

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
 Data File : BF104219.D
 Acq On : 4 Apr 2018 10:39
 Operator : JU/SJ
 Sample : J2176-01DL 50X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB30_N_8DL

Manual Integrations
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Quant Time: Apr 04 11:16:26 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 03 15:22:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	92544	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	464893	20.00	ng	0.00
38) Acenaphthene-d10	9.99	164	215099	20.00	ng	-0.01
63) Phenanthrene-d10	11.49	188	368192	20.00	ng	0.00
75) Chrysene-d12	14.14	240	225387	20.00	ng	-0.01
86) Perylene-d12	15.69	264	238458	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	6.73	99	269	0.04	ng	0.13
23) Nitrobenzene-d5	7.63	82	127	0.02	ng	0.10
41) 2,4,6-Tribromophenol	10.80	330	664	0.28	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	7562	0.55	ng	0.00
78) Terphenyl-d14	13.07	244	7878	0.81	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.26	128	83675	3.684	ng	98
48) Acenaphthylene	9.86	152	106739	4.838	ng	97
57) Fluorene	10.55	166	39556	2.573	ng	# 95
70) Phenanthrene	11.52	178	309503	15.526	ng	98
71) Anthracene	11.57	178	137978	6.627	ng	97
74) Fluoranthene	12.71	202	483670	22.826	ng	98
77) Pyrene	12.94	202	436570	26.945	ng	98
80) Benzo(a)anthracene	14.14	228	210465m	14.924	ng	
82) Chrysene	14.17	228	175174	12.682	ng	98
85) Indeno(1,2,3-cd)pyrene	17.27	276	123496	8.628	ng	# 90
87) Benzo(b)fluoranthene	15.23	252	245805m	16.938	ng	
88) Benzo(k)fluoranthene	15.26	252	102386m	7.489	ng	
89) Benzo(a)pyrene	15.62	252	212662	15.813	ng	97
90) Dibenzo(a,h)anthracene	17.28	278	28857	2.321	ng	# 89
91) Benzo(a,h,i)perylene	17.76	276	114507	9.194	ng	95

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

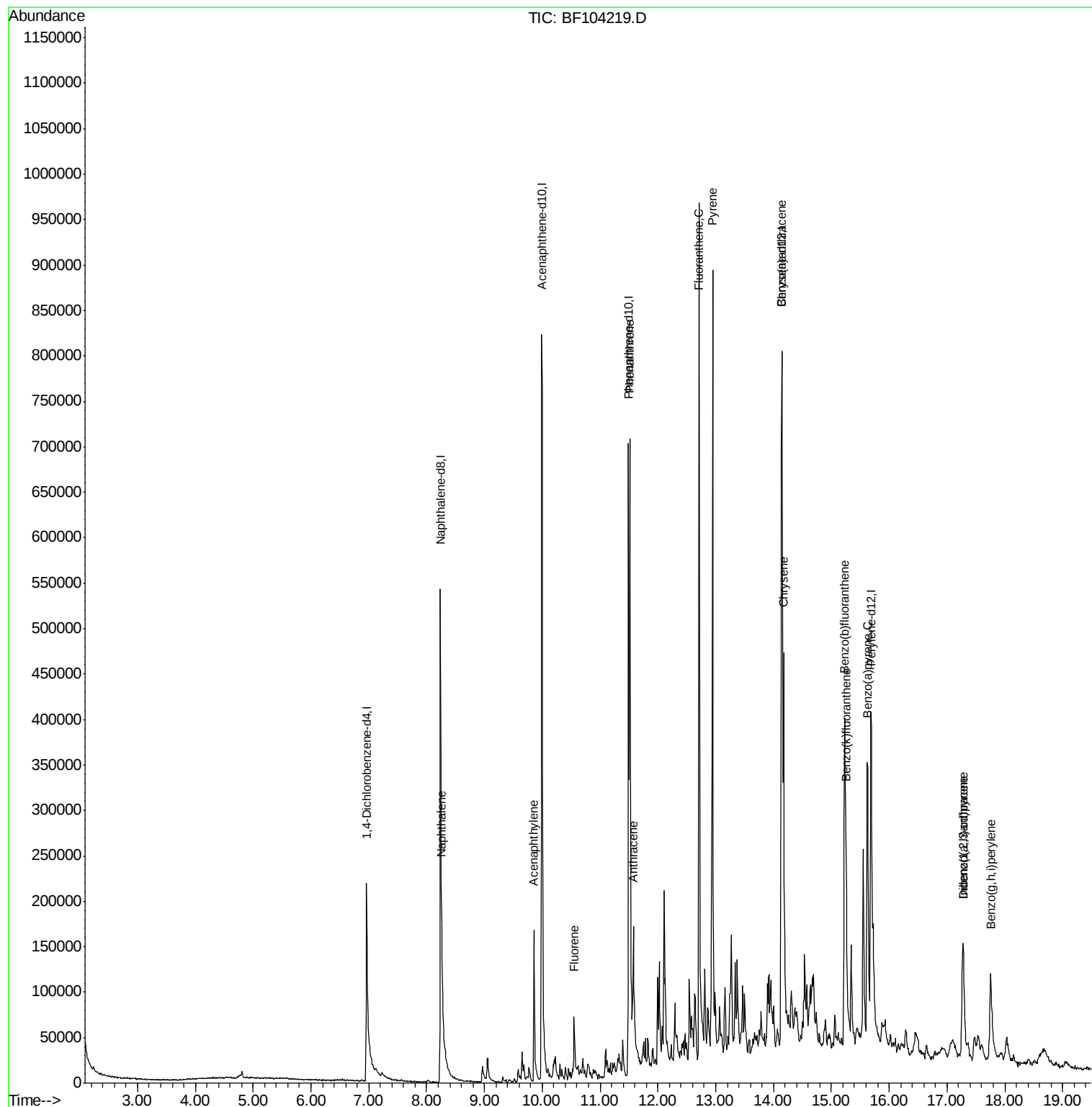
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
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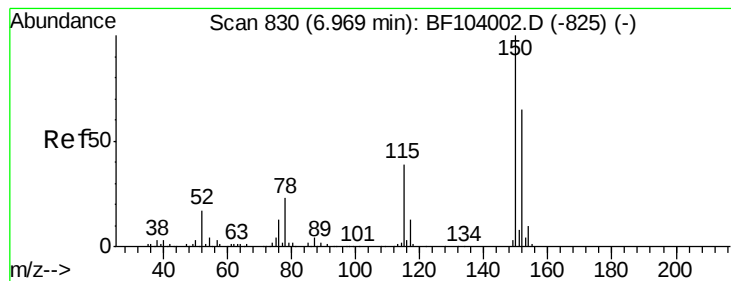
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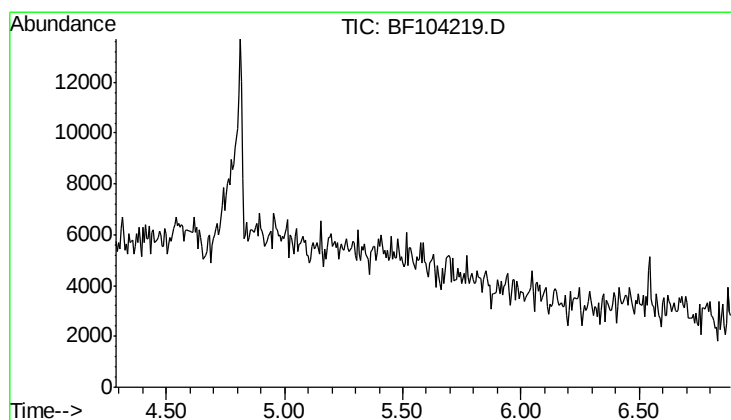
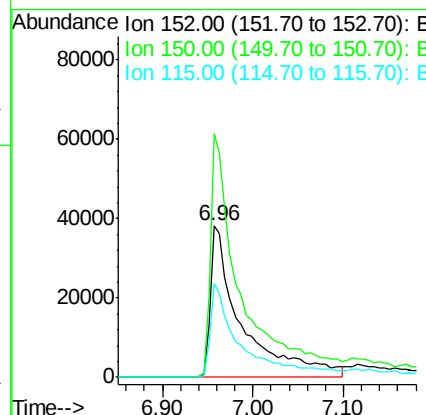
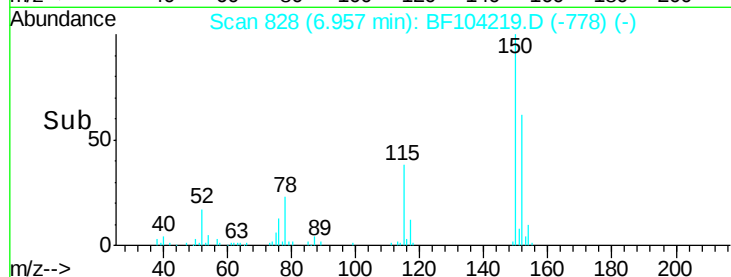
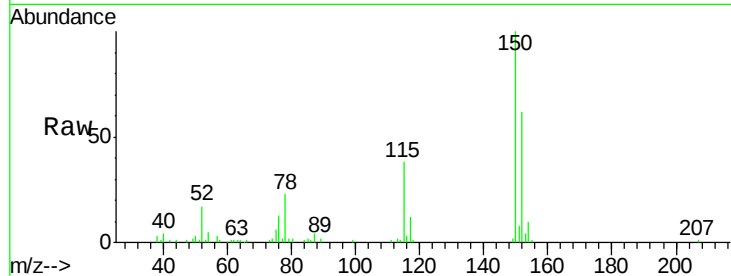
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.96 min Scan# 828
 Delta R.T. -0.01 min
 Lab File: BF104219.D
 Acq: 4 Apr 2018 10:39

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB30_N_8DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.2	124.6	186.8
115	61.6	50.1	75.1

