

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041818\
 Data File : BF104600.D
 Acq On : 18 Apr 2018 14:38
 Operator : JU/SJ
 Sample : J2423-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NYS-RBR200034

Manual Integrations
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Sohil
 4/19/2018 12:43:03 PM

Quant Time: Apr 18 15:18:09 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 18 11:52:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	123815	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	466648	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	173498	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	263343	20.00	ng	0.00
75) Chrysene-d12	13.97	240	262297	20.00	ng	0.00
86) Perylene-d12	15.44	264	300587	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	740024	91.39	ng	0.00
7) Phenol-d6	6.44	99	872519	87.70	ng	0.00
23) Nitrobenzene-d5	7.37	82	532771	74.55	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	157010	87.24	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	868058	79.04	ng	0.00
78) Terphenyl-d14	12.92	244	671177	58.34	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.56	163	81964	5.991	ng	99
51) Acenaphthene	9.87	154	210537	19.104	ng	100
54) Dibenzofuran	10.05	168	152640	9.939	ng	100
57) Fluorene	10.39	166	279093	24.966	ng	100
70) Phenanthrene	11.36	178	1253904	85.501	ng	99
71) Anthracene	11.40	178	182791	12.262	ng	99
72) Carbazole	11.56	167	42639	2.927	ng	98
74) Fluoranthene	12.55	202	1498730	97.812	ng	99
77) Pyrene	12.78	202	1117711	57.488	ng	100
80) Benzo(a)anthracene	13.97	228	391857	25.007	ng	99
82) Chrysene	14.00	228	280966	17.456	ng	98
85) Indeno(1,2,3-cd)pyrene	16.89	276	48698	3.562	ng	94
87) Benzo(b)fluoranthene	15.02	252	279318m	14.713	ng	
88) Benzo(k)fluoranthene	15.04	252	90429m	5.045	ng	
89) Benzo(a)pyrene	15.37	252	146898	8.648	ng	97
91) Benzo(g,h,i)perylene	17.32	276	40655	3.008	ng	# 95

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

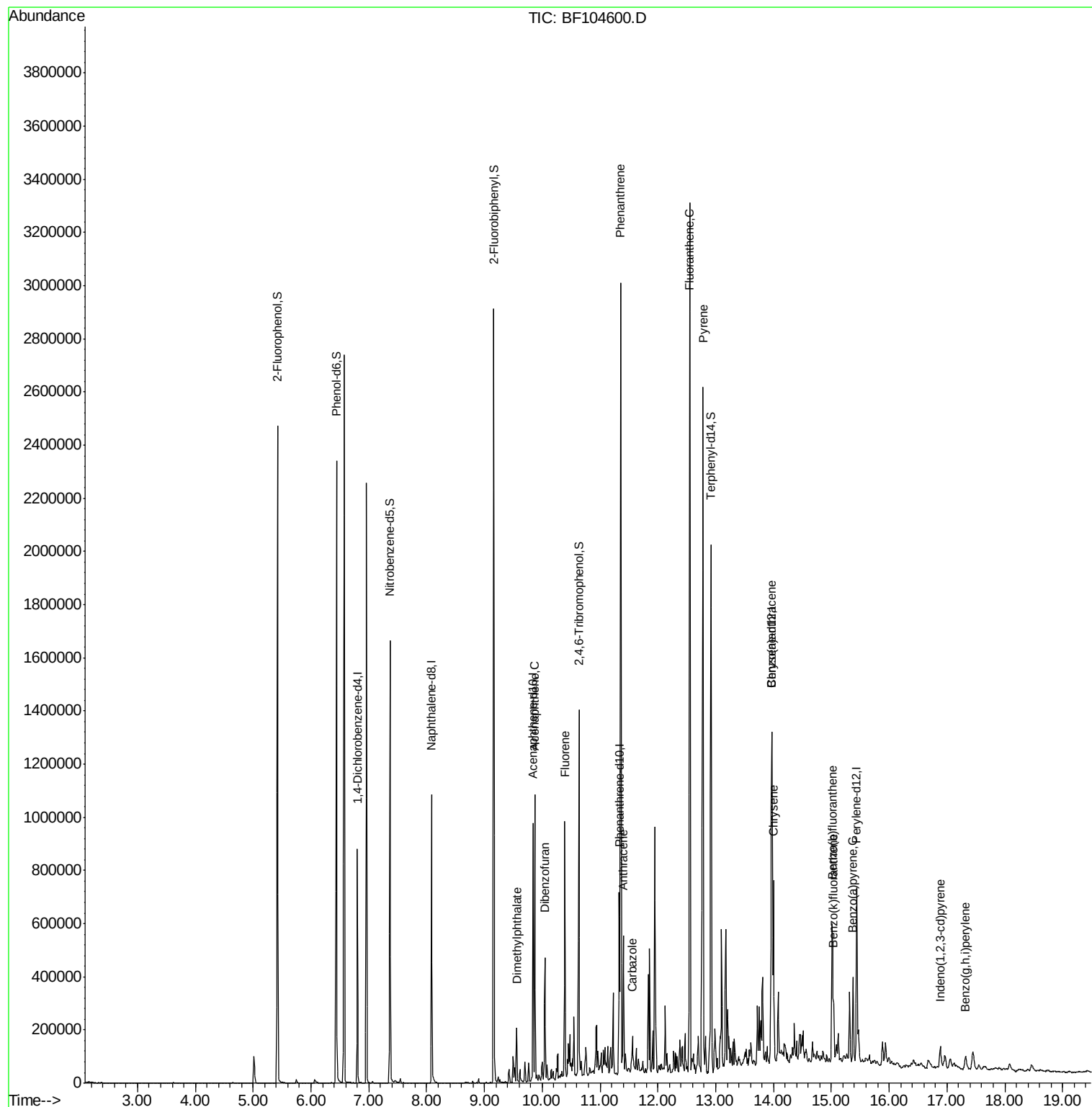
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041818\
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Sample : J2423-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

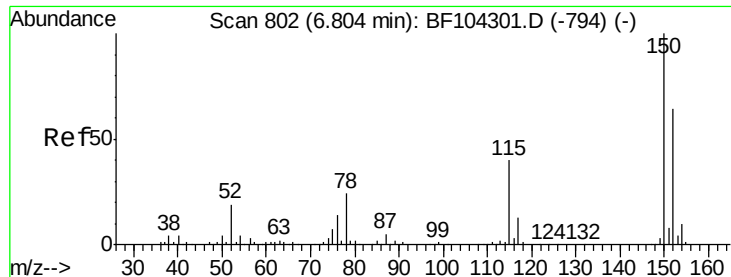
Instrument :
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#1

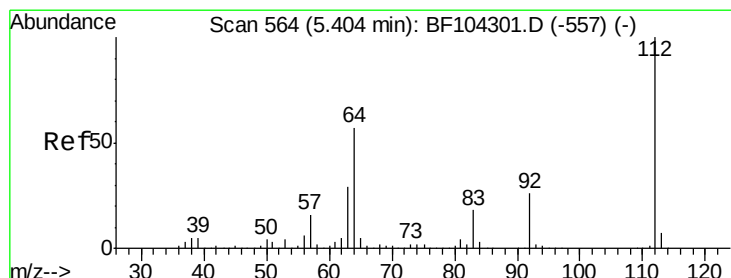
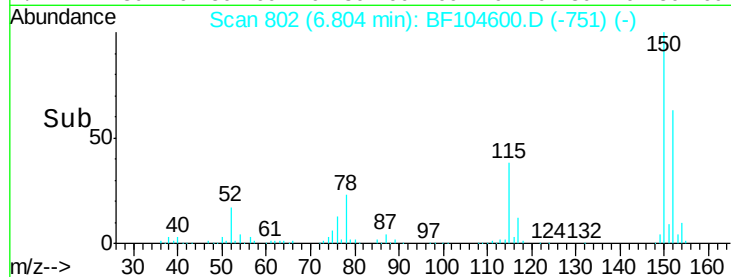
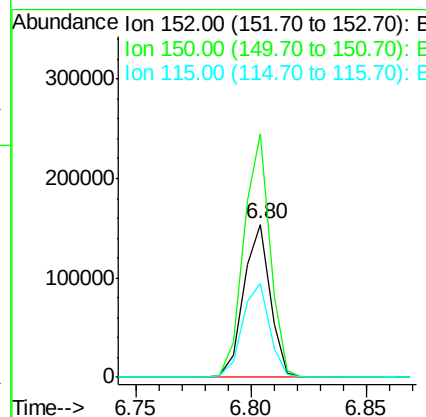
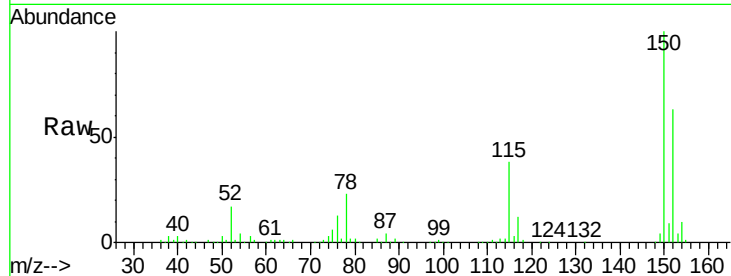
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104600.D
Acq: 18 Apr 2018 14:38

Instrument :
BNA_F
ClientSampleId :
NYS-RBR200034

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	124.6	186.8
115	61.0	50.1	75.1

