

Data Path : U:\HPCHEM1\BNA F\DATA\BF011818\
 Data File : BF102194.D
 Acq On : 18 Jan 2018 16:31
 Operator : SJ/JU
 Sample : J1168-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-44-2.0-2.5

Manual Integrations
 APPROVED

Sohil
 1/19/2018 9:47:21 AM

Quant Time: Jan 19 00:44:39 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 17 15:28:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	152660	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	622059	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	279941	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	453232	20.00	ng	0.00
75) Chrysene-d12	13.87	240	298590	20.00	ng	0.00
86) Perylene-d12	15.29	264	268718	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	927451	85.79	ng	0.00
7) Phenol-d6	6.36	99	1096534	85.01	ng	0.00
23) Nitrobenzene-d5	7.29	82	696396	65.79	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	226405	92.67	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	1102401	61.52	ng	0.00
78) Terphenyl-d14	12.82	244	824756	57.35	ng	0.00
Target Compounds						
10) Phenol	6.36	94	50196	3.444	ng	83
49) Dimethylphthalate	9.47	163	181448	8.080	ng	99
70) Phenanthrene	11.26	178	332990	12.578	ng	99
71) Anthracene	11.31	178	93957	3.499	ng	97
74) Fluoranthene	12.45	202	367209	14.098	ng	96
77) Pyrene	12.67	202	308811	11.700	ng	99
80) Benzo(a)anthracene	13.86	228	143812	7.549	ng	93
82) Chrysene	13.89	228	145984	7.349	ng	97
85) Indeno(1,2,3-cd)pyrene	16.65	276	84963	5.876	ng	97
87) Benzo(b)fluoranthene	14.88	252	192748m	11.001	ng	
88) Benzo(k)fluoranthene	14.90	252	44802m	2.651	ng	
89) Benzo(a)pyrene	15.22	252	125231	7.943	ng	98
91) Benzo(a,h,i)perylene	17.07	276	79591	6.280	ng	100

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

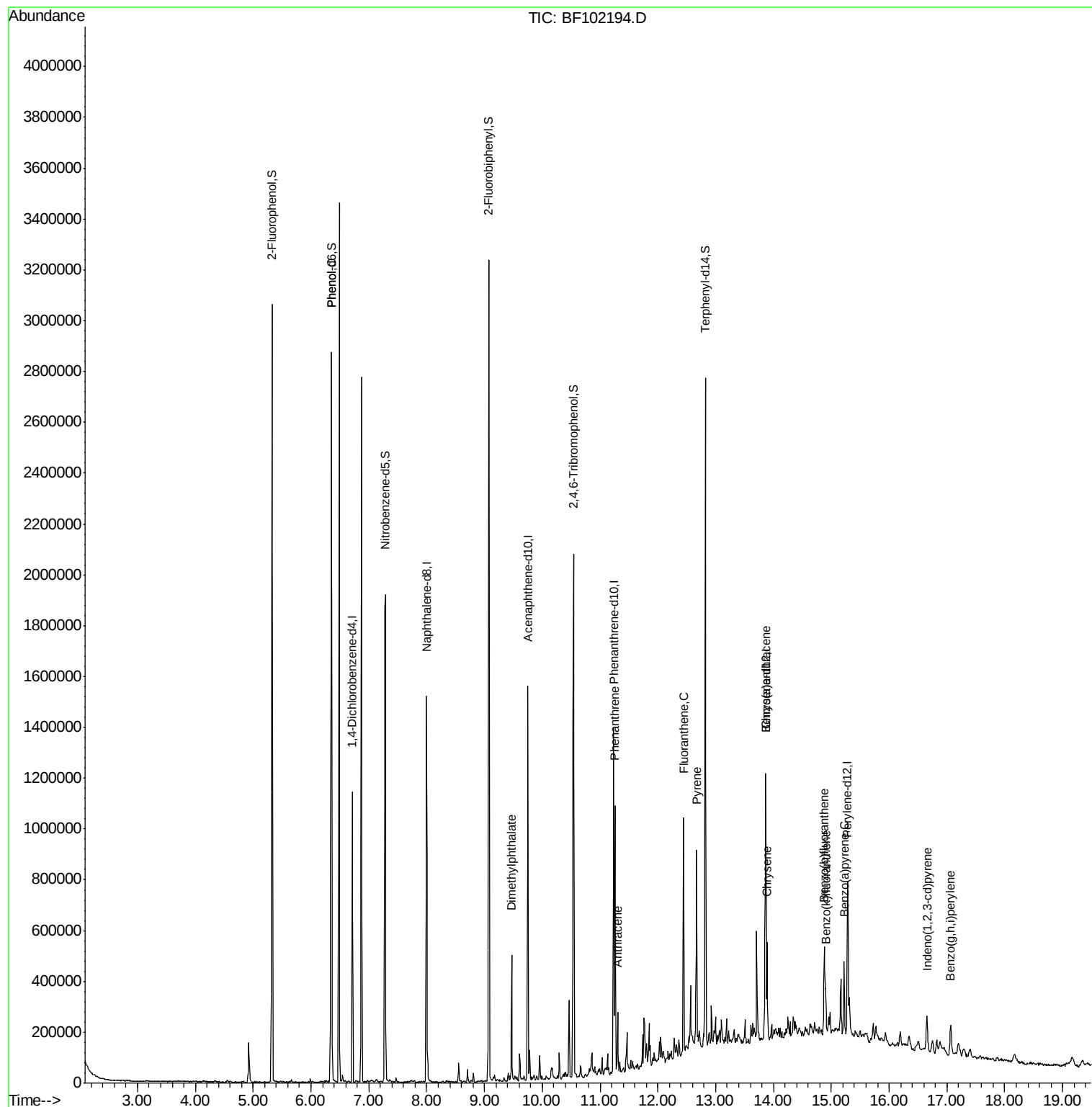
Data Path : U:\HPCHEM1\BNA F\DATA\BF011818\
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Acq On : 18 Jan 2018 16:31
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SB-44-2.0-2.5

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#1

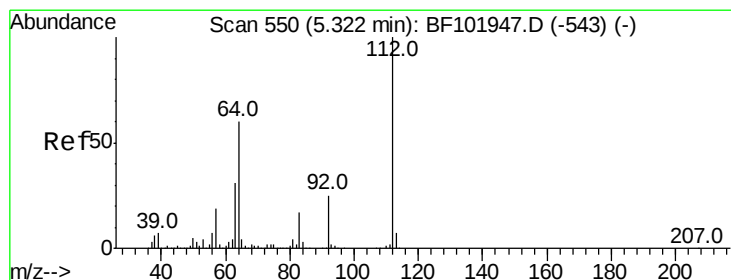
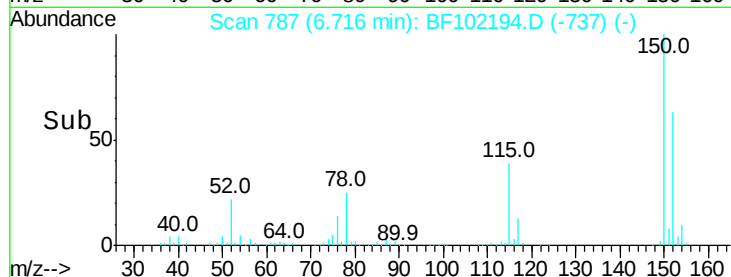
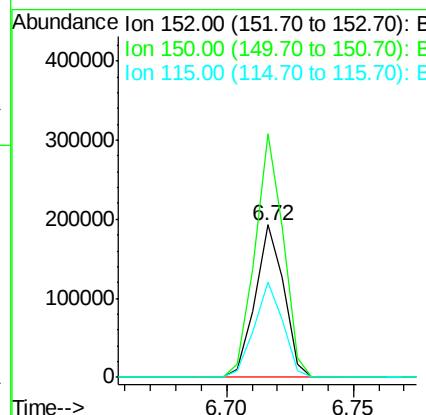
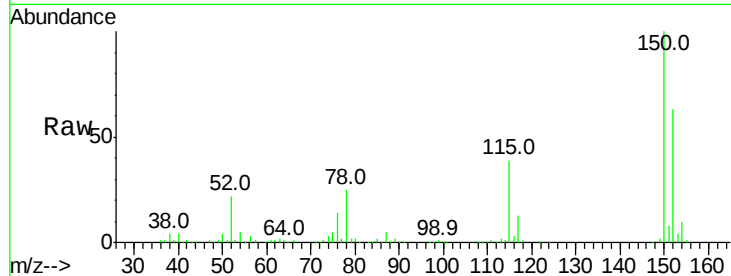
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF102194.D
Acq: 18 Jan 2018 16:31

Instrument :
BNA_F
ClientSampleId :
SB-44-2.0-2.5

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.8	124.6	186.8
115	62.6	50.1	75.1