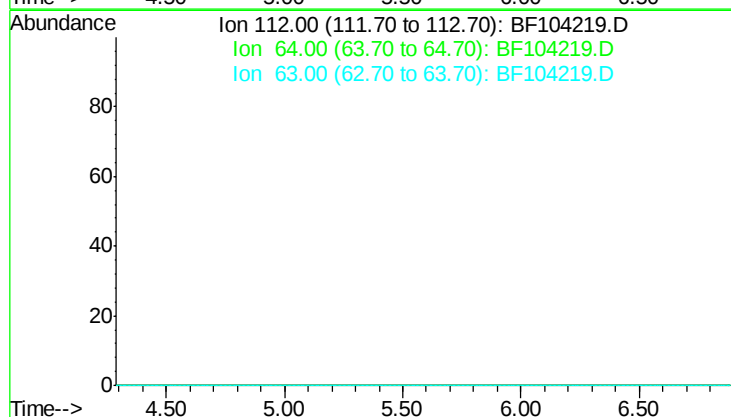
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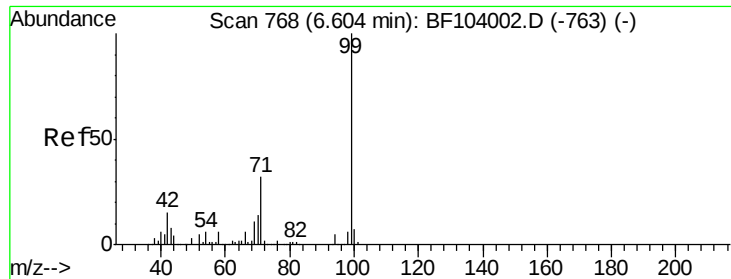
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#5
 2-Fluorophenol
 Concen: 0.000 ng
 Expected RT: 5.59 min
 Lab File: BF104219.D
 Acq: 4 Apr 2018 10:39

Tgt Ion	Exp Ratio
112	100
64	59.9
63	29.6





#7

Phenol-d6

Concen: 0.038 ng

RT: 6.73 min Scan# 789

Delta R.T. 0.13 min

Lab File: BF104219.D

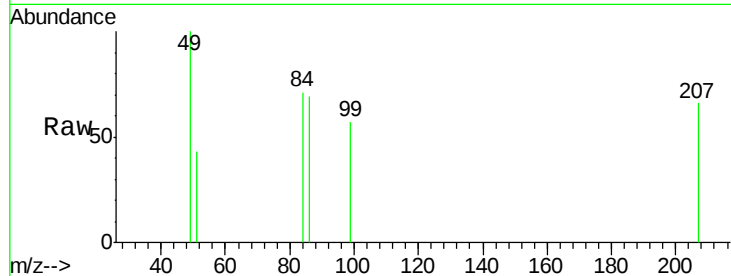
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Instrument :

BNA_F

ClientSampleId :

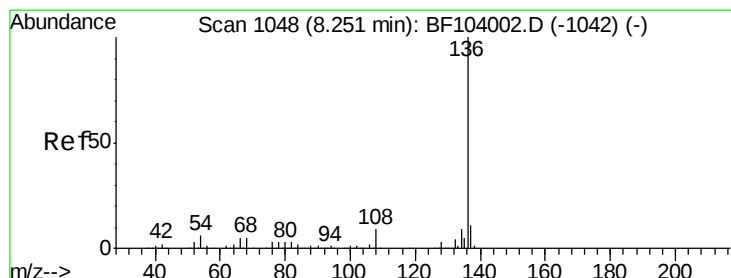
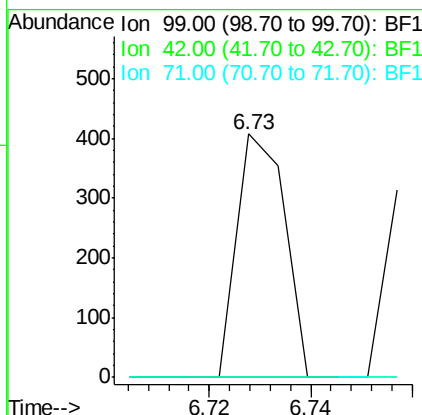
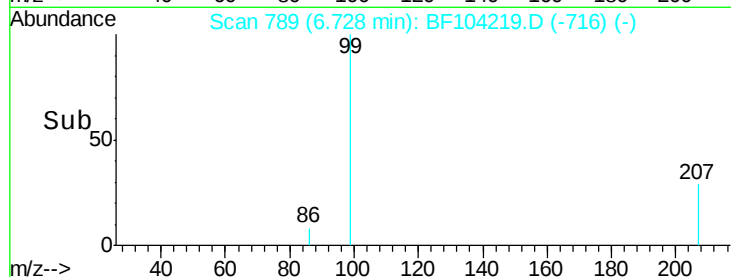
A2_SB30_N_8DL



Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		269		
42	0.0	14.5	21.7#		
71	0.0	25.4	38.0#		

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#21

Naphthalene-d8

Concen: 20.000 ng

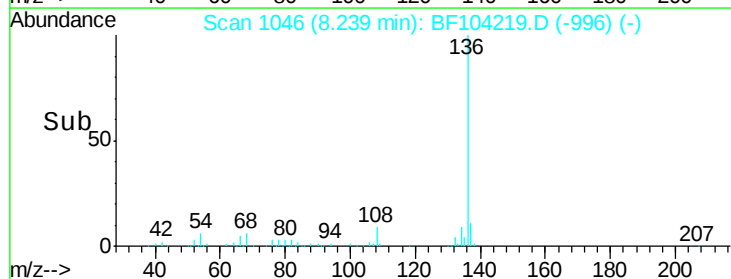
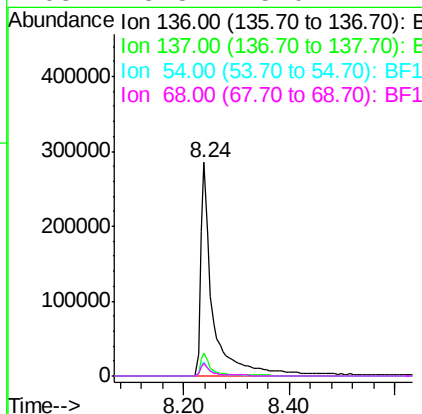
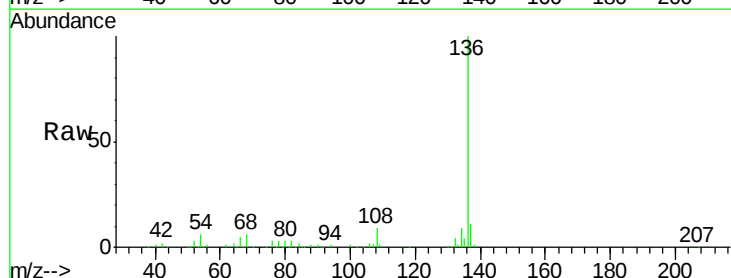
RT: 8.24 min Scan# 1046

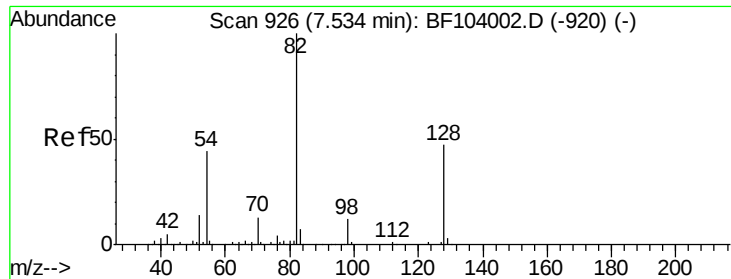
Delta R.T. -0.01 min

Lab File: BF104219.D

Acq: 4 Apr 2018 10:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		464893		
137	10.7	8.9	13.3		
54	6.4	6.6	9.8#		
68	5.8	5.0	7.4		





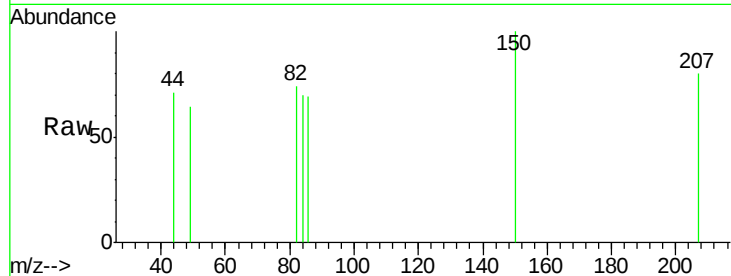
#23
Nitrobenzene-d5
Concen: 0.017 ng
RT: 7.63 min Scan# 943
Delta R.T. 0.10 min
Lab File: BF104219.D
Acq: 4 Apr 2018 10:39

Instrument :
BNA_F
ClientSampleId :
A2_SB30_N_8DL

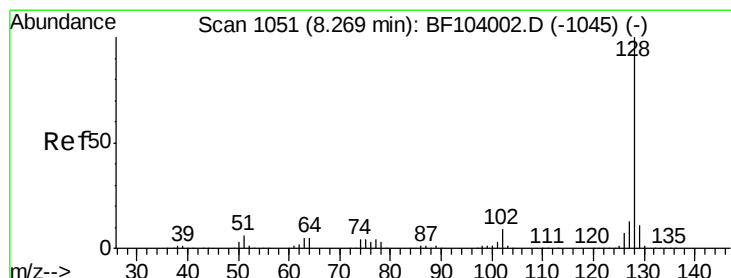
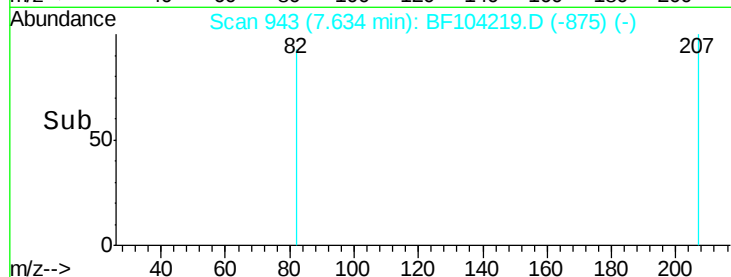
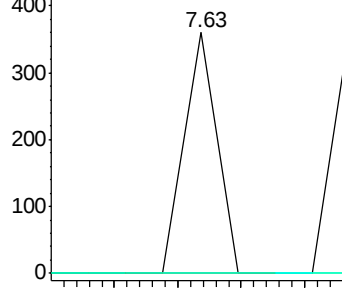
Tot Ion:	82	Resp:	127
Ion	Ratio	Lower	Upper
82	100		
128	0.0	36.1	54.1#
54	0.0	41.4	62.2#