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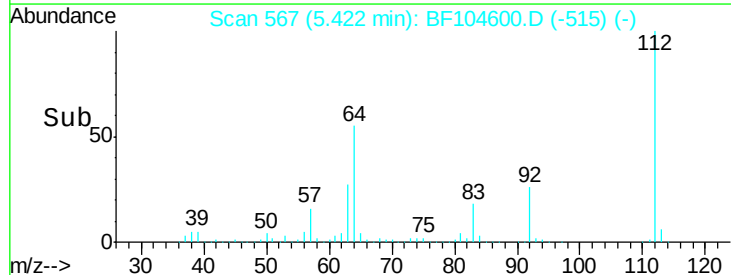
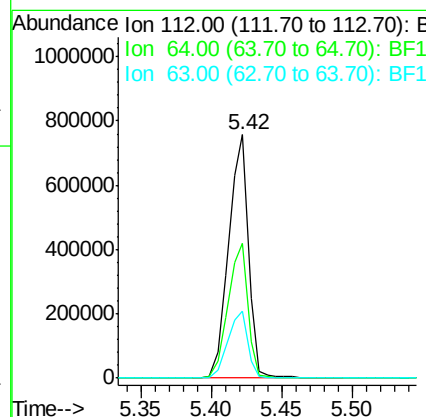
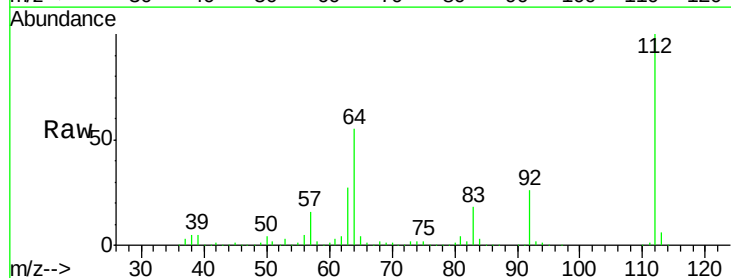
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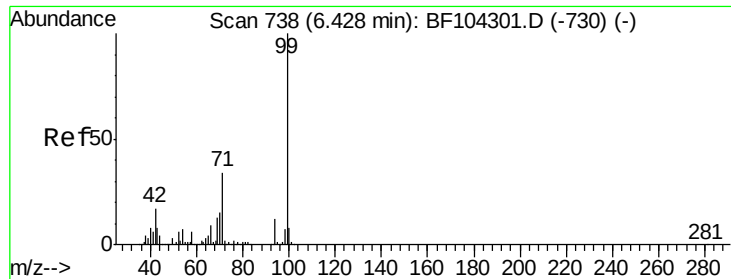


#5

2-Fluorophenol
Concen: 91.389 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104600.D
Acq: 18 Apr 2018 14:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.2	47.9	71.9
63	27.3	23.7	35.5





#7

Phenol-d6

Concen: 87.698 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF104600.D

Acq: 18 Apr 2018 14:38

Instrument :

BNA_F

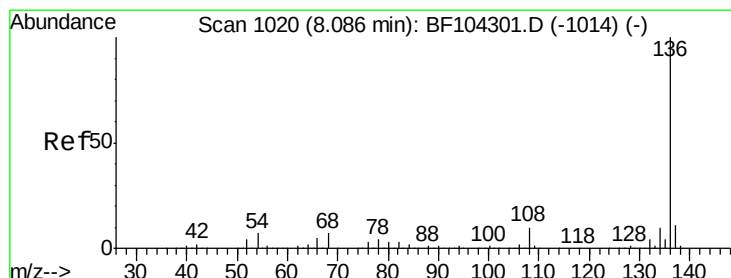
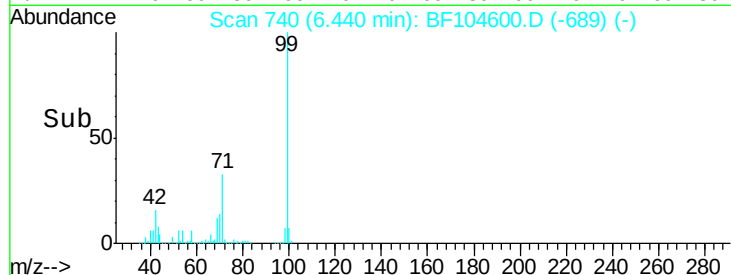
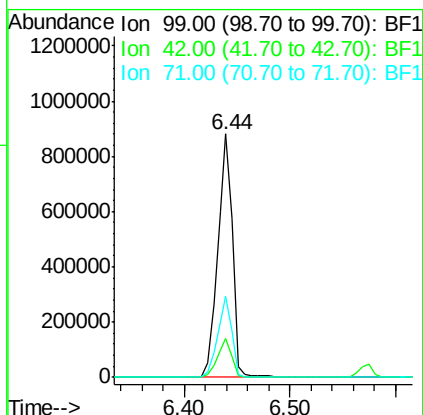
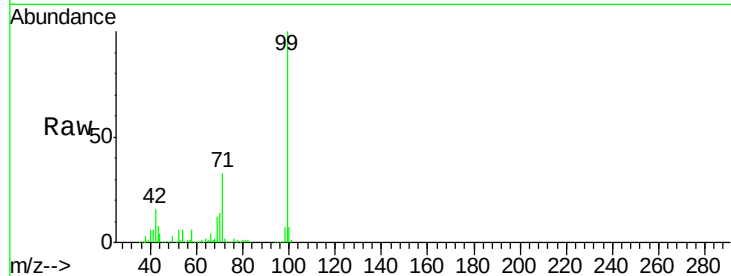
ClientSampleId :

NYS-RBR200034

Tot Ion:	99	Resp:	872519
Ion	Ratio	Lower	Upper
99	100		
42	16.1	14.5	21.7
71	33.4	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

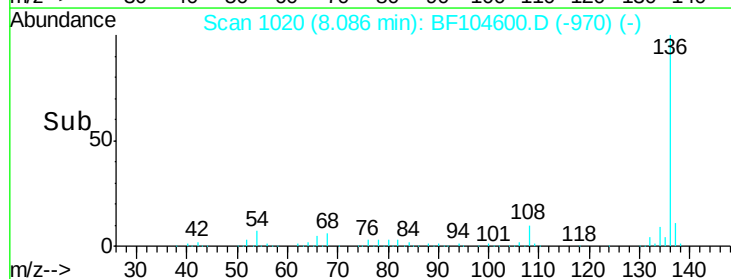
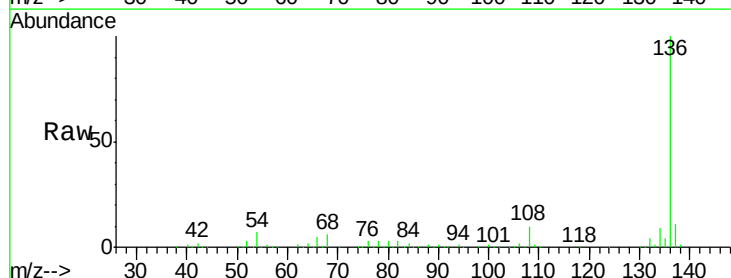
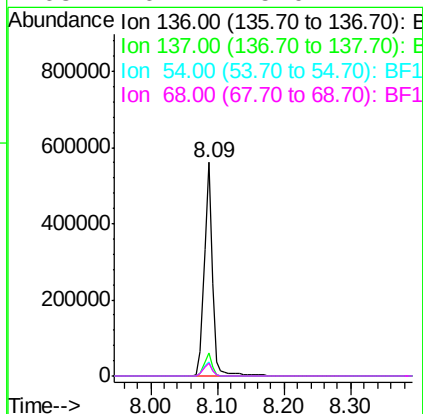
RT: 8.09 min Scan# 1020

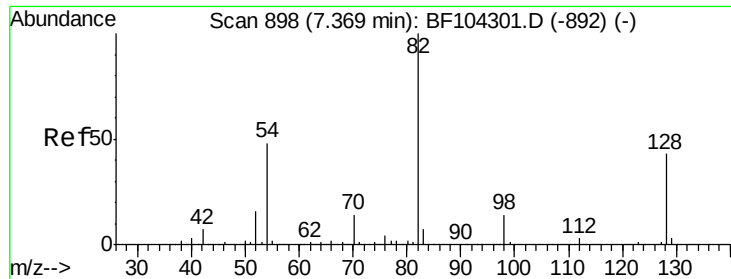
Delta R.T. -0.01 min

Lab File: BF104600.D

Acq: 18 Apr 2018 14:38

Tgt Ion:	136	Resp:	466648
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	6.9	6.6	9.8
68	6.2	5.0	7.4





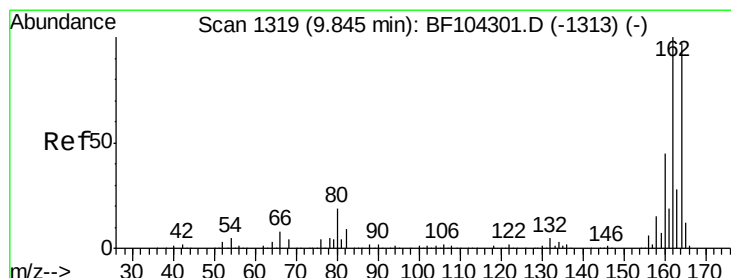
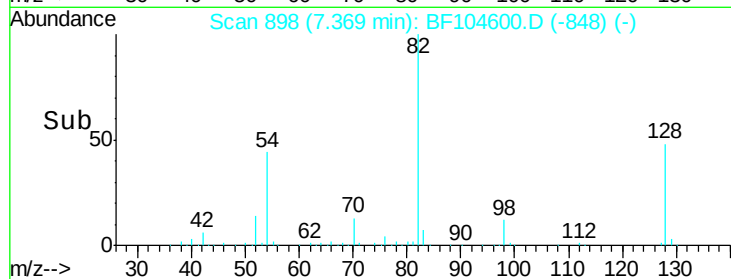
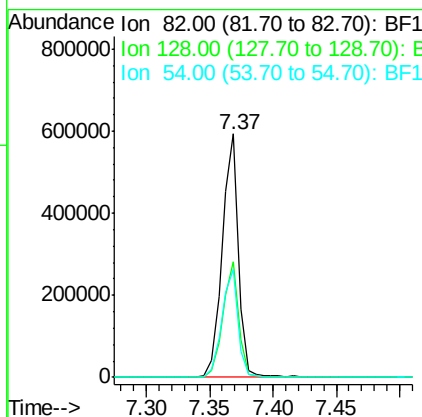
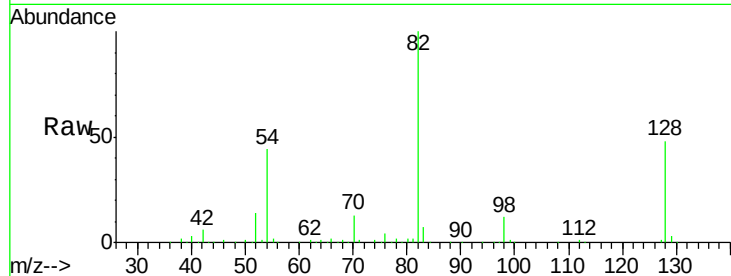
#23
 Nitrobenzene-d5
 Concen: 74.551 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: BF104600.D
 Acq: 18 Apr 2018 14:38

Instrument :
 BNA_F
 ClientSampleId :
 NYS-RBR200034

Tot Ion	Ratio	Resp	Lower	Upper
82	100	532771		
128	47.5	36.1	54.1	
54	44.4	41.4	62.2	

