

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
 Data File : BF101333.D
 Acq On : 12 Dec 2017 16:49
 Operator : SJ/JU
 Sample : I6868-01 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR-251683-RBR-400031-2428

Manual Integrations
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Sohil
 12/13/2017 12:07:35 PM

Quant Time: Dec 13 02:32:05 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 08 18:17:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	46643	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	179323	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	77182	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	130350	20.00	ng	0.00
75) Chrysene-d12	14.00	240	102488	20.00	ng	0.00
86) Perylene-d12	15.48	264	85352	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	55012	19.49	ng	0.00
7) Phenol-d6	6.46	99	66081	19.28	ng	0.00
23) Nitrobenzene-d5	7.39	82	39027	12.98	ng	-0.01
41) 2,4,6-Tribromophenol	10.66	330	14497	15.64	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	89122	15.80	ng	-0.01
78) Terphenyl-d14	12.93	244	69963	14.93	ng	0.00
Target Compounds						
70) Phenanthrene	11.37	178	44743	6.233	ng	98
74) Fluoranthene	12.57	202	65967	8.290	ng	93
77) Pyrene	12.80	202	61152	8.647	ng	98
80) Benzo(a)anthracene	13.99	228	30012	4.638	ng	96
82) Chrysene	14.03	228	28399	4.726	ng	95
85) Indeno(1,2,3-cd)pyrene	16.97	276	12402	2.321	ng	# 90
87) Benzo(b)fluoranthene	15.05	252	32184m	6.295	ng	
89) Benzo(a)pyrene	15.42	252	21660	4.660	ng	# 92
91) Benzo(g,h,i)perylene	17.42	276	12297	3.185	ng	# 85

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

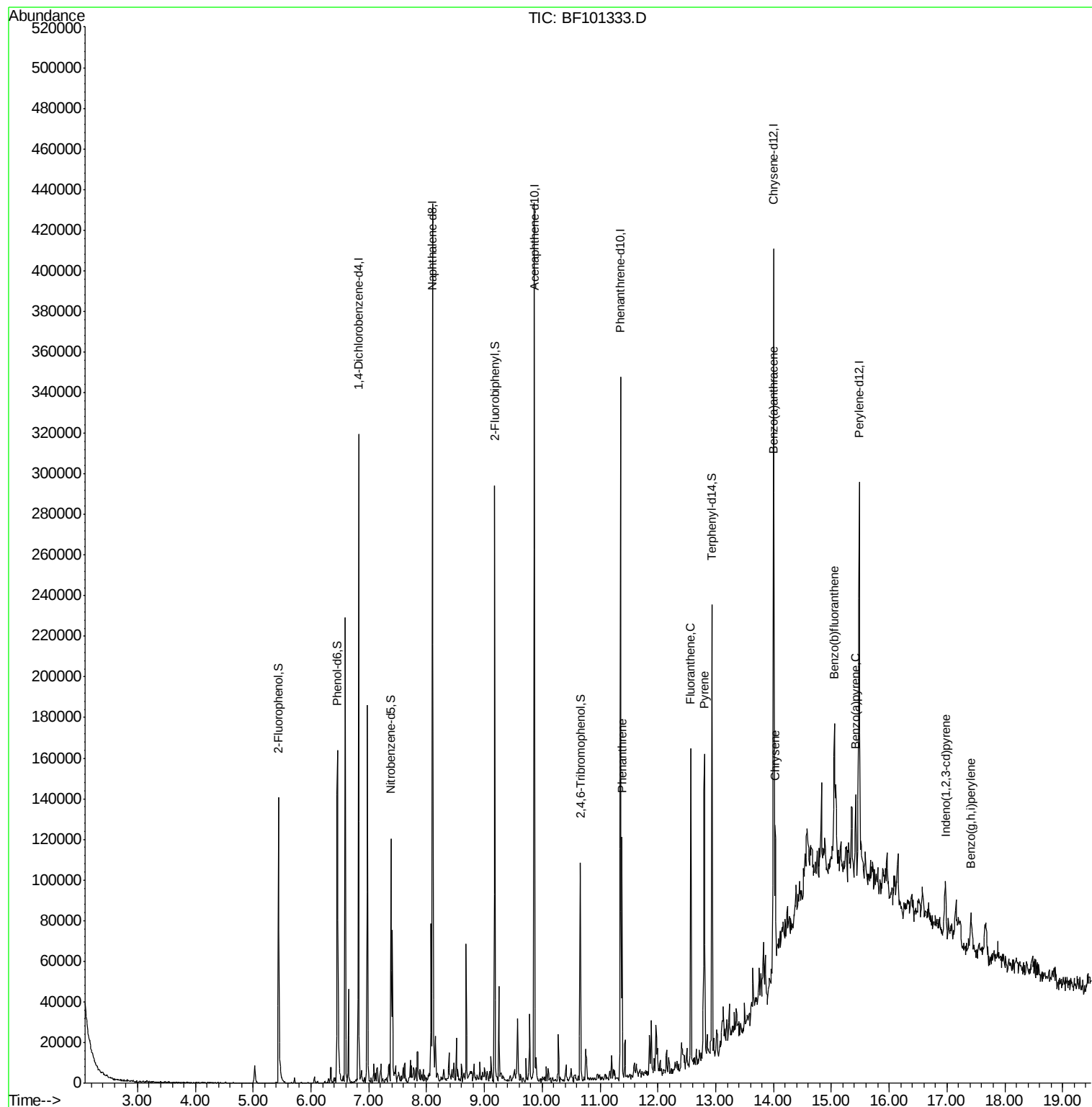
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
Data File : BF101333.D
Acq On : 12 Dec 2017 16:49
Operator : SJ/JU
Sample : I6868-01 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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#1

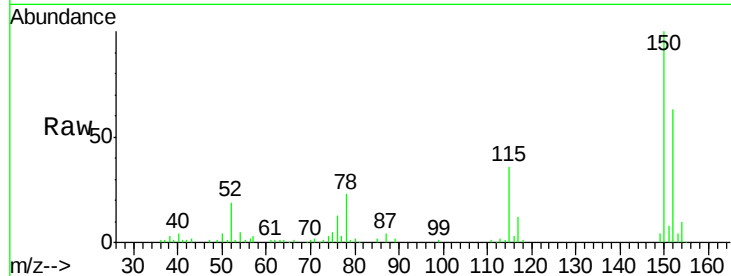
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF101333.D
Acq: 12 Dec 2017 16:49

Instrument :
BNA_F
ClientSampleId :
RBR-251683-RBR-400031-2428

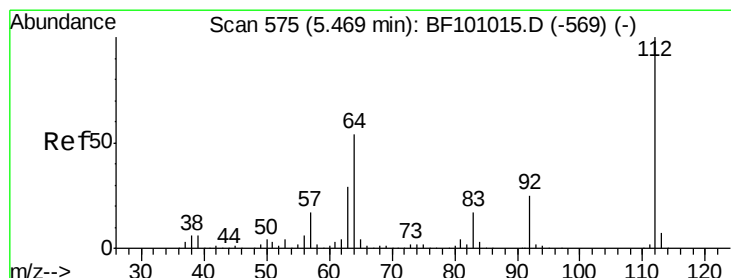
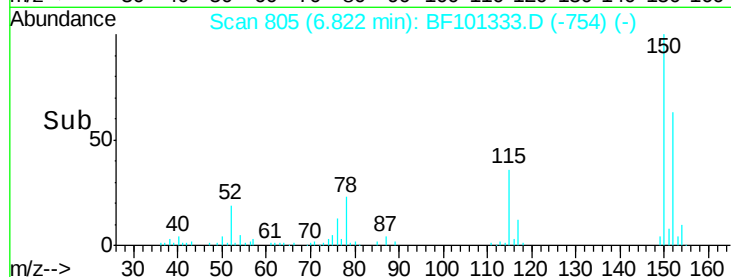
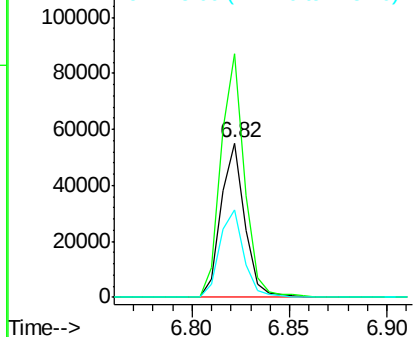
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	124.6	186.8
115	56.7	50.1	75.1

