

Data Path : Z:\HPCHEM1\BNA F\DATA\BF113017\
 Data File : BF101024.D
 Acq On : 30 Nov 2017 18:24
 Operator : SJ/JU
 Sample : I6610-10 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-7(0-2)-20171127

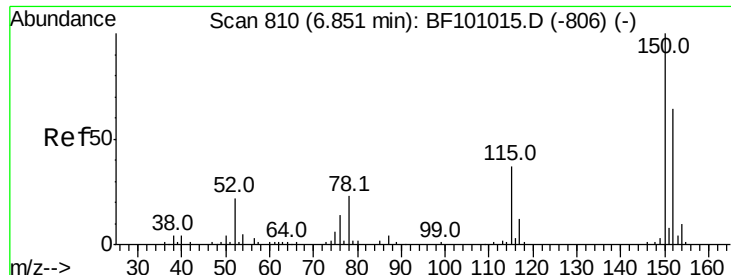
Manual Integrations
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 12/1/2017 11:12:43 AM

Quant Time: Dec 01 01:02:40 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 30 16:01:41 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	51970	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	198908	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	85417	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	138820	20.00	ng	0.00
75) Chrysene-d12	14.02	240	115275	20.00	ng	-0.01
86) Perylene-d12	15.49	264	134236	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	61453	19.54	ng	0.00
7) Phenol-d6	6.47	99	75356	19.74	ng	-0.01
23) Nitrobenzene-d5	7.41	82	43600	13.08	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	15866	15.46	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	101411	16.24	ng	0.00
78) Terphenyl-d14	12.96	244	70713	13.42	ng	-0.01
Target Compounds						Qvalue
70) Phenanthrene	11.40	178	94800	12.401	ng	97
71) Anthracene	11.45	178	20130	2.602	ng	98
74) Fluoranthene	12.59	202	102773	12.128	ng	95
77) Pyrene	12.82	202	90185	11.338	ng	99
80) Benzo(a)anthracene	14.01	228	50053	6.877	ng	98
82) Chrysene	14.04	228	47158	6.977	ng	97
85) Indeno(1,2,3-cd)pyrene	16.97	276	26305m	4.377	ng	
87) Benzo(b)fluoranthene	15.06	252	56579m	7.037	ng	
88) Benzo(k)fluoranthene	15.09	252	23941m	3.022	ng	
89) Benzo(a)pyrene	15.43	252	43981	6.017	ng	98
91) Benzo(g,h,i)perylene	17.42	276	25089	4.131	ng	# 87

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



#1

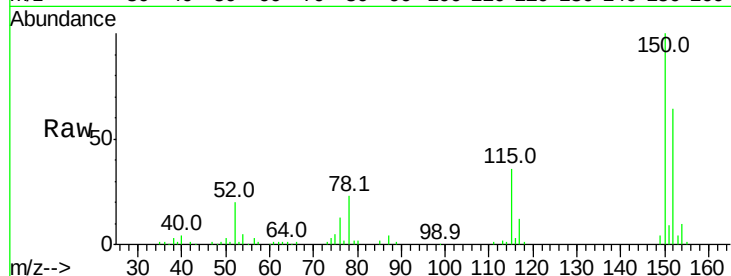
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF101024.D
Acq: 30 Nov 2017 18:24

Instrument :
BNA_F
ClientSampleId :
SB-7(0-2)-20171127

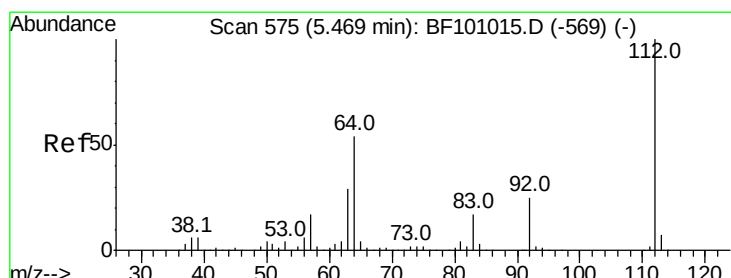
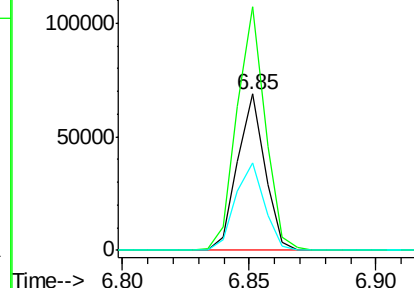
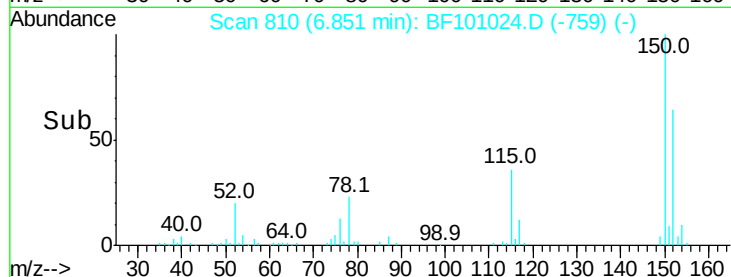
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	124.6	186.8
115	56.2	50.1	75.1

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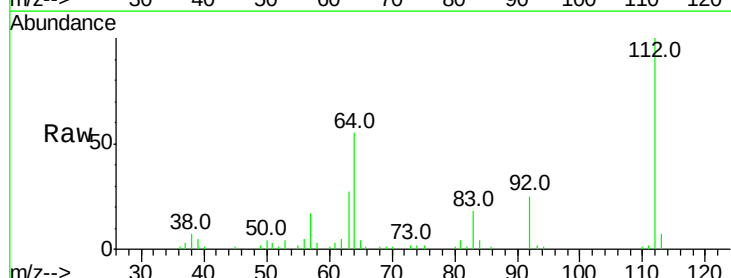
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



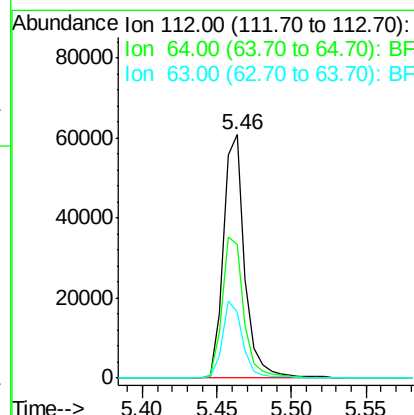
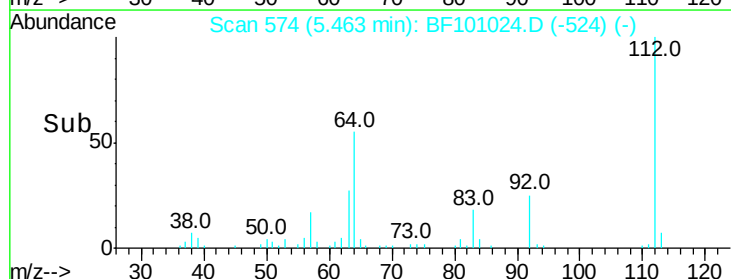
#5

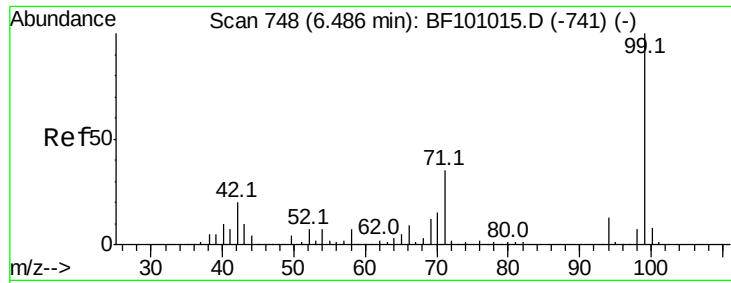
2-Fluorophenol
Concen: 19.540 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.00 min
Lab File: BF101024.D
Acq: 30 Nov 2017 18:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.8	47.9	71.9
63	27.2	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: 19.735 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF101024.D

Acq: 30 Nov 2017 18:24

Instrument :

