

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010418\
 Data File : BF101911.D
 Acq On : 5 Jan 2018 3:20
 Operator : SJ/JU
 Sample : J1004-14
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-14-COMP

Manual Integrations
 APPROVED

Sohil
 1/5/2018 10:29:58 AM

Quant Time: Jan 05 05:50:51 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 04 14:22:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	110861	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	374903	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	133125	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	255731	20.00	ng	0.00
75) Chrysene-d12	13.96	240	275413	20.00	ng	0.00
86) Perylene-d12	15.43	264	189607	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	835053	112.20	ng	0.00
7) Phenol-d6	6.42	99	930266	100.43	ng	0.00
23) Nitrobenzene-d5	7.35	82	562961	83.59	ng	0.00
41) 2,4,6-Tribromophenol	10.61	330	116743	91.01	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	630089	73.42	ng	0.00
78) Terphenyl-d14	12.89	244	607955	53.22	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.53	163	60483	5.648	ng	97
70) Phenanthrene	11.33	178	161739	11.373	ng	99
71) Anthracene	11.39	178	39131m	2.694	ng	
74) Fluoranthene	12.53	202	295626	19.804	ng	97
77) Pyrene	12.76	202	287295	13.899	ng	99
80) Benzo(a)anthracene	13.95	228	157511	8.661	ng	94
82) Chrysene	13.99	228	149347	8.698	ng	99
85) Indeno(1,2,3-cd)pyrene	16.93	276	44264	2.895	ng	# 93
87) Benzo(b)fluoranthene	15.00	252	135650m	11.737	ng	
88) Benzo(k)fluoranthene	15.03	252	35748m	3.181	ng	
89) Benzo(a)pyrene	15.37	252	84443	7.926	ng	# 93
91) Benzo(a,h,i)perylene	17.39	276	42950	4.742	ng	# 92

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

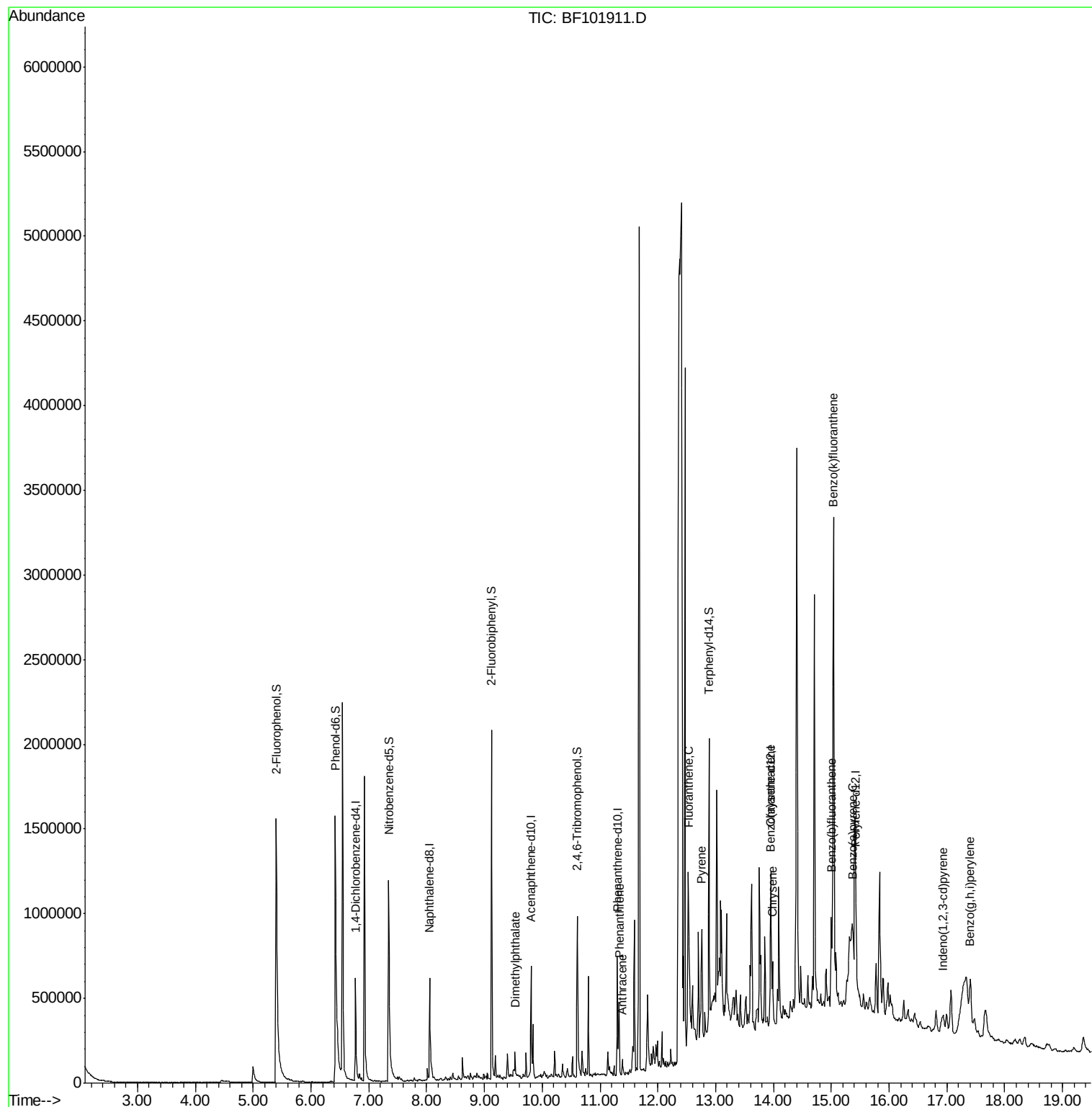
Data Path : Z:\HPCHEM1\BNA F\DATA\BF010418\
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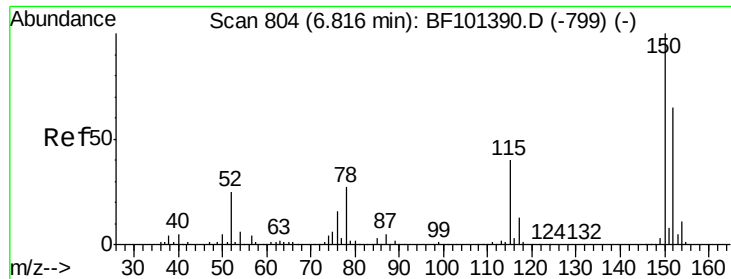
Instrument :
BNA_F
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SB-14-COMP