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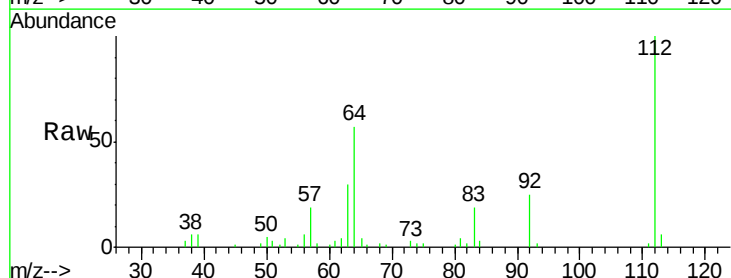
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



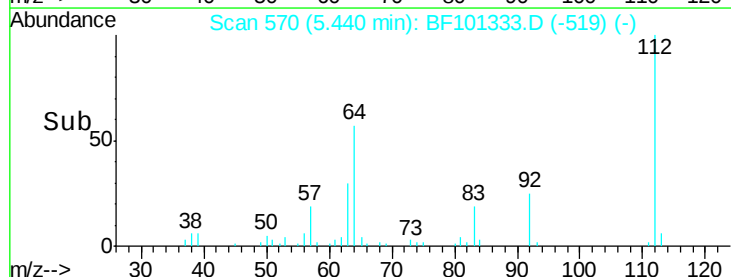
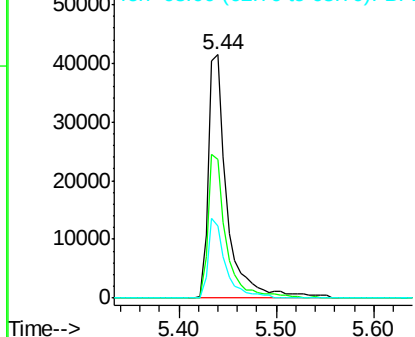
#5

2-Fluorophenol
Concen: 19.489 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.00 min
Lab File: BF101333.D
Acq: 12 Dec 2017 16:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.2	47.9	71.9
63	29.7	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 19.283 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF101333.D

Acq: 12 Dec 2017 16:49

Instrument :

BNA_F

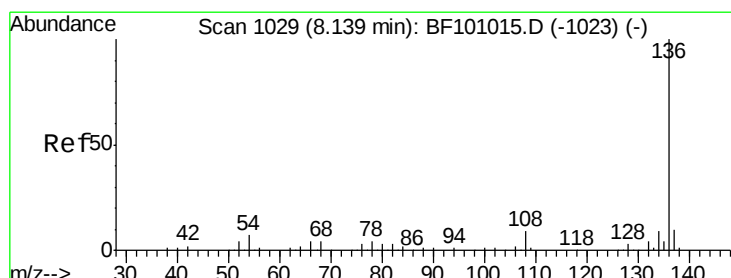
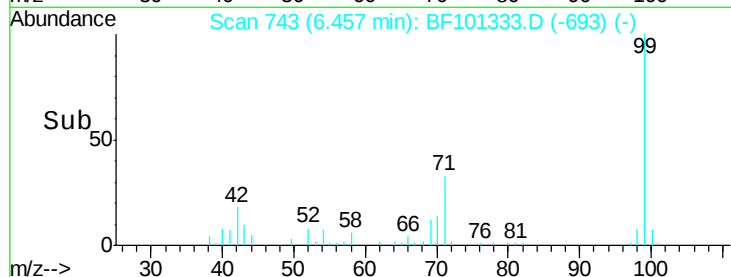
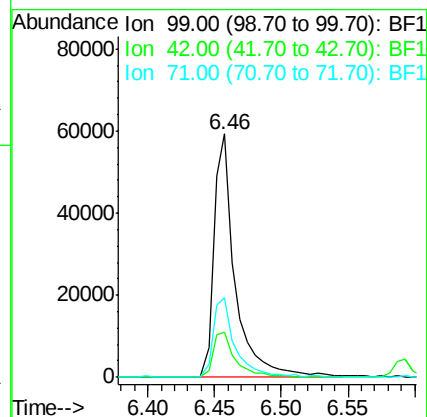
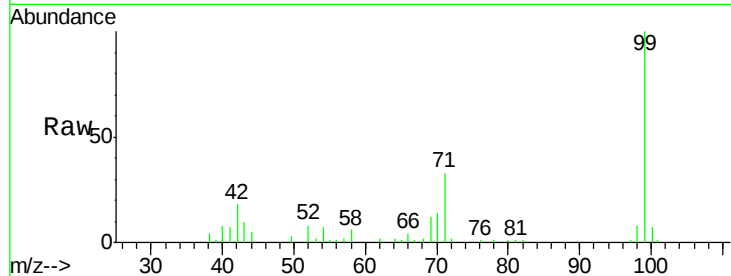
ClientSampleId :

RBR-251683-RBR-400031-2428

Tot Ion:	99	Resp:	66081
Ion Ratio	Lower	Upper	
99	100		
42	18.4	14.5	21.7
71	32.6	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

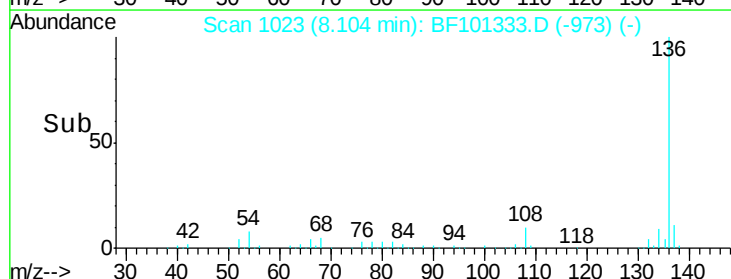
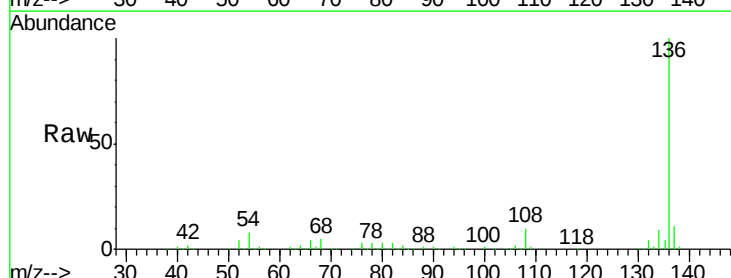
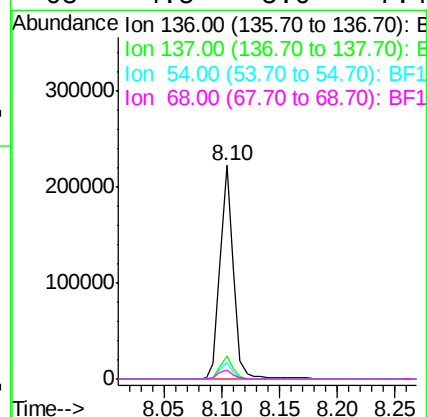
RT: 8.10 min Scan# 1023

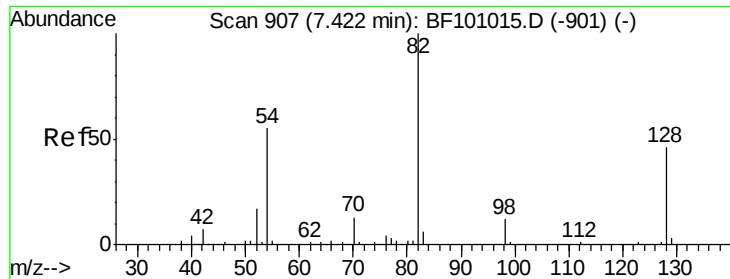
Delta R.T. -0.01 min

Lab File: BF101333.D

Acq: 12 Dec 2017 16:49

Tgt Ion:	136	Resp:	179323
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.9	13.3
54	7.6	6.6	9.8
68	4.5	5.0	7.4#





