

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
 Data File : BF104214.D
 Acq On : 4 Apr 2018 8:27
 Operator : JU/SJ
 Sample : J2176-03DL 2X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A2 SB52 W 8DL

Manual Integrations
 APPROVED

Sohil
 4/4/2018 4:10:16 PM

Quant Time: Apr 04 10:52:37 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	114499	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	516545	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	243616	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	424614	20.00	ng	0.00
75) Chrysene-d12	14.15	240	251060	20.00	ng	0.00
86) Perylene-d12	15.69	264	247006	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	236719	32.97	ng	0.00
7) Phenol-d6	6.59	99	380845	43.11	ng	-0.01
23) Nitrobenzene-d5	7.53	82	238122	28.19	ng	0.00
41) 2,4,6-Tribromophenol	10.79	330	90390	33.32	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	472489	30.58	ng	0.00
78) Terphenyl-d14	13.07	244	386100	35.51	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.26	128	59212	2.346	ng	99
48) Acenaphthylene	9.86	152	52523	2.102	ng	98
49) Dimethylphthalate	9.70	163	40558	2.109	ng	99
70) Phenanthrene	11.52	178	253377	11.022	ng	98
71) Anthracene	11.57	178	146402	6.097	ng	99
74) Fluoranthene	12.72	202	1239376	50.719	ng	99
77) Pyrene	12.95	202	1019574	56.493	ng	99
80) Benzo(a)anthracene	14.14	228	558051	35.524	ng	97
82) Chrysene	14.17	228	419665	27.275	ng	99
85) Indeno(1,2,3-cd)pyrene	17.28	276	225359	14.134	ng	# 88
87) Benzo(b)fluoranthene	15.23	252	484046m	32.200	ng	
88) Benzo(k)fluoranthene	15.26	252	254153m	17.948	ng	
89) Benzo(a)pyrene	15.63	252	412940	29.643	ng	96
90) Dibenzo(a,h)anthracene	17.29	278	51600m	4.006	ng	
91) Benzo(a,h,i)perylene	17.76	276	189132	14.661	ng	94

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

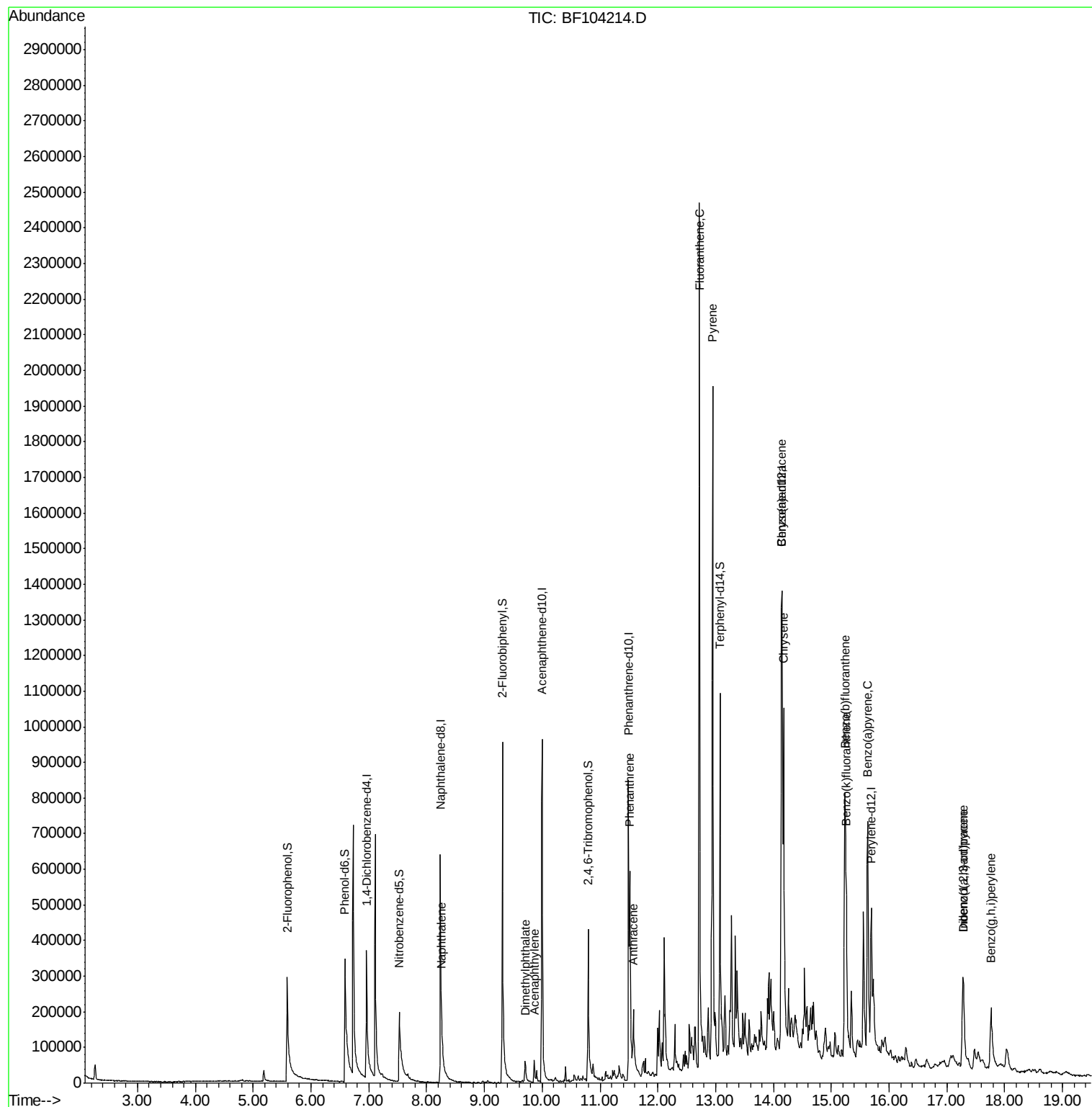
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
Data File : BF104214.D
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Sample : J2176-03DL 2X
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Instrument :
BNA_F
ClientSampled :
A2 SB52 W 8DL

Manual Integrations
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Quant Time: Apr 04 10:52:37 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

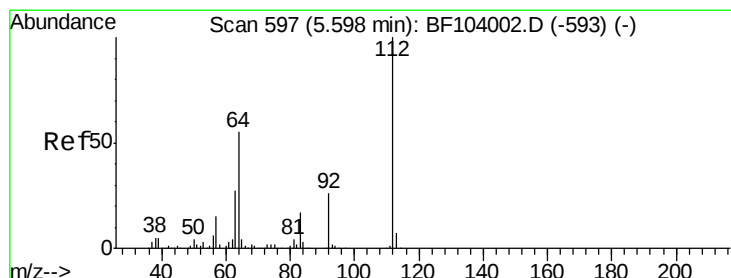
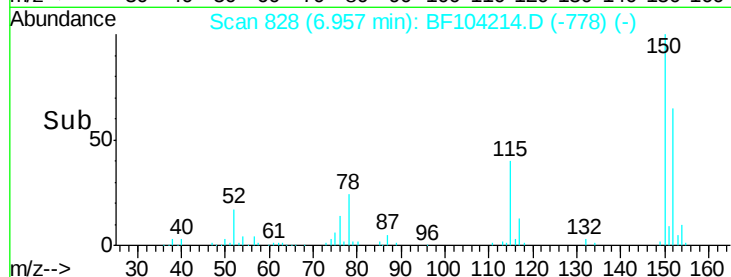
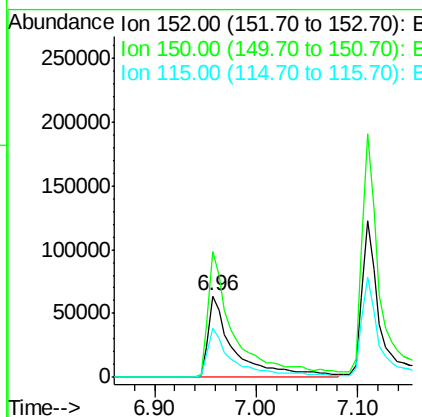
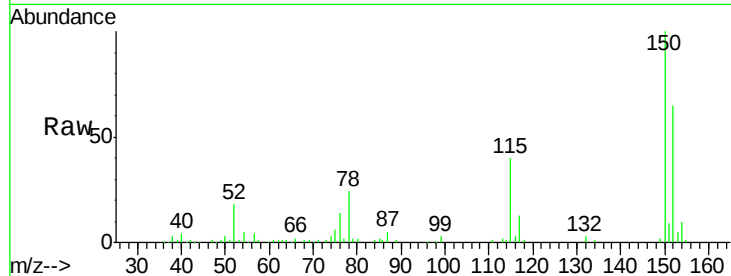
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF104214.D
Acq: 4 Apr 2018 8:27

Instrument :
BNA_F
ClientSampleId :
A2_SB52_W_8DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.5	124.6	186.8
115	61.2	50.1	75.1

Manual Integrations
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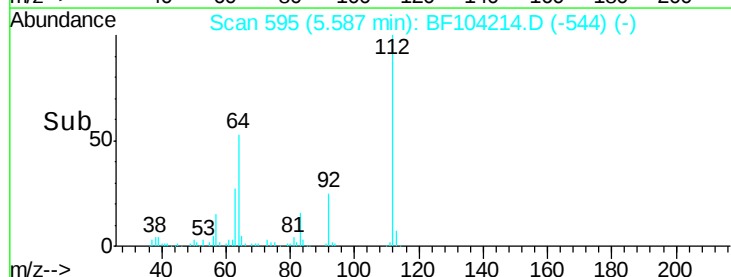
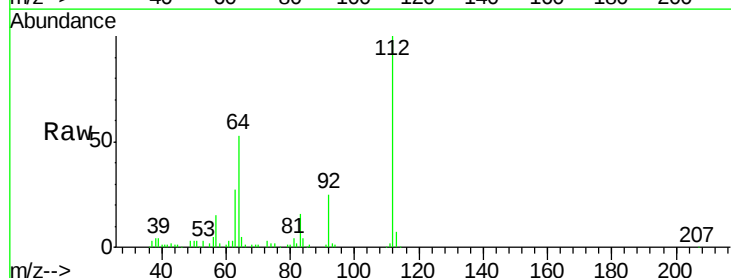
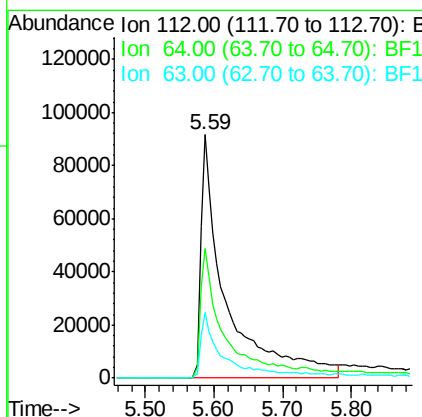
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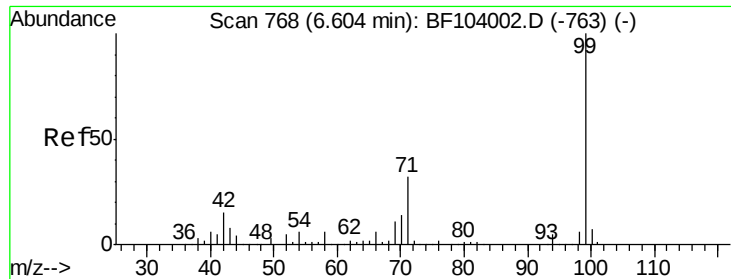