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Quant Time: Jan 05 05:50:51 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
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#1

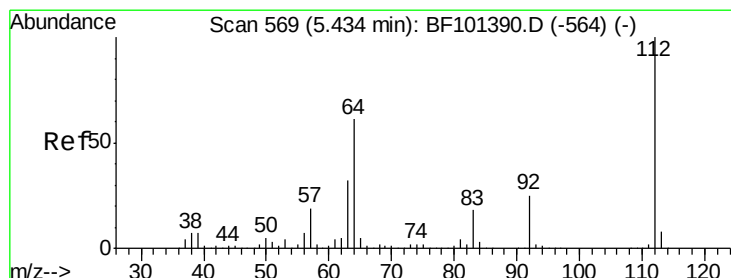
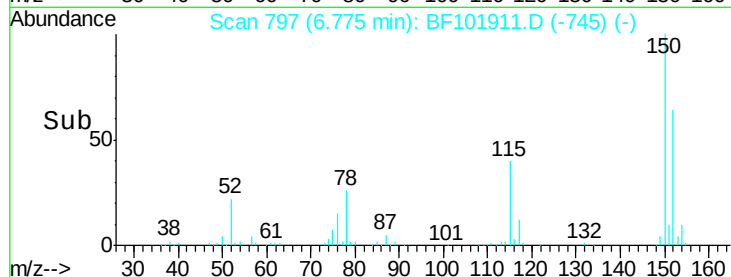
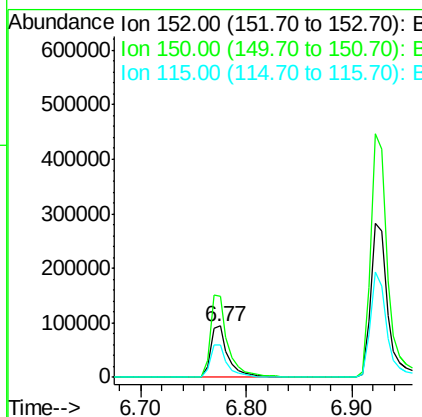
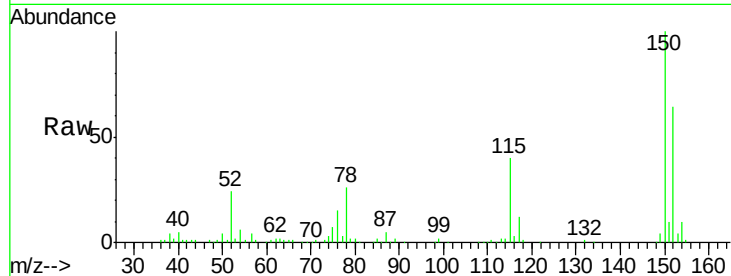
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 797
Delta R.T. 0.01 min
Lab File: BF101911.D
Acq: 5 Jan 2018 3:20

