

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042518\
 Data File : BF104814.D
 Acq On : 26 Apr 2018 3:52
 Operator : JU/SJ
 Sample : J2497-06 20X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A2-SB02-W-7

Manual Integrations
 APPROVED

Sohil
 4/26/2018 6:15:02 PM

Quant Time: Apr 26 13:47:24 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 25 14:01:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	91757	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	378016	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	157384	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	227998	20.00	ng	0.00
75) Chrysene-d12	13.98	240	190019	20.00	ng	0.00
86) Perylene-d12	15.44	264	153581	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	30460	5.08	ng	0.00
7) Phenol-d6	6.44	99	39251m	5.32	ng	0.00
23) Nitrobenzene-d5	7.36	82	21819	3.77	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	6672	4.09	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	45485	4.57	ng	0.00
78) Terphenyl-d14	12.92	244	31700	3.80	ng	0.00
Target Compounds						
31) Naphthalene	8.10	128	140154	7.446	ng	Qvalue 98
48) Acenaphthylene	9.70	152	182043	11.110	ng	100
51) Acenaphthene	9.87	154	33780	3.379	ng	94
54) Dibenzofuran	10.05	168	43501	3.122	ng	100
57) Fluorene	10.39	166	73896	7.287	ng	97
70) Phenanthrene	11.36	178	347630	27.379	ng	98
71) Anthracene	11.40	178	149887	11.613	ng	98
74) Fluoranthene	12.55	202	625542	47.154	ng	98
77) Pyrene	12.78	202	594145	42.183	ng	99
80) Benzo(a)anthracene	13.97	228	385295m	33.941	ng	
82) Chrysene	14.00	228	320731	27.507	ng	97
85) Indeno(1,2,3-cd)pyrene	16.90	276	138789	14.012	ng	# 90
87) Benzo(b)fluoranthene	15.02	252	387100m	39.908	ng	
88) Benzo(k)fluoranthene	15.04	252	141044m	15.402	ng	
89) Benzo(a)pyrene	15.39	252	283102	32.619	ng	99
90) Dibenzo(a,h)anthracene	16.91	278	38760m	5.438	ng	
91) Benzo(g,h,i)perylene	17.35	276	126522	18.321	ng	94

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

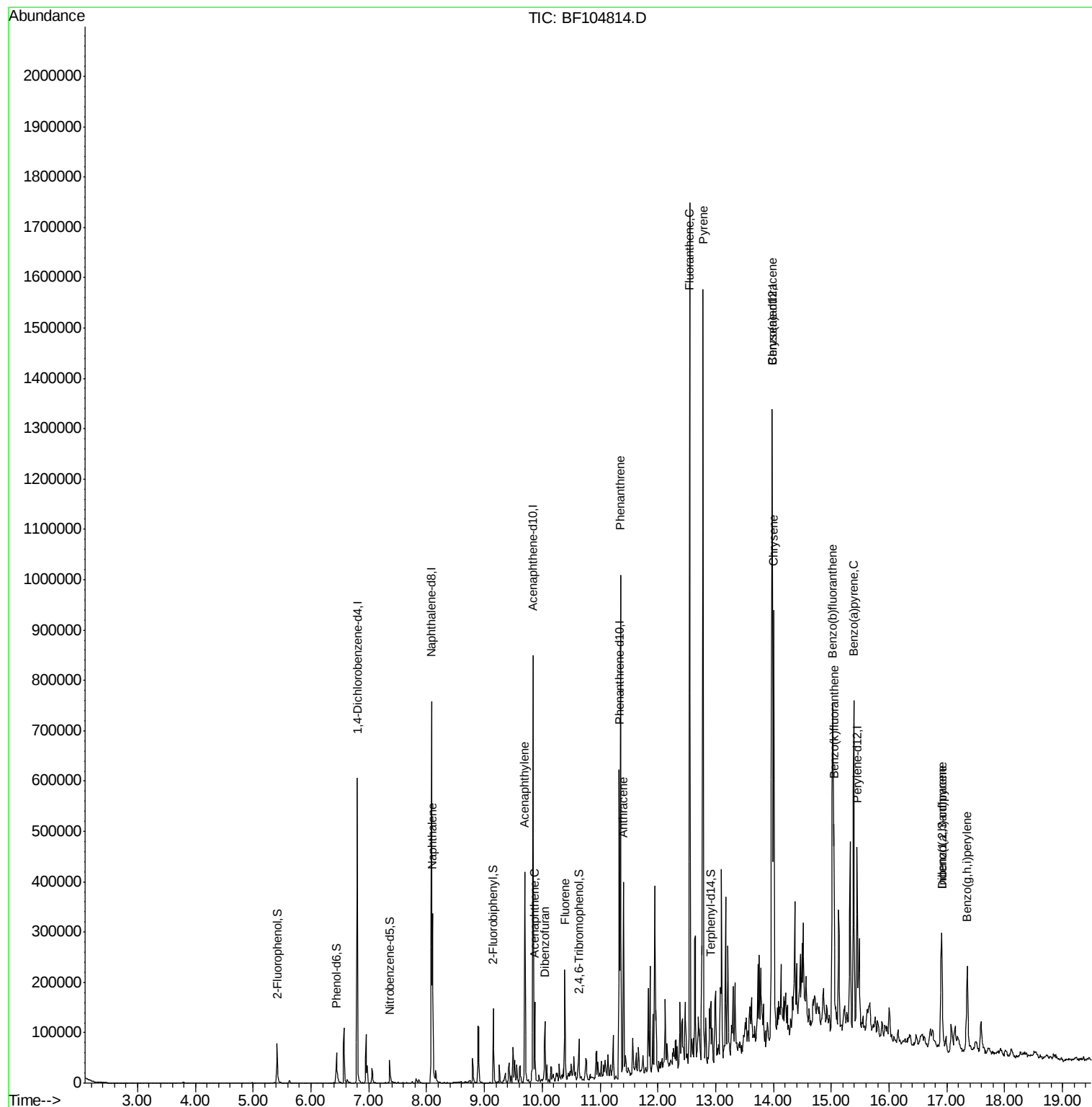
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042518\
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ALS Vial : 33 Sample Multiplier: 1

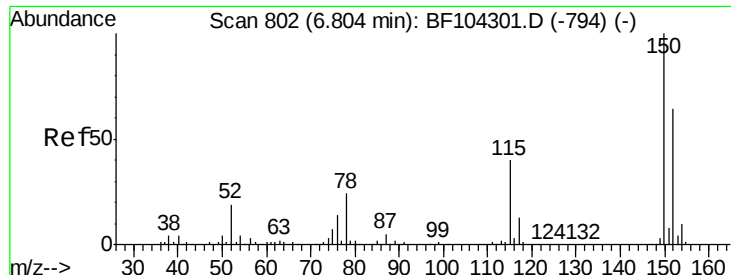
Instrument :
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A2-SB02-W-7

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#1

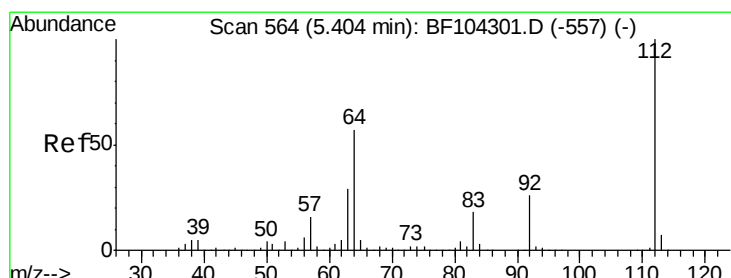
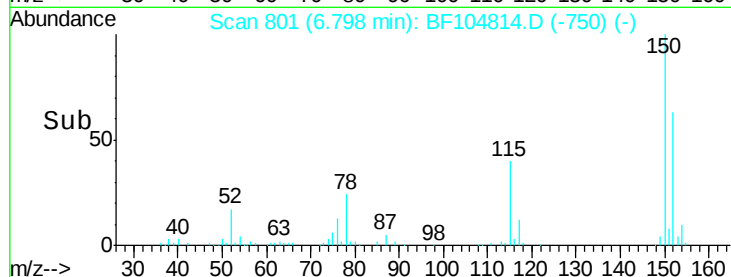
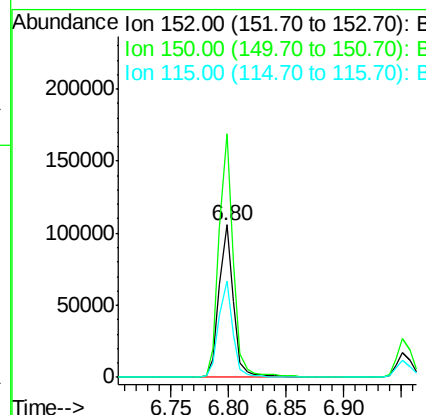
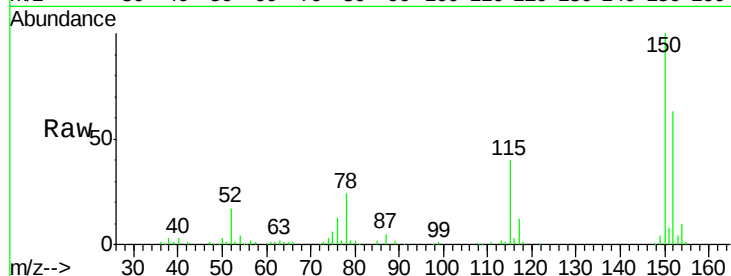
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. 0.00 min
Lab File: BF104814.D
Acq: 26 Apr 2018 3:52

Instrument :
BNA_F
ClientSampleId :
A2-SB02-W-7

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.8	124.6	186.8
115	63.3	50.1	75.1

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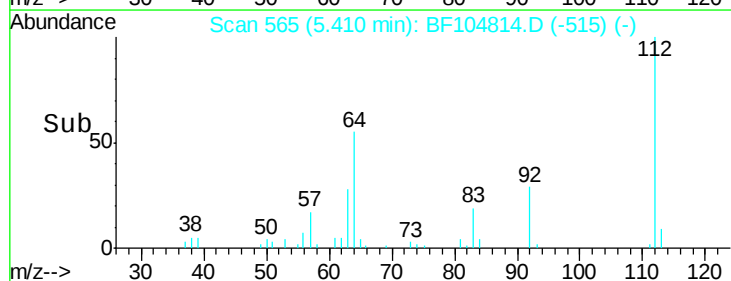
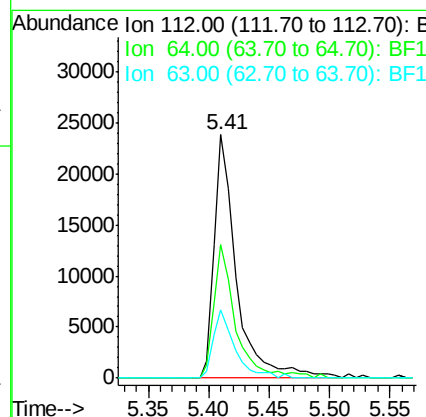
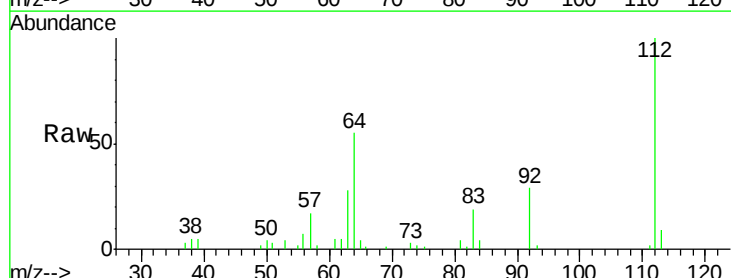
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#5

