

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030218\
 Data File : BF103372.D
 Acq On : 2 Mar 2018 18:25
 Operator : SJ/JU
 Sample : J1730-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ROLLOFF-20408

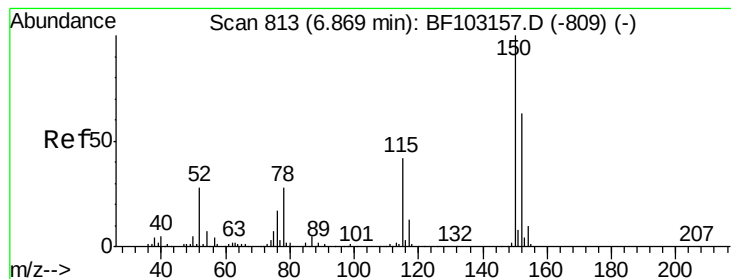
Manual Integrations
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Quant Time: Mar 02 22:46:33 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 02 13:28:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	136012	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	589930	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	264500	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	455010	20.00	ng	-0.01
75) Chrysene-d12	14.06	240	280985	20.00	ng	-0.01
86) Perylene-d12	15.56	264	233613	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	906543	100.81	ng	0.00
7) Phenol-d6	6.51	99	1091799	99.22	ng	0.00
23) Nitrobenzene-d5	7.44	82	721275	69.82	ng	-0.01
41) 2,4,6-Tribromophenol	10.71	330	207567	92.71	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1046092	64.21	ng	0.00
78) Terphenyl-d14	12.99	244	860774	73.64	ng	0.00
Target Compounds						
10) Phenol	6.52	94	43950	3.440	ng	88
49) Dimethylphthalate	9.63	163	85185	4.015	ng	99
70) Phenanthrene	11.43	178	67484	2.695	ng	97
74) Fluoranthene	12.63	202	179687	7.141	ng	97
77) Pyrene	12.86	202	157551	7.192	ng	98
80) Benzo(a)anthracene	14.04	228	57762	3.168	ng	98
82) Chrysene	14.09	228	69983	3.953	ng	99
83) Bis(2-ethylhexyl)phthalate	14.02	149	463524	29.676	ng	# 99
85) Indeno(1,2,3-cd)pyrene	17.10	276	36488	2.604	ng	93
87) Benzo(b)fluoranthene	15.12	252	73658m	4.795	ng	
88) Benzo(k)fluoranthene	15.15	252	29502m	2.040	ng	
89) Benzo(a)pyrene	15.50	252	48498	3.536	ng	# 94
91) Benzo(a,h,i)perylene	17.57	276	38437	3.711	ng	# 90

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



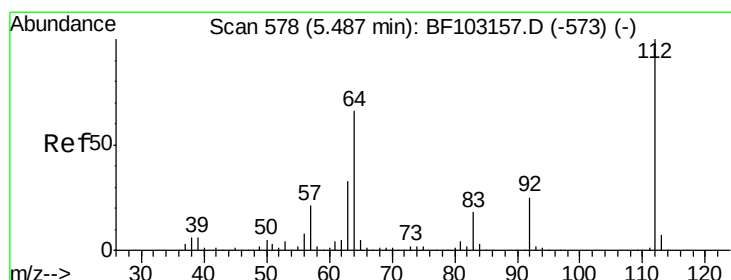
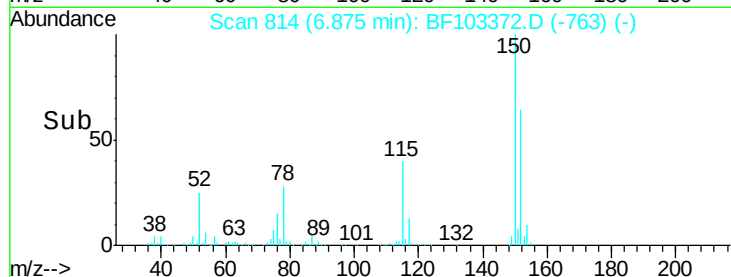
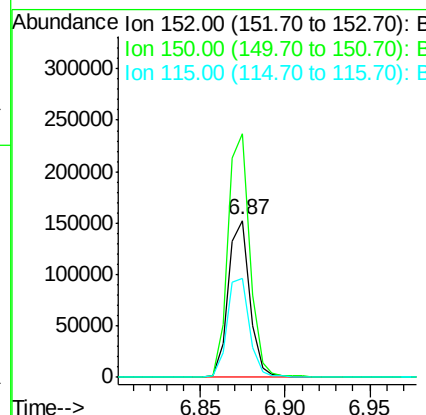
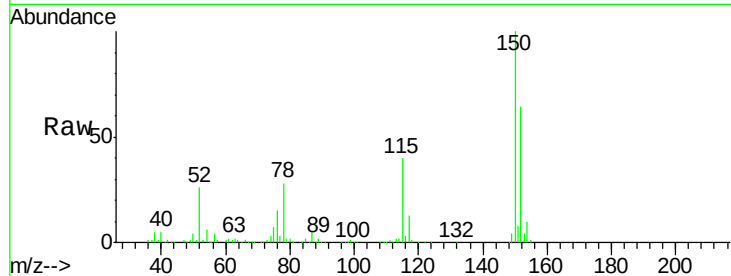
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.87 min Scan# 814
 Delta R.T. 0.00 min
 Lab File: BF103372.D
 Acq: 2 Mar 2018 18:25

Instrument :
 BNA_F
 ClientSampleId :
 ROLLOFF-20408

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.6	186.8
115	62.7	50.1	75.1

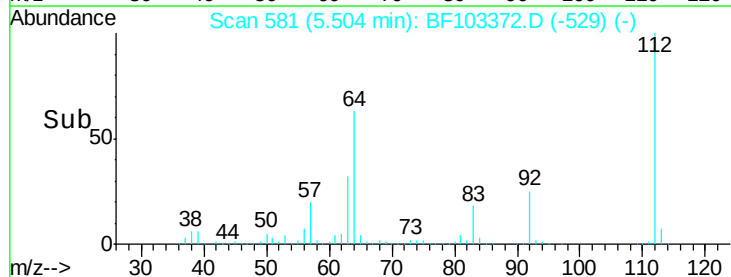
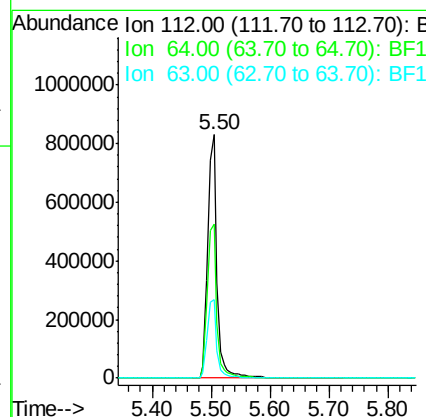
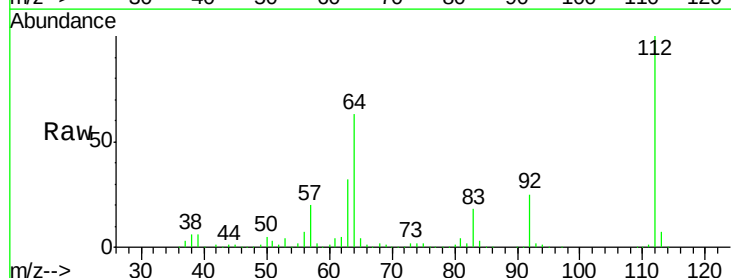
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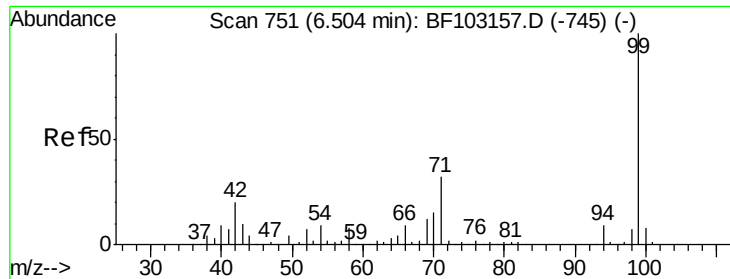
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#5
 2-Fluorophenol
 Concen: 100.806 ng
 RT: 5.50 min Scan# 581
 Delta R.T. 0.01 min
 Lab File: BF103372.D
 Acq: 2 Mar 2018 18:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.0	47.9	71.9
63	32.4	23.7	35.5





#7

Phenol-d6

Concen: 99.216 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF103372.D

Acq: 2 Mar 2018 18:25

Instrument :

BNA_F

ClientSampleId :

