

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041618\
 Data File : BF104526.D
 Acq On : 16 Apr 2018 11:40
 Operator : JU/SJ
 Sample : J2357-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR2520258

Manual Integrations
 APPROVED

Sohil
 4/17/2018 10:08:38 AM

Quant Time: Apr 16 12:48:53 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 16 12:15:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	178880	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	714947	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	316575	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	506445	20.00	ng	0.00
75) Chrysene-d12	13.98	240	355011	20.00	ng	-0.01
86) Perylene-d12	15.45	264	303855	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	906645	77.50	ng	0.00
7) Phenol-d6	6.45	99	1248267	86.84	ng	0.00
23) Nitrobenzene-d5	7.37	82	807065	73.71	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	188814	57.50	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1220916	60.93	ng	0.00
78) Terphenyl-d14	12.93	244	957353	61.48	ng	0.00
Target Compounds						
10) Phenol	6.46	94	56889	3.730	ng	80
49) Dimethylphthalate	9.56	163	242430	9.711	ng	99
70) Phenanthrene	11.36	178	93738	3.324	ng	98
74) Fluoranthene	12.55	202	222379	7.547	ng	97
77) Pyrene	12.78	202	206825	7.860	ng	99
80) Benzo(a)anthracene	13.97	228	113442	5.349	ng	96
82) Chrysene	14.00	228	113525	5.211	ng	95
85) Indeno(1,2,3-cd)pyrene	16.90	276	48662	2.630	ng	94
87) Benzo(b)fluoranthene	15.02	252	138797m	7.232	ng	
88) Benzo(k)fluoranthene	15.04	252	46793m	2.583	ng	
89) Benzo(a)pyrene	15.39	252	89383	5.205	ng	97
91) Benzo(a,h,i)perylene	17.34	276	50007	3.660	ng	95

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

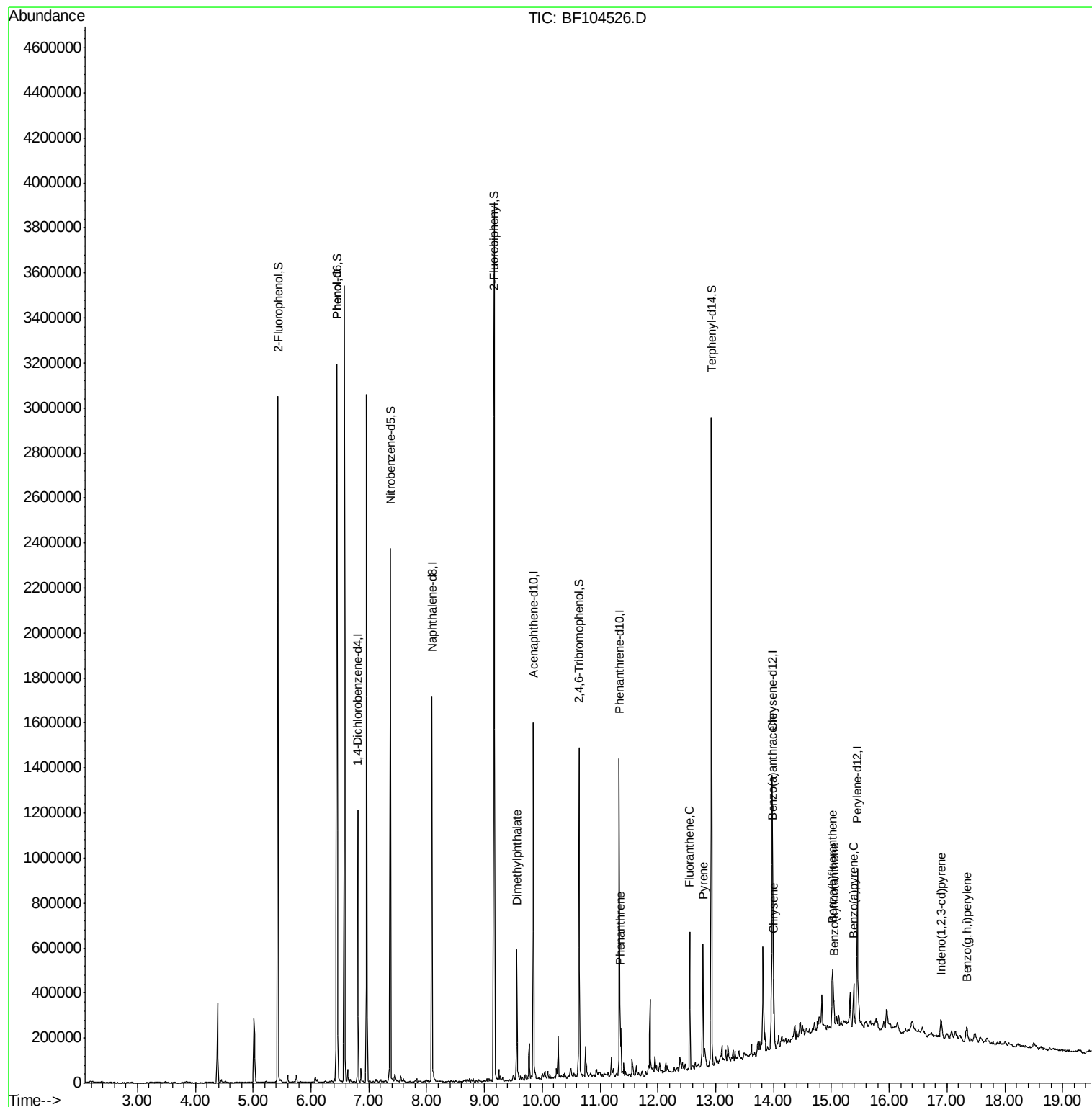
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041618\
Data File : BF104526.D
Acq On : 16 Apr 2018 11:40
Operator : JU/SJ
Sample : J2357-01
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#1

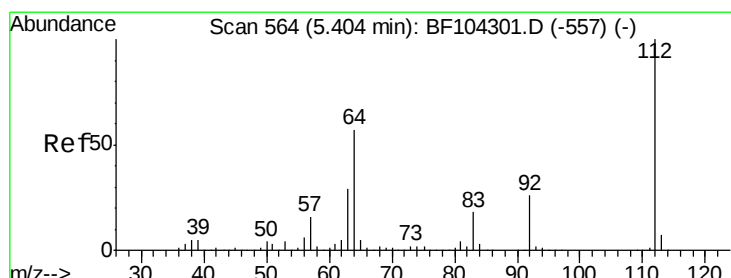
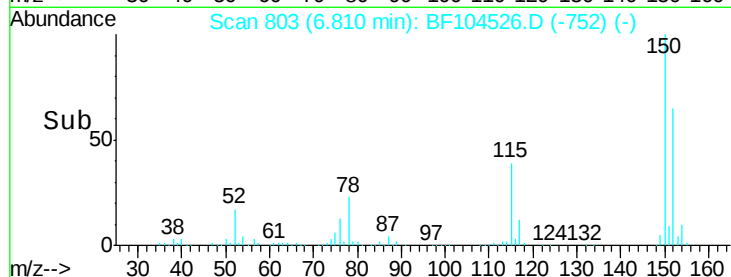
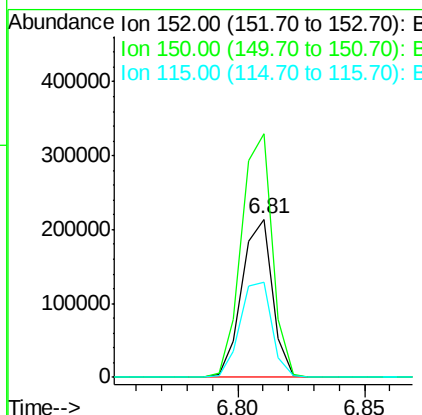
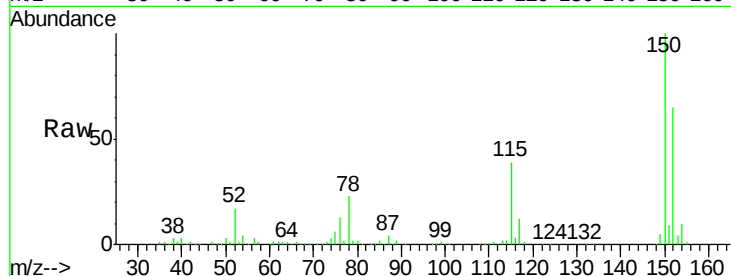
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF104526.D
Acq: 16 Apr 2018 11:40