2-Fluorophenol
Concen: 5.076 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: BF104814.D
Acq: 26 Apr 2018 3:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.1	47.9	71.9
63	28.2	23.7	35.5





#7

Phenol-d6

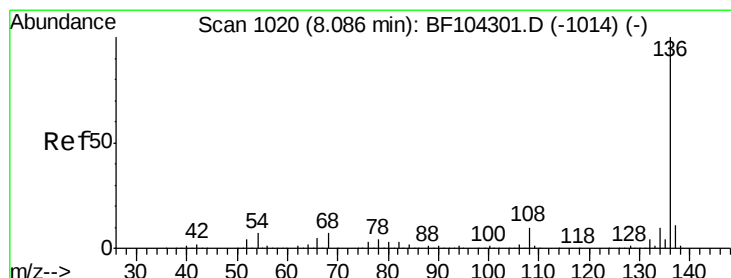
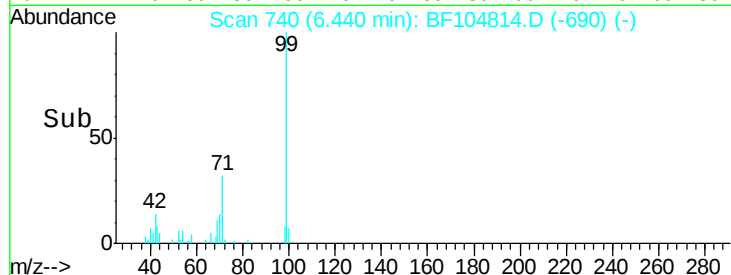
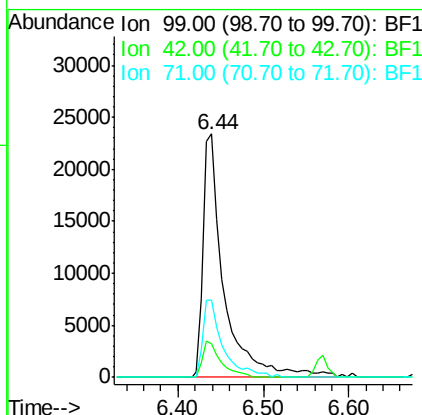
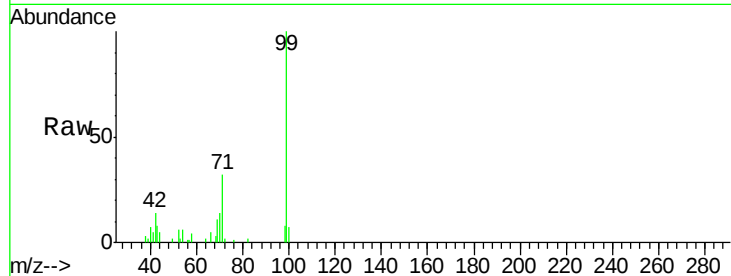
Concen: 5.324 ng/ml
 RT: 6.44 min Scan# 740
 Delta R.T. -0.01 min
 Lab File: BF104814.D
 Acq: 26 Apr 2018 3:52

Instrument :
 BNA_F
 ClientSampleId :
 A2-SB02-W-7

Tot Ion	Ion	Ratio	Lower	Upper
99	100			
42	13.9	14.5	21.7#	
71	31.9	25.4	38.0	

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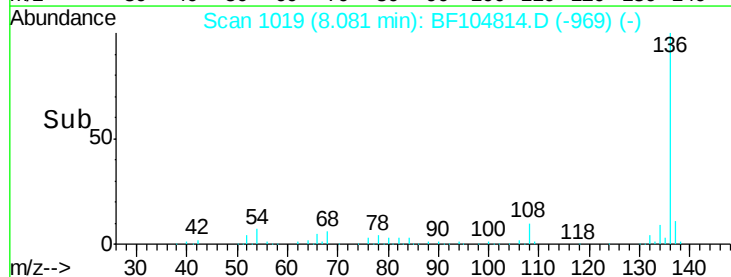
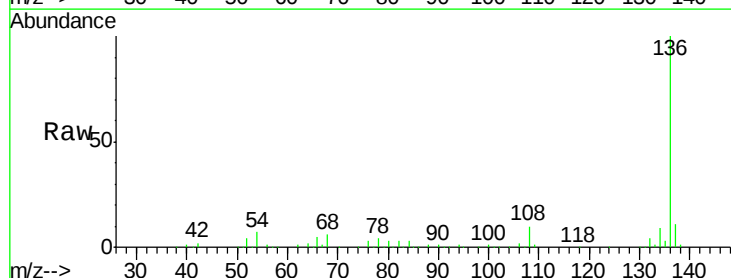
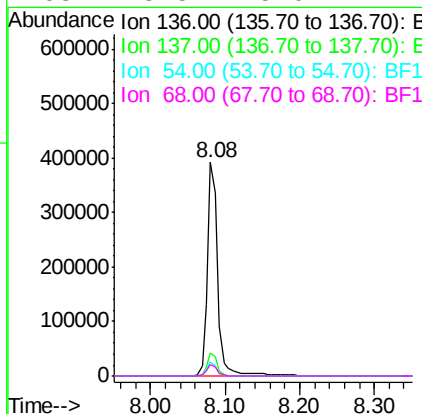


#21

Naphthalene-d8

Concen: 20.000 ng
 RT: 8.08 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: BF104814.D
 Acq: 26 Apr 2018 3:52

Tgt Ion	Ion	Ratio	Lower	Upper
136	100			
137	10.6	8.9	13.3	
54	6.6	6.6	9.8	
68	5.5	5.0	7.4	





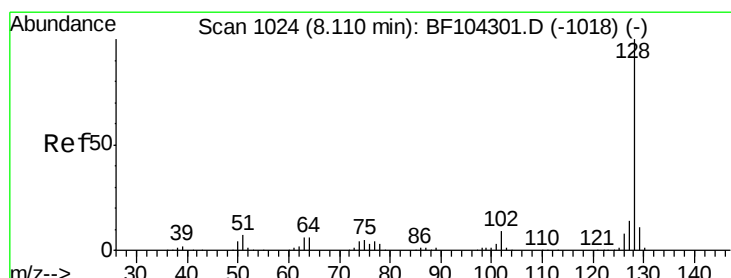
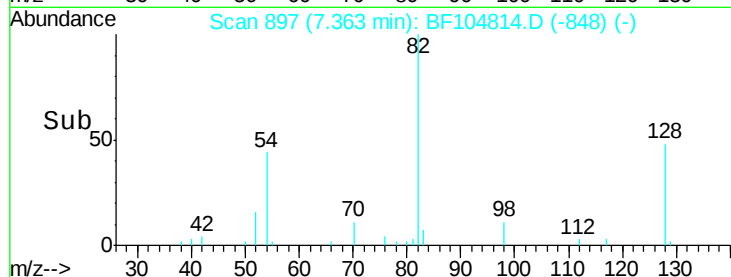
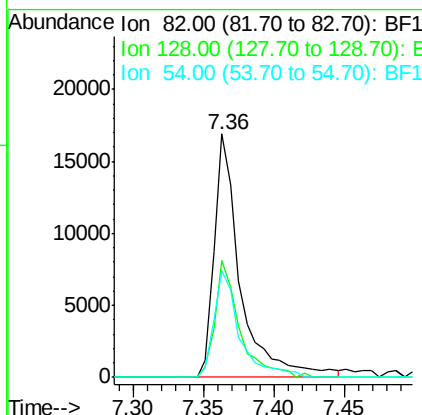
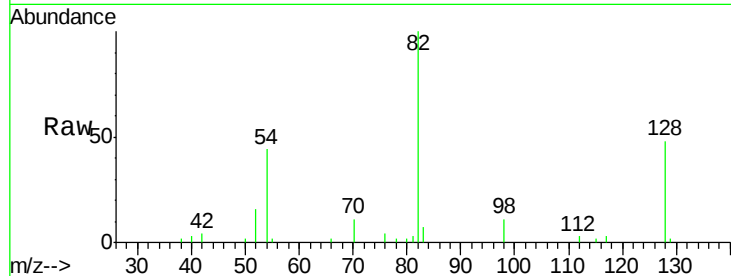
#23
 Nitrobenzene-d5
 Concen: 3.769 ng
 RT: 7.36 min Scan# 897
 Delta R.T. -0.01 min
 Lab File: BF104814.D
 Acq: 26 Apr 2018 3:52

Instrument :
 BNA_F
 ClientSampleId :
 A2-SB02-W-7

Tot Ion:	82	Resp:	21819
Ion Ratio	Lower	Upper	
82	100		
128	48.0	36.1	54.1
54	43.7	41.4	62.2

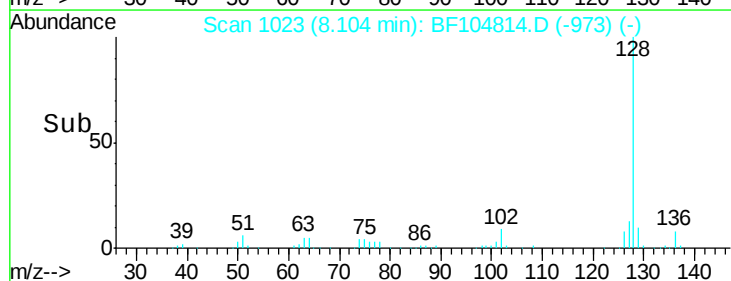
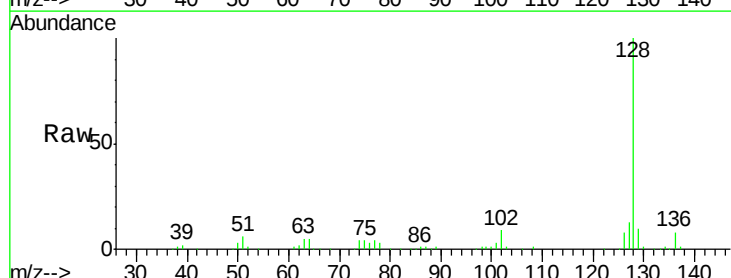
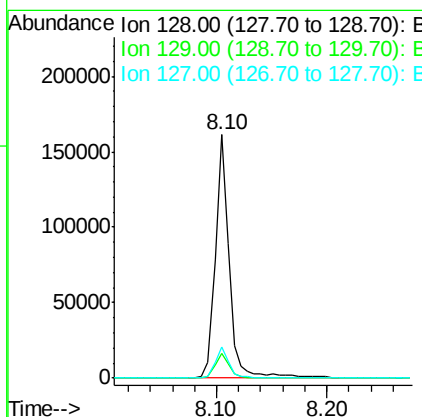
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#31
 Naphthalene
 Concen: 7.446 ng
 RT: 8.10 min Scan# 1023
 Delta R.T. -0.01 min
 Lab File: BF104814.D
 Acq: 26 Apr 2018 3:52