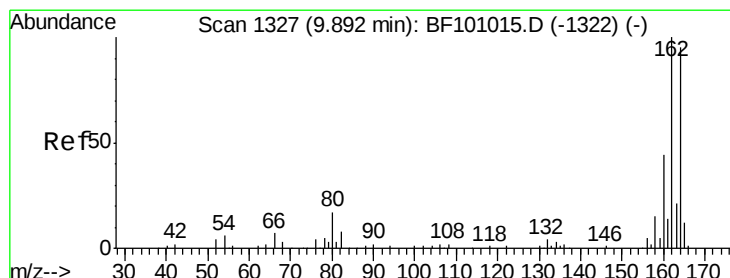
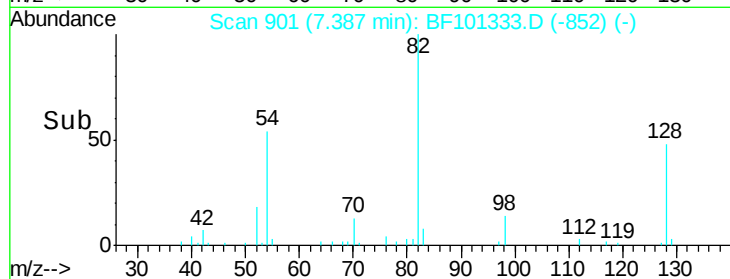
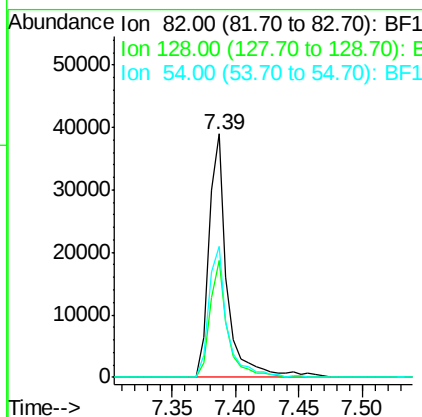
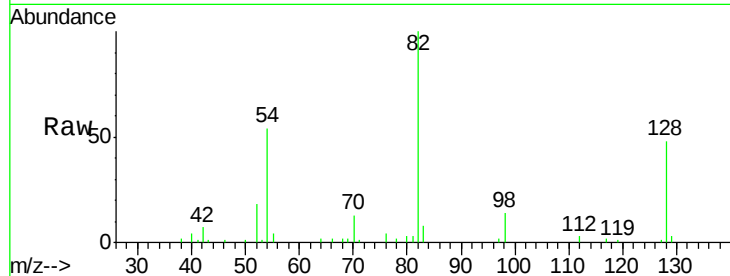
#23
Nitrobenzene-d5
Concen: 12.983 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.01 min
Lab File: BF101333.D
Acq: 12 Dec 2017 16:49

Instrument :
BNA_F
ClientSampleId :
RBR-251683-RBR-400031-2428

Tot Ion	82	Resp	39027
Ion Ratio	100	Lower	Upper
82	100		
128	48.0	36.1	54.1
54	53.9	41.4	62.2

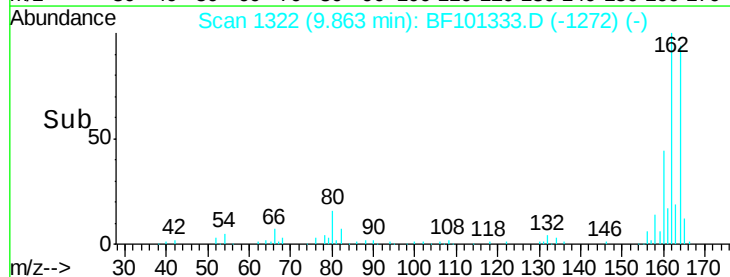
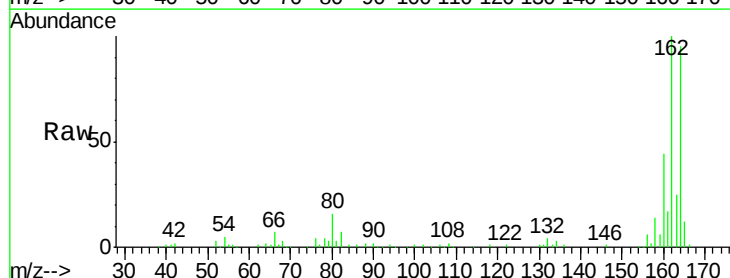
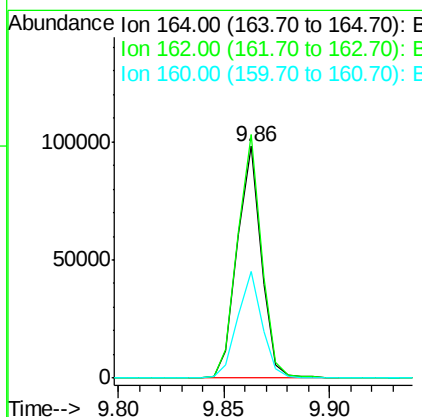
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF101333.D
Acq: 12 Dec 2017 16:49

Tgt Ion	164	Resp	77182
Ion Ratio	100	Lower	Upper
164	100		
162	105.1	86.1	129.1
160	46.3	38.3	57.5





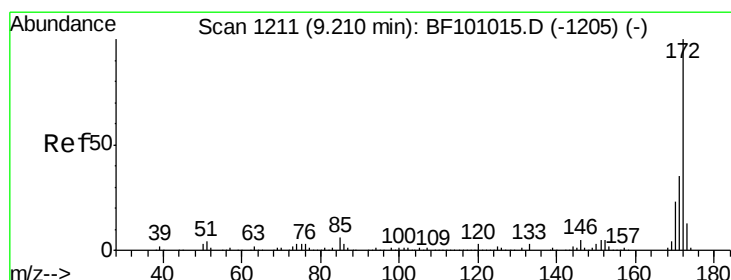
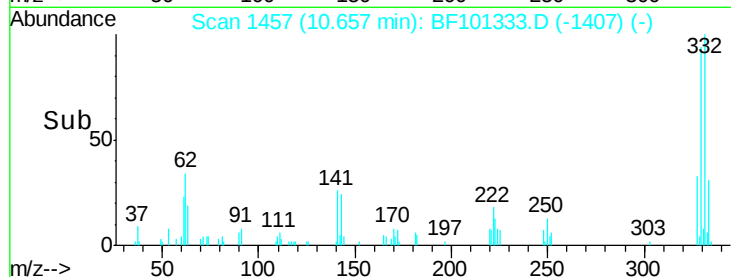
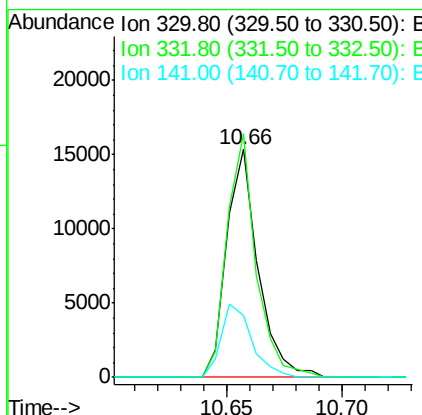
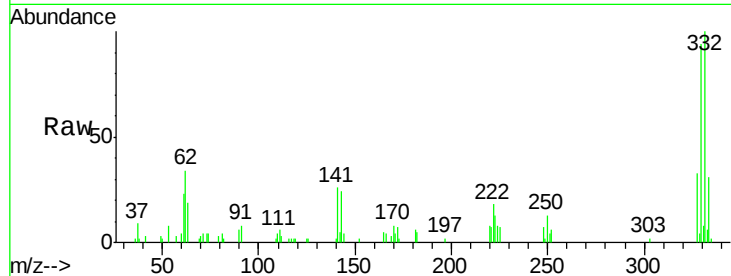
#41
 2,4,6-Tribromophenol
 Concen: 15.636 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: BF101333.D
 Acq: 12 Dec 2017 16:49