Instrument :
BNA_F
ClientSampleId :
RBR2520258

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.2	124.6	186.8
115	60.0	50.1	75.1

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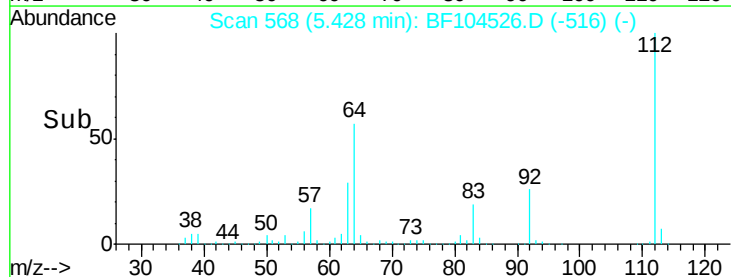
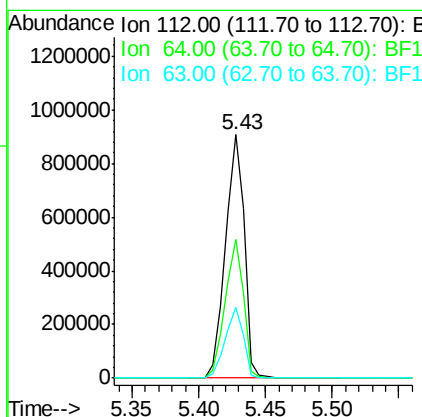
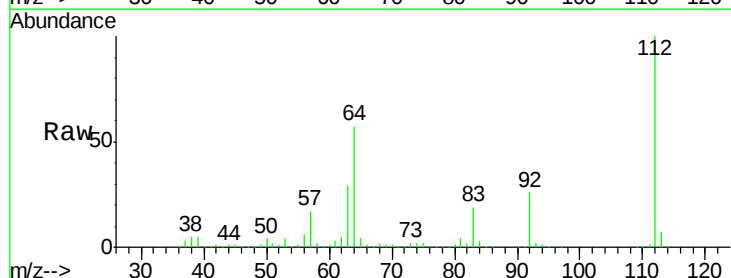
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#5

2-Fluorophenol
Concen: 77.499 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF104526.D
Acq: 16 Apr 2018 11:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.0	47.9	71.9
63	29.0	23.7	35.5





#7

Phenol-d6

Concen: 86.842 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.00 min

Lab File: BF104526.D

Acq: 16 Apr 2018 11:40

Instrument :

BNA_F

ClientSampleId :

RBR2520258

Tot Ion: 99 Resp: 1248267

Ion Ratio Lower Upper

99 100

42 16.0 14.5 21.7

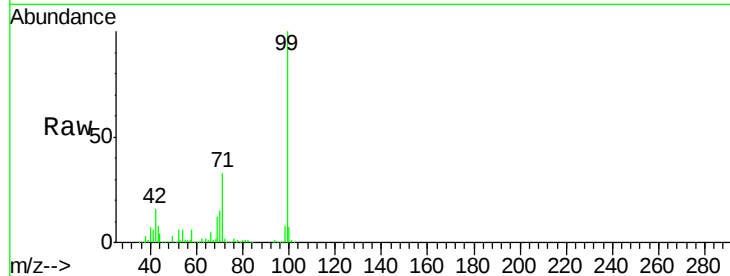
71 33.0 25.4 38.0

Manual Integrations

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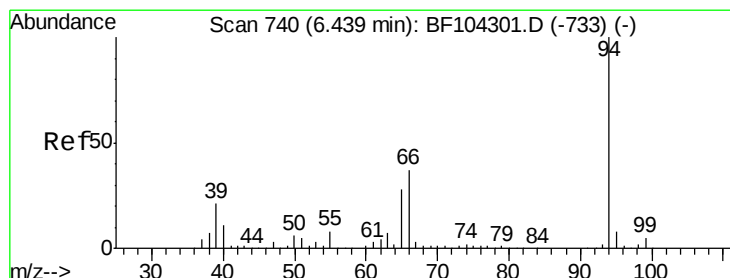
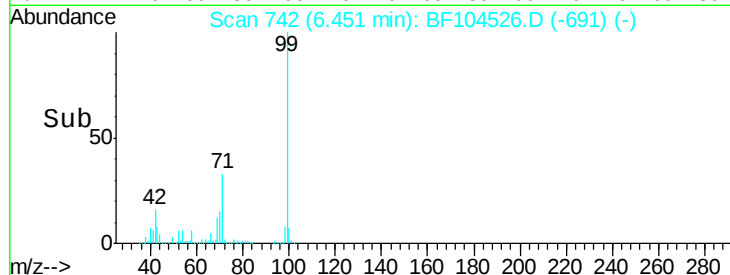
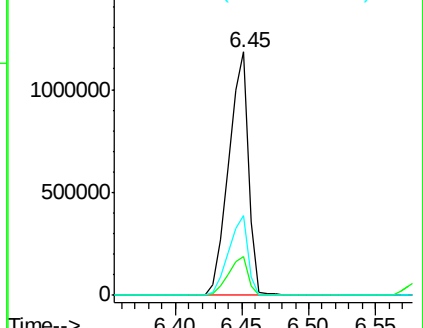
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.730 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF104526.D

Acq: 16 Apr 2018 11:40

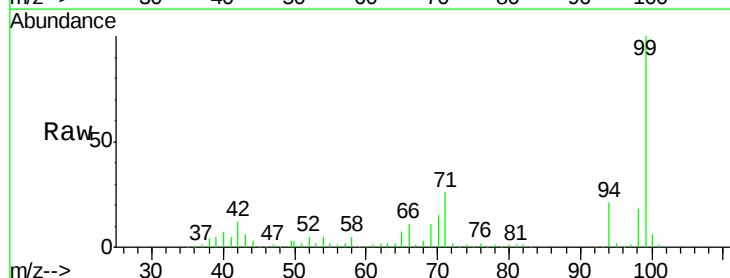
Tgt Ion: 94 Resp: 56889

Ion Ratio Lower Upper

94 100

65 32.6 7.9 47.9

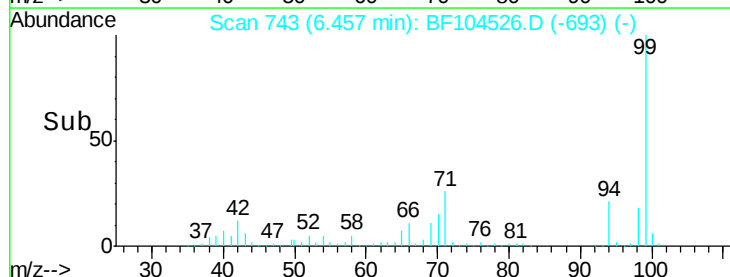
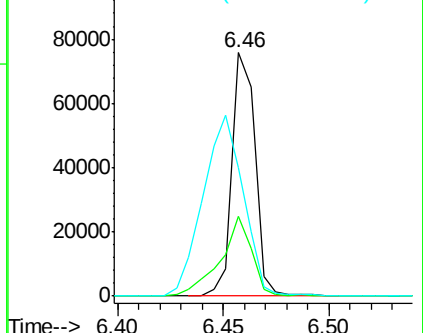
66 52.9 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





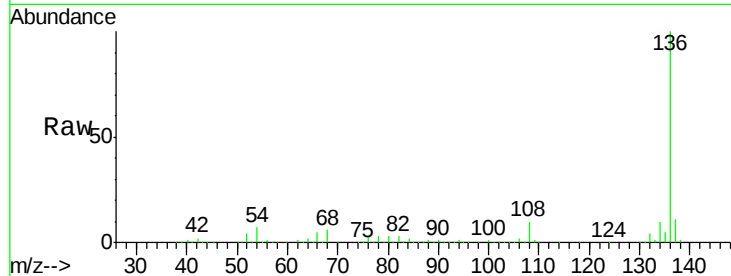
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BF104526.D
Acq: 16 Apr 2018 11:40