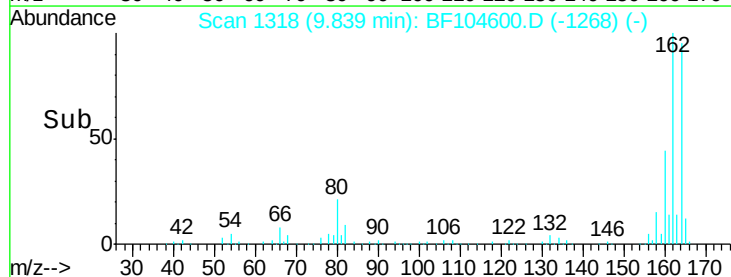
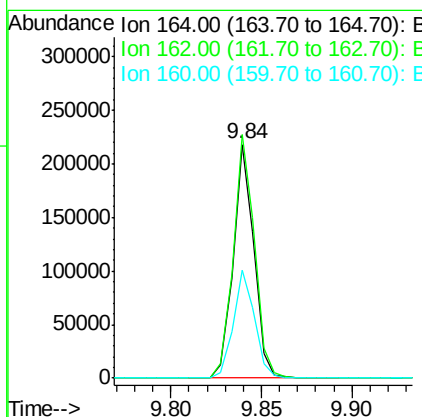
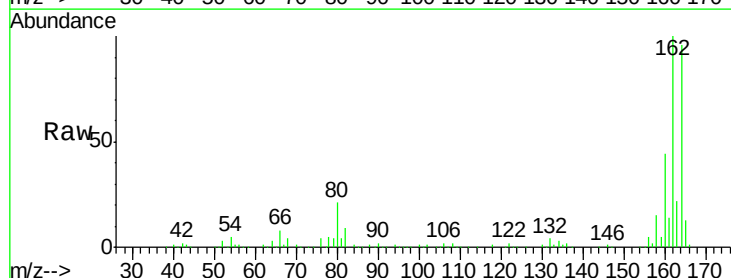
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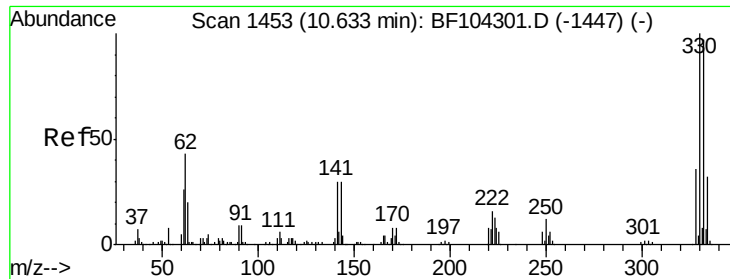
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: BF104600.D
 Acq: 18 Apr 2018 14:38

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	173498		
162	104.1	86.1	129.1	
160	45.9	38.3	57.5	





#41

2,4,6-Tribromophenol

Concen: 87.240 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF104600.D

Acq: 18 Apr 2018 14:38

Instrument :

BNA_F

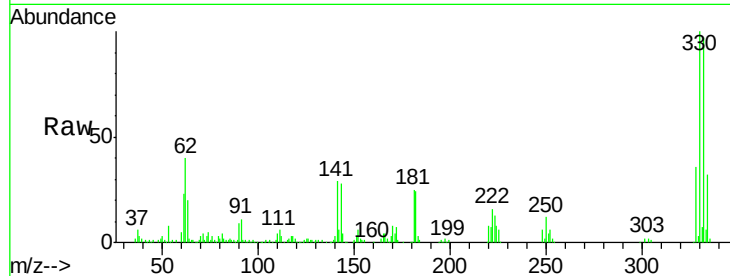
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NYS-RBR200034

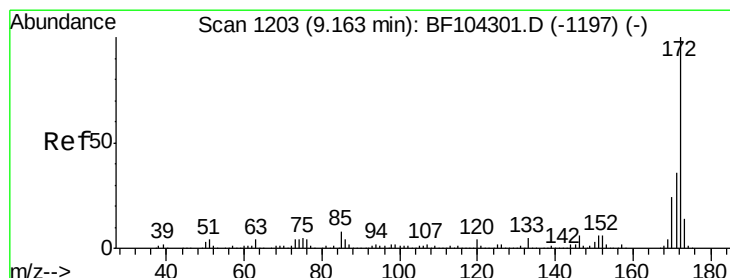
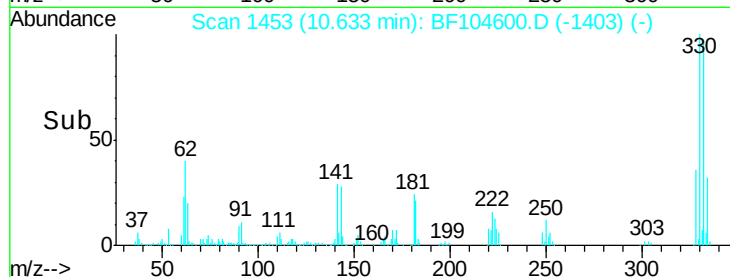
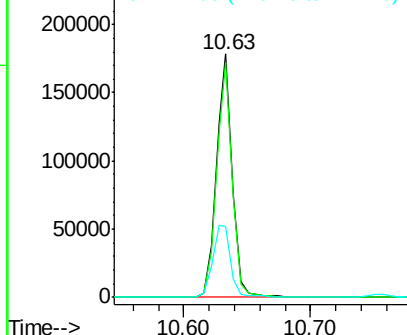
Tot Ion:	330	Resp:	157010
Ion Ratio	Lower	Upper	
330	100		
332	95.5	77.0	115.6
141	34.8	29.9	44.9

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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: 79.039 ng

RT: 9.16 min Scan# 1203

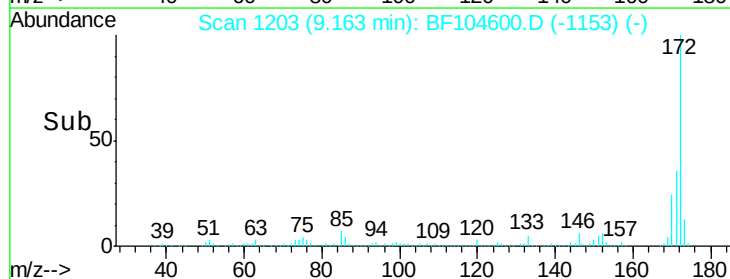
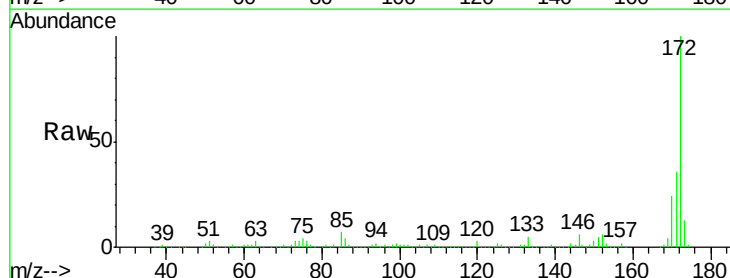
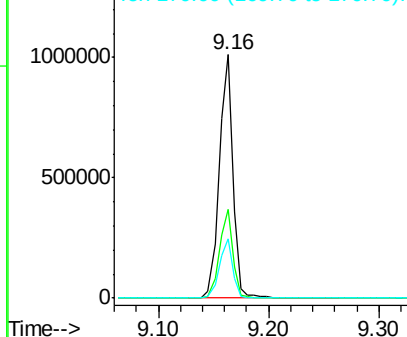
Delta R.T. -0.01 min

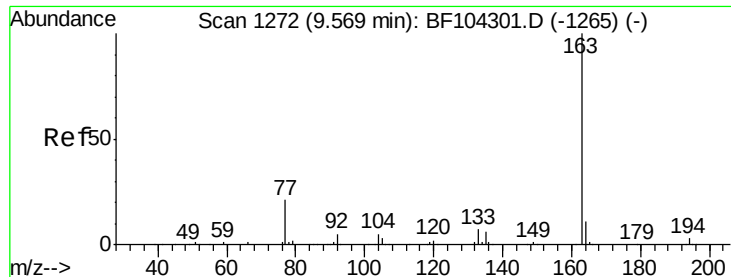
Lab File: BF104600.D

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Tgt Ion:	172	Resp:	868058
Ion Ratio	Lower	Upper	
172	100		
171	36.3	29.7	44.5
170	24.5	19.6	29.4

Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





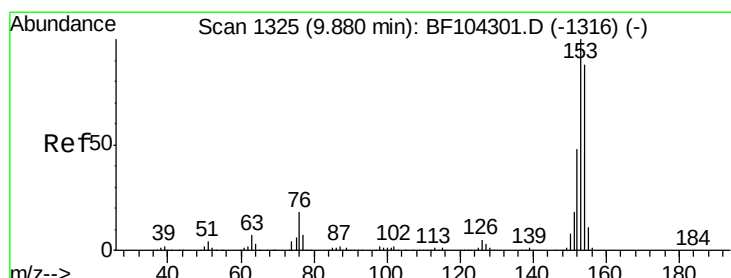
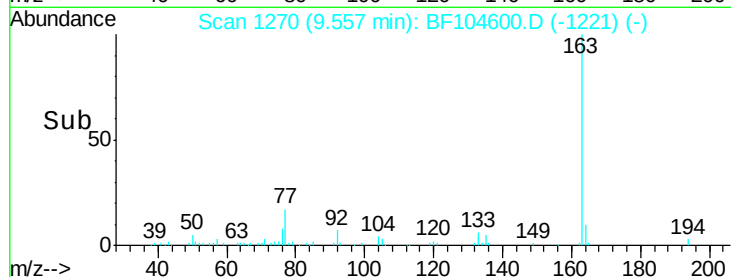
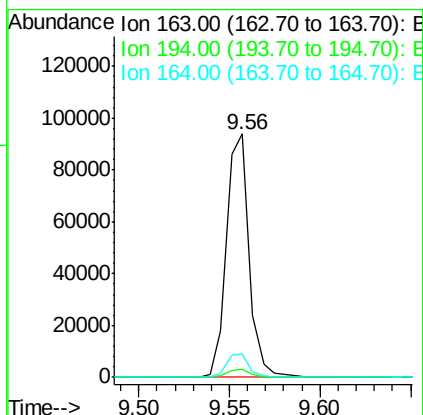
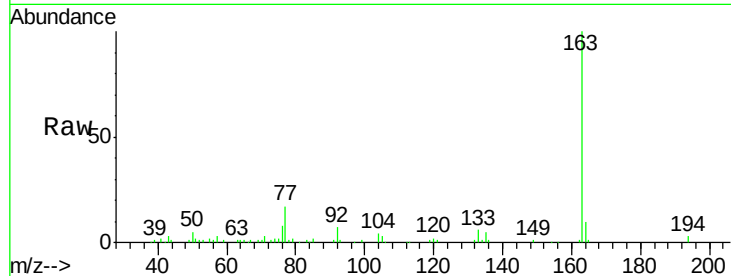
#49
Dimethylphthalate
Concen: 5.991 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF104600.D
Acq: 18 Apr 2018 14:38

