

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091818\
 Data File : BF109105.D
 Acq On : 18 Sep 2018 19:35
 Operator : JU/SJ
 Sample : J4951-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampled :
 RB48380RT

Manual Integrations
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 9/19/2018 4:23:45 PM

Quant Time: Sep 19 05:04:36 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	122357	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	419524	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	168339	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	295345	20.00	ng	0.00
75) Chrysene-d12	13.86	240	330605	20.00	ng	0.00
86) Perylene-d12	15.27	264	326940	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	242703	32.94	ng	0.00
7) Phenol-d6	6.35	99	291706	30.71	ng	0.00
23) Nitrobenzene-d5	7.28	82	177317	23.71	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	59930	32.80	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	312108	29.05	ng	0.00
78) Terphenyl-d14	12.81	244	303795	21.78	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.47	163	49627	4.125	ng	99
57) Fluorene	10.30	166	20706	2.123	ng	93
70) Phenanthrene	11.25	178	406197	28.057	ng	100
71) Anthracene	11.31	178	110166	7.506	ng	98
72) Carbazole	11.46	167	29874	2.056	ng	86
74) Fluoranthene	12.44	202	866677	56.704	ng	98
77) Pyrene	12.67	202	792684	32.279	ng	99
80) Benzo(a)anthracene	13.85	228	477729	23.867	ng	97
82) Chrysene	13.89	228	437193	21.831	ng	98
85) Indeno(1,2,3-cd)pyrene	16.62	276	198437m	12.394	ng	
87) Benzo(b)fluoranthene	14.87	252	559628m	30.941	ng	
88) Benzo(k)fluoranthene	14.89	252	211602m	12.526	ng	
89) Benzo(a)pyrene	15.21	252	376371	23.432	ng	98
90) Dibenzo(a,h)anthracene	16.62	278	50365	3.732	ng	92
91) Benzo(a,h,i)perylene	17.02	276	180016	13.343	ng	91

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

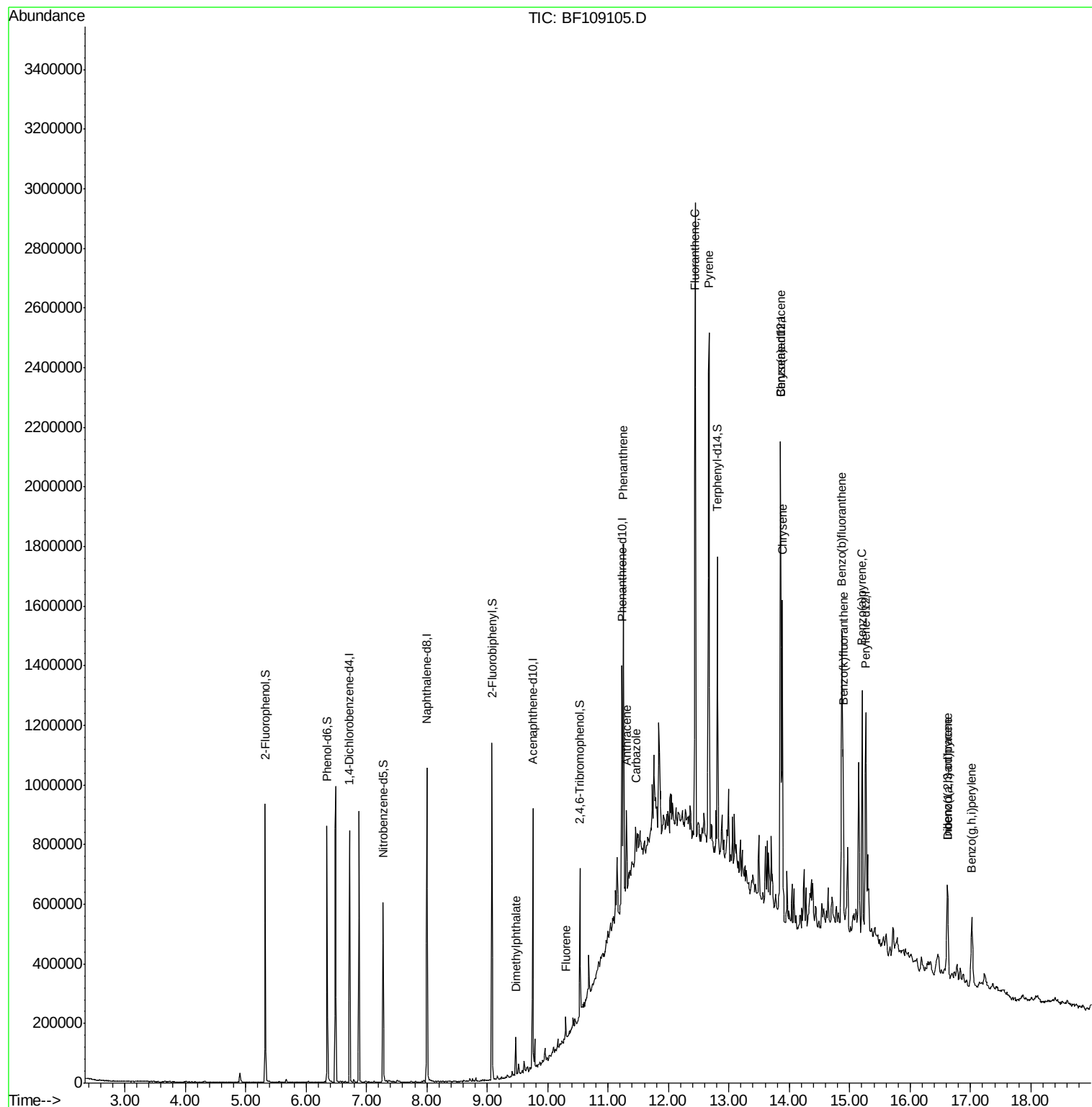
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091818\
Data File : BF109105.D
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Sample : J4951-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

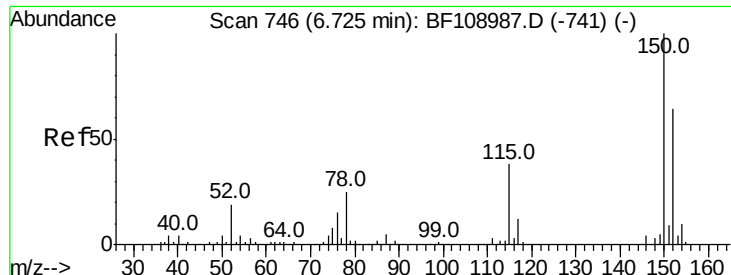
Instrument :
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RB48380RT

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
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#1

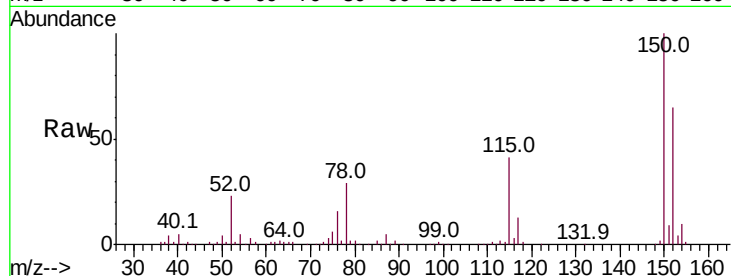
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF109105.D
Acq: 18 Sep 2018 19:35

Instrument :
BNA_F
ClientSampled :
RB48380RT

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	124.6	186.8
115	62.8	50.1	75.1

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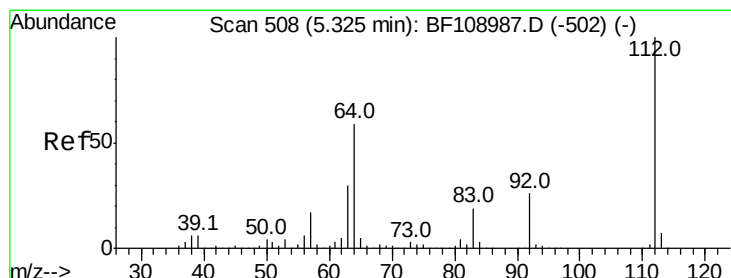
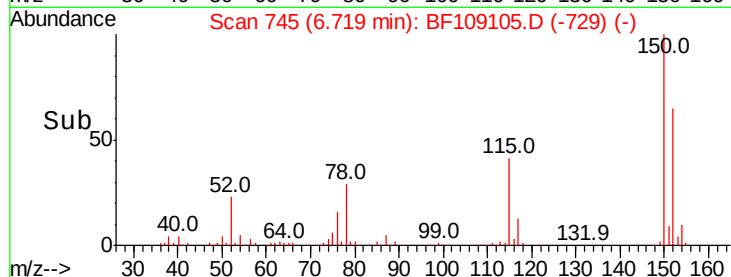
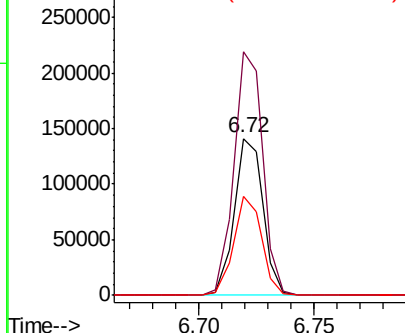


Abundance

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: 32.945 ng
RT: 5.32 min Scan# 508
Delta R.T. 0.00 min
Lab File: BF109105.D
Acq: 18 Sep 2018 19:35