Instrument :
BNA_F
ClientSampleId :
RBR2520258

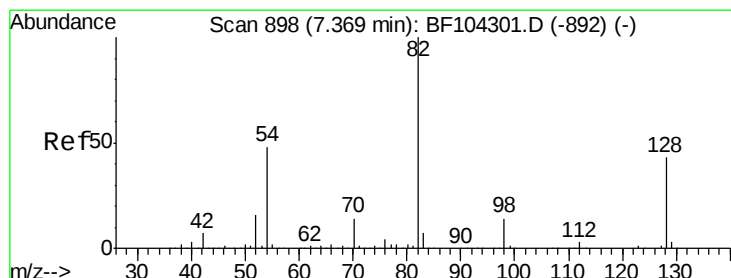
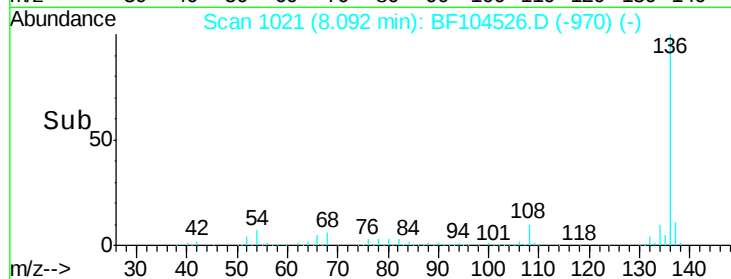
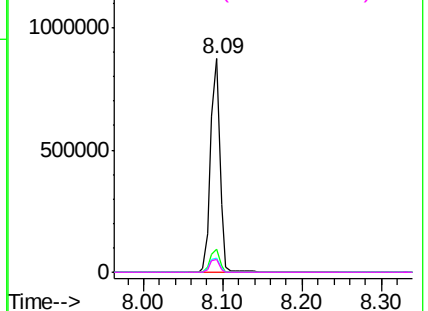
Tot Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	6.8	6.6	9.8
68	6.1	5.0	7.4

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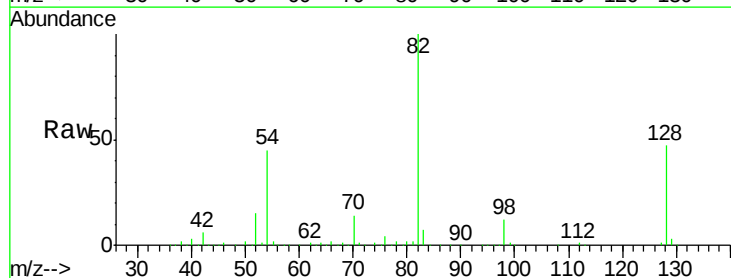


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

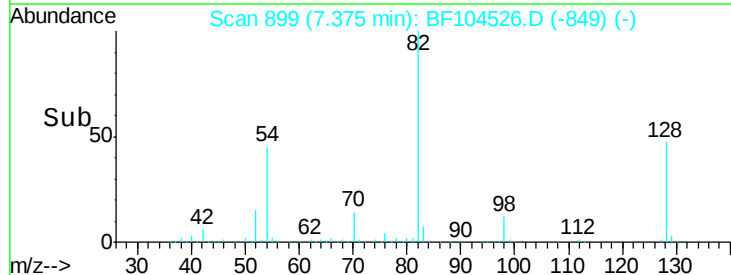
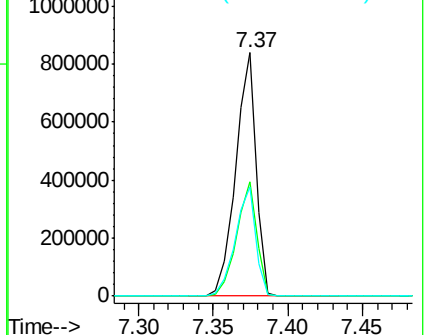


#23
Nitrobenzene-d5
Concen: 73.711 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF104526.D
Acq: 16 Apr 2018 11:40

Tgt Ion	Ratio	Lower	Upper
82	100		
128	47.1	36.1	54.1
54	44.7	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





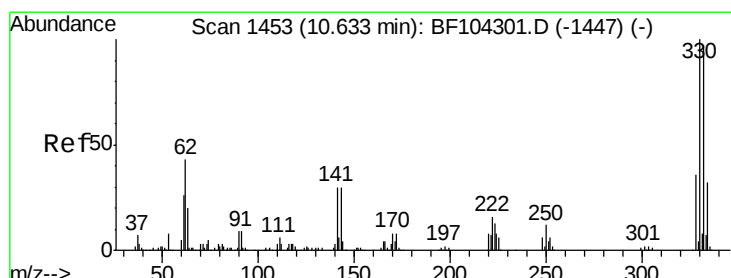
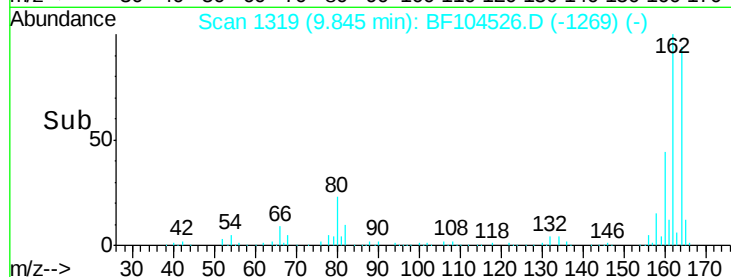
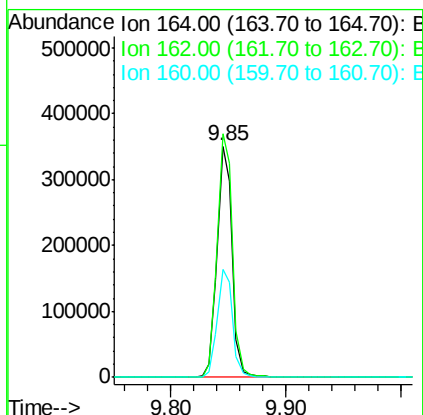
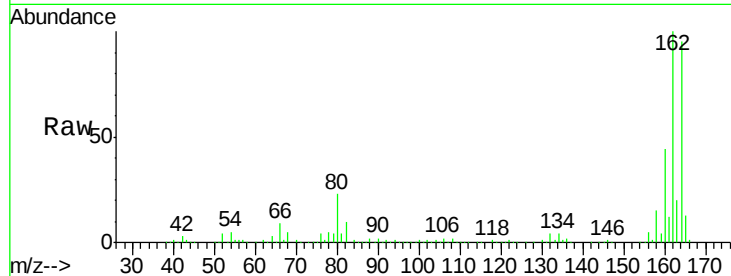
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF104526.D
Acq: 16 Apr 2018 11:40

Instrument :
BNA_F
ClientSampleId :
RBR2520258

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	105.3	86.1	129.1	
160	46.4	38.3	57.5	

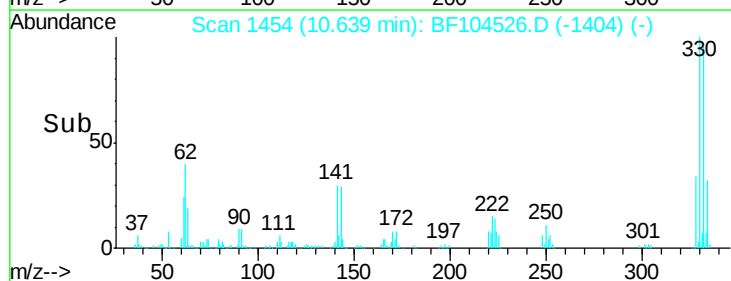
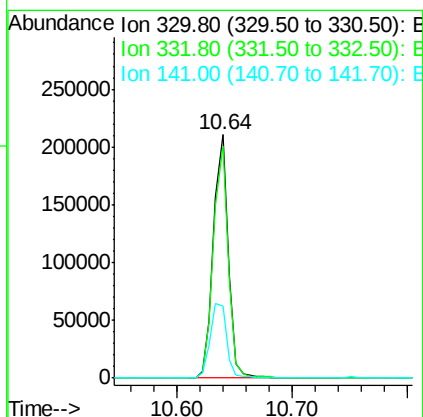
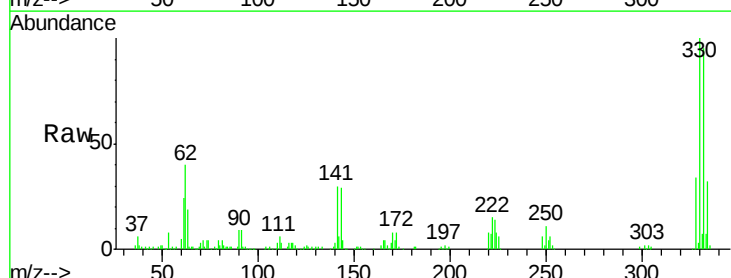
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#41
2,4,6-Tribromophenol
Concen: 57.497 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF104526.D
Acq: 16 Apr 2018 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.3	77.0	115.6	
141	34.9	29.9	44.9	