Instrument :
BNA_F
ClientSampleId :
NYS-RBR200034

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.7	4.1
164	9.5	8.2	12.2

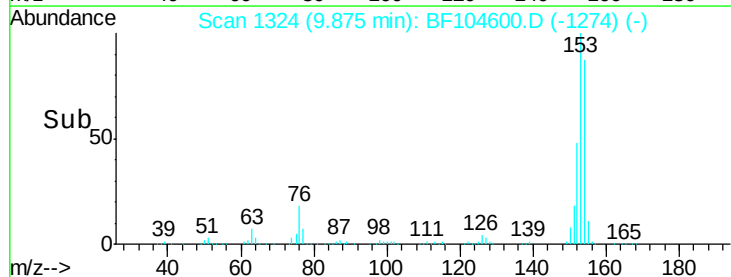
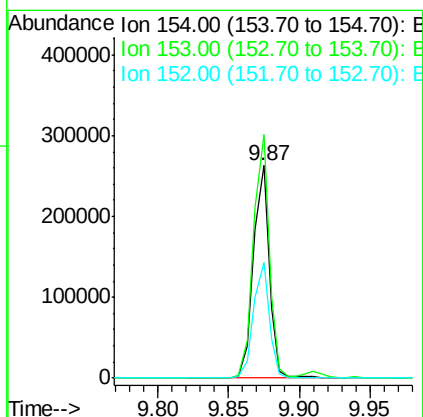
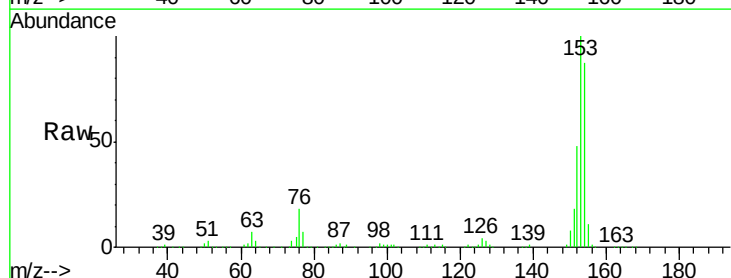
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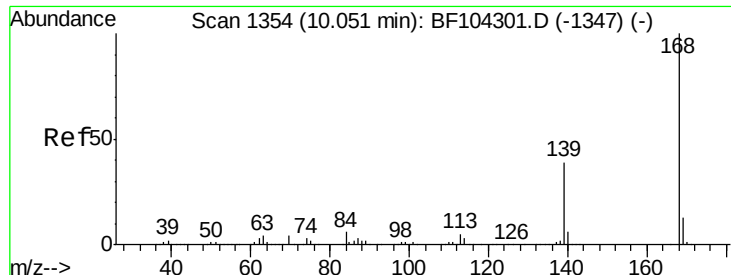
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#51
Acenaphthene
Concen: 19.104 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF104600.D
Acq: 18 Apr 2018 14:38

Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.6	91.2	136.8
152	54.6	43.8	65.8





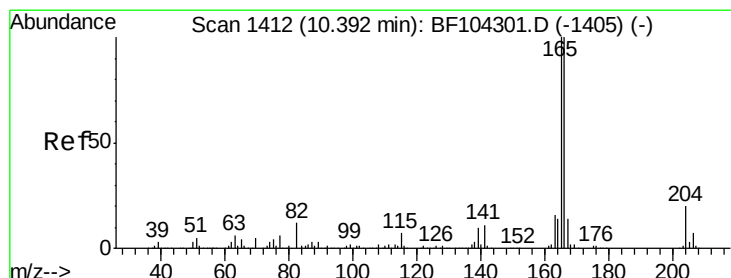
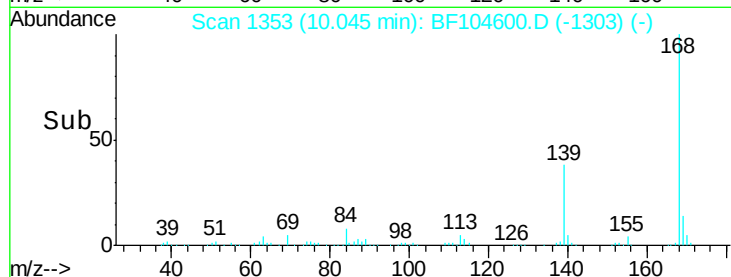
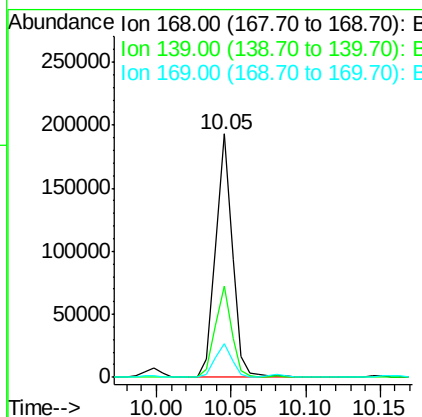
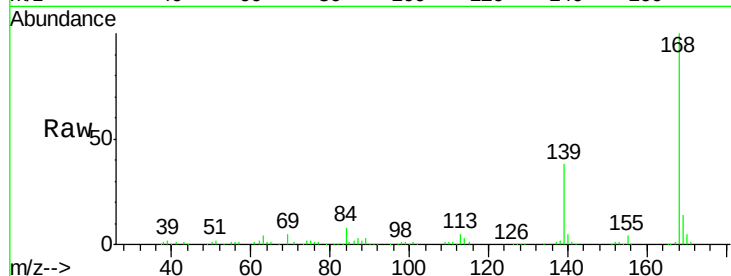
#54
Dibenzenofuran
Concen: 9.939 ng
RT: 10.05 min Scan# 1353
Delta R.T. -0.01 min
Lab File: BF104600.D
Acq: 18 Apr 2018 14:38

Instrument :
BNA_F
ClientSampleId :
NYS-RBR200034

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.7	30.1	45.1
169	14.1	10.9	16.3

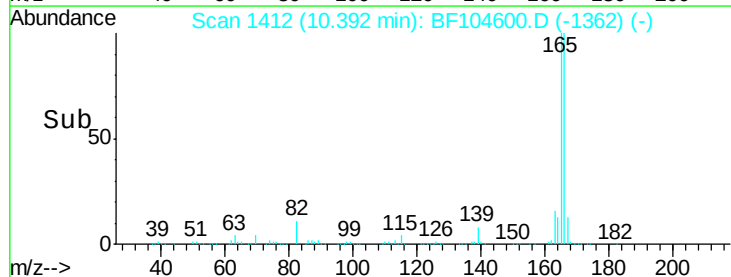
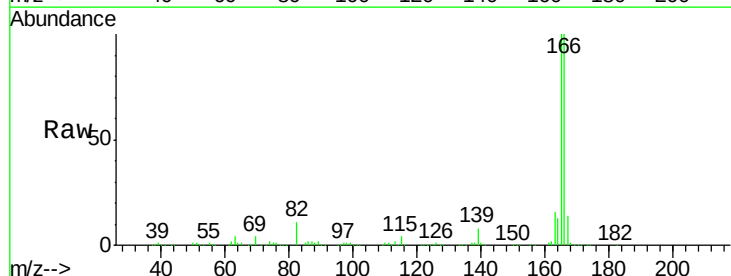
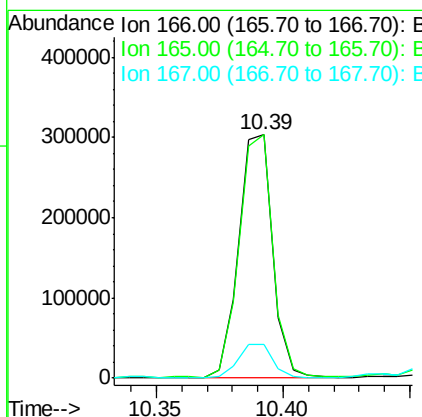
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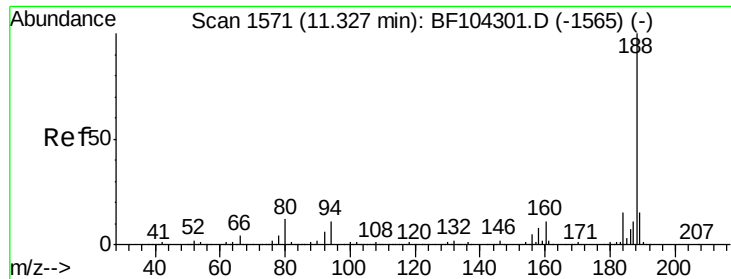
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#57
Fluorene
Concen: 24.966 ng
RT: 10.39 min Scan# 1412
Delta R.T. -0.01 min
Lab File: BF104600.D
Acq: 18 Apr 2018 14:38

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.0	79.8	119.8
167	13.6	10.6	16.0





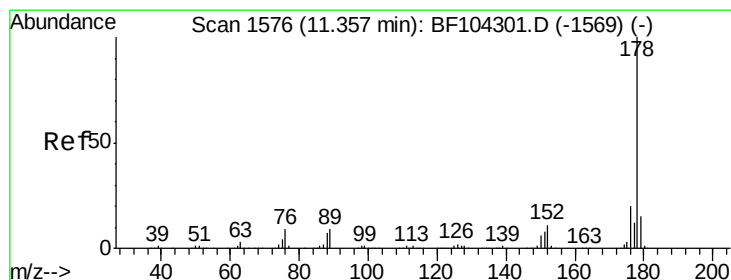
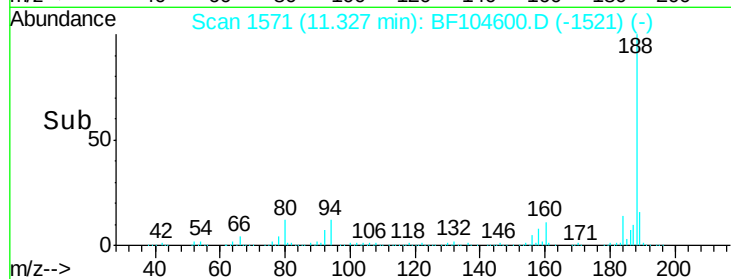
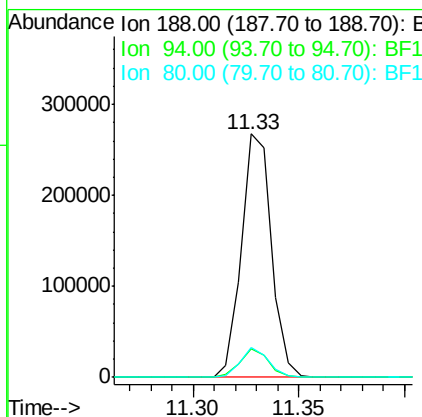
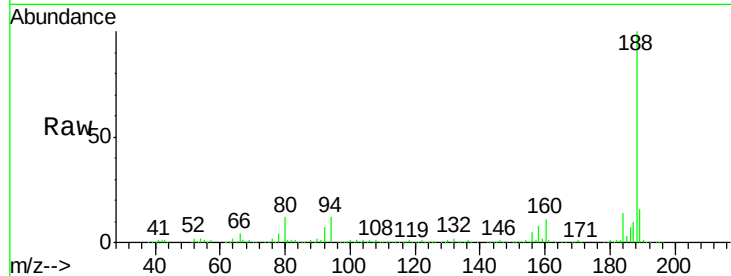
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF104600.D
 Acq: 18 Apr 2018 14:38