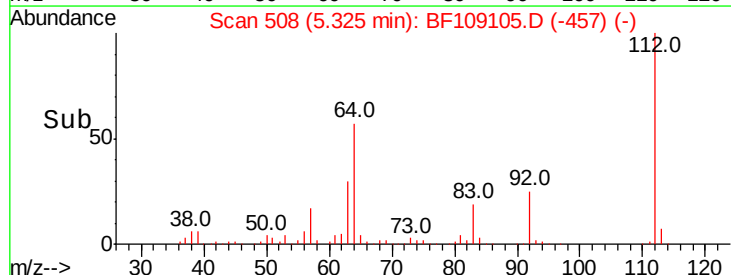
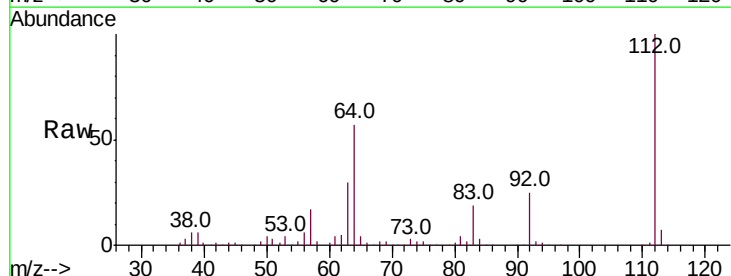
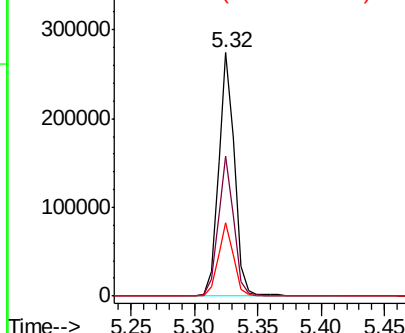
Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.5	47.9	71.9
63	30.1	23.7	35.5

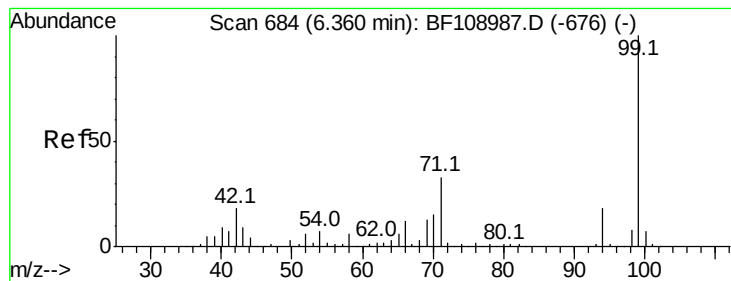
Abundance

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: 30.708 ng

RT: 6.35 min Scan# 683

Delta R.T. -0.01 min

Lab File: BF109105.D

Acq: 18 Sep 2018 19:35

Instrument :

BNA_F

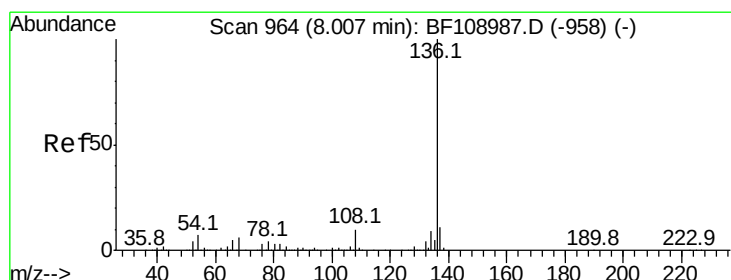
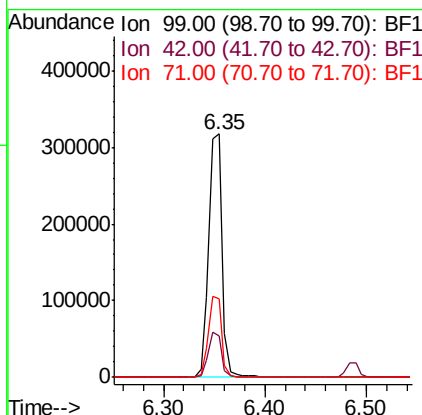
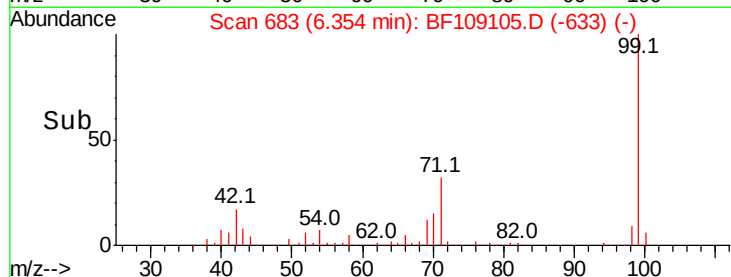
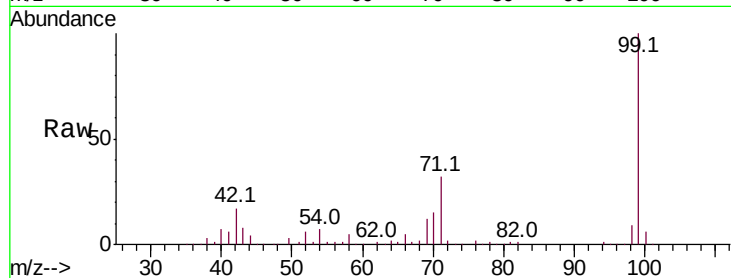
ClientSampleId :

RB48380RT

Tot Ion	Ratio	Resp	Lower	Upper
99	100	291706		
42	16.9		14.5	21.7
71	32.5		25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

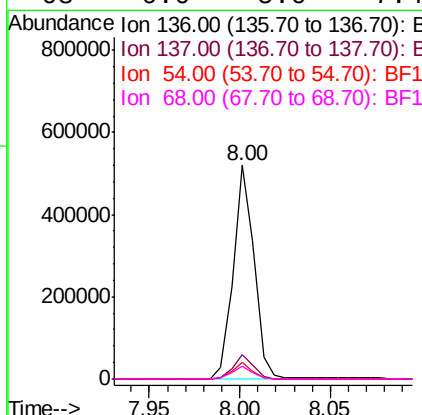
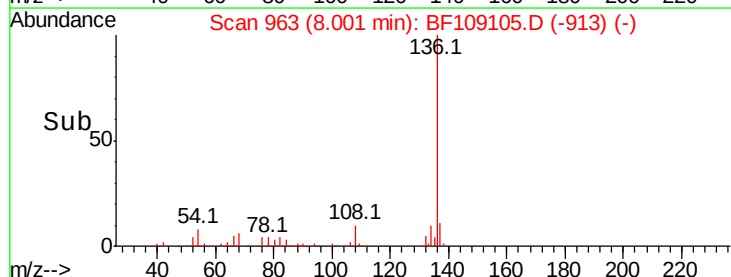
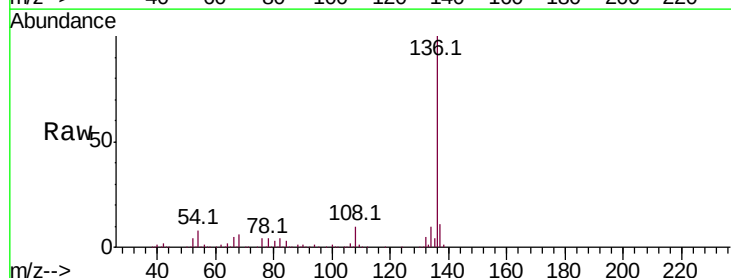
RT: 8.00 min Scan# 963

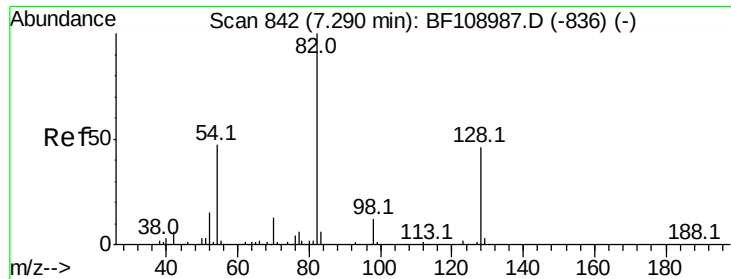
Delta R.T. -0.01 min

Lab File: BF109105.D

Acq: 18 Sep 2018 19:35

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	419524		
137	11.2		8.9	13.3
54	7.7		6.6	9.8
68	6.0		5.0	7.4





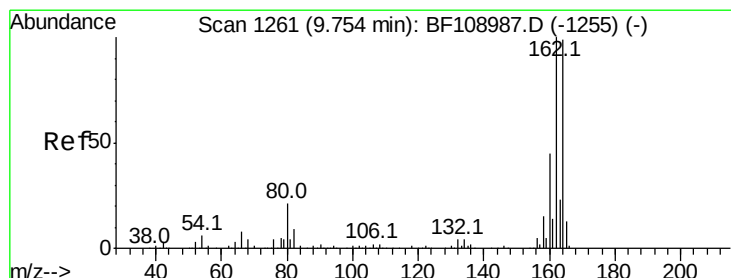
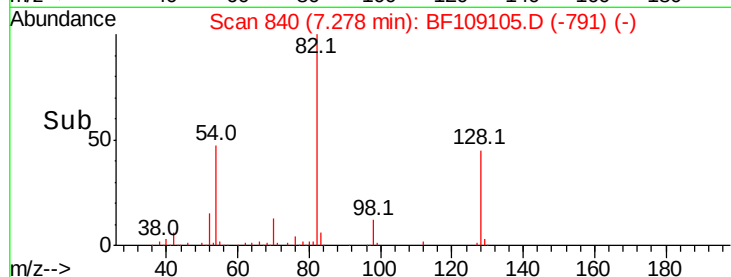
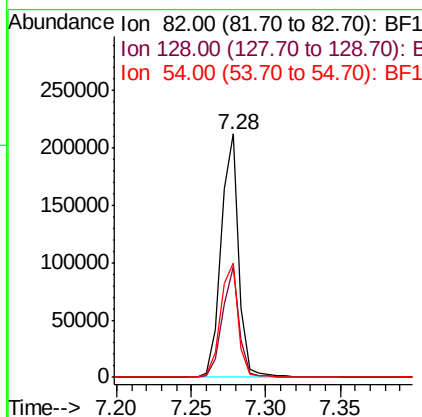
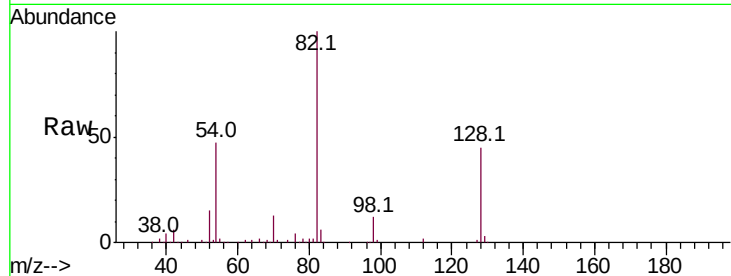
#23
 Nitrobenzene-d5
 Concen: 23.706 ng
 RT: 7.28 min Scan# 840
 Delta R.T. -0.01 min
 Lab File: BF109105.D
 Acq: 18 Sep 2018 19:35

