

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041018\
 Data File : BF104411.D
 Acq On : 10 Apr 2018 16:20
 Operator : JU/SJ
 Sample : J2302-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT4235-RT3407

Manual Integrations
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 4/11/2018 5:17:05 PM

Quant Time: Apr 10 18:17:01 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 10 12:04:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	129276	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	487846	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	189602	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	278625	20.00	ng	0.00
75) Chrysene-d12	13.98	240	275890	20.00	ng	0.00
86) Perylene-d12	15.44	264	199238	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	793208	93.82	ng	0.01
7) Phenol-d6	6.44	99	967072	93.10	ng	0.00
23) Nitrobenzene-d5	7.37	82	577233	77.26	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	169366	86.11	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	905728	75.46	ng	0.00
78) Terphenyl-d14	12.93	244	711196	58.77	ng	0.00
Target Compounds						
10) Phenol	6.45	94	23171	2.102	ng	95
49) Dimethylphthalate	9.56	163	84216	5.633	ng	100
70) Phenanthrene	11.36	178	167580	10.800	ng	99
71) Anthracene	11.41	178	44524	2.823	ng	98
74) Fluoranthene	12.55	202	287041	17.706	ng	98
77) Pyrene	12.78	202	284949	13.934	ng	99
80) Benzo(a)anthracene	13.97	228	159546	9.680	ng	98
82) Chrysene	14.00	228	143007	8.447	ng	97
83) Bis(2-ethylhexyl)phthalate	13.96	149	67401	5.439	ng	# 97
85) Indeno(1,2,3-cd)pyrene	16.89	276	48977	3.406	ng	94
87) Benzo(b)fluoranthene	15.02	252	151048m	12.004	ng	
88) Benzo(k)fluoranthene	15.04	252	39545m	3.329	ng	
89) Benzo(a)pyrene	15.38	252	91531	8.129	ng	96
91) Benzo(a,h,i)perylene	17.33	276	50484	5.635	ng	93

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

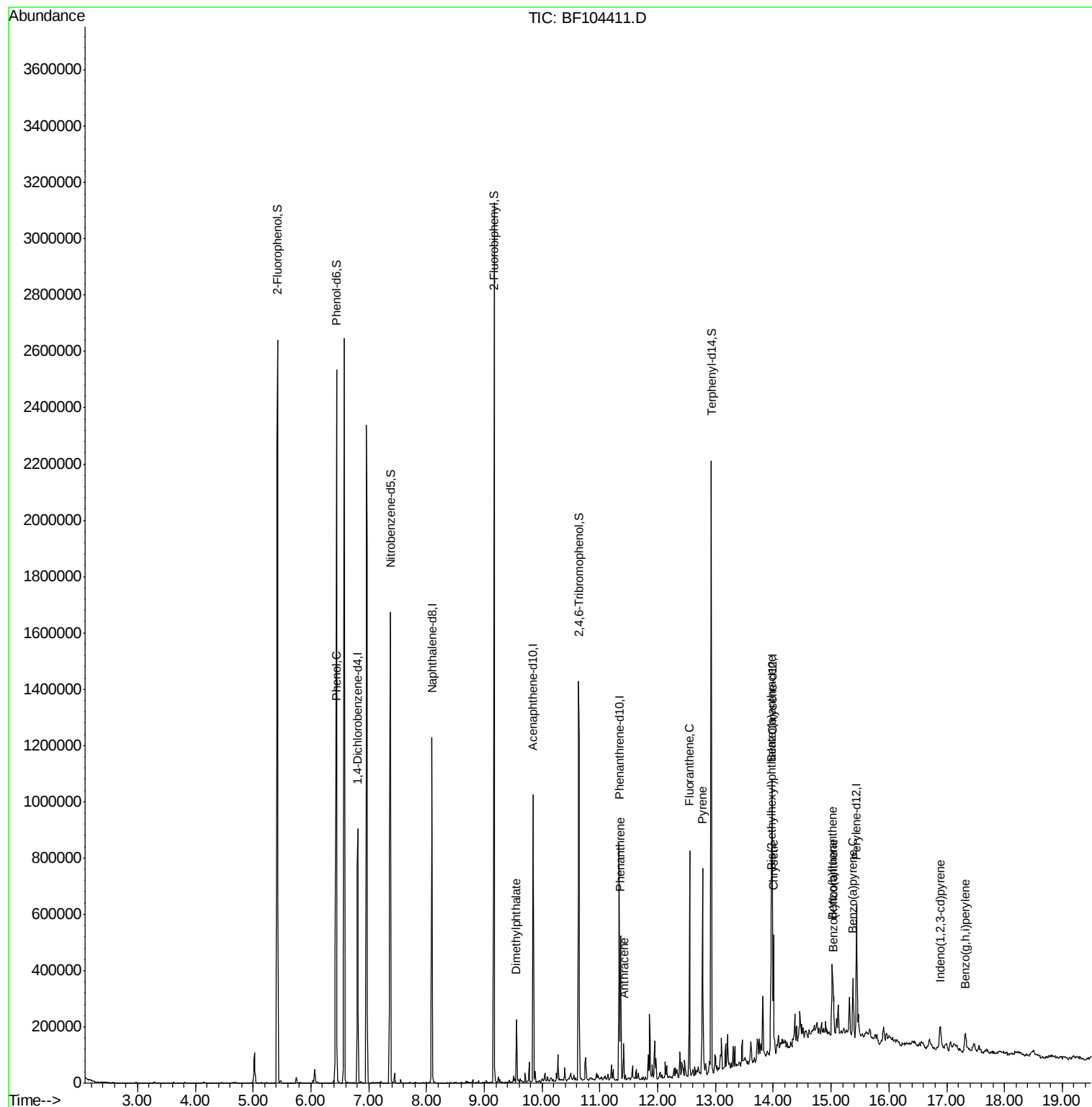
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041018\
Data File : BF104411.D
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Sample : J2302-01
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ALS Vial : 18 Sample Multiplier: 1

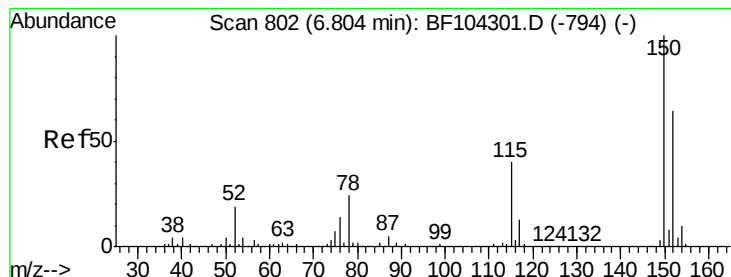
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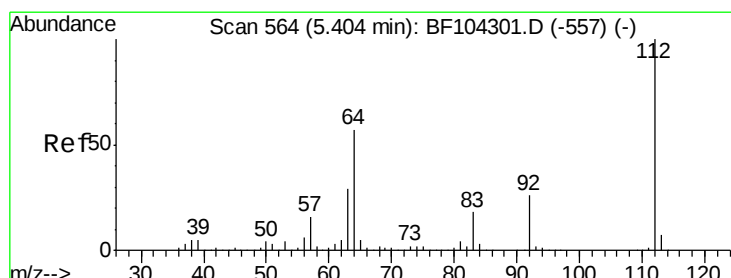
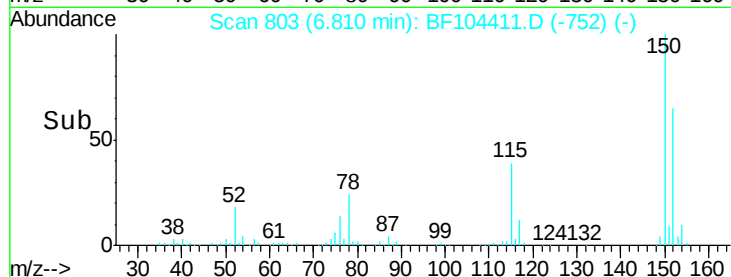
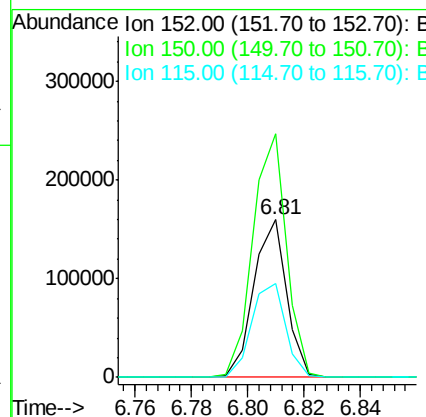
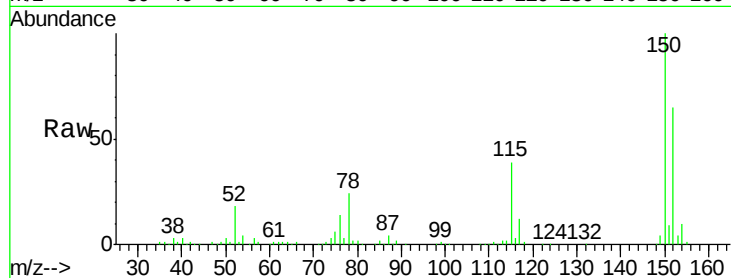
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.81 min Scan# 803
 Delta R.T. -0.00 min
 Lab File: BF104411.D
 Acq: 10 Apr 2018 16:20

Instrument :
 BNA_F
 ClientSampleId :
 RT4235-RT3407

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	124.6	186.8
115	60.0	50.1	75.1