Instrument :
 BNA_F
 ClientSampleId :
 NYS-RBR200034

Tot Ion	Ratio	Resp	Lower	Upper
188	100	263343		
94	11.7		8.5	12.7
80	12.1		9.2	13.8

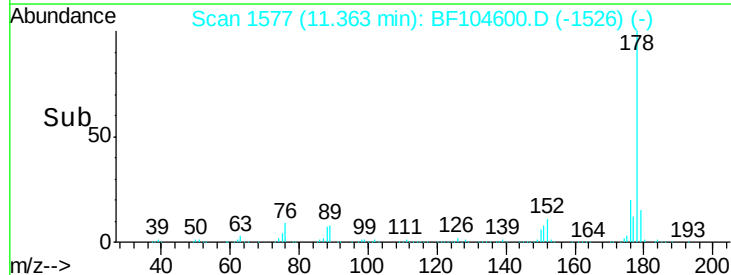
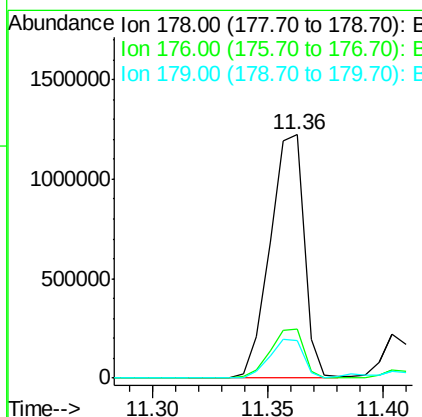
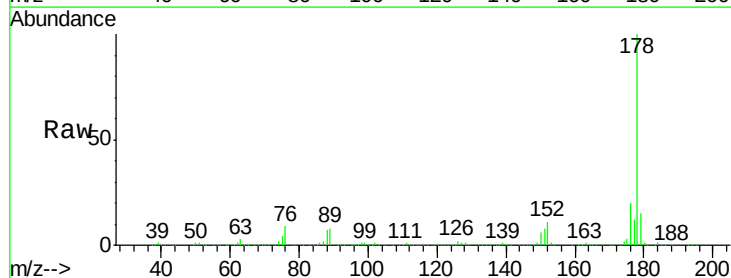
Manual Integrations
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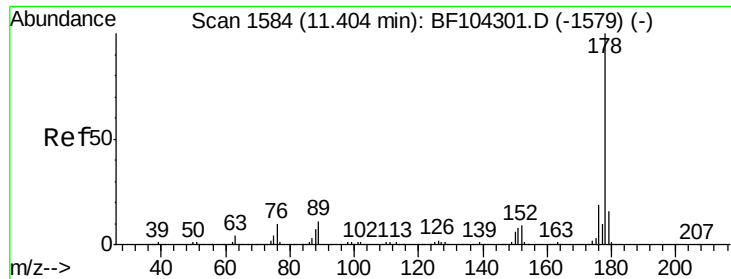
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 4/19/2018 12:43:03 PM



#70
 Phenanthrene
 Concen: 85.501 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.00 min
 Lab File: BF104600.D
 Acq: 18 Apr 2018 14:38

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1253904		
176	20.2		15.8	23.8
179	15.5		13.0	19.6





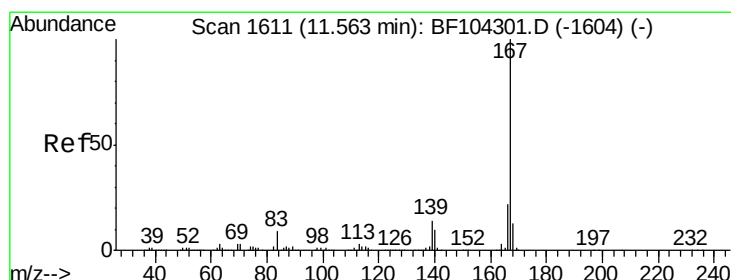
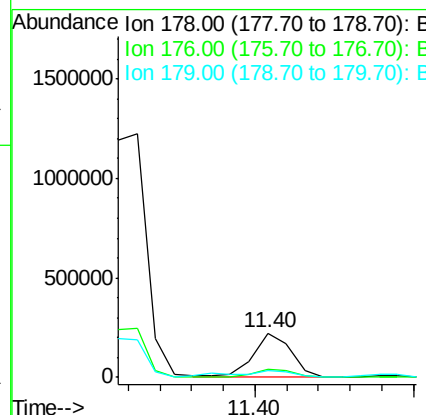
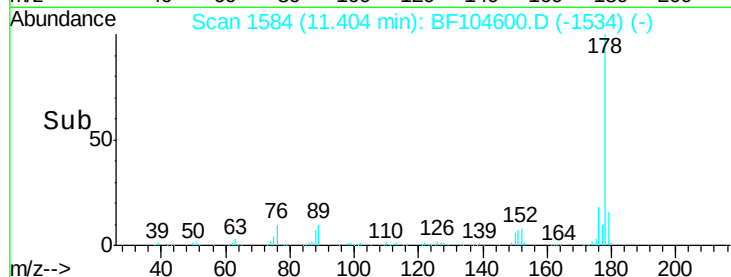
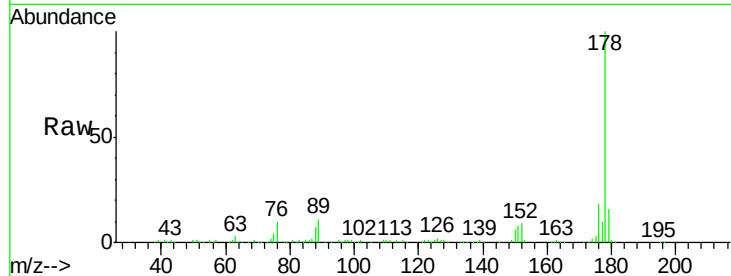
#71
 Anthracene
 Concen: 12.262 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF104600.D
 Acq: 18 Apr 2018 14:38

Instrument :
 BNA_F
 ClientSampleId :
 NYS-RBR200034

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	15.9	12.6	19.0

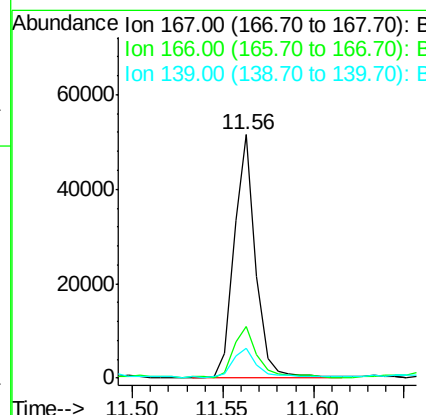
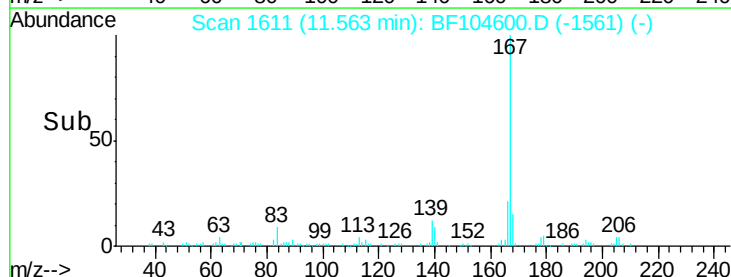
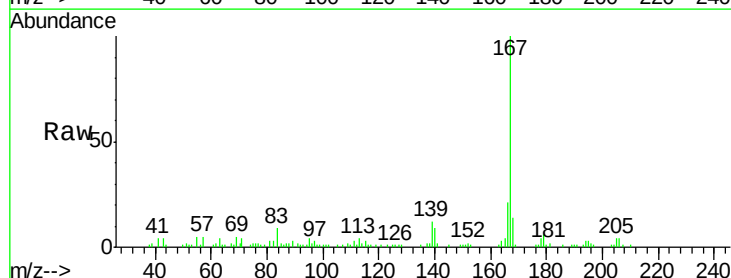
Manual Integrations
 APPROVED

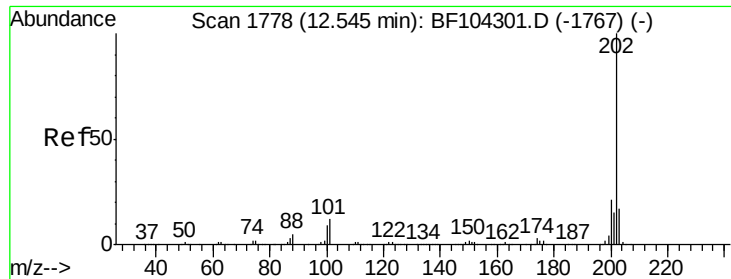
Sohil
 4/19/2018 12:43:03 PM



#72
 Carbazole
 Concen: 2.927 ng
 RT: 11.56 min Scan# 1611
 Delta R.T. -0.01 min
 Lab File: BF104600.D
 Acq: 18 Apr 2018 14:38

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.6	26.4
139	12.3	10.9	16.3





#74

Fluoranthene

Concen: 97.812 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.00 min

Lab File: BF104600.D

Acq: 18 Apr 2018 14:38

Instrument :