Instrument :
 BNA_F
 ClientSampleId :
 RBR-251683-RBR-400031-2428

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	99.2	77.0	115.6	
141	31.7	29.9	44.9	

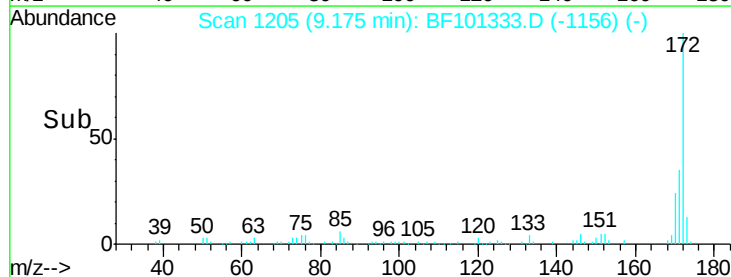
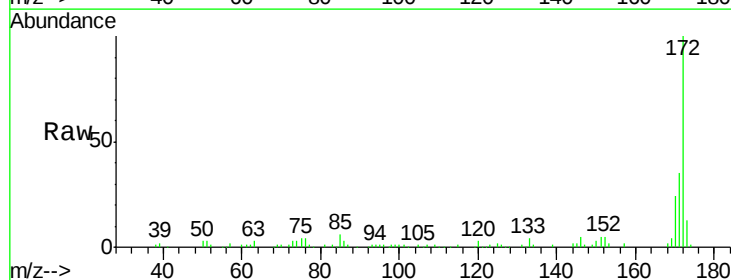
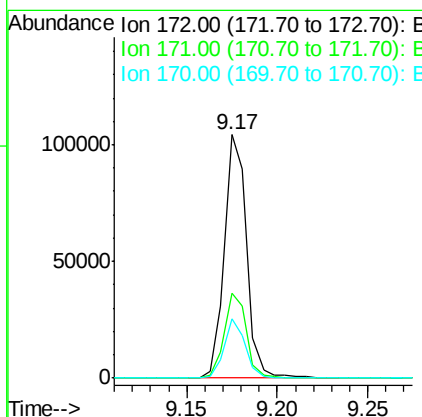
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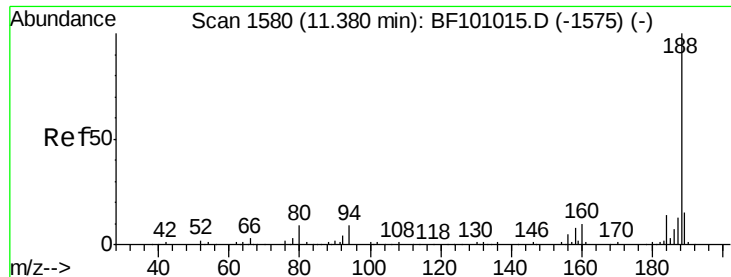
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#44
 2-Fluorobiphenyl
 Concen: 15.799 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: BF101333.D
 Acq: 12 Dec 2017 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.0	29.7	44.5	
170	24.1	19.6	29.4	





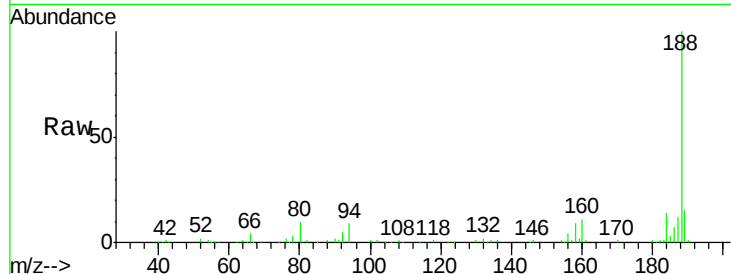
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF101333.D
Acq: 12 Dec 2017 16:49

Instrument :
BNA_F
ClientSampleId :
RBR-251683-RBR-400031-2428

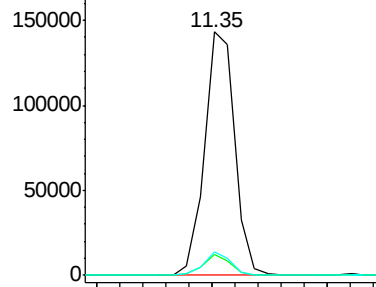
Tot Ion	Ratio	Resp	Lower	Upper
188	100	130350		
94	8.8	8.5	12.7	
80	9.7	9.2	13.8	

Manual Integrations
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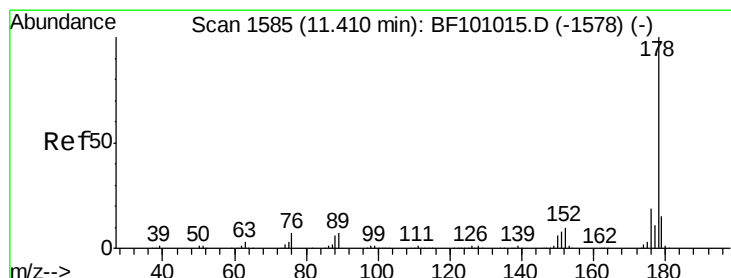
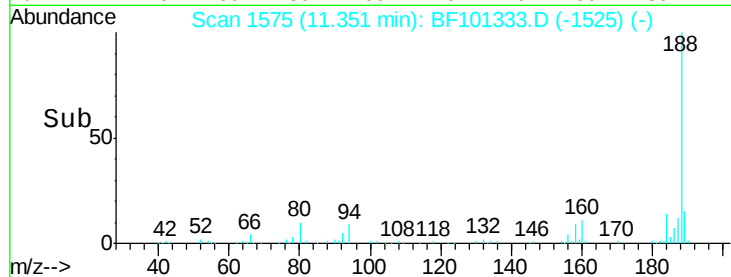
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Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

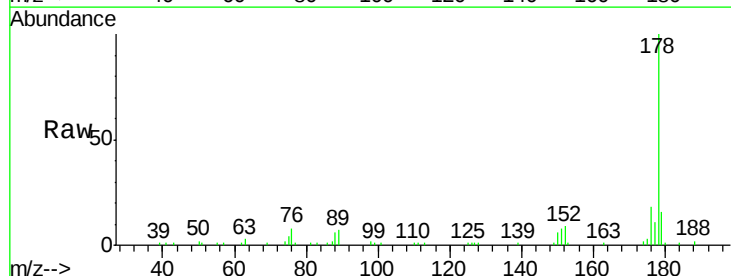


Time--> 11.30 11.35 11.40

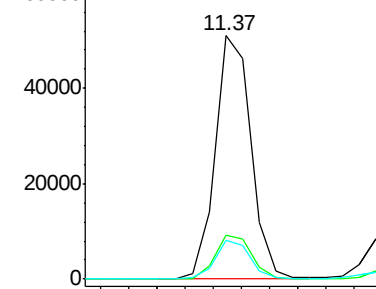


#70
Phenanthrene
Concen: 6.233 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF101333.D
Acq: 12 Dec 2017 16:49

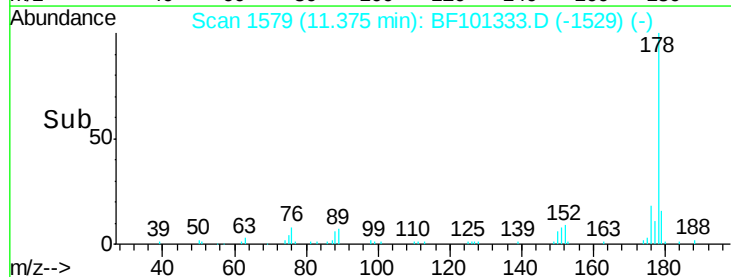
Tgt Ion	Ratio	Resp	Lower	Upper
178	100	44743		
176	18.2	15.8	23.8	
179	15.9	13.0	19.6	