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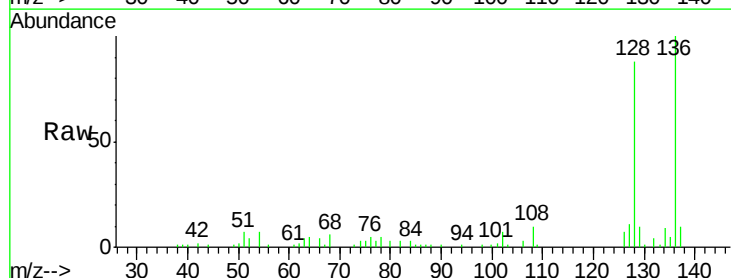


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

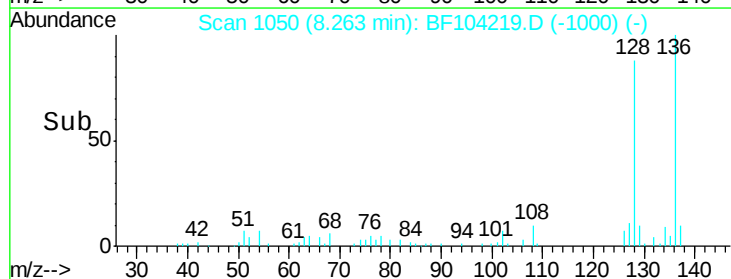
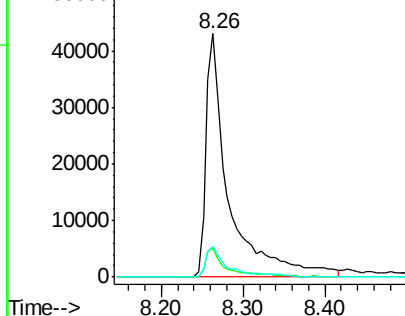


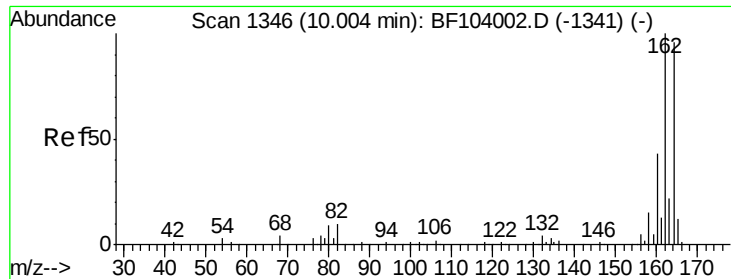
#31
Naphthalene
Concen: 3.684 ng
RT: 8.26 min Scan# 1050
Delta R.T. -0.01 min
Lab File: BF104219.D
Acq: 4 Apr 2018 10:39

Tgt Ion:	128	Resp:	83675
Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.8	13.2
127	12.7	10.9	16.3



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





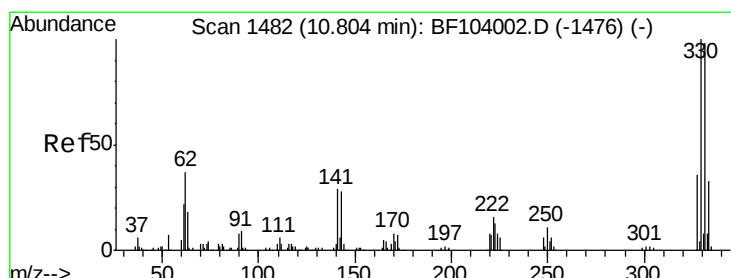
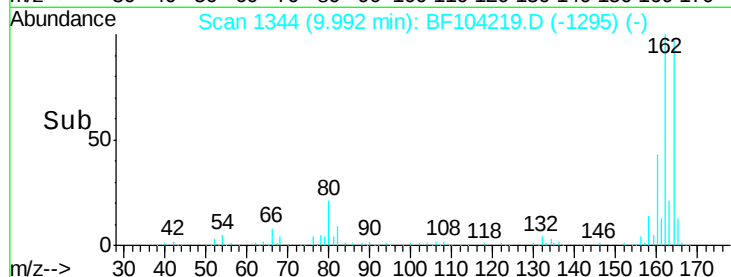
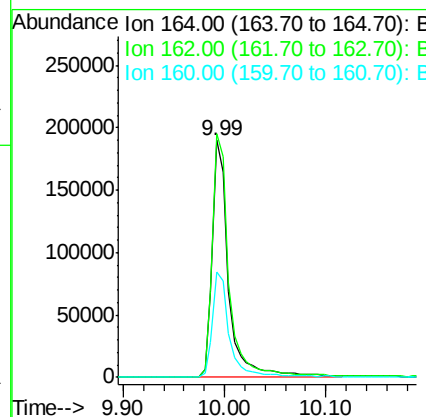
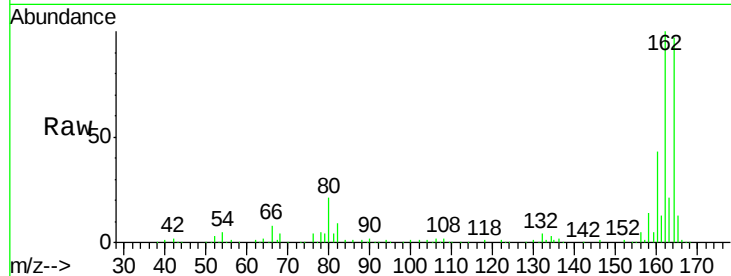
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.99 min Scan# 1344
 Delta R.T. -0.01 min
 Lab File: BF104219.D
 Acq: 4 Apr 2018 10:39

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB30_N_8DL

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.7	86.1	129.1
160	44.4	38.3	57.5

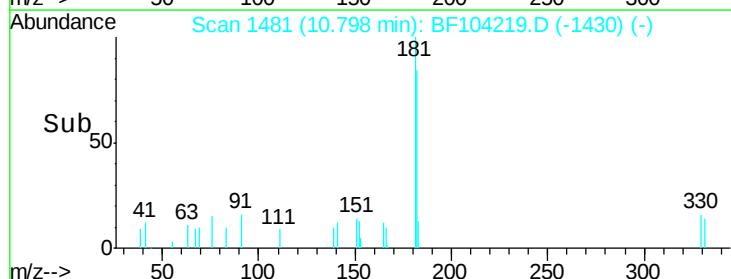
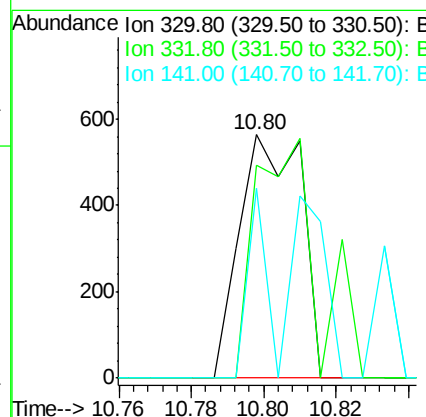
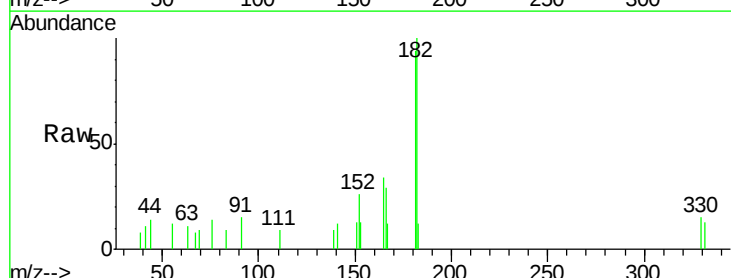
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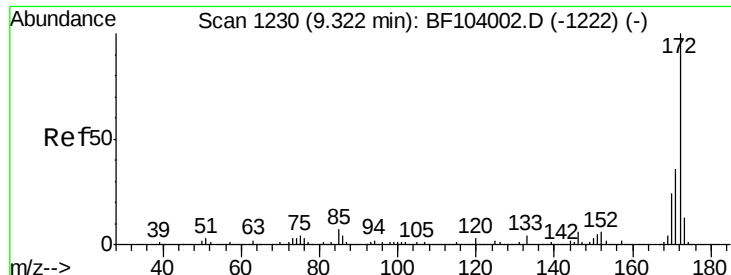
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#41
 2,4,6-Tribromophenol
 Concen: 0.277 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: BF104219.D
 Acq: 4 Apr 2018 10:39

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	77.0	115.6#
141	23.3	29.9	44.9#





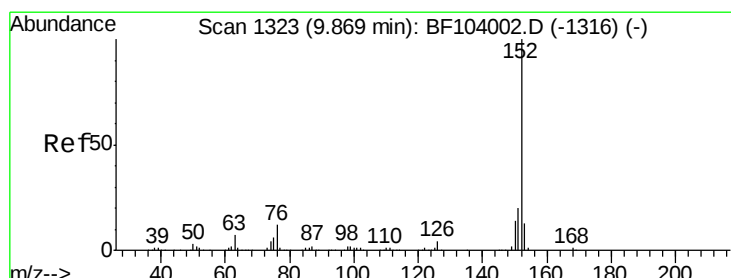
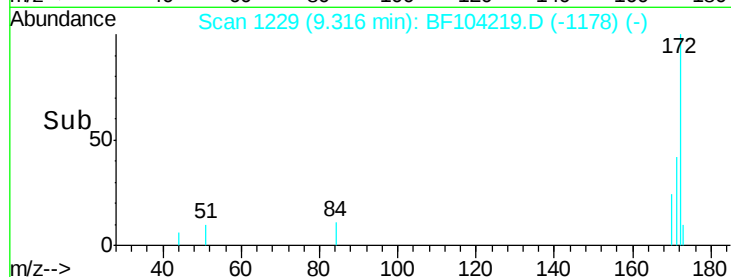
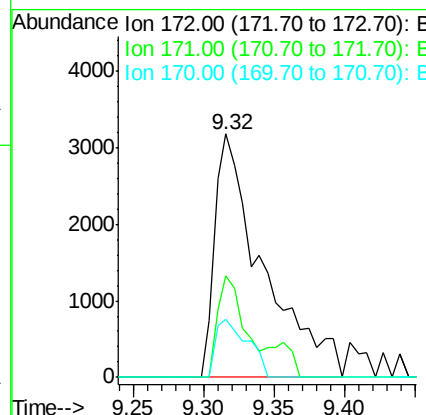
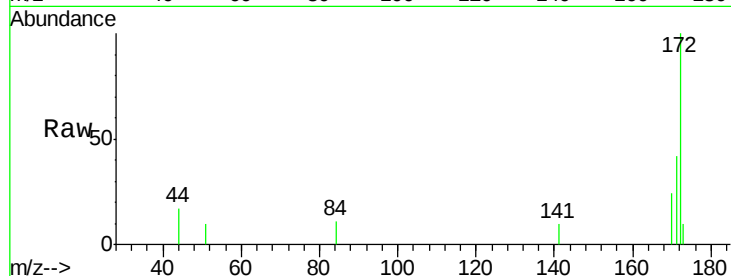
#44
2-Fluorobiphenyl
Concen: 0.554 ng
RT: 9.32 min Scan# 1229
Delta R.T. -0.00 min
Lab File: BF104219.D
Acq: 4 Apr 2018 10:39