ROLLOFF-20408

Tot Ion: 99 Resp: 1091799

Ion Ratio Lower Upper

99 100

42 19.7 14.5 21.7

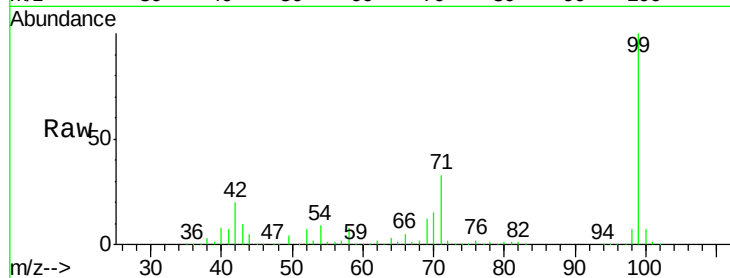
71 32.8 25.4 38.0

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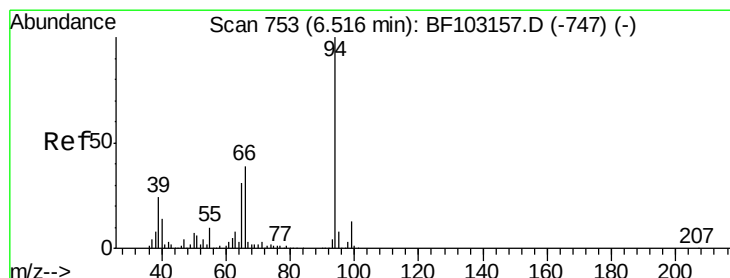
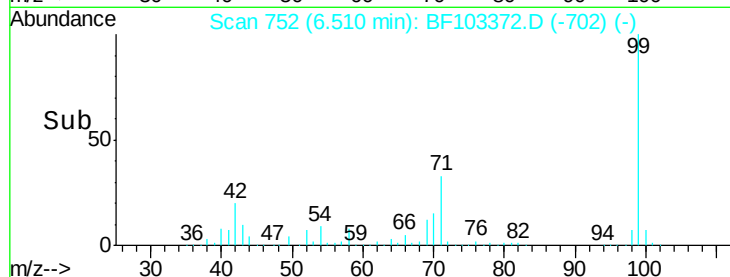
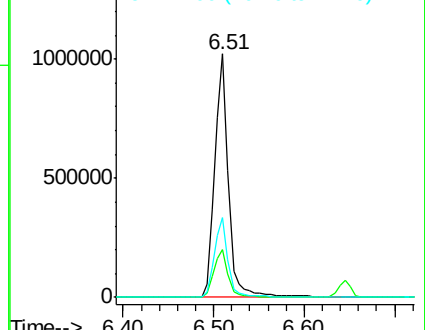
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.440 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF103372.D

Acq: 2 Mar 2018 18:25

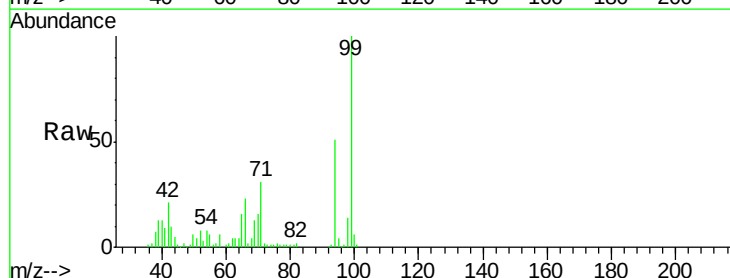
Tgt Ion: 94 Resp: 43950

Ion Ratio Lower Upper

94 100

65 31.8 7.9 47.9

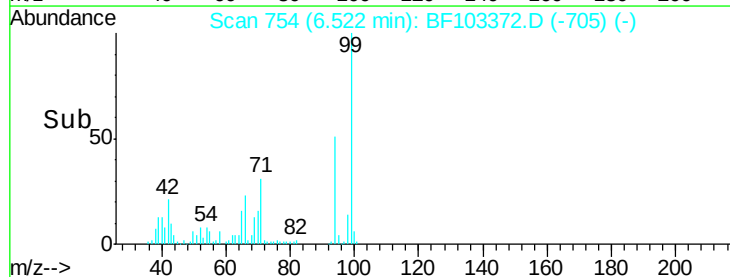
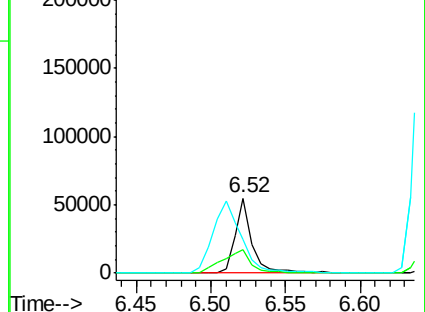
66 44.9 16.2 56.2

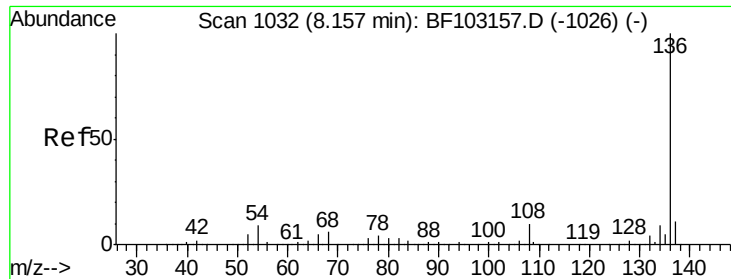


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





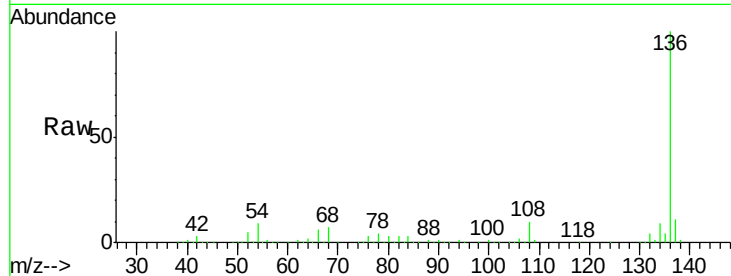
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF103372.D
Acq: 2 Mar 2018 18:25

Instrument :
BNA_F
ClientSampleId :
ROLLOFF-20408

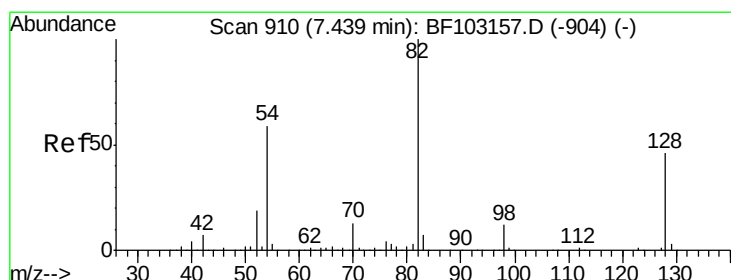
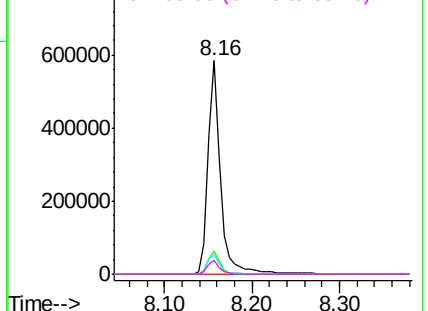
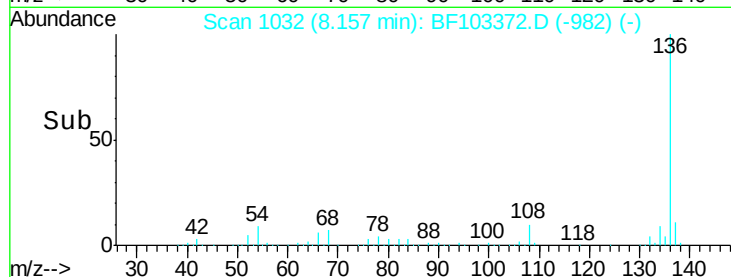
Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		589930		
137	10.8		8.9	13.3	
54	9.0		6.6	9.8	
68	6.8		5.0	7.4	

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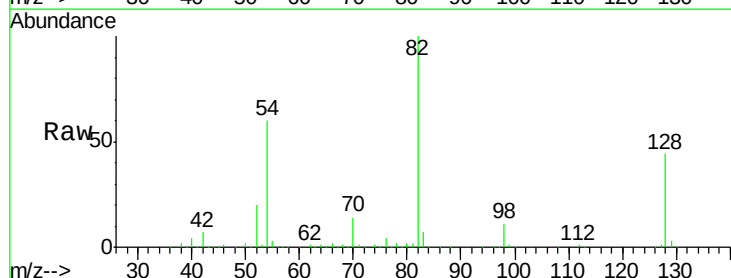