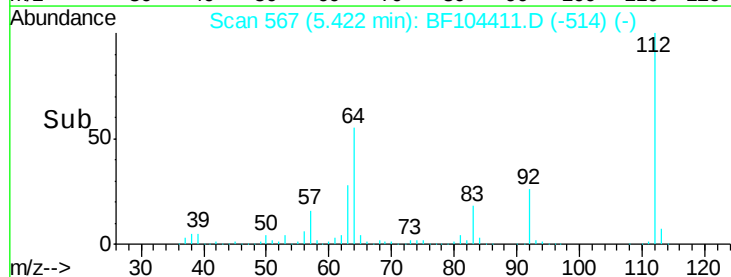
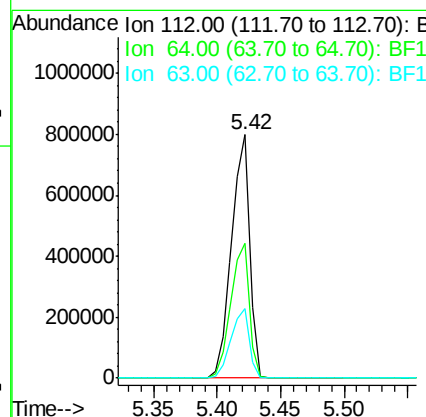
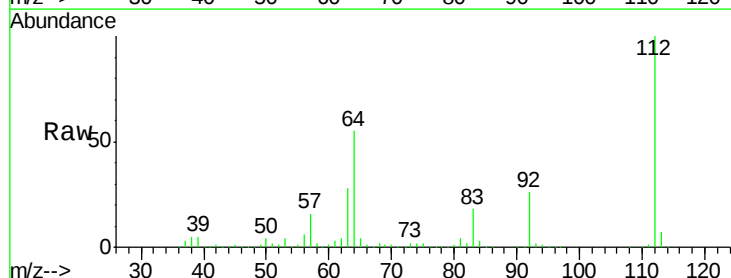
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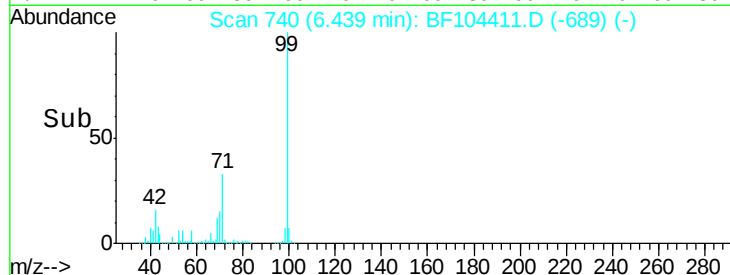
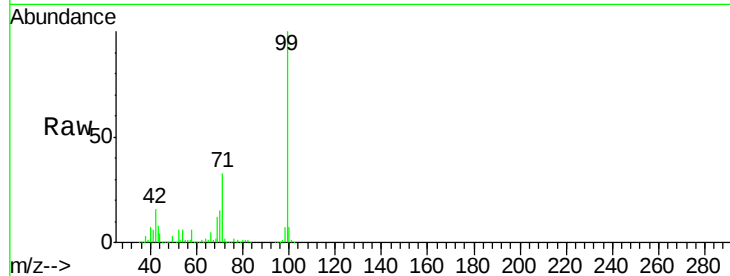
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#5
 2-Fluorophenol
 Concen: 93.819 ng
 RT: 5.42 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: BF104411.D
 Acq: 10 Apr 2018 16:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.5	47.9	71.9
63	28.3	23.7	35.5





#7

Phenol-d6

Concen: 93.095 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF104411.D

Acq: 10 Apr 2018 16:20

Tot Ion:	99	Resp:	967072
Ion Ratio	Lower	Upper	
99	100		
42	16.2	14.5	21.7
71	33.2	25.4	38.0

Instrument :

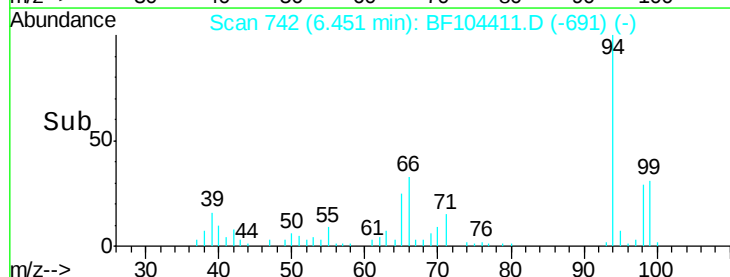
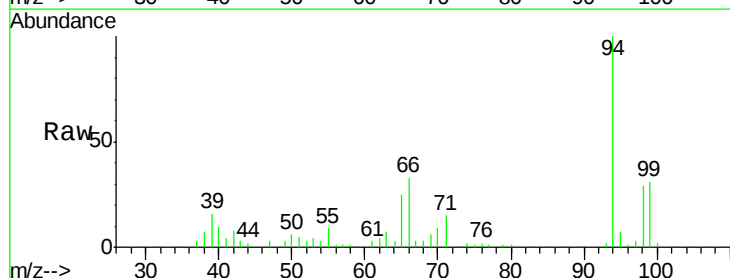
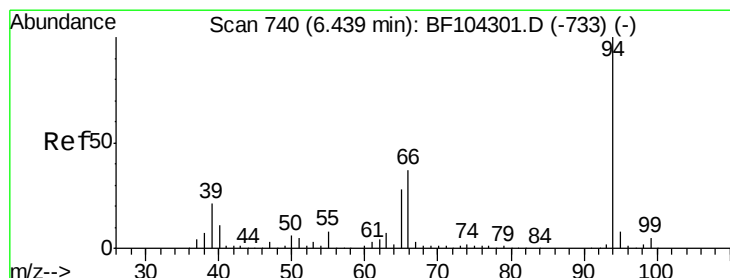
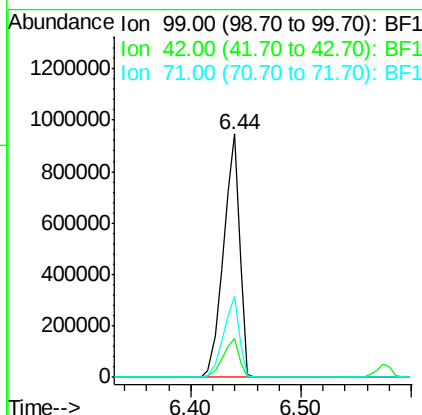
BNA_F

ClientSampleId :

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#10

Phenol

Concen: 2.102 ng

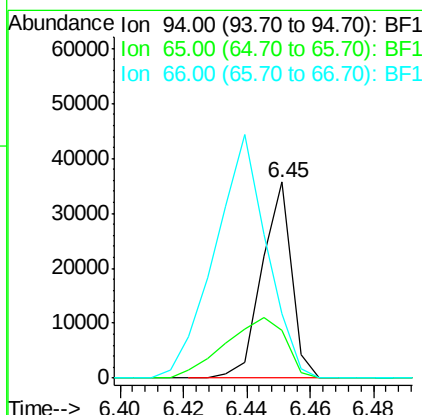
RT: 6.45 min Scan# 742

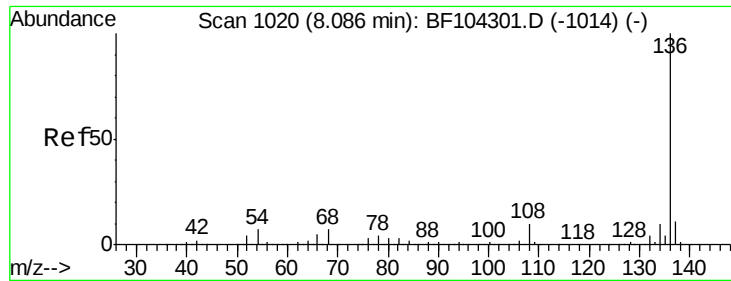
Delta R.T. -0.00 min

Lab File: BF104411.D

Acq: 10 Apr 2018 16:20

Tgt Ion:	94	Resp:	23171
Ion Ratio	Lower	Upper	
94	100		
65	24.7	7.9	47.9
66	33.2	16.2	56.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.00 min

Lab File: BF104411.D

Acq: 10 Apr 2018 16:20

Instrument :

BNA_F

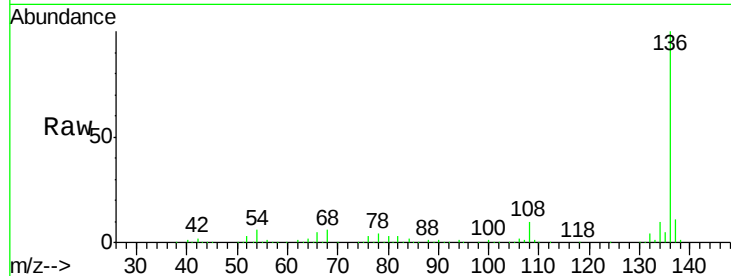
ClientSampleId :

RT4235-RT3407

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	10.6		8.9	13.3	
54	6.3		6.6	9.8	
68	5.7		5.0	7.4	