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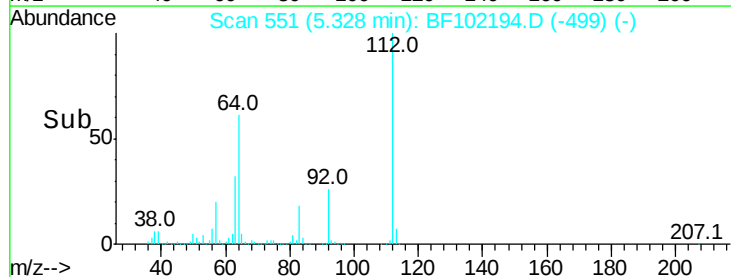
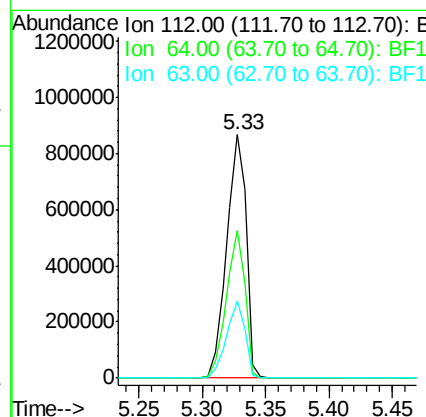
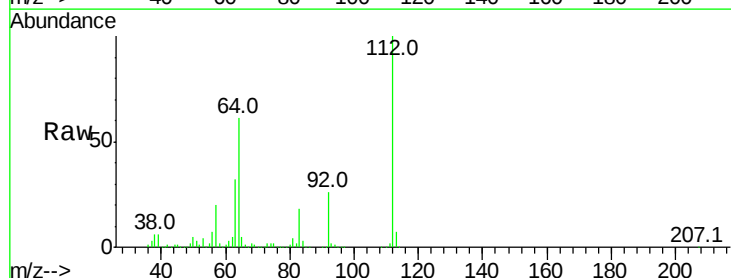
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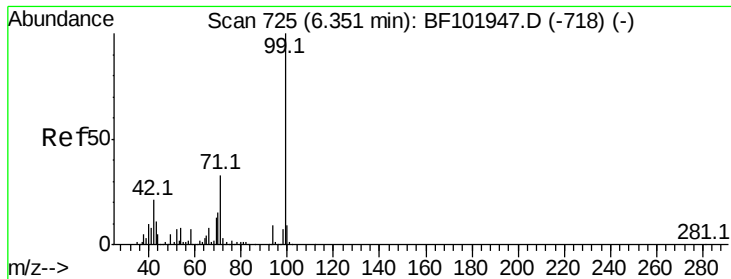


#5

2-Fluorophenol
Concen: 85.788 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF102194.D
Acq: 18 Jan 2018 16:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.9	47.9	71.9
63	31.9	23.7	35.5





#7

Phenol-d6

Concen: 85.012 ng

RT: 6.36 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF102194.D

Acq: 18 Jan 2018 16:31

Instrument :

BNA_F

ClientSampleId :

SB-44-2.0-2.5

Tot Ion: 99 Resp: 1096534

Ion Ratio Lower Upper

99 100

42 19.1 14.5 21.7

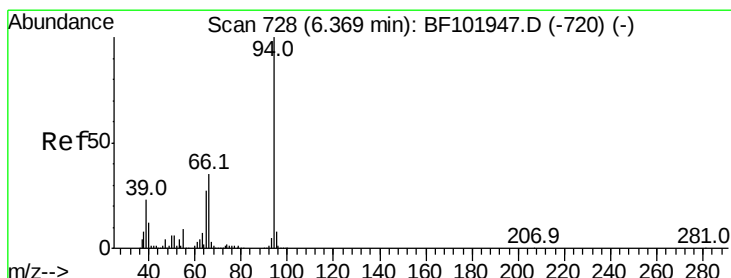
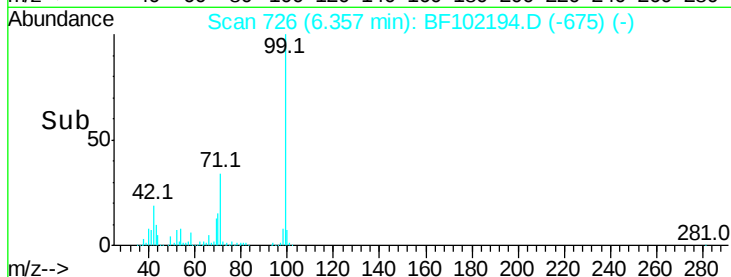
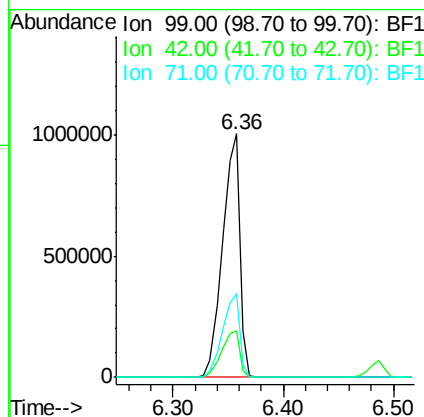
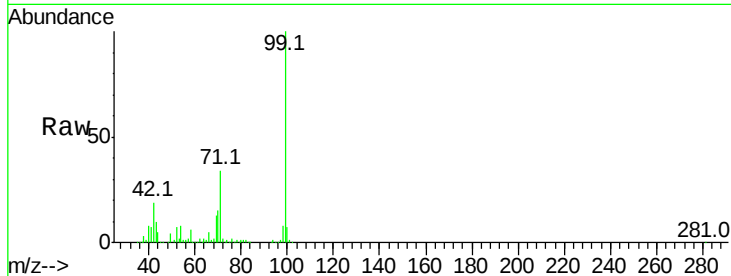
71 34.2 25.4 38.0

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#10

Phenol

Concen: 3.444 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF102194.D

Acq: 18 Jan 2018 16:31

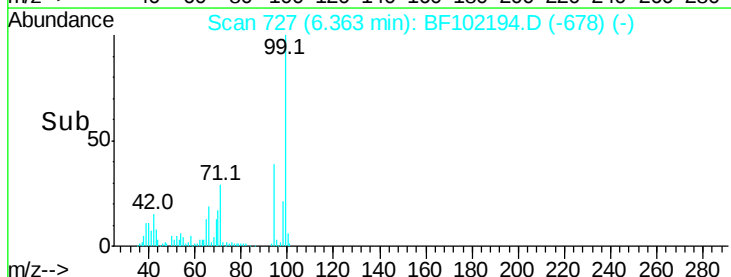
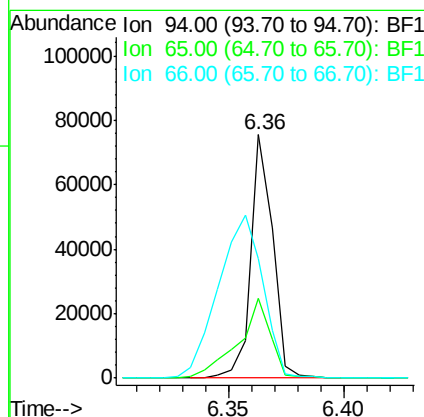
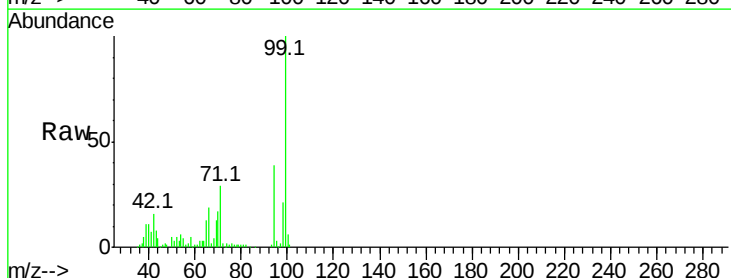
Tgt Ion: 94 Resp: 50196