Instrument :
 BNA_F
 ClientSampleId :
 RB48380RT

Tot Ion	Ratio	Resp	Lower	Upper
82	100	177317		
128	45.5	36.1	54.1	
54	47.2	41.4	62.2	

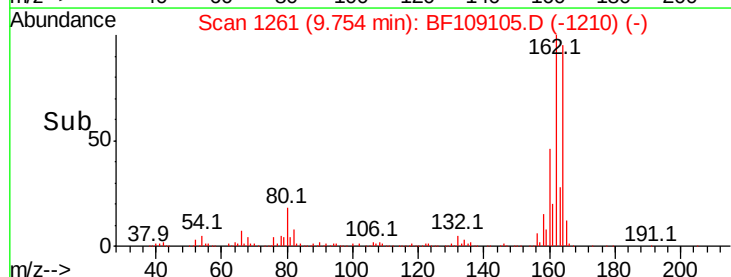
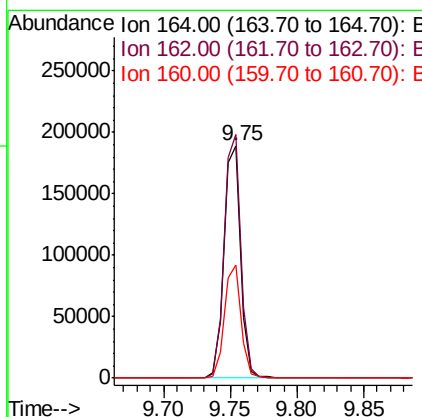
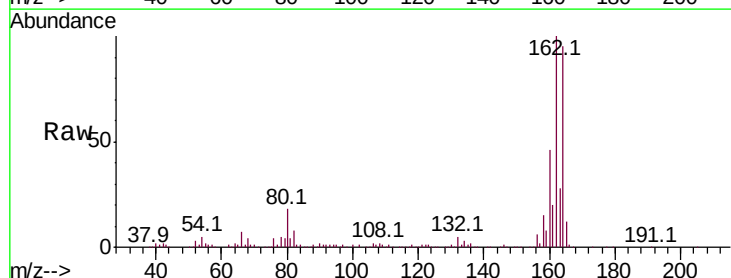
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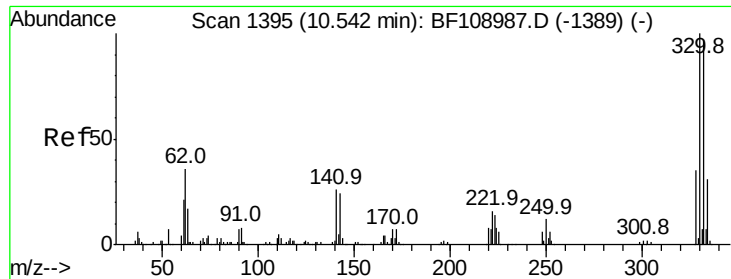
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: BF109105.D
 Acq: 18 Sep 2018 19:35

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	168339		
162	104.7	86.1	129.1	
160	48.4	38.3	57.5	





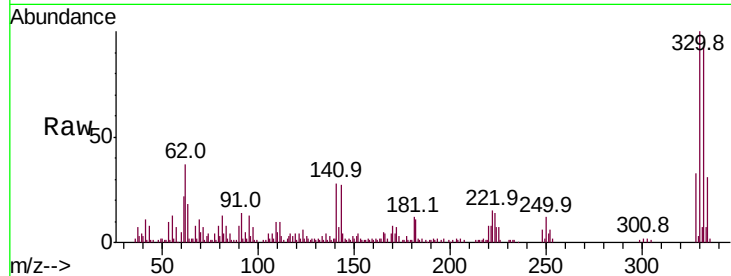
#41
 2,4,6-Tribromophenol
 Concen: 32.804 ng
 RT: 10.54 min Scan# 1394
 Delta R.T. -0.01 min
 Lab File: BF109105.D
 Acq: 18 Sep 2018 19:35

Instrument :
 BNA_F
 ClientSampleId :
 RB48380RT

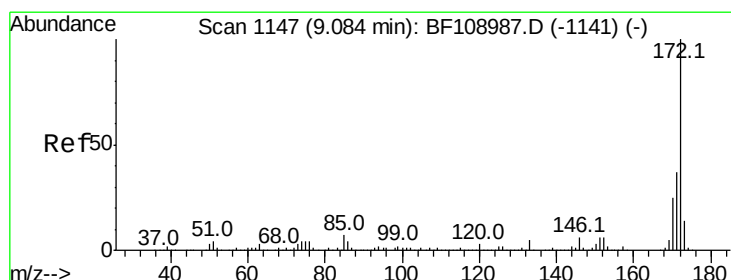
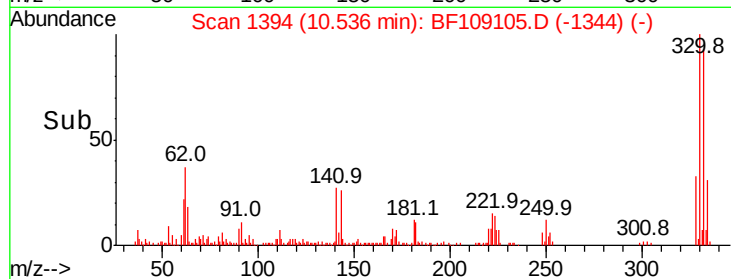
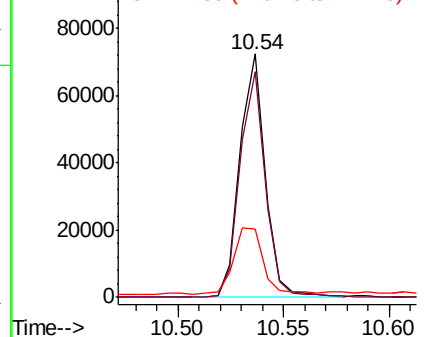
Tot Ion:	330	Resp:	59930
Ion Ratio	Lower	Upper	
330	100		
332	93.1	77.0	115.6
141	34.3	29.9	44.9

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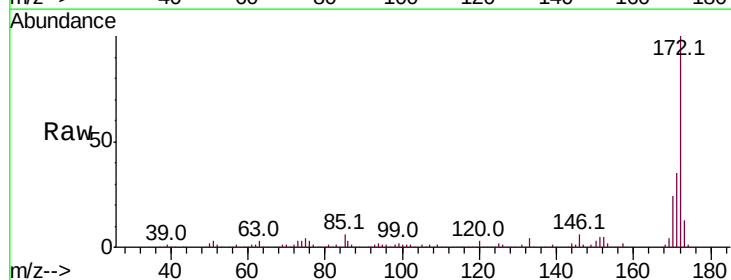


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

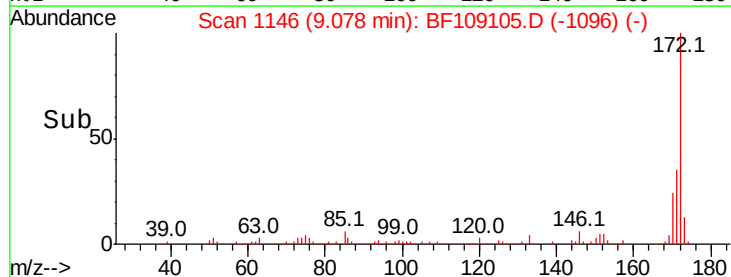
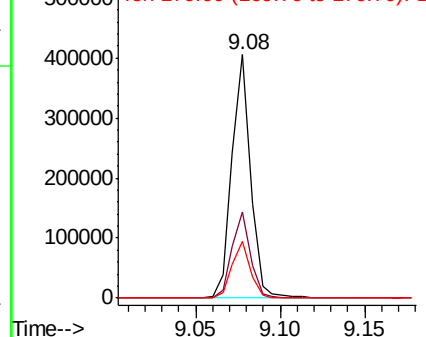


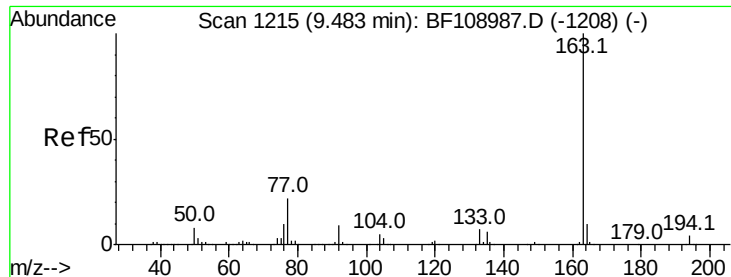
#44
 2-Fluorobiphenyl
 Concen: 29.048 ng
 RT: 9.08 min Scan# 1146
 Delta R.T. -0.01 min
 Lab File: BF109105.D
 Acq: 18 Sep 2018 19:35

Tgt Ion:	172	Resp:	312108
Ion Ratio	Lower	Upper	
172	100		
171	35.1	29.7	44.5
170	23.5	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





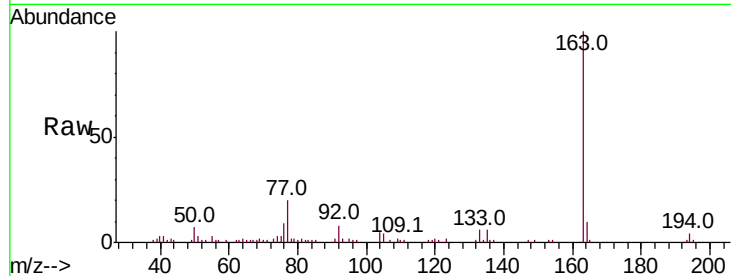
#49
Dimethylphthalate
Concen: 4.125 ng
RT: 9.47 min Scan# 1213
Delta R.T. -0.01 min
Lab File: BF109105.D
Acq: 18 Sep 2018 19:35