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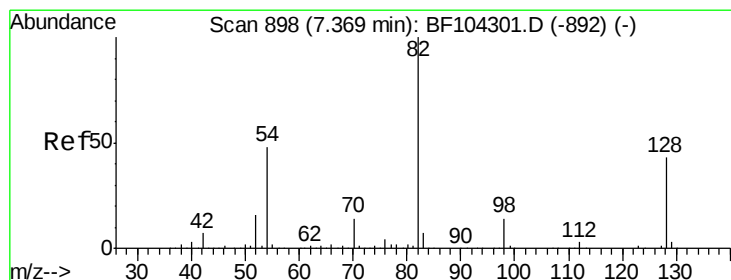
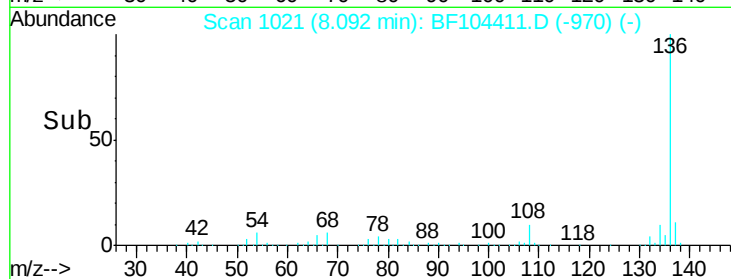
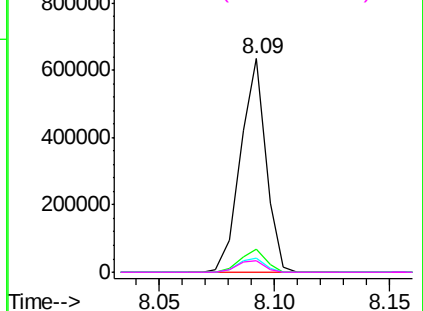


Abundance Ion 136.00 (135.70 to 136.70): E

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: 77.262 ng

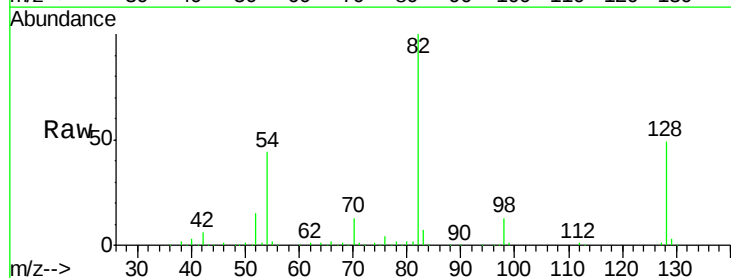
RT: 7.37 min Scan# 899

Delta R.T. -0.00 min

Lab File: BF104411.D

Acq: 10 Apr 2018 16:20

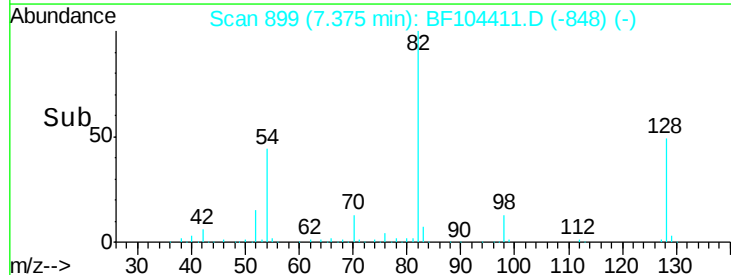
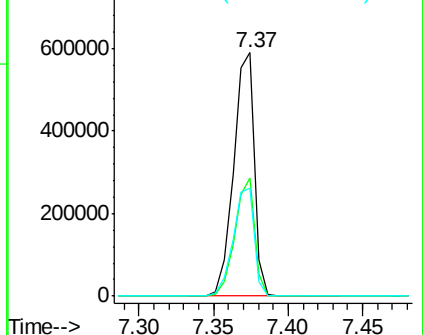
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100				
128	48.7		36.1	54.1	
54	44.3		41.4	62.2	

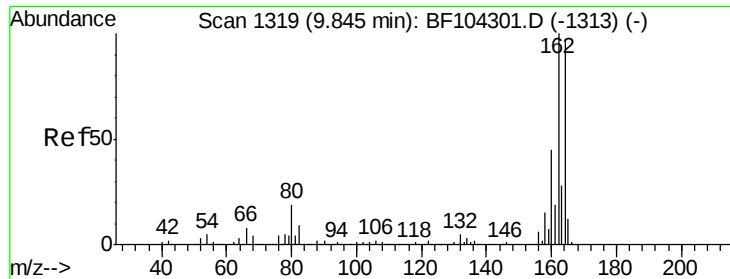


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





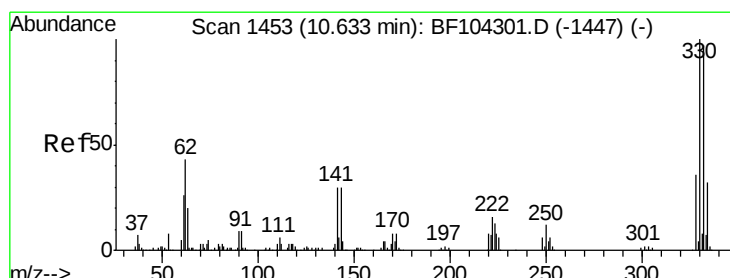
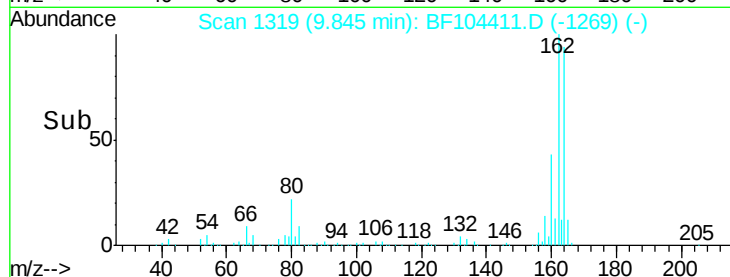
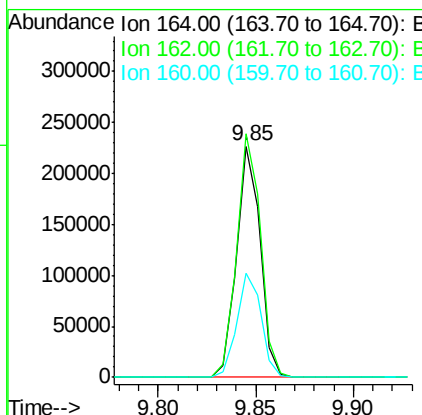
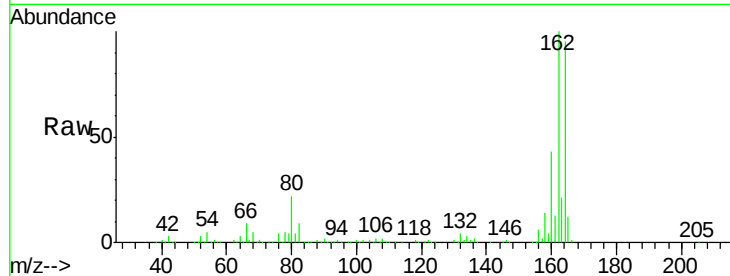
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: BF104411.D
 Acq: 10 Apr 2018 16:20

Instrument :
 BNA_F
 ClientSampleId :
 RT4235-RT3407

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	105.3	86.1	129.1	
160	45.2	38.3	57.5	

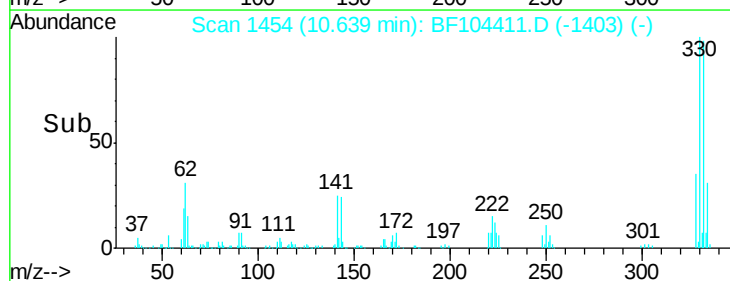
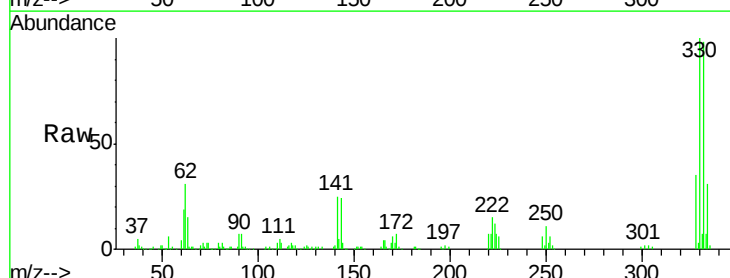
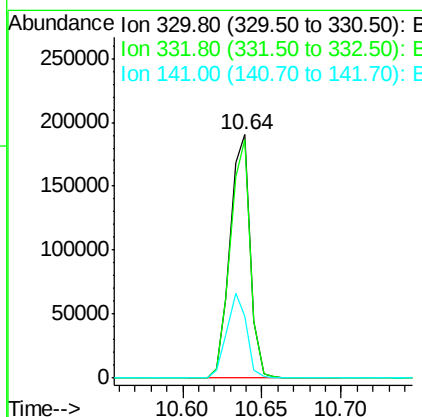
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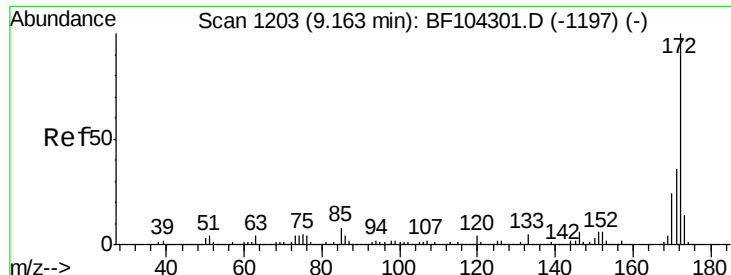
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#41
 2,4,6-Tribromophenol
 Concen: 86.113 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.00 min
 Lab File: BF104411.D
 Acq: 10 Apr 2018 16:20