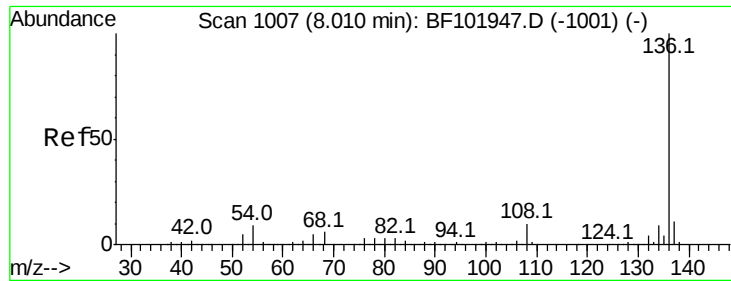
Ion Ratio Lower Upper

94 100

65 32.8 7.9 47.9

66 49.2 16.2 56.2





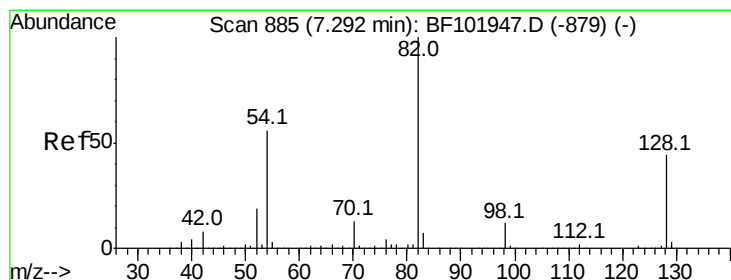
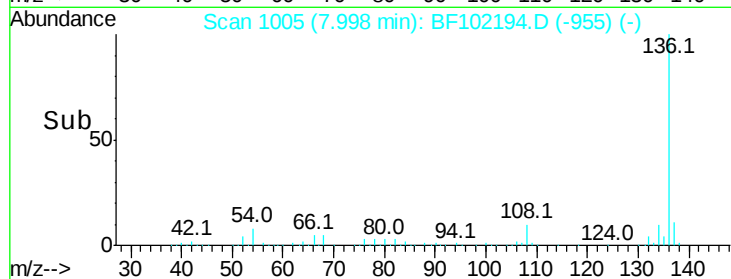
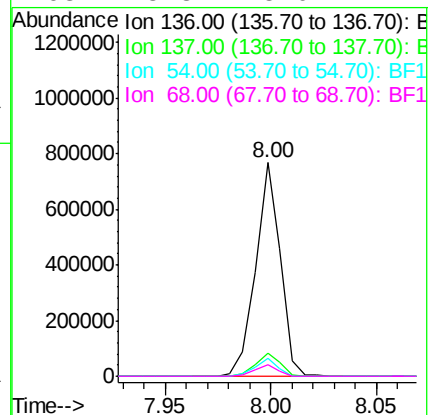
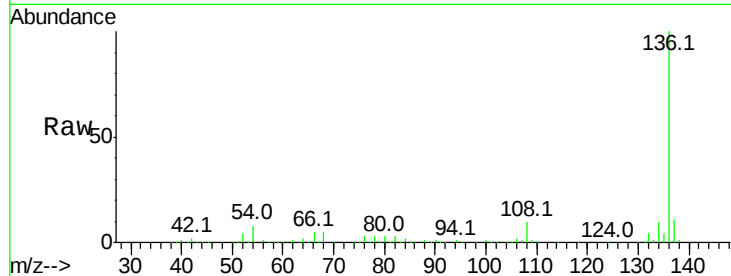
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF102194.D
Acq: 18 Jan 2018 16:31

Instrument :
BNA_F
ClientSampleId :
SB-44-2.0-2.5

Tot Ion	Ratio	Resp	Lower	Upper
136	100	622059		
137	11.1		8.9	13.3
54	8.2		6.6	9.8
68	5.3		5.0	7.4

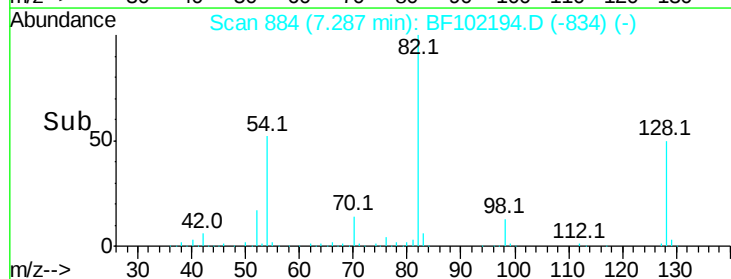
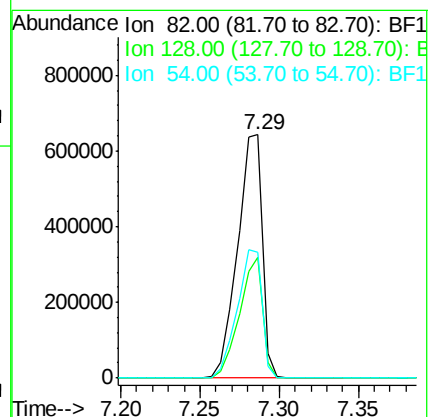
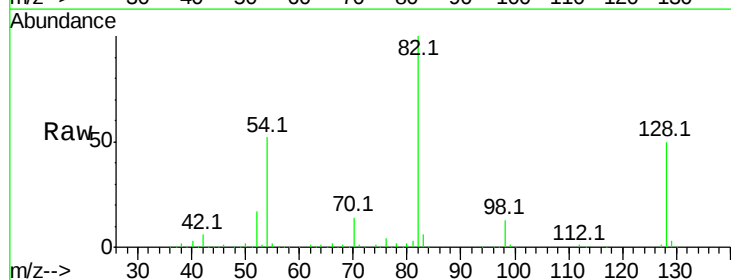
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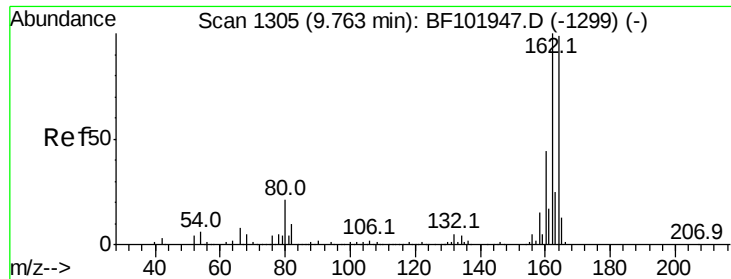
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#23
Nitrobenzene-d5
Concen: 65.786 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF102194.D
Acq: 18 Jan 2018 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	696396		
128	49.6		36.1	54.1
54	51.7		41.4	62.2





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF102194.D

Acq: 18 Jan 2018 16:31

Instrument :

BNA_F

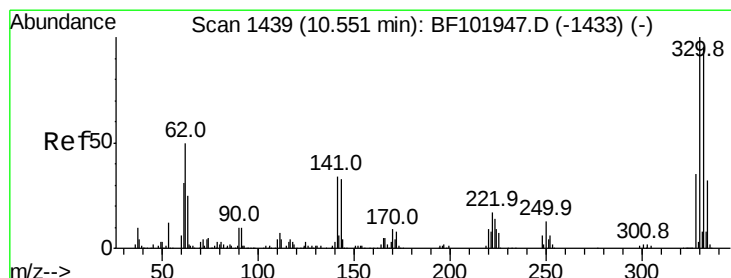
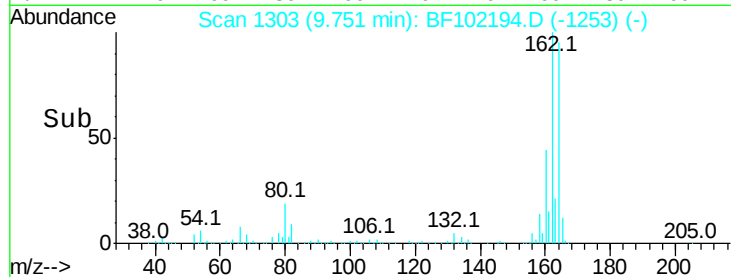
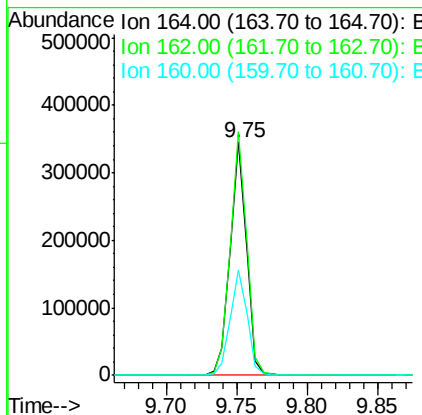
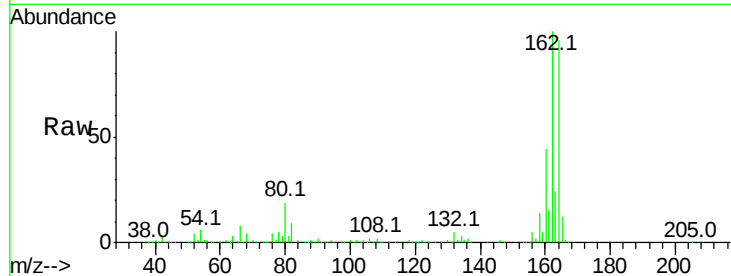
ClientSampleId :

SB-44-2.0-2.5

Tot Ion:	164	Resp:	279941
Ion Ratio	Lower	Upper	
164	100		
162	104.5	86.1	129.1
160	45.5	38.3	57.5

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#41

2,4,6-Tribromophenol

Concen: 92.675 ng

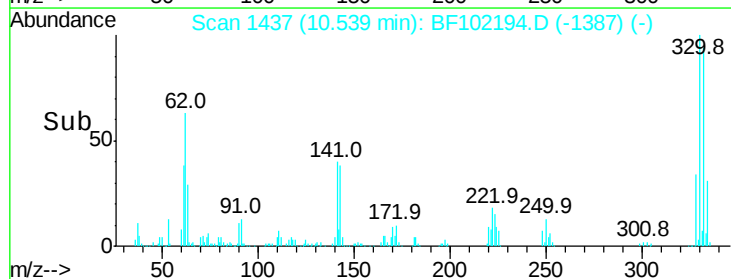
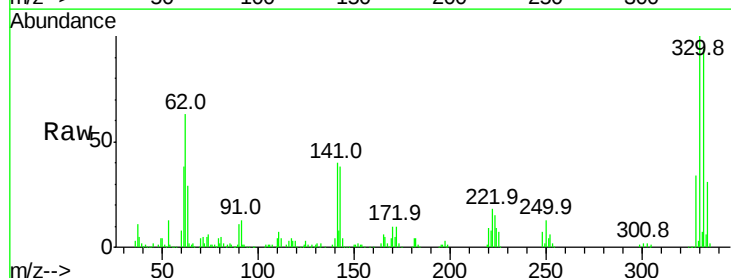
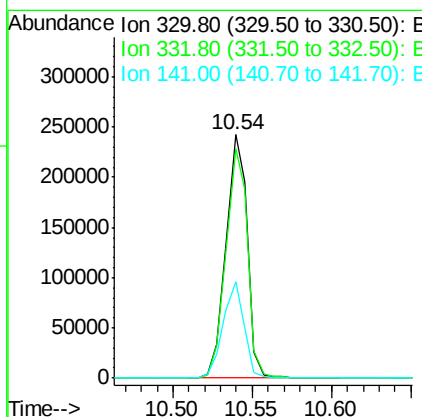
RT: 10.54 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF102194.D