Instrument :
BNA_F
ClientSampleId :
SB-14-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	124.6	186.8
115	62.2	50.1	75.1

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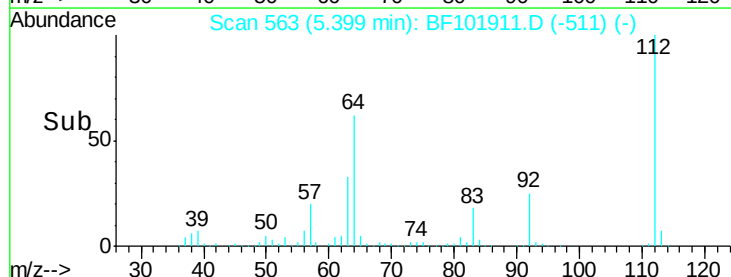
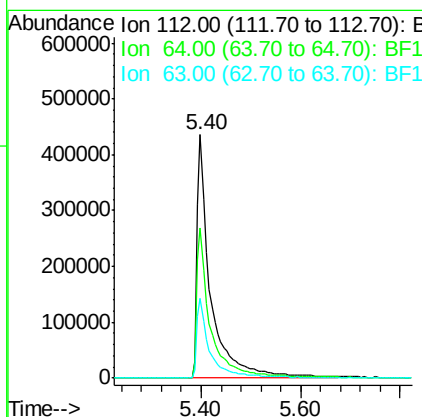
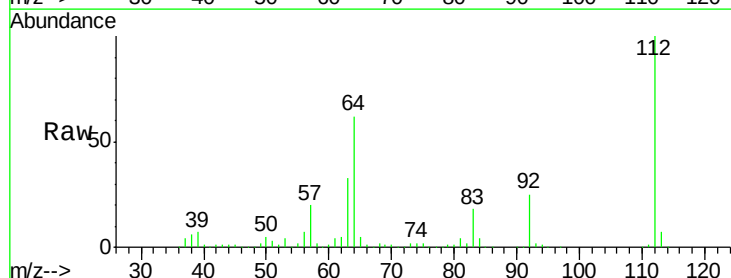
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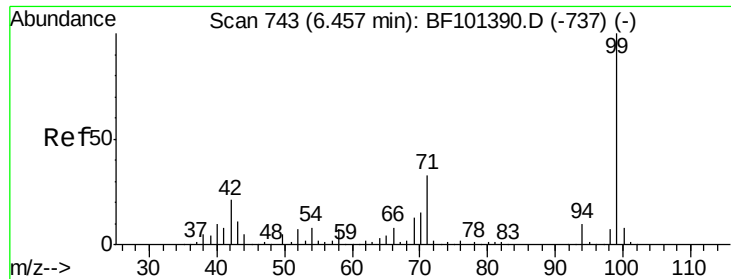


#5

2-Fluorophenol
Concen: 112.202 ng
RT: 5.40 min Scan# 563
Delta R.T. 0.01 min
Lab File: BF101911.D
Acq: 5 Jan 2018 3:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.9	47.9	71.9
63	33.0	23.7	35.5





#7

Phenol-d6

Concen: 100.435 ng

RT: 6.42 min Scan# 737

Delta R.T. 0.00 min

Lab File: BF101911.D

Acq: 5 Jan 2018 3:20

Instrument :