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.7	77.0	115.6	
141	34.4	29.9	44.9	





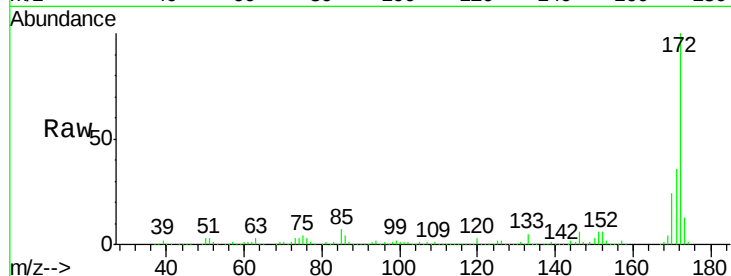
#44
2-Fluorobiphenyl
Concen: 75.465 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.00 min
Lab File: BF104411.D
Acq: 10 Apr 2018 16:20

Instrument :
BNA_F
ClientSampleId :
RT4235-RT3407

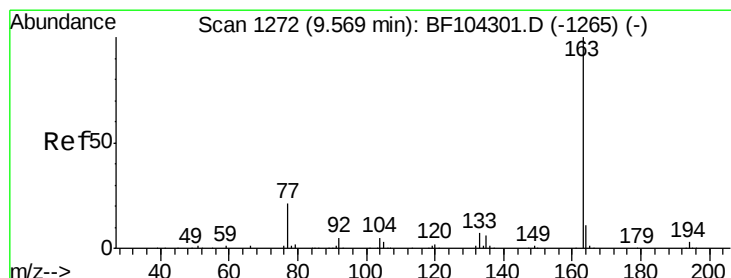
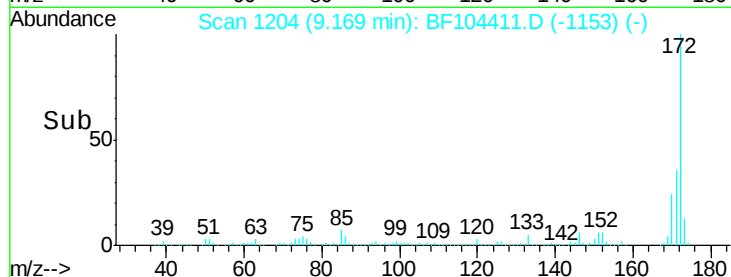
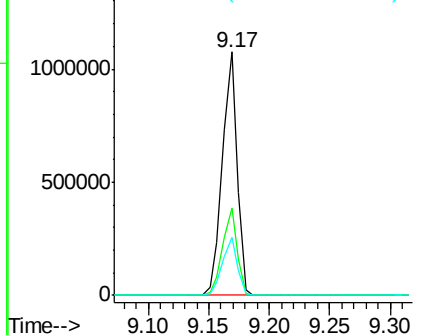
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	23.8	19.6	29.4

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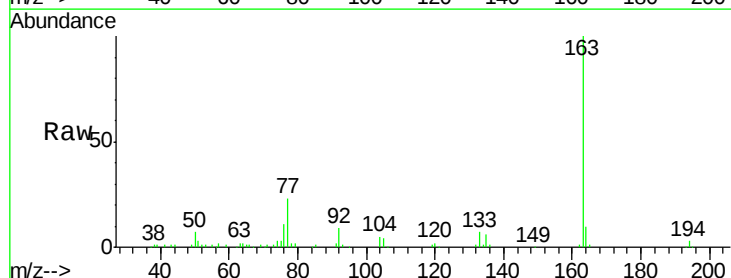


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

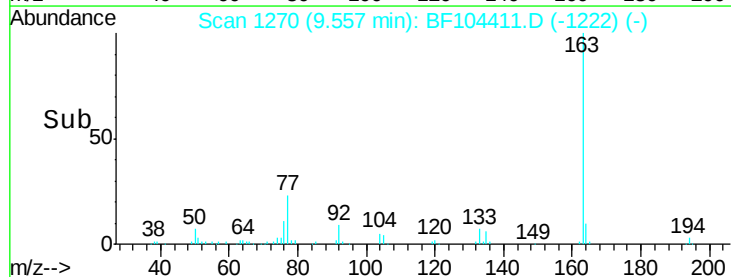
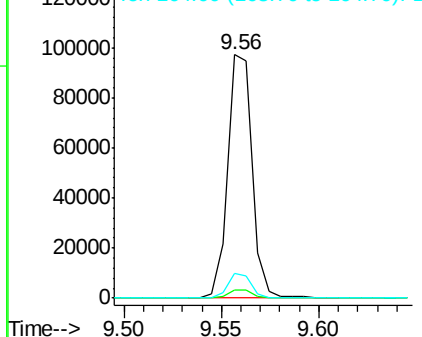


#49
Dimethylphthalate
Concen: 5.633 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BF104411.D
Acq: 10 Apr 2018 16:20

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.7	4.1
164	10.3	8.2	12.2



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





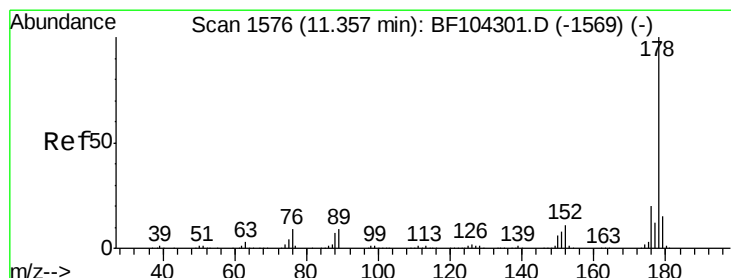
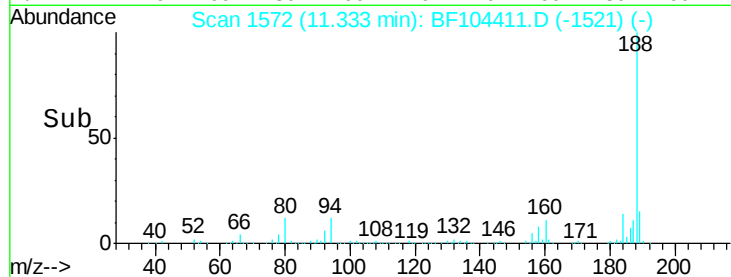
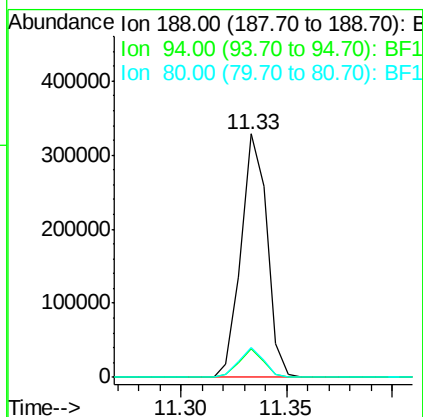
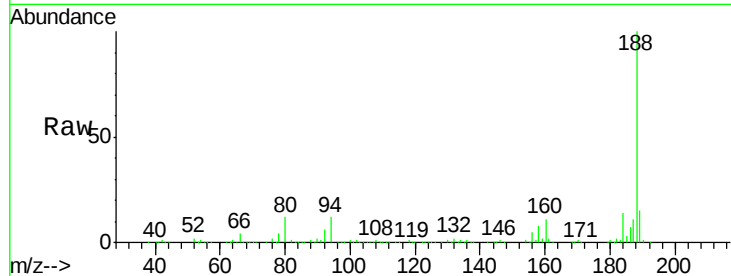
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BF104411.D
Acq: 10 Apr 2018 16:20

Instrument :
BNA_F
ClientSampleId :
RT4235-RT3407

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	11.6	8.5	12.7
80	12.4	9.2	13.8

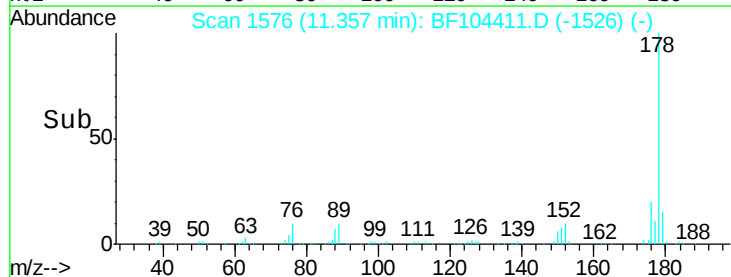
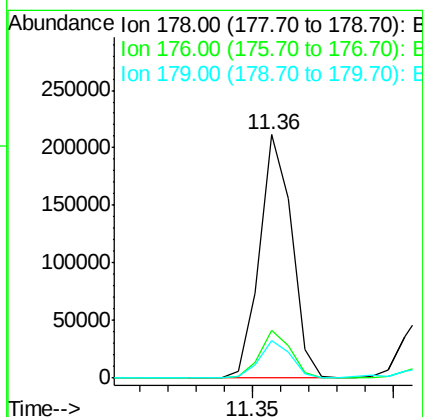
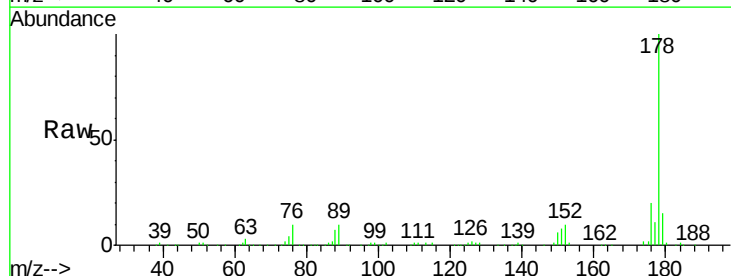
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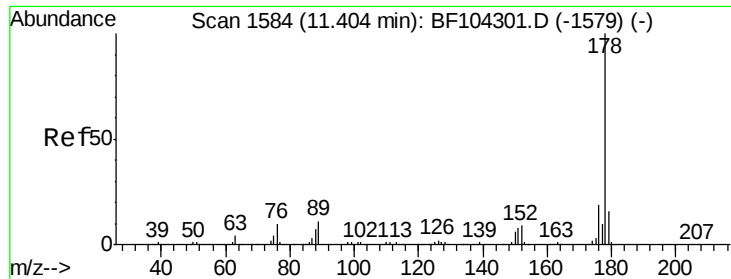
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#70
Phenanthrene
Concen: 10.800 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF104411.D
Acq: 10 Apr 2018 16:20