Acq: 18 Jan 2018 16:31

Tgt Ion:	330	Resp:	226405
Ion Ratio	Lower	Upper	
330	100		
332	95.5	77.0	115.6
141	39.2	29.9	44.9





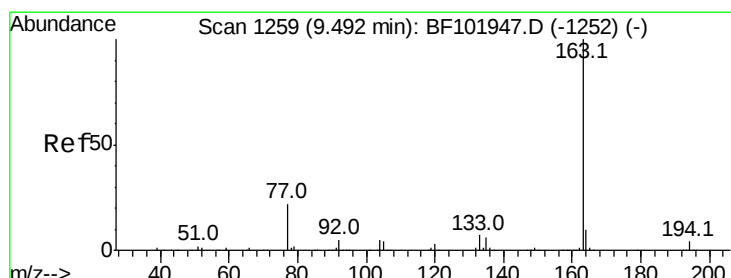
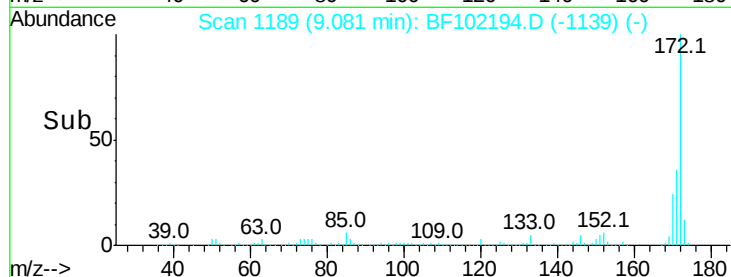
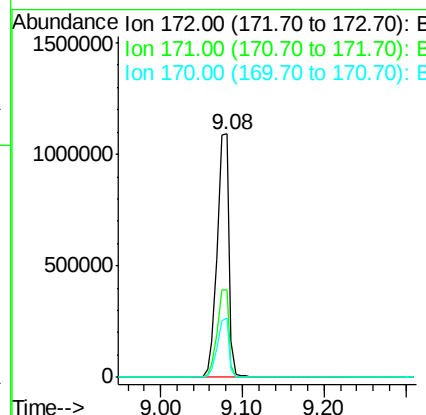
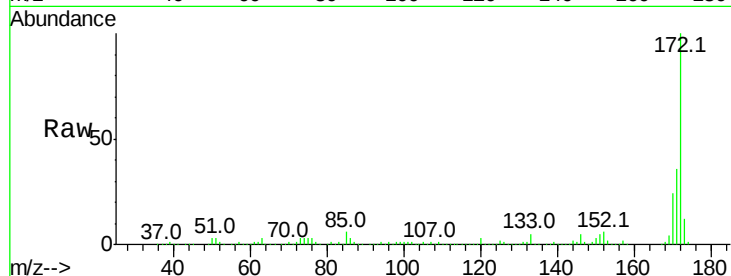
#44
2-Fluorobiphenyl
Concen: 61.522 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF102194.D
Acq: 18 Jan 2018 16:31

Instrument :
BNA_F
ClientSampleId :
SB-44-2.0-2.5

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	24.1	19.6	29.4

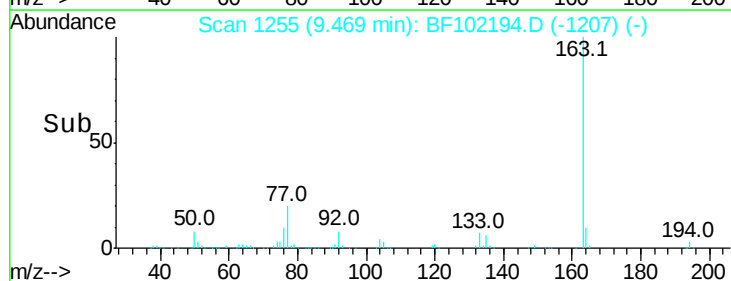
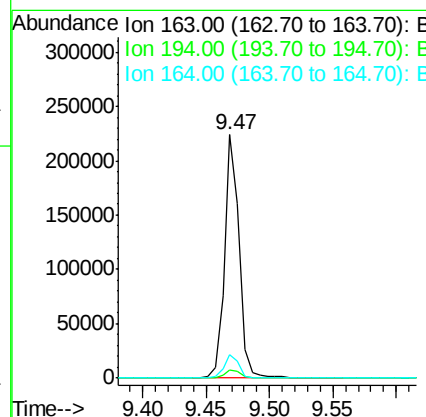
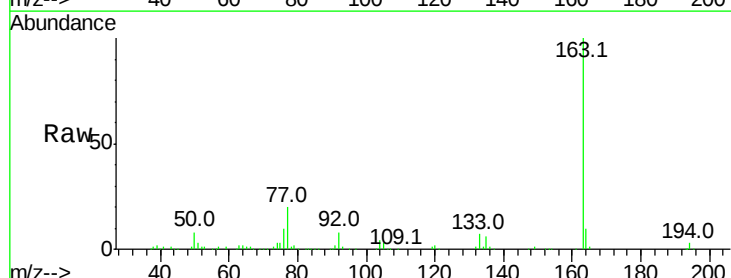
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#49
Dimethylphthalate
Concen: 8.080 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.02 min
Lab File: BF102194.D
Acq: 18 Jan 2018 16:31

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.7	4.1
164	9.8	8.2	12.2





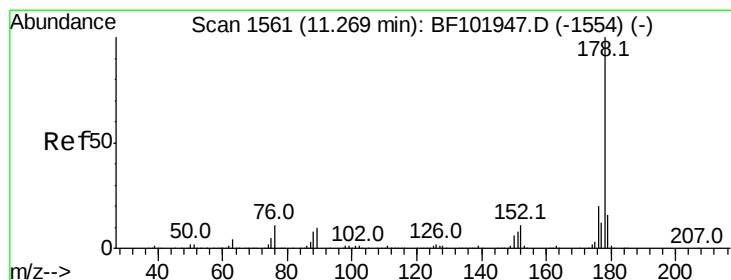
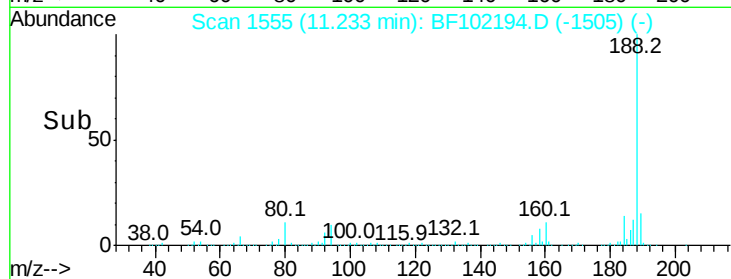
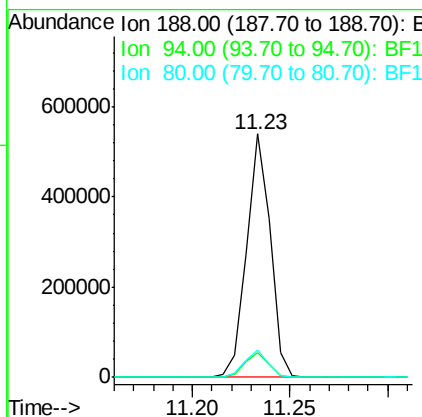
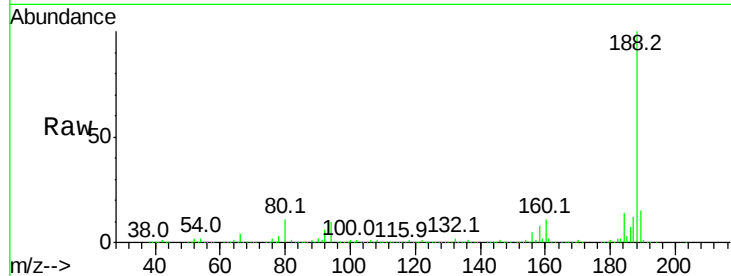
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF102194.D
Acq: 18 Jan 2018 16:31

Instrument :
BNA_F
ClientSampleId :
SB-44-2.0-2.5

Tot Ion	Ratio	Resp	Lower	Upper
188	100	453232		
94	10.0		8.5	12.7
80	11.1		9.2	13.8