Instrument :
BNA_F
ClientSampleId :
RB48380RT

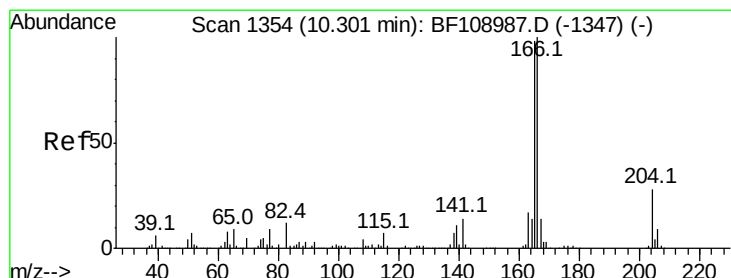
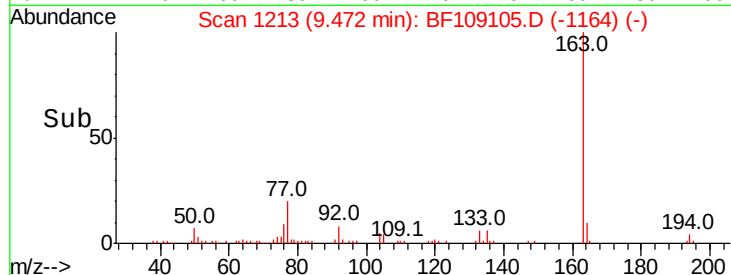
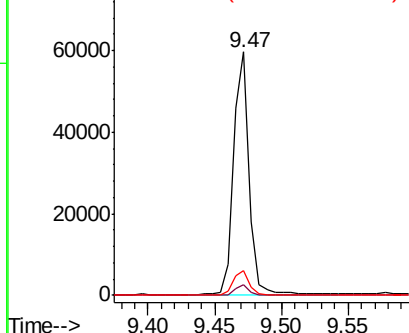
Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.2		2.7	4.1#
164	10.2		8.2	12.2

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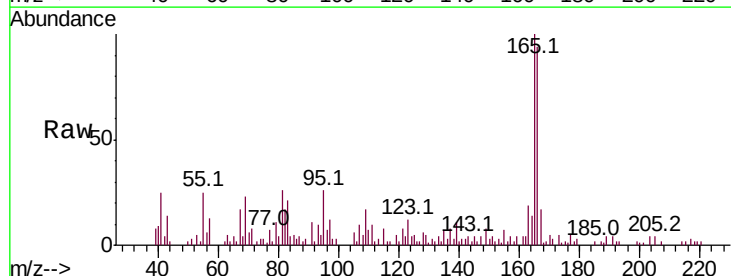


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

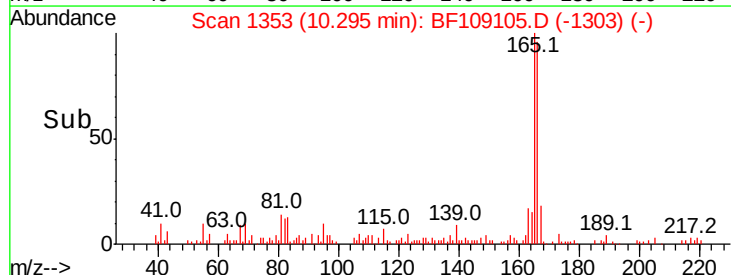
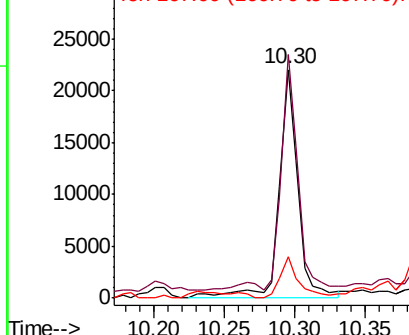


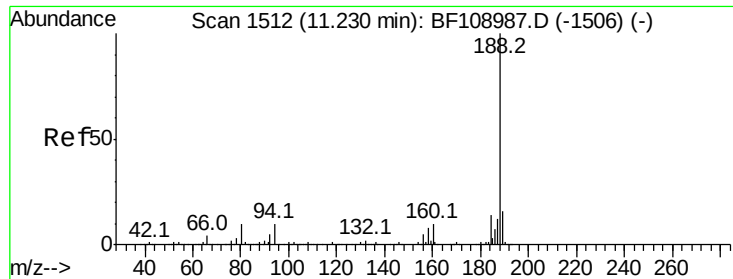
#57
Fluorene
Concen: 2.123 ng
RT: 10.30 min Scan# 1353
Delta R.T. -0.01 min
Lab File: BF109105.D
Acq: 18 Sep 2018 19:35

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	106.5		79.8	119.8
167	18.3		10.6	16.0#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





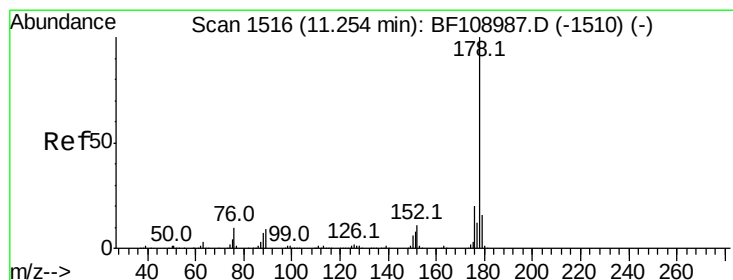
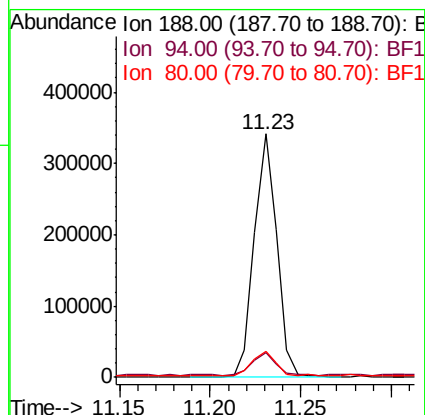
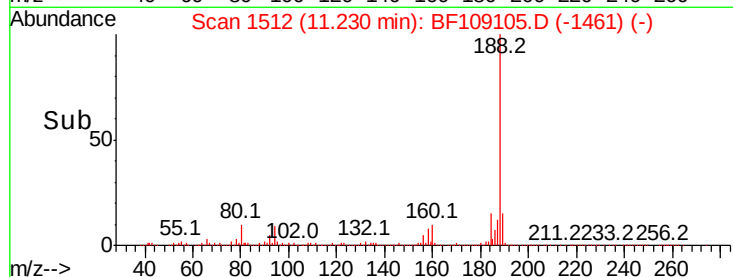
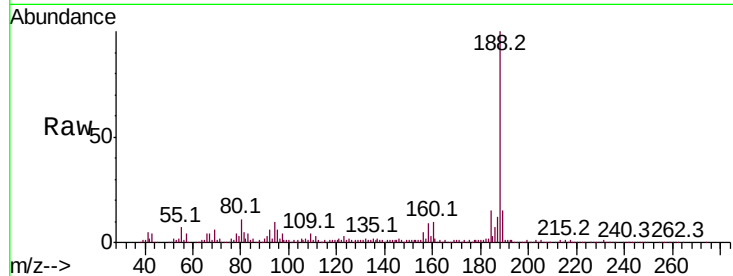
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1512
Delta R.T. 0.00 min
Lab File: BF109105.D
Acq: 18 Sep 2018 19:35

Instrument :
BNA_F
ClientSampled :
RB48380RT

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.3	8.5	12.7
80	10.9	9.2	13.8

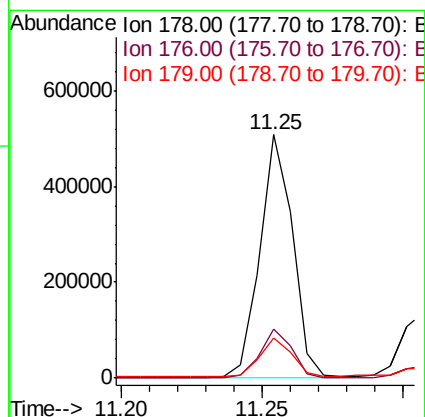
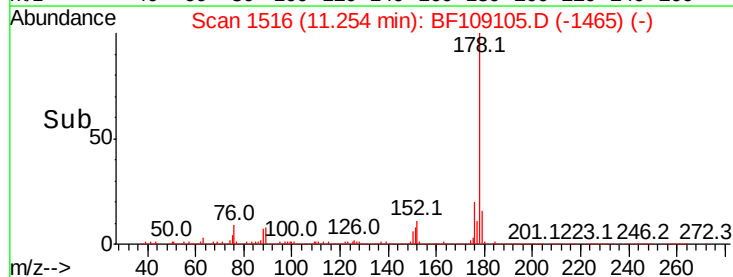
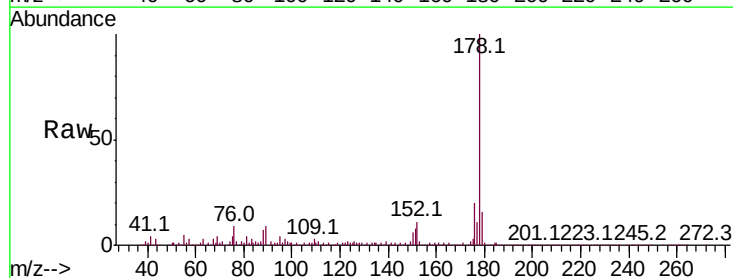
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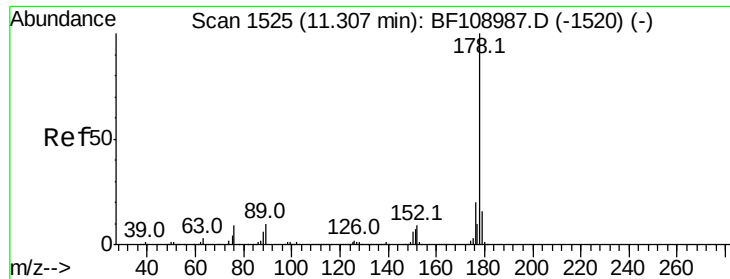
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#70
Phenanthrene
Concen: 28.057 ng
RT: 11.25 min Scan# 1516
Delta R.T. 0.00 min
Lab File: BF109105.D
Acq: 18 Sep 2018 19:35

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	20.0	15.8	23.8
179	16.2	13.0	19.6