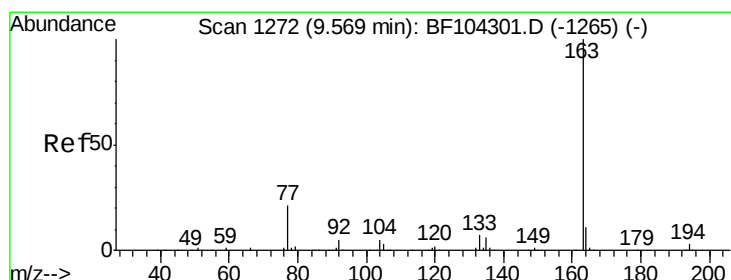
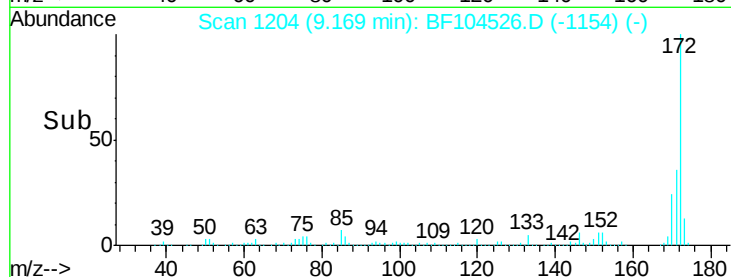
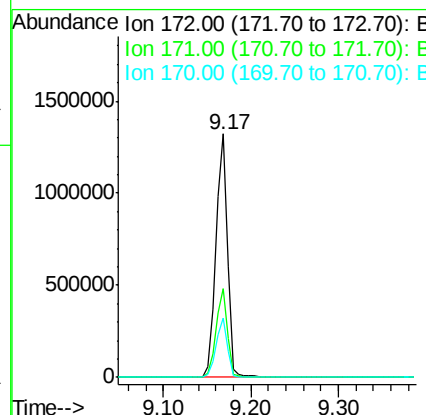
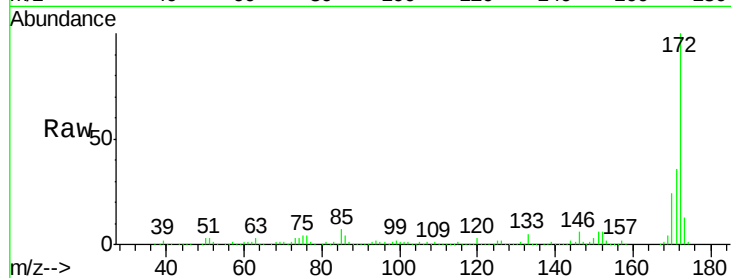
#44
2-Fluorobiphenyl
Concen: 60.925 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF104526.D
Acq: 16 Apr 2018 11:40

Instrument :
BNA_F
ClientSampleId :
RBR2520258

Tot Ion	Ion	Ratio	Lower	Upper
172	100			
171	36.5	29.7	44.5	
170	24.4	19.6	29.4	

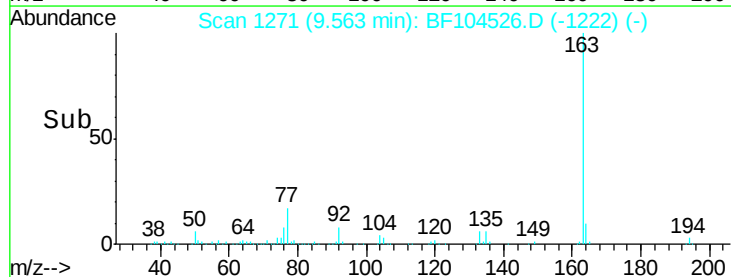
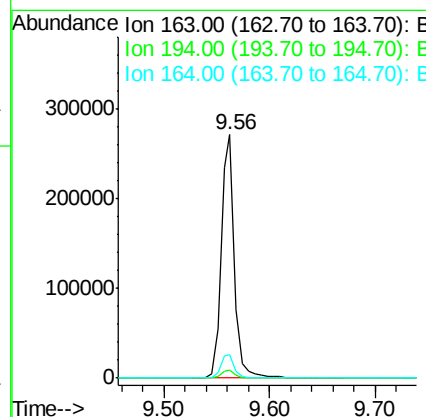
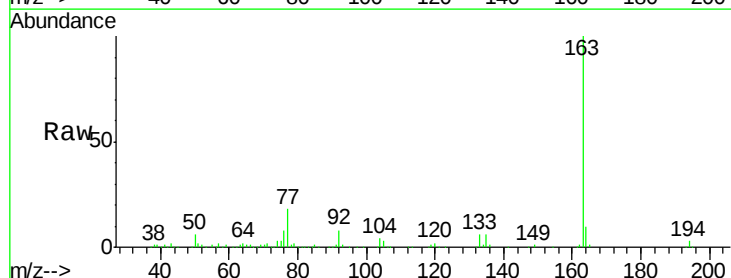
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#49
Dimethylphthalate
Concen: 9.711 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF104526.D
Acq: 16 Apr 2018 11:40

Tgt Ion	Ion	Ratio	Lower	Upper
163	100			
194	3.5	2.7	4.1	
164	9.6	8.2	12.2	





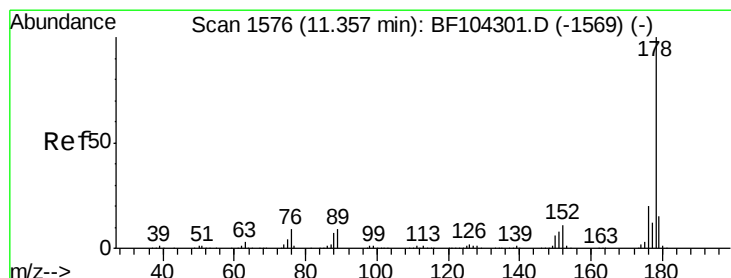
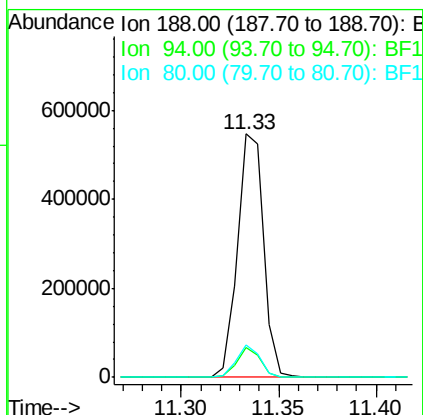
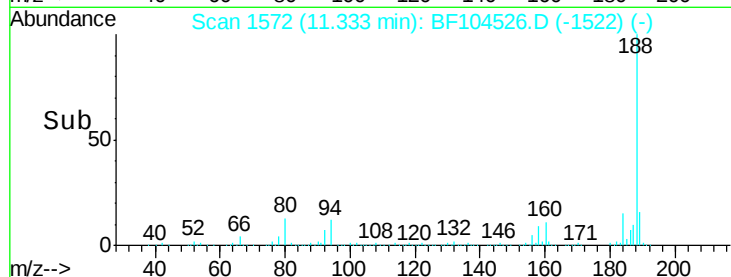
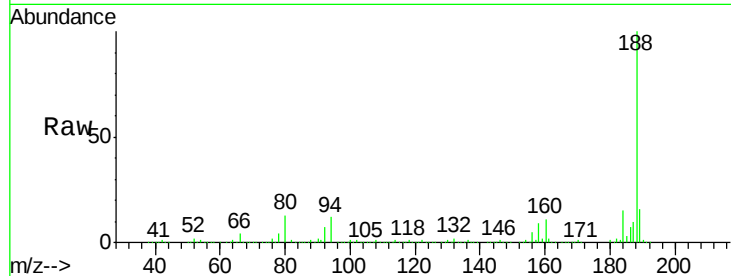
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF104526.D
Acq: 16 Apr 2018 11:40

Instrument :
BNA_F
ClientSampleId :
RBR2520258

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	12.1	8.5	12.7
80	13.3	9.2	13.8