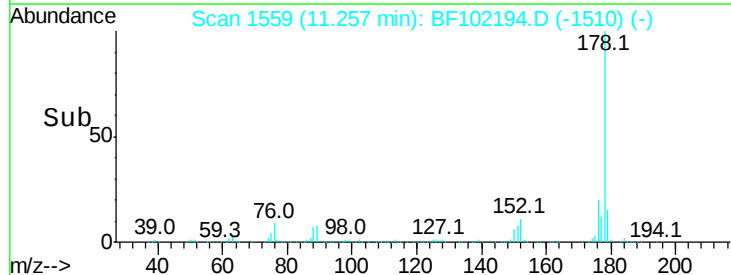
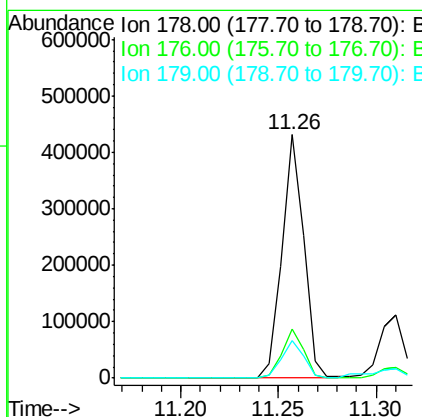
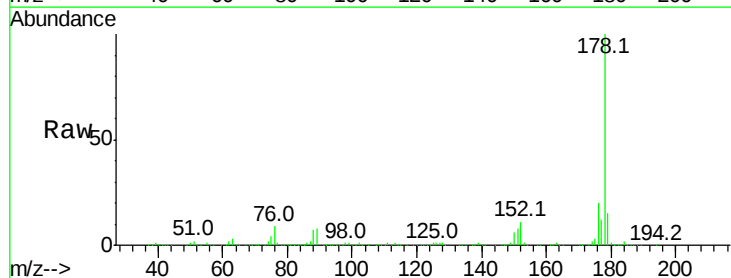
Manual Integrations
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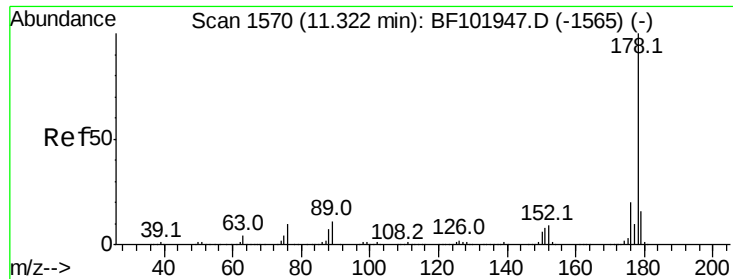
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#70
Phenanthrene
Concen: 12.578 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF102194.D
Acq: 18 Jan 2018 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	332990		
176	19.9		15.8	23.8
179	15.2		13.0	19.6





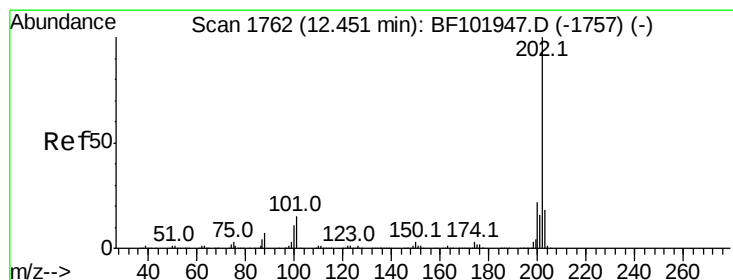
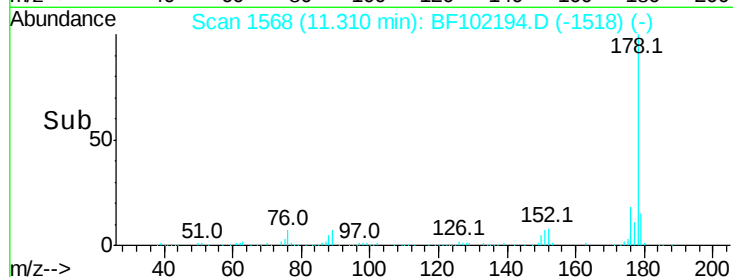
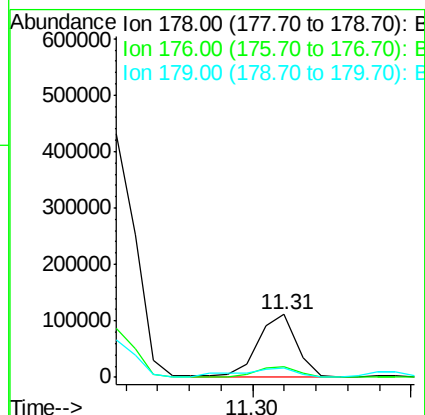
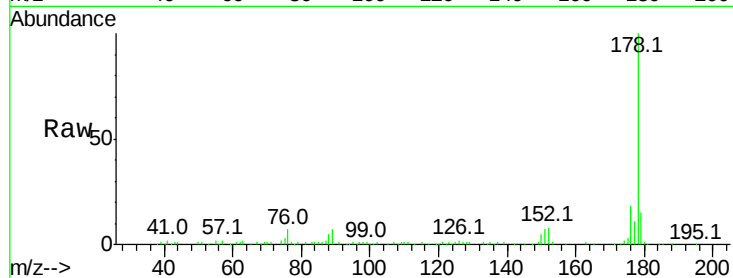
#71
 Anthracene
 Concen: 3.499 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF102194.D
 Acq: 18 Jan 2018 16:31

Instrument :
 BNA_F
 ClientSampleId :
 SB-44-2.0-2.5

Tot Ion:	178	Resp:	93957
Ion	Ratio	Lower	Upper
178	100		
176	17.6	15.4	23.2
179	14.7	12.6	19.0

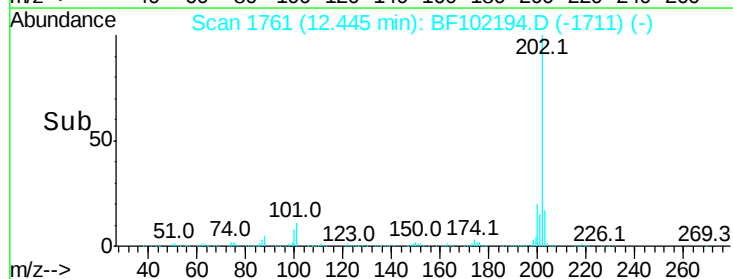
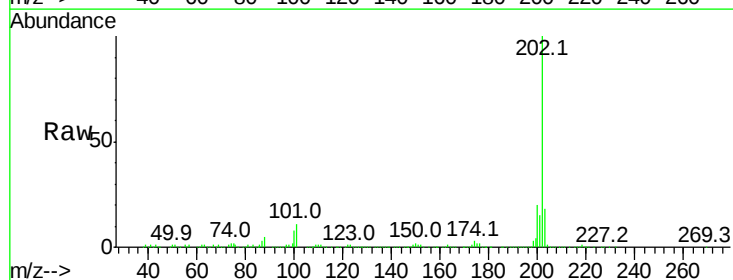
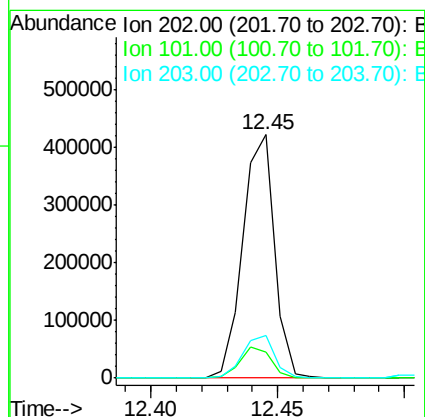
Manual Integrations
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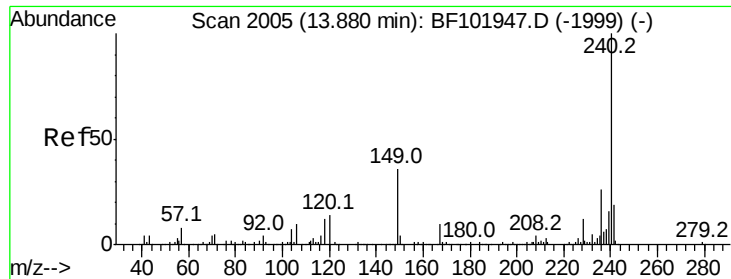
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#74
 Fluoranthene
 Concen: 14.098 ng
 RT: 12.45 min Scan# 1761
 Delta R.T. -0.01 min
 Lab File: BF102194.D
 Acq: 18 Jan 2018 16:31

Tgt Ion:	202	Resp:	367209
Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	34.1
203	17.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF102194.D

Acq: 18 Jan 2018 16:31

Instrument :

BNA_F

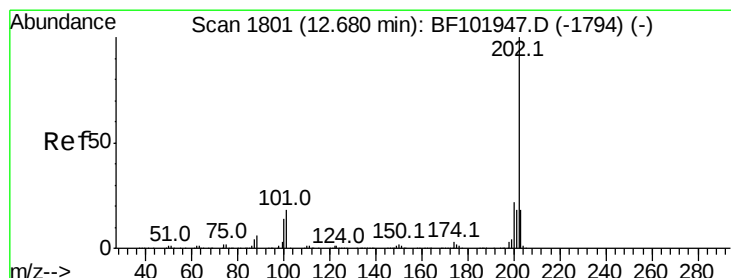
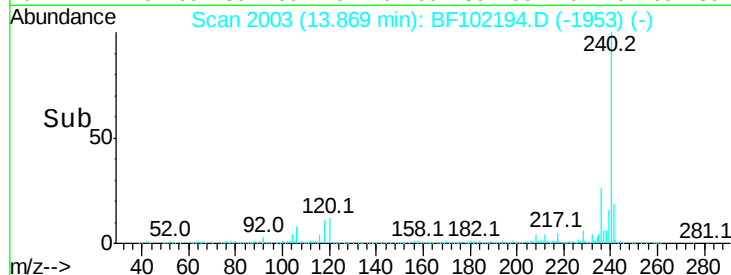
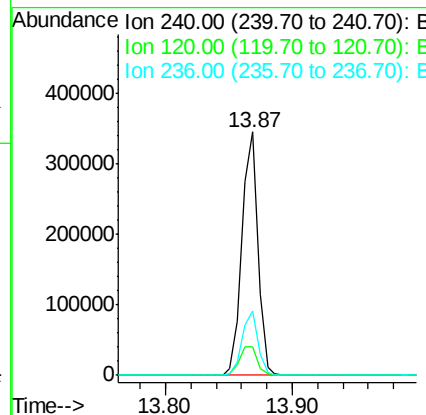
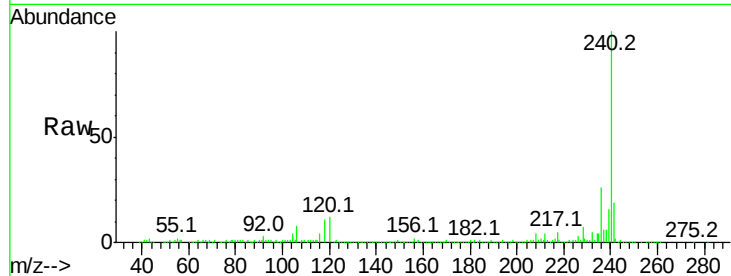
ClientSampleId :