Tgt Ion:	128	Resp:	140154
Ion Ratio	Lower	Upper	
128	100		
129	10.4	8.8	13.2
127	12.5	10.9	16.3





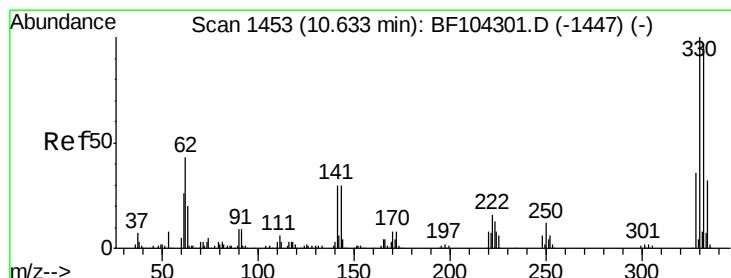
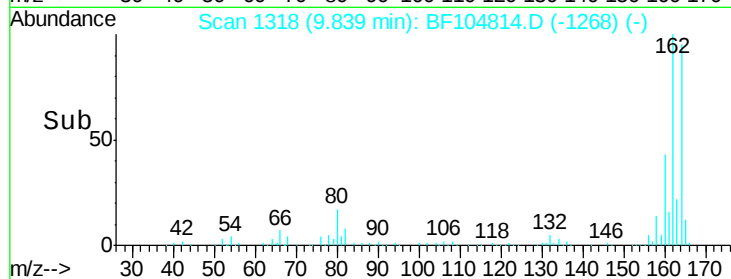
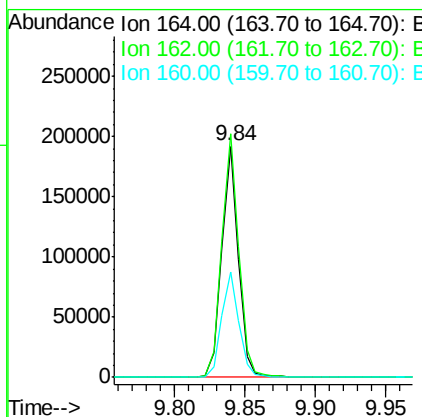
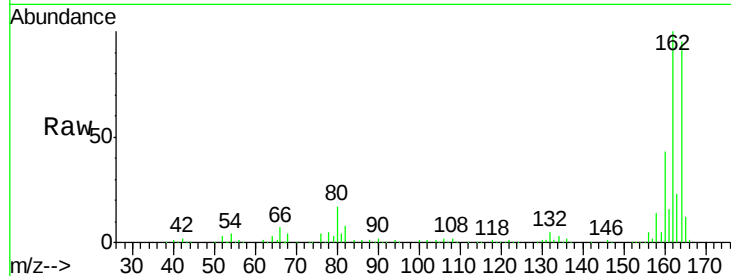
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF104814.D
Acq: 26 Apr 2018 3:52

Instrument :
BNA_F
ClientSampleId :
A2-SB02-W-7

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	105.4	86.1	129.1	
160	45.4	38.3	57.5	

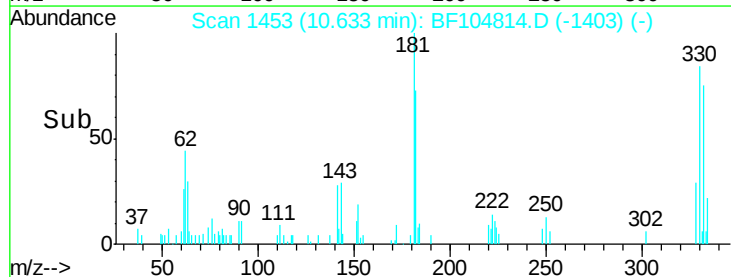
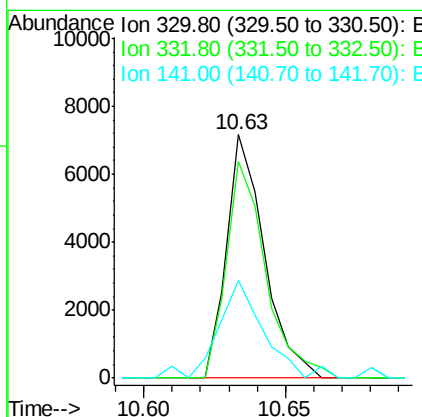
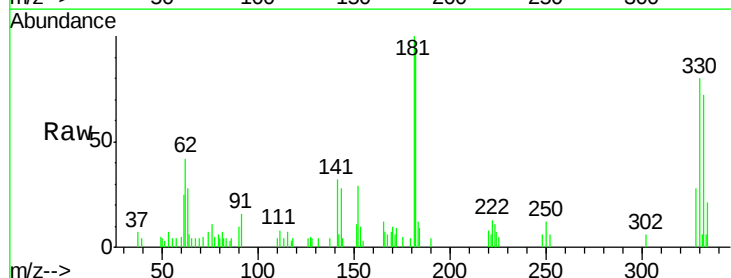
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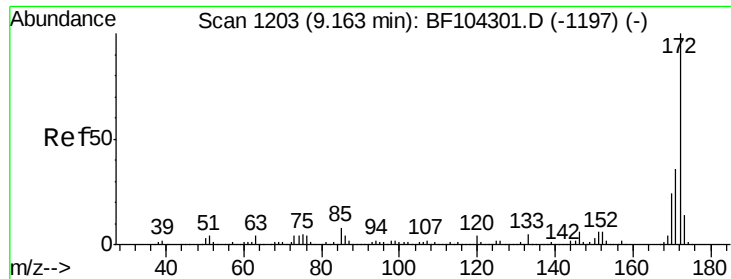
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#41
2,4,6-Tribromophenol
Concen: 4.087 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.01 min
Lab File: BF104814.D
Acq: 26 Apr 2018 3:52

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	92.8	77.0	115.6	
141	48.8	29.9	44.9#	





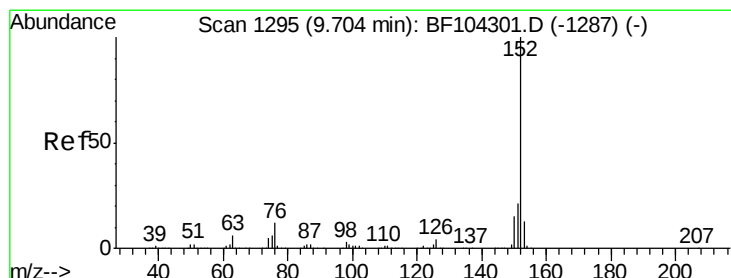
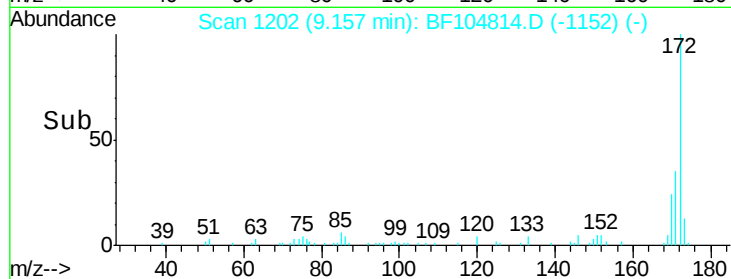
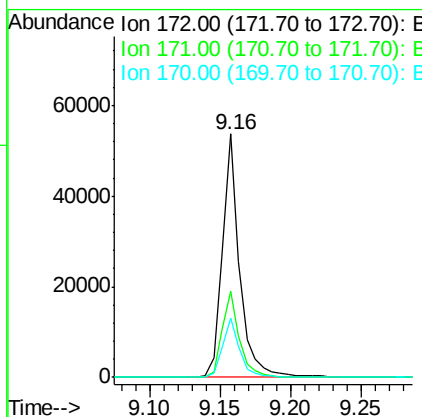
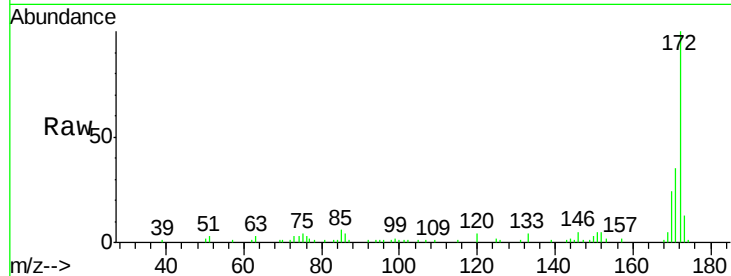
#44
2-Fluorobiphenyl
Concen: 4.566 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.01 min
Lab File: BF104814.D
Acq: 26 Apr 2018 3:52

Instrument :
BNA_F
ClientSampleId :
A2-SB02-W-7

Tot Ion	Ratio	Resp	Lower	Upper
172	100	45485		
171	35.5		29.7	44.5
170	24.1		19.6	29.4

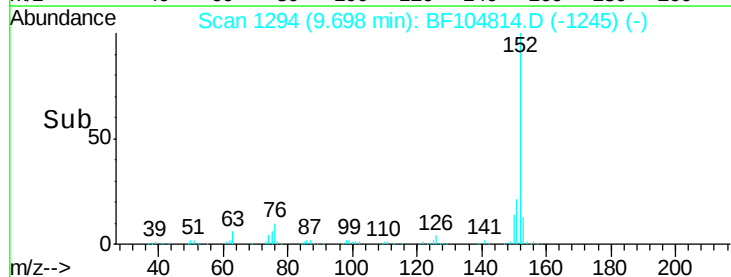
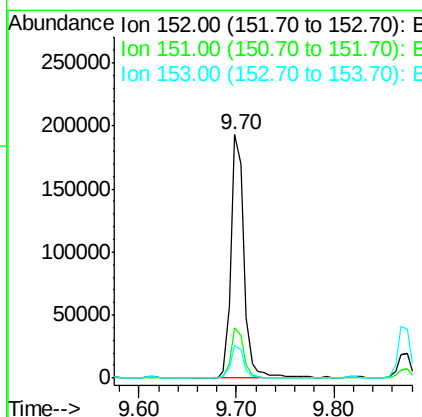
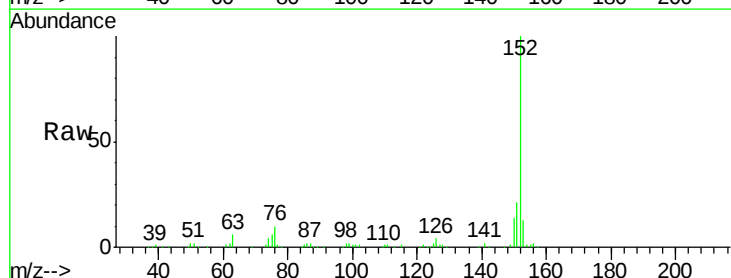
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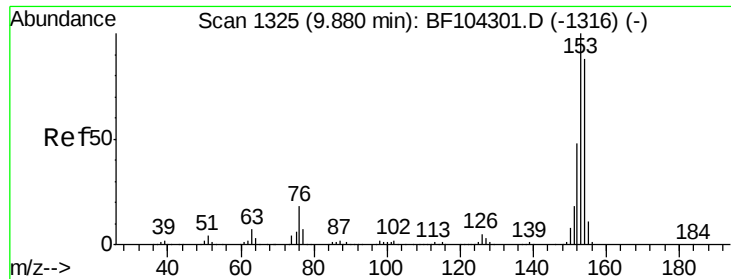
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#48
Acenaphthylene
Concen: 11.110 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BF104814.D
Acq: 26 Apr 2018 3:52