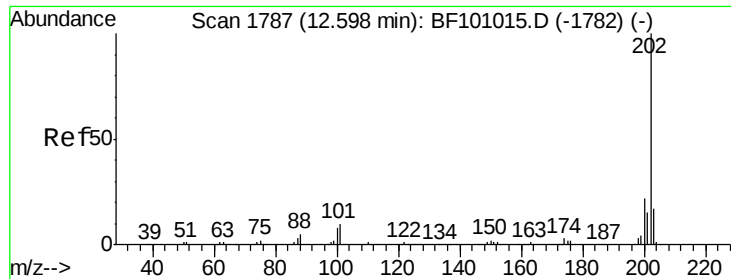


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



Time--> 11.35 11.40





#74

Fluoranthene

Concen: 8.290 ng

RT: 12.57 min Scan# 1783

Delta R.T. 0.01 min

Lab File: BF101333.D

Acq: 12 Dec 2017 16:49

Instrument :

BNA_F

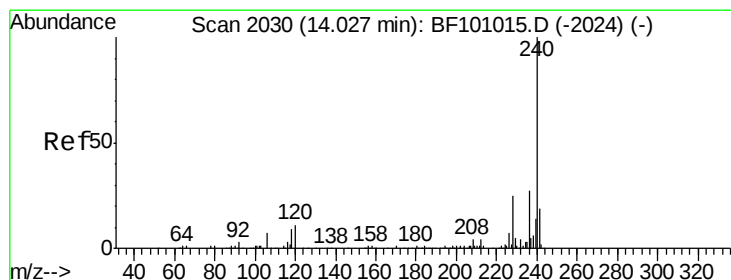
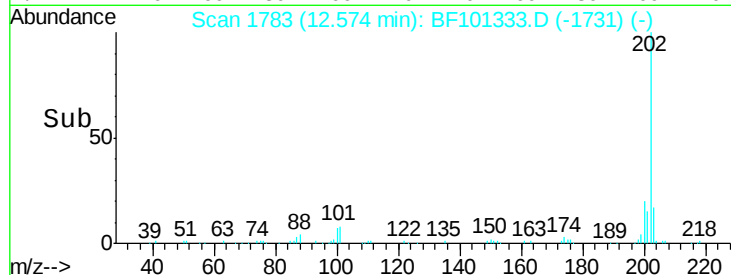
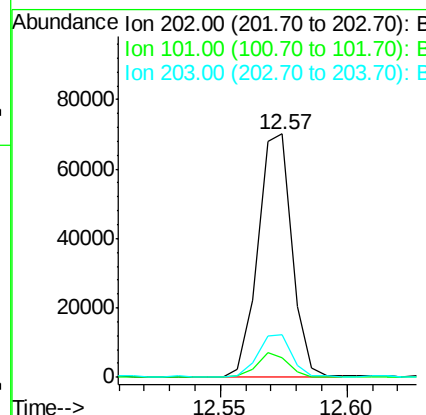
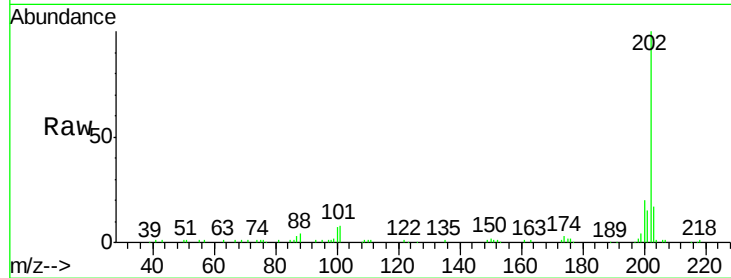
ClientSampleId :

RBR-251683-RBR-400031-2428

Tot Ion:	202	Resp:	65967
Ion Ratio	Lower	Upper	
202	100		
101	8.1	0.0	34.1
203	17.4	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

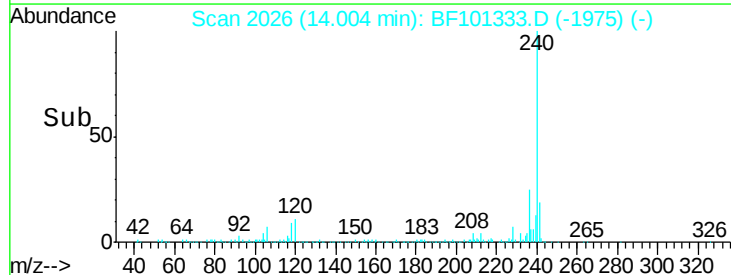
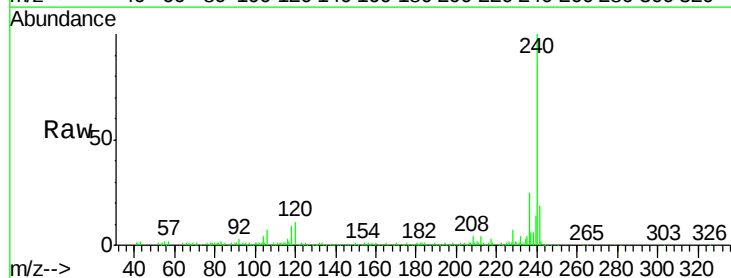
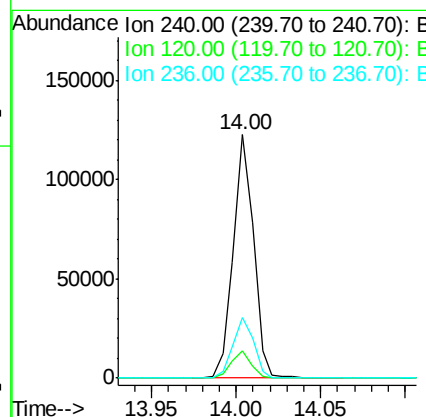
RT: 14.00 min Scan# 2026

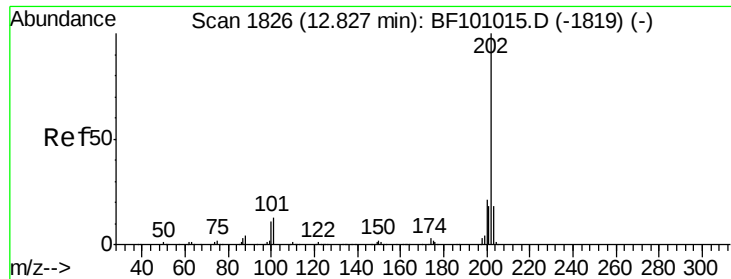
Delta R.T. 0.00 min

Lab File: BF101333.D

Acq: 12 Dec 2017 16:49

Tgt Ion:	240	Resp:	102488
Ion Ratio	Lower	Upper	
240	100		
120	11.2	9.5	14.3
236	25.1	20.7	31.1