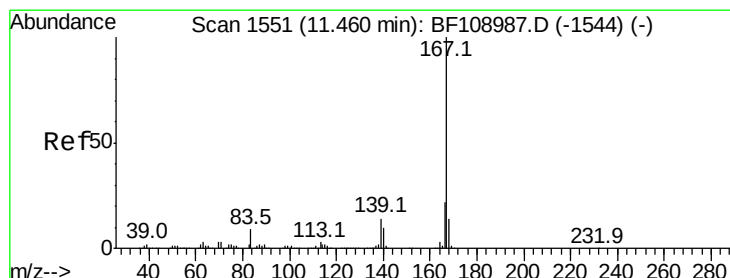
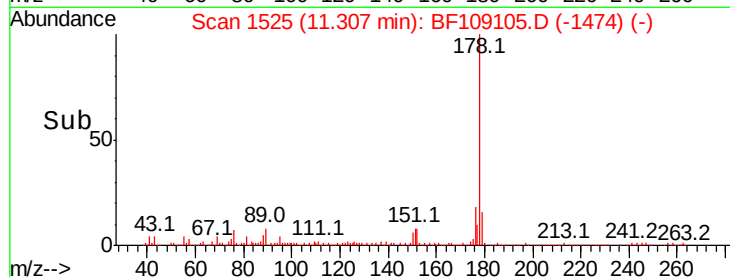
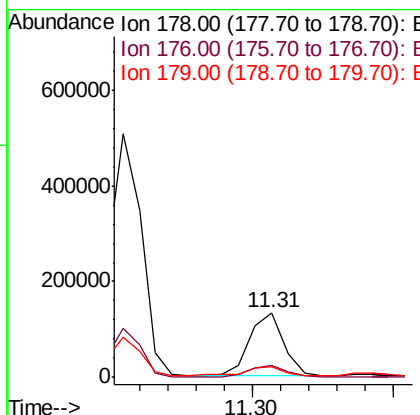
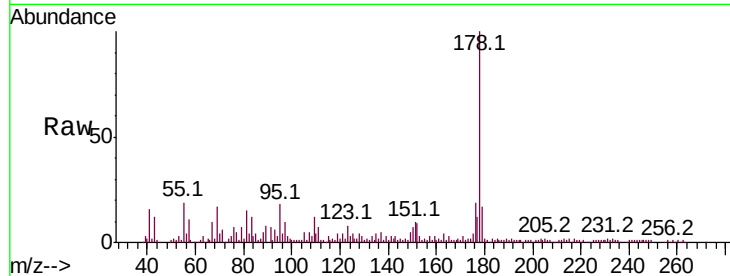
#71
 Anthracene
 Concen: 7.506 ng
 RT: 11.31 min Scan# 1525
 Delta R.T. 0.00 min
 Lab File: BF109105.D
 Acq: 18 Sep 2018 19:35

Instrument :
 BNA_F
 ClientSampleId :
 RB48380RT

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	16.9	12.6	19.0

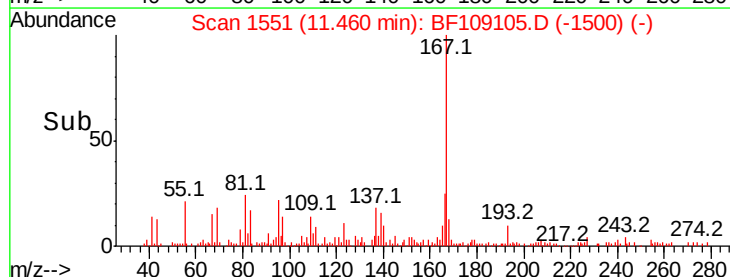
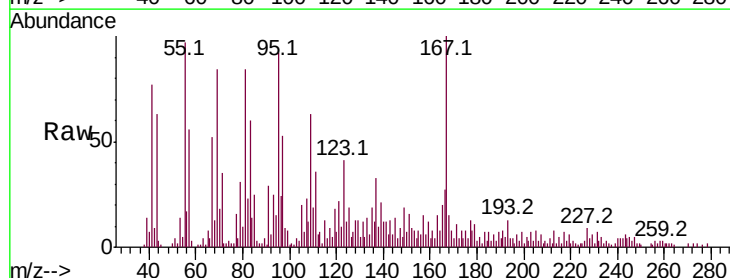
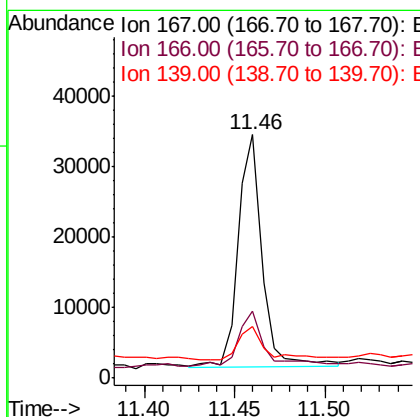
Manual Integrations
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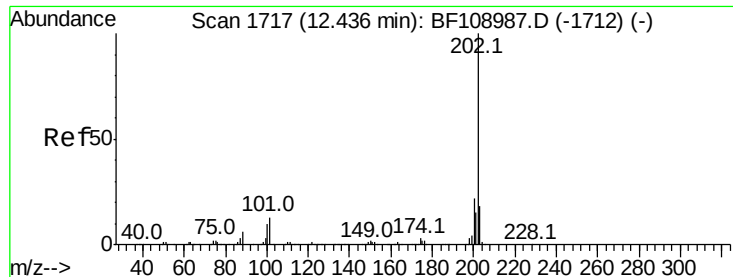
Sohil
 9/19/2018 4:23:45 PM



#72
 Carbazole
 Concen: 2.056 ng
 RT: 11.46 min Scan# 1551
 Delta R.T. 0.00 min
 Lab File: BF109105.D
 Acq: 18 Sep 2018 19:35

Tgt Ion	Ratio	Lower	Upper
167	100		
166	27.3	17.6	26.4#
139	21.2	10.9	16.3#





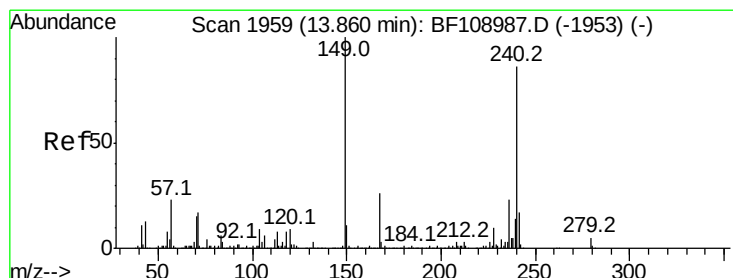
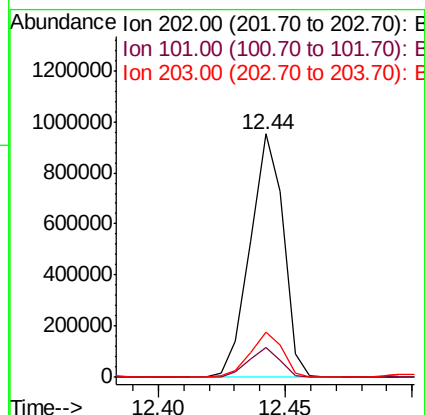
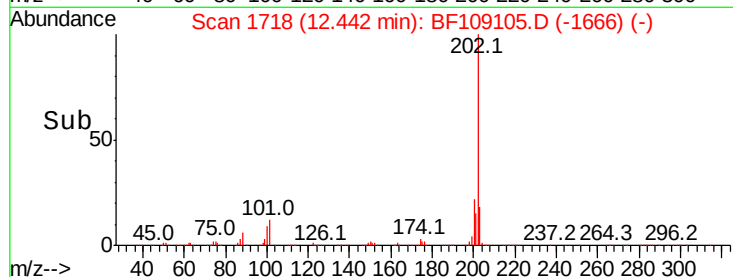
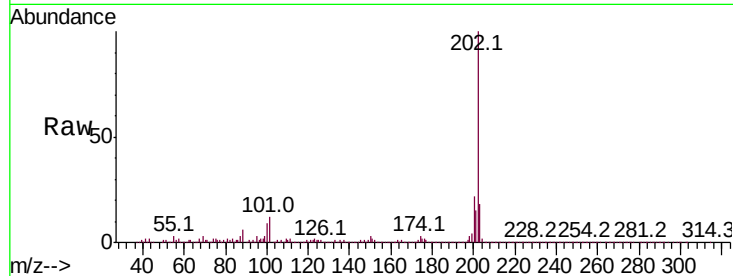
#74
 Fluoranthene
 Concen: 56.704 ng
 RT: 12.44 min Scan# 1718
 Delta R.T. 0.01 min
 Lab File: BF109105.D
 Acq: 18 Sep 2018 19:35

Instrument :
 BNA_F
 ClientSampleId :
 RB48380RT

Tot Ion	Ratio	Resp	Lower	Upper
202	100	866677		
101	12.4	0.0	34.1	
203	18.4	0.0	38.1	

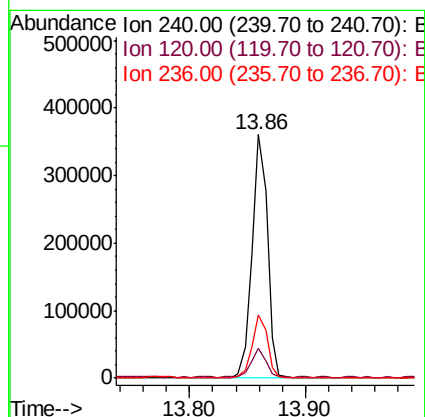
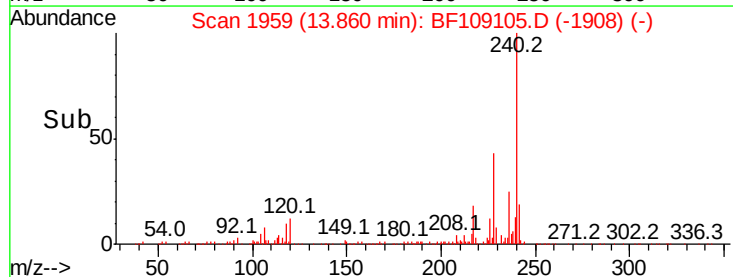
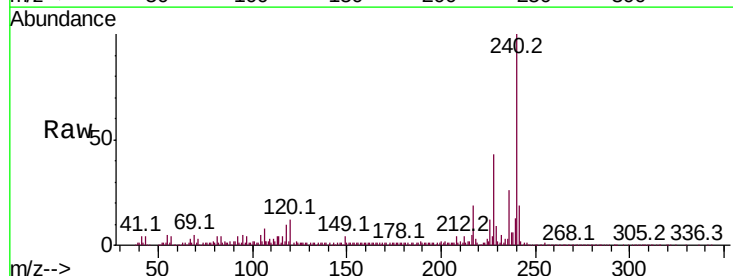
Manual Integrations
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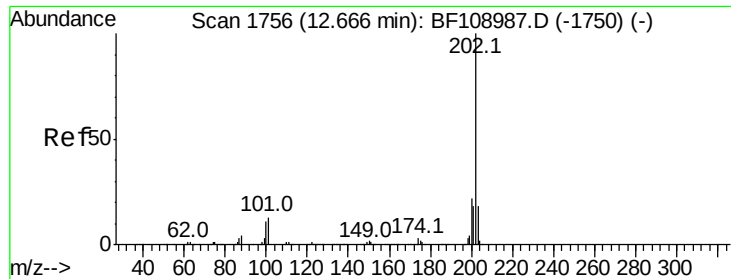
Sohil
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#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.86 min Scan# 1959
 Delta R.T. 0.00 min
 Lab File: BF109105.D
 Acq: 18 Sep 2018 19:35