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

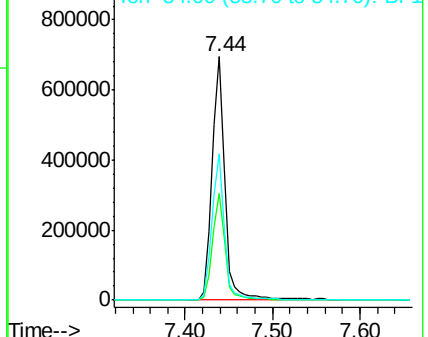
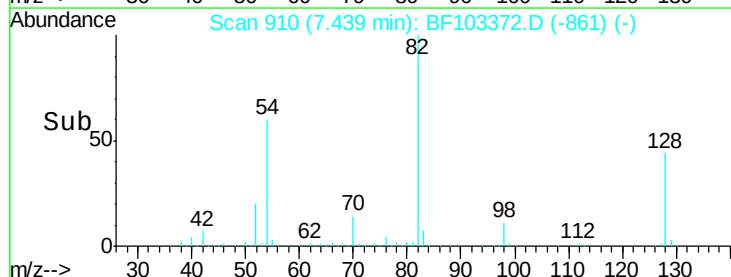


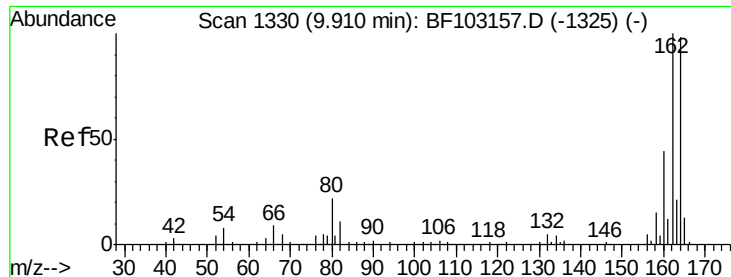
#23
Nitrobenzene-d5
Concen: 69.823 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103372.D
Acq: 2 Mar 2018 18:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		721275		
128	43.7		36.1	54.1	
54	60.0		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: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF103372.D

Acq: 2 Mar 2018 18:25

Instrument :

BNA_F

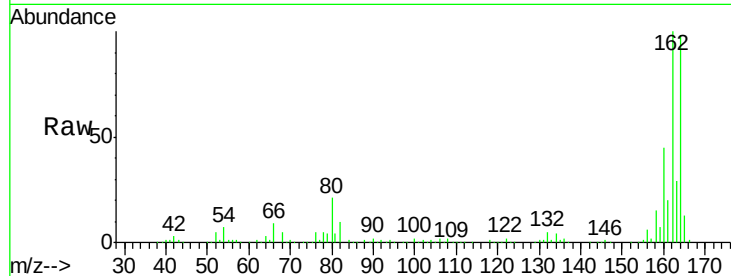
ClientSampleId :

ROLLOFF-20408

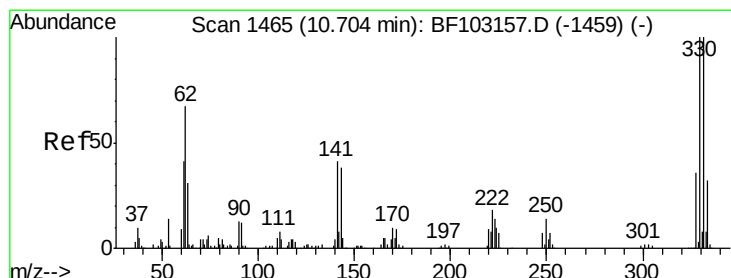
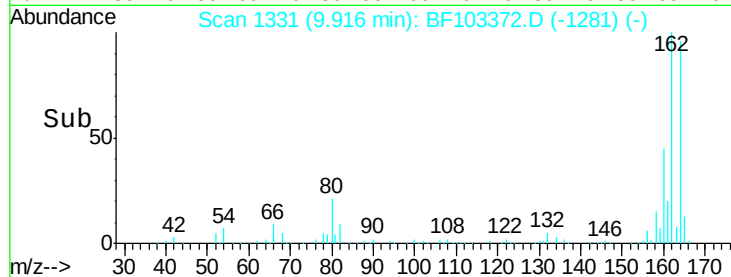
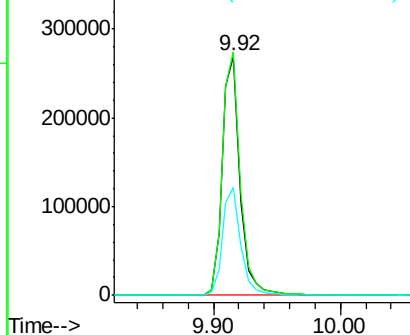
Tot Ion:	164	Resp:	264500
Ion Ratio	Lower	Upper	
164	100		
162	102.0	86.1	129.1
160	45.5	38.3	57.5

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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 92.712 ng

RT: 10.71 min Scan# 1466

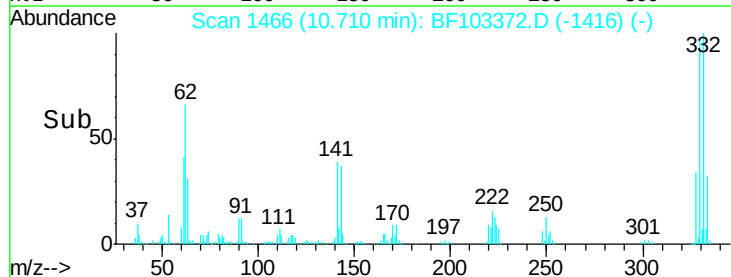
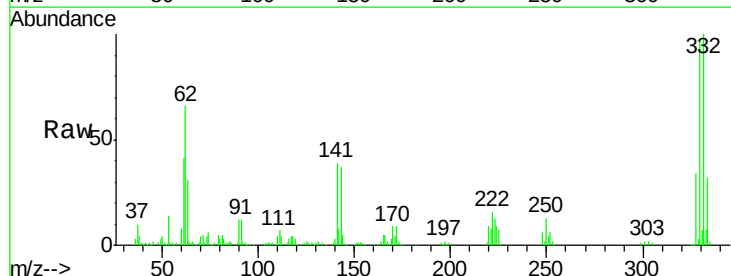
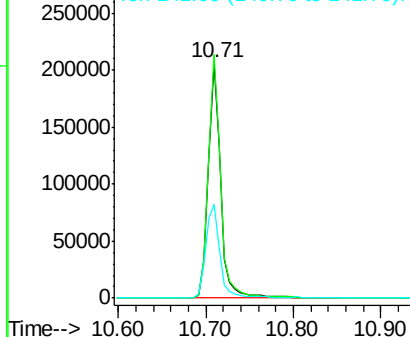
Delta R.T. -0.01 min

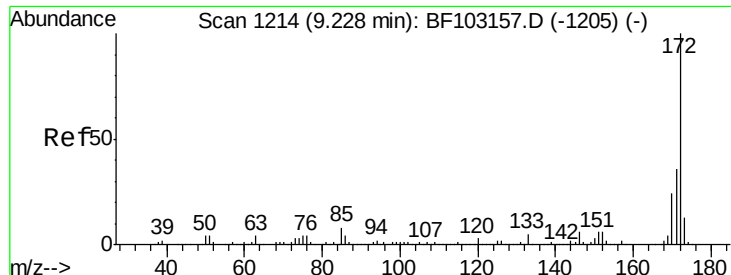
Lab File: BF103372.D

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Tgt Ion:	330	Resp:	207567
Ion Ratio	Lower	Upper	
330	100		
332	102.1	77.0	115.6
141	44.9	29.9	44.9#

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





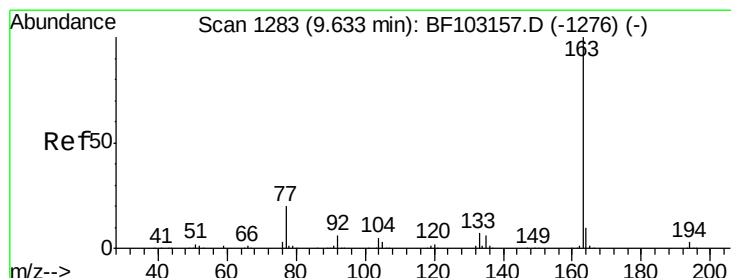
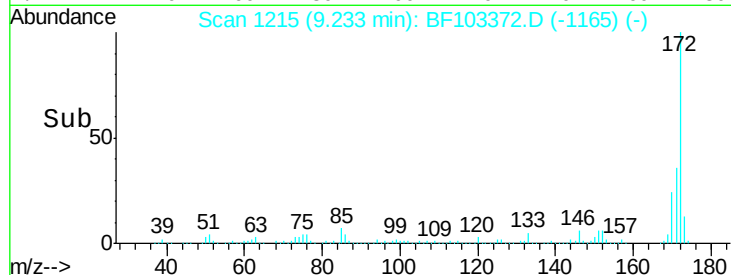
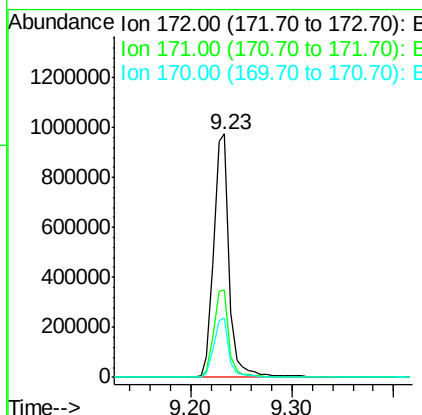
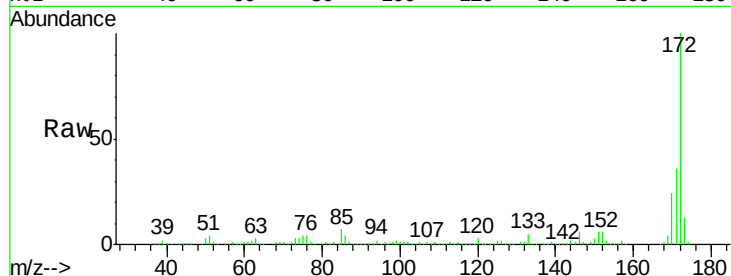
#44
2-Fluorobiphenyl
Concen: 64.206 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF103372.D
Acq: 2 Mar 2018 18:25