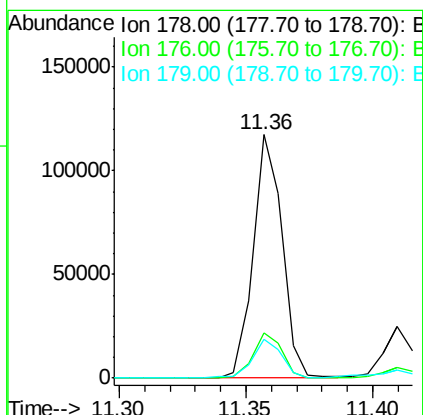
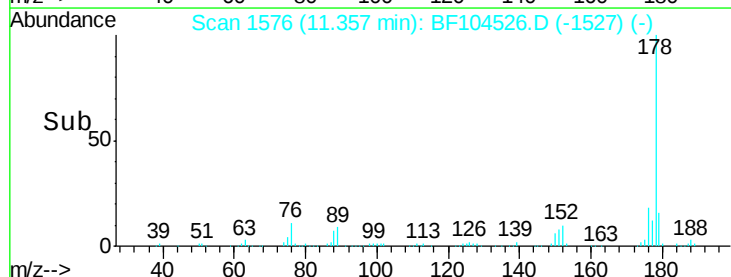
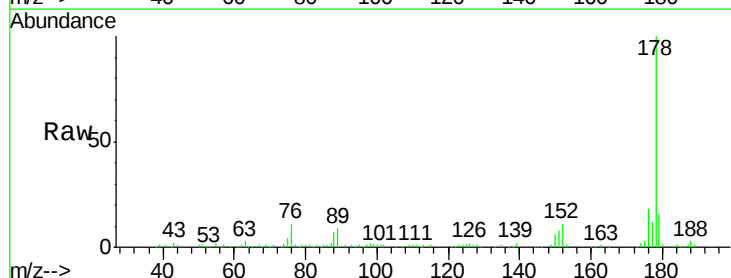
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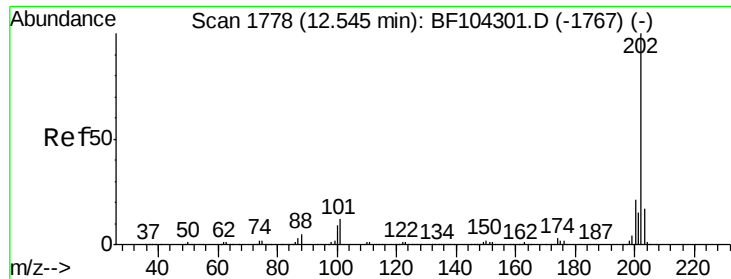
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#70
Phenanthrene
Concen: 3.324 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF104526.D
Acq: 16 Apr 2018 11:40

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.5	15.8	23.8
179	15.7	13.0	19.6





#74

Fluoranthene

Concen: 7.547 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.01 min

Lab File: BF104526.D

Acq: 16 Apr 2018 11:40

Instrument :

BNA_F

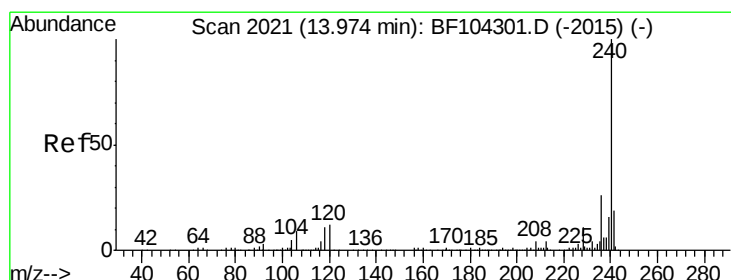
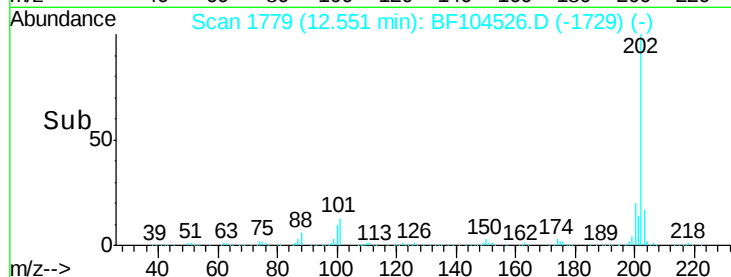
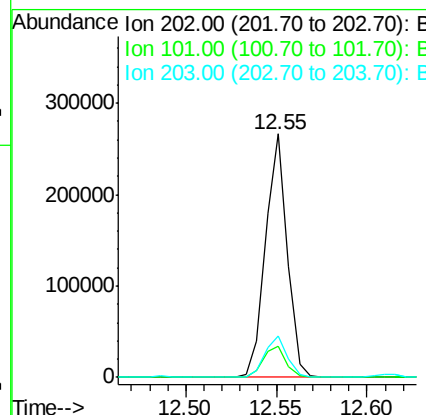
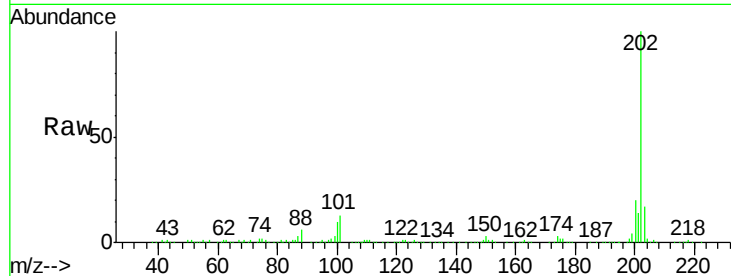
ClientSampleId :

RBR2520258

Tot Ion:	202	Resp:	222379
Ion Ratio	Lower	Upper	
202	100		
101	12.8	0.0	34.1
203	17.1	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

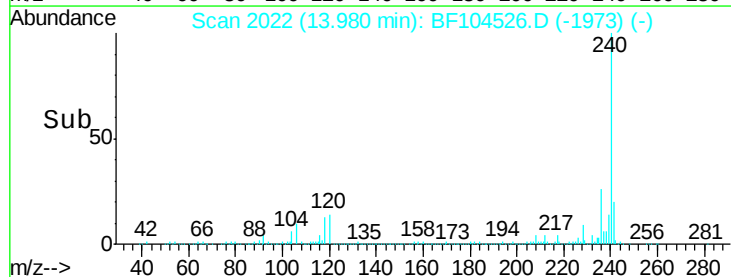
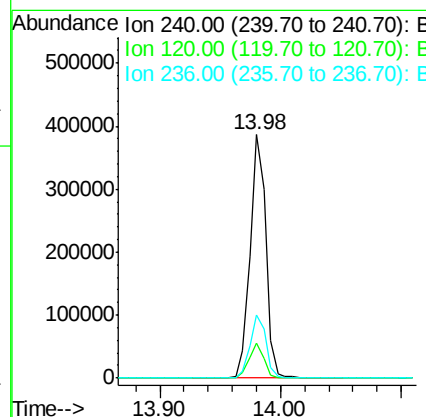
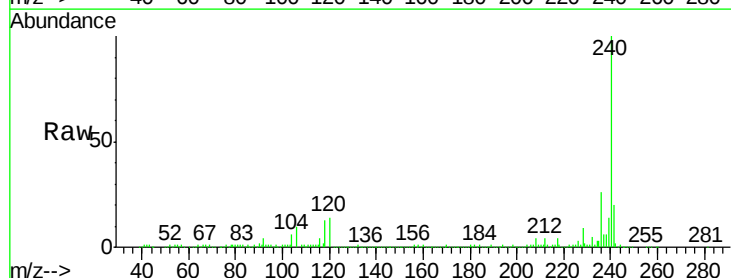
RT: 13.98 min Scan# 2022

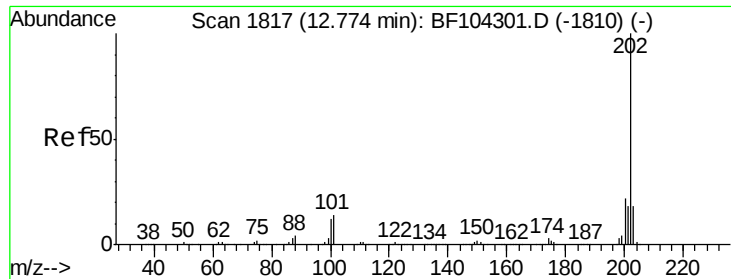
Delta R.T. -0.01 min

Lab File: BF104526.D

Acq: 16 Apr 2018 11:40

Tgt Ion:	240	Resp:	355011
Ion Ratio	Lower	Upper	
240	100		
120	14.4	9.5	14.3#
236	26.2	20.7	31.1