BNA_F

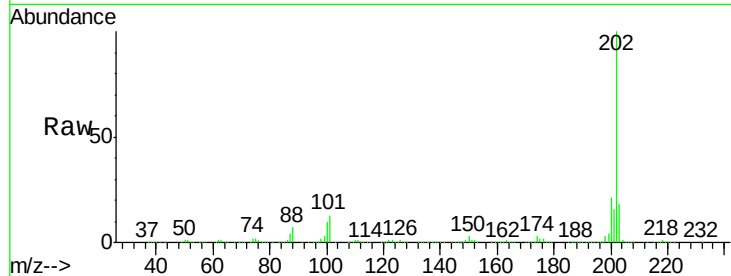
ClientSampleId :

NYS-RBR200034

Tot Ion:	202	Resp:	1498730
Ion	Ratio	Lower	Upper
202	100		
101	13.5	0.0	34.1
203	18.2	0.0	38.1

Manual Integrations
APPROVED

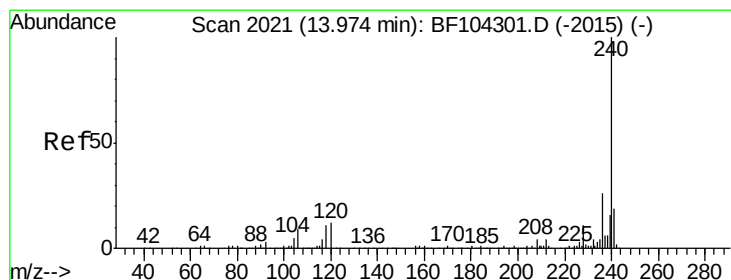
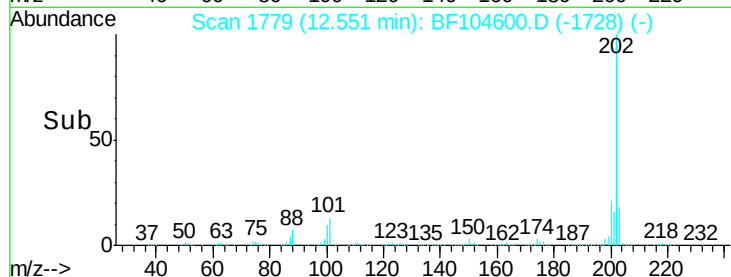
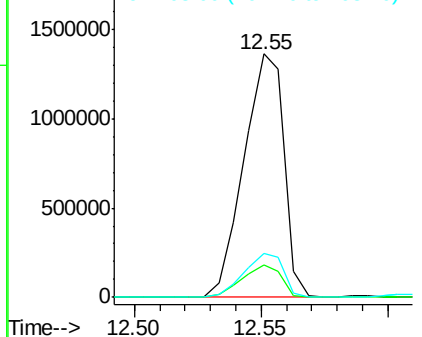
Sohil
4/19/2018 12:43:03 PM



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF104600.D

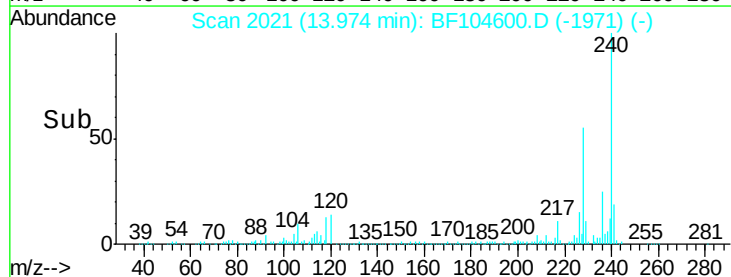
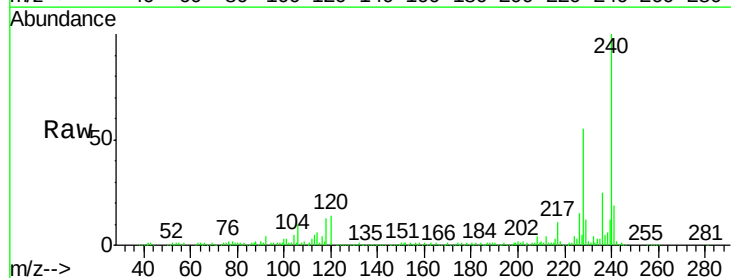
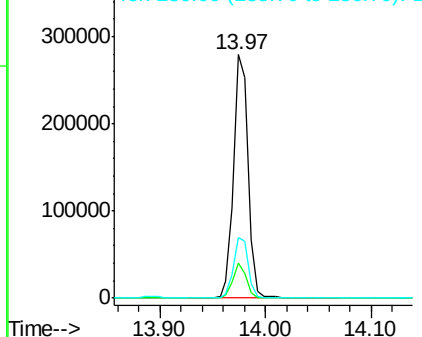
Acq: 18 Apr 2018 14:38

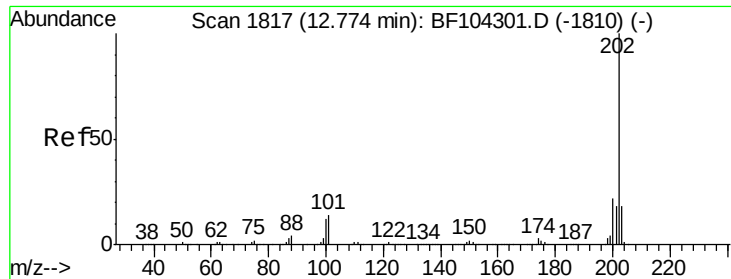
Tgt Ion:	240	Resp:	262297
Ion	Ratio	Lower	Upper
240	100		
120	14.2	9.5	14.3
236	24.9	20.7	31.1

Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





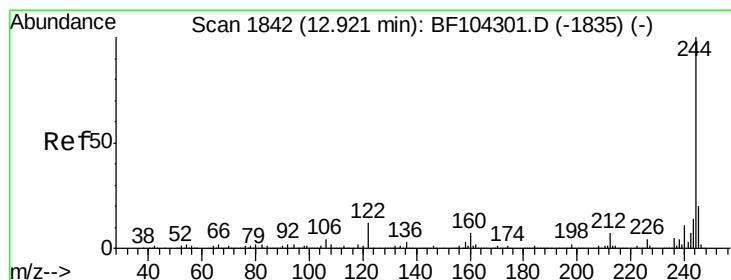
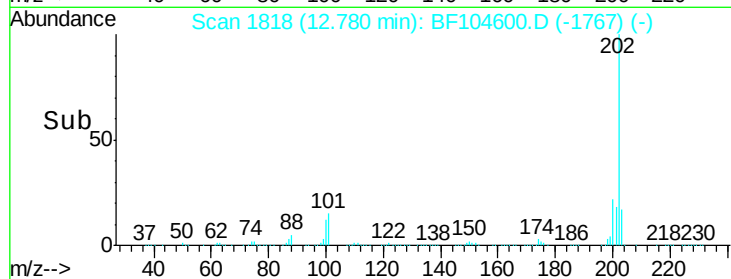
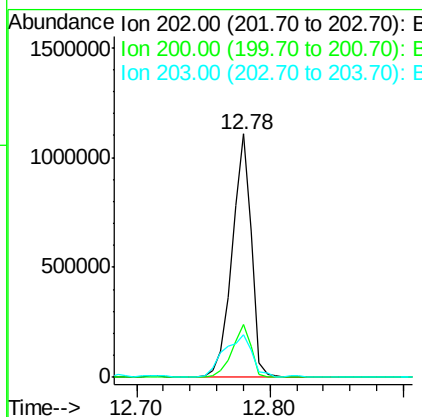
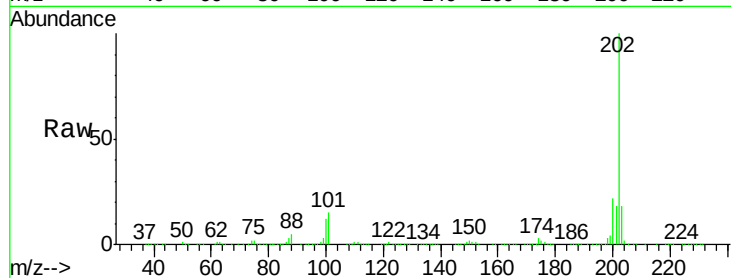
#77
Pvrene
Concen: 57.488 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.00 min
Lab File: BF104600.D
Acq: 18 Apr 2018 14:38

Instrument :
BNA_F
ClientSampleId :
NYS-RBR200034

Tot Ion: 202 Resp: 1117711
Ion Ratio Lower Upper
202 100
200 21.9 17.4 26.2
203 17.6 14.3 21.5

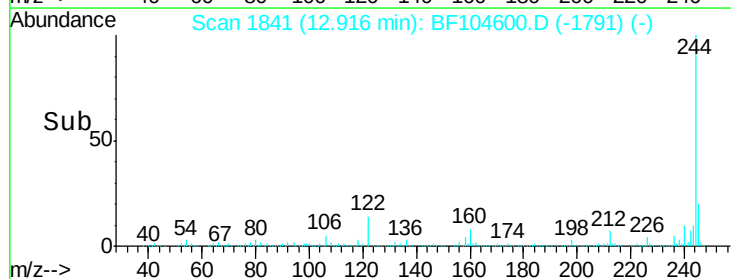
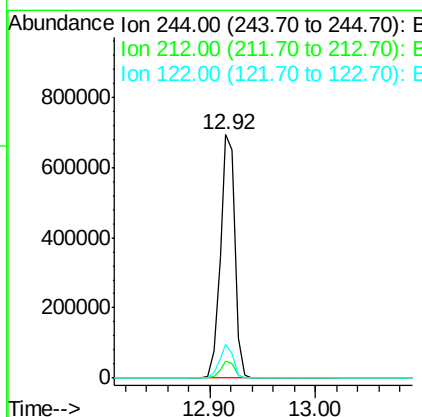
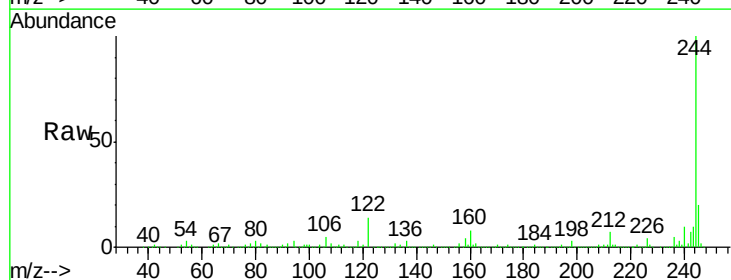
Manual Integrations
APPROVED