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	24.4	19.6	29.4

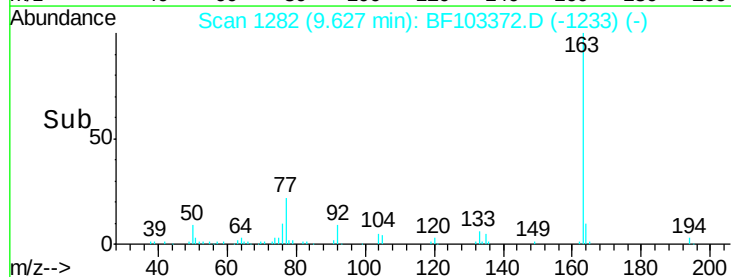
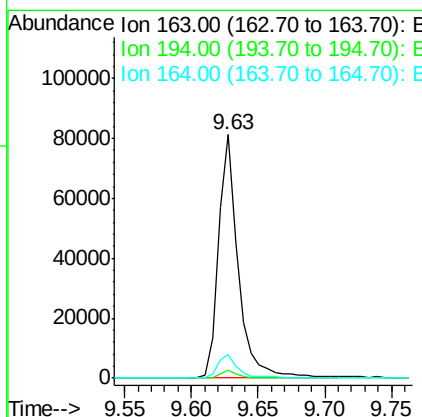
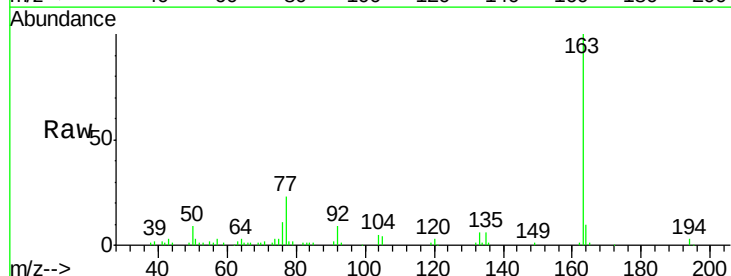
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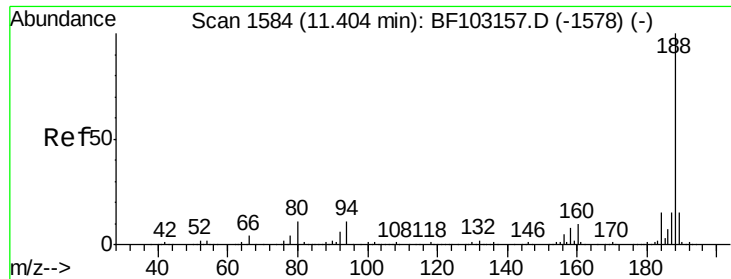
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#49
Dimethylphthalate
Concen: 4.015 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF103372.D
Acq: 2 Mar 2018 18:25

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.7	4.1
164	9.7	8.2	12.2





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF103372.D

Acq: 2 Mar 2018 18:25

Instrument :

BNA_F

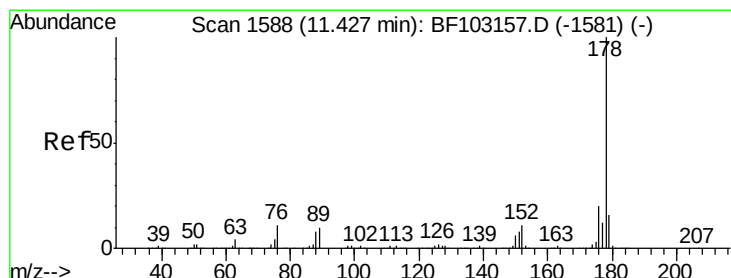
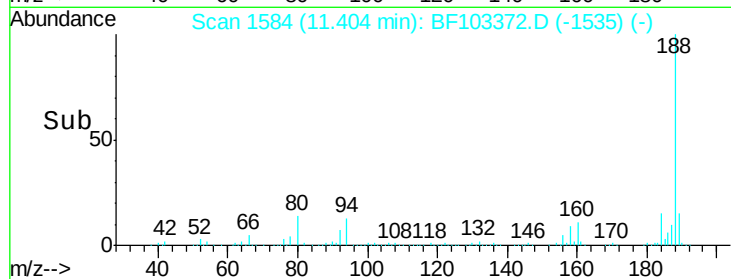
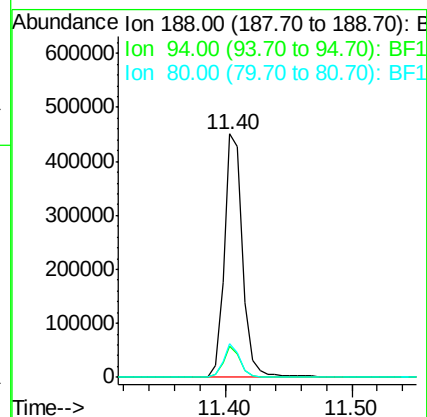
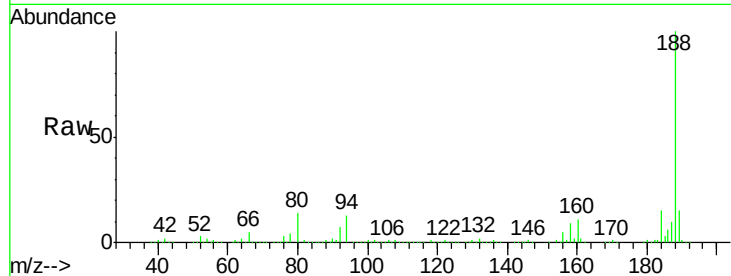
ClientSampleId :

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Tot Ion:	188	Resp:	455010
Ion Ratio	Lower	Upper	
188	100		
94	12.7	8.5	12.7
80	13.6	9.2	13.8

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#70

Phenanthrene

Concen: 2.695 ng

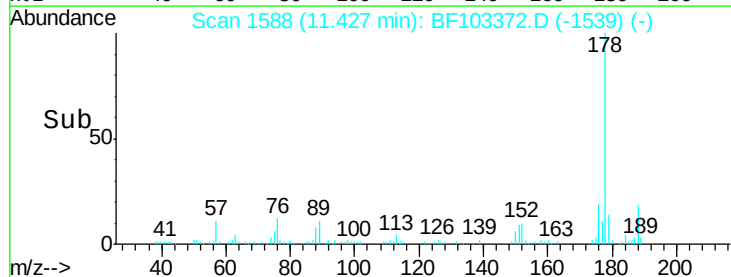
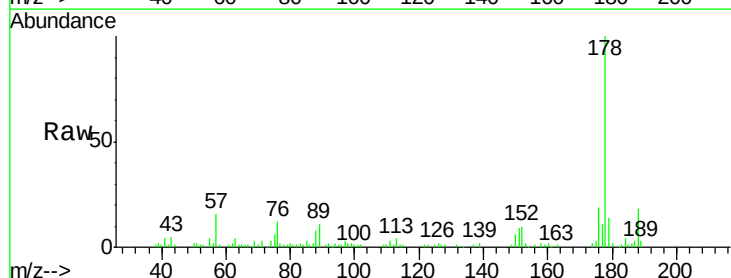
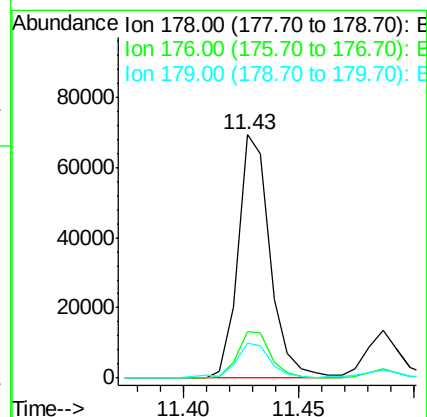
RT: 11.43 min Scan# 1588