SB-44-2.0-2.5

Tot Ion:	240	Resp:	298590
Ion Ratio	Lower	Upper	
240	100		
120	11.7	9.5	14.3
236	26.4	20.7	31.1

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#77

Pyrene

Concen: 11.700 ng

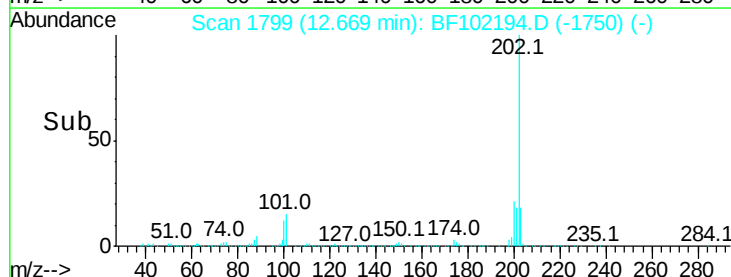
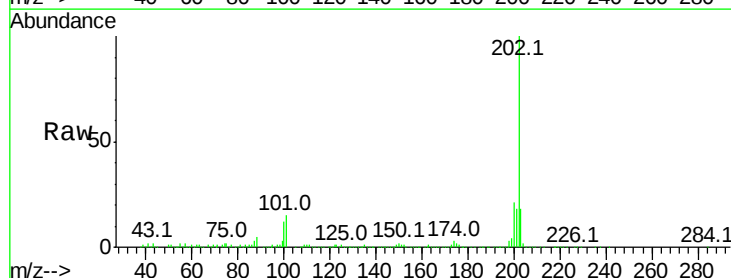
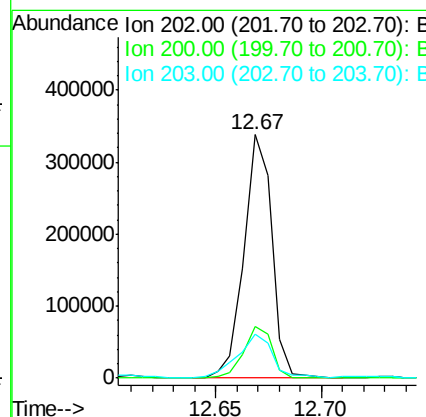
RT: 12.67 min Scan# 1799

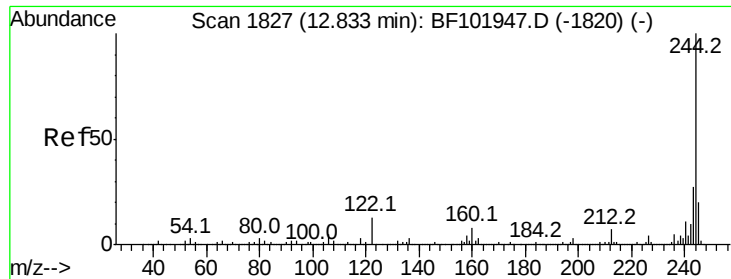
Delta R.T. -0.01 min

Lab File: BF102194.D

Acq: 18 Jan 2018 16:31

Tgt Ion:	202	Resp:	308811
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.4	26.2
203	18.3	14.3	21.5





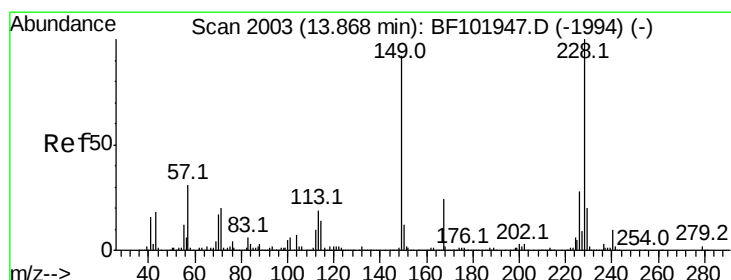
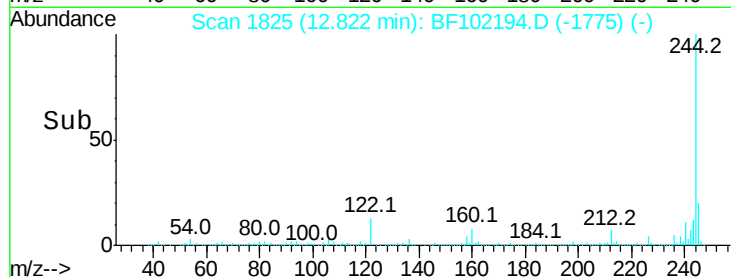
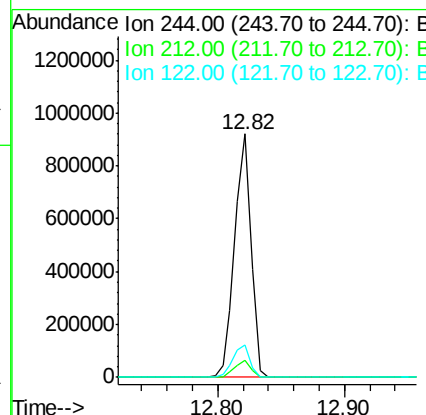
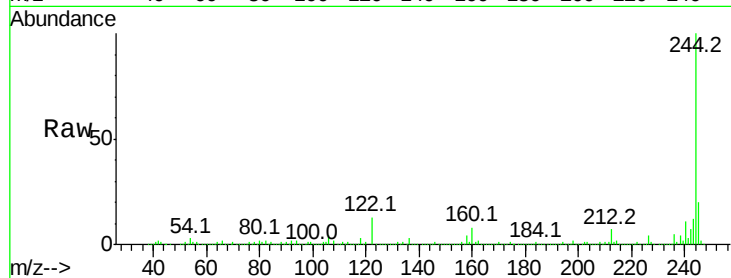
#78
 Terphenyl-d14
 Concen: 57.350 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BF102194.D
 Acq: 18 Jan 2018 16:31

Instrument :
 BNA_F
 ClientSampleId :
 SB-44-2.0-2.5

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	13.2	11.0	16.4

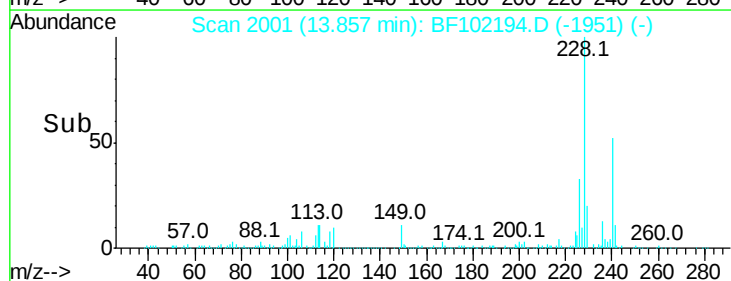
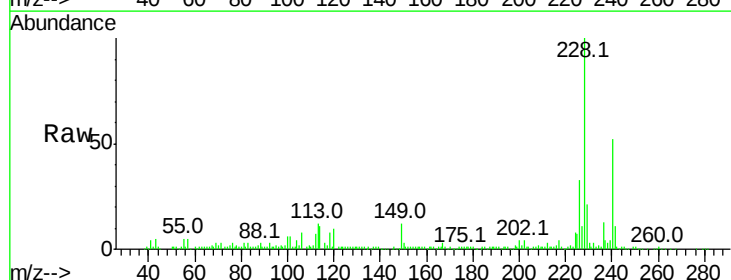
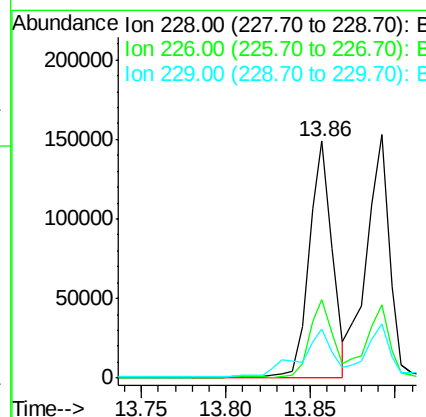
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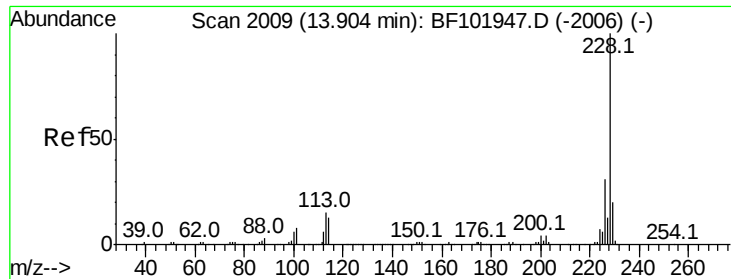
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#80
 Benzo(a)anthracene
 Concen: 7.549 ng
 RT: 13.86 min Scan# 2001
 Delta R.T. -0.01 min
 Lab File: BF102194.D
 Acq: 18 Jan 2018 16:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.3	22.6	33.8
229	20.9	15.8	23.6