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	330605		
120	12.4	9.5	14.3	
236	25.8	20.7	31.1	





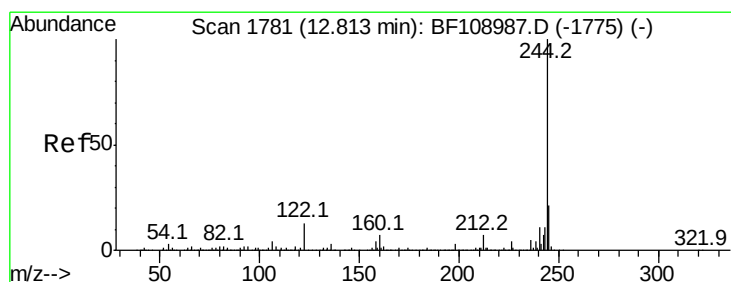
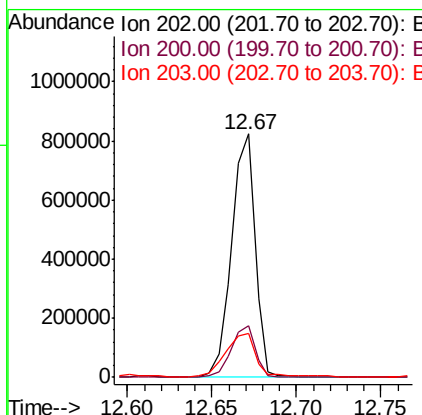
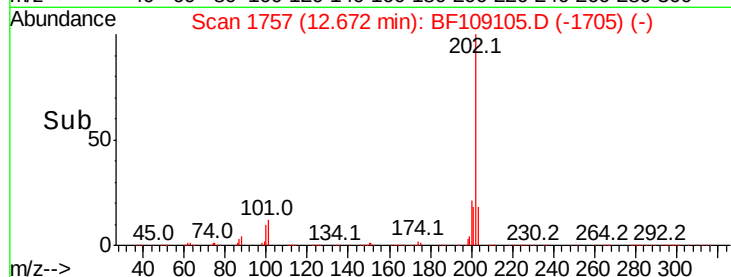
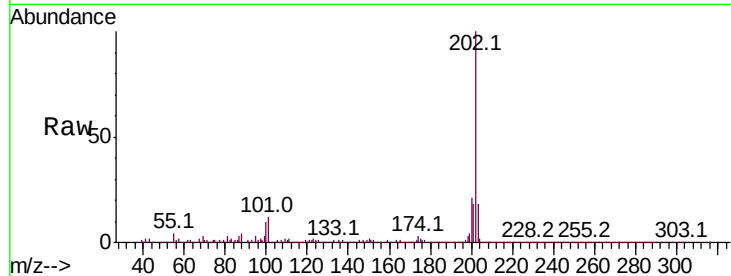
#77
Pvrene
Concen: 32.279 ng
RT: 12.67 min Scan# 1757
Delta R.T. 0.01 min
Lab File: BF109105.D
Acq: 18 Sep 2018 19:35

Instrument :
BNA_F
ClientSampled :
RB48380RT

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.4	17.4	26.2
203	18.0	14.3	21.5

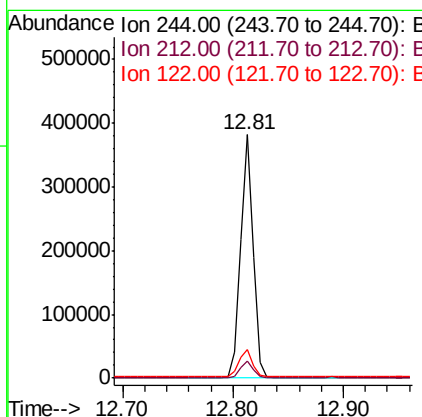
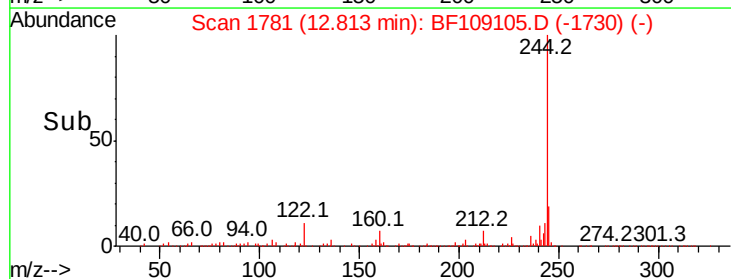
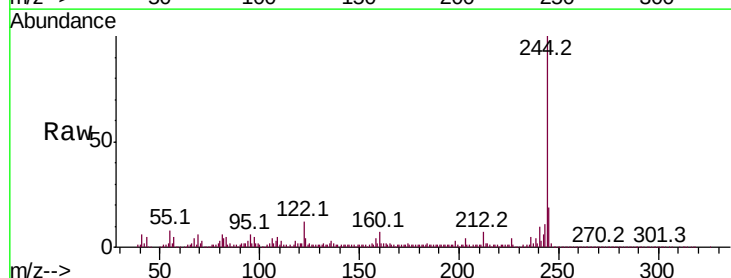
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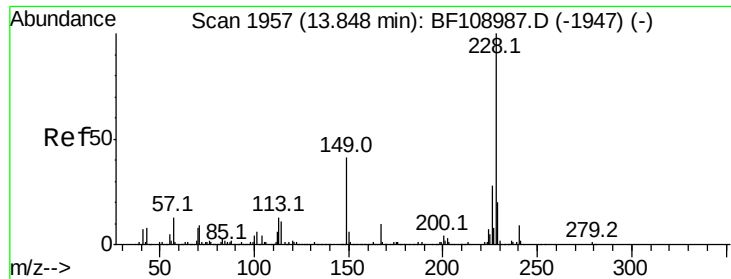
Sohil
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#78
Terphenyl-d14
Concen: 21.781 ng
RT: 12.81 min Scan# 1781
Delta R.T. 0.00 min
Lab File: BF109105.D
Acq: 18 Sep 2018 19:35

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.8	5.4	8.0
122	11.6	11.0	16.4





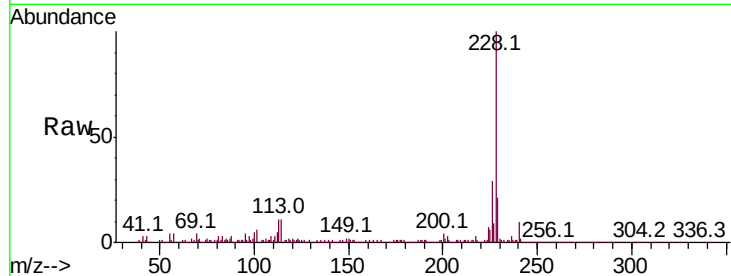
#80
Benzo(a)anthracene
Concen: 23.867 ng
RT: 13.85 min Scan# 1957
Delta R.T. 0.00 min
Lab File: BF109105.D
Acq: 18 Sep 2018 19:35

Instrument :
BNA_F
ClientSampleId :
RB48380RT

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.6	33.8
229	21.4	15.8	23.6

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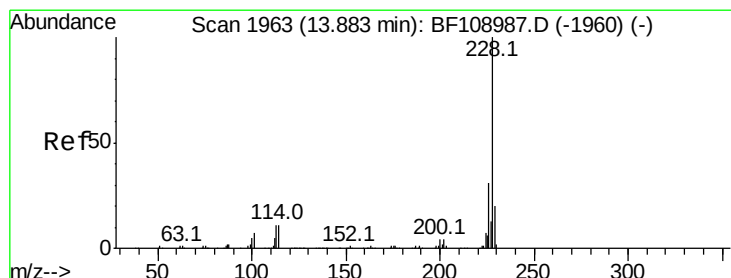
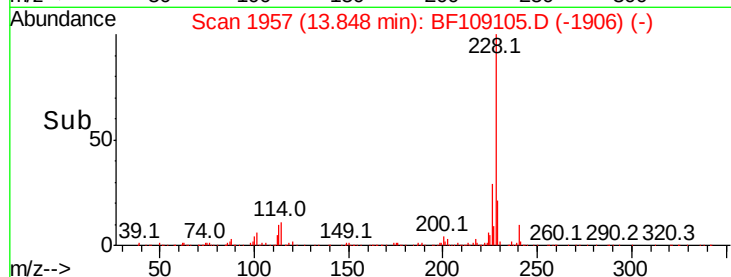
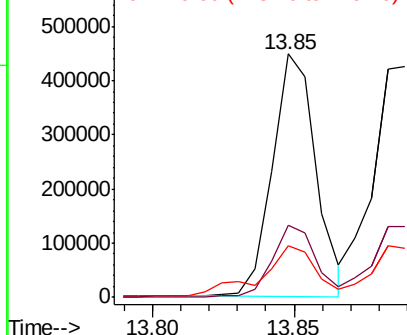


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82
Chrysene
Concen: 21.831 ng
RT: 13.89 min Scan# 1964
Delta R.T. 0.01 min
Lab File: BF109105.D
Acq: 18 Sep 2018 19:35