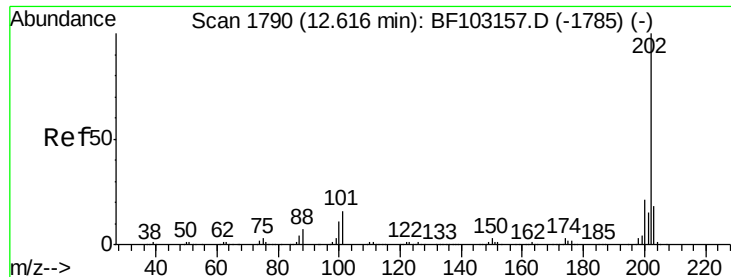
Delta R.T. -0.01 min

Lab File: BF103372.D

Acq: 2 Mar 2018 18:25

Tgt Ion:	178	Resp:	67484
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.8	23.8
179	14.3	13.0	19.6





#74

Fluoranthene

Concen: 7.141 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF103372.D

Acq: 2 Mar 2018 18:25

Instrument :

BNA_F

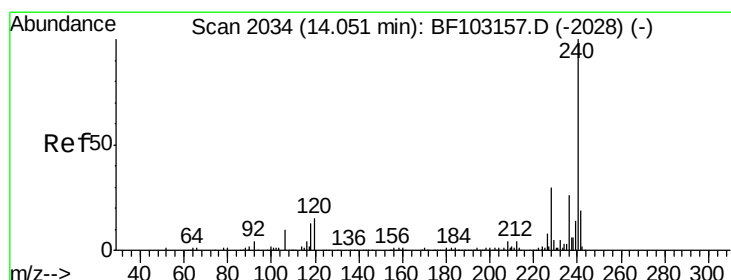
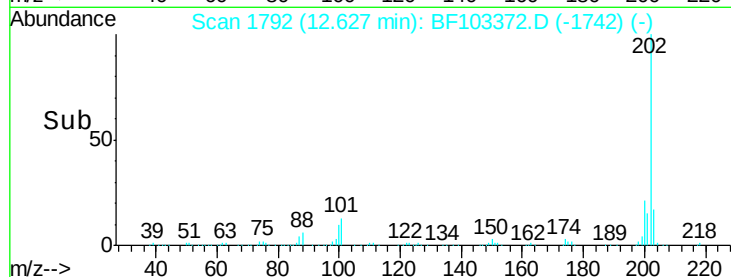
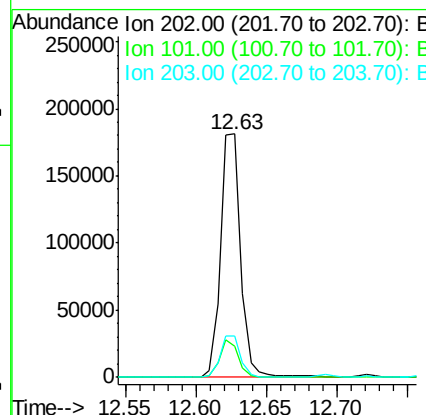
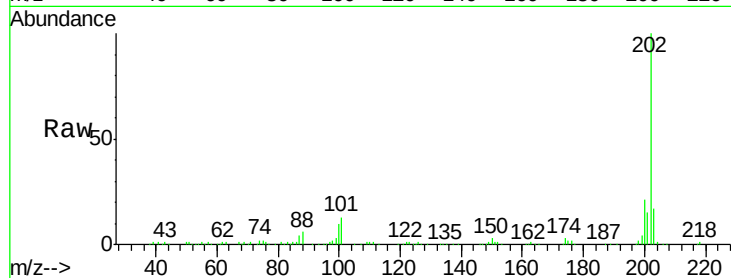
ClientSampleId :

ROLLOFF-20408

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.6	0.0	34.1
203	16.9	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

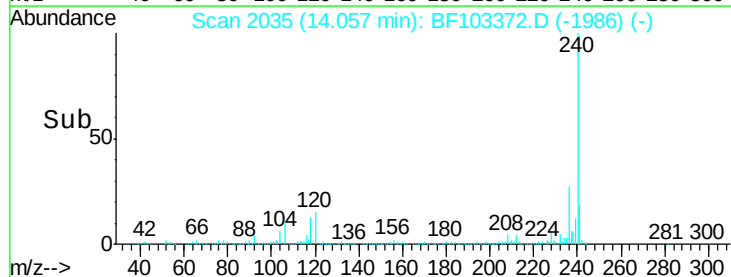
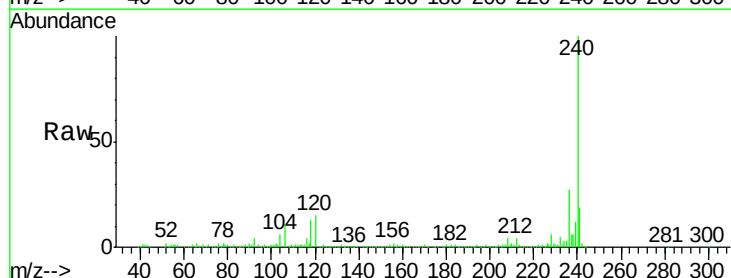
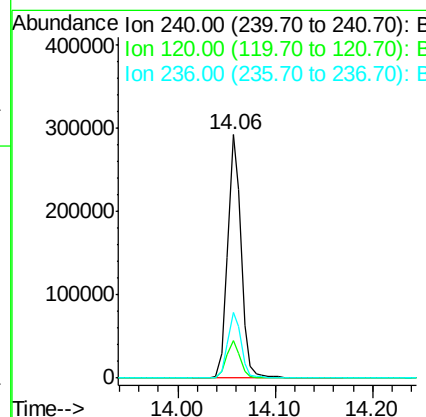
RT: 14.06 min Scan# 2035

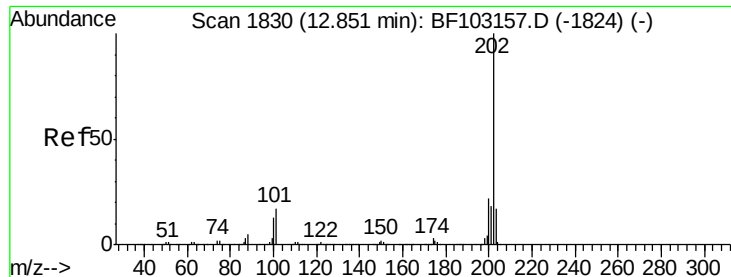
Delta R.T. -0.01 min

Lab File: BF103372.D

Acq: 2 Mar 2018 18:25

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	15.4	9.5	14.3#
236	27.1	20.7	31.1





#77

Pvrene

Concen: 7.192 ng

RT: 12.86 min Scan# 1831

Delta R.T. -0.01 min

Lab File: BF103372.D

Acq: 2 Mar 2018 18:25

Instrument :

BNA_F

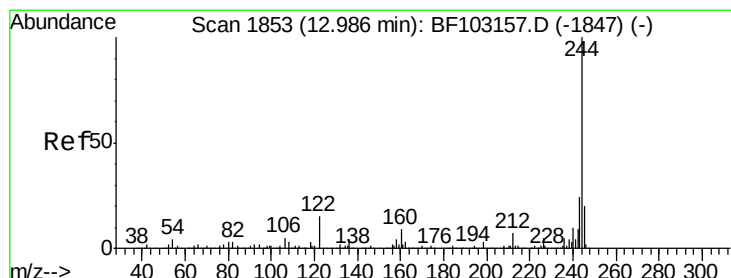
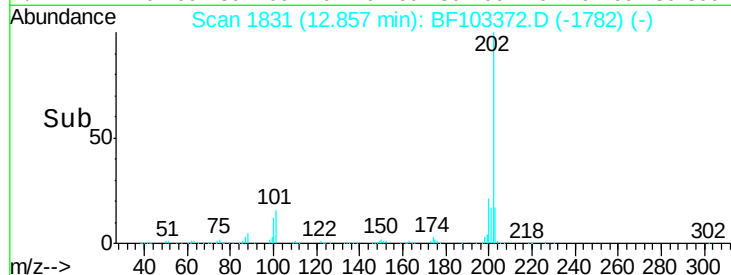
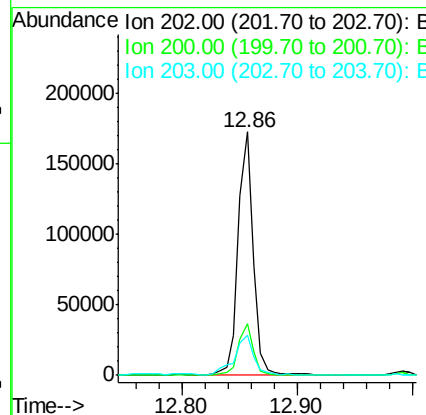
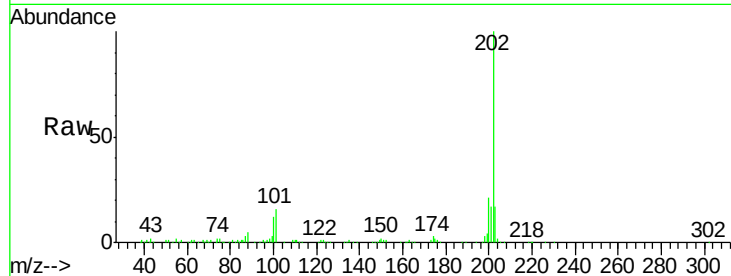
ClientSampleId :