BNA_F

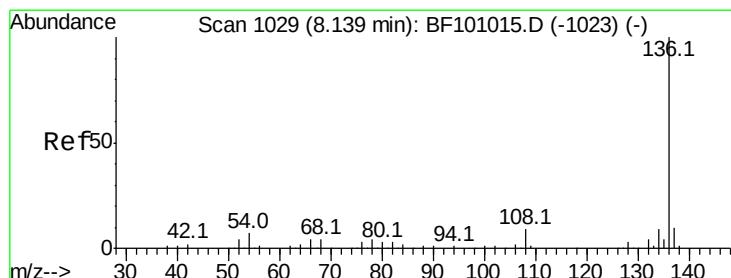
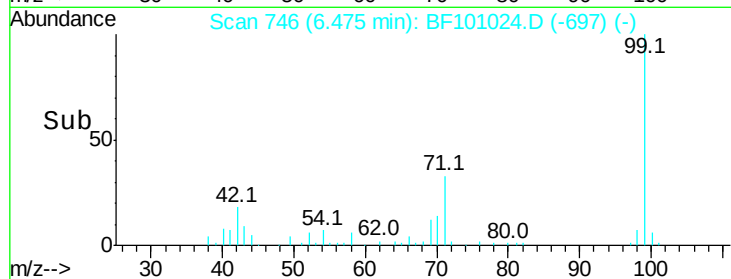
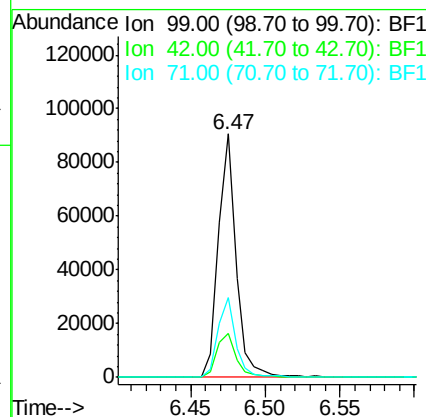
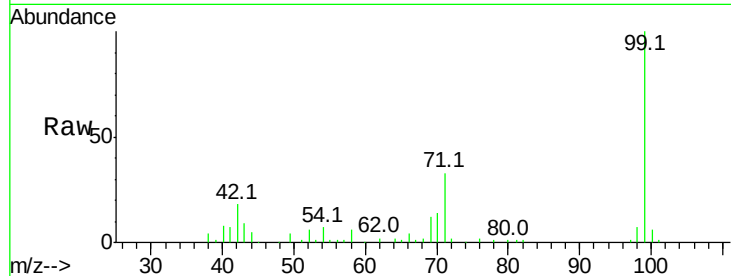
ClientSampleId :

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Tot Ion:	99	Resp:	75356
Ion	Ratio	Lower	Upper
99	100		
42	17.8	14.5	21.7
71	32.8	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

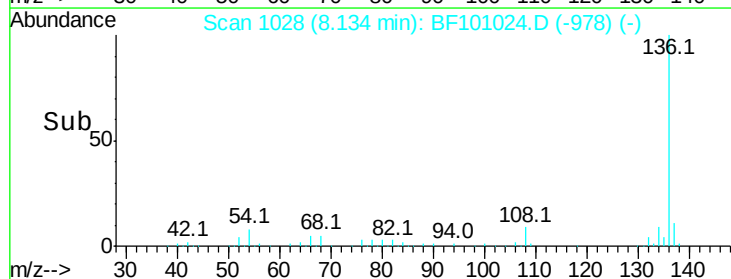
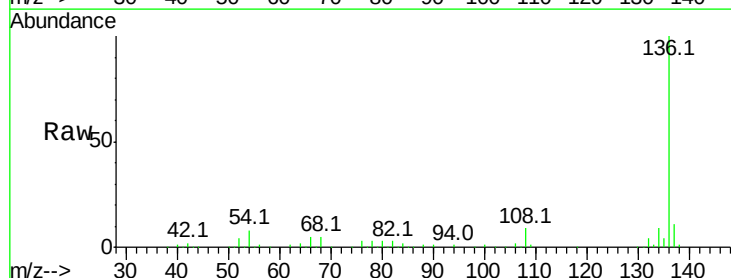
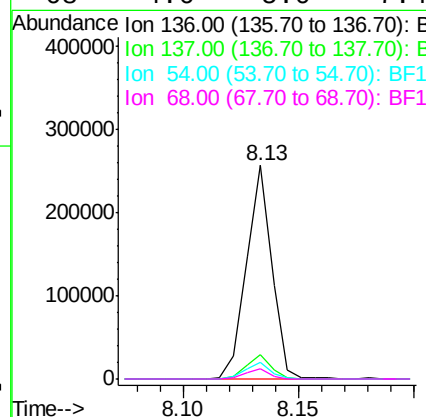
RT: 8.13 min Scan# 1028

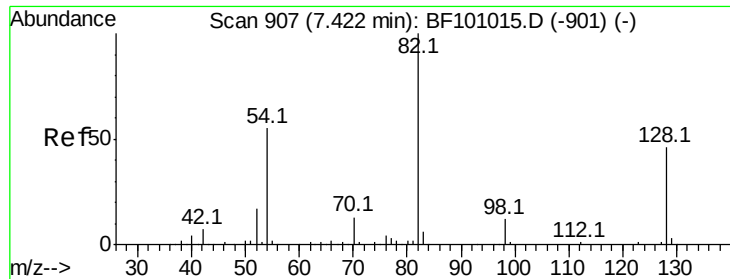
Delta R.T. -0.01 min

Lab File: BF101024.D

Acq: 30 Nov 2017 18:24

Tgt Ion:	136	Resp:	198908
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	7.6	6.6	9.8
68	4.6	5.0	7.4#





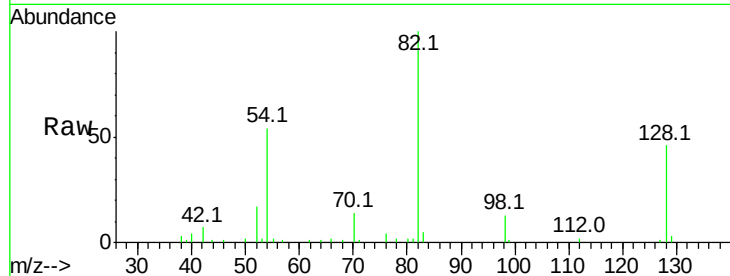
#23
 Nitrobenzene-d5
 Concen: 13.076 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF101024.D
 Acq: 30 Nov 2017 18:24

Instrument :
 BNA_F
 ClientSampleId :
 SB-7(0-2)-20171127

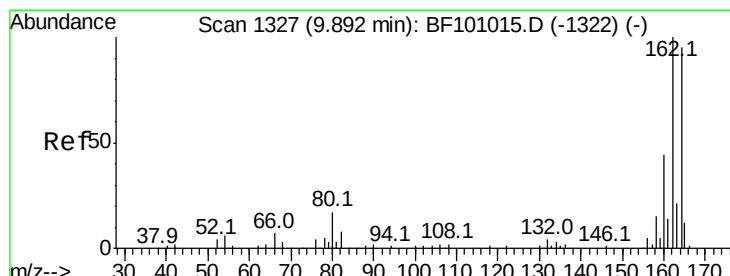
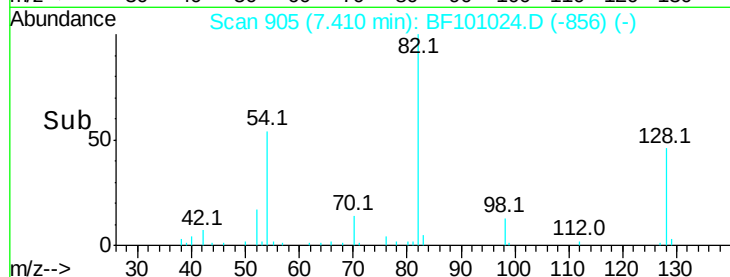
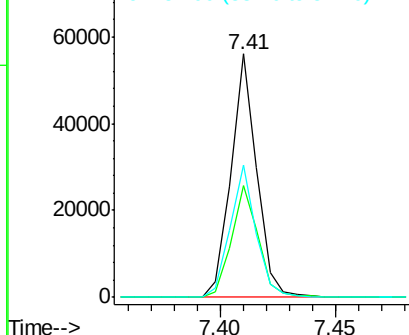
Tot Ion	Ratio	Lower	Upper
82	100		
128	46.1	36.1	54.1
54	54.1	41.4	62.2