Instrument :
BNA_F
ClientSampleId :
A2_SB30_N_8DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	41.8	29.7	44.5
170	23.6	19.6	29.4

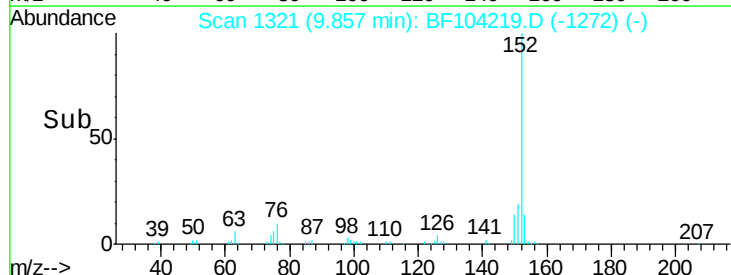
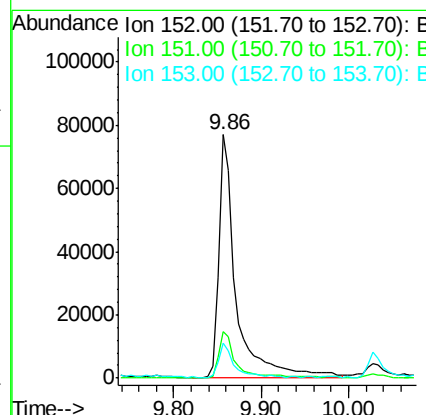
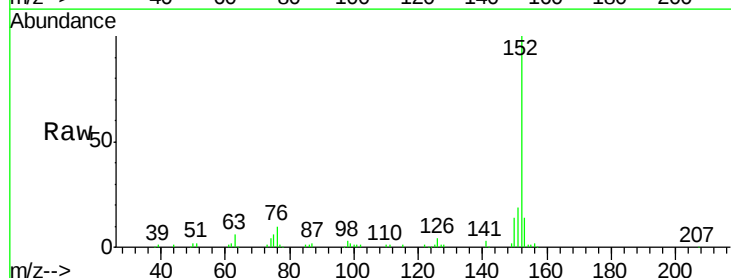
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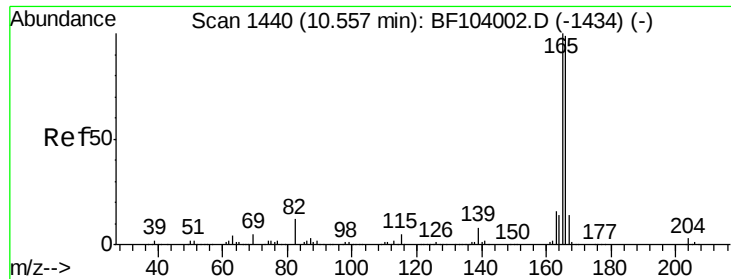
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#48
Acenaphthylene
Concen: 4.838 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BF104219.D
Acq: 4 Apr 2018 10:39

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.0	16.3	24.5
153	14.2	10.7	16.1





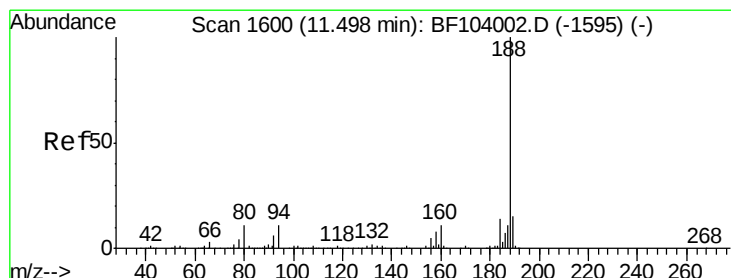
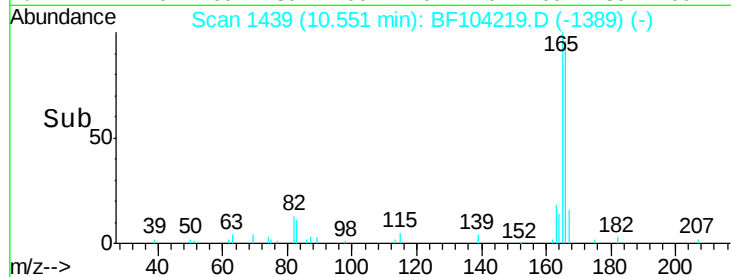
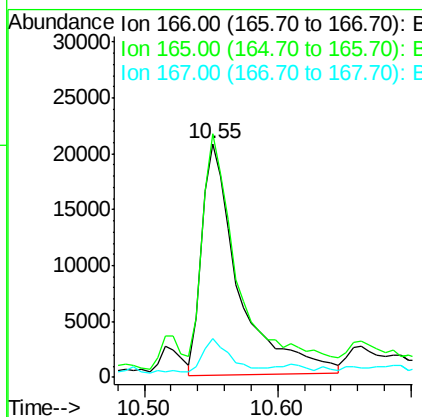
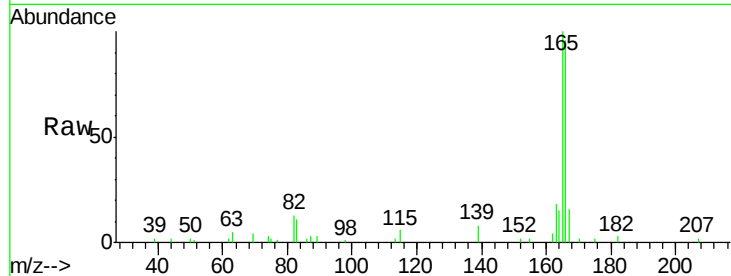
#57
Fluorene
 Concen: 2.573 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF104219.D
 Acq: 4 Apr 2018 10:39

Instrument :
 BNA_F
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Tot Ion	Ratio	Lower	Upper
166	100		
165	104.2	79.8	119.8
167	16.8	10.6	16.0

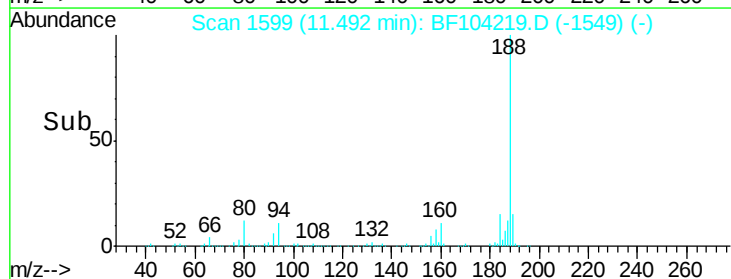
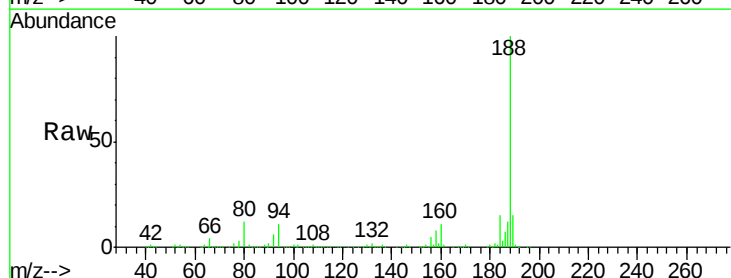
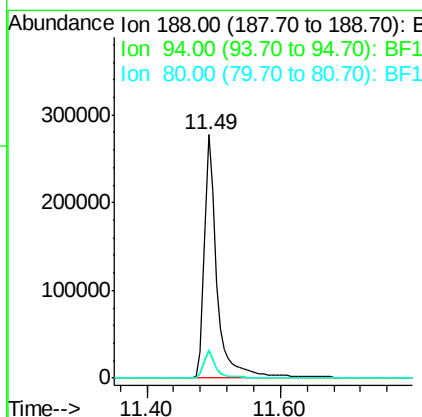
Manual Integrations
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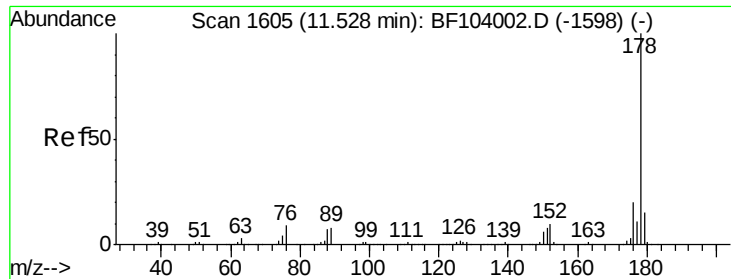
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: BF104219.D
 Acq: 4 Apr 2018 10:39

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.2	8.5	12.7
80	11.5	9.2	13.8