ROLLOFF-20408

Tot Ion:	202	Resp:	157551
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.4	26.2
203	16.7	14.3	21.5

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#78

Terphenyl-d14

Concen: 73.640 ng

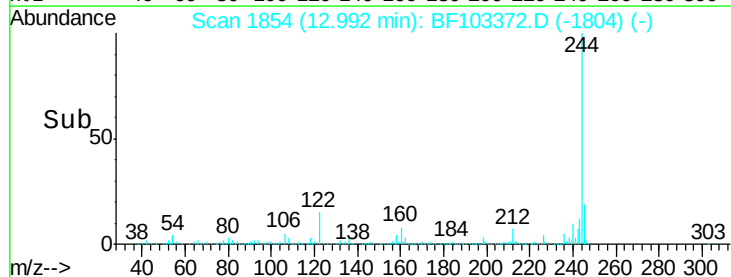
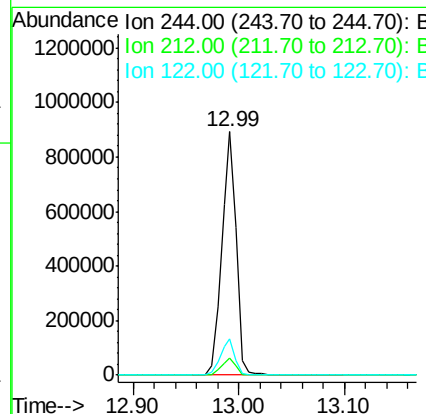
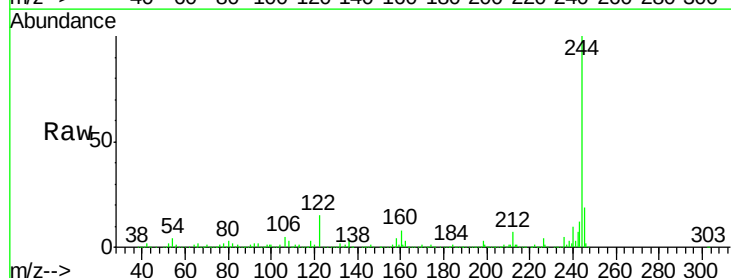
RT: 12.99 min Scan# 1854

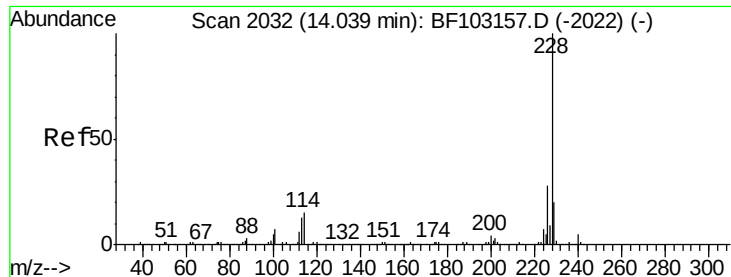
Delta R.T. -0.01 min

Lab File: BF103372.D

Acq: 2 Mar 2018 18:25

Tgt Ion:	244	Resp:	860774
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.4	8.0
122	14.7	11.0	16.4





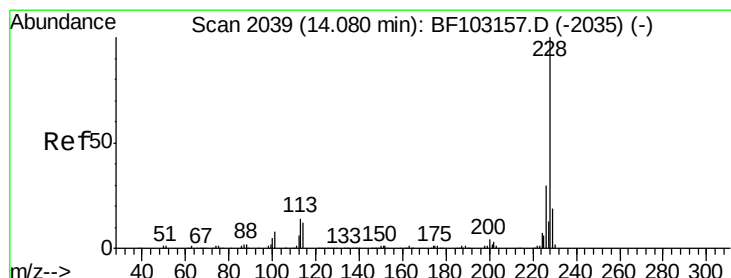
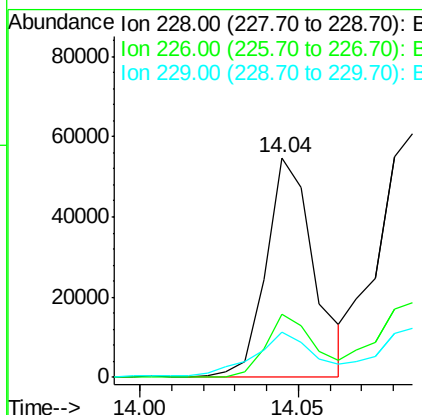
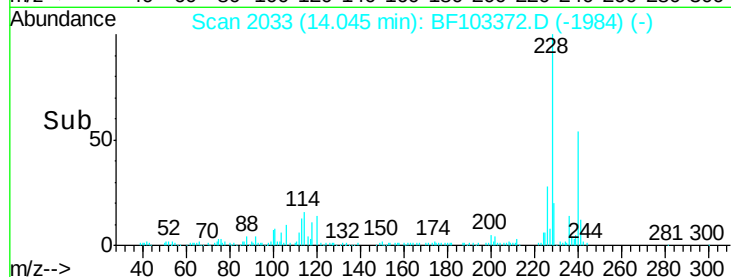
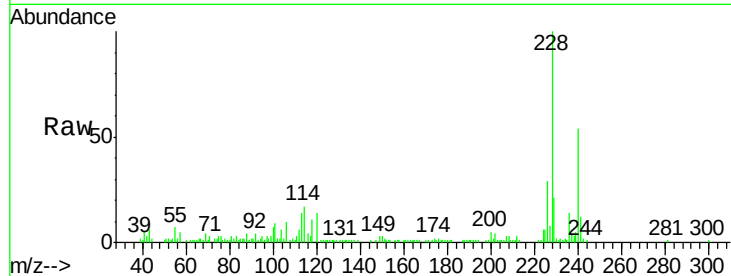
#80
Benzo(a)anthracene
Concen: 3.168 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF103372.D
Acq: 2 Mar 2018 18:25

Instrument :
BNA_F
ClientSampleId :
ROLLOFF-20408

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.6	33.8
229	20.8	15.8	23.6

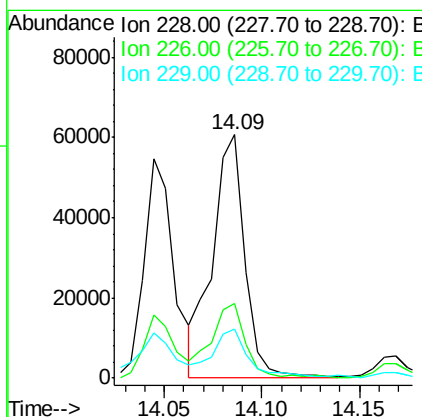
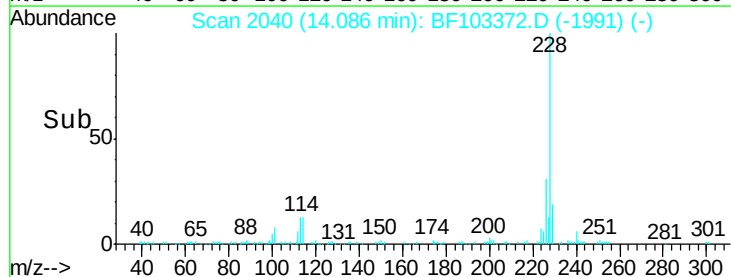
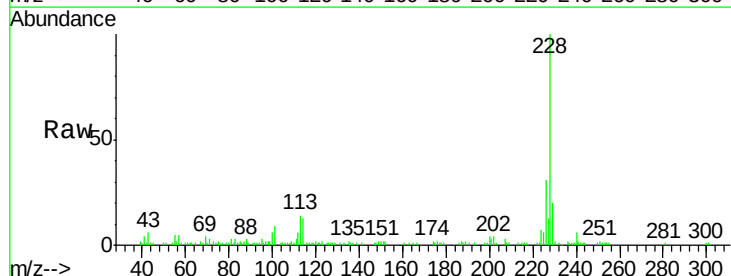
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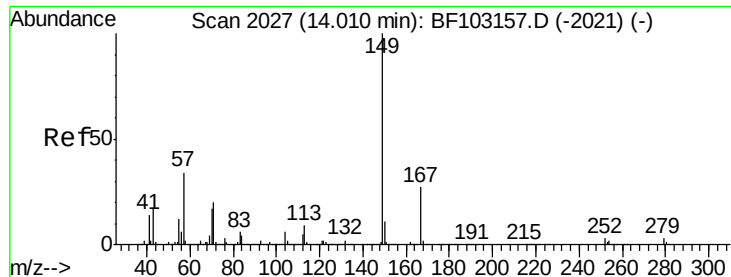
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#82
Chrysene
Concen: 3.953 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.01 min
Lab File: BF103372.D
Acq: 2 Mar 2018 18:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.0	37.6
229	20.0	16.2	24.4