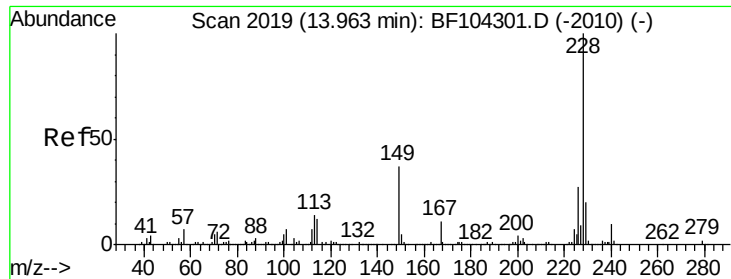
Sohil
4/19/2018 12:43:03 PM



#78
Terphenyl-d14
Concen: 58.337 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.01 min
Lab File: BF104600.D
Acq: 18 Apr 2018 14:38

Tgt Ion: 244 Resp: 671177
Ion Ratio Lower Upper
244 100
212 6.9 5.4 8.0
122 13.8 11.0 16.4





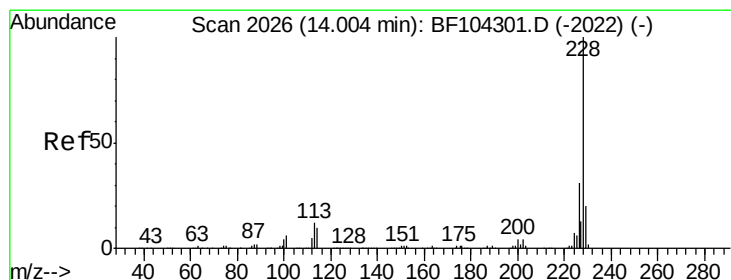
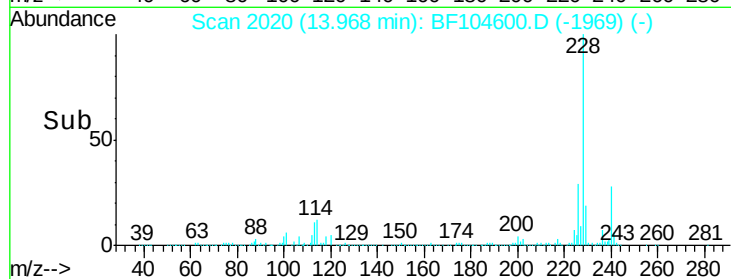
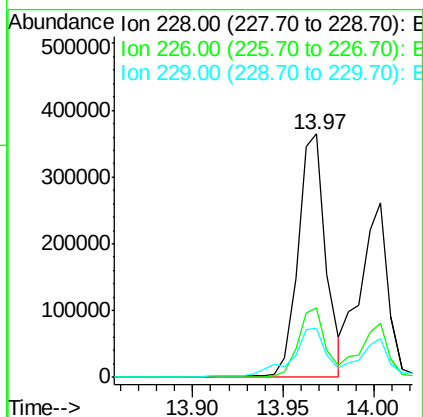
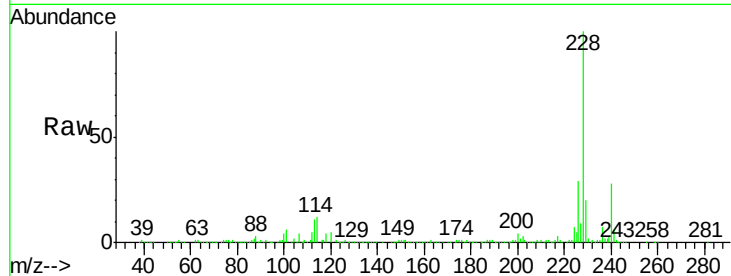
#80
Benzo(a)anthracene
Concen: 25.007 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.00 min
Lab File: BF104600.D
Acq: 18 Apr 2018 14:38

Instrument :
BNA_F
ClientSampleId :
NYS-RBR200034

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.6	33.8
229	19.9	15.8	23.6

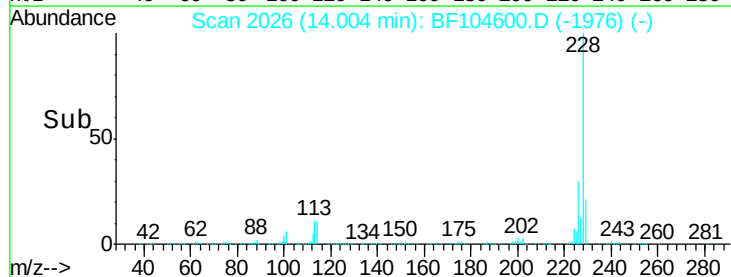
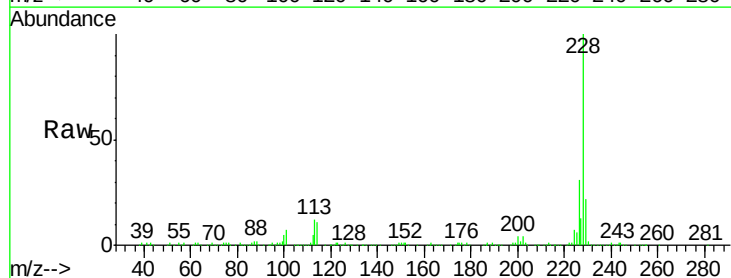
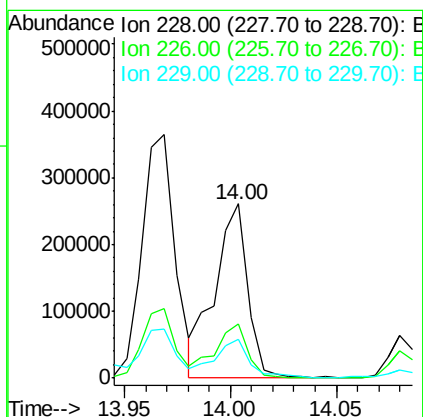
Manual Integrations
APPROVED

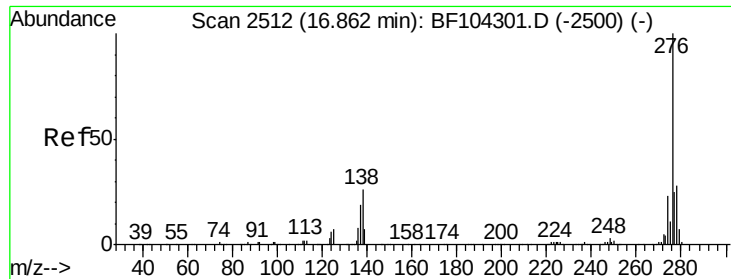
Sohil
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#82
Chrysene
Concen: 17.456 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF104600.D
Acq: 18 Apr 2018 14:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.0	37.6
229	21.9	16.2	24.4





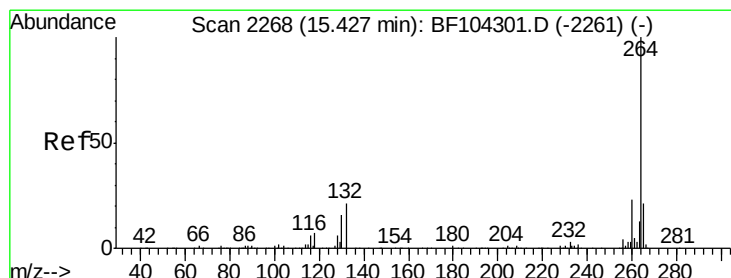
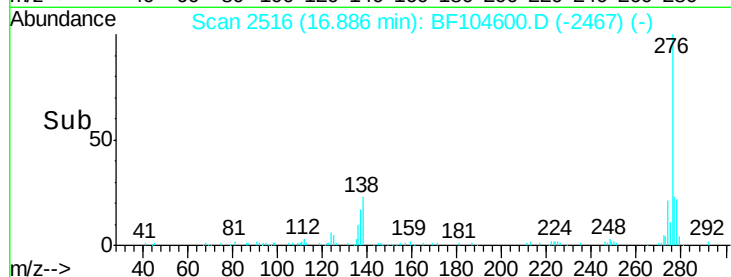
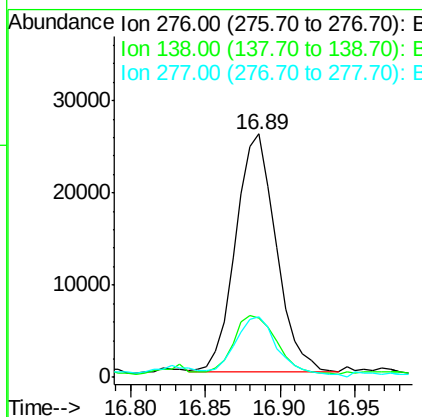
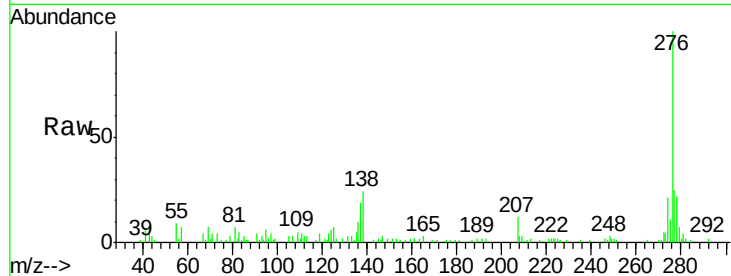
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.562 ng
RT: 16.89 min Scan# 2516
Delta R.T. -0.01 min
Lab File: BF104600.D
Acq: 18 Apr 2018 14:38

Instrument :
BNA_F
ClientSampleId :
NYS-RBR200034

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.9	25.0	37.6
277	27.8	20.1	30.1

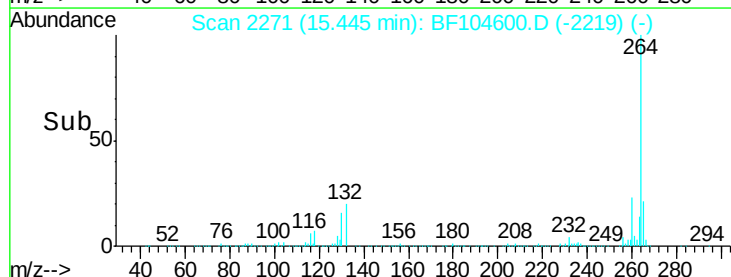
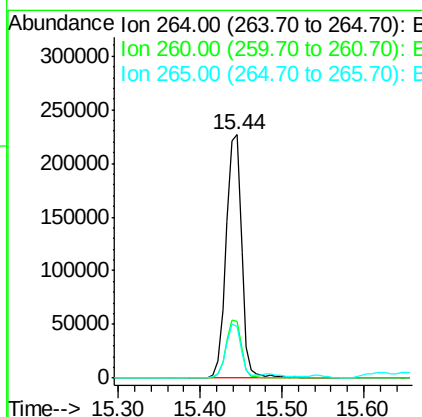
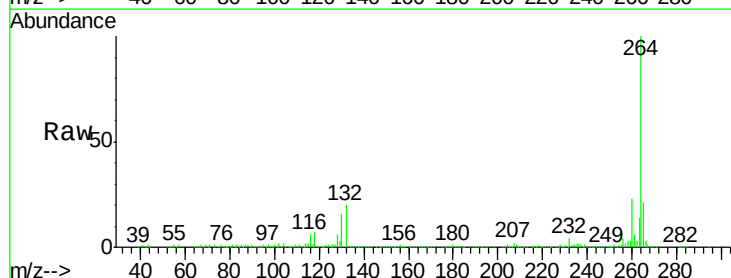
Manual Integrations
APPROVED