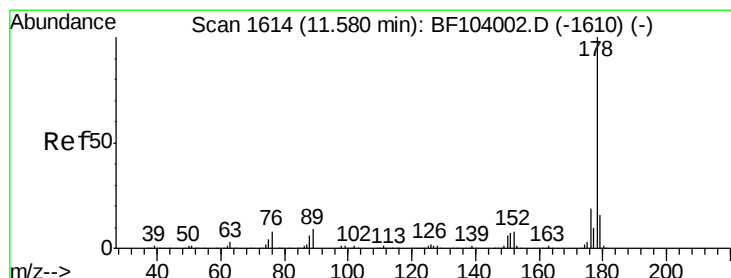
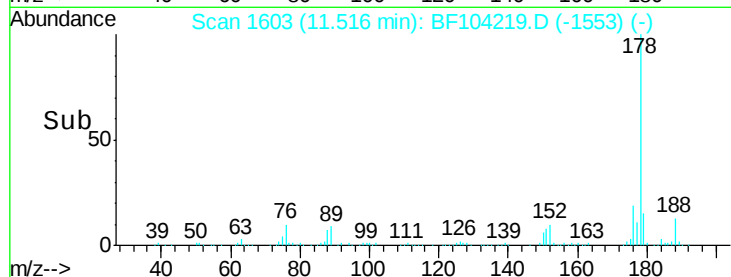
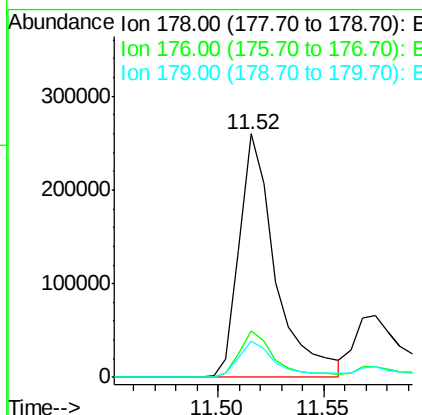
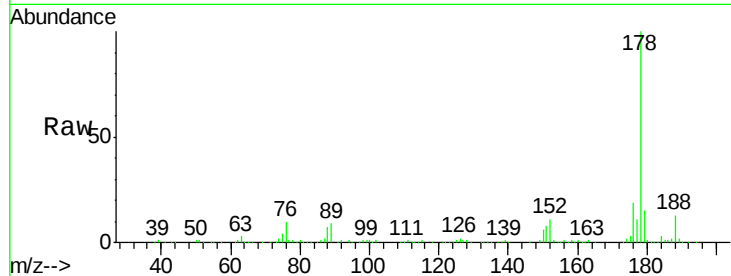
#70
Phenanthrene
Concen: 15.526 ng
RT: 11.52 min Scan# 1603
Delta R.T. -0.01 min
Lab File: BF104219.D
Acq: 4 Apr 2018 10:39

Instrument :
BNA_F
ClientSampleId :
A2_SB30_N_8DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	15.1	13.0	19.6

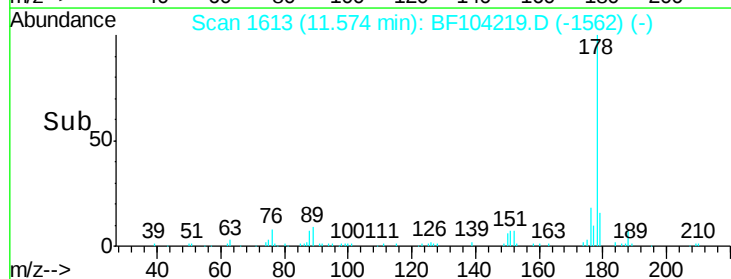
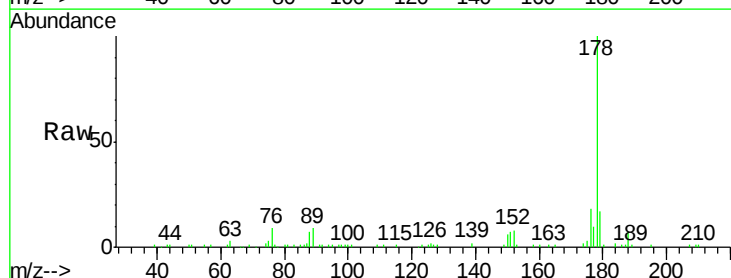
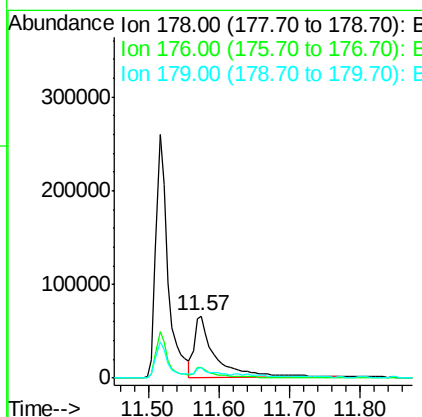
Manual Integrations
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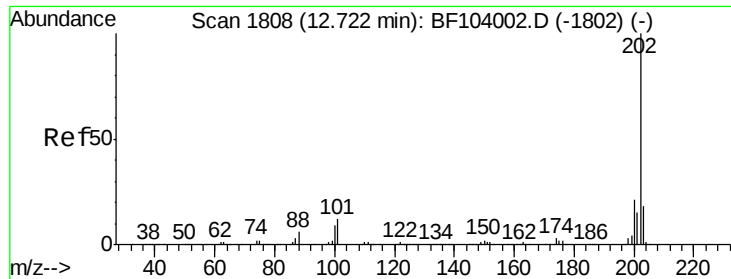
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#71
Anthracene
Concen: 6.627 ng
RT: 11.57 min Scan# 1613
Delta R.T. -0.00 min
Lab File: BF104219.D
Acq: 4 Apr 2018 10:39

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.4	23.2
179	17.1	12.6	19.0





#74

Fluoranthene

Concen: 22.826 ng

RT: 12.71 min Scan# 1806

Delta R.T. -0.01 min

Lab File: BF104219.D

Acq: 4 Apr 2018 10:39

Instrument :

BNA_F

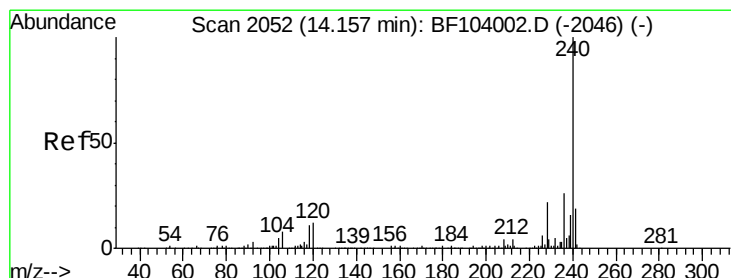
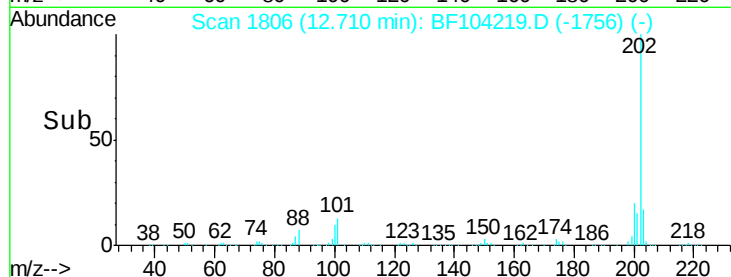
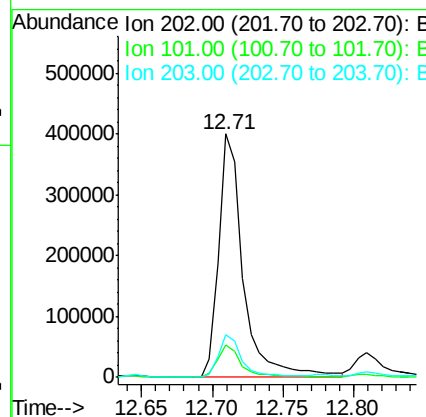
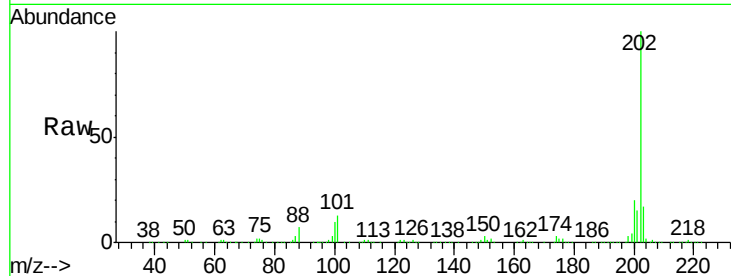
ClientSampleId :

A2_SB30_N_8DL

Tot Ion	Ratio	Resp	Lower	Upper
202	100	483670		
101	13.4	0.0	34.1	
203	17.5	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.000 ng

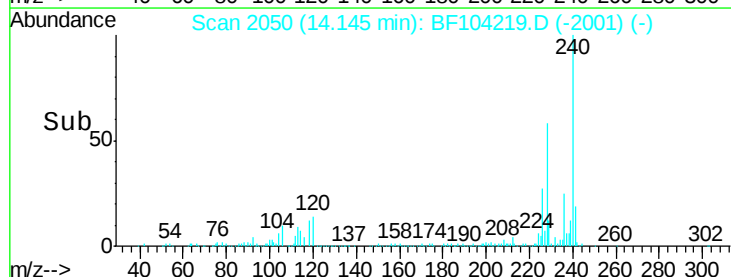
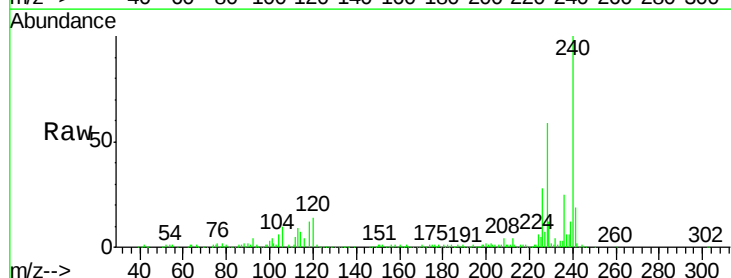
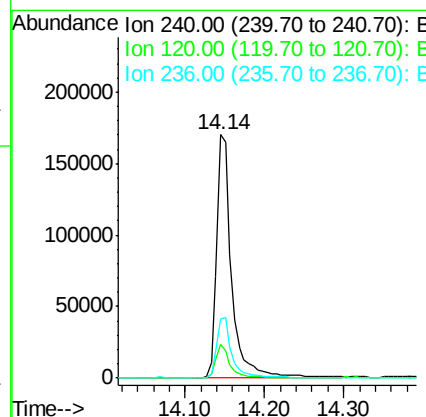
RT: 14.14 min Scan# 2050

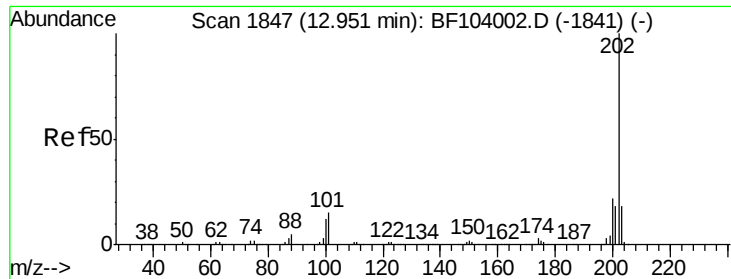
Delta R.T. -0.01 min

Lab File: BF104219.D

Acq: 4 Apr 2018 10:39

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	225387		
120	14.0	9.5	14.3	
236	24.5	20.7	31.1	