BNA_F

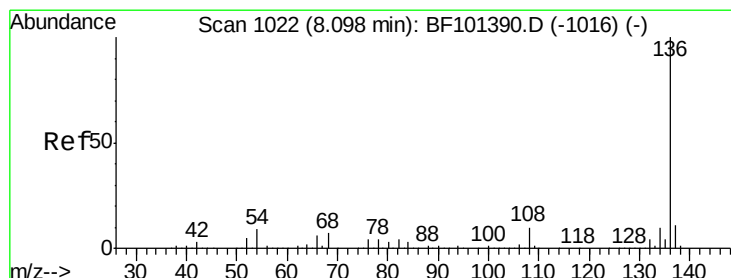
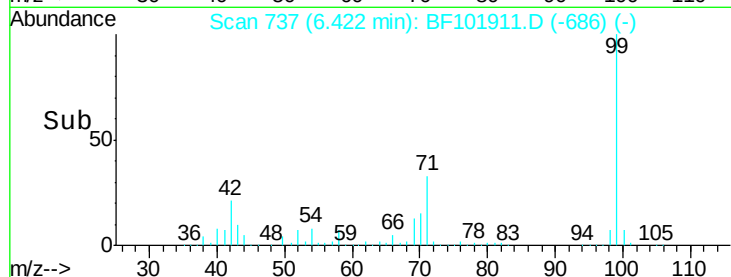
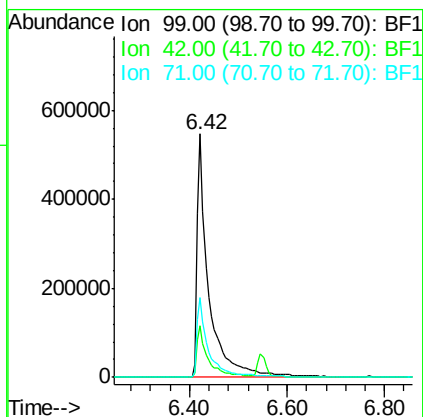
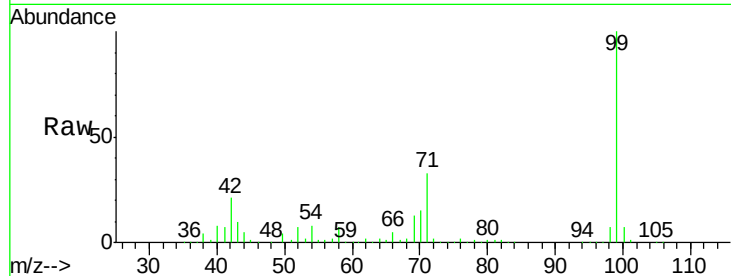
ClientSampleId :

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		930266		
42	21.2	14.5	21.7		
71	32.6	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

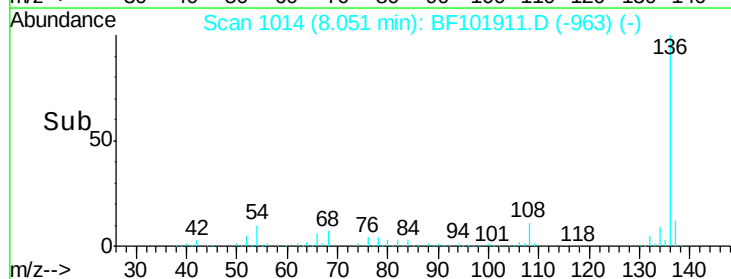
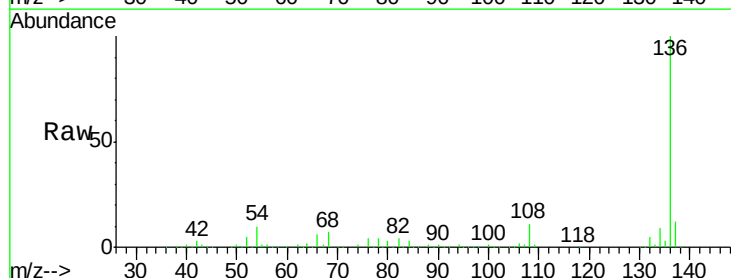
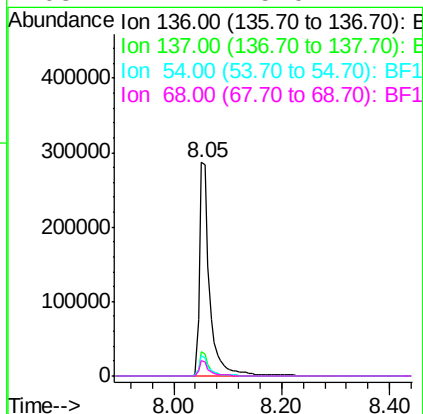
RT: 8.05 min Scan# 1014