#5

2-Fluorophenol
Concen: 32.970 ng
RT: 5.59 min Scan# 595
Delta R.T. 0.00 min
Lab File: BF104214.D
Acq: 4 Apr 2018 8:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.3	47.9	71.9
63	26.9	23.7	35.5





#7

Phenol-d6

Concen: 43.115 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.01 min

Lab File: BF104214.D

Acq: 4 Apr 2018 8:27

Instrument :

BNA_F

ClientSampled :

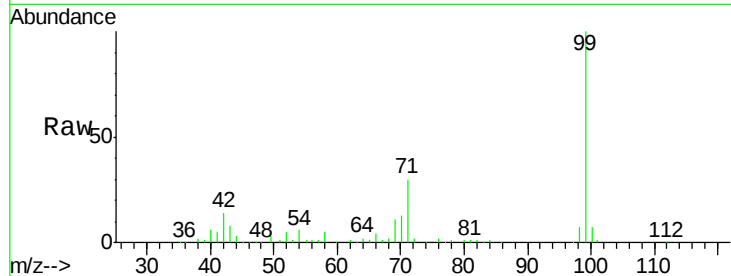
A2_SB52_W_8DL

Tot Ion: 99 Resp: 380845

Ion	Ratio	Lower	Upper
99	100		
42	13.6	14.5	21.7#
71	30.4	25.4	38.0

Manual Integrations
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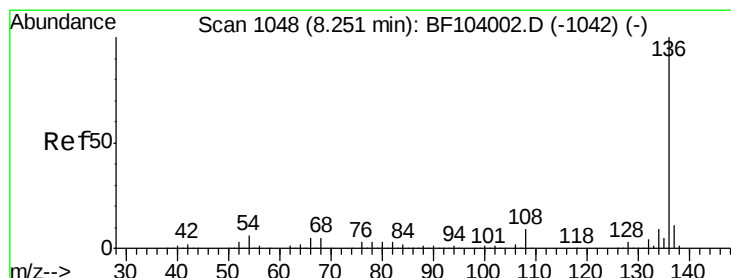
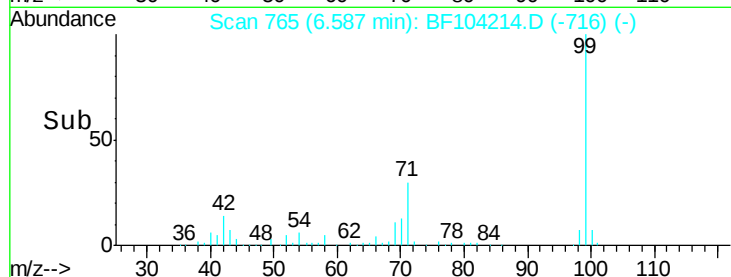
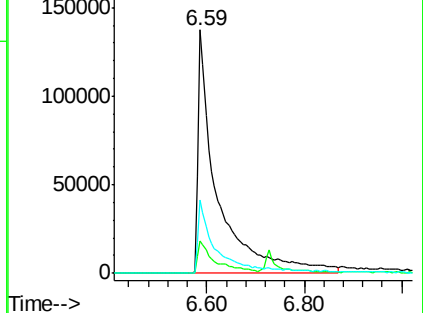
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BF104214.D

Acq: 4 Apr 2018 8:27

Tgt Ion: 136 Resp: 516545

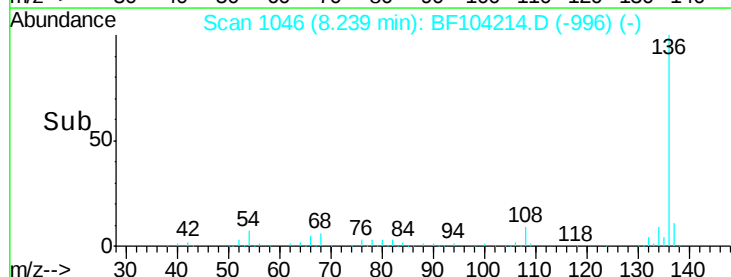
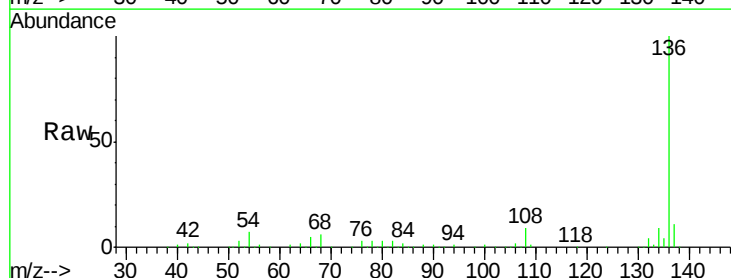
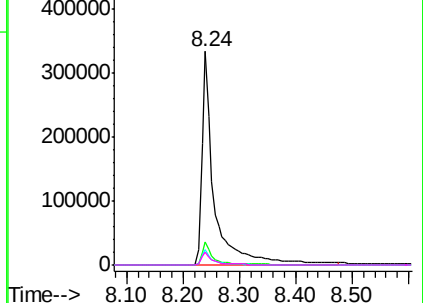
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.0	6.6	9.8
68	5.8	5.0	7.4

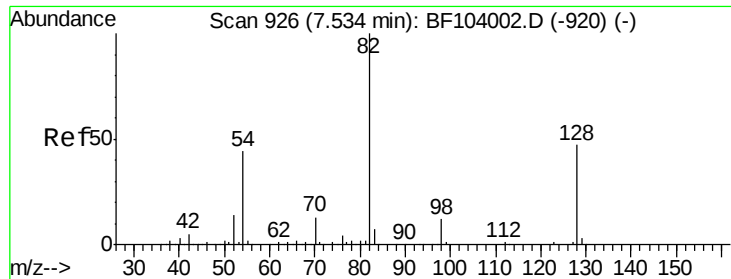
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





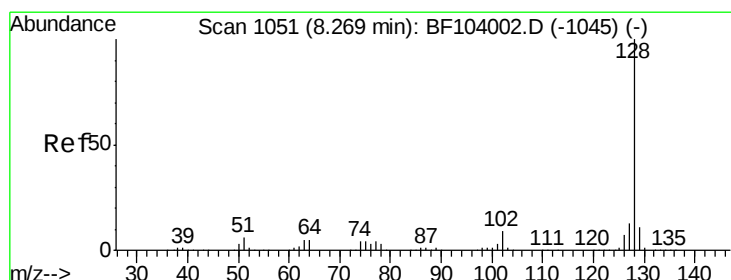
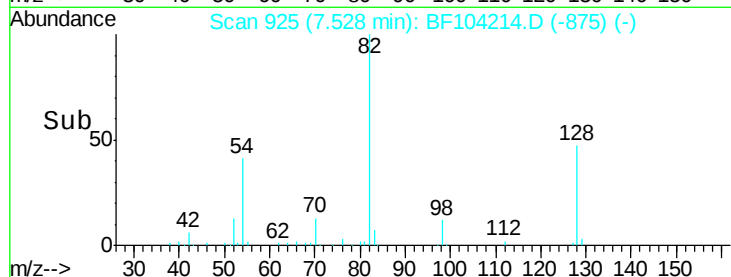
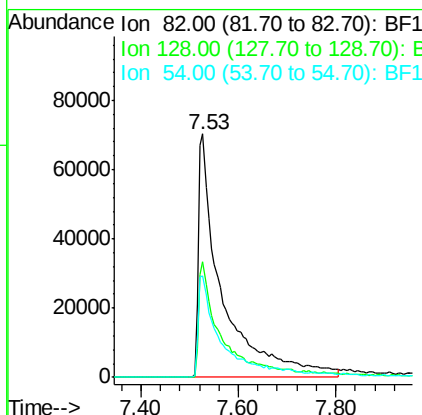
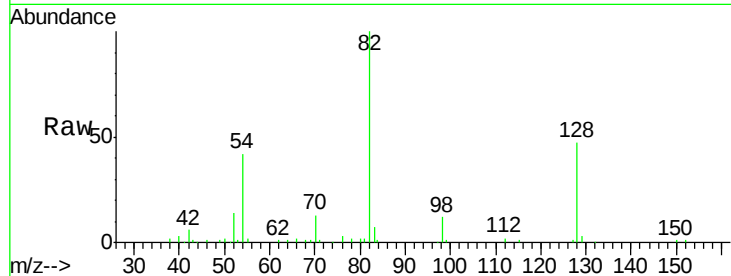
#23
Nitrobenzene-d5
Concen: 28.192 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.01 min
Lab File: BF104214.D
Acq: 4 Apr 2018 8:27

Instrument :
BNA_F
ClientSampleId :
A2_SB52_W_8DL

Tot Ion	82	Resp	238122
Ion Ratio	100	Lower	Upper
82	100		
128	47.2	36.1	54.1
54	41.6	41.4	62.2