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.8	15.8	23.8
179	15.4	13.0	19.6





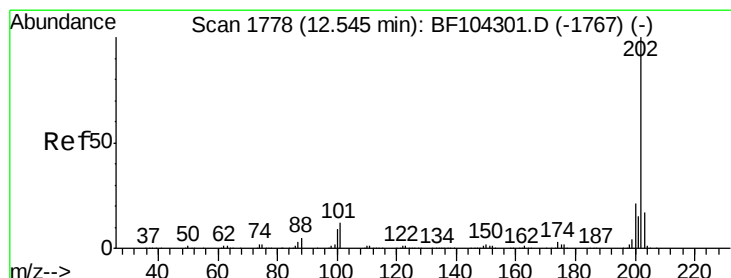
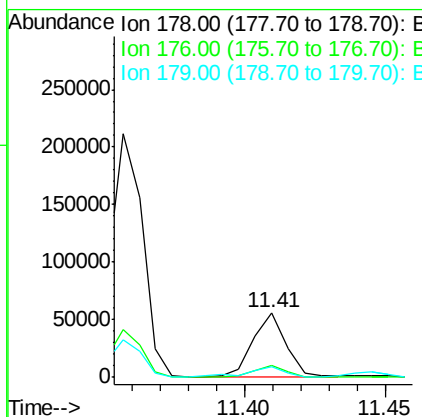
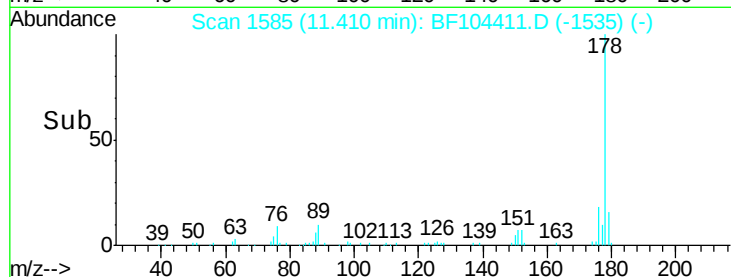
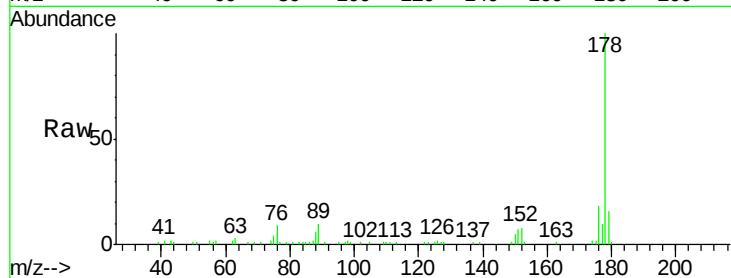
#71
 Anthracene
 Concen: 2.823 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: BF104411.D
 Acq: 10 Apr 2018 16:20

Instrument :
 BNA_F
 ClientSampleId :
 RT4235-RT3407

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	16.5	12.6	19.0

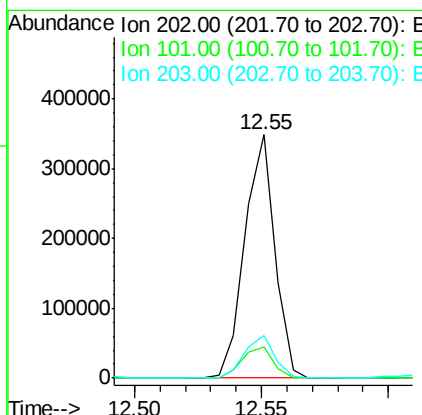
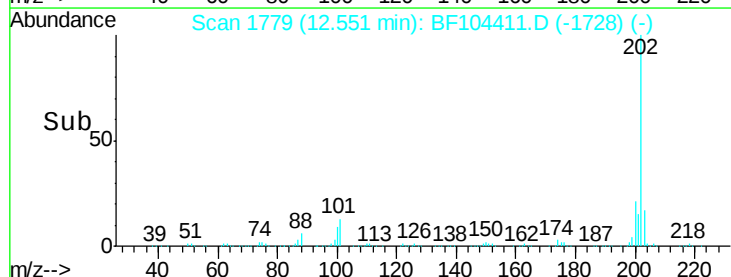
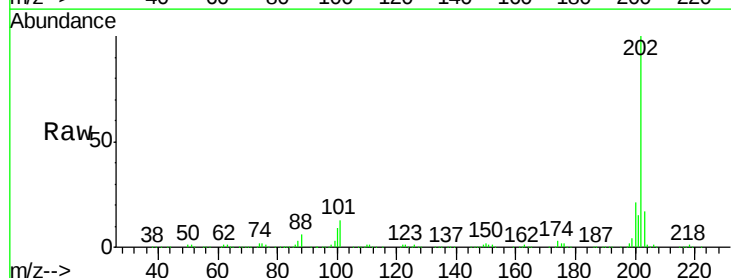
Manual Integrations
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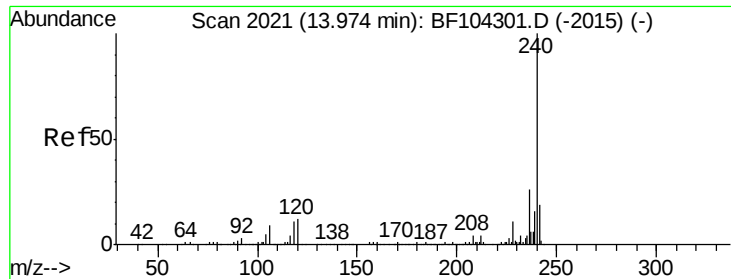
Sohil
 4/11/2018 5:17:05 PM



#74
 Fluoranthene
 Concen: 17.706 ng
 RT: 12.55 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: BF104411.D
 Acq: 10 Apr 2018 16:20

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	34.1
203	17.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF104411.D

Acq: 10 Apr 2018 16:20

Instrument :

BNA_F

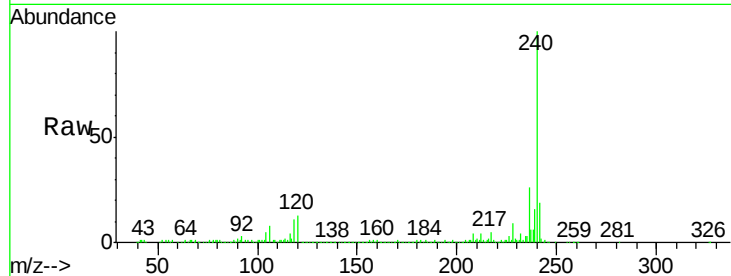
ClientSampleId :

RT4235-RT3407

Tot Ion:	240	Resp:	275890
Ion Ratio	Lower	Upper	
240	100		
120	12.8	9.5	14.3
236	25.7	20.7	31.1

Manual Integrations
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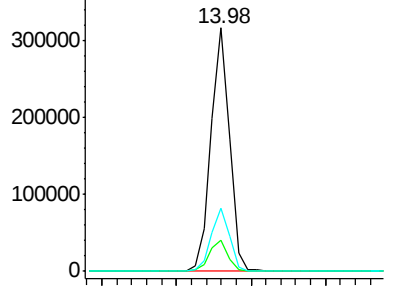
Sohil
4/11/2018 5:17:05 PM



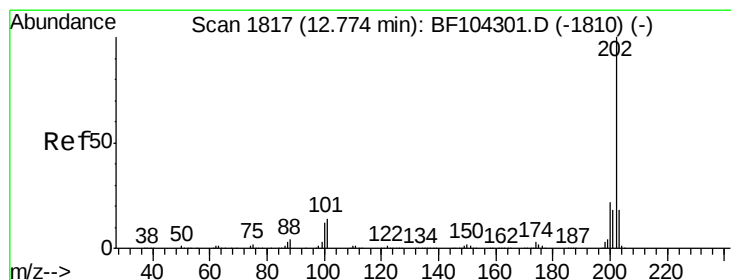
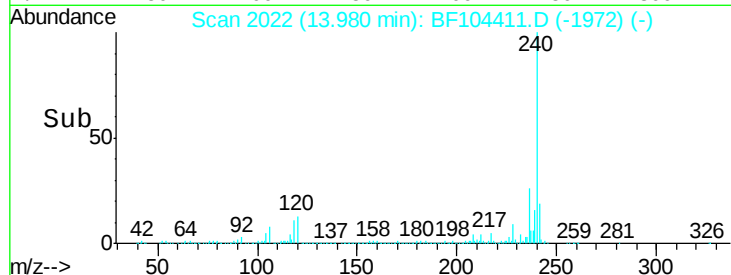
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#77