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	182043		
151	20.5		16.3	24.5
153	13.4		10.7	16.1





#51

Acenaphthene

Concen: 3.379 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.01 min

Lab File: BF104814.D

Acq: 26 Apr 2018 3:52

Instrument :

BNA_F

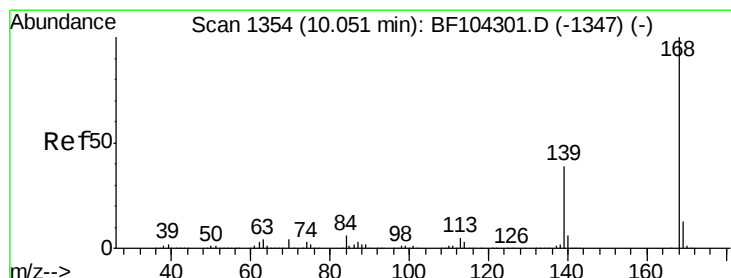
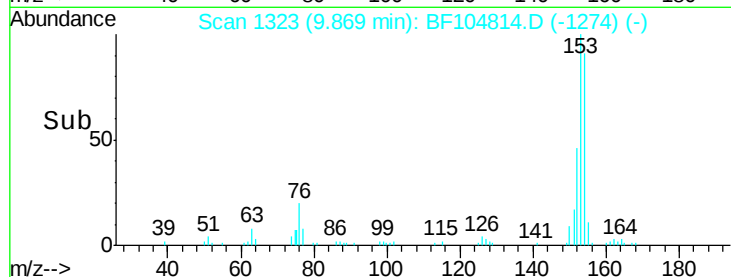
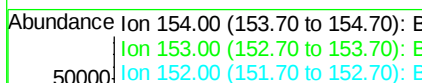
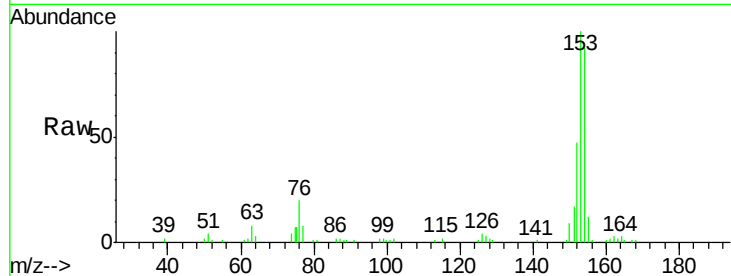
ClientSampled :

A2-SB02-W-7

Tot Ion:	154	Resp:	33780
Ion	Ratio	Lower	Upper
154	100		
153	108.1	91.2	136.8
152	50.5	43.8	65.8

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#54

Dibenzofuran

Concen: 3.122 ng

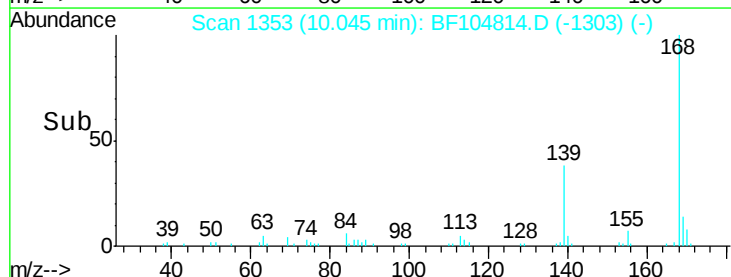
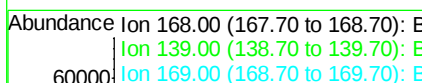
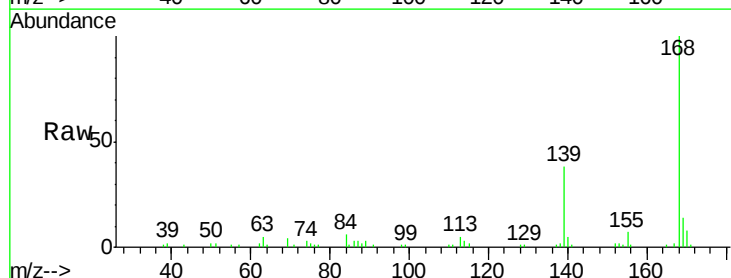
RT: 10.05 min Scan# 1353

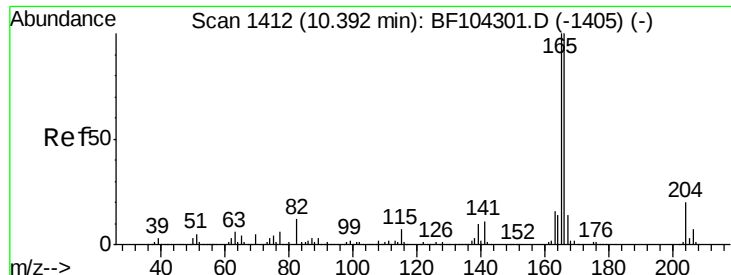
Delta R.T. -0.01 min

Lab File: BF104814.D

Acq: 26 Apr 2018 3:52

Tgt Ion:	168	Resp:	43501
Ion	Ratio	Lower	Upper
168	100		
139	37.8	30.1	45.1
169	13.6	10.9	16.3





#57

Fluorene

Concen: 7.287 ng

RT: 10.39 min Scan# 1411

Delta R.T. -0.01 min

Lab File: BF104814.D

Acq: 26 Apr 2018 3:52

Instrument :

BNA_F

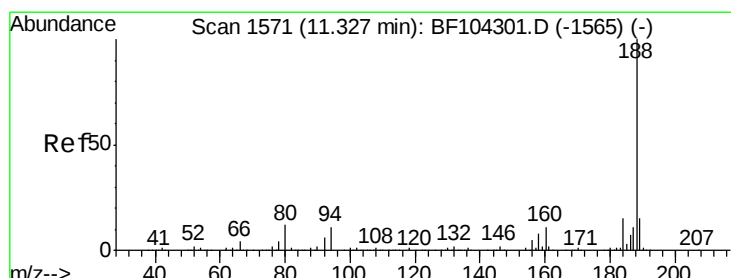
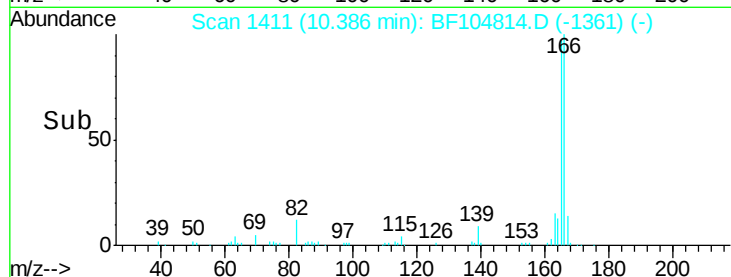
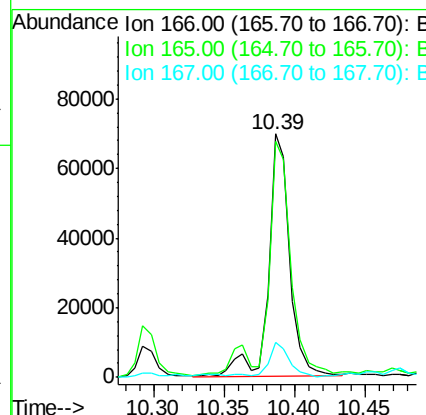
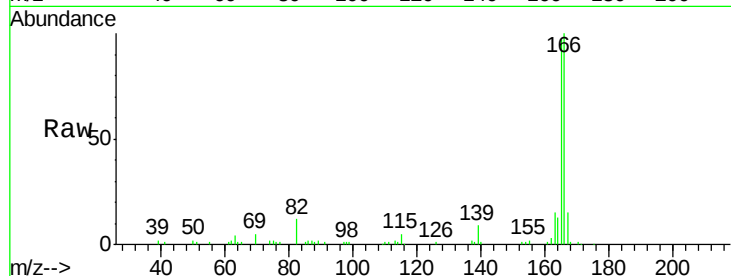
ClientSampleId :

A2-SB02-W-7

Tot Ion:	166	Resp:	73896
Ion Ratio	Lower	Upper	
166	100		
165	96.7	79.8	119.8
167	14.6	10.6	16.0

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.000 ng

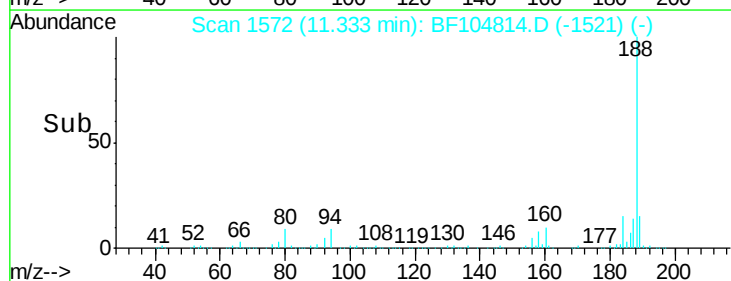
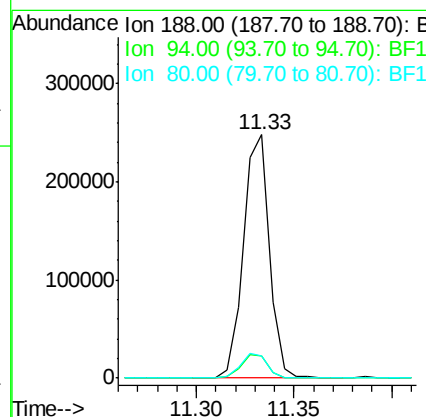
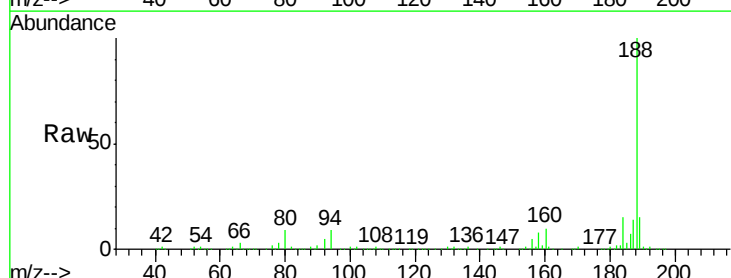
RT: 11.33 min Scan# 1572