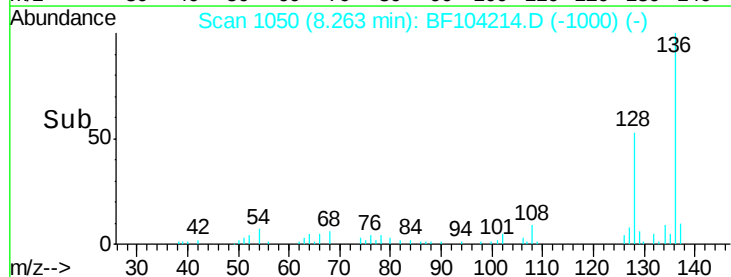
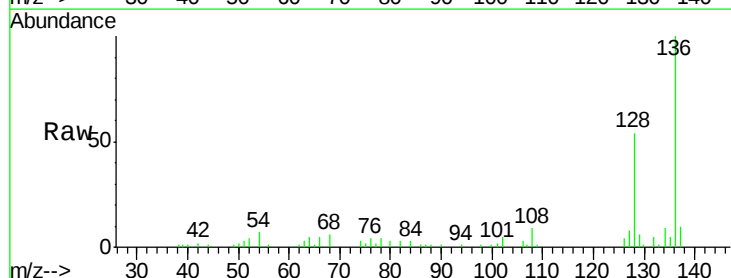
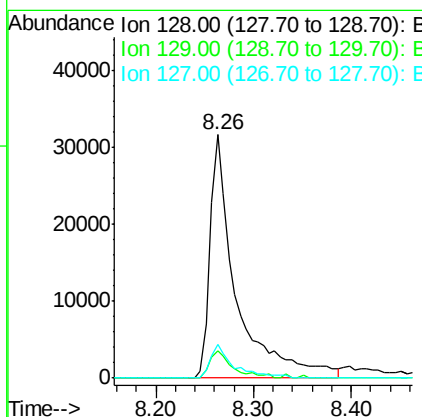
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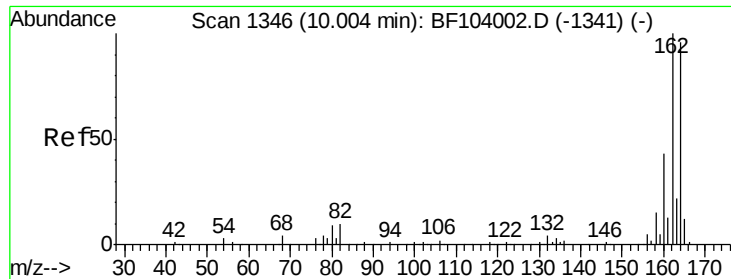
Sohil
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#31
Naphthalene
Concen: 2.346 ng
RT: 8.26 min Scan# 1050
Delta R.T. -0.01 min
Lab File: BF104214.D
Acq: 4 Apr 2018 8:27

Tgt Ion	128	Resp	59212
Ion Ratio	100	Lower	Upper
128	100		
129	11.5	8.8	13.2
127	14.0	10.9	16.3





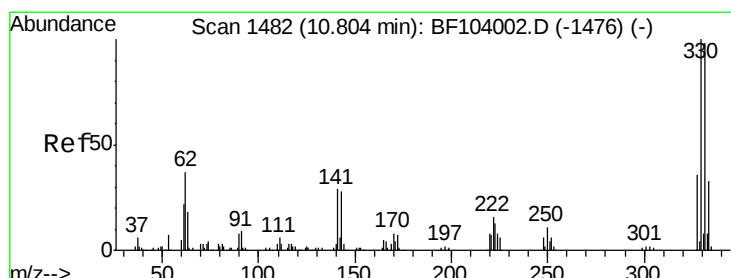
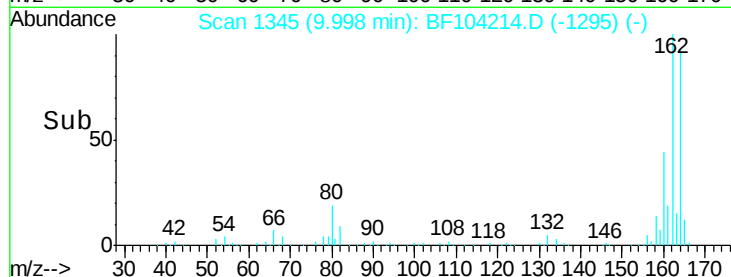
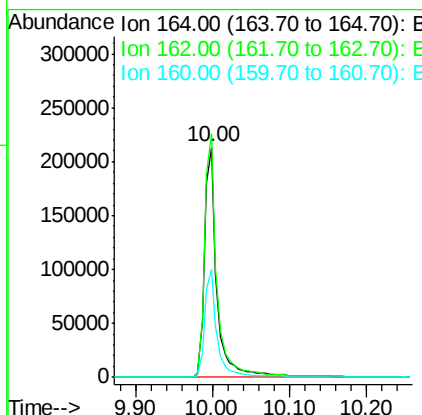
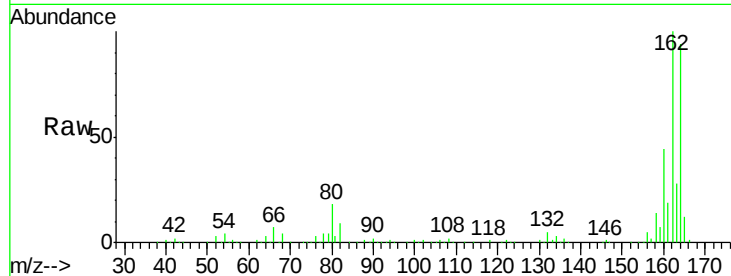
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1345
 Delta R.T. -0.01 min
 Lab File: BF104214.D
 Acq: 4 Apr 2018 8:27

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB52_W_8DL

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	105.9	86.1	129.1	
160	46.8	38.3	57.5	

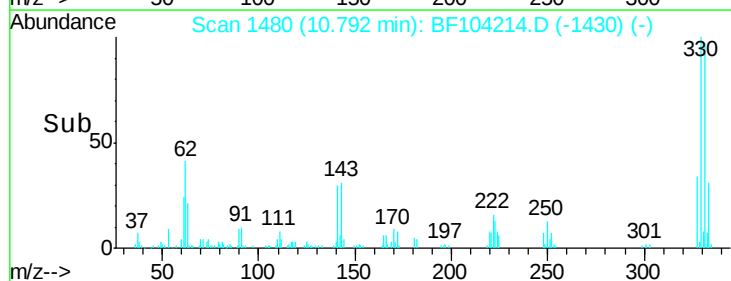
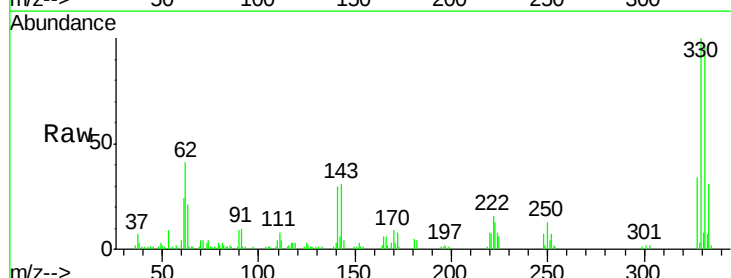
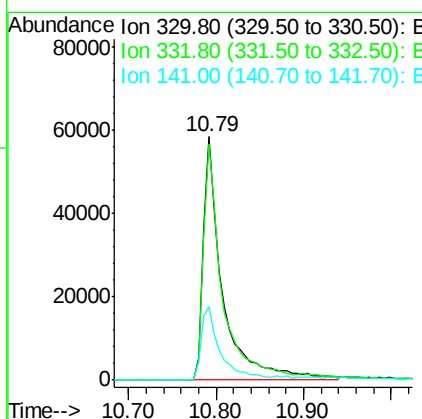
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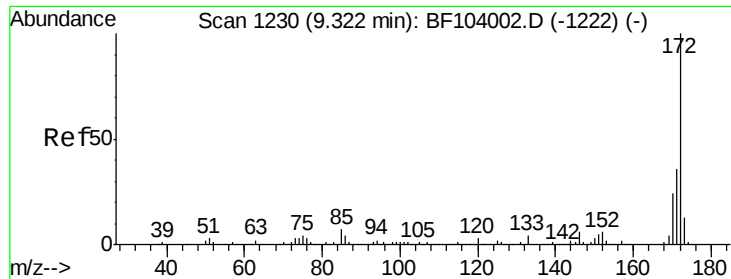
Sohil
 4/4/2018 4:10:16 PM



#41
 2,4,6-Tribromophenol
 Concen: 33.321 ng
 RT: 10.79 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: BF104214.D
 Acq: 4 Apr 2018 8:27

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	93.1	77.0	115.6	
141	29.7	29.9	44.9#	





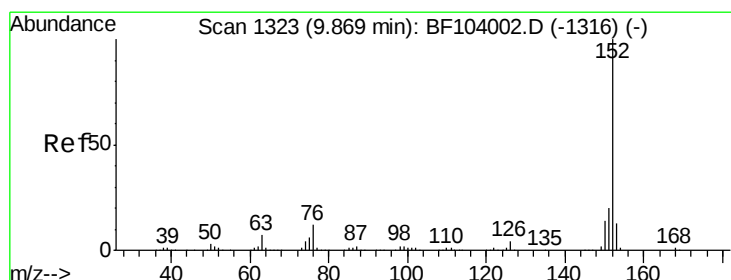
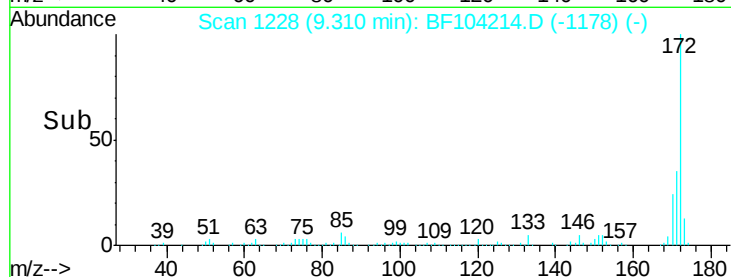
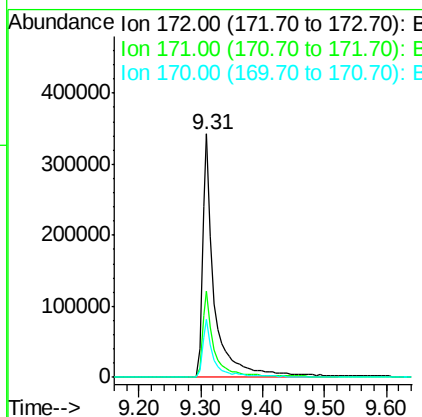
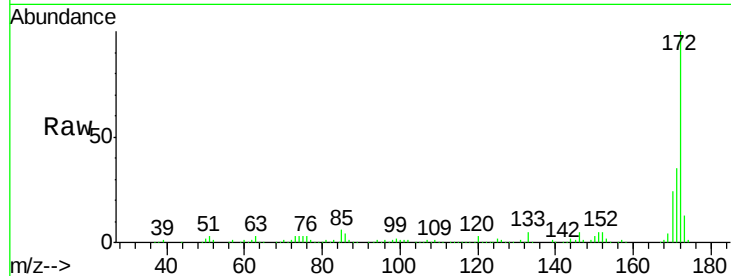
#44
2-Fluorobiphenyl
Concen: 30.584 ng
RT: 9.31 min Scan# 1228
Delta R.T. -0.01 min
Lab File: BF104214.D
Acq: 4 Apr 2018 8:27