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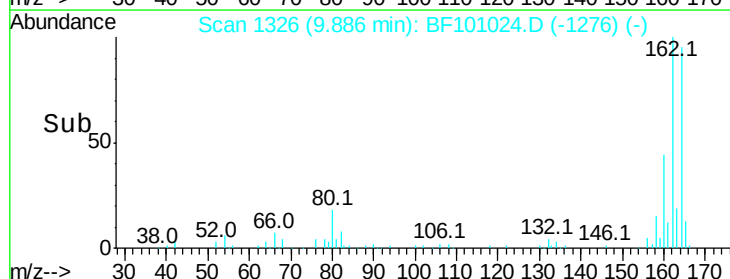
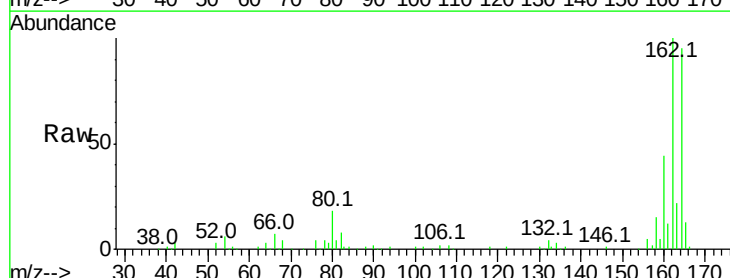
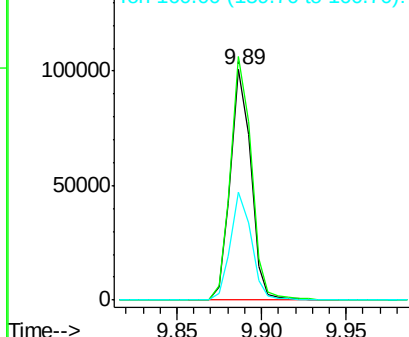
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

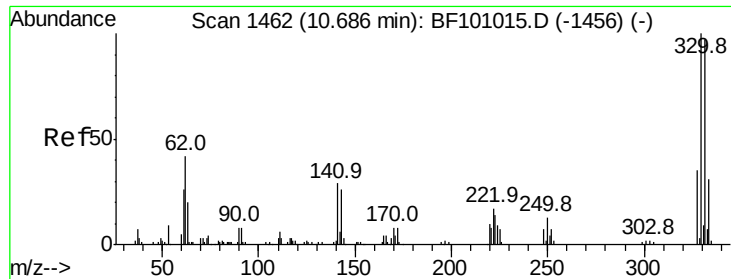


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: BF101024.D
 Acq: 30 Nov 2017 18:24

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.8	86.1	129.1
160	46.6	38.3	57.5

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: 15.462 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.01 min

Lab File: BF101024.D

Acq: 30 Nov 2017 18:24

Instrument :

BNA_F

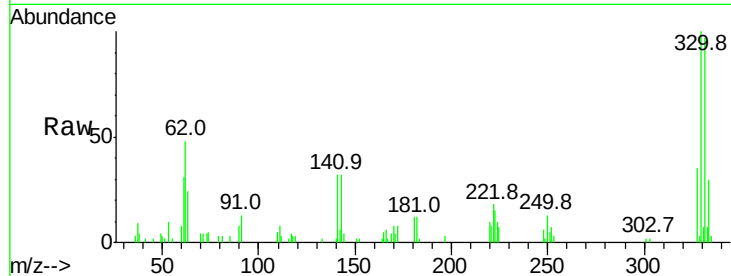
ClientSampleId :

SB-7(0-2)-20171127

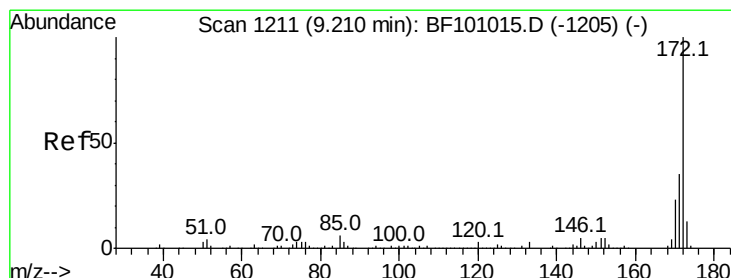
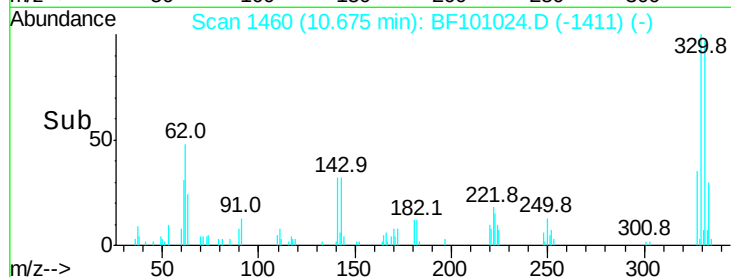
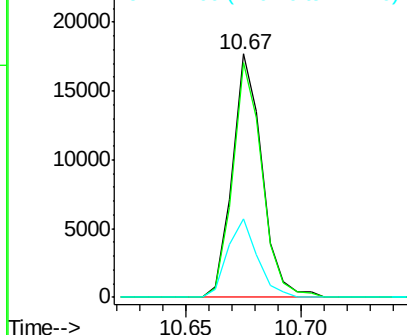
Tot Ion:	330	Resp:	15866
Ion Ratio	Lower	Upper	
330	100		
332	95.8	77.0	115.6
141	32.1	29.9	44.9

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 16.244 ng

RT: 9.20 min Scan# 1210

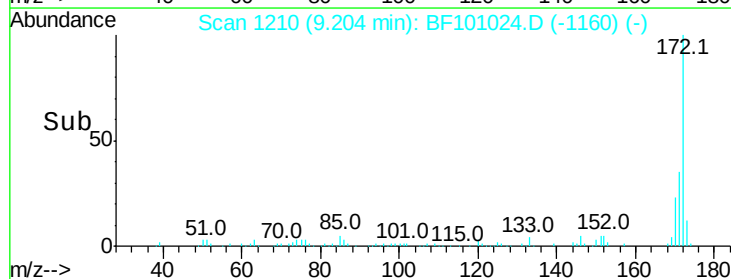
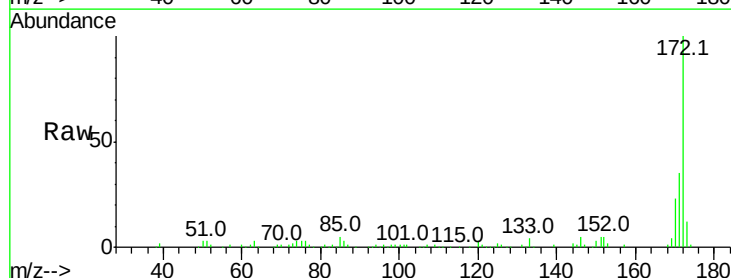
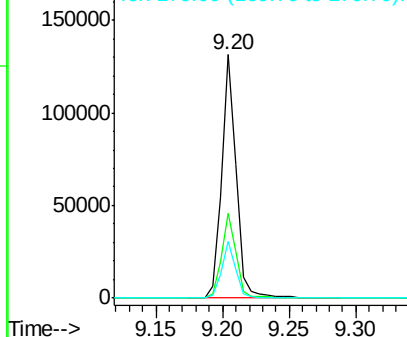
Delta R.T. -0.01 min

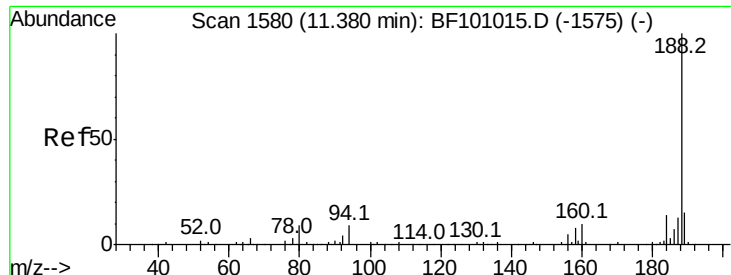
Lab File: BF101024.D

Acq: 30 Nov 2017 18:24

Tgt Ion:	172	Resp:	101411
Ion Ratio	Lower	Upper	
172	100		
171	34.8	29.7	44.5
170	23.2	19.6	29.4