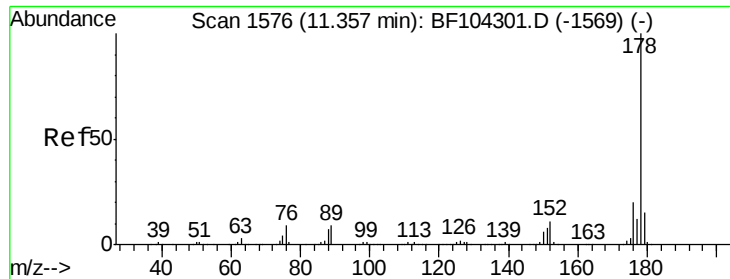
Delta R.T. 0.00 min

Lab File: BF104814.D

Acq: 26 Apr 2018 3:52

Tgt Ion:	188	Resp:	227998
Ion Ratio	Lower	Upper	
188	100		
94	9.1	8.5	12.7
80	9.2	9.2	13.8





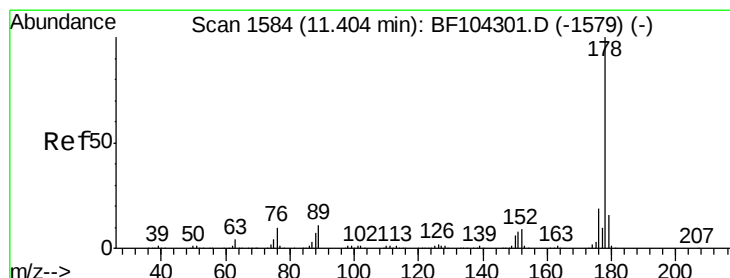
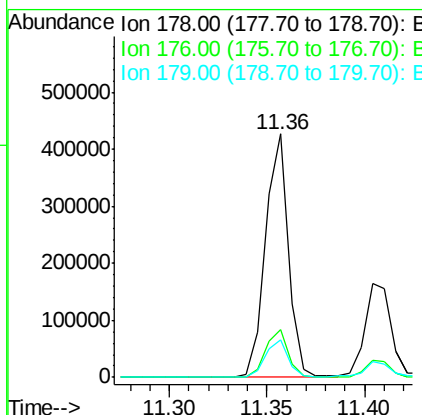
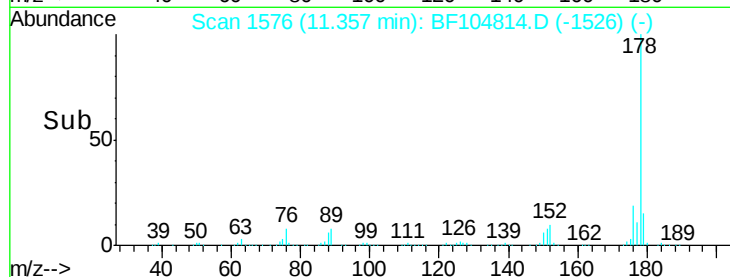
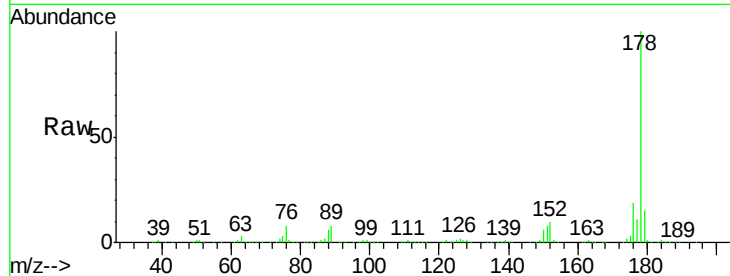
#70
Phenanthrene
Concen: 27.379 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF104814.D
Acq: 26 Apr 2018 3:52

Instrument :
BNA_F
ClientSampleId :
A2-SB02-W-7

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.3	13.0	19.6

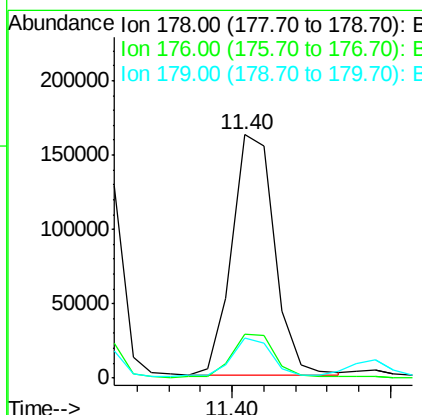
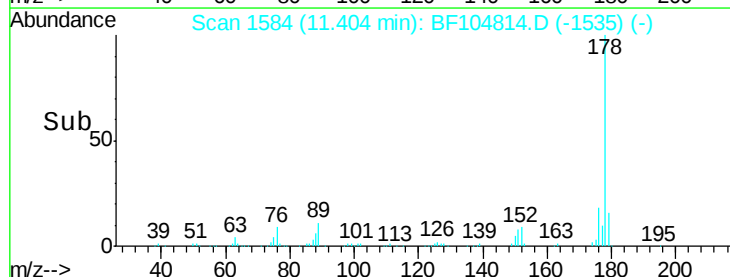
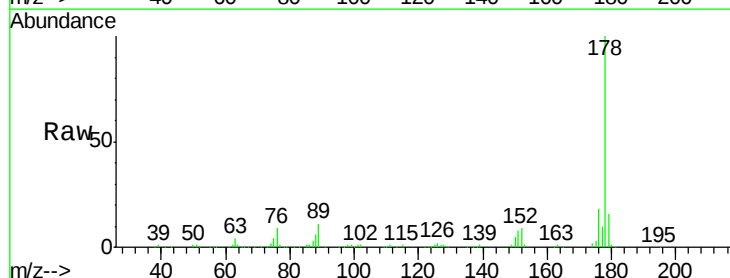
Manual Integrations
APPROVED

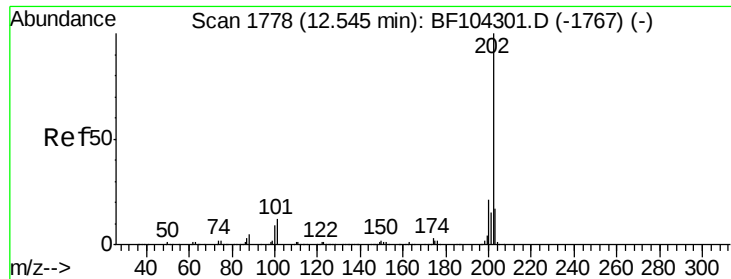
Sohil
4/26/2018 6:15:02 PM



#71
Anthracene
Concen: 11.613 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF104814.D
Acq: 26 Apr 2018 3:52

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.4	23.2
179	16.3	12.6	19.0





#74

Fluoranthene

Concen: 47.154 ng

RT: 12.55 min Scan# 1779

Delta R.T. 0.00 min

Lab File: BF104814.D

Acq: 26 Apr 2018 3:52

Instrument :

BNA_F

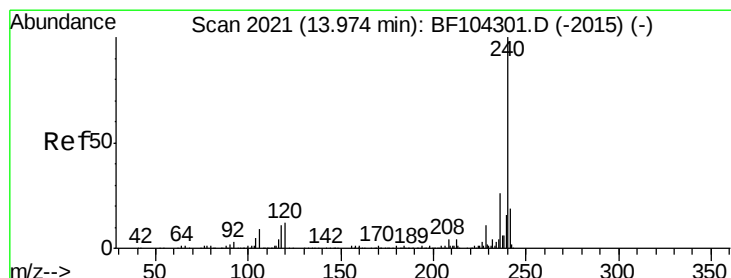
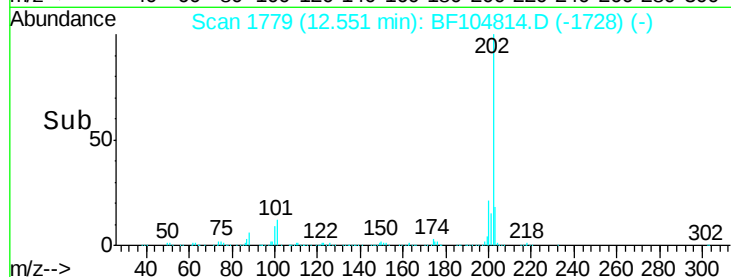
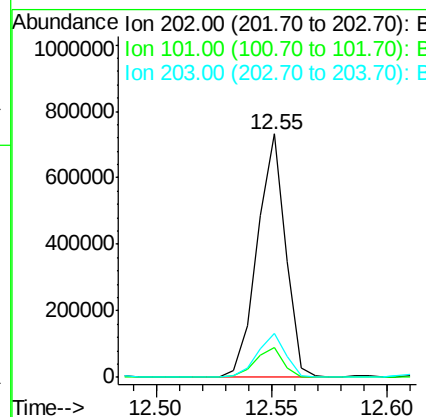
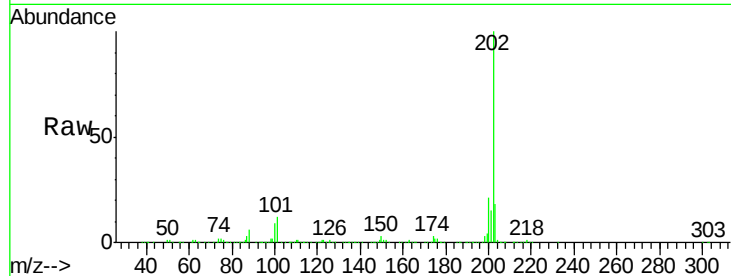
ClientSampled :

A2-SB02-W-7

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		625542		
101	12.2	0.0	34.1		
203	17.8	0.0	38.1		