Pyrene

Concen: 13.934 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.00 min

Lab File: BF104411.D

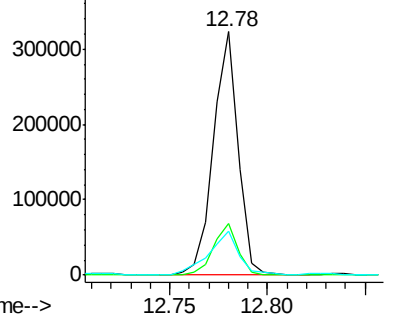
Acq: 10 Apr 2018 16:20

Tgt Ion:	202	Resp:	284949
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.4	26.2
203	17.9	14.3	21.5

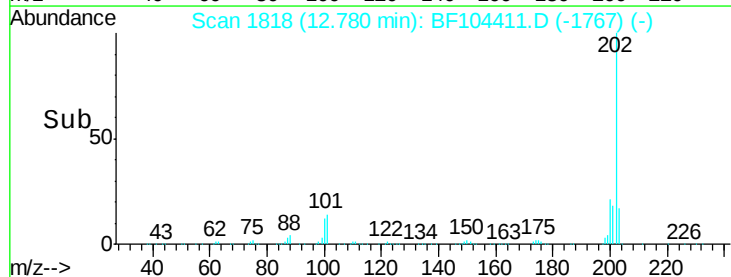
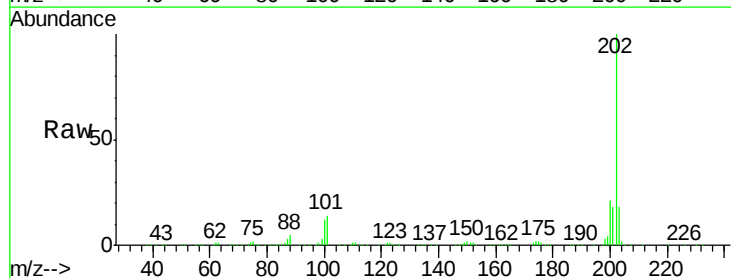
Abundance Ion 202.00 (201.70 to 202.70): E

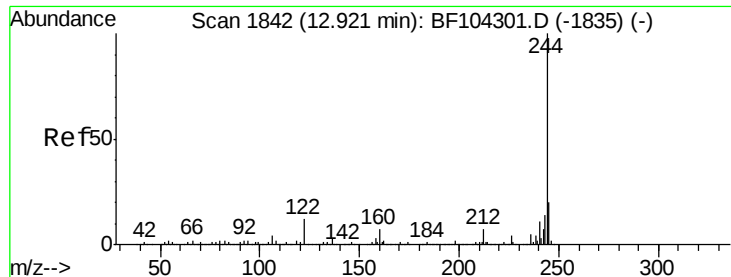
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





#78

Terphenyl-d14

Concen: 58.770 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.00 min

Lab File: BF104411.D

Acq: 10 Apr 2018 16:20

Instrument :

BNA_F

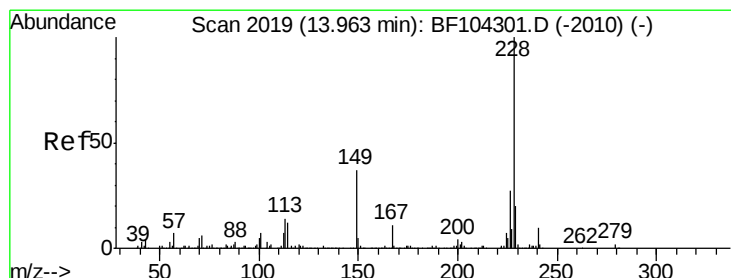
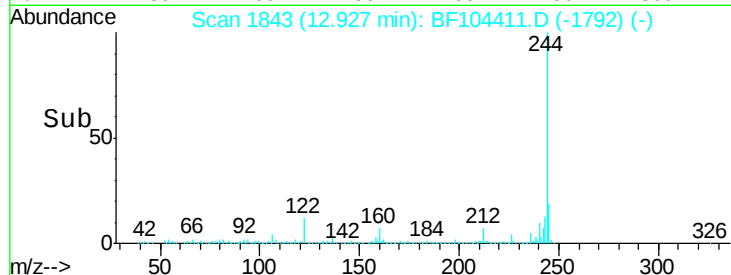
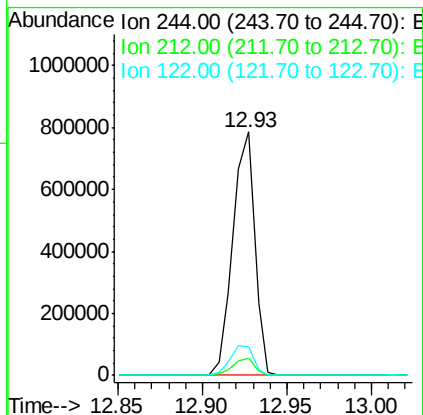
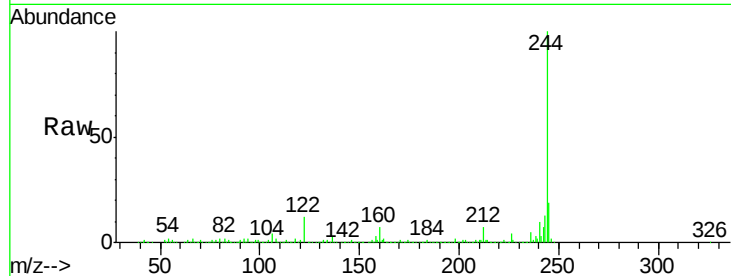
ClientSampleId :

RT4235-RT3407

Tot Ion:	244	Resp:	711196
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.4	8.0
122	11.5	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 9.680 ng

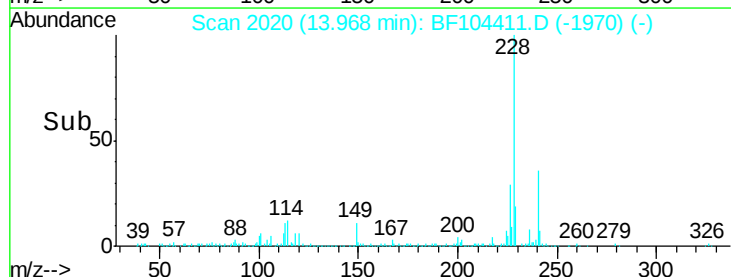
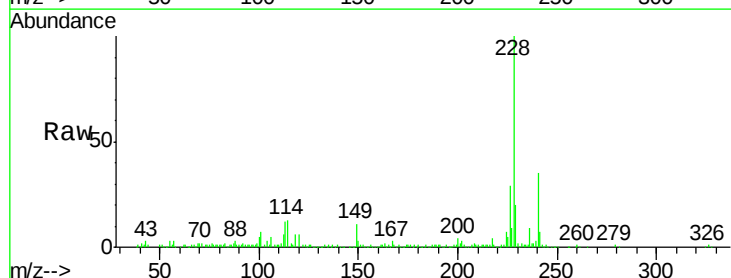
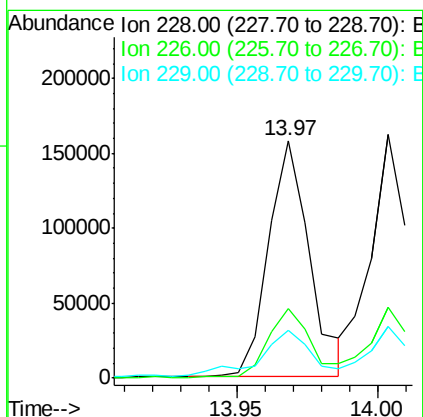
RT: 13.97 min Scan# 2020

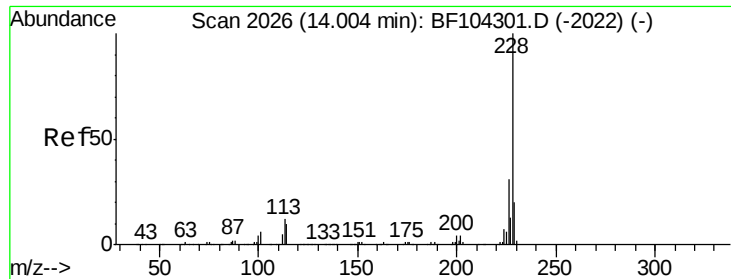
Delta R.T. -0.01 min

Lab File: BF104411.D

Acq: 10 Apr 2018 16:20

Tgt Ion:	228	Resp:	159546
Ion Ratio	Lower	Upper	
228	100		
226	29.3	22.6	33.8
229	20.3	15.8	23.6