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





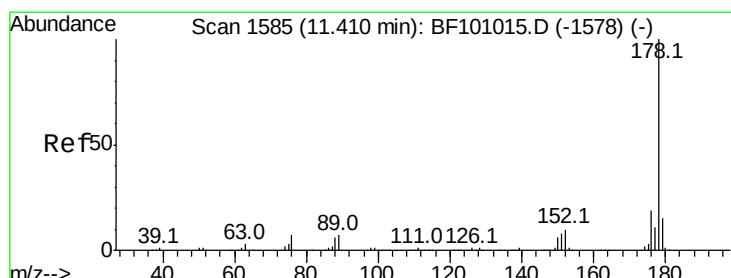
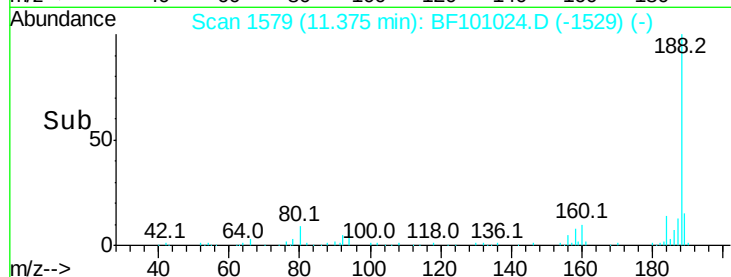
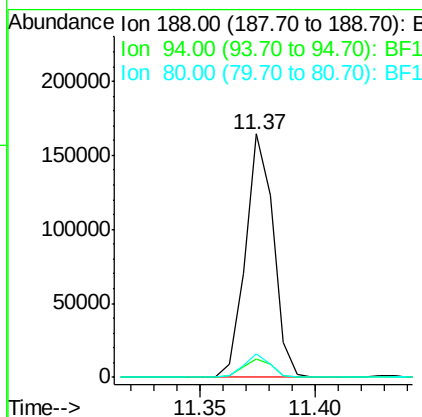
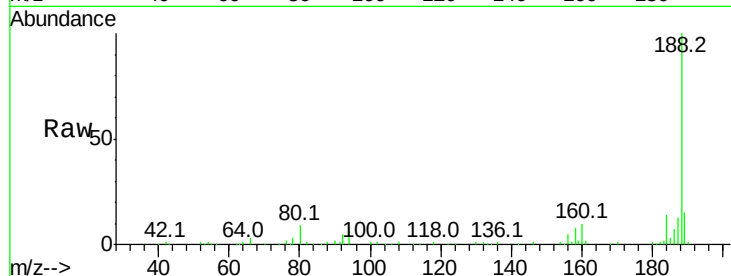
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: BF101024.D
 Acq: 30 Nov 2017 18:24

Instrument :
 BNA_F
 ClientSampleId :
 SB-7(0-2)-20171127

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	7.4	8.5	12.7#
80	9.5	9.2	13.8

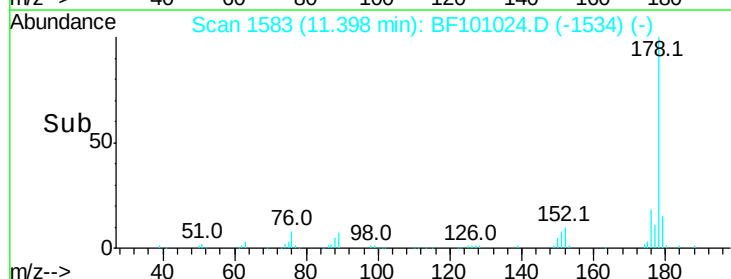
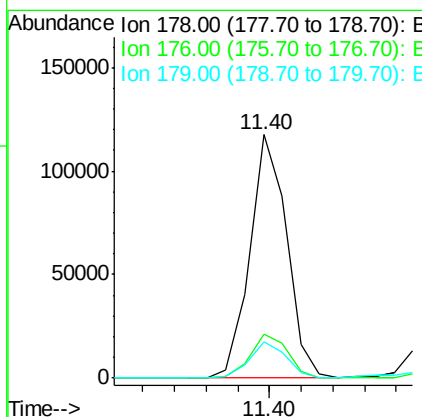
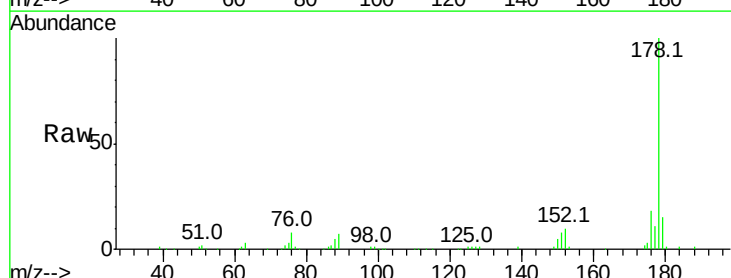
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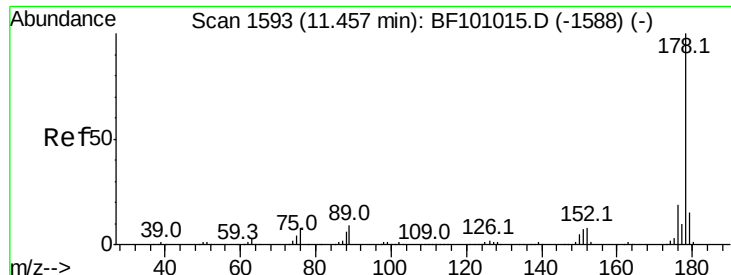
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#70
 Phenanthrene
 Concen: 12.401 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF101024.D
 Acq: 30 Nov 2017 18:24

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.1	15.8	23.8
179	15.1	13.0	19.6





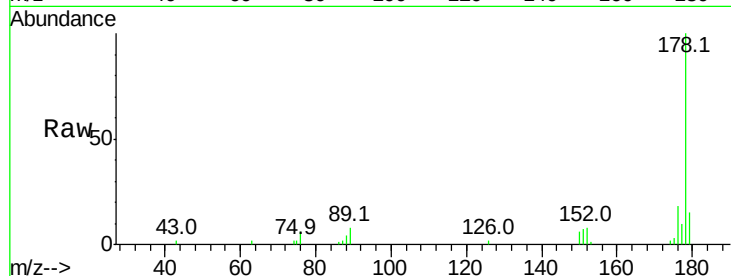
#71
 Anthracene
 Concen: 2.602 ng
 RT: 11.45 min Scan# 1592
 Delta R.T. -0.01 min
 Lab File: BF101024.D
 Acq: 30 Nov 2017 18:24

Instrument :
 BNA_F
 ClientSampleId :
 SB-7(0-2)-20171127

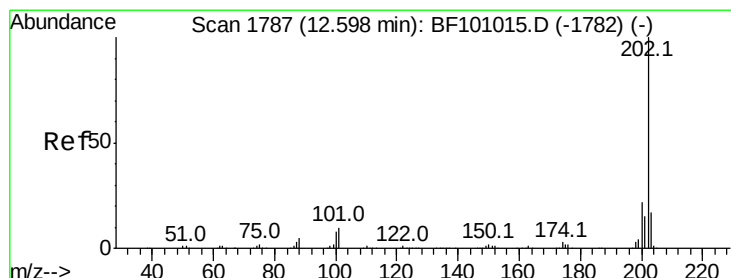
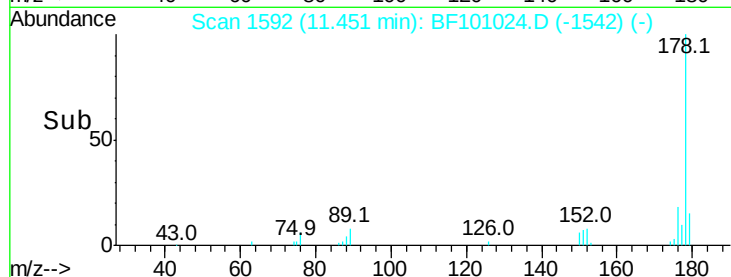
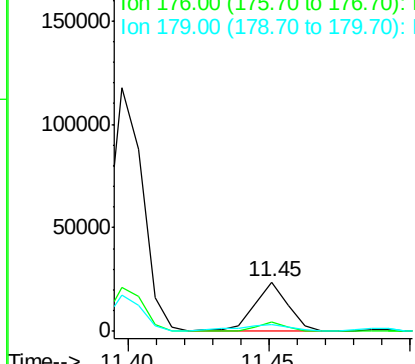
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.4	23.2
179	15.1	12.6	19.0