Instrument :
BNA_F
ClientSampleId :
A2_SB52_W_8DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	23.8	19.6	29.4

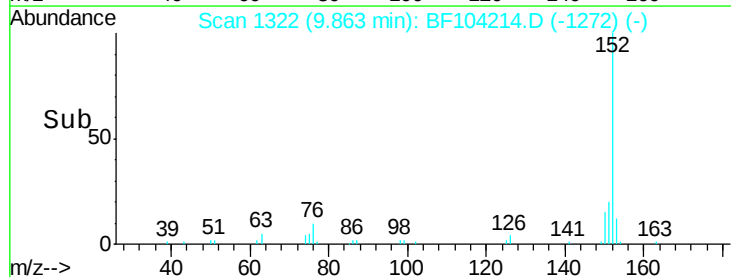
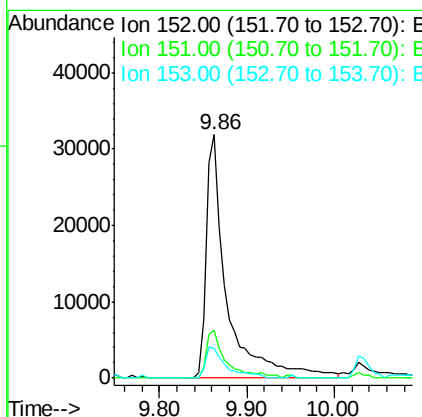
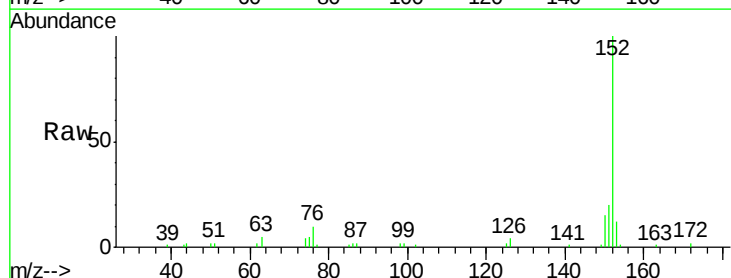
Manual Integrations
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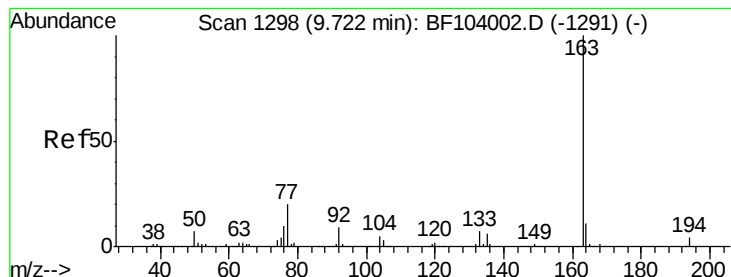
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#48
Acenaphthylene
Concen: 2.102 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF104214.D
Acq: 4 Apr 2018 8:27

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.3	24.5
153	12.4	10.7	16.1





#49

Dimethylphthalate

Concen: 2.109 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BF104214.D

Acq: 4 Apr 2018 8:27

Instrument :

BNA_F

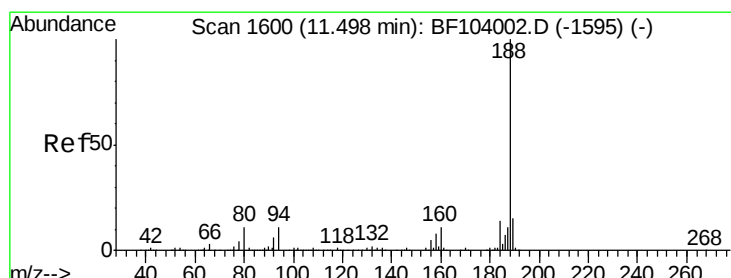
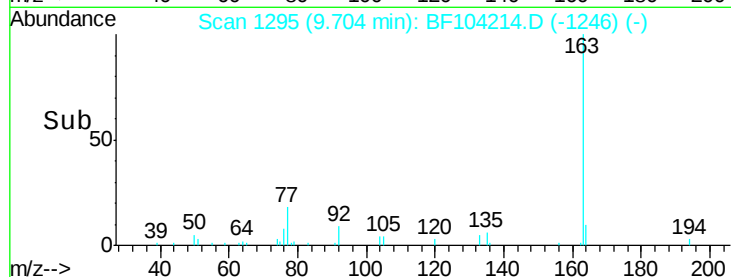
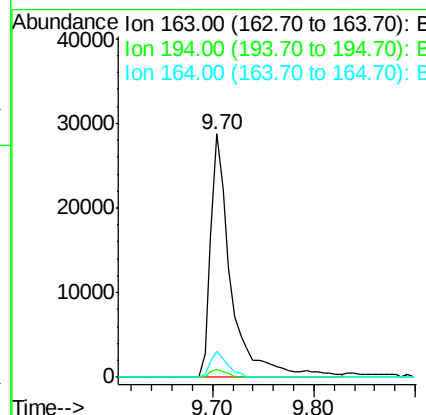
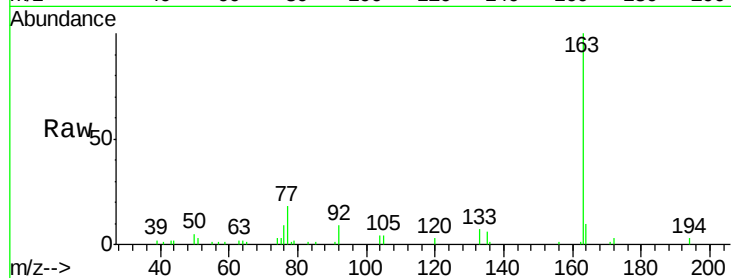
ClientSampleId :

A2_SB52_W_8DL

Tot Ion:	163	Resp:	40558
Ion Ratio	Lower	Upper	
163	100		
194	3.4	2.7	4.1
164	10.5	8.2	12.2

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.000 ng

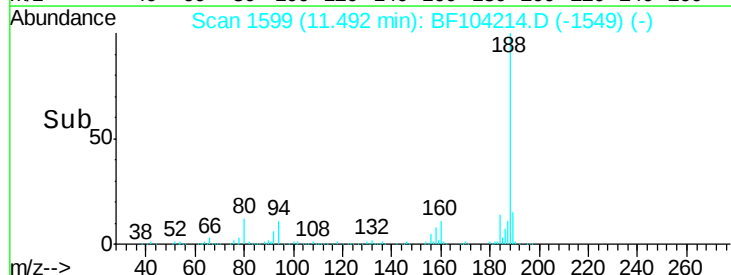
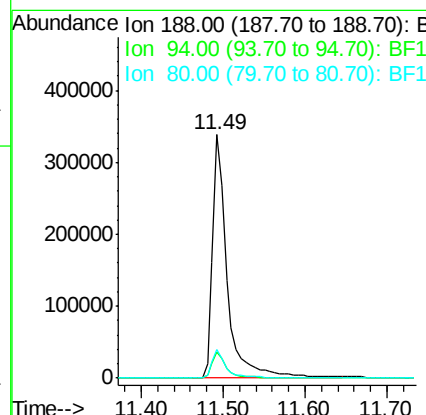
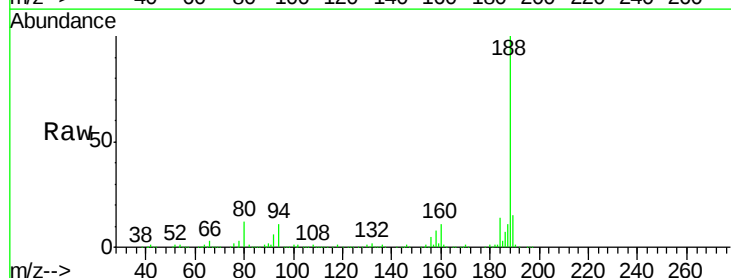
RT: 11.49 min Scan# 1599

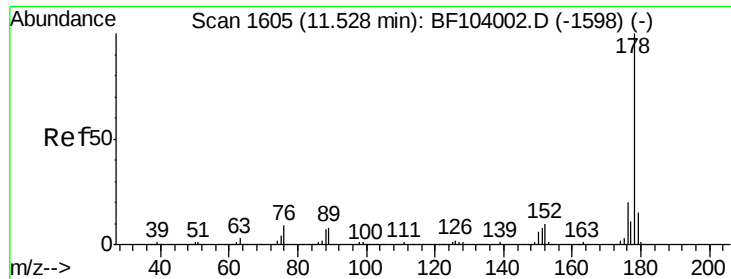
Delta R.T. -0.01 min

Lab File: BF104214.D

Acq: 4 Apr 2018 8:27

Tgt Ion:	188	Resp:	424614
Ion Ratio	Lower	Upper	
188	100		
94	10.7	8.5	12.7
80	11.9	9.2	13.8