#77

Pvrene

Concen: 7.860 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF104526.D

Acq: 16 Apr 2018 11:40

Instrument :

BNA_F

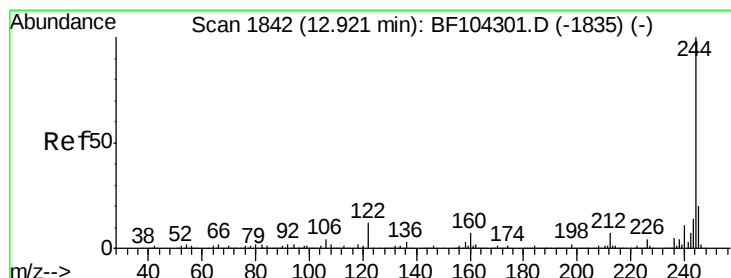
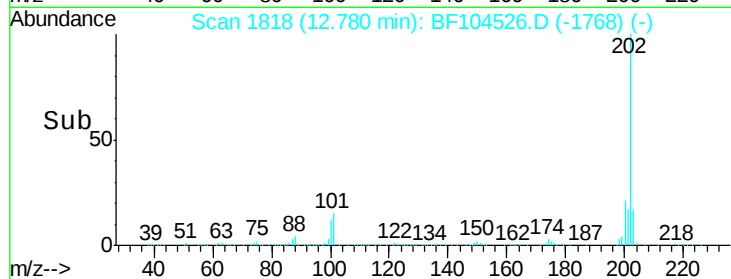
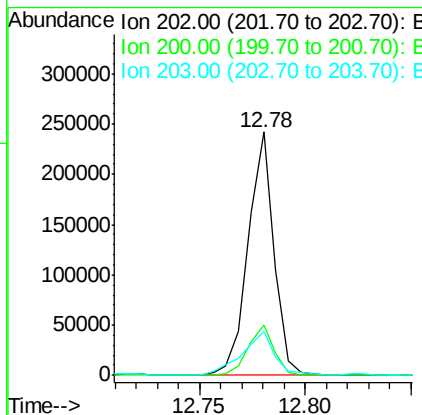
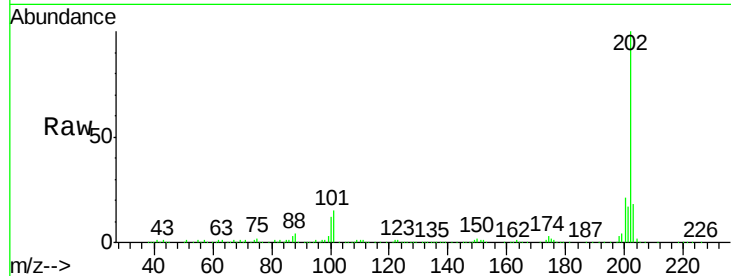
ClientSampleId :

RBR2520258

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.5	17.4	26.2	
203	17.9	14.3	21.5	

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#78

Terphenyl-d14

Concen: 61.480 ng

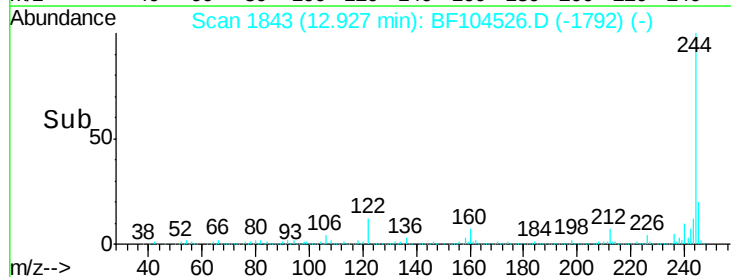
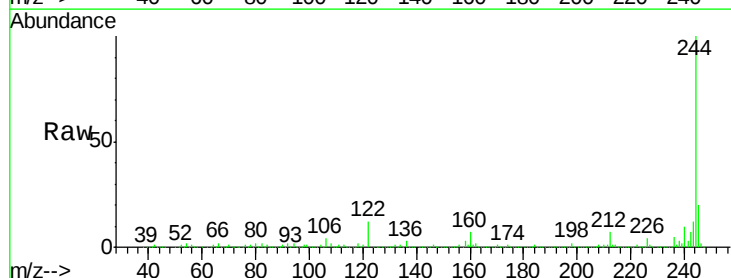
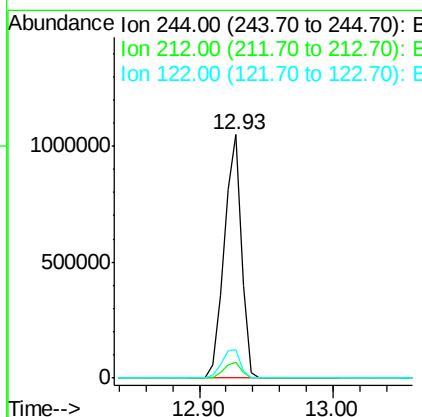
RT: 12.93 min Scan# 1843

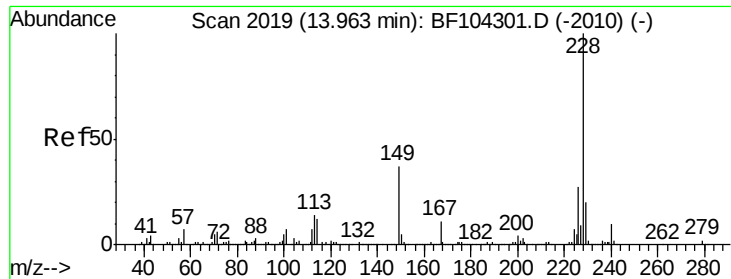
Delta R.T. -0.00 min

Lab File: BF104526.D

Acq: 16 Apr 2018 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.5	5.4	8.0	
122	11.9	11.0	16.4	





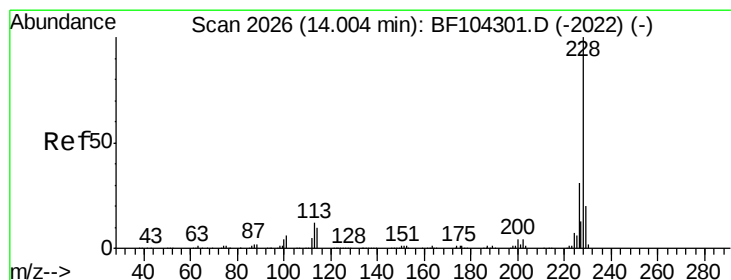
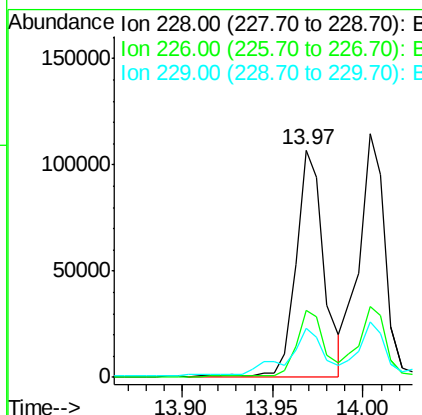
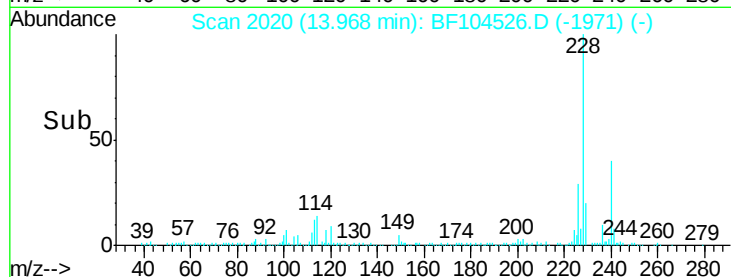
#80
Benzo(a)anthracene
Concen: 5.349 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF104526.D
Acq: 16 Apr 2018 11:40

Instrument :
BNA_F
ClientSampleId :
RBR2520258

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	22.6	33.8
229	21.8	15.8	23.6