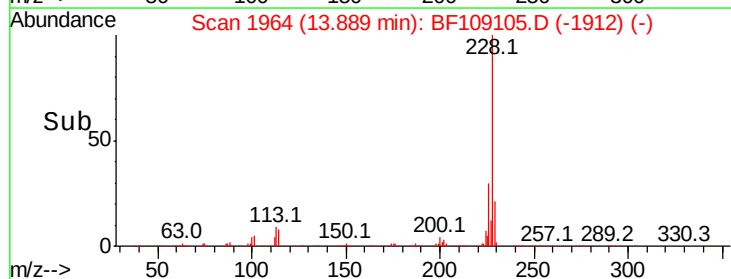
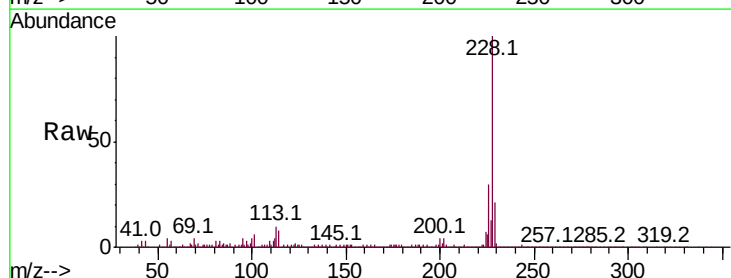
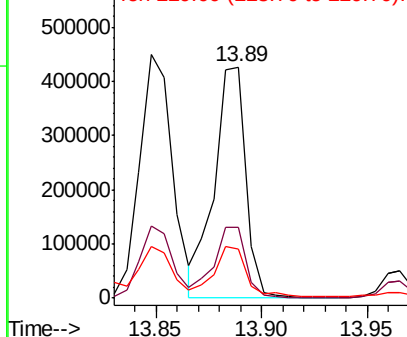
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.0	37.6
229	21.4	16.2	24.4

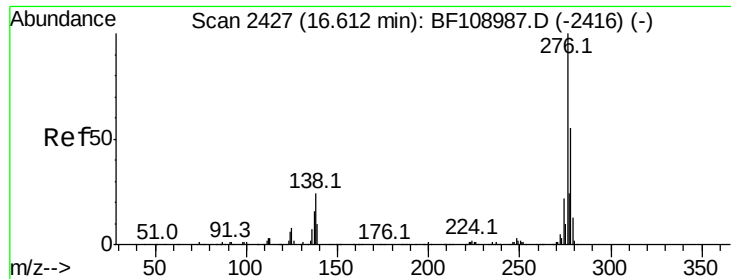
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





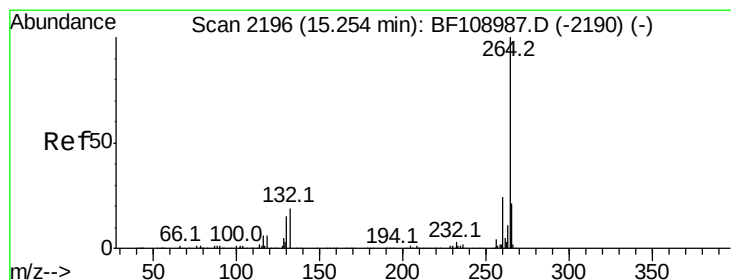
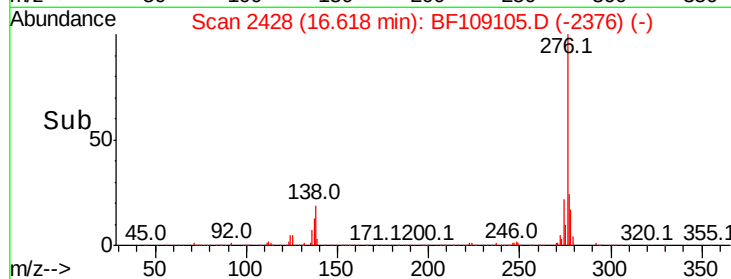
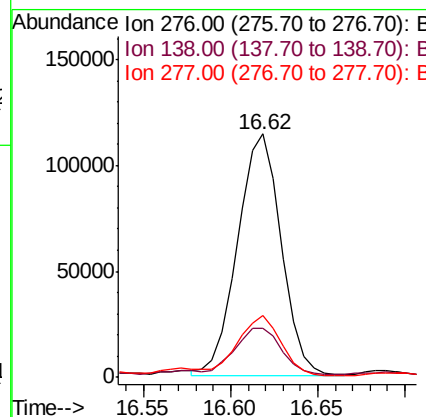
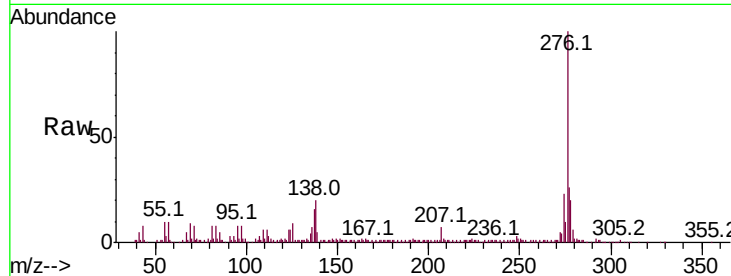
#85
Indeno(1,2,3-cd)pyrene
Concen: 12.394 ng/ml
RT: 16.62 min Scan# 2428
Delta R.T. 0.01 min
Lab File: BF109105.D
Acq: 18 Sep 2018 19:35

Instrument :
BNA_F
ClientSampleId :
RB48380RT

Tot Ion	Ratio	Lower	Upper
276	100		
138	4.6	25.0	37.6#
277	5.1	20.1	30.1#

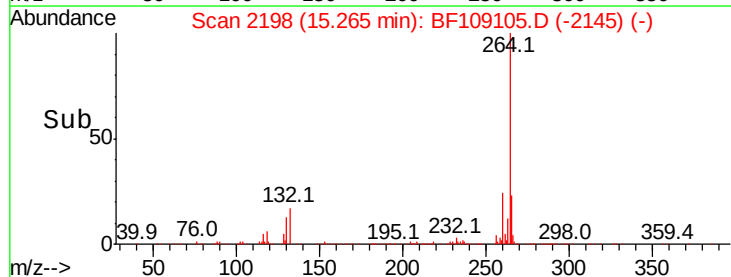
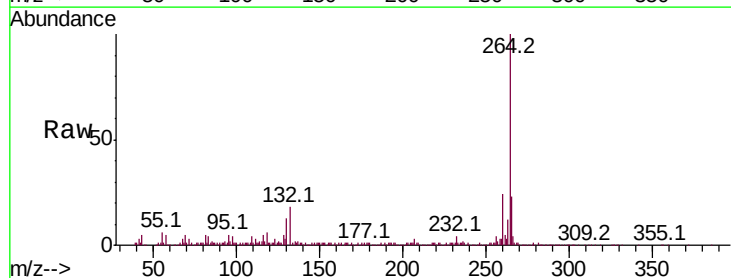
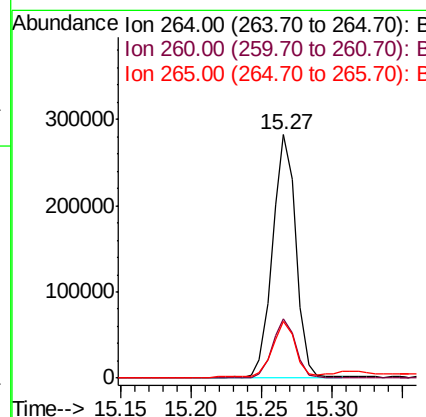
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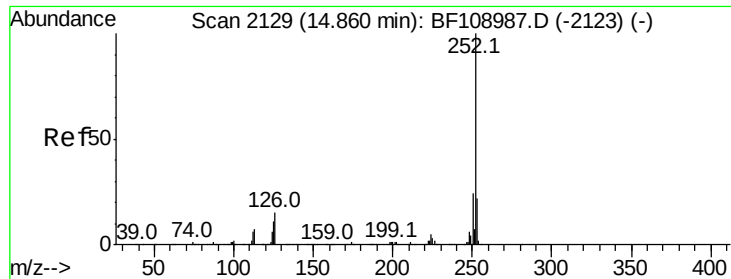
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2198
Delta R.T. 0.01 min
Lab File: BF109105.D
Acq: 18 Sep 2018 19:35

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	23.2	17.5	26.3





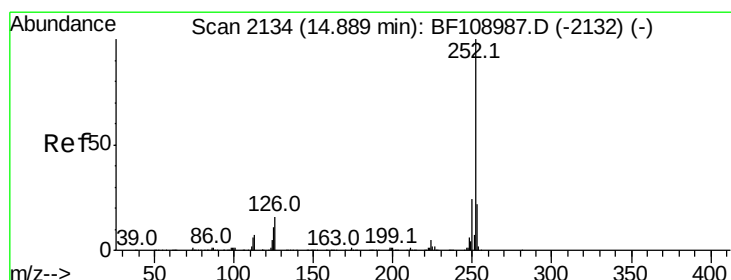
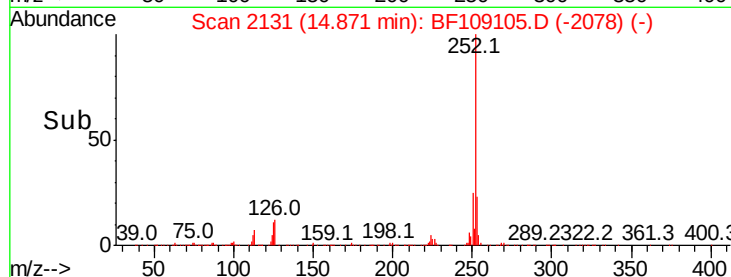
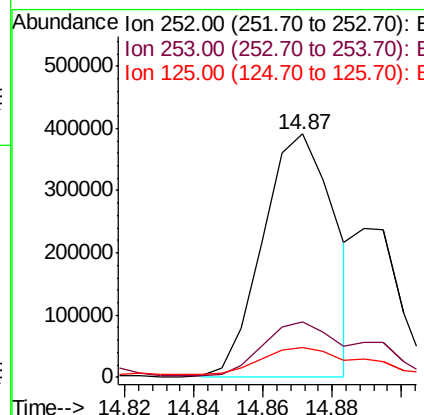
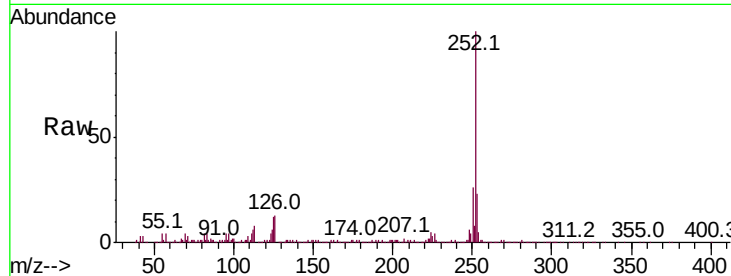
#87
Benzo(b)fluoranthene
Concen: 30.941 ng m
RT: 14.87 min Scan# 2131
Delta R.T. 0.01 min
Lab File: BF109105.D
Acq: 18 Sep 2018 19:35