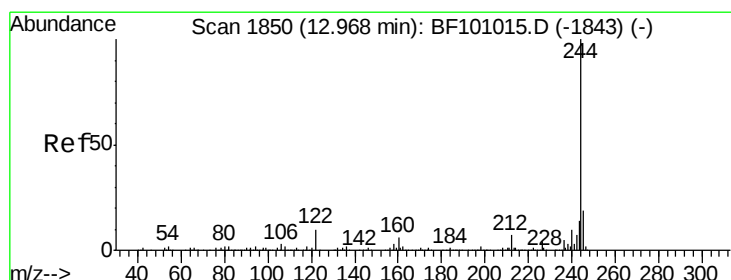
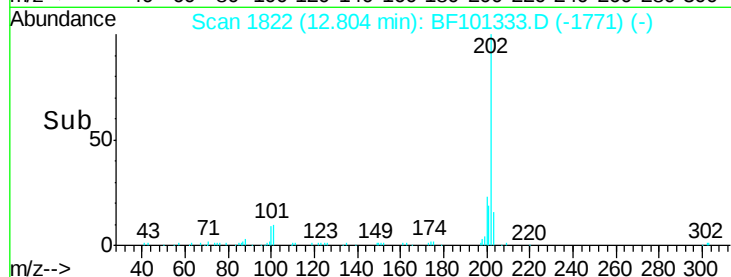
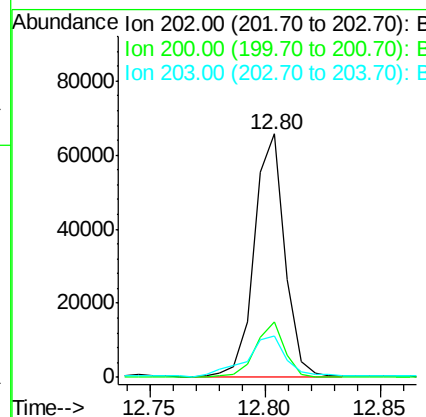
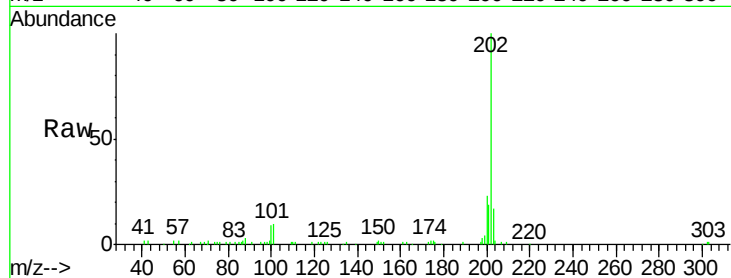
#77
Pvrene
Concen: 8.647 ng
RT: 12.80 min Scan# 1822
Delta R.T. 0.00 min
Lab File: BF101333.D
Acq: 12 Dec 2017 16:49

Instrument :
BNA_F
ClientSampleId :
RBR-251683-RBR-400031-2428

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.8	17.4	26.2
203	16.9	14.3	21.5

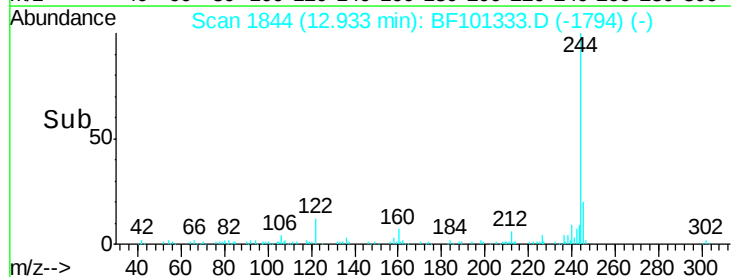
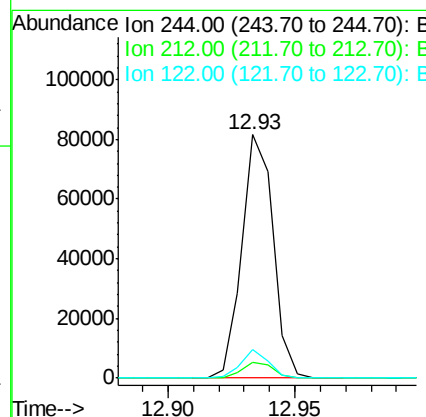
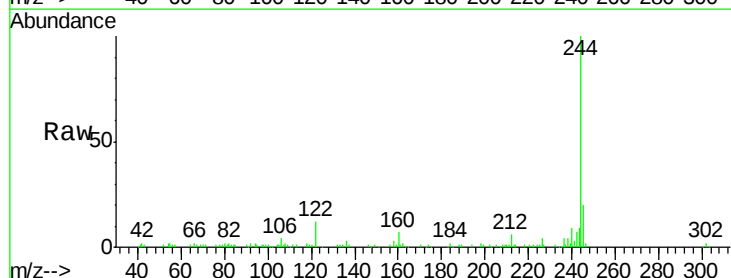
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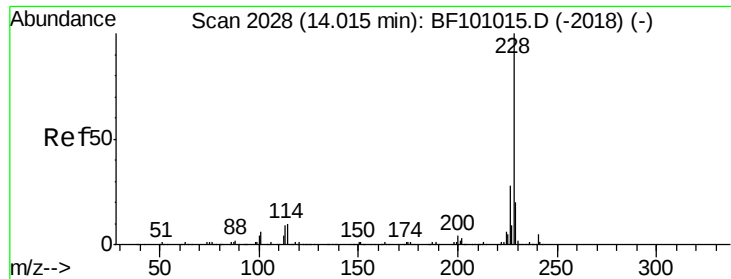
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#78
Terphenyl-d14
Concen: 14.931 ng
RT: 12.93 min Scan# 1844
Delta R.T. -0.01 min
Lab File: BF101333.D
Acq: 12 Dec 2017 16:49

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.4	8.0
122	11.5	11.0	16.4





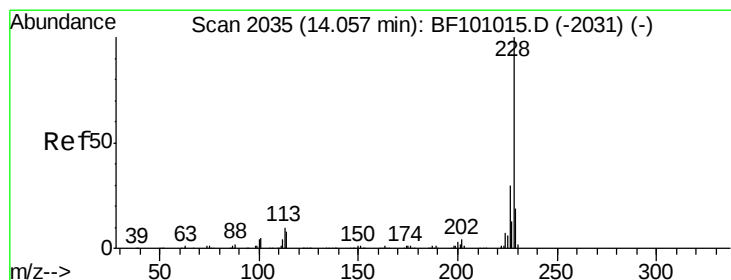
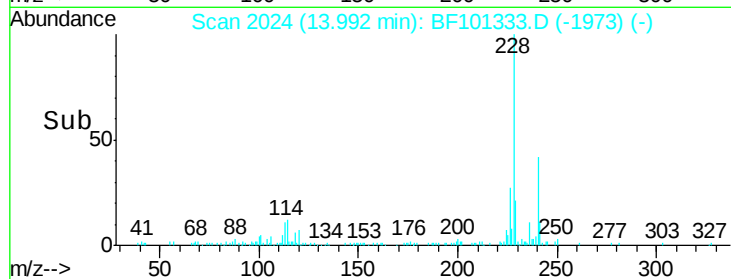
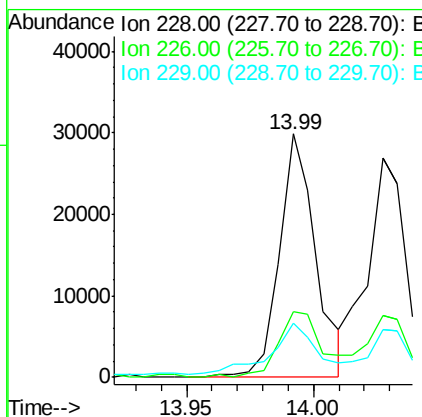
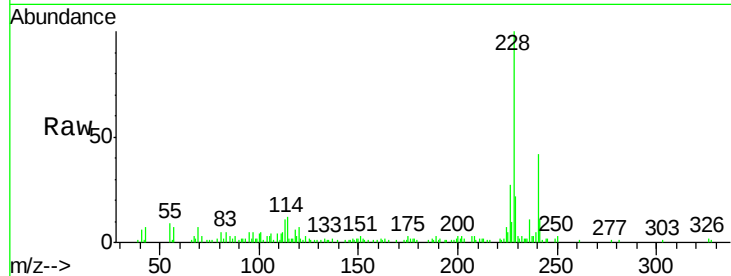
#80
Benzo(a)anthracene
Concen: 4.638 ng
RT: 13.99 min Scan# 2024
Delta R.T. 0.00 min
Lab File: BF101333.D
Acq: 12 Dec 2017 16:49