#82

Chrysene

Concen: 7.349 ng

RT: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF102194.D

Acq: 18 Jan 2018 16:31

Instrument :

BNA_F

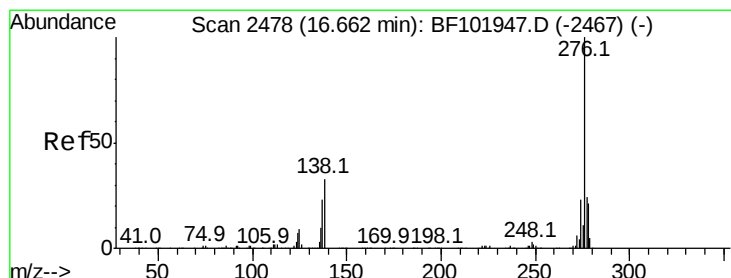
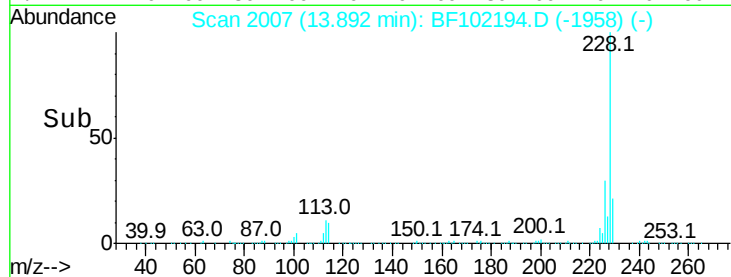
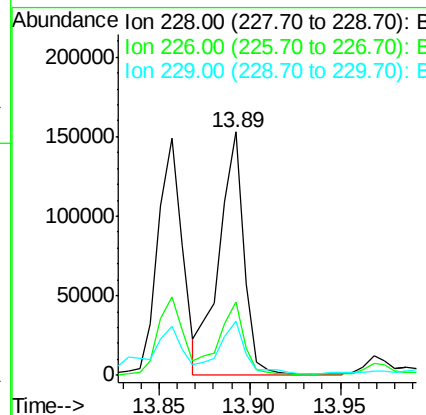
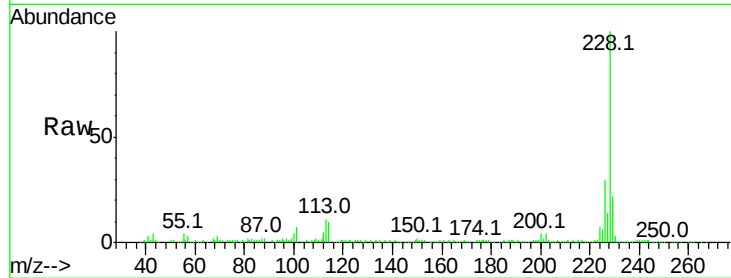
ClientSampleId :

SB-44-2.0-2.5

Tot Ion:	228	Resp:	145984
Ion Ratio	Lower	Upper	
228	100		
226	30.2	25.0	37.6
229	22.2	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 5.876 ng

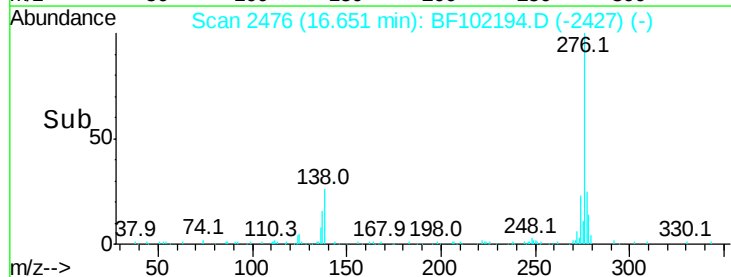
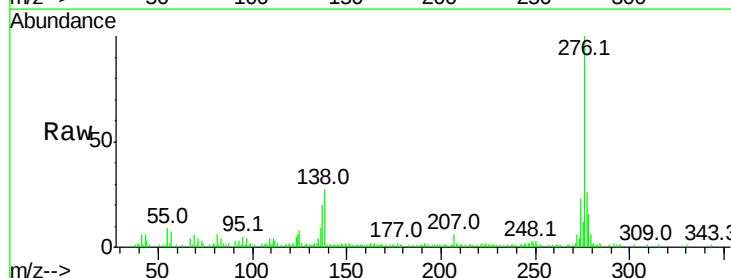
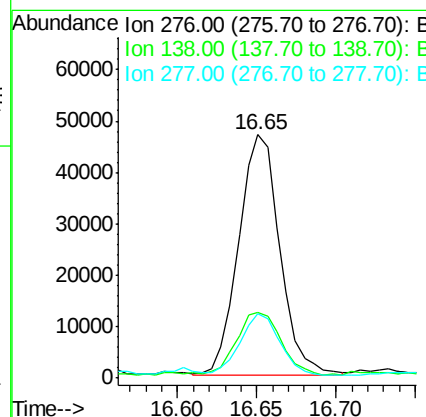
RT: 16.65 min Scan# 2476

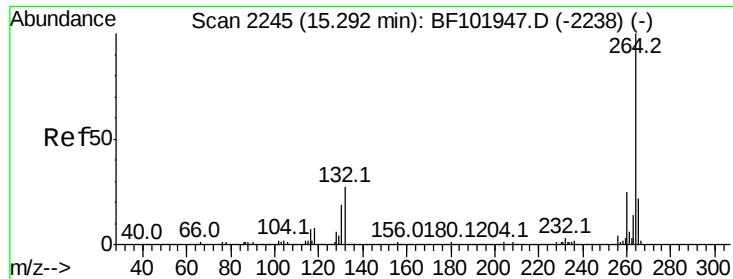
Delta R.T. -0.01 min

Lab File: BF102194.D

Acq: 18 Jan 2018 16:31

Tgt Ion:	276	Resp:	84963
Ion Ratio	Lower	Upper	
276	100		
138	28.6	25.0	37.6
277	25.1	20.1	30.1





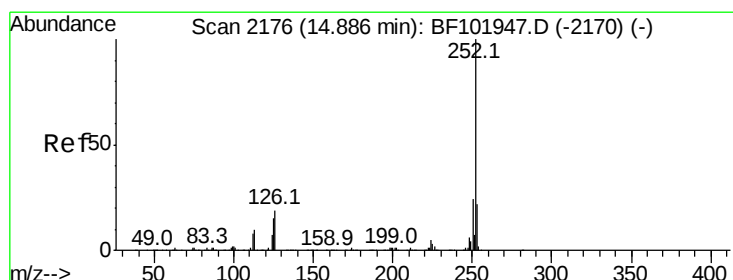
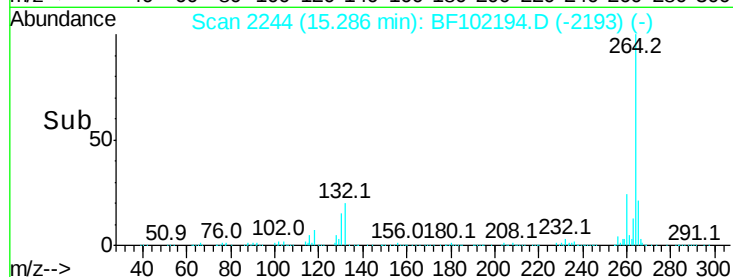
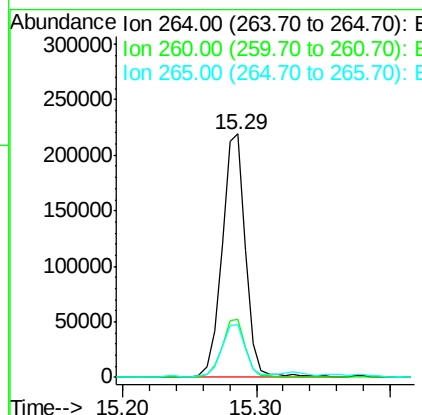
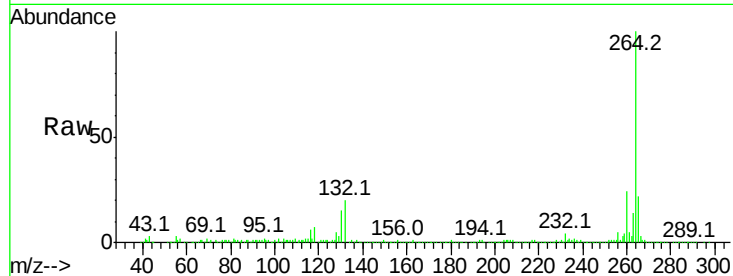
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2244
Delta R.T. 0.00 min
Lab File: BF102194.D
Acq: 18 Jan 2018 16:31