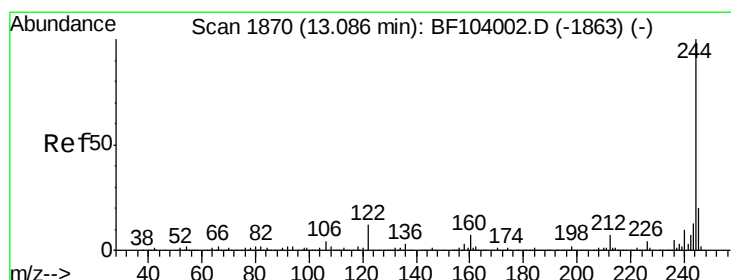
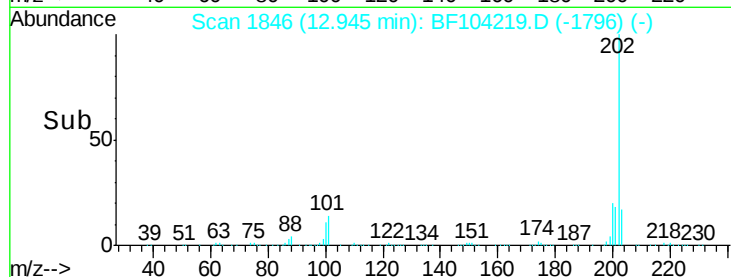
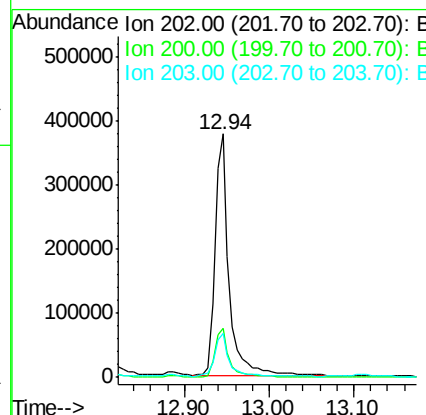
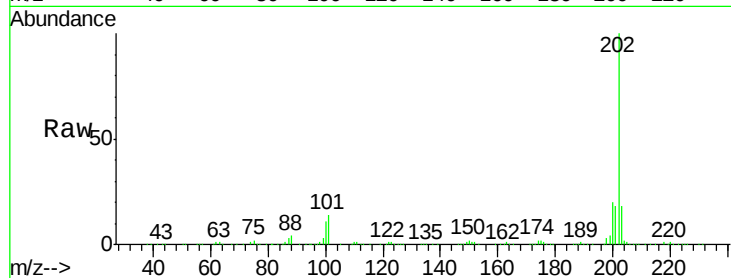
#77
Pvrene
Concen: 26.945 ng
RT: 12.94 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF104219.D
Acq: 4 Apr 2018 10:39

Instrument :
BNA_F
ClientSampleId :
A2_SB30_N_8DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.4	26.2
203	17.9	14.3	21.5

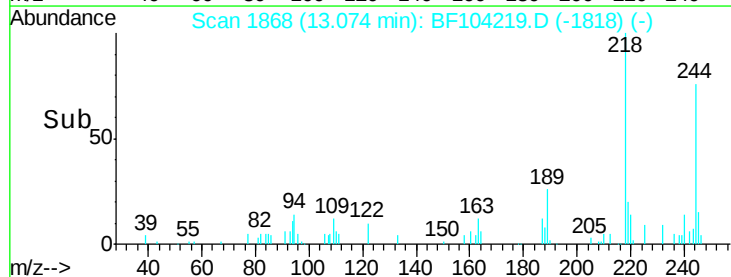
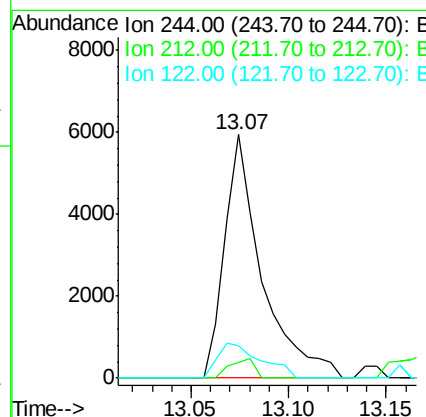
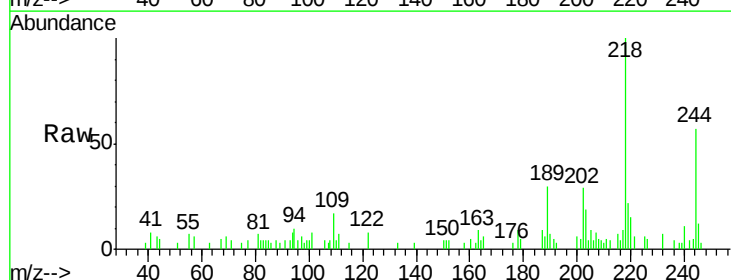
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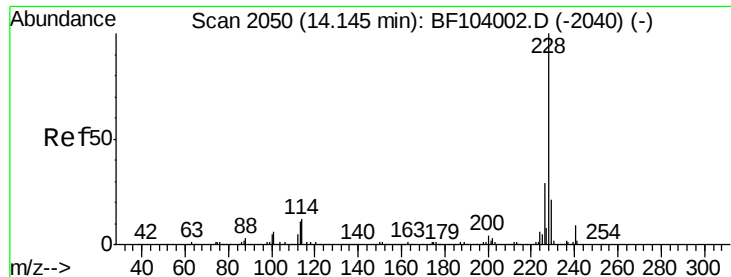
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#78
Terphenyl-d14
Concen: 0.807 ng
RT: 13.07 min Scan# 1868
Delta R.T. -0.01 min
Lab File: BF104219.D
Acq: 4 Apr 2018 10:39

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.4	8.0
122	13.4	11.0	16.4





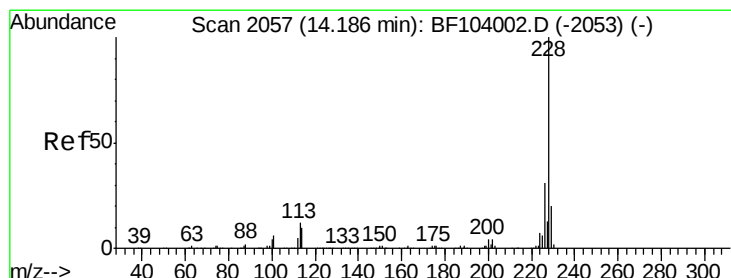
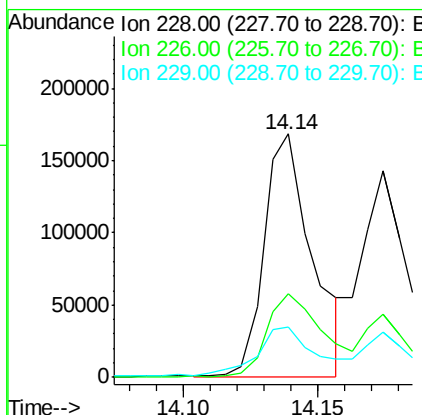
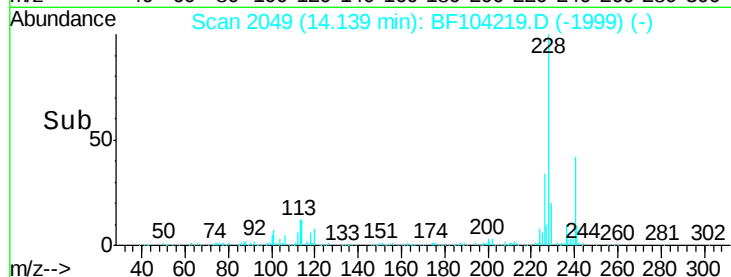
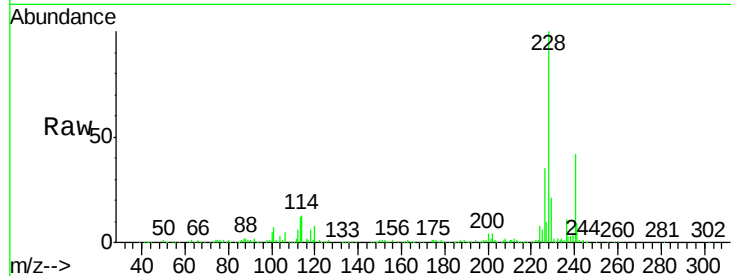
#80
Benzo(a)anthracene
Concen: 14.924 ng
RT: 14.14 min Scan# 2049
Delta R.T. -0.01 min
Lab File: BF104219.D
Acq: 4 Apr 2018 10:39

Instrument :
BNA_F
ClientSampleId :
A2_SB30_N_8DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	34.5	22.6	33.8#
229	20.7	15.8	23.6