Instrument :
BNA_F
ClientSampleId :
RBR-251683-RBR-400031-2428

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.6	33.8
229	22.3	15.8	23.6

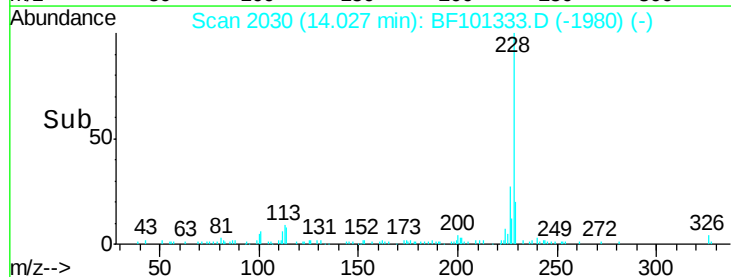
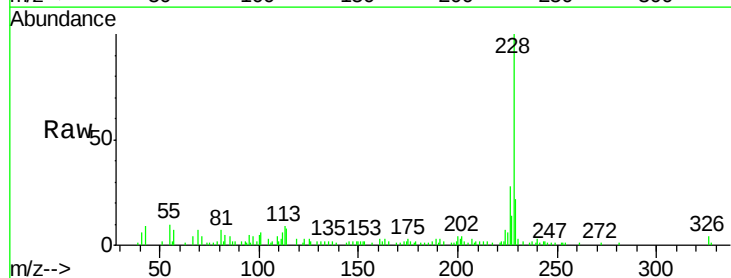
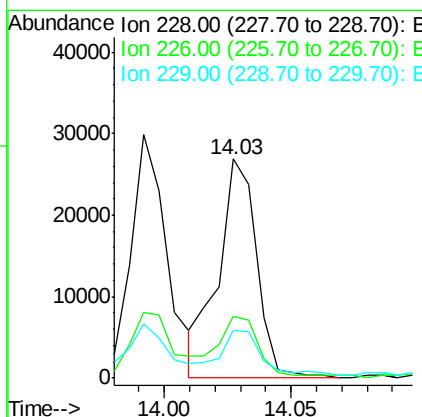
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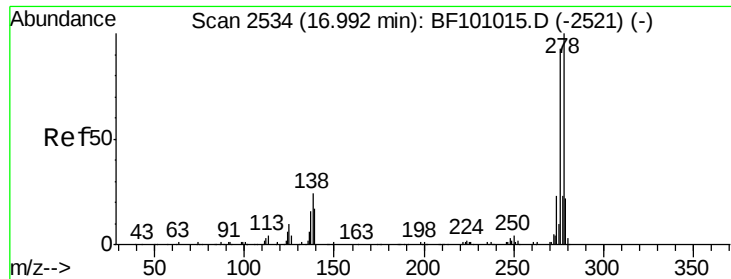
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#82
Chrysene
Concen: 4.726 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF101333.D
Acq: 12 Dec 2017 16:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	25.0	37.6
229	21.9	16.2	24.4





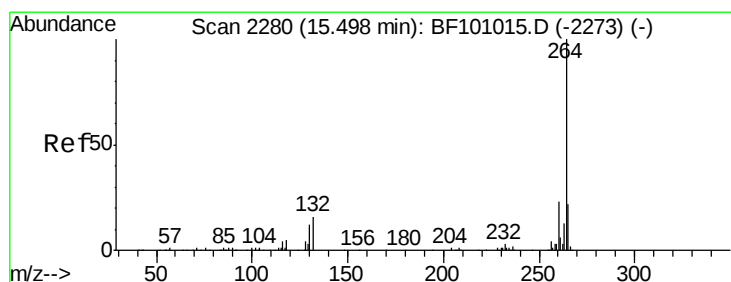
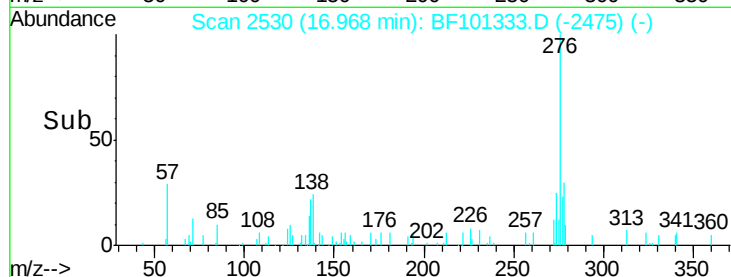
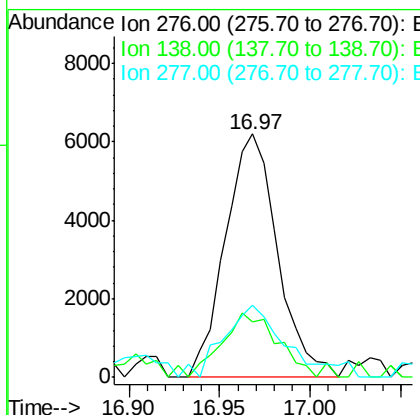
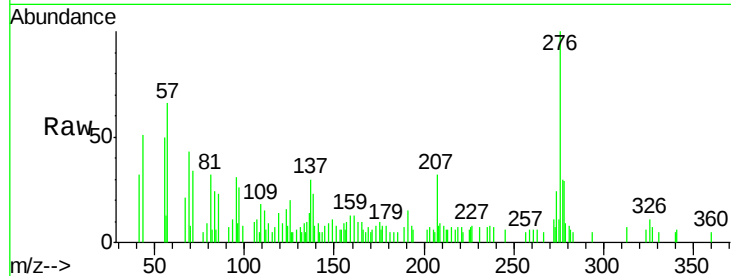
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.321 ng
 RT: 16.97 min Scan# 2530
 Delta R.T. 0.02 min
 Lab File: BF101333.D
 Acq: 12 Dec 2017 16:49

Instrument :
 BNA_F
 ClientSampleId :
 RBR-251683-RBR-400031-2428

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.2	25.0	37.6
277	32.8	20.1	30.1

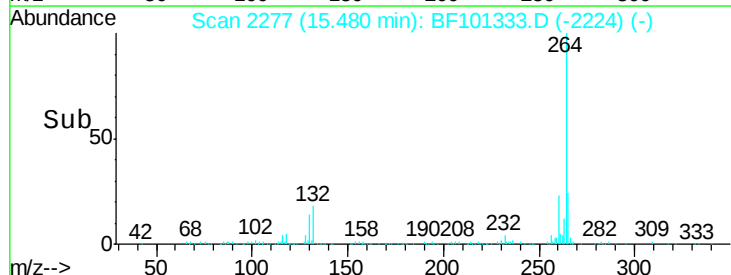
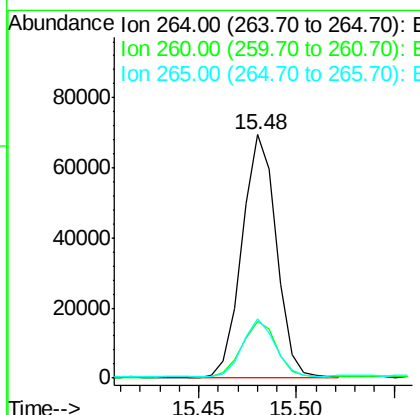
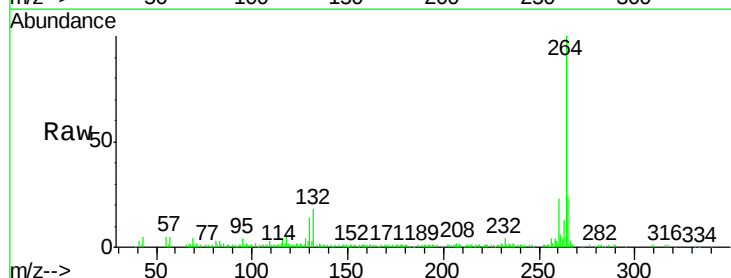
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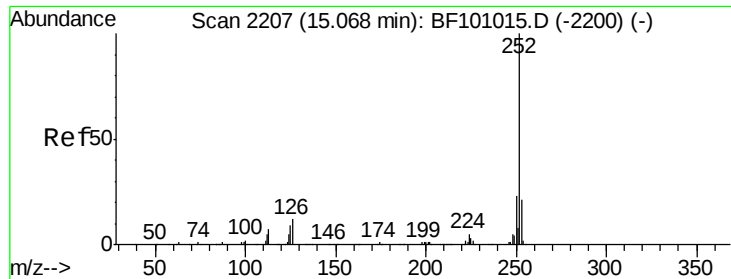
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.48 min Scan# 2277
 Delta R.T. 0.01 min
 Lab File: BF101333.D
 Acq: 12 Dec 2017 16:49