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

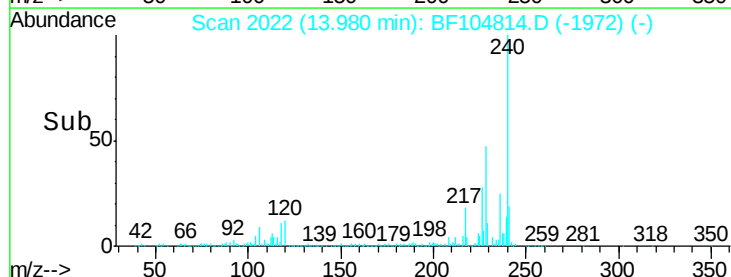
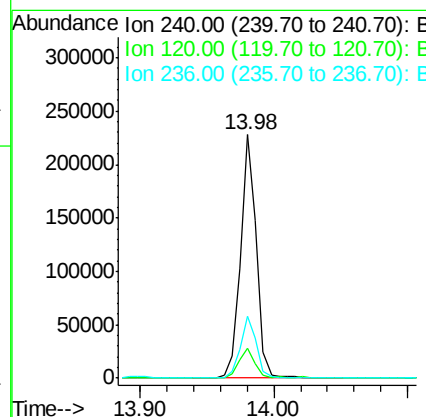
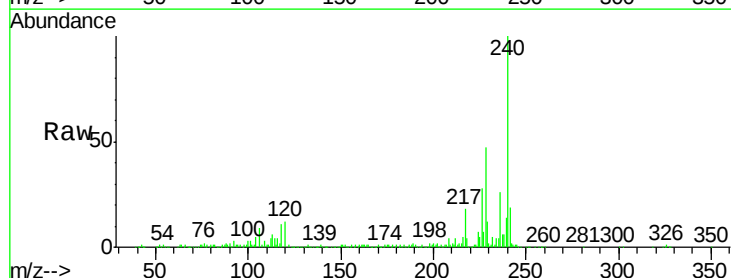
RT: 13.98 min Scan# 2022

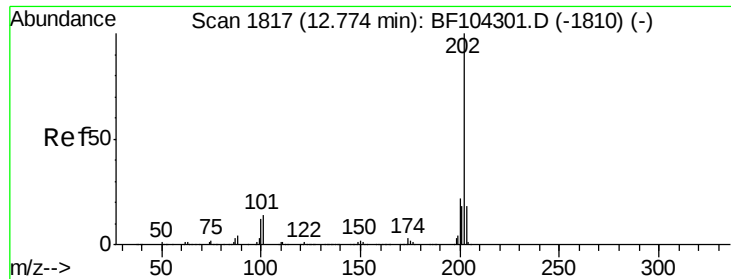
Delta R.T. -0.01 min

Lab File: BF104814.D

Acq: 26 Apr 2018 3:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		190019		
120	12.4	9.5	14.3		
236	25.6	20.7	31.1		





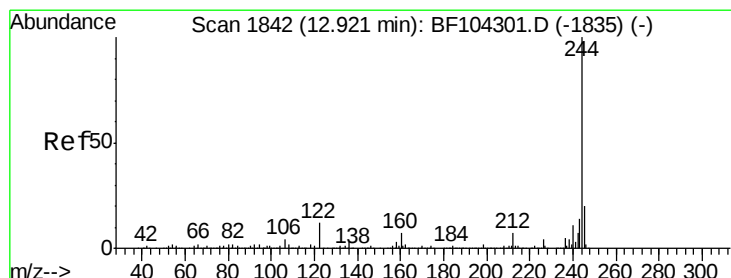
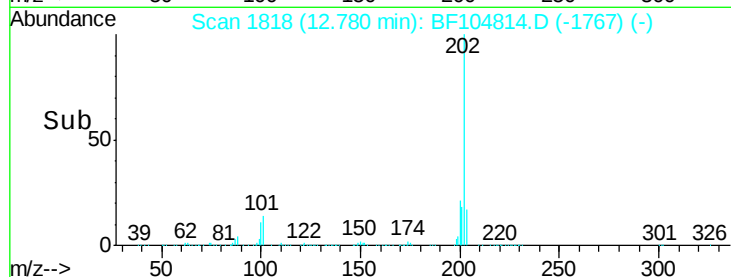
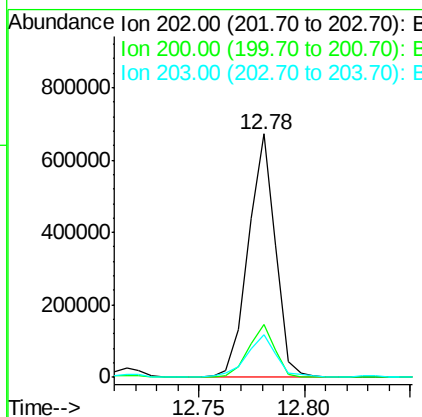
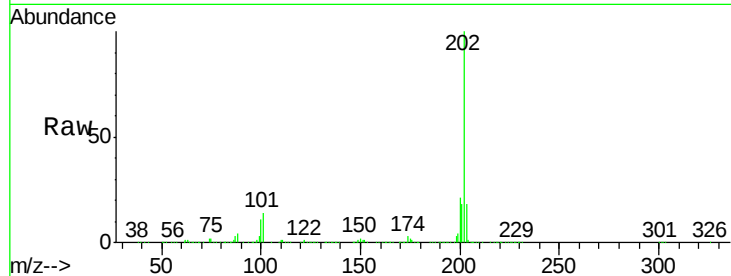
#77
Pvrene
Concen: 42.183 ng
RT: 12.78 min Scan# 1818
Delta R.T. 0.00 min
Lab File: BF104814.D
Acq: 26 Apr 2018 3:52

Instrument :
BNA_F
ClientSampleId :
A2-SB02-W-7

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.5	17.4	26.2
203	17.5	14.3	21.5

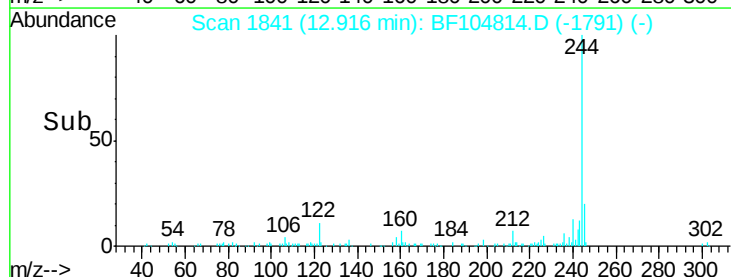
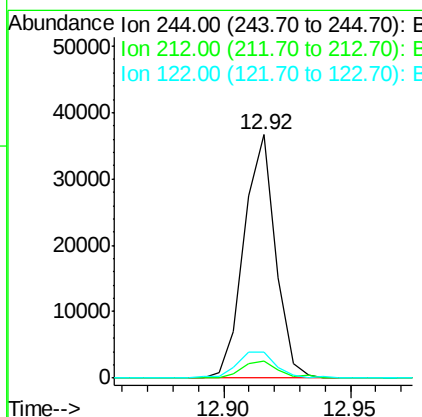
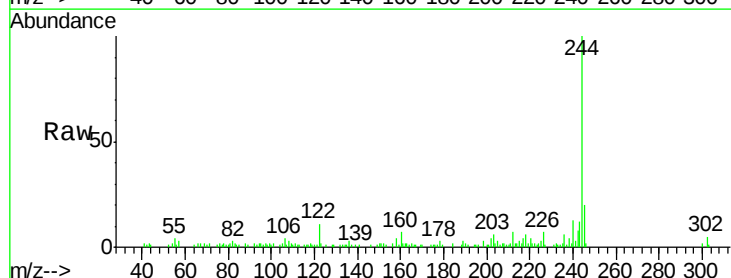
Manual Integrations
APPROVED

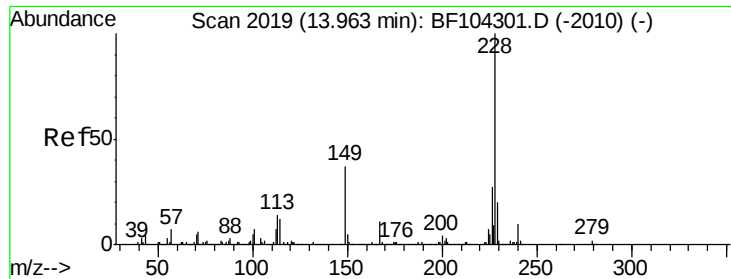
Sohil
4/26/2018 6:15:02 PM



#78
Terphenyl-d14
Concen: 3.803 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.01 min
Lab File: BF104814.D
Acq: 26 Apr 2018 3:52

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.9	5.4	8.0
122	10.6	11.0	16.4#





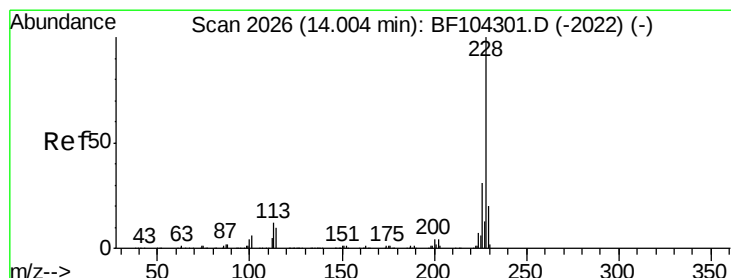
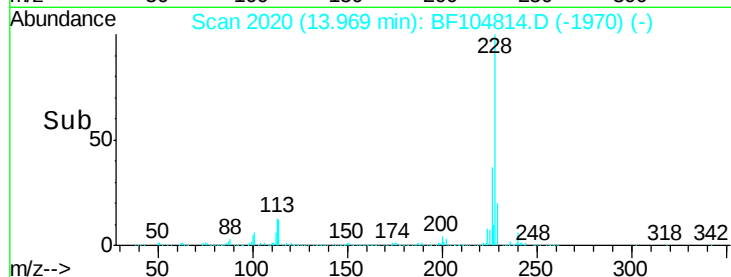
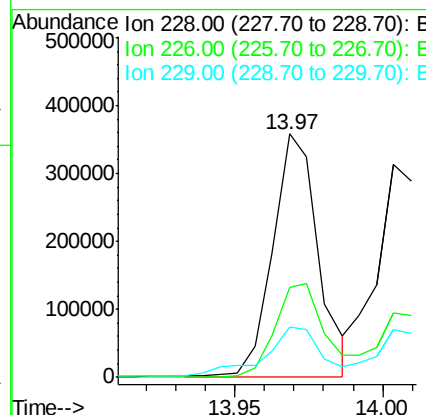
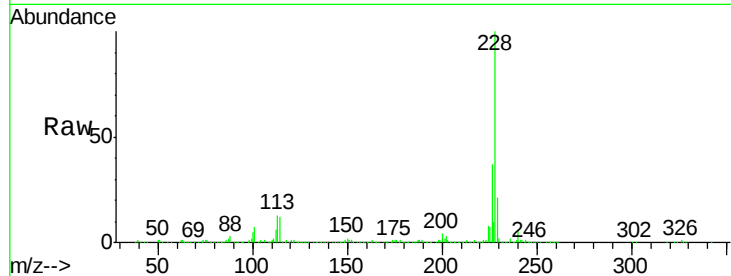
#80
Benzo(a)anthracene
Concen: 33.941 ng m
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF104814.D
Acq: 26 Apr 2018 3:52