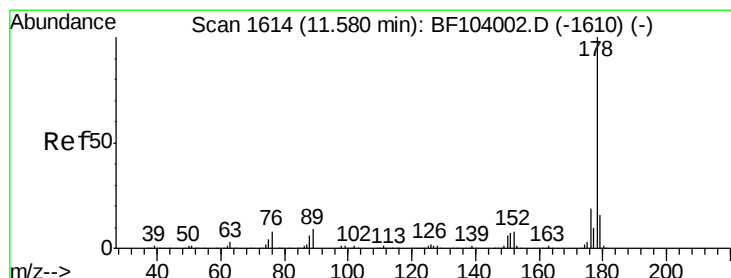
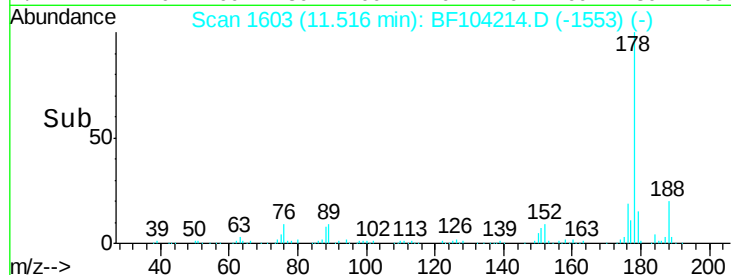
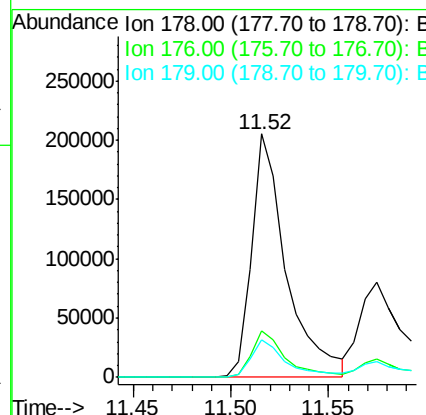
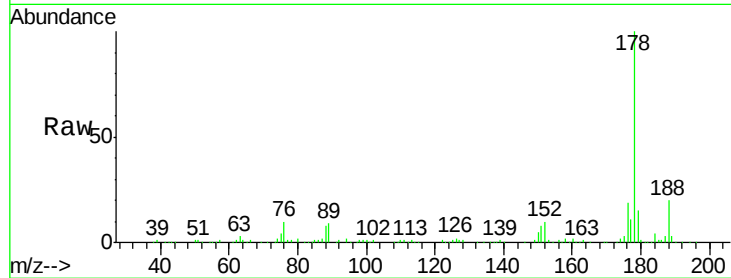
#70
Phenanthrene
Concen: 11.022 ng
RT: 11.52 min Scan# 1603
Delta R.T. -0.01 min
Lab File: BF104214.D
Acq: 4 Apr 2018 8:27

Instrument :
BNA_F
ClientSampleId :
A2_SB52_W_8DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	15.2	13.0	19.6

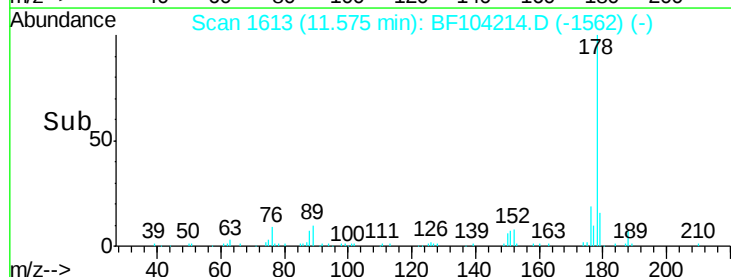
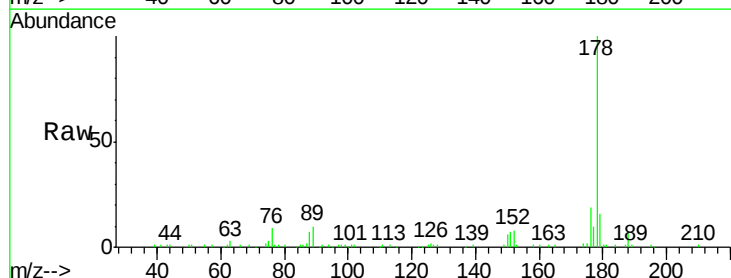
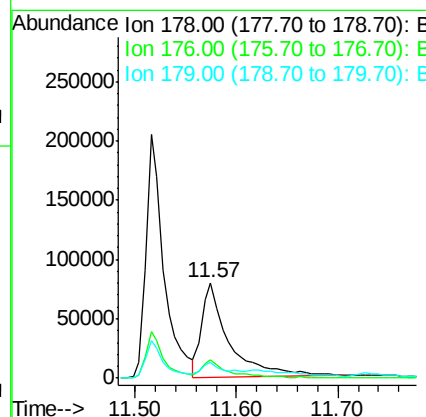
Manual Integrations
APPROVED

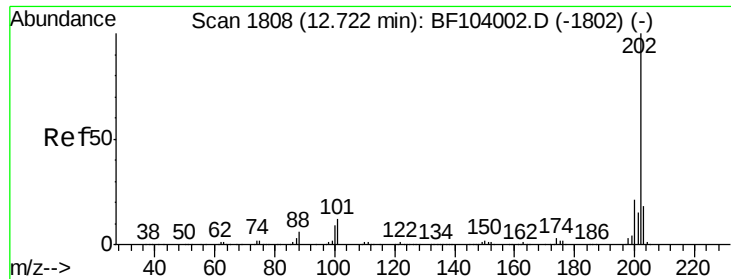
Sohil
4/4/2018 4:10:16 PM



#71
Anthracene
Concen: 6.097 ng
RT: 11.57 min Scan# 1613
Delta R.T. 0.00 min
Lab File: BF104214.D
Acq: 4 Apr 2018 8:27

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	16.3	12.6	19.0





#74

Fluoranthene

Concen: 50.719 ng

RT: 12.72 min Scan# 1807

Delta R.T. 0.00 min

Lab File: BF104214.D

Acq: 4 Apr 2018 8:27

Instrument :

BNA_F

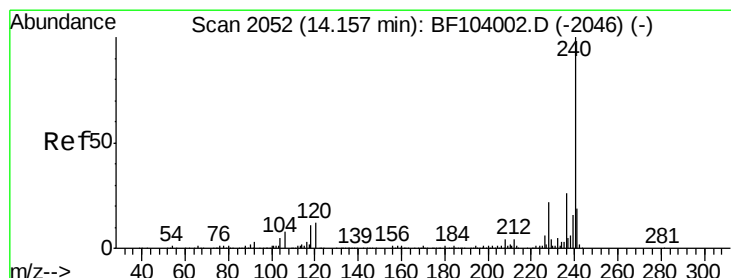
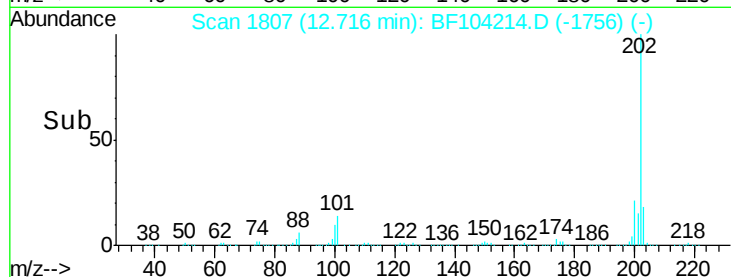
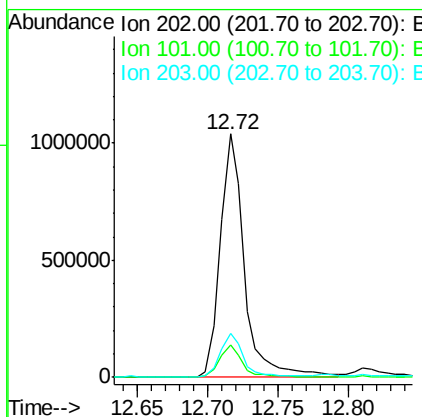
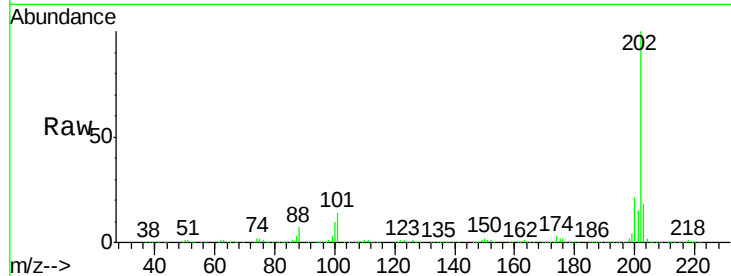
ClientSampleId :

A2_SB52_W_8DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	13.5	0.0	34.1
203	17.9	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

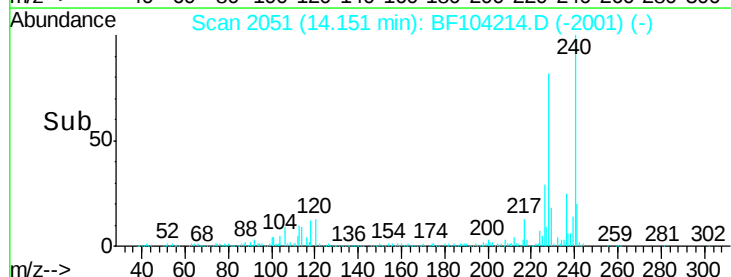
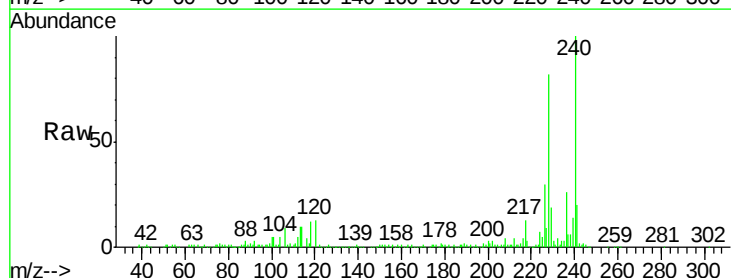
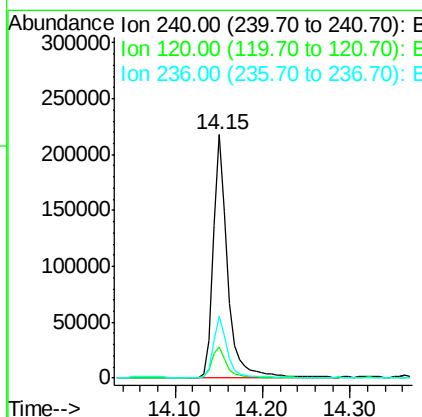
RT: 14.15 min Scan# 2051

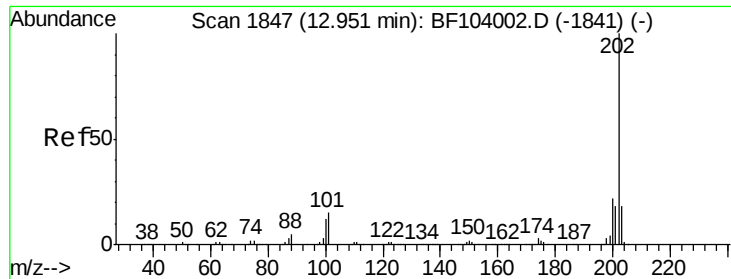
Delta R.T. -0.01 min

Lab File: BF104214.D

Acq: 4 Apr 2018 8:27

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.0	9.5	14.3
236	25.6	20.7	31.1