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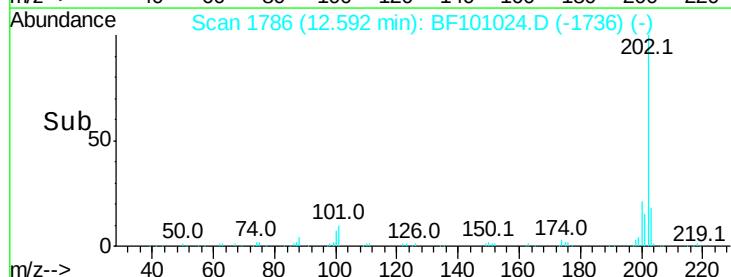
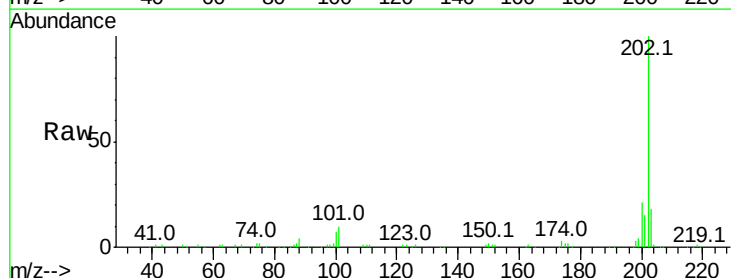
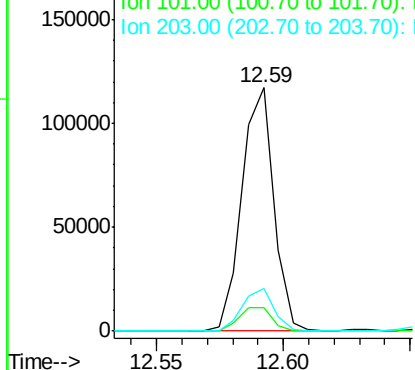
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

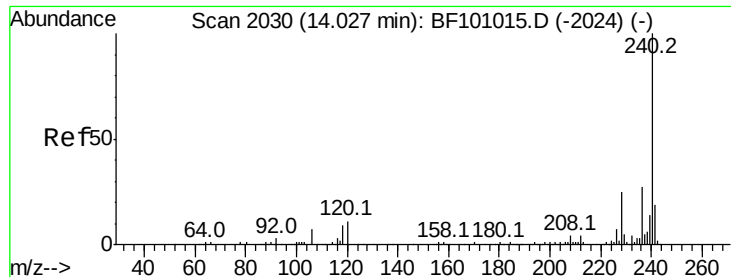


#74
 Fluoranthene
 Concen: 12.128 ng
 RT: 12.59 min Scan# 1786
 Delta R.T. -0.01 min
 Lab File: BF101024.D
 Acq: 30 Nov 2017 18:24

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	34.1
203	17.8	0.0	38.1

Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF101024.D

Acq: 30 Nov 2017 18:24

Instrument :

BNA_F

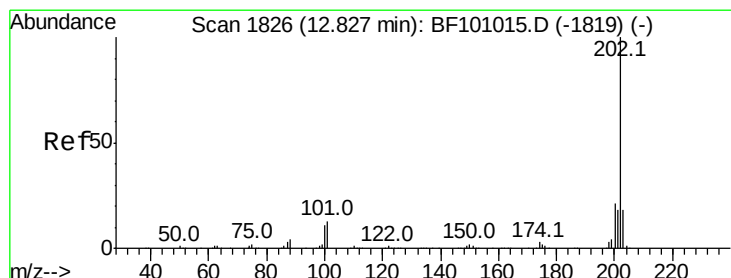
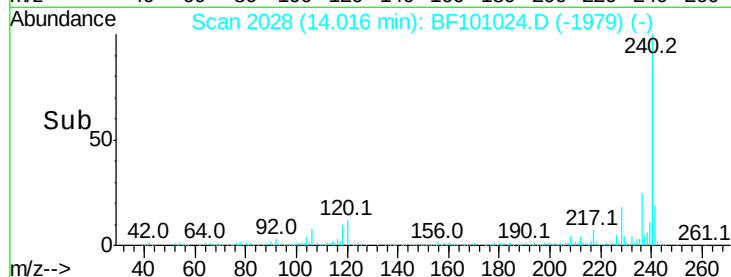
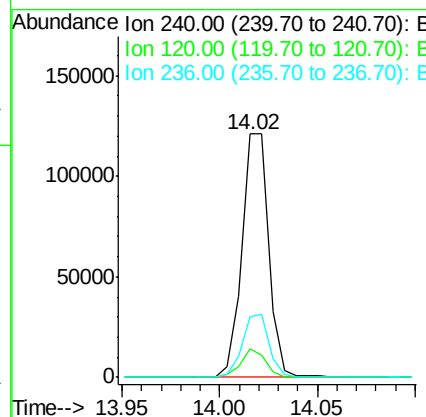
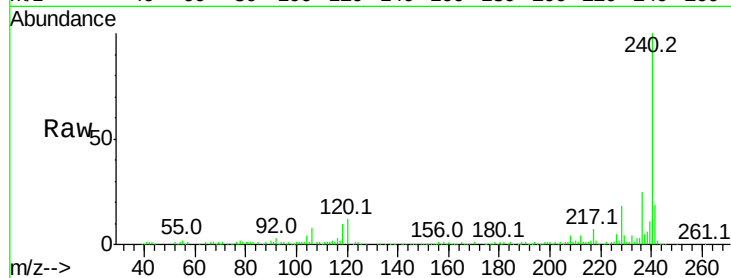
ClientSampleId :

SB-7(0-2)-20171127

Tot Ion:	240	Resp:	115275
Ion Ratio	Lower	Upper	
240	100		
120	11.5	9.5	14.3
236	25.0	20.7	31.1

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#77

Pyrene

Concen: 11.338 ng

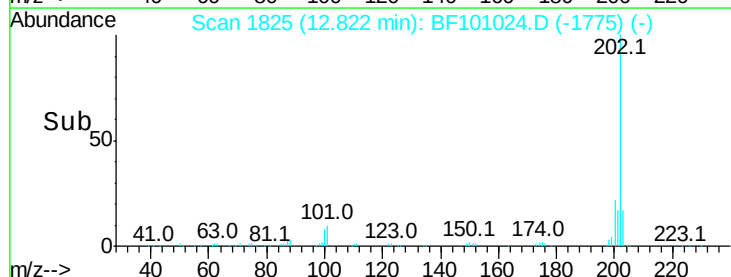
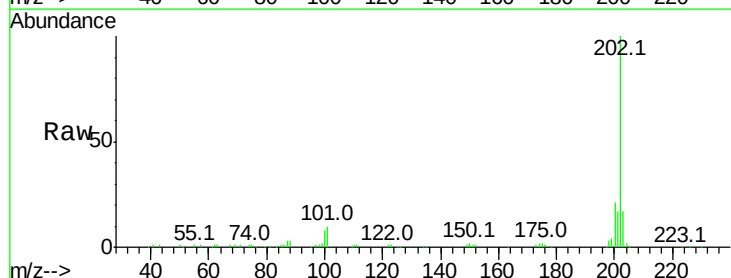
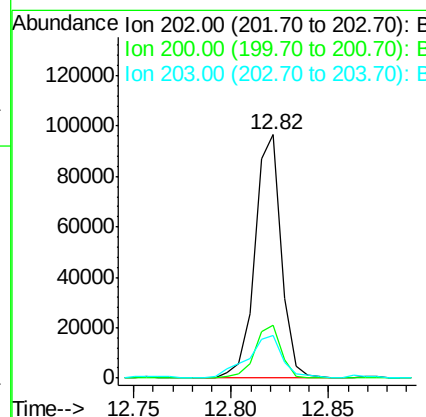
RT: 12.82 min Scan# 1825