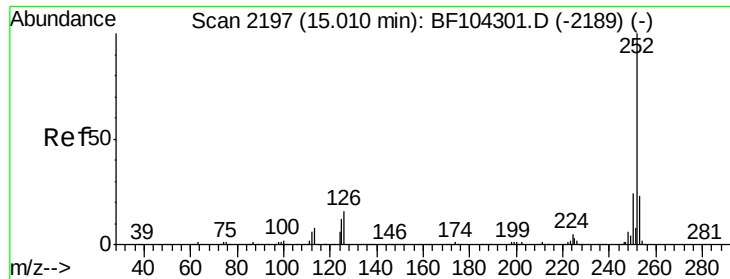
Sohil
4/19/2018 12:43:03 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF104600.D
Acq: 18 Apr 2018 14:38

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.1	17.5	26.3





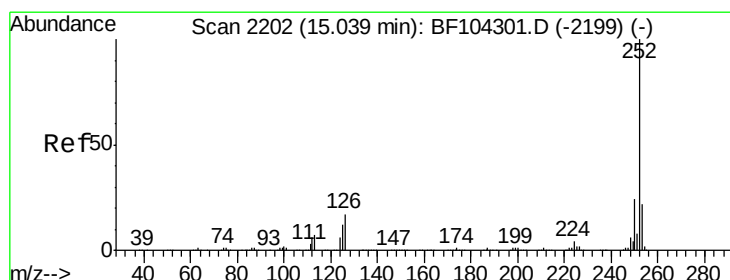
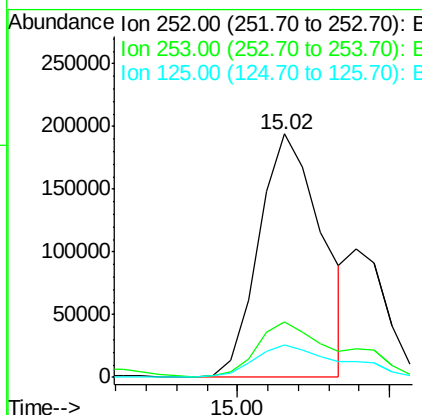
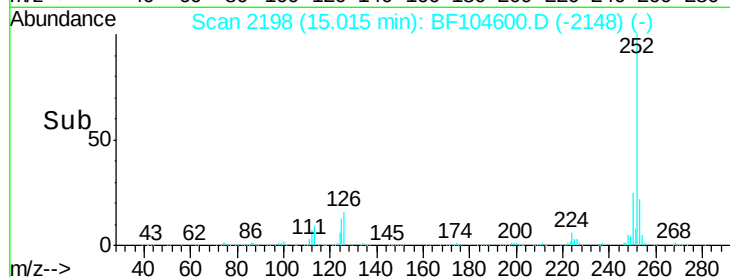
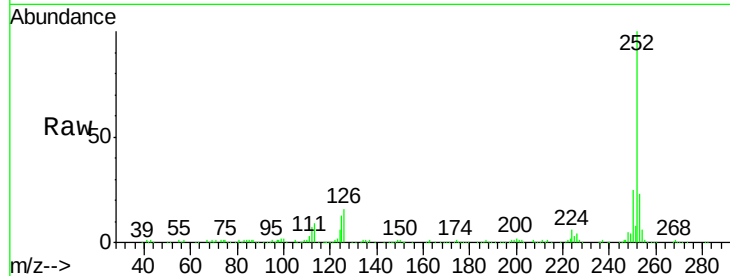
#87
Benzo(b)fluoranthene
Concen: 14.713 ng m
RT: 15.02 min Scan# 2198
Delta R.T. -0.01 min
Lab File: BF104600.D
Acq: 18 Apr 2018 14:38

Instrument :
BNA_F
ClientSampleId :
NYS-RBR200034

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	13.4	9.0	13.6

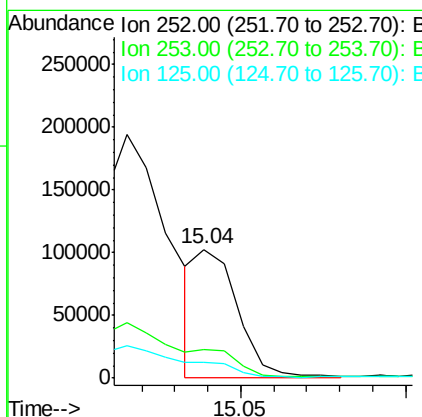
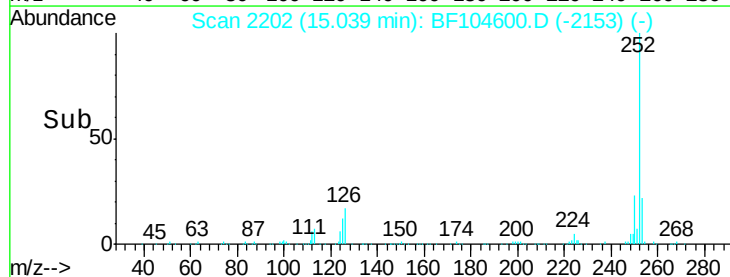
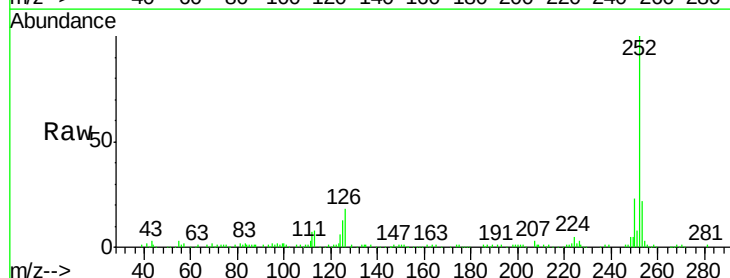
Manual Integrations
APPROVED

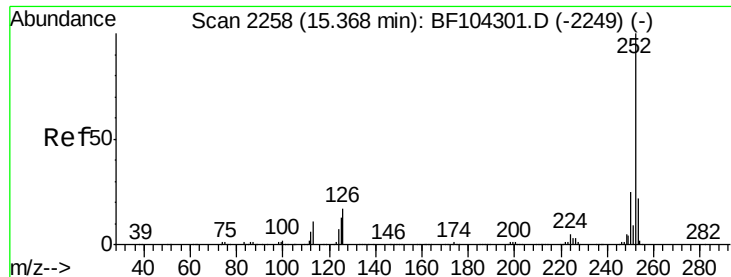
Sohil
4/19/2018 12:43:03 PM



#88
Benzo(k)fluoranthene
Concen: 5.045 ng m
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BF104600.D
Acq: 18 Apr 2018 14:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	12.6	10.2	15.2





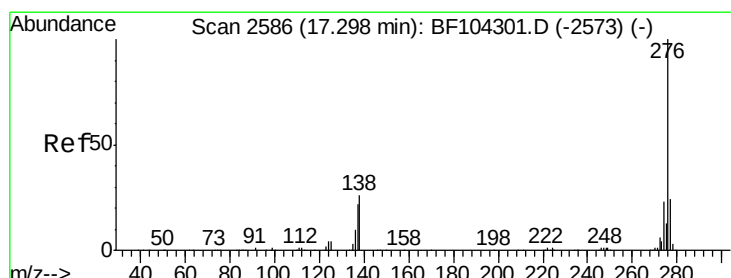
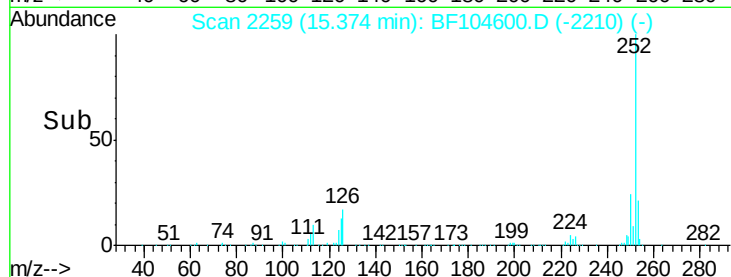
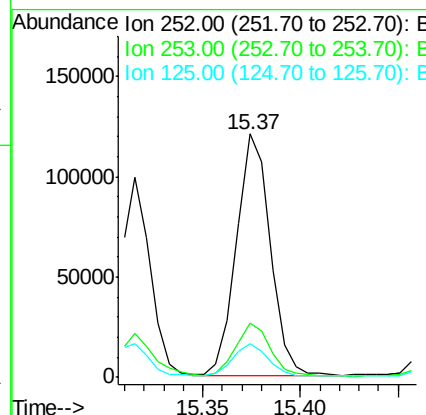
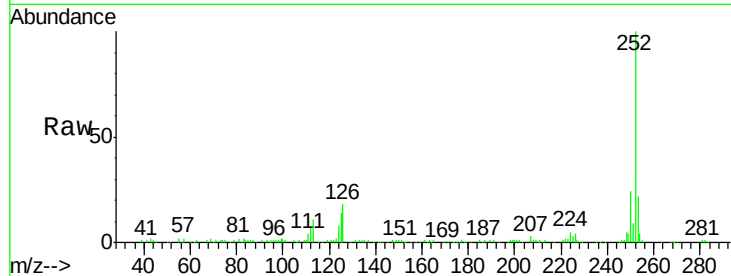
#89
Benzo(a)pyrene
Concen: 8.648 ng
RT: 15.37 min Scan# 2259
Delta R.T. -0.01 min
Lab File: BF104600.D
Acq: 18 Apr 2018 14:38

Instrument :
BNA_F
ClientSampleId :
NYS-RBR200034

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.1	25.7
125	14.0	9.8	14.6

Manual Integrations
APPROVED

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4/19/2018 12:43:03 PM



#91
Benzo(g,h,i)perylene
Concen: 3.008 ng
RT: 17.32 min Scan# 2590
Delta R.T. -0.02 min
Lab File: BF104600.D
Acq: 18 Apr 2018 14:38

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.8	17.9	26.9#
138	27.3	21.8	32.8