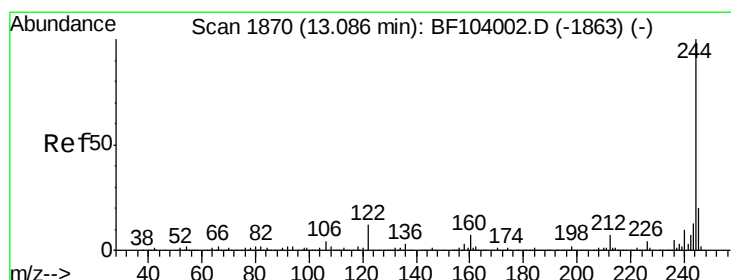
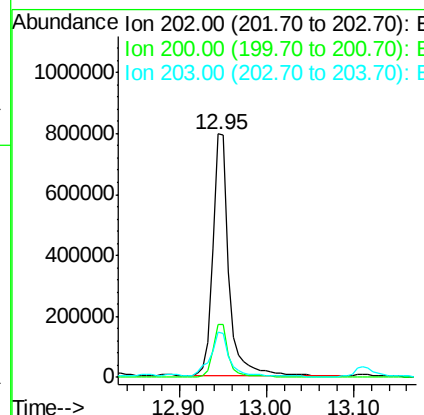
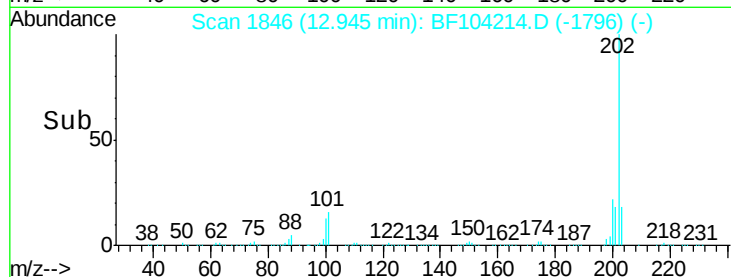
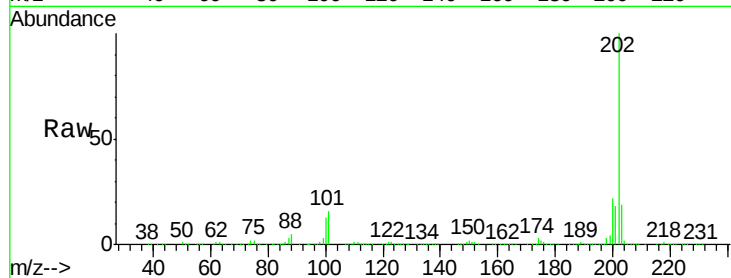
#77
Pvrene
Concen: 56.493 ng
RT: 12.95 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF104214.D
Acq: 4 Apr 2018 8:27

Instrument :
BNA_F
ClientSampleId :
A2_SB52_W_8DL

Tot Ion:202 Resp: 1019574
Ion Ratio Lower Upper
202 100
200 21.8 17.4 26.2
203 18.6 14.3 21.5

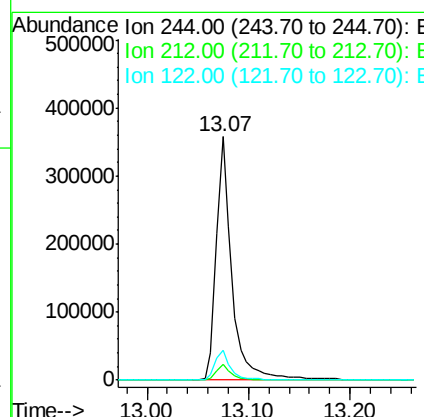
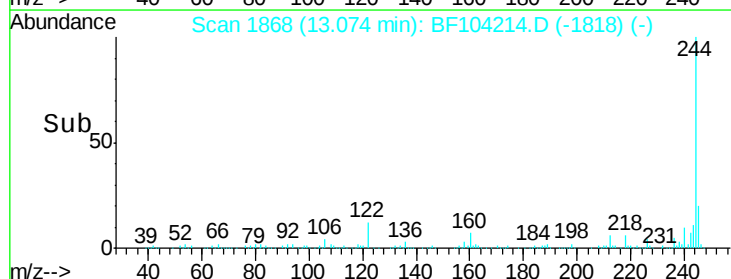
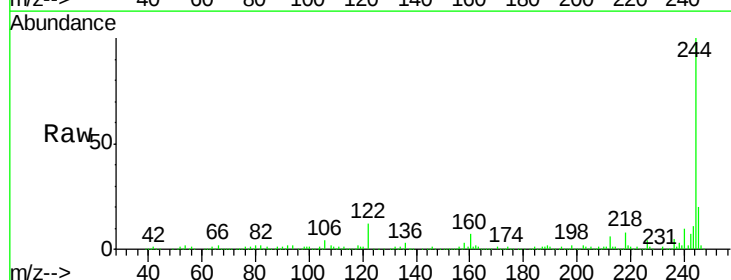
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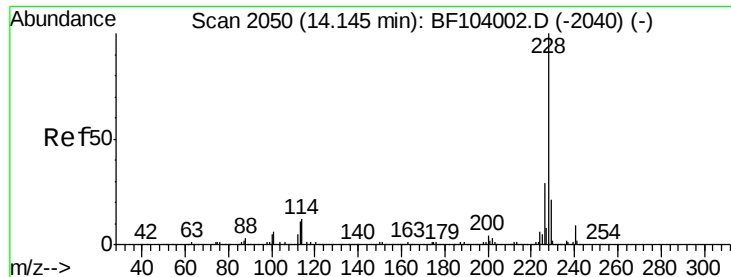
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#78
Terphenyl-d14
Concen: 35.509 ng
RT: 13.07 min Scan# 1868
Delta R.T. -0.01 min
Lab File: BF104214.D
Acq: 4 Apr 2018 8:27

Tgt Ion:244 Resp: 386100
Ion Ratio Lower Upper
244 100
212 6.4 5.4 8.0
122 12.4 11.0 16.4





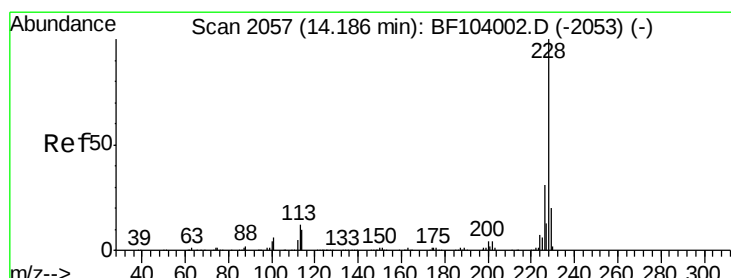
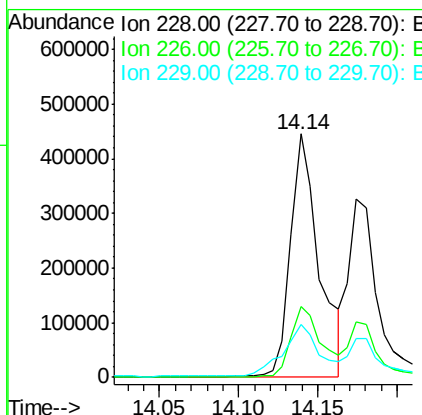
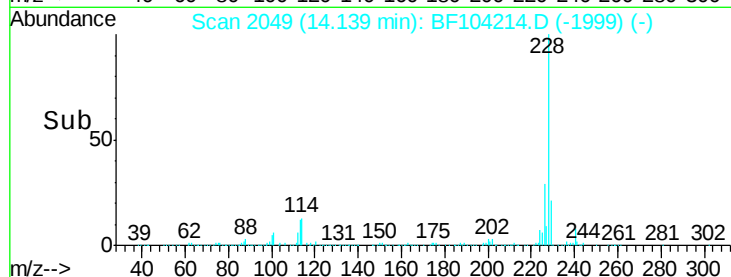
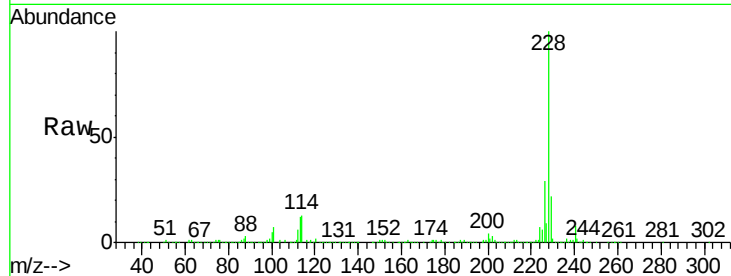
#80
Benzo(a)anthracene
Concen: 35.524 ng
RT: 14.14 min Scan# 2049
Delta R.T. -0.01 min
Lab File: BF104214.D
Acq: 4 Apr 2018 8:27

Instrument :
BNA_F
ClientSampleId :
A2_SB52_W_8DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.6	33.8
229	22.0	15.8	23.6