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	24.3	17.5	26.3





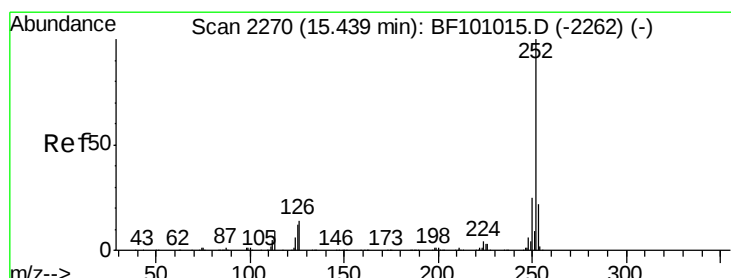
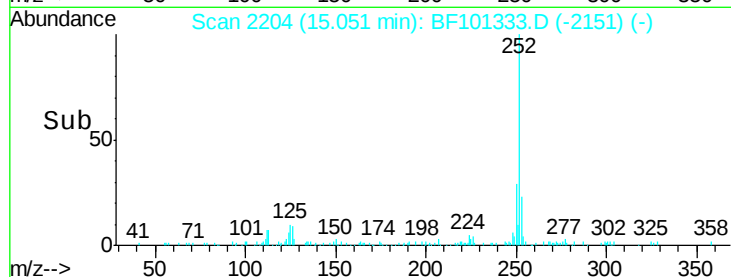
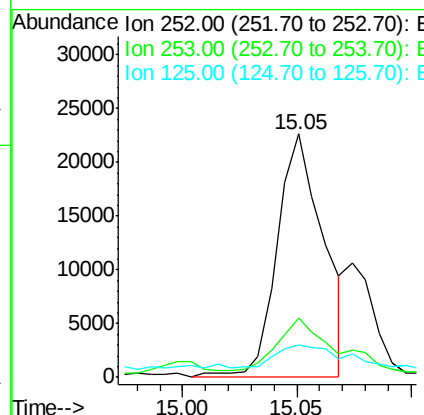
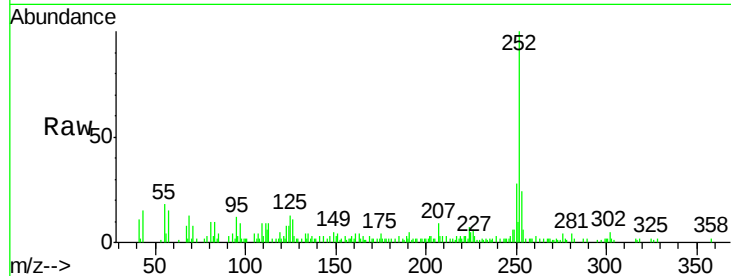
#87
Benzo(b)fluoranthene
Concen: 6.295 ng/mL
RT: 15.05 min Scan# 2204
Delta R.T. 0.01 min
Lab File: BF101333.D
Acq: 12 Dec 2017 16:49

Instrument :
BNA_F
ClientSampleId :
RBR-251683-RBR-400031-2428

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.0	25.6
125	13.3	9.0	13.6

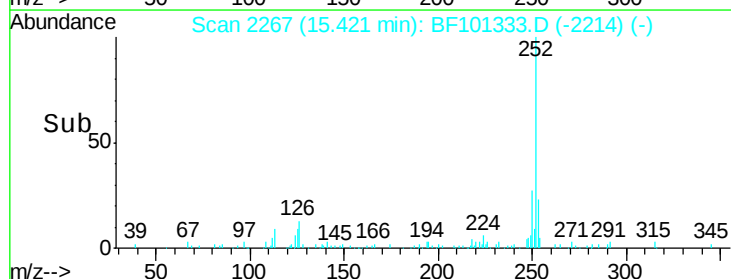
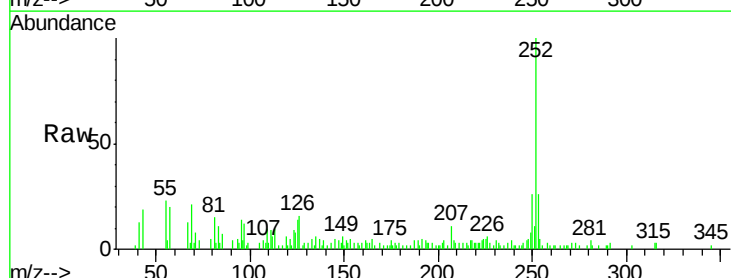
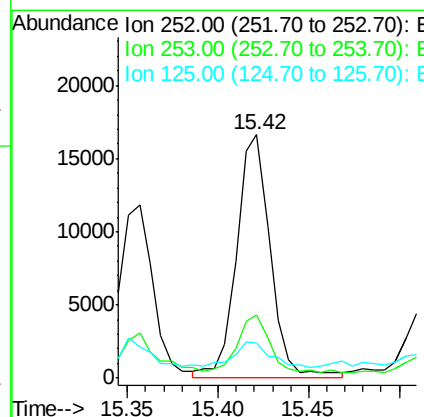
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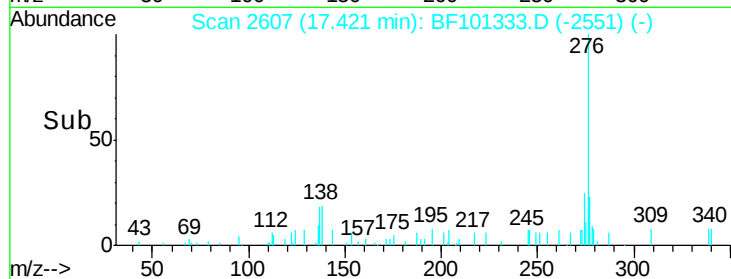
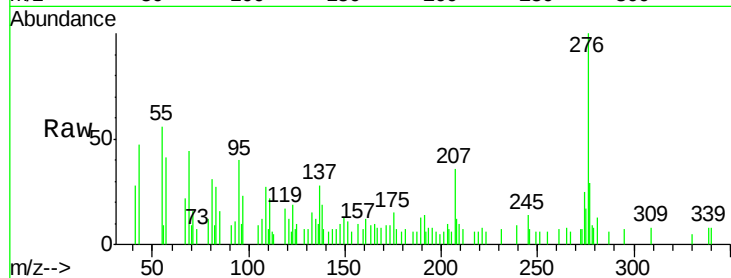
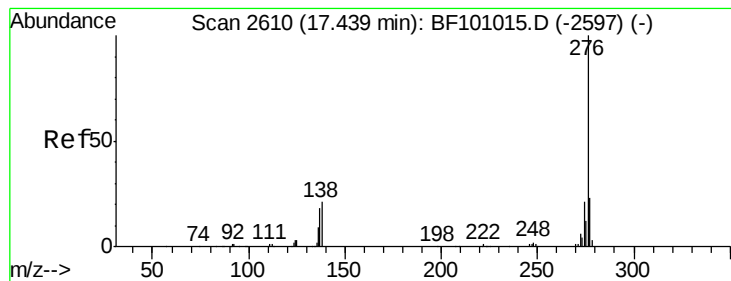
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#89
Benzo(a)pyrene
Concen: 4.660 ng/mL
RT: 15.42 min Scan# 2267
Delta R.T. 0.01 min
Lab File: BF101333.D
Acq: 12 Dec 2017 16:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.1	25.7#
125	14.3	9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 3.185 ng

RT: 17.42 min Scan# 2607

Delta R.T. 0.03 min

Lab File: BF101333.D

Acq: 12 Dec 2017 16:49

Instrument :

BNA_F

ClientSampleId :

RBR-251683-RBR-400031-2428

Tot Ion: 276 Resp: 12297

Ion Ratio Lower Upper

276 100

277 29.3 17.9 26.9#

138 18.9 21.8 32.8#

Manual Integrations

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