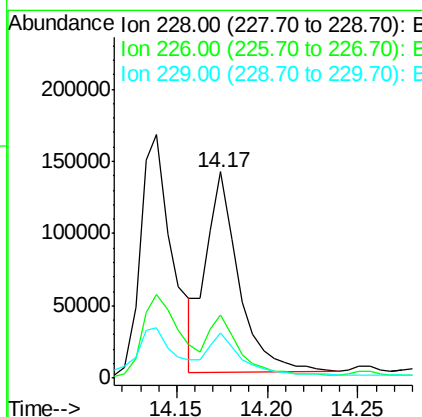
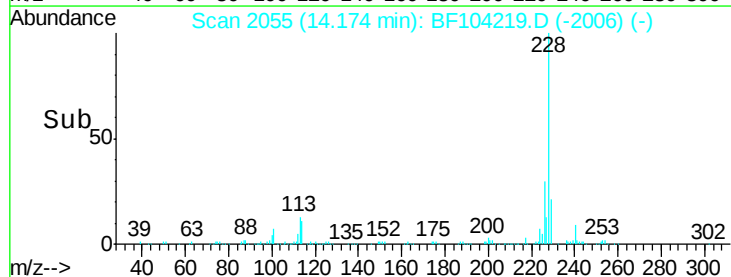
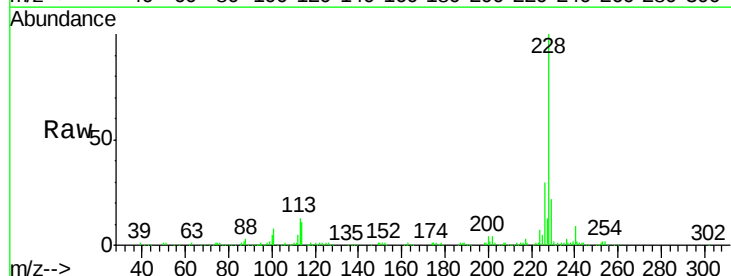
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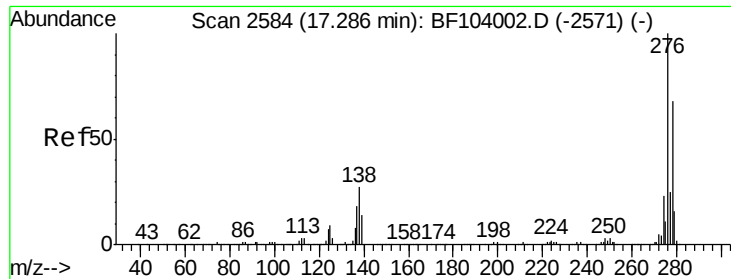
Sohil
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#82
Chrysene
Concen: 12.682 ng
RT: 14.17 min Scan# 2055
Delta R.T. -0.01 min
Lab File: BF104219.D
Acq: 4 Apr 2018 10:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.0	37.6
229	21.7	16.2	24.4





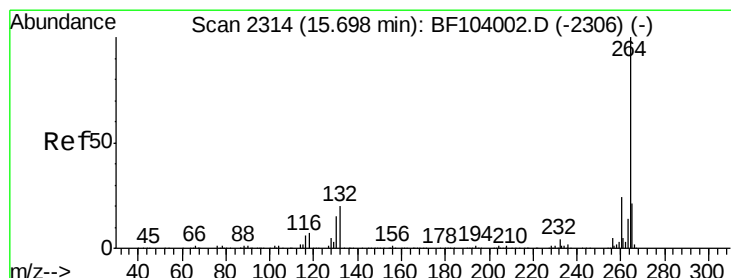
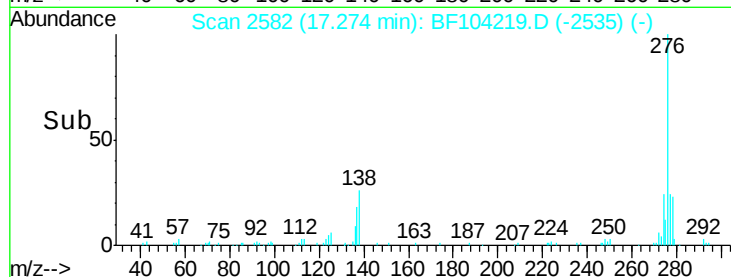
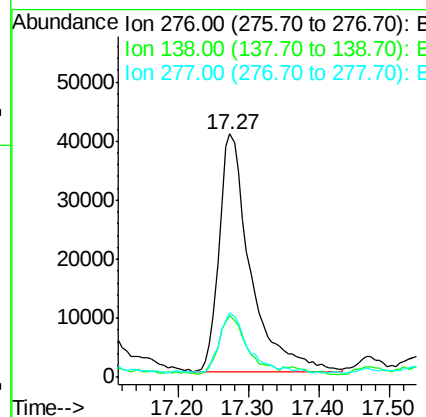
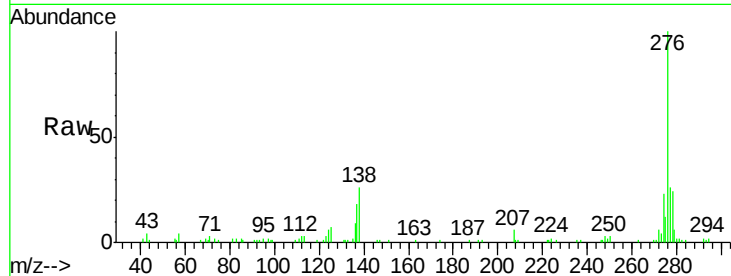
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.628 ng
 RT: 17.27 min Scan# 2582
 Delta R.T. -0.02 min
 Lab File: BF104219.D
 Acq: 4 Apr 2018 10:39

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB30_N_8DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.4	25.0	37.6#
277	23.4	20.1	30.1

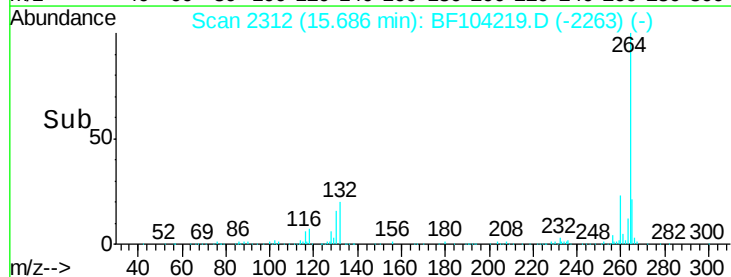
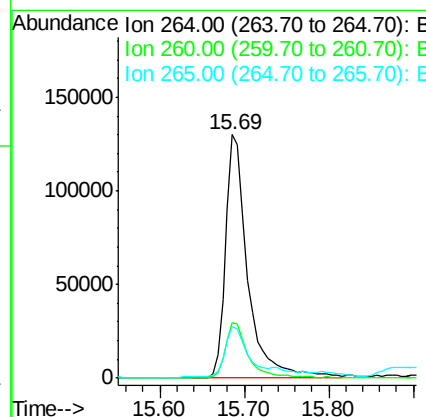
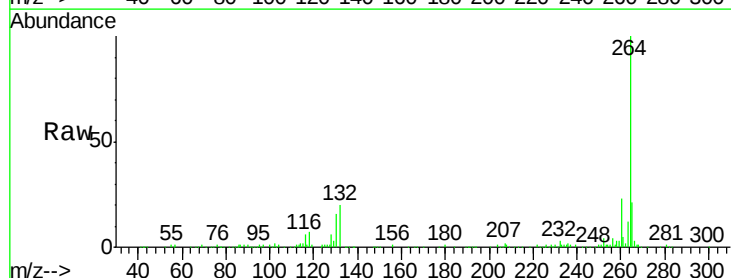
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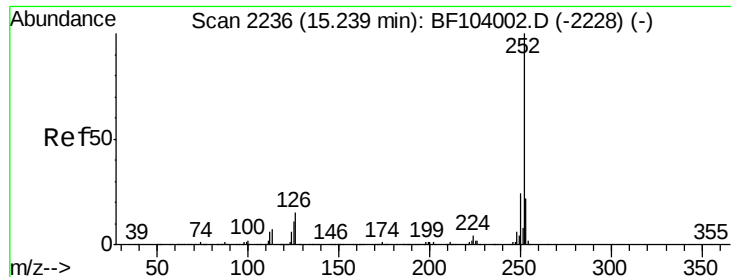
Sohil
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2312
 Delta R.T. -0.01 min
 Lab File: BF104219.D
 Acq: 4 Apr 2018 10:39

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	21.4	17.5	26.3





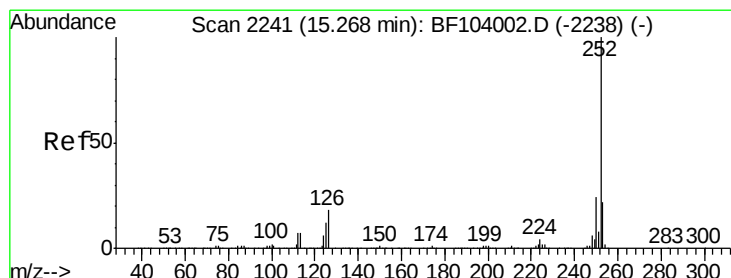
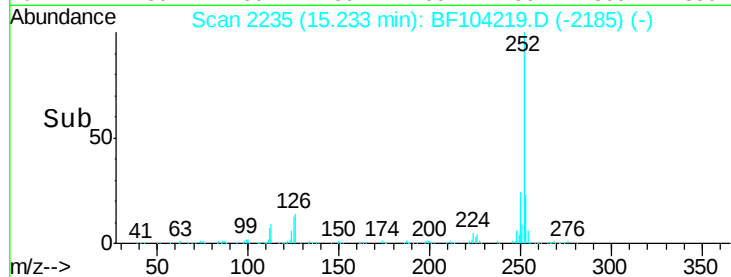
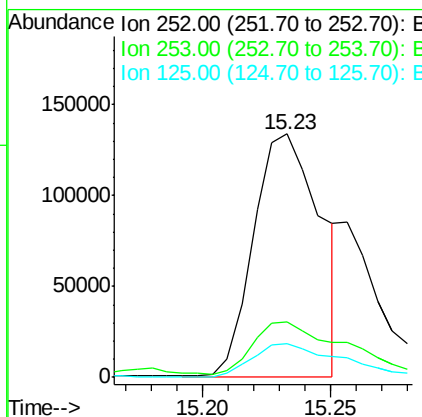
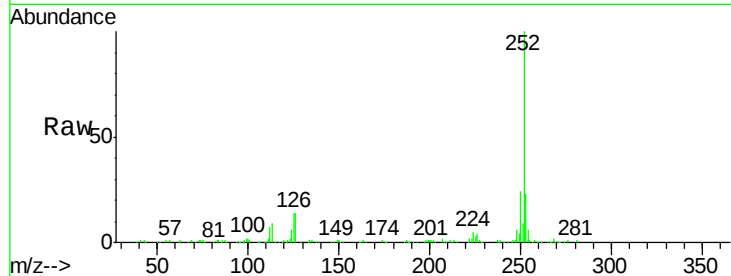
#87
Benzo(b)fluoranthene
Concen: 16.938 ng m
RT: 15.23 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF104219.D
Acq: 4 Apr 2018 10:39

Instrument :
BNA_F
ClientSampleId :
A2_SB30_N_8DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	13.7	9.0	13.6