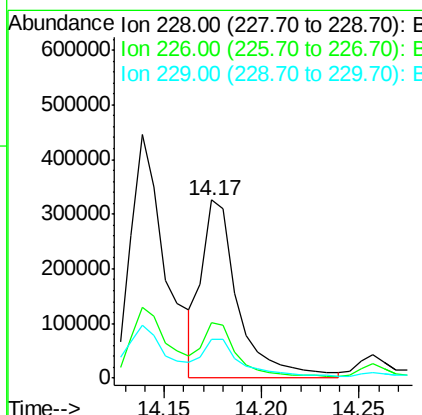
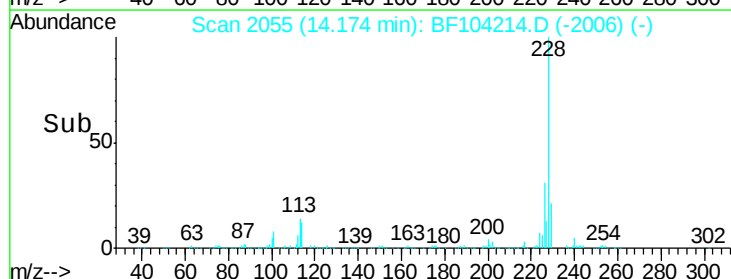
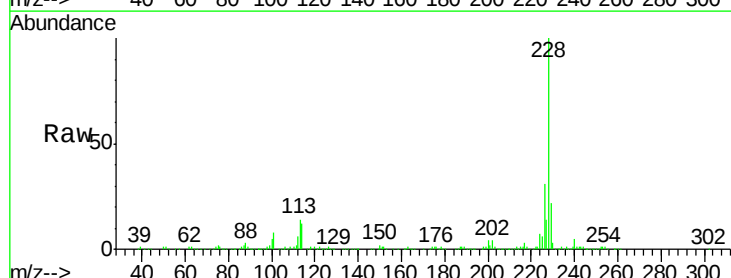
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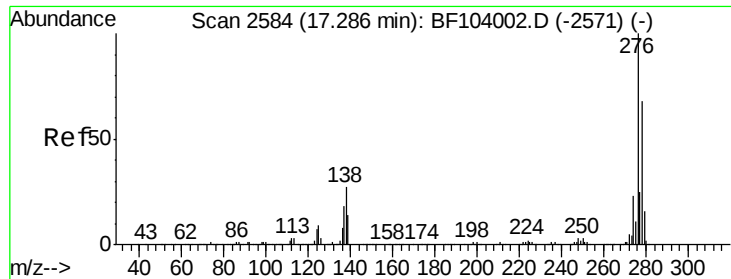
Sohil
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#82
Chrysene
Concen: 27.275 ng
RT: 14.17 min Scan# 2055
Delta R.T. -0.01 min
Lab File: BF104214.D
Acq: 4 Apr 2018 8:27

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.0	37.6
229	22.0	16.2	24.4





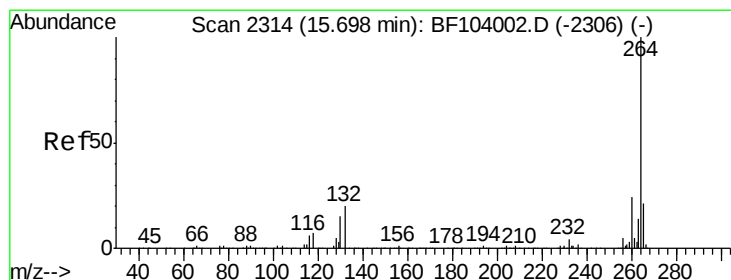
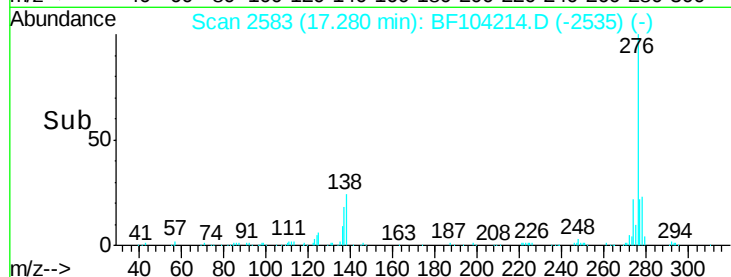
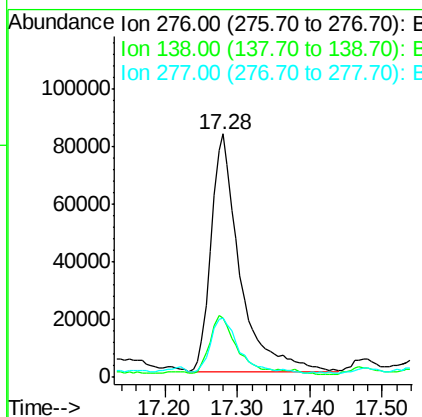
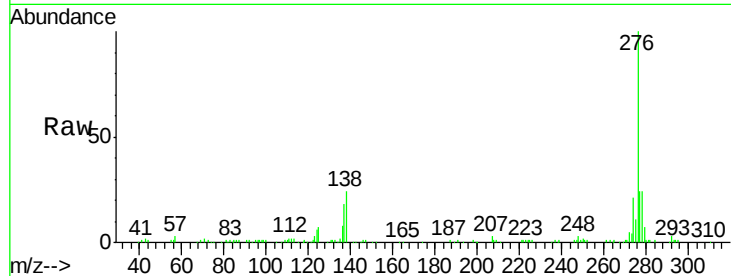
#85
Indeno(1,2,3-cd)pyrene
Concen: 14.134 ng
RT: 17.28 min Scan# 2583
Delta R.T. -0.02 min
Lab File: BF104214.D
Acq: 4 Apr 2018 8:27

Instrument :
BNA_F
ClientSampleId :
A2_SB52_W_8DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.6	25.0	37.6#
277	20.9	20.1	30.1

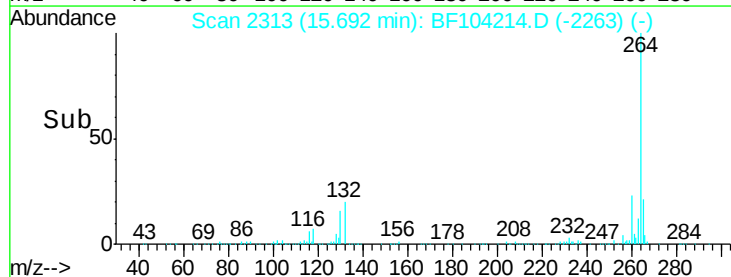
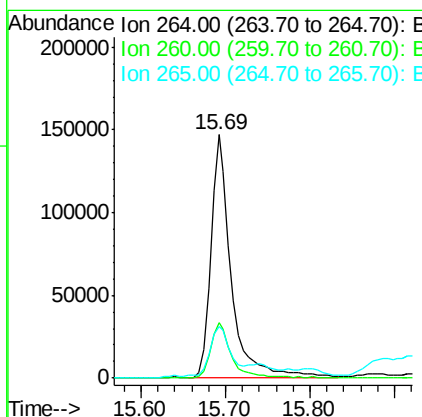
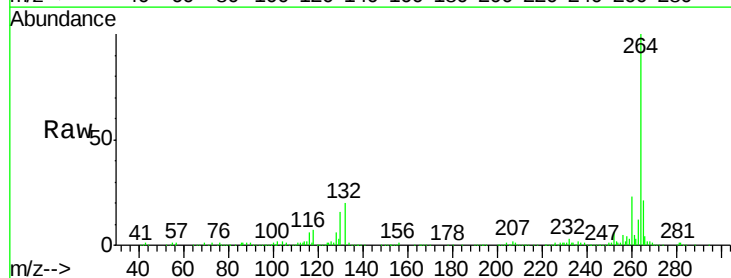
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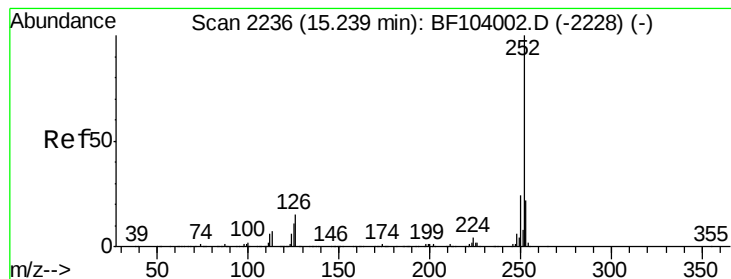
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2313
Delta R.T. -0.01 min
Lab File: BF104214.D
Acq: 4 Apr 2018 8:27

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: 32.200 ng m

RT: 15.23 min Scan# 2235

Delta R.T. -0.01 min

Lab File: BF104214.D

Acq: 4 Apr 2018 8:27

Instrument :

BNA_F

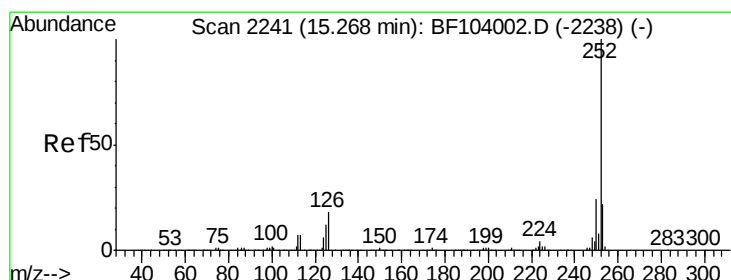
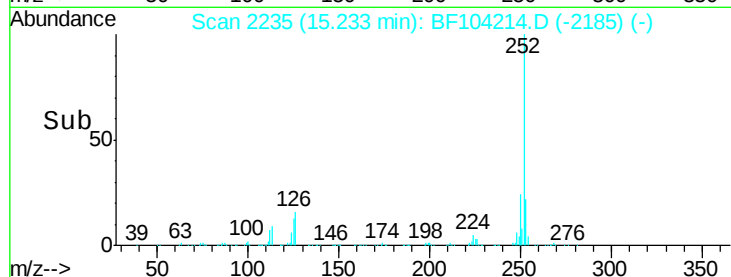
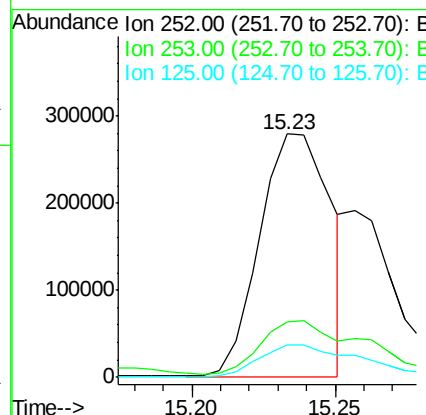
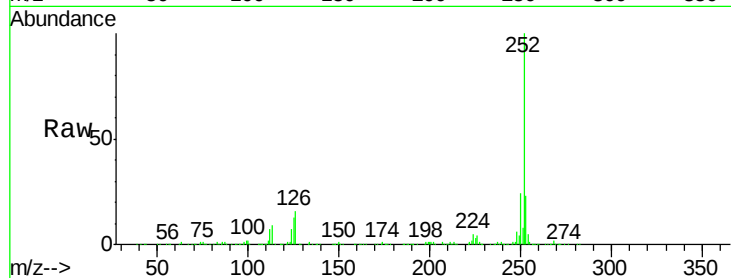
ClientSampleId :

A2_SB52_W_8DL

Tot Ion:	252	Resp:	484046
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.0	25.6
125	13.3	9.0	13.6