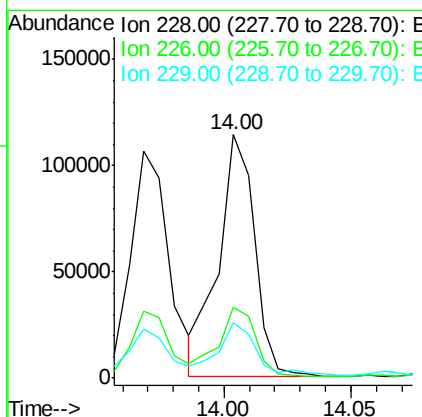
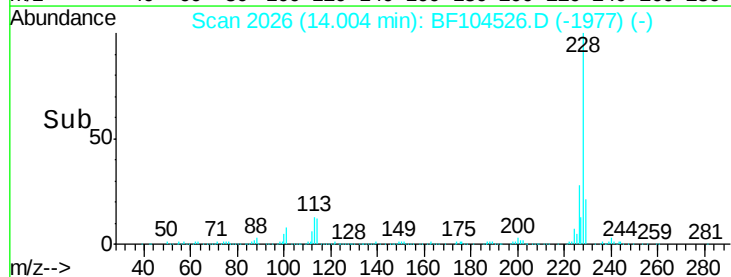
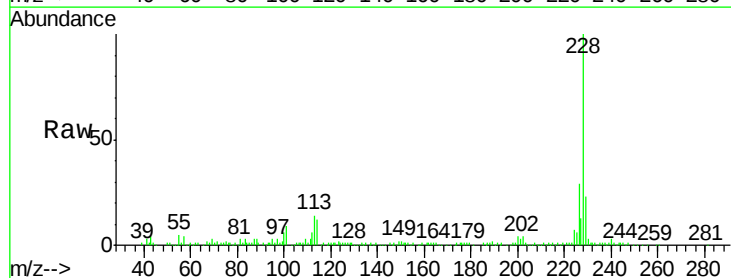
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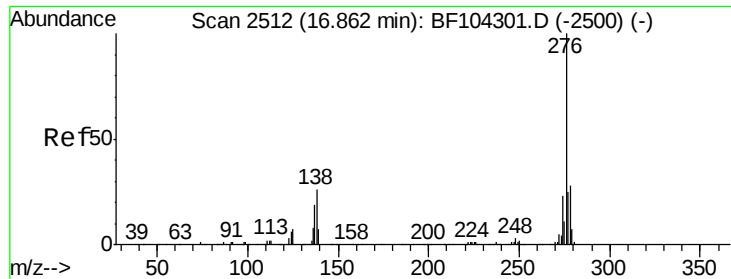
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#82
Chrysene
Concen: 5.211 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF104526.D
Acq: 16 Apr 2018 11:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	25.0	37.6
229	22.9	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.630 ng

RT: 16.90 min Scan# 2518

Delta R.T. -0.02 min

Lab File: BF104526.D

Acq: 16 Apr 2018 11:40

Instrument :

BNA_F

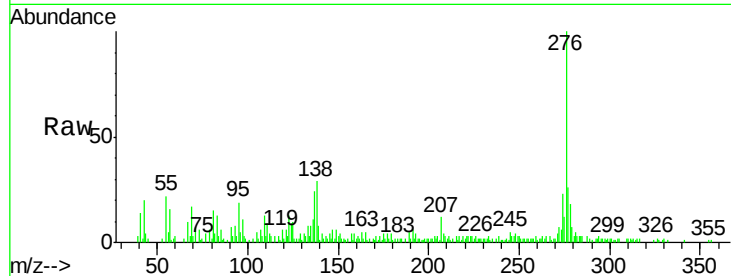
ClientSampleId :

RBR2520258

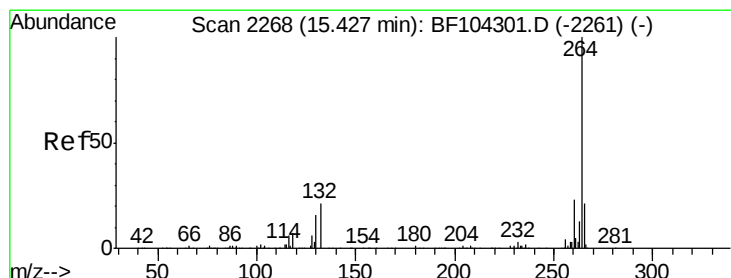
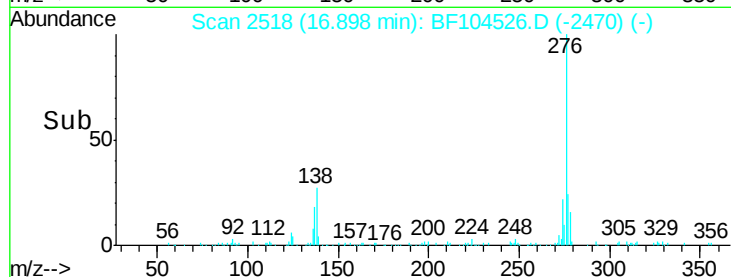
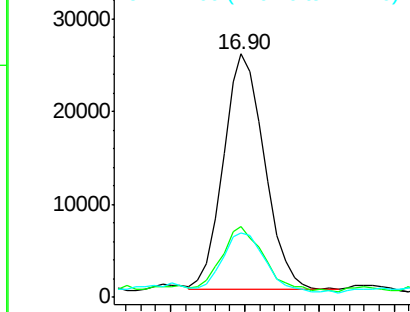
Tot Ion:	276	Resp:	48662
Ion Ratio	Lower	Upper	
276	100		
138	28.2	25.0	37.6
277	28.4	20.1	30.1

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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

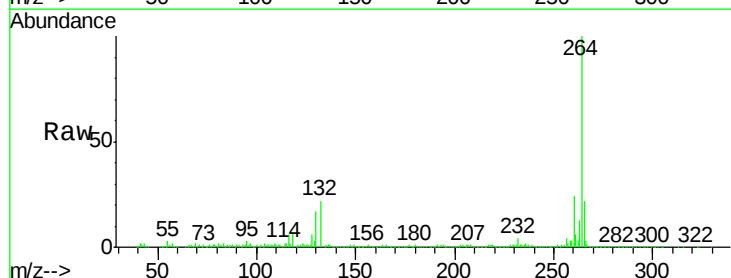
RT: 15.45 min Scan# 2272

Delta R.T. -0.01 min

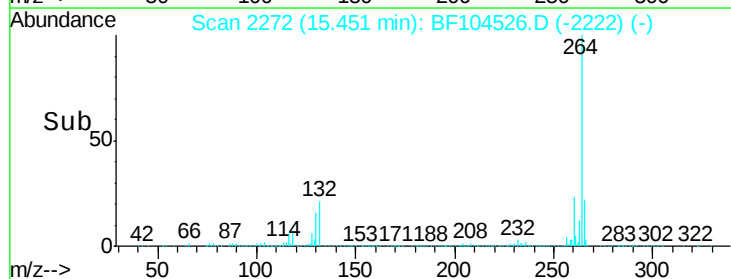
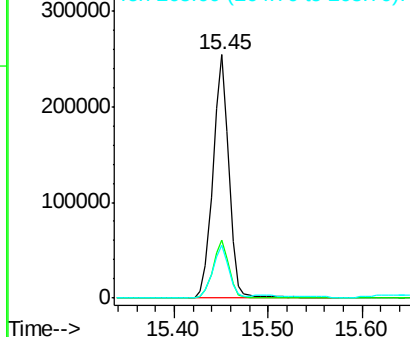
Lab File: BF104526.D

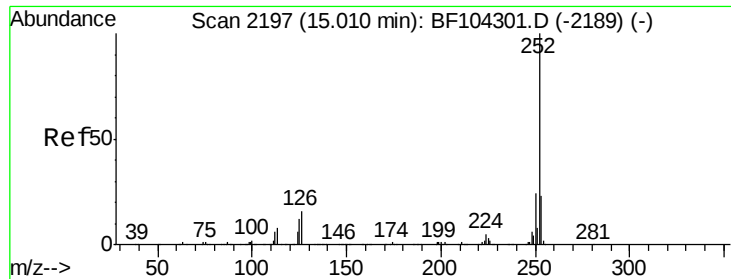
Acq: 16 Apr 2018 11:40

Tgt Ion:	264	Resp:	303855
Ion Ratio	Lower	Upper	
264	100		
260	23.6	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





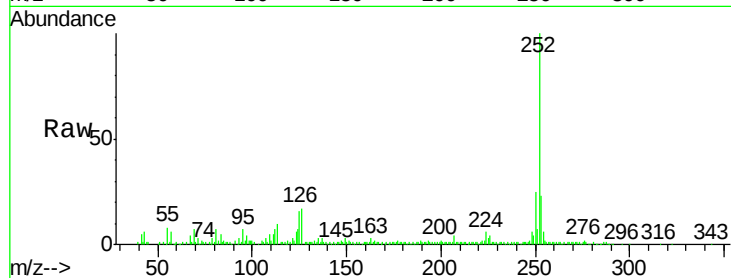
#87
Benzo(b)fluoranthene
Concen: 7.232 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF104526.D
Acq: 16 Apr 2018 11:40