Instrument :
BNA_F
ClientSampled :
RB48380RT

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	12.1	9.0	13.6

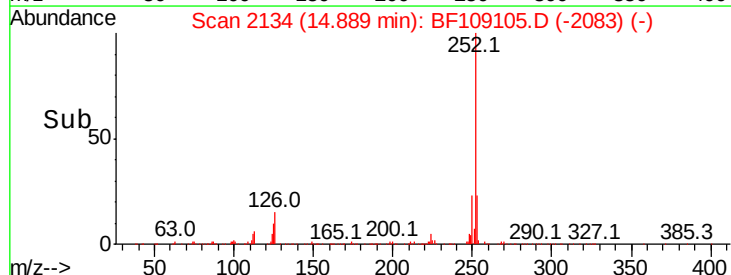
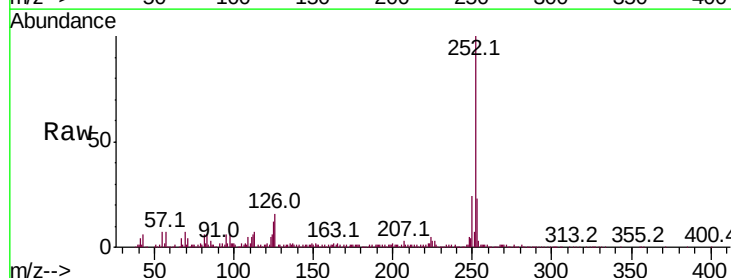
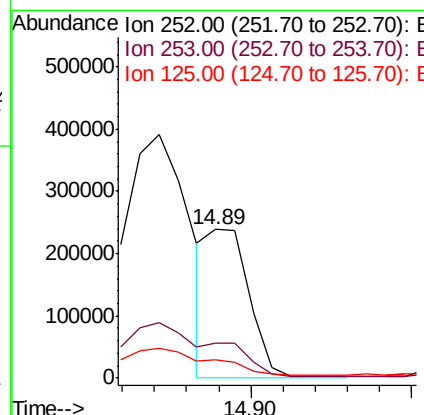
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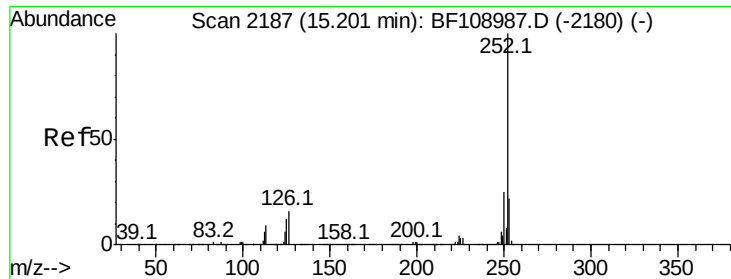
Sohil
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#88
Benzo(k)fluoranthene
Concen: 12.526 ng m
RT: 14.89 min Scan# 2134
Delta R.T. 0.00 min
Lab File: BF109105.D
Acq: 18 Sep 2018 19:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.9	26.9
125	12.3	10.2	15.2





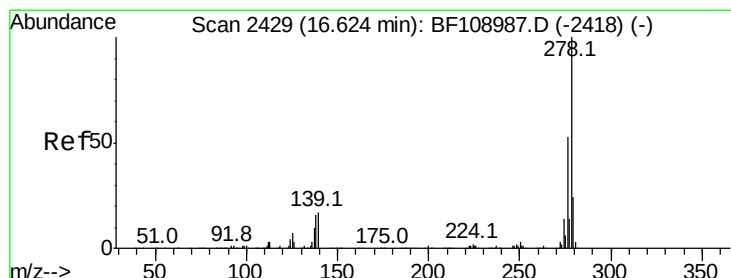
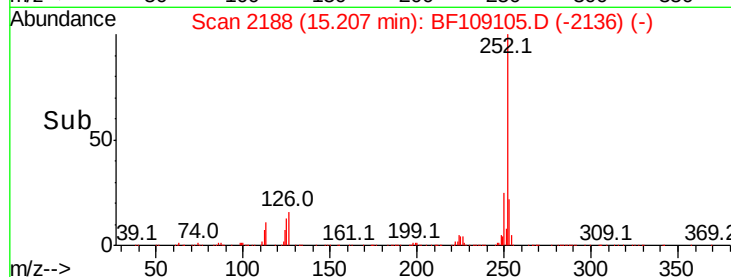
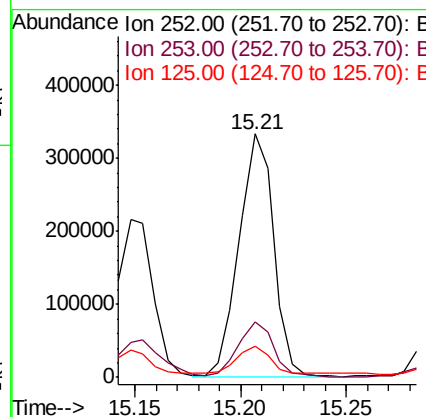
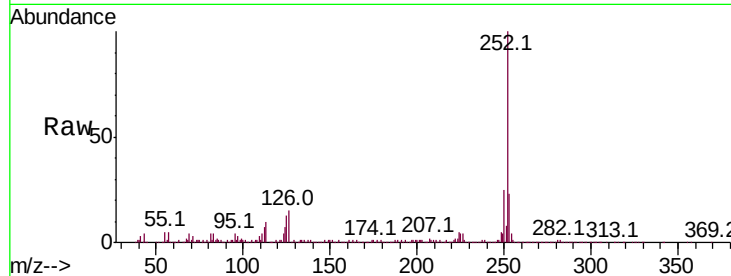
#89
Benzo(a)pyrene
Concen: 23.432 ng
RT: 15.21 min Scan# 2188
Delta R.T. 0.01 min
Lab File: BF109105.D
Acq: 18 Sep 2018 19:35

Instrument :
BNA_F
ClientSampleId :
RB48380RT

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	12.7	9.8	14.6

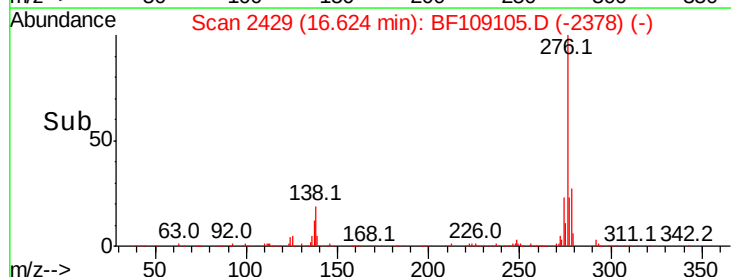
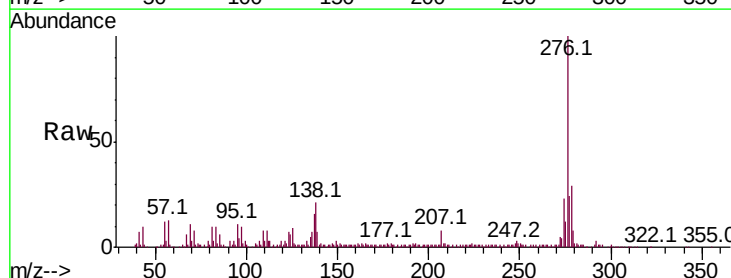
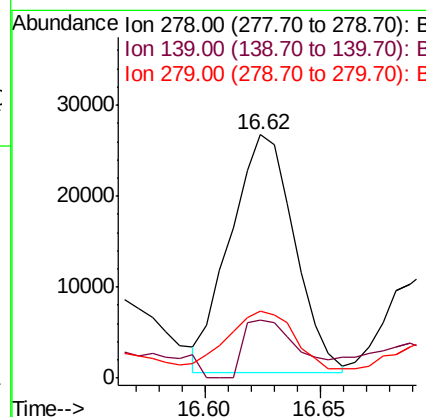
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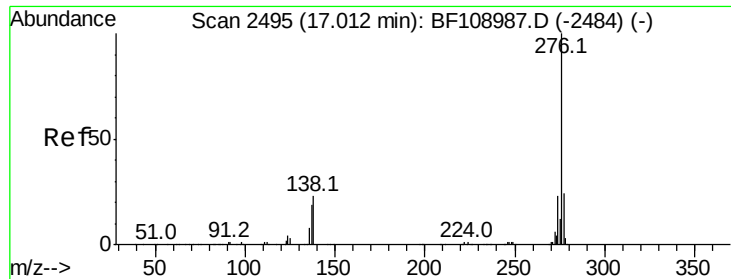
Sohil
9/19/2018 4:23:45 PM



#90
Dibenzo(a,h)anthracene
Concen: 3.732 ng
RT: 16.62 min Scan# 2429
Delta R.T. 0.00 min
Lab File: BF109105.D
Acq: 18 Sep 2018 19:35

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.6	15.9	23.9
279	27.7	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 13.343 ng
 RT: 17.02 min Scan# 2497
 Delta R.T. 0.01 min
 Lab File: BF109105.D
 Acq: 18 Sep 2018 19:35

Instrument :
 BNA_F
 ClientSampleId :
 RB48380RT

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	23.2	17.9	26.9
138	19.1	21.8	32.8

Manual Integrations
 APPROVED

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