Instrument :
BNA_F
ClientSampleId :
SB-44-2.0-2.5

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.6	17.5	26.3

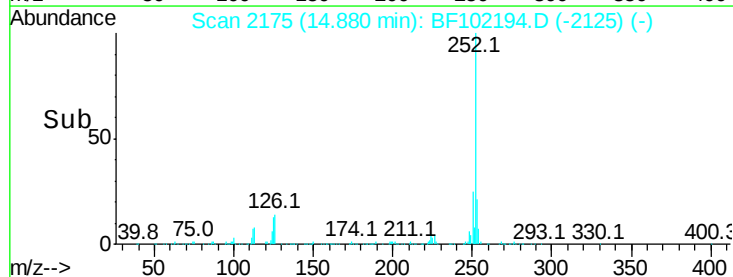
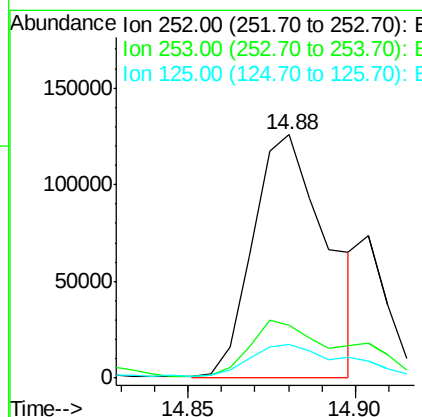
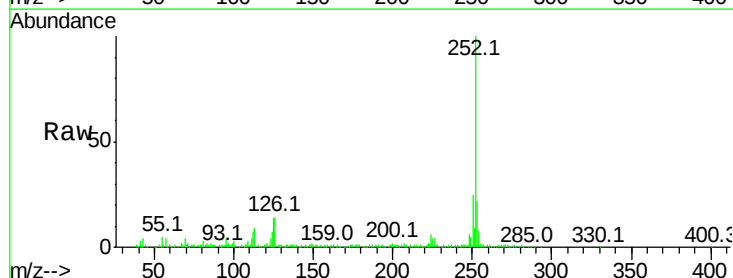
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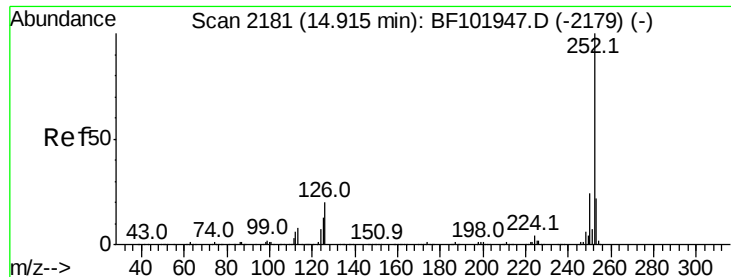
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#87
Benzo(b)fluoranthene
Concen: 11.001 ng m
RT: 14.88 min Scan# 2175
Delta R.T. -0.01 min
Lab File: BF102194.D
Acq: 18 Jan 2018 16:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.0	25.6
125	13.8	9.0	13.6





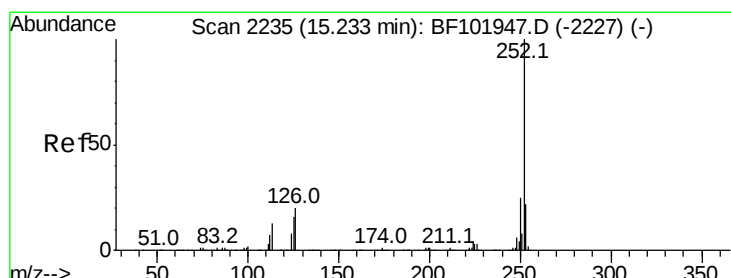
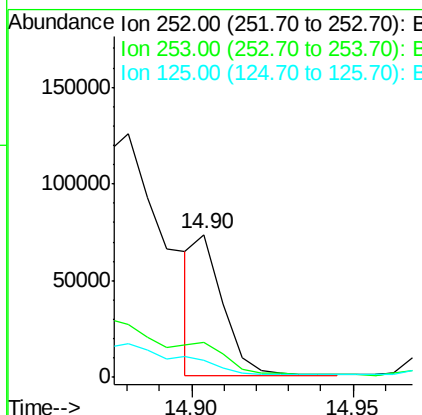
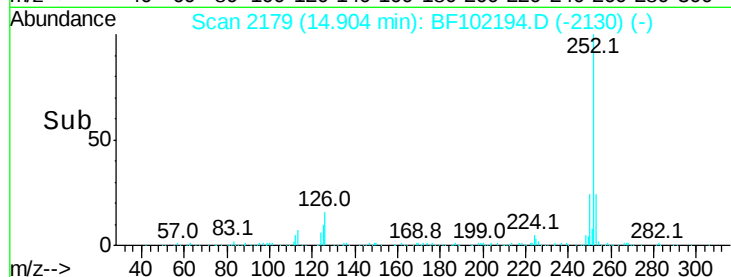
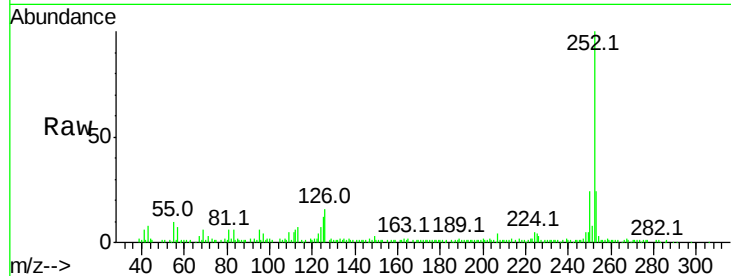
#88
Benzo(k)fluoranthene
Concen: 2.651 ng m
RT: 14.90 min Scan# 2179
Delta R.T. -0.01 min
Lab File: BF102194.D
Acq: 18 Jan 2018 16:31

Instrument :
BNA_F
ClientSampleId :
SB-44-2.0-2.5

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.9	26.9
125	12.0	10.2	15.2

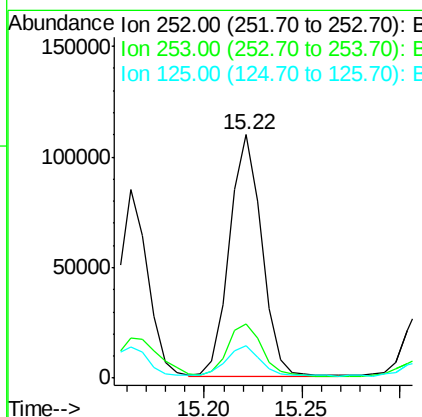
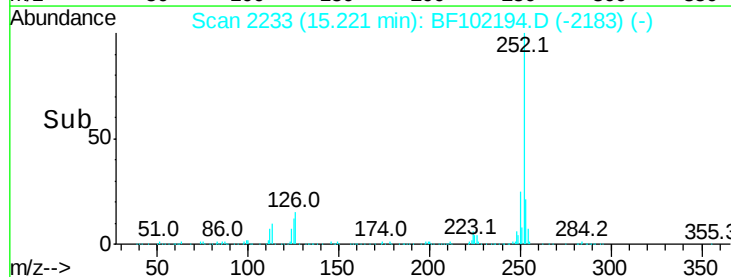
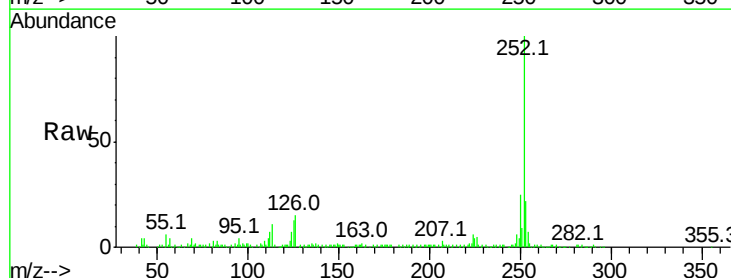
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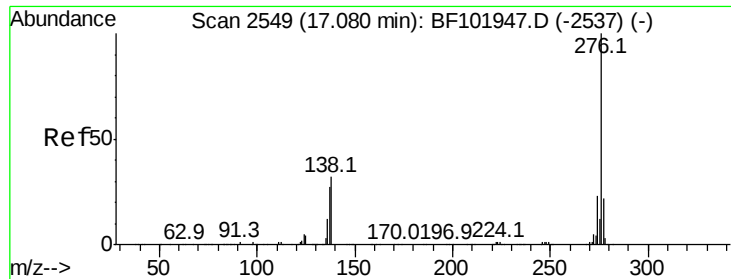
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#89
Benzo(a)pyrene
Concen: 7.943 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF102194.D
Acq: 18 Jan 2018 16:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	13.3	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 6.280 ng
 RT: 17.07 min Scan# 2547
 Delta R.T. -0.01 min
 Lab File: BF102194.D
 Acq: 18 Jan 2018 16:31

Instrument :
 BNA_F
 ClientSampleId :
 SB-44-2.0-2.5

Tot Ion:	276	Resp:	79591
Ion Ratio	Lower	Upper	
276	100		
277	22.2	17.9	26.9
138	27.2	21.8	32.8

Manual Integrations
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