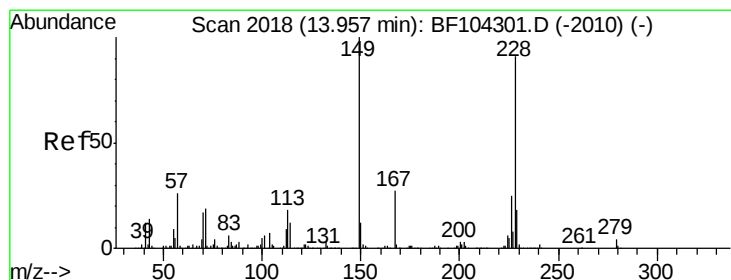
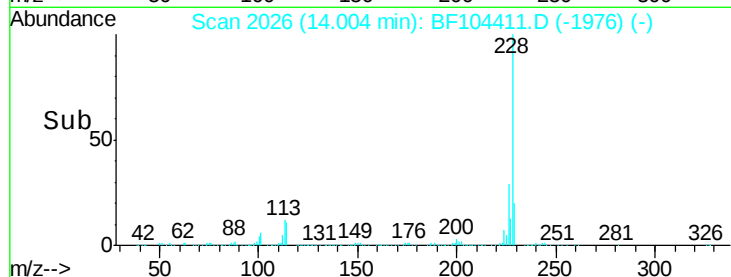
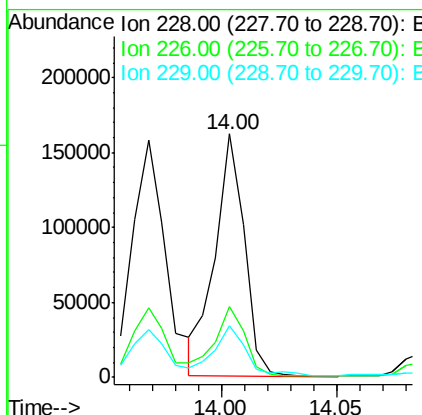
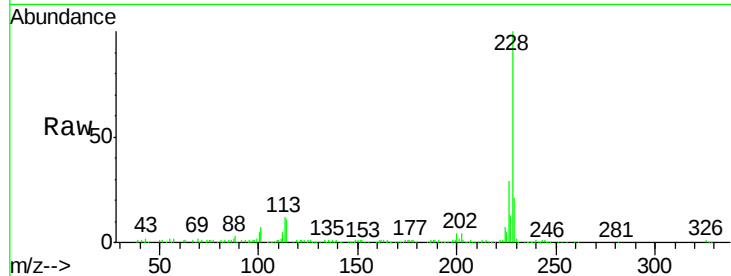
#82
Chrysene
Concen: 8.447 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF104411.D
Acq: 10 Apr 2018 16:20

Instrument :
BNA_F
ClientSampleId :
RT4235-RT3407

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	25.0	37.6
229	21.2	16.2	24.4

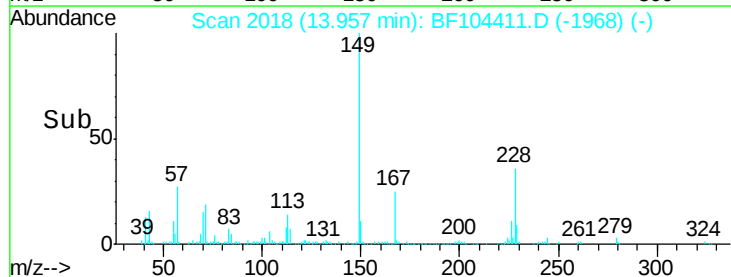
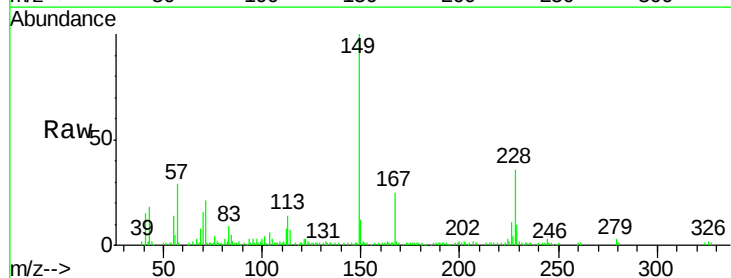
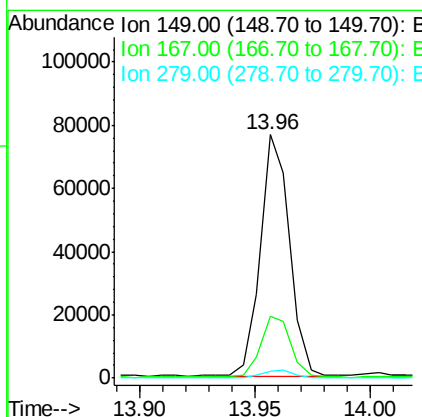
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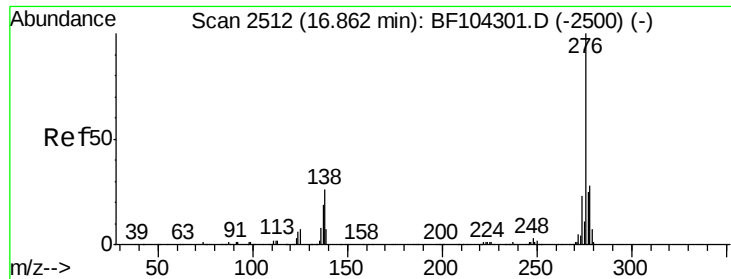
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#83
Bis(2-ethylhexyl)phthalate
Concen: 5.439 ng
RT: 13.96 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BF104411.D
Acq: 10 Apr 2018 16:20

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.3	21.3	31.9
279	2.9	3.0	4.4#





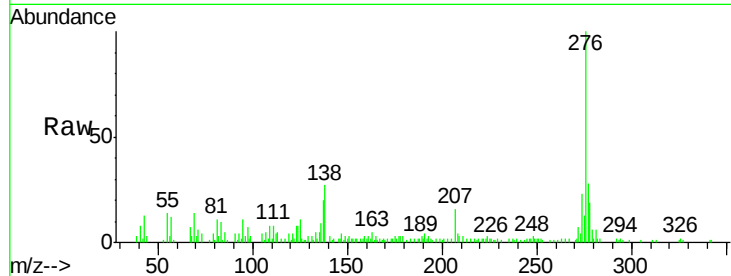
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.406 ng
RT: 16.89 min Scan# 2516
Delta R.T. -0.01 min
Lab File: BF104411.D
Acq: 10 Apr 2018 16:20

Instrument :
BNA_F
ClientSampleId :
RT4235-RT3407

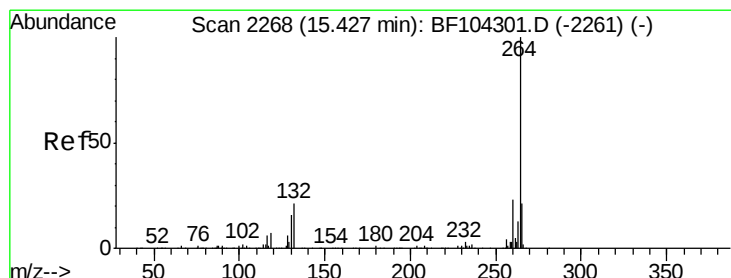
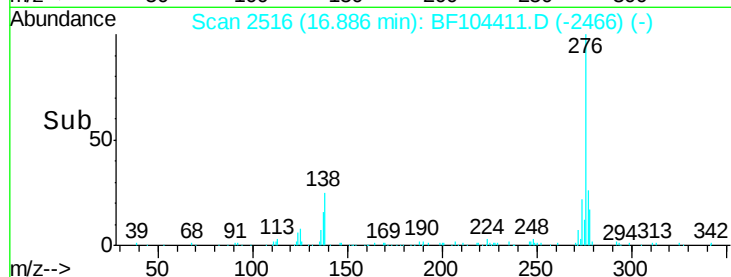
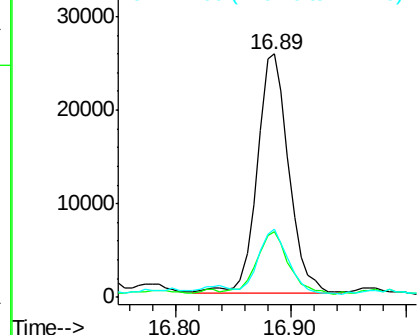
Tot Ion	Ratio	Lower	Upper
276	100		
138	25.8	25.0	37.6
277	26.1	20.1	30.1

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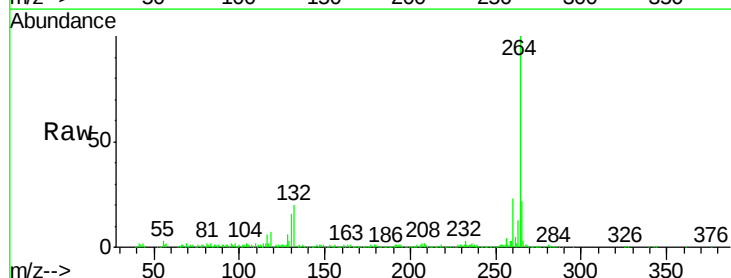


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

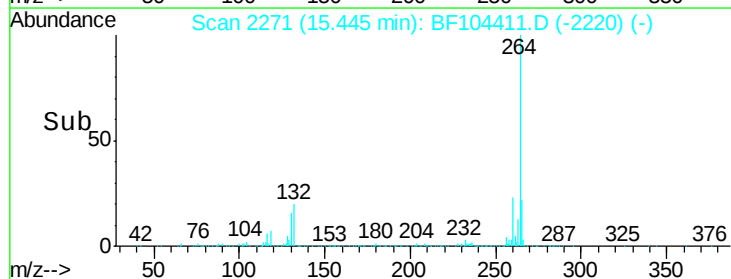
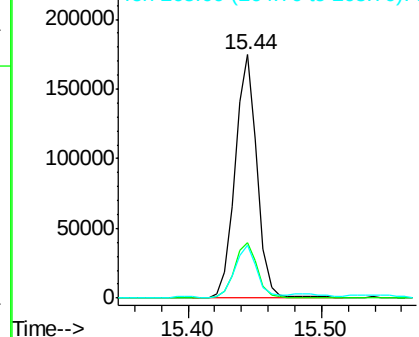