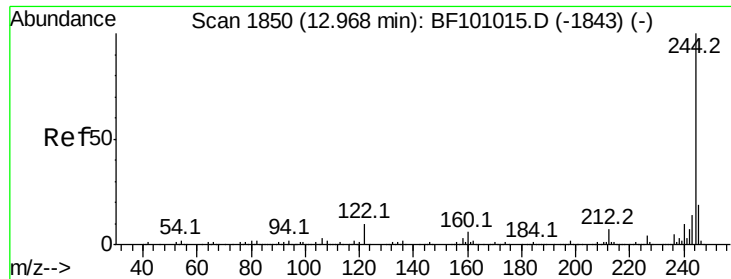
Delta R.T. -0.01 min

Lab File: BF101024.D

Acq: 30 Nov 2017 18:24

Tgt Ion:	202	Resp:	90185
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.4	26.2
203	17.3	14.3	21.5





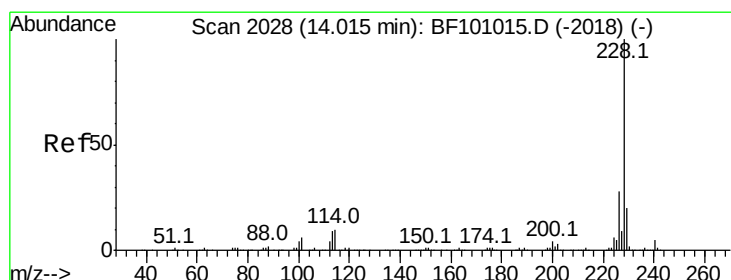
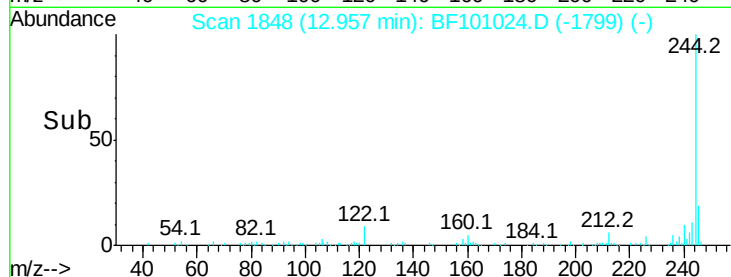
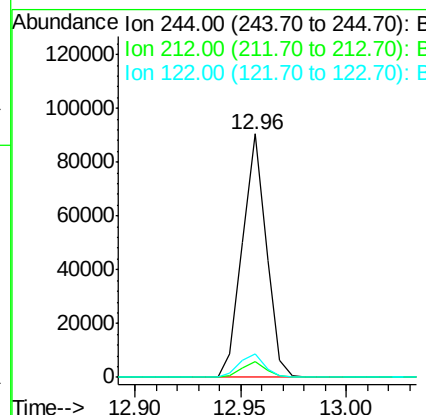
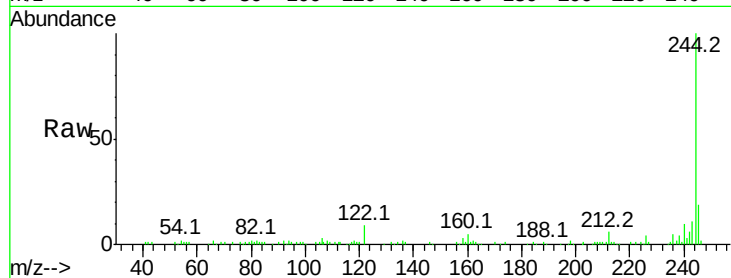
#78
 Terphenyl-d14
 Concen: 13.417 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.01 min
 Lab File: BF101024.D
 Acq: 30 Nov 2017 18:24

Instrument :
 BNA_F
 ClientSampleId :
 SB-7(0-2)-20171127

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.4	8.0
122	9.5	11.0	16.4

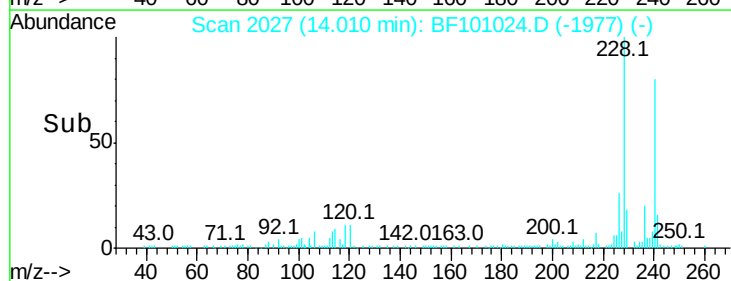
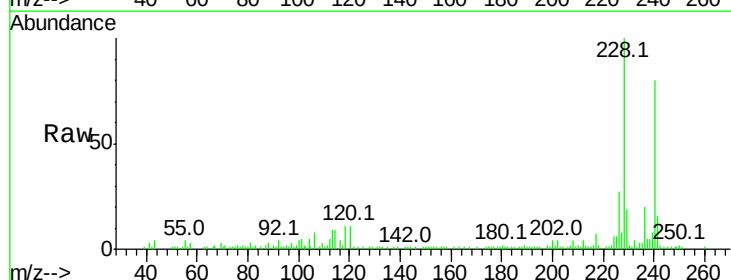
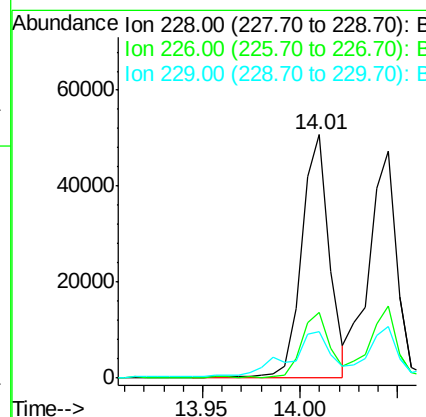
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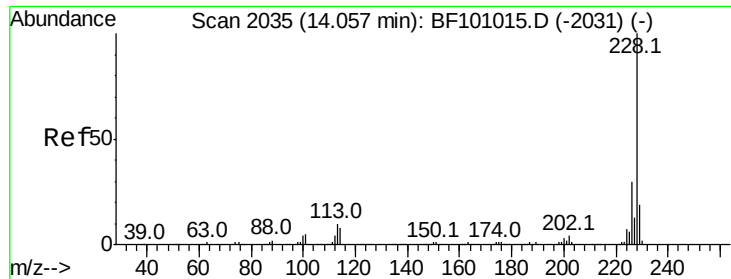
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#80
 Benzo(a)anthracene
 Concen: 6.877 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.01 min
 Lab File: BF101024.D
 Acq: 30 Nov 2017 18:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.0	22.6	33.8
229	18.9	15.8	23.6