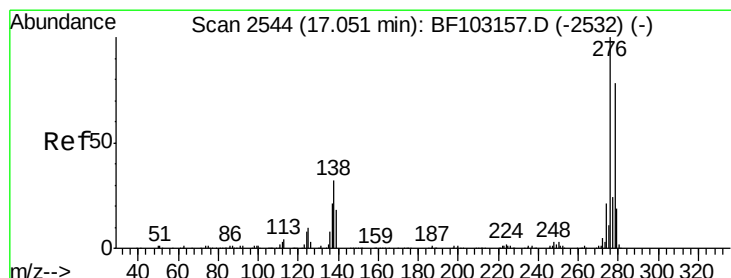
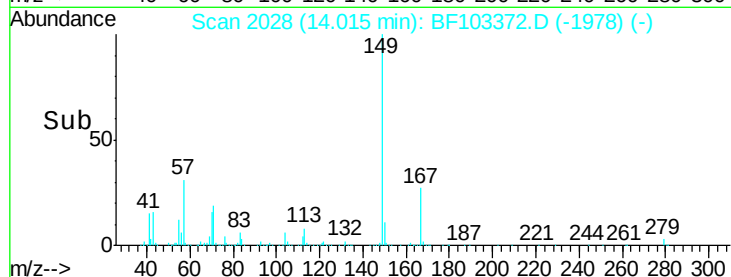
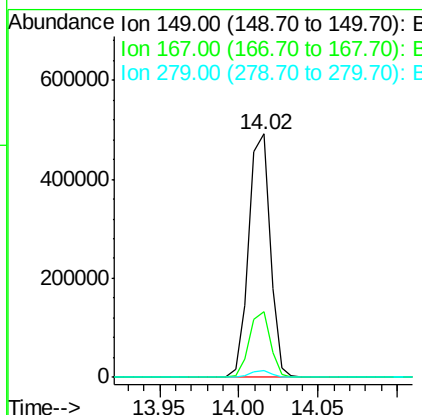
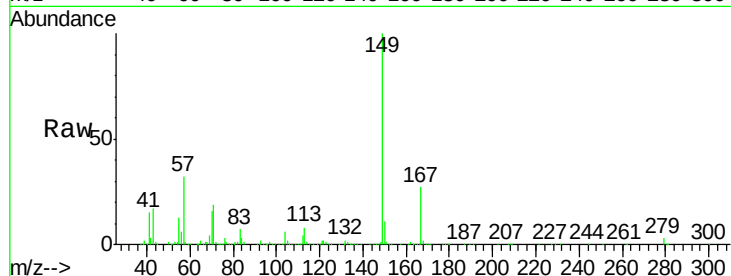
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 29.676 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.01 min
 Lab File: BF103372.D
 Acq: 2 Mar 2018 18:25

Instrument :
 BNA_F
 ClientSampleId :
 ROLLOFF-20408

Tot Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.3	31.9
279	2.9	3.0	4.4#

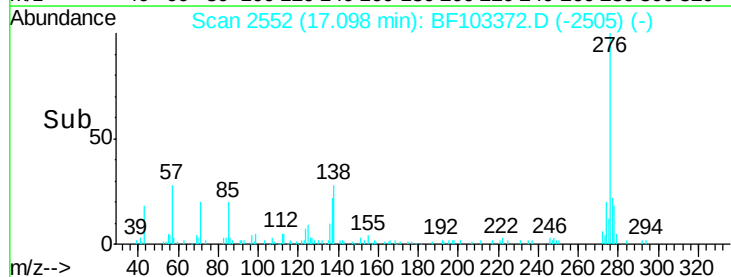
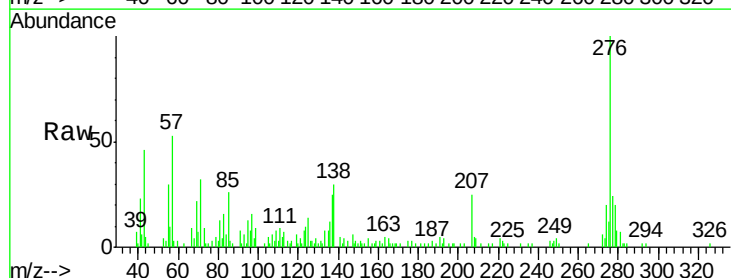
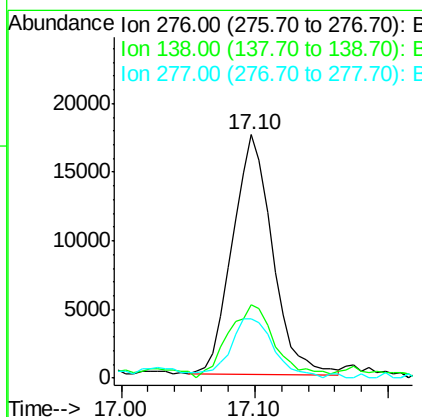
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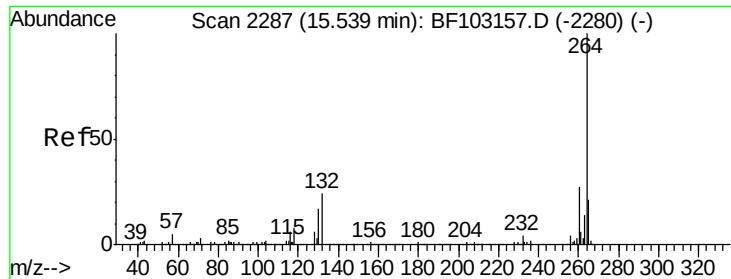
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.604 ng
 RT: 17.10 min Scan# 2552
 Delta R.T. -0.02 min
 Lab File: BF103372.D
 Acq: 2 Mar 2018 18:25

Tgt Ion	Ratio	Lower	Upper
276	100		
138	36.0	25.0	37.6
277	27.1	20.1	30.1





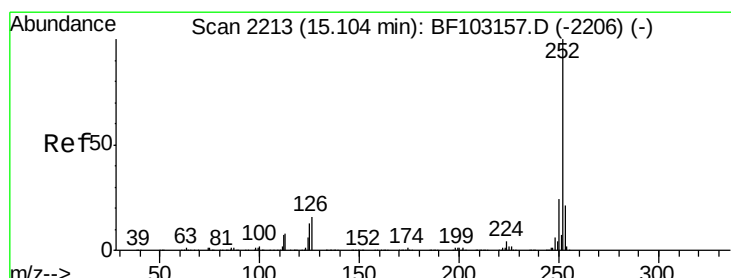
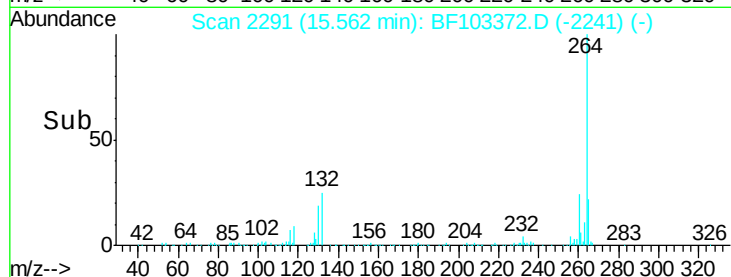
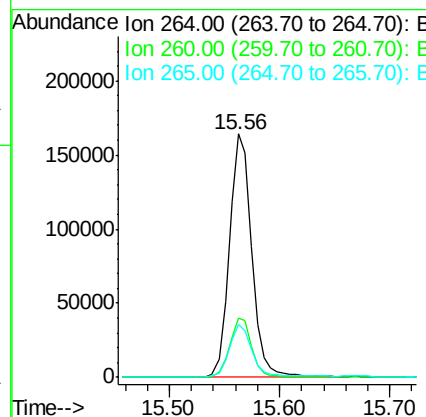
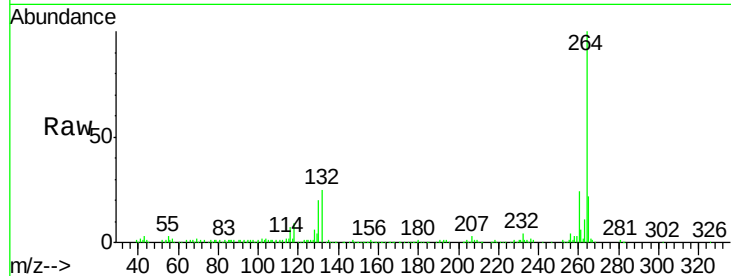
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2291
Delta R.T. -0.01 min
Lab File: BF103372.D
Acq: 2 Mar 2018 18:25