Instrument :
BNA_F
ClientSampleId :
A2-SB02-W-7

Tot Ion	Ratio	Lower	Upper
228	100		
226	37.1	22.6	33.8
229	20.8	15.8	23.6

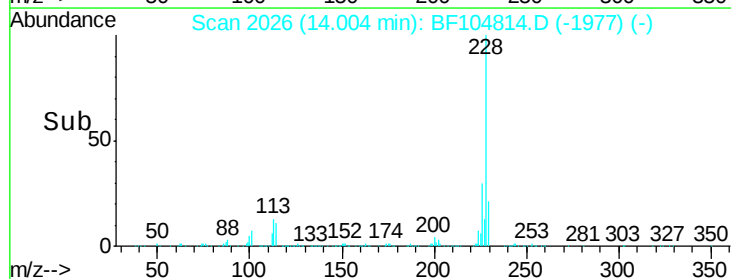
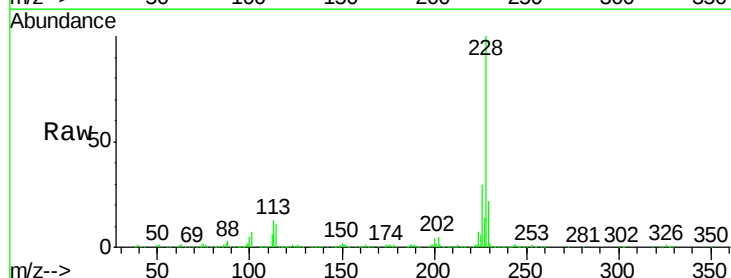
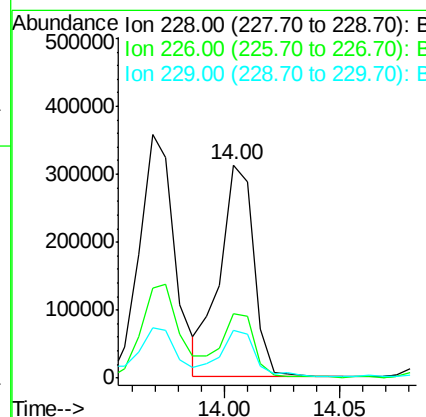
Manual Integrations
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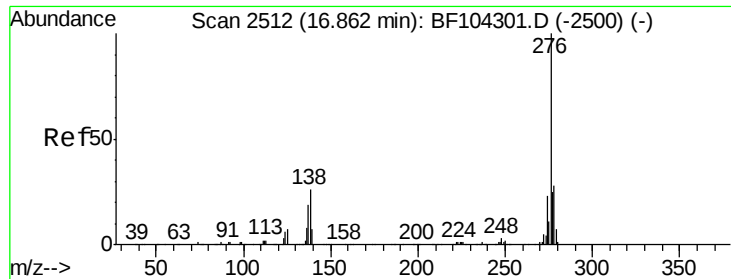
Sohil
4/26/2018 6:15:02 PM



#82
Chrysene
Concen: 27.507 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF104814.D
Acq: 26 Apr 2018 3:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.0	37.6
229	22.2	16.2	24.4





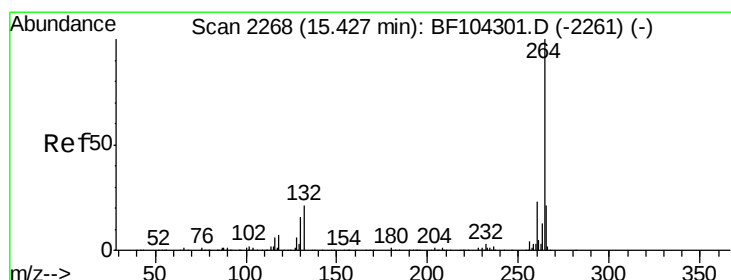
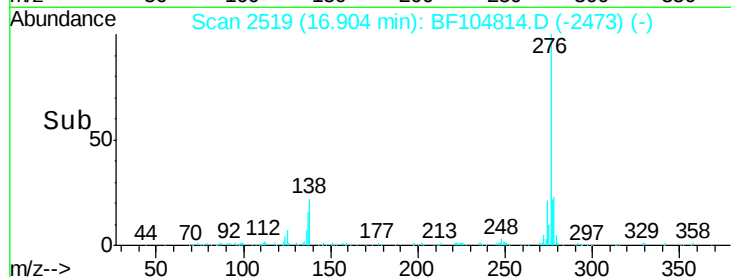
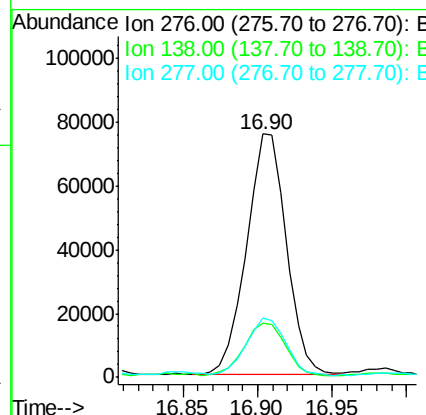
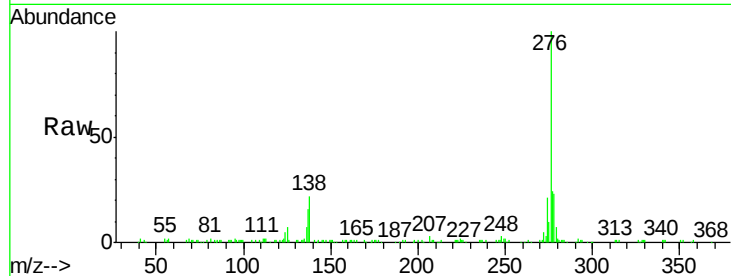
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 14.012 ng
 RT: 16.90 min Scan# 2519
 Delta R.T. -0.03 min
 Lab File: BF104814.D
 Acq: 26 Apr 2018 3:52

Instrument :
 BNA_F
 ClientSampleId :
 A2-SB02-W-7

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.6	25.0	37.6#
277	23.8	20.1	30.1

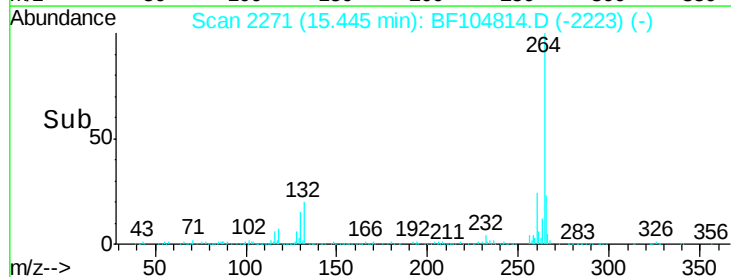
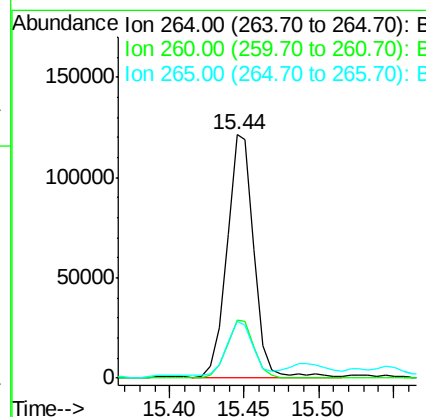
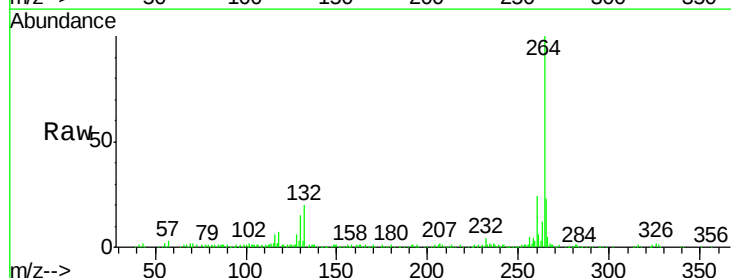
Manual Integrations
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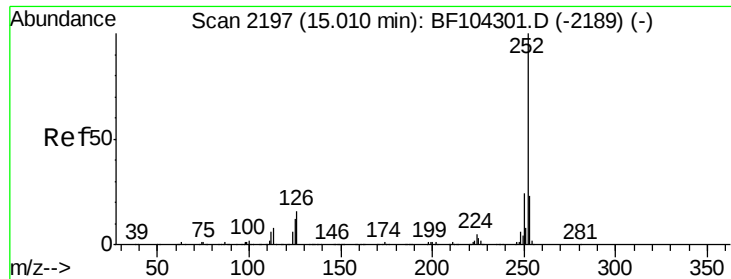
Sohil
 4/26/2018 6:15:02 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2271
 Delta R.T. -0.02 min
 Lab File: BF104814.D
 Acq: 26 Apr 2018 3:52

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	23.5	17.5	26.3





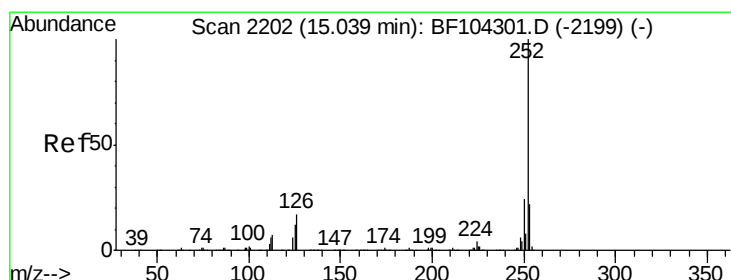
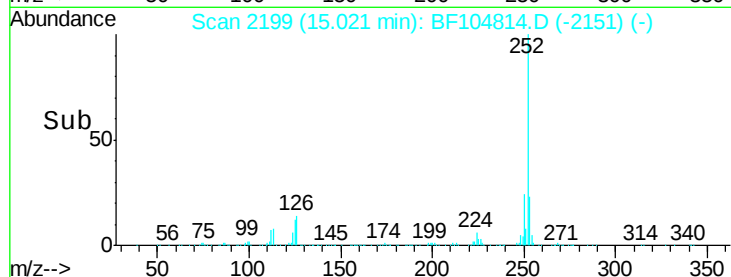
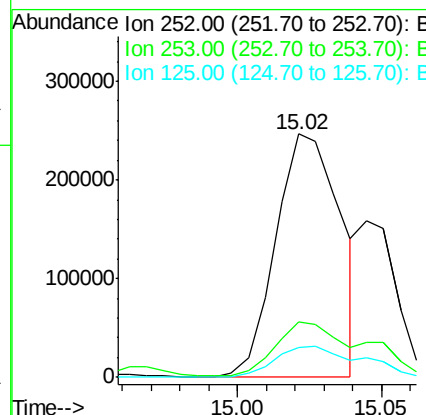
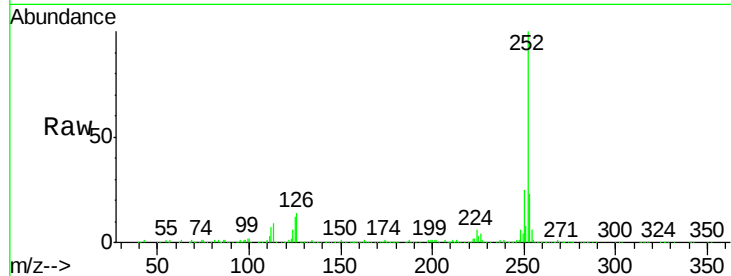
#87
Benzo(b)fluoranthene
Concen: 39.908 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.02 min
Lab File: BF104814.D
Acq: 26 Apr 2018 3:52