Instrument :
BNA_F
ClientSampleId :
RBR2520258

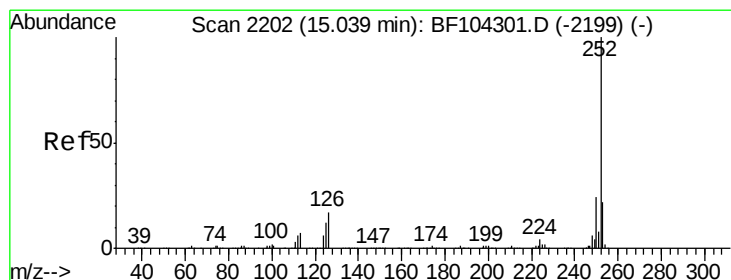
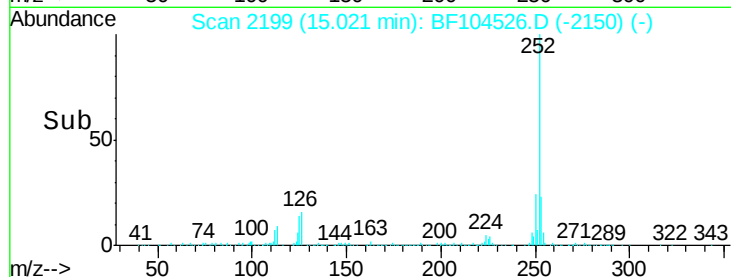
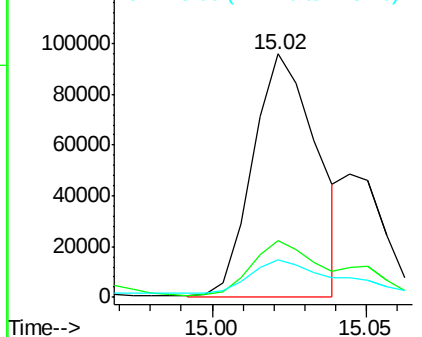
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.6
125	15.6	9.0	13.6

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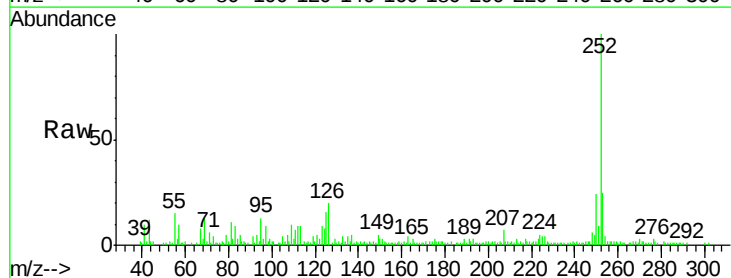


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

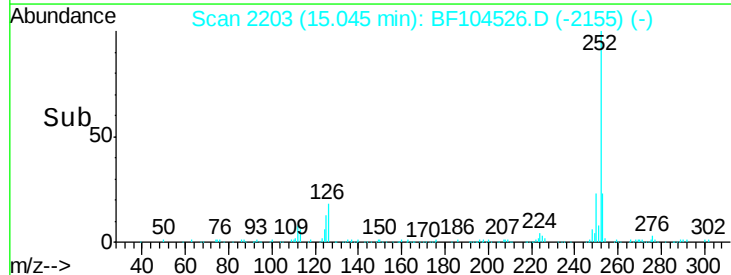
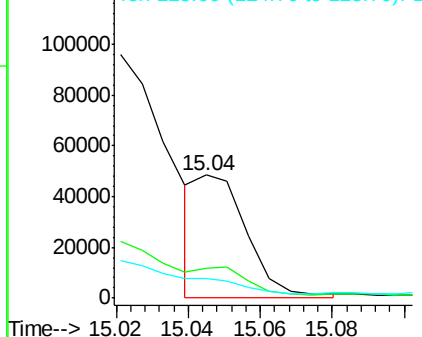


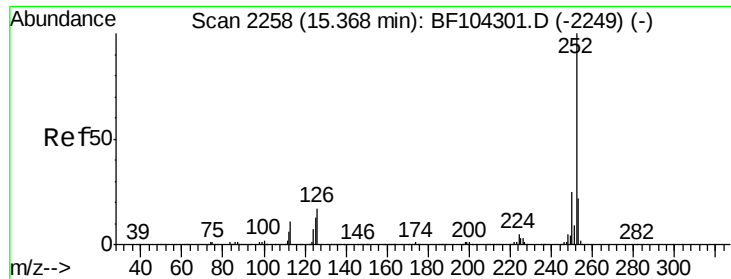
#88
Benzo(k)fluoranthene
Concen: 2.583 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.02 min
Lab File: BF104526.D
Acq: 16 Apr 2018 11:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.9	26.9
125	16.1	10.2	15.2



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





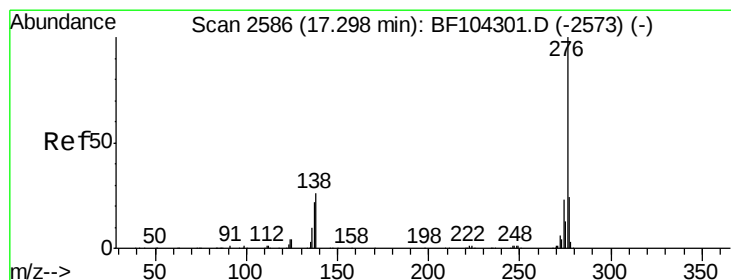
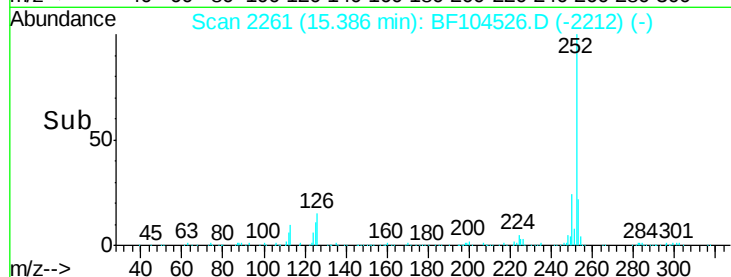
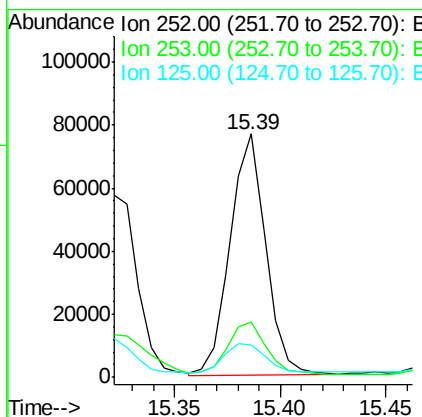
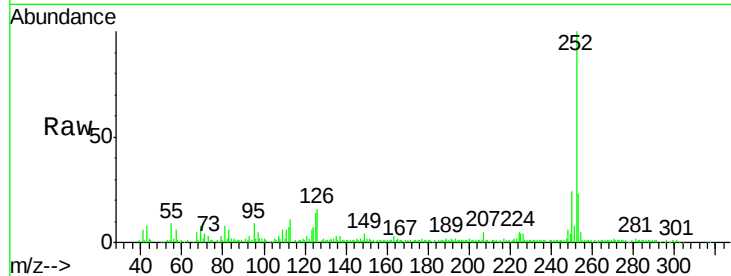
#89
Benzo(a)pyrene
Concen: 5.205 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BF104526.D
Acq: 16 Apr 2018 11:40

Instrument :
BNA_F
ClientSampleId :
RBR2520258

Tot Ion:	252	Resp:	89383
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.1	25.7
125	13.5	9.8	14.6

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#91
Benzo(g,h,i)perylene
Concen: 3.660 ng
RT: 17.34 min Scan# 2593
Delta R.T. -0.02 min
Lab File: BF104526.D
Acq: 16 Apr 2018 11:40

Tgt Ion:	276	Resp:	50007
Ion Ratio	Lower	Upper	
276	100		
277	26.0	17.9	26.9
138	28.4	21.8	32.8