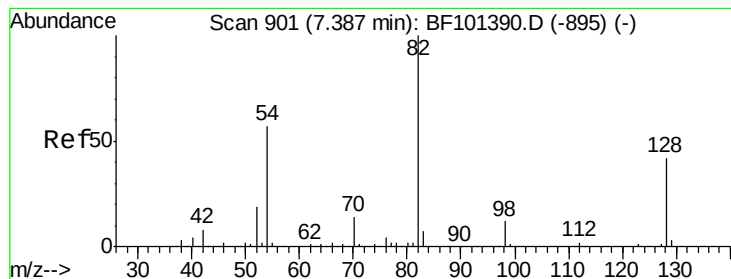
Delta R.T. 0.00 min

Lab File: BF101911.D

Acq: 5 Jan 2018 3:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		374903		
137	11.6	8.9	13.3		
54	9.8	6.6	9.8#		
68	7.4	5.0	7.4		





#23

Nitrobenzene-d5

Concen: 83.589 ng

RT: 7.35 min Scan# 894

Delta R.T. 0.00 min

Lab File: BF101911.D

Acq: 5 Jan 2018 3:20

Instrument :

BNA_F

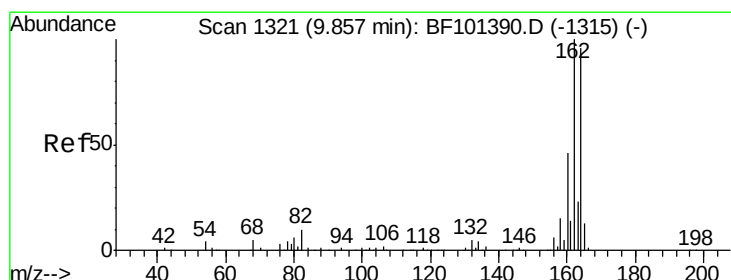
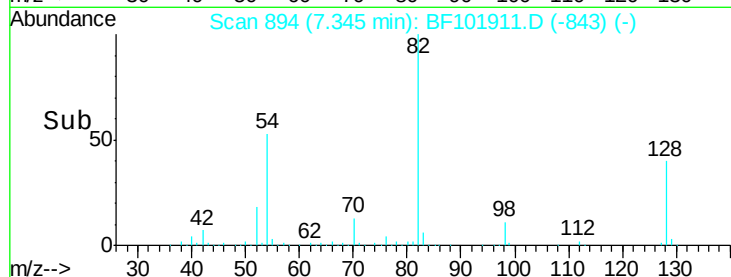
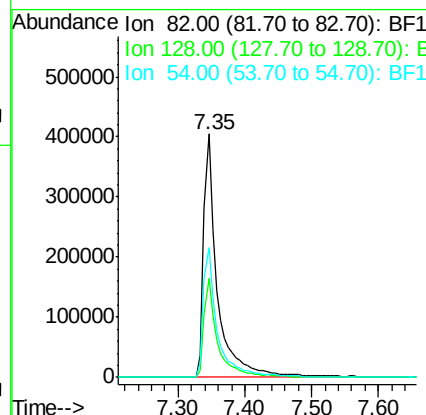
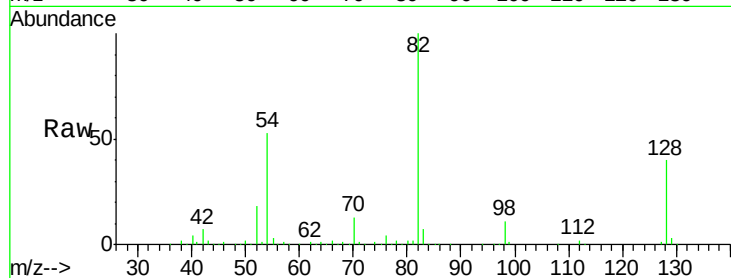
ClientSampled :

SB-14-COMP

Tot Ion:	82	Resp:	562961
Ion Ratio	Lower	Upper	
82	100		
128	40.5	36.1	54.1
54	53.3	41.4	62.2