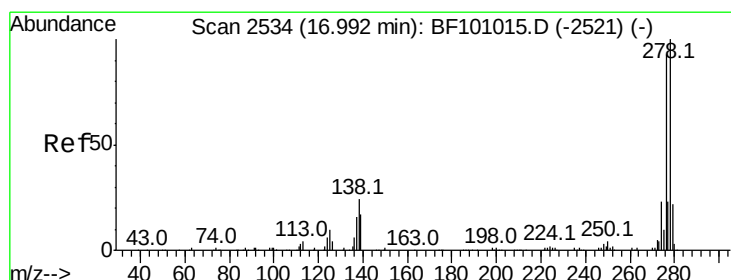
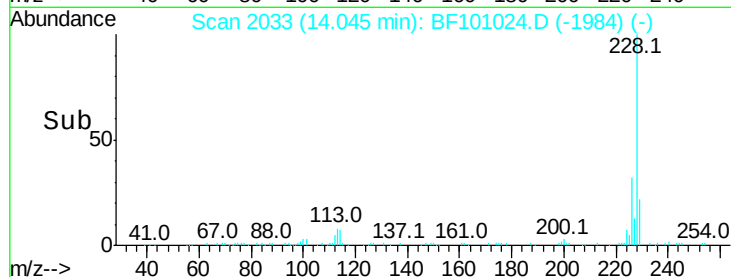
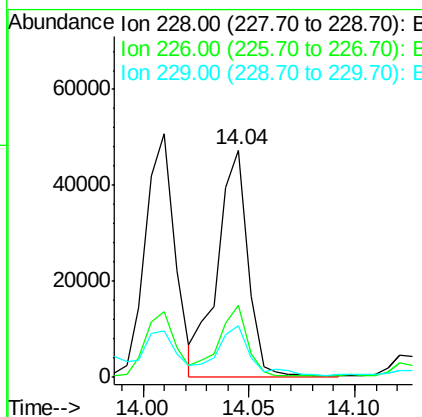
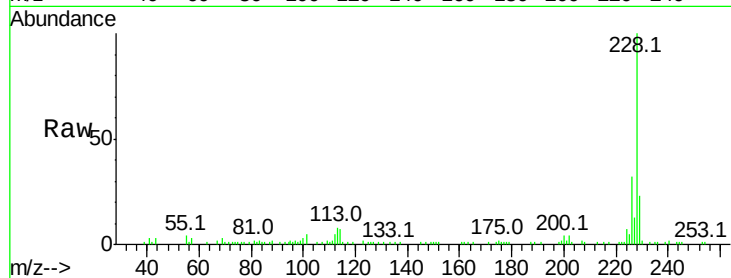
#82
Chrysene
Concen: 6.977 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF101024.D
Acq: 30 Nov 2017 18:24

Instrument :
BNA_F
ClientSampleId :
SB-7(0-2)-20171127

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.8	25.0	37.6
229	22.7	16.2	24.4

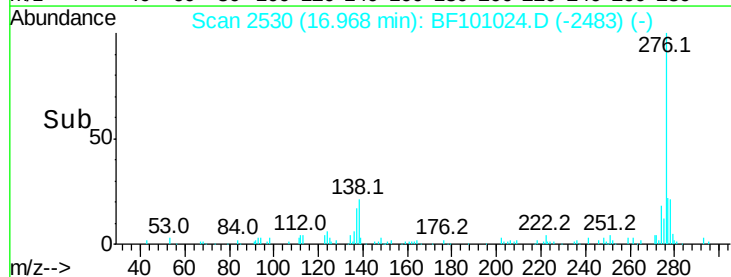
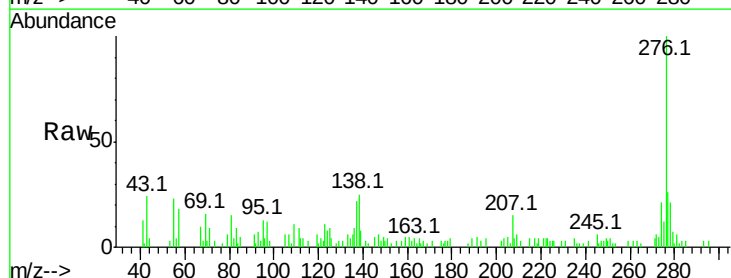
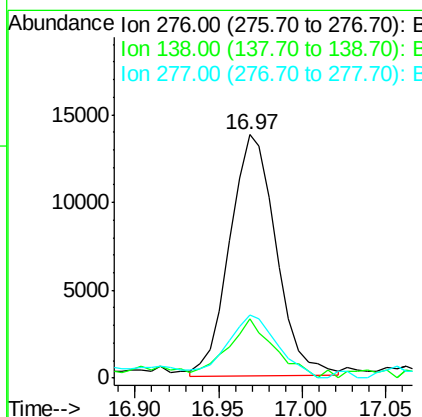
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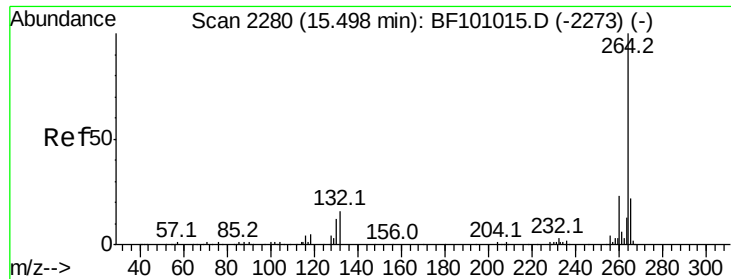
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#85
Indeno(1,2,3-cd)pyrene
Concen: 4.377 ng m
RT: 16.97 min Scan# 2530
Delta R.T. -0.02 min
Lab File: BF101024.D
Acq: 30 Nov 2017 18:24

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.9	25.0	37.6#
277	28.4	20.1	30.1





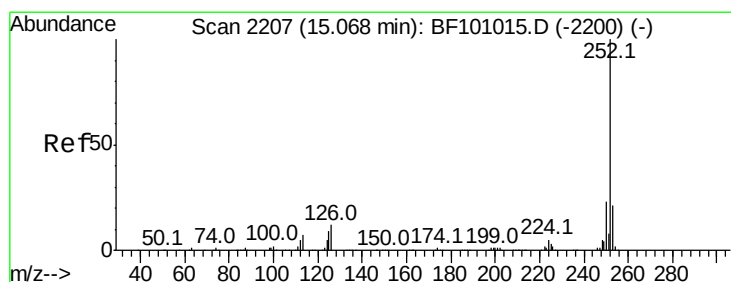
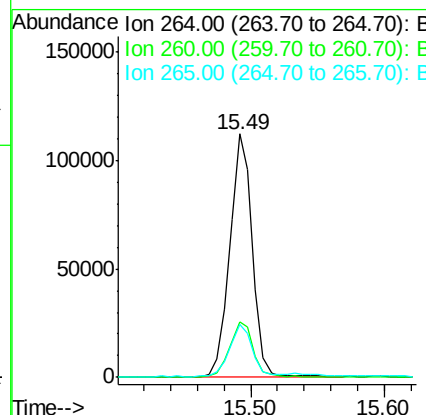
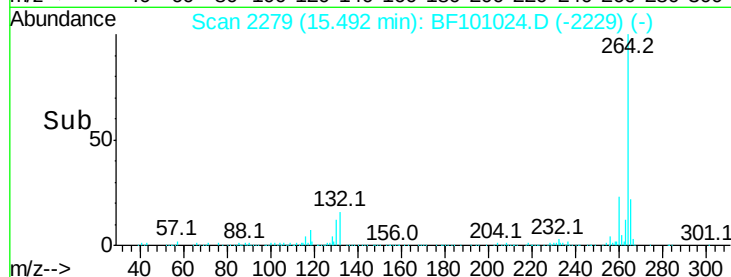
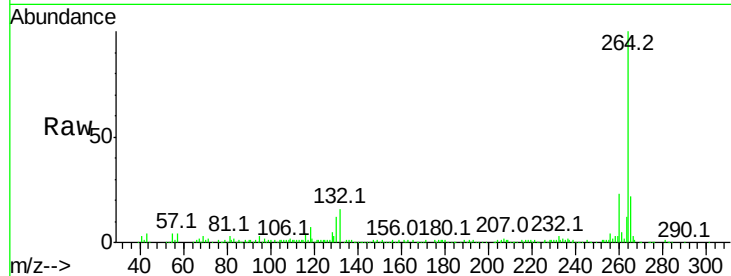
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BF101024.D
Acq: 30 Nov 2017 18:24

