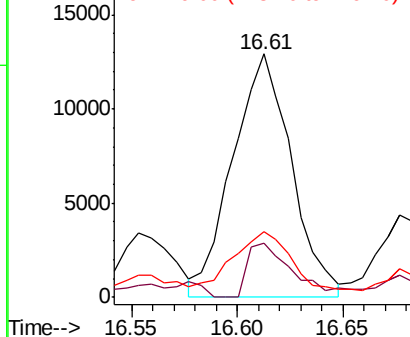
Tot Ion:	278	Resp:	24935
Ion Ratio	Lower	Upper	
278	100		
139	22.3	15.9	23.9
279	26.8	19.0	28.4

Manual Integrations
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Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 7.053 ng

RT: 17.01 min Scan# 2495

Delta R.T. -0.00 min

Lab File: BF109193.D

Acq: 20 Sep 2018 20:26

Tgt Ion:	276	Resp:	66404
Ion Ratio	Lower	Upper	
276	100		
277	24.7	17.9	26.9
138	24.0	21.8	32.8

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