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#38

Acenaphthene-d10

Concen: 20.000 ng

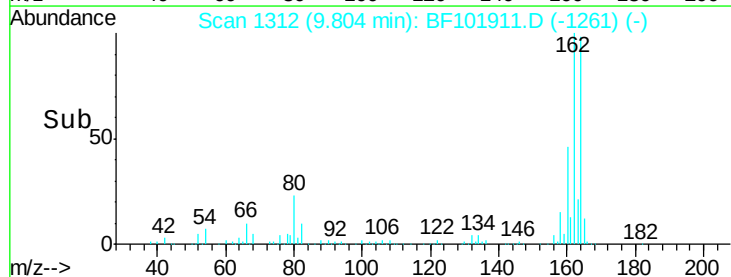
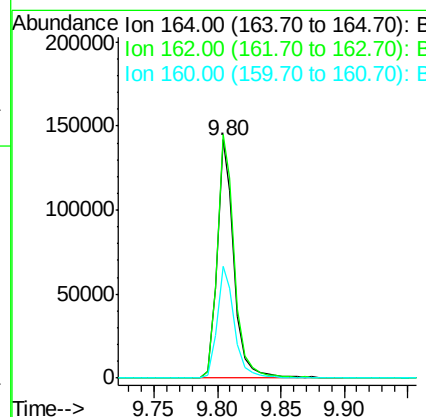
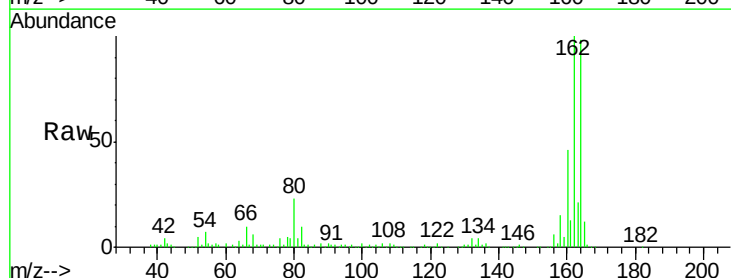
RT: 9.80 min Scan# 1312

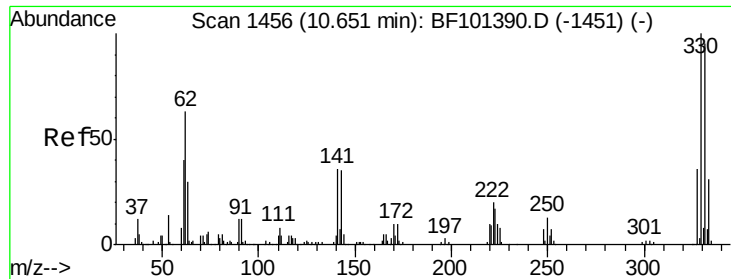
Delta R.T. 0.00 min

Lab File: BF101911.D

Acq: 5 Jan 2018 3:20

Tgt Ion:	164	Resp:	133125
Ion Ratio	Lower	Upper	
164	100		
162	102.2	86.1	129.1
160	46.8	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 91.009 ng

RT: 10.61 min Scan# 1449

Delta R.T. 0.01 min

Lab File: BF101911.D

Acq: 5 Jan 2018 3:20

Instrument :

BNA_F

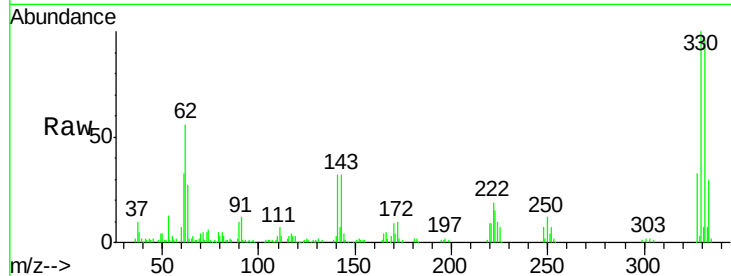
ClientSampled :