Instrument :
BNA_F
ClientSampleId :
ROLLOFF-20408

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.9	17.5	26.3

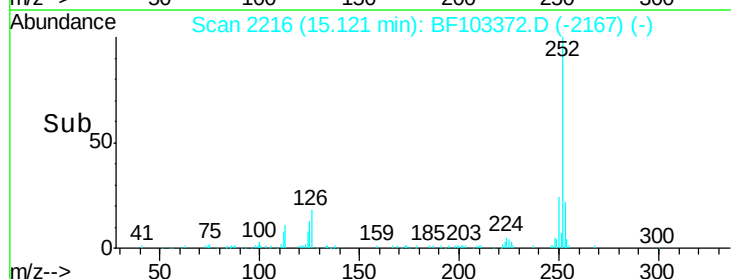
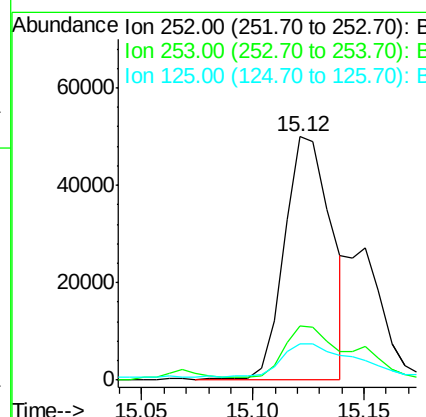
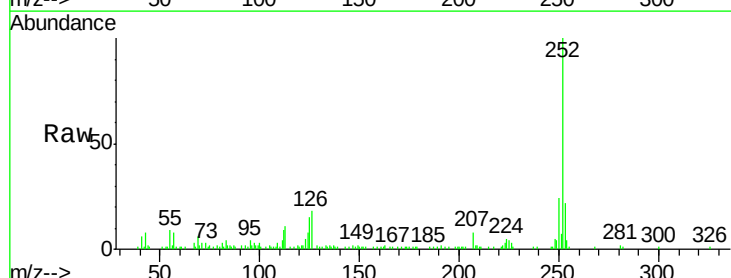
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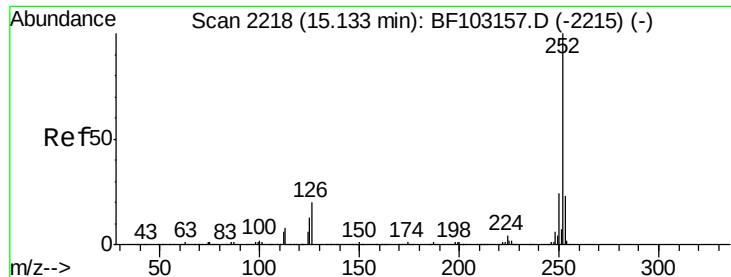
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#87
Benzo(b)fluoranthene
Concen: 4.795 ng m
RT: 15.12 min Scan# 2216
Delta R.T. -0.01 min
Lab File: BF103372.D
Acq: 2 Mar 2018 18:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.0	25.6
125	14.8	9.0	13.6#





#88

Benzo(k)fluoranthene

Concen: 2.040 ng/mL

RT: 15.15 min Scan# 2221

Delta R.T. -0.01 min

Lab File: BF103372.D

Acq: 2 Mar 2018 18:25

Instrument :

BNA_F

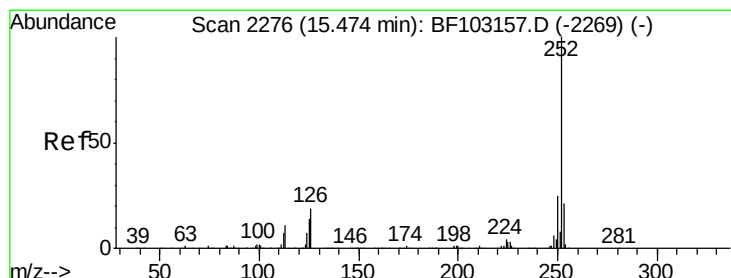
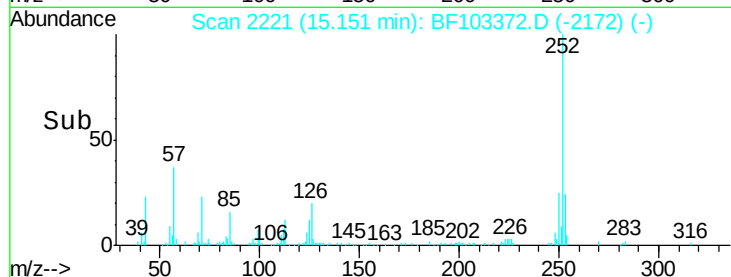
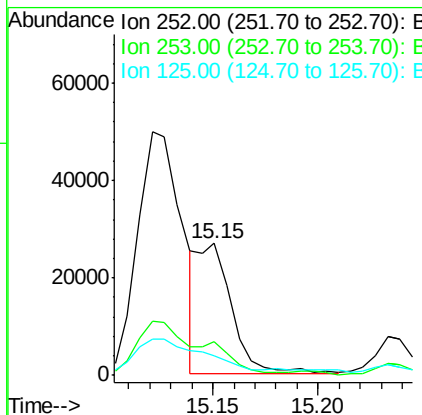
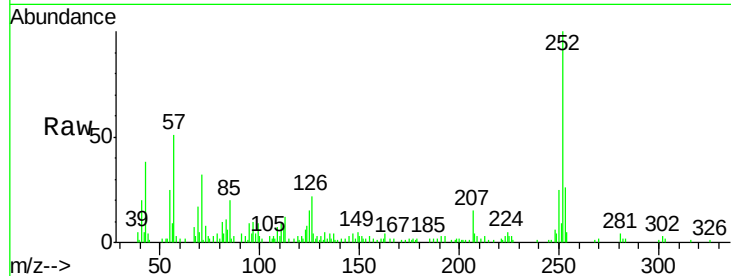
ClientSampleId :

ROLLOFF-20408

Tot Ion:	252	Resp:	29502
Ion Ratio	Lower	Upper	
252	100		
253	25.5	17.9	26.9
125	15.0	10.2	15.2

Manual Integrations
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#89

Benzo(a)pyrene

Concen: 3.536 ng/mL

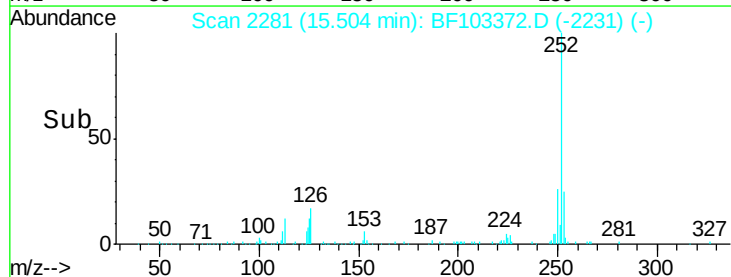
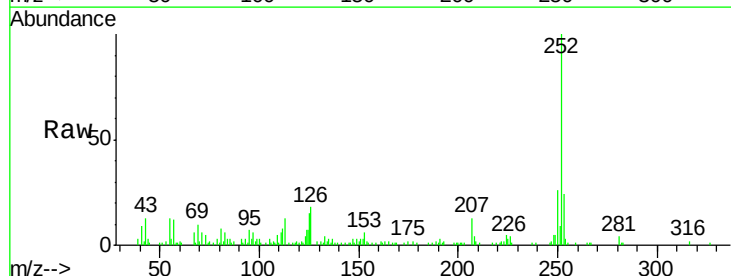
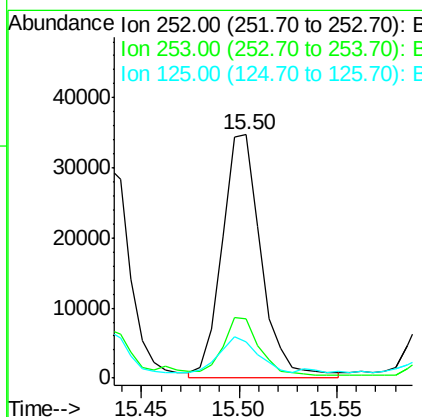
RT: 15.50 min Scan# 2281

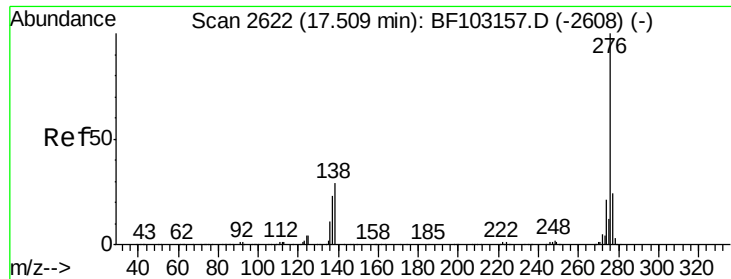
Delta R.T. -0.01 min

Lab File: BF103372.D

Acq: 2 Mar 2018 18:25

Tgt Ion:	252	Resp:	48498
Ion Ratio	Lower	Upper	
252	100		
253	24.4	17.1	25.7
125	14.7	9.8	14.6#





#91

Benzo(a,h,i)perylene

Concen: 3.711 ng

RT: 17.57 min Scan# 2632

Delta R.T. -0.01 min

Lab File: BF103372.D

Acq: 2 Mar 2018 18:25

Instrument :

BNA_F

ClientSampleId :

ROLLOFF-20408

Tot Ion:	276	Resp:	38437
Ion Ratio		Lower	Upper
276	100		
277	27.6	17.9	26.9#
138	32.1	21.8	32.8

Manual Integrations
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