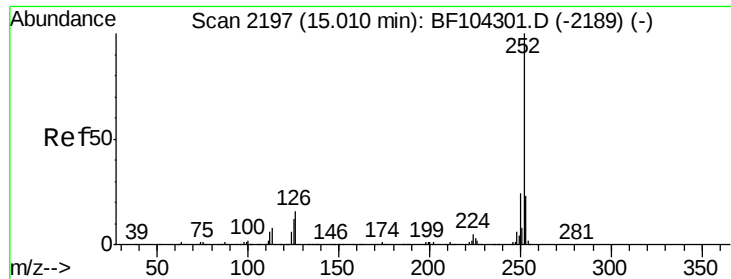
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.00 min
Lab File: BF104411.D
Acq: 10 Apr 2018 16:20

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	21.9	17.5	26.3



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





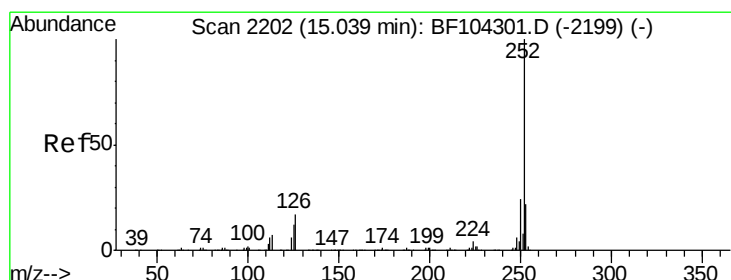
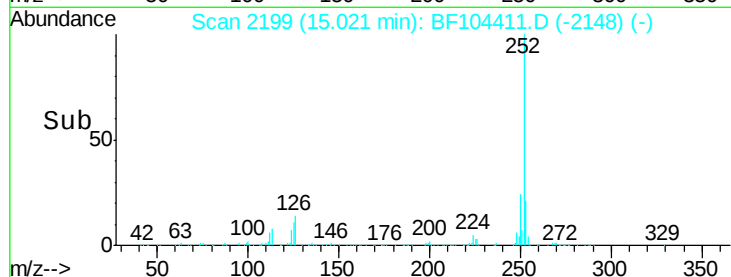
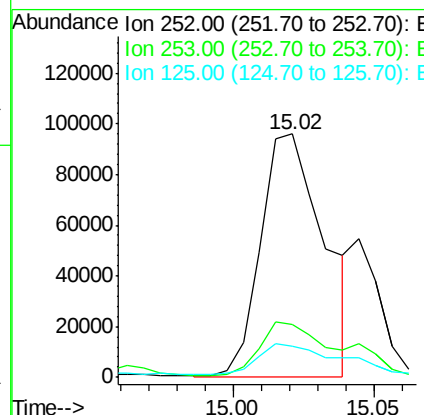
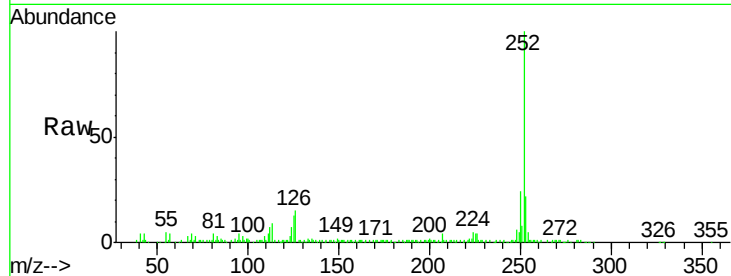
#87
Benzo(b)fluoranthene
Concen: 12.004 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.00 min
Lab File: BF104411.D
Acq: 10 Apr 2018 16:20

Instrument :
BNA_F
ClientSampleId :
RT4235-RT3407

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.0	25.6
125	12.7	9.0	13.6

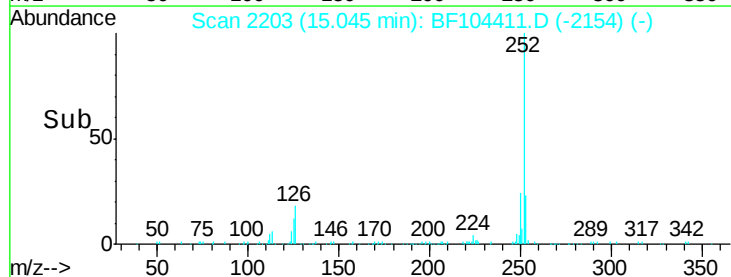
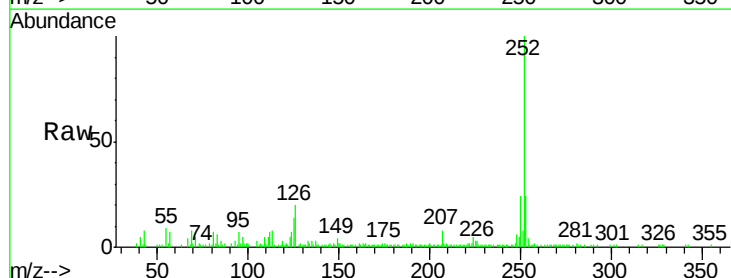
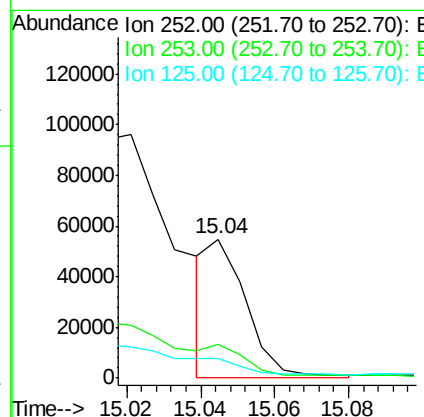
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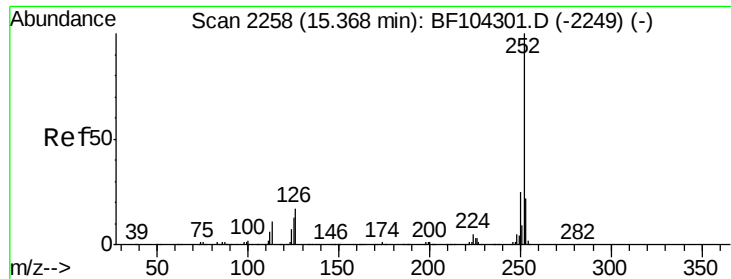
Sohil
4/11/2018 5:17:05 PM



#88
Benzo(k)fluoranthene
Concen: 3.329 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF104411.D
Acq: 10 Apr 2018 16:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.9	26.9
125	14.4	10.2	15.2





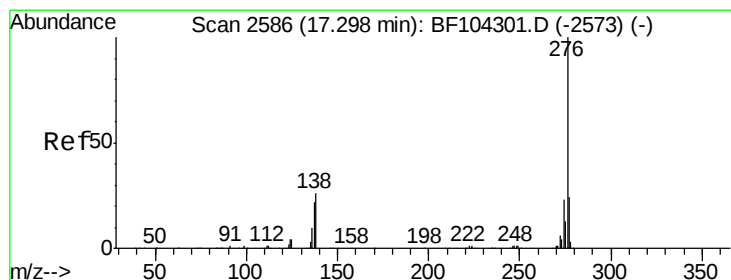
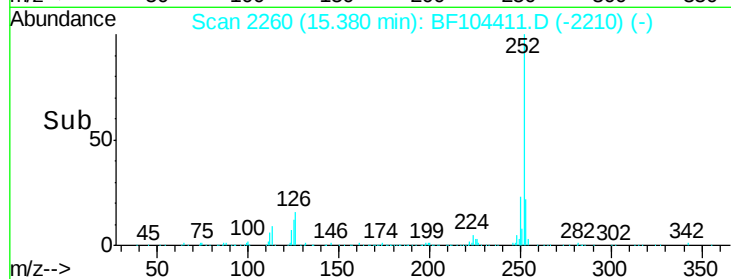
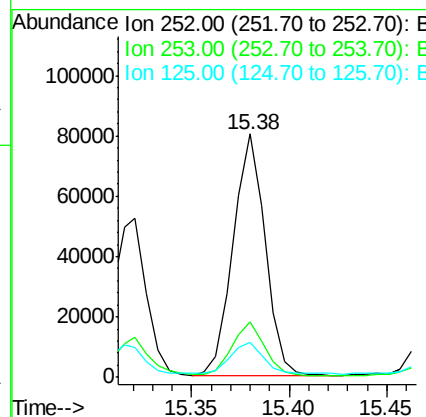
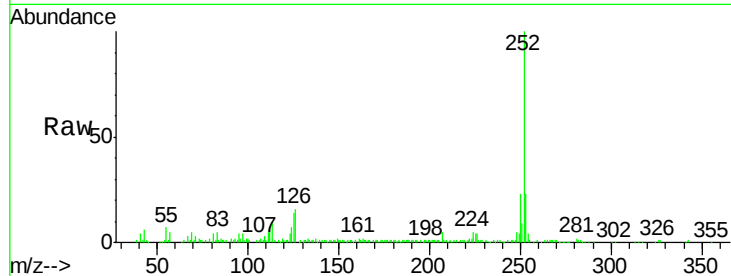
#89
Benzo(a)pyrene
Concen: 8.129 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.01 min
Lab File: BF104411.D
Acq: 10 Apr 2018 16:20

Instrument :
BNA_F
ClientSampleId :
RT4235-RT3407

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	14.2	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 5.635 ng
RT: 17.33 min Scan# 2591
Delta R.T. -0.01 min
Lab File: BF104411.D
Acq: 10 Apr 2018 16:20

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.5	17.9	26.9
138	24.7	21.8	32.8