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 17.948 ng m

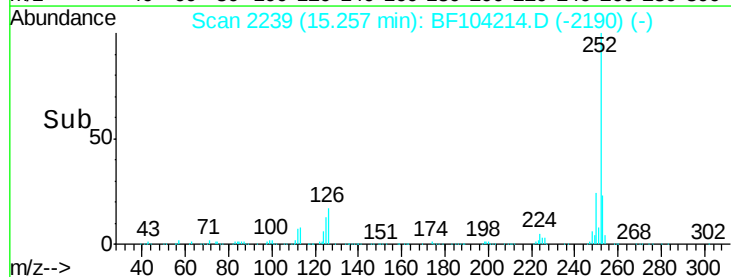
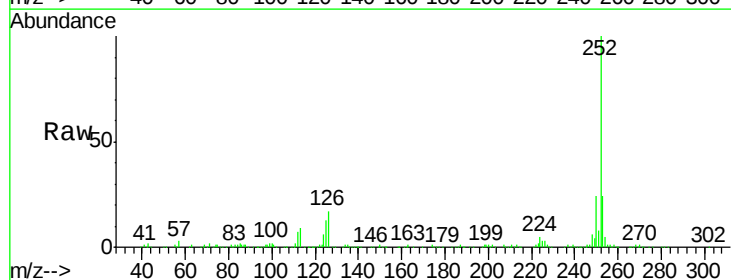
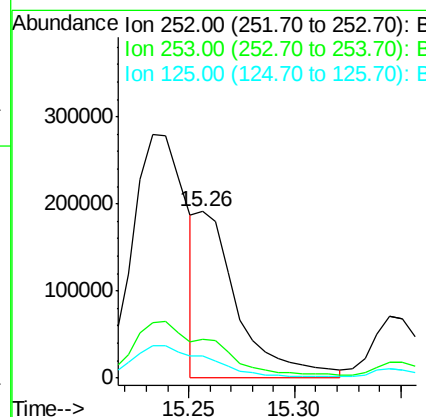
RT: 15.26 min Scan# 2239

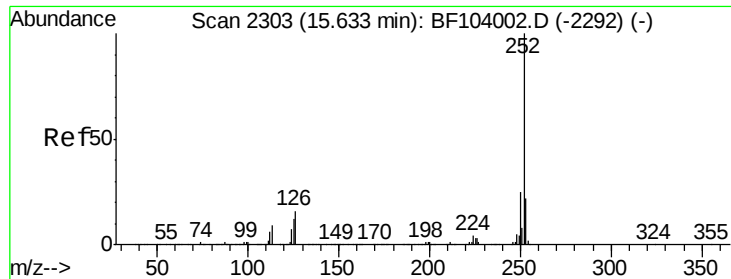
Delta R.T. -0.01 min

Lab File: BF104214.D

Acq: 4 Apr 2018 8:27

Tgt Ion:	252	Resp:	254153
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.9	26.9
125	13.2	10.2	15.2





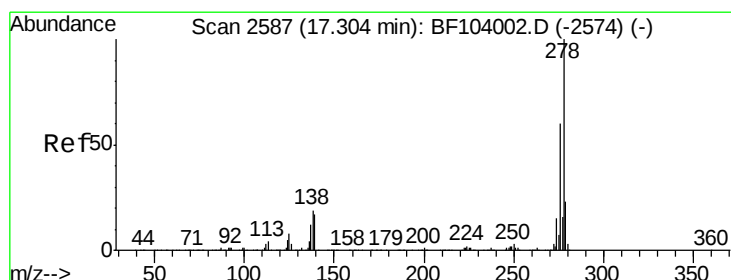
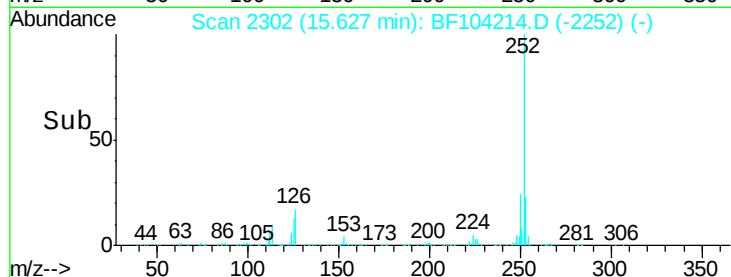
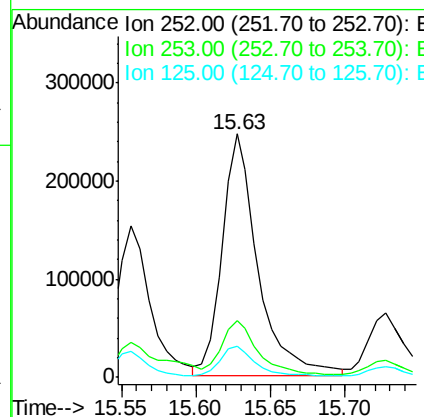
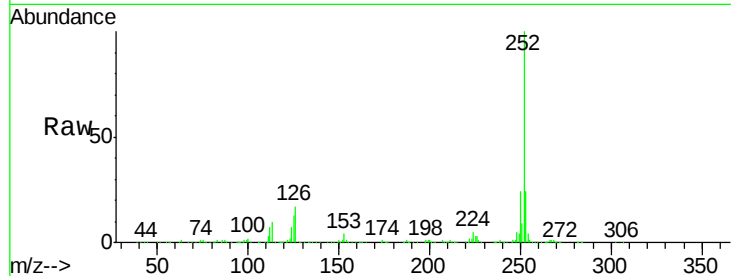
#89
Benzo(a)pyrene
Concen: 29.643 ng
RT: 15.63 min Scan# 2302
Delta R.T. -0.01 min
Lab File: BF104214.D
Acq: 4 Apr 2018 8:27

Instrument :
BNA_F
ClientSampleId :
A2_SB52_W_8DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	13.0	9.8	14.6

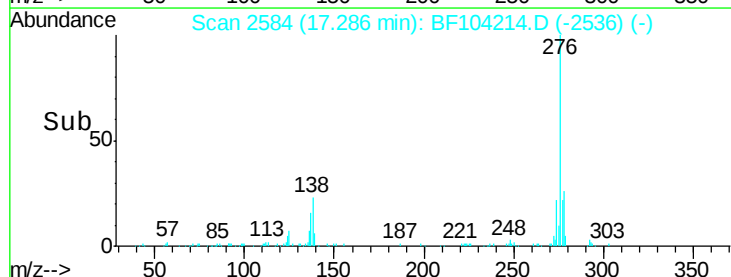
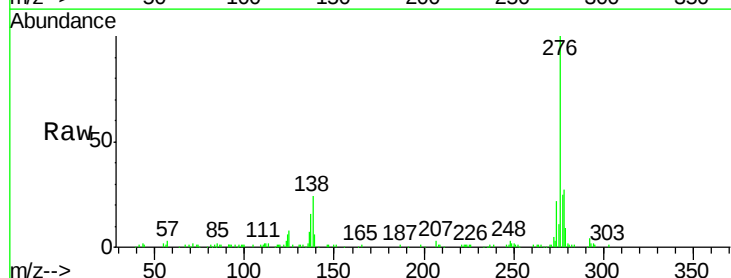
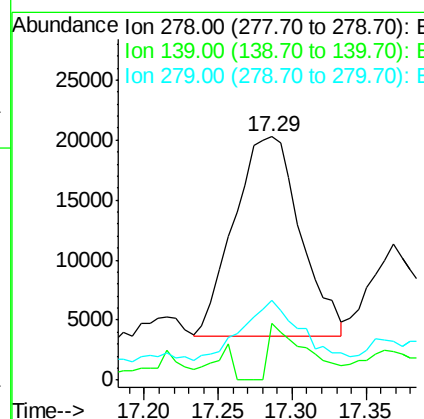
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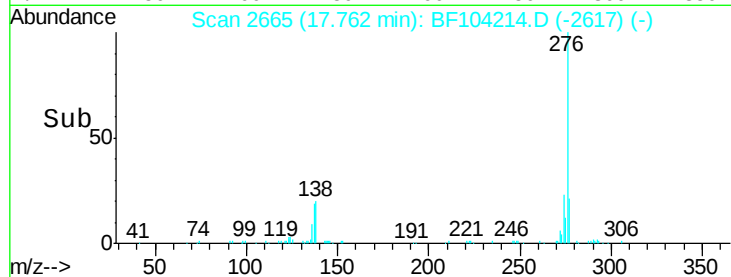
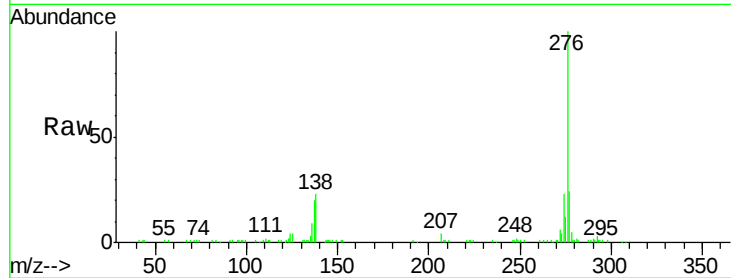
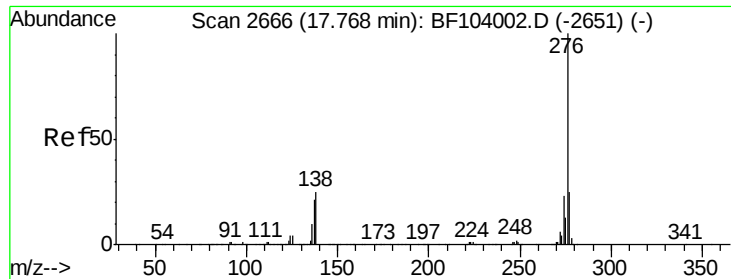
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 4.006 ng m
RT: 17.29 min Scan# 2584
Delta R.T. -0.02 min
Lab File: BF104214.D
Acq: 4 Apr 2018 8:27

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.2	15.9	23.9
279	32.8	19.0	28.4





#91

Benzo(a,h,i)perylene

Concen: 14.661 ng

RT: 17.76 min Scan# 2665

Delta R.T. -0.02 min

Lab File: BF104214.D

Acq: 4 Apr 2018 8:27

Tot Ion:	276	Resp:	189132
Ion Ratio		Lower	Upper
276	100		
277	23.7	17.9	26.9
138	22.7	21.8	32.8

Instrument :

BNA_F

ClientSampleId :

A2_SB52_W_8DL

Manual Integrations
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