Instrument :
BNA_F
ClientSampleId :
A2-SB02-W-7

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	12.2	9.0	13.6

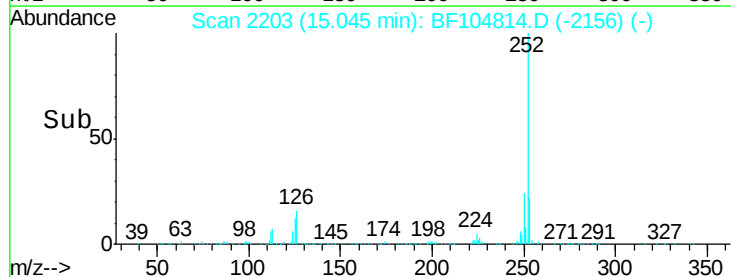
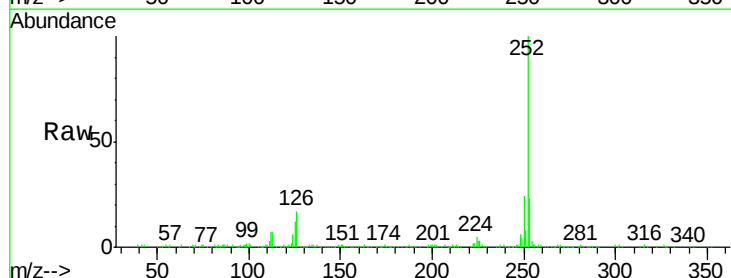
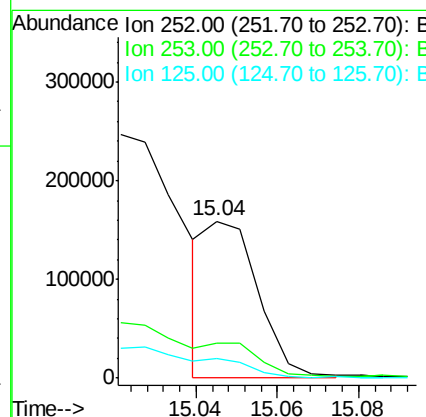
Manual Integrations
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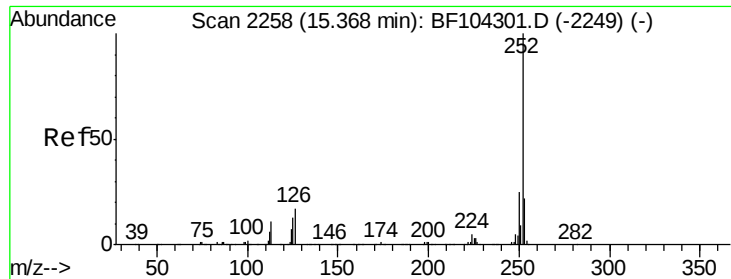
Sohil
4/26/2018 6:15:02 PM



#88
Benzo(k)fluoranthene
Concen: 15.402 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.02 min
Lab File: BF104814.D
Acq: 26 Apr 2018 3:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.9	26.9
125	12.2	10.2	15.2





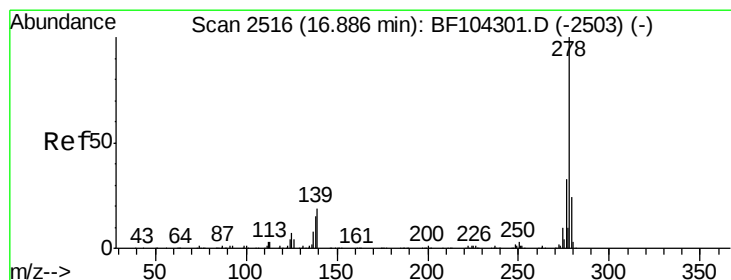
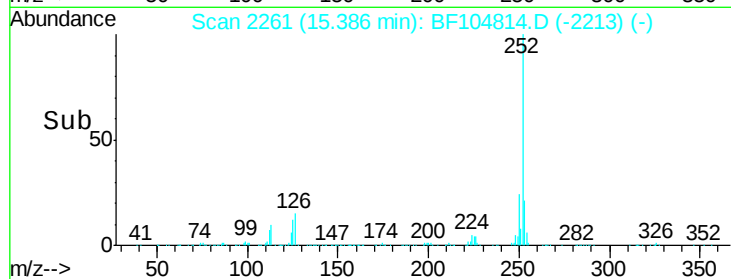
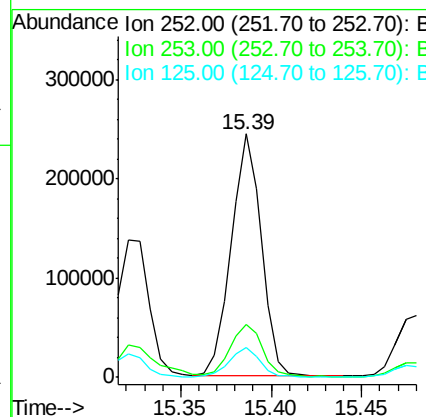
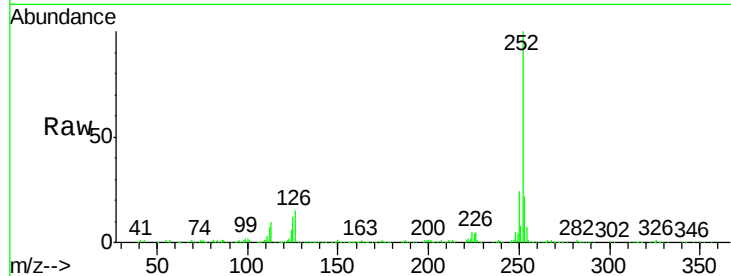
#89
Benzo(a)pyrene
Concen: 32.619 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.02 min
Lab File: BF104814.D
Acq: 26 Apr 2018 3:52

Instrument :
BNA_F
ClientSampleId :
A2-SB02-W-7

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.1	25.7
125	12.4	9.8	14.6

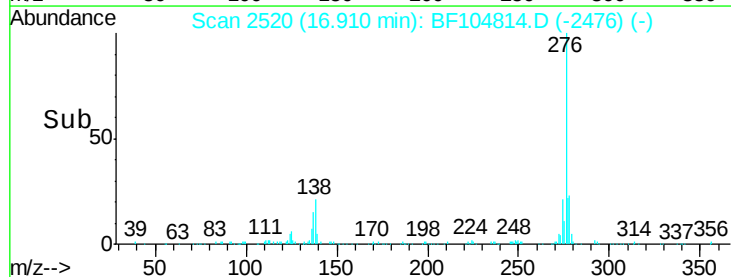
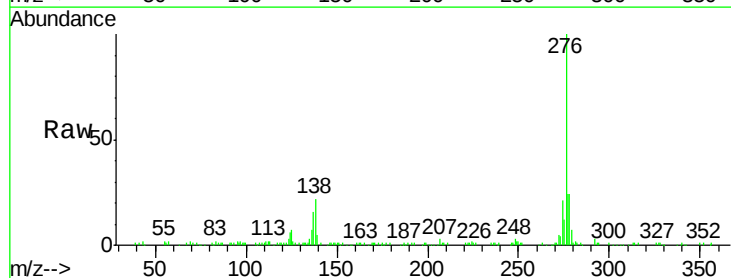
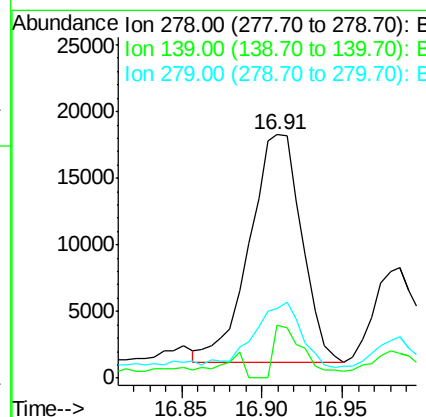
Manual Integrations
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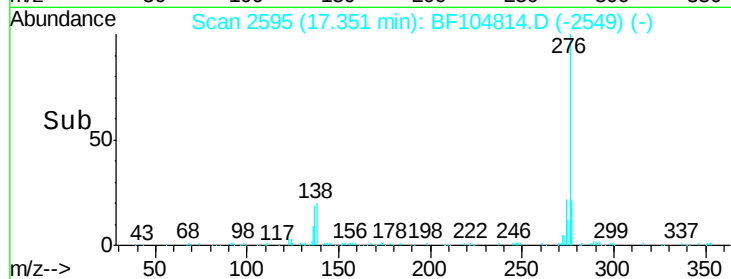
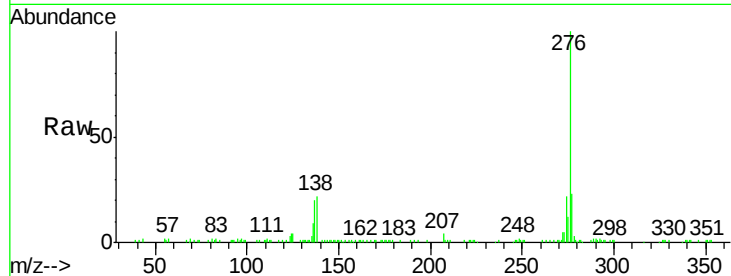
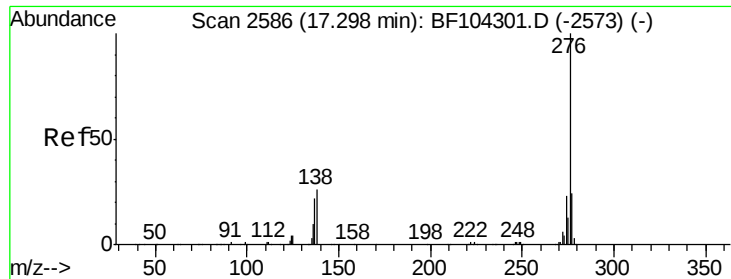
Sohil
4/26/2018 6:15:02 PM



#90
Dibenzo(a,h)anthracene
Concen: 5.438 ng m
RT: 16.91 min Scan# 2520
Delta R.T. -0.04 min
Lab File: BF104814.D
Acq: 26 Apr 2018 3:52

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.6	15.9	23.9
279	28.6	19.0	28.4





#91

Benzo(a,h,i)perylene

Concen: 18.321 ng

RT: 17.35 min Scan# 2595

Delta R.T. -0.03 min

Lab File: BF104814.D

Acq: 26 Apr 2018 3:52

Instrument :

BNA_F

ClientSampleId :

A2-SB02-W-7

Tot Ion:	276	Resp:	126522
Ion Ratio	Lower	Upper	
276	100		
277	23.3	17.9	26.9
138	22.1	21.8	32.8

Manual Integrations
APPROVED

Sohil
4/26/2018 6:15:02 PM