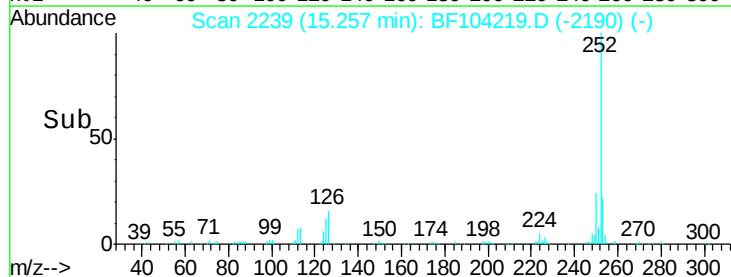
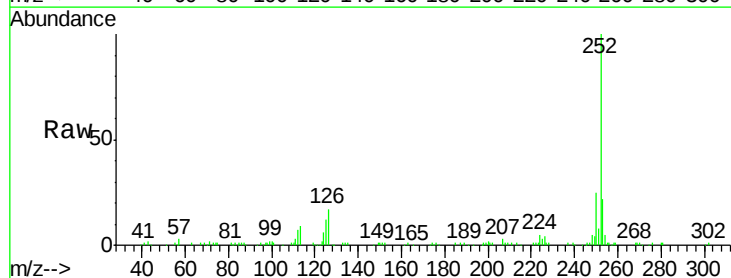
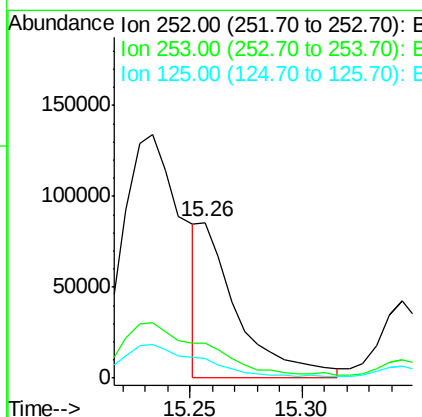
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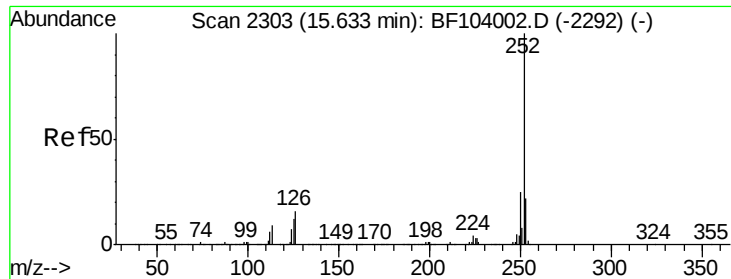
Sohil
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#88
Benzo(k)fluoranthene
Concen: 7.489 ng m
RT: 15.26 min Scan# 2239
Delta R.T. -0.01 min
Lab File: BF104219.D
Acq: 4 Apr 2018 10:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.9	26.9
125	12.3	10.2	15.2





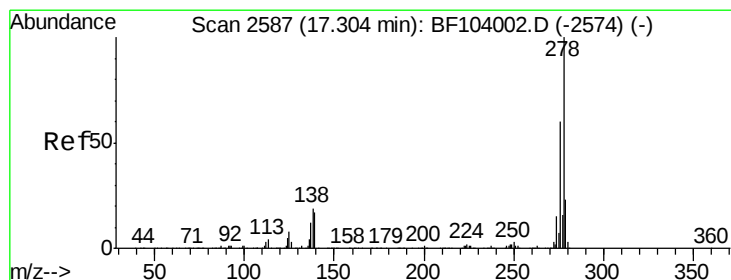
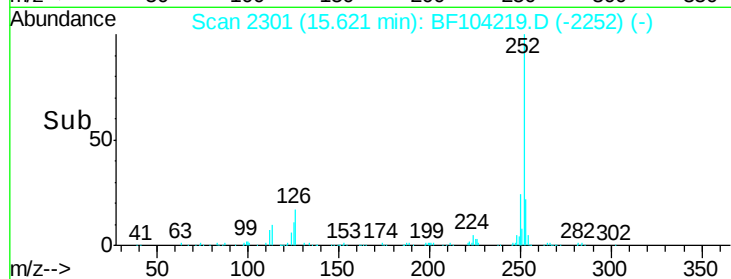
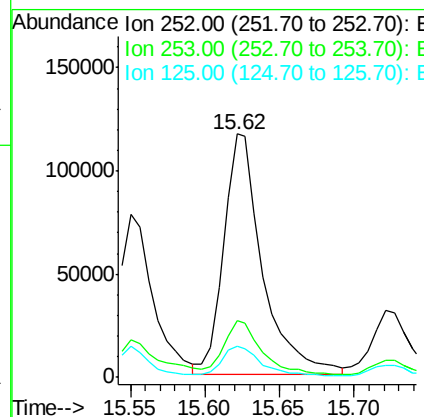
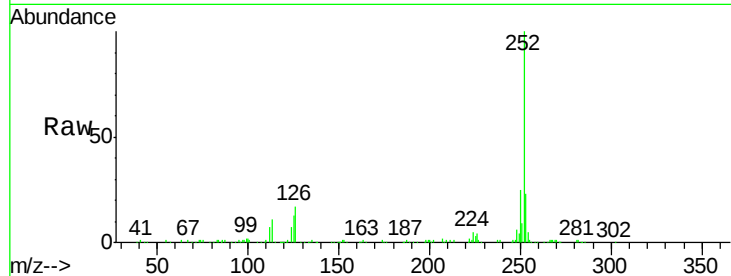
#89
Benzo(a)pyrene
Concen: 15.813 ng
RT: 15.62 min Scan# 2301
Delta R.T. -0.01 min
Lab File: BF104219.D
Acq: 4 Apr 2018 10:39

Instrument :
BNA_F
ClientSampleId :
A2_SB30_N_8DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	12.9	9.8	14.6

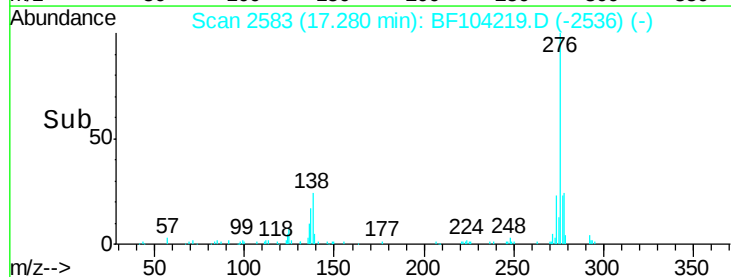
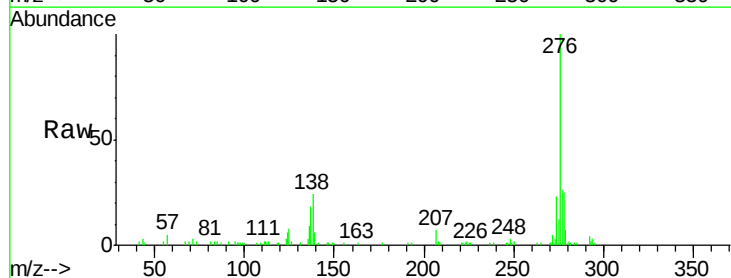
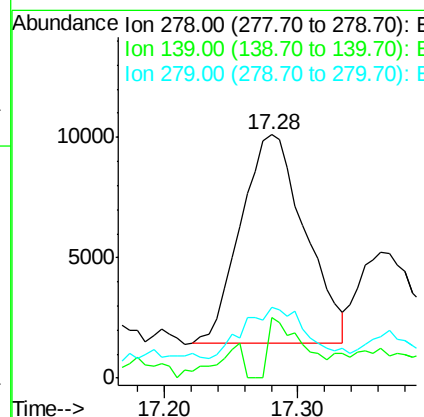
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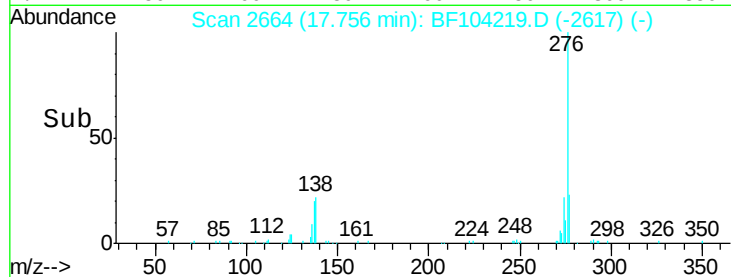
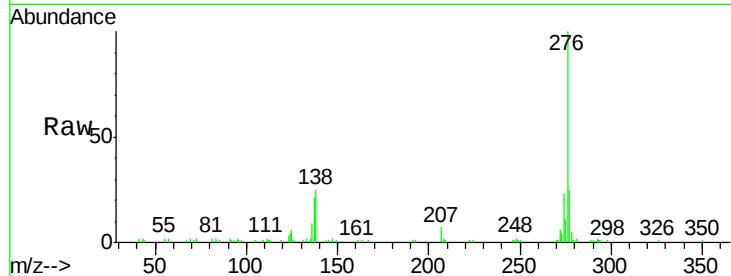
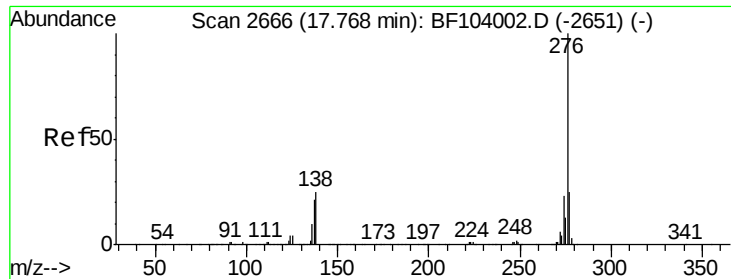
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 2.321 ng
RT: 17.28 min Scan# 2583
Delta R.T. -0.02 min
Lab File: BF104219.D
Acq: 4 Apr 2018 10:39

Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.0	15.9	23.9#
279	29.3	19.0	28.4#





#91
 Benzo(a,h,i)perylene
 Concen: 9.194 ng
 RT: 17.76 min Scan# 2664
 Delta R.T. -0.02 min
 Lab File: BF104219.D
 Acq: 4 Apr 2018 10:39

Tot Ion:	276	Resp:	114507
Ion Ratio	Lower	Upper	
276	100		
277	24.7	17.9	26.9
138	24.5	21.8	32.8

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB30_N_8DL

Manual Integrations
 APPROVED

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 4/4/2018 4:10:30 PM