Instrument :
BNA_F
ClientSampleId :
SB-7(0-2)-20171127

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	21.7	17.5	26.3

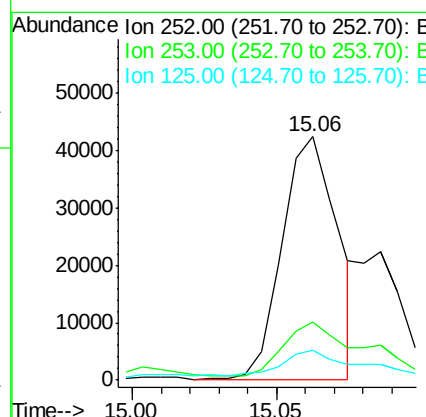
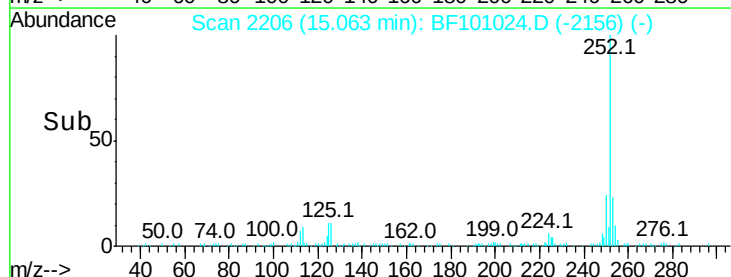
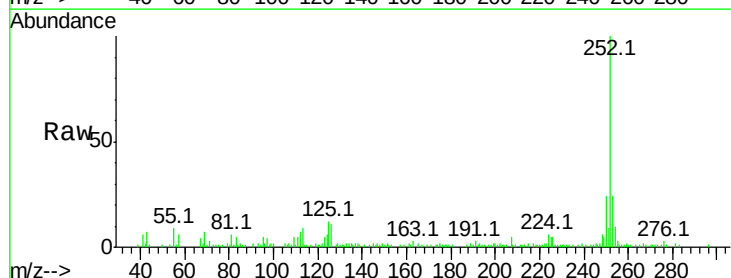
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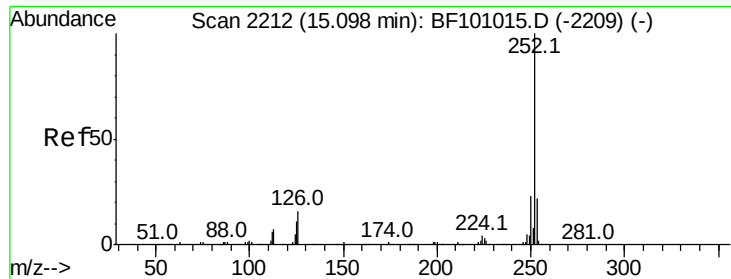
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#87
Benzo(b)fluoranthene
Concen: 7.037 ng m
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF101024.D
Acq: 30 Nov 2017 18:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.0	25.6
125	12.5	9.0	13.6





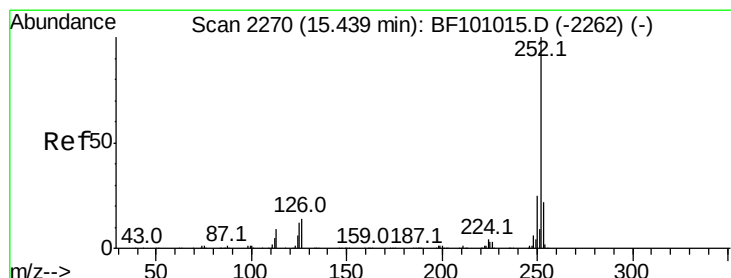
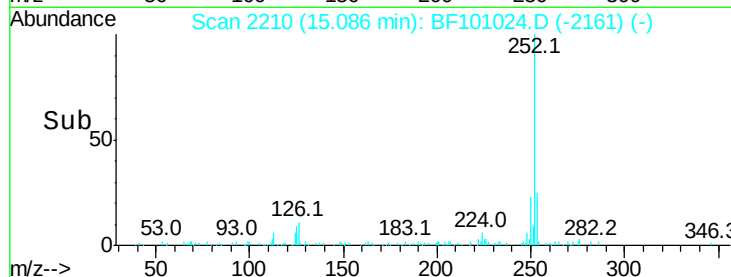
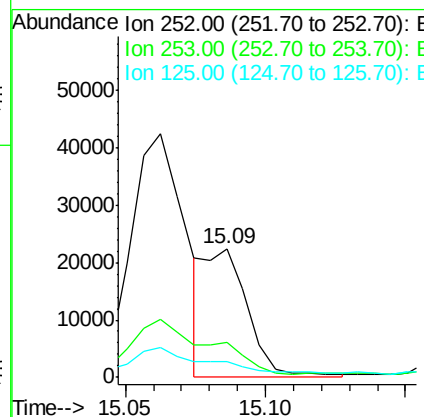
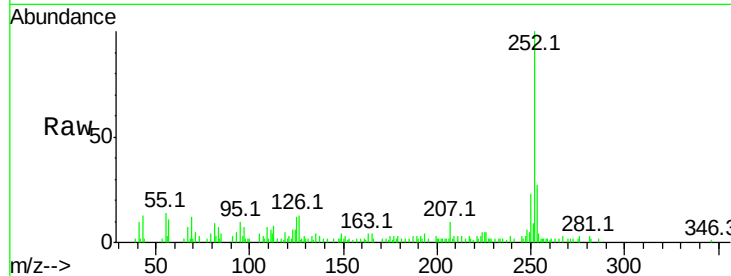
#88
Benzo(k)fluoranthene
Concen: 3.022 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF101024.D
Acq: 30 Nov 2017 18:24

Instrument :
BNA_F
ClientSampleId :
SB-7(0-2)-20171127

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.8	17.9	26.9
125	12.5	10.2	15.2

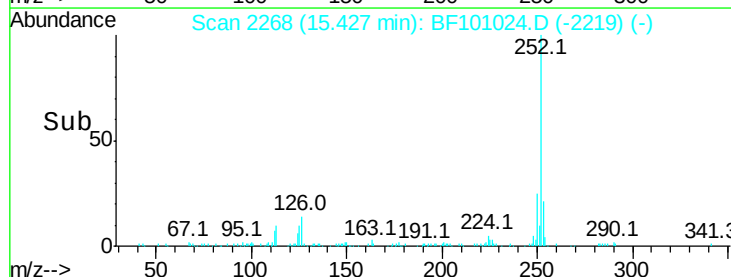
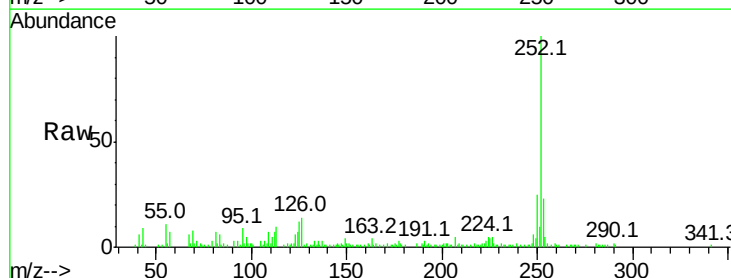
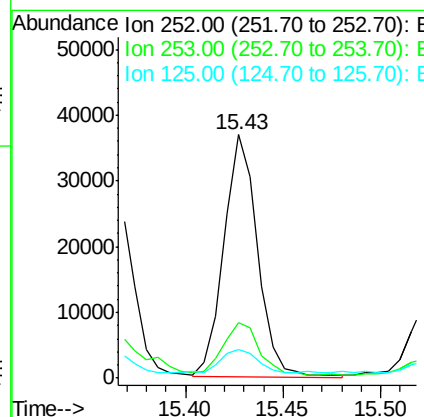
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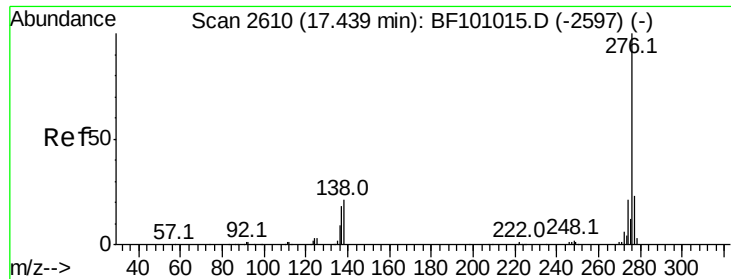
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#89
Benzo(a)pyrene
Concen: 6.017 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF101024.D
Acq: 30 Nov 2017 18:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	11.9	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 4.131 ng
 RT: 17.42 min Scan# 2607
 Delta R.T. -0.02 min
 Lab File: BF101024.D
 Acq: 30 Nov 2017 18:24

Instrument :
 BNA_F
 ClientSampleId :
 SB-7(0-2)-20171127

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.7	17.9	26.9#
138	19.5	21.8	32.8#

Manual Integrations
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