SB-14-COMP

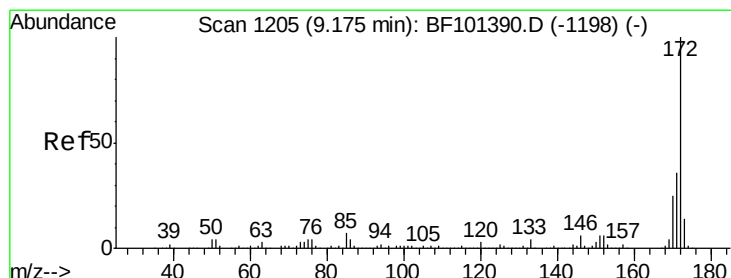
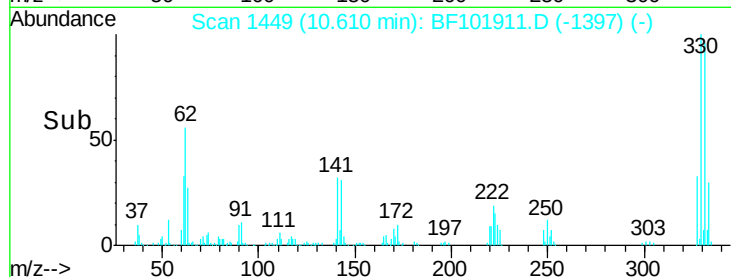
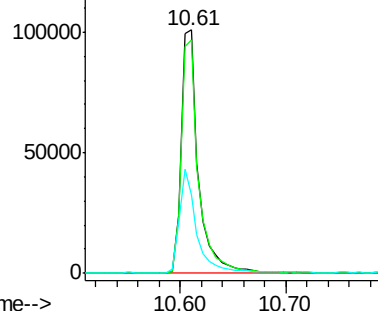
Tot Ion:	330	Resp:	116743
Ion Ratio	Lower	Upper	
330	100		
332	96.7	77.0	115.6
141	42.4	29.9	44.9

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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: 73.421 ng

RT: 9.12 min Scan# 1196

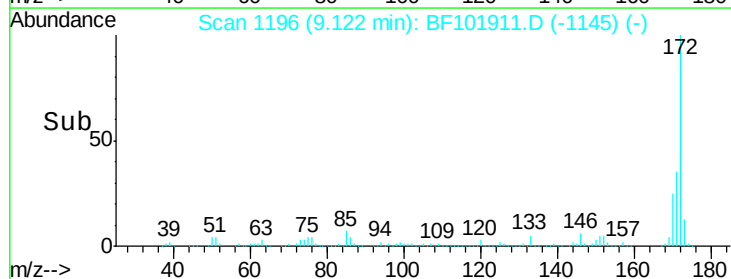
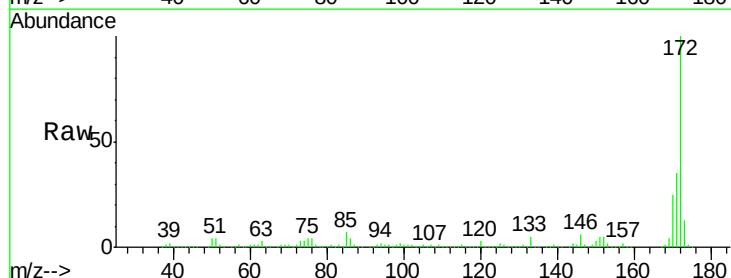
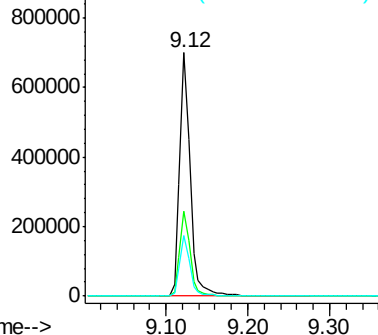
Delta R.T. 0.00 min

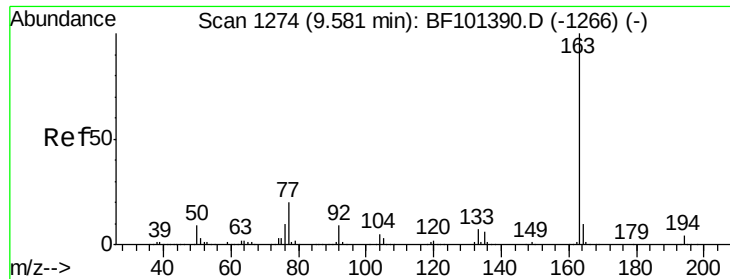
Lab File: BF101911.D

Acq: 5 Jan 2018 3:20

Tgt Ion:	172	Resp:	630089
Ion Ratio	Lower	Upper	
172	100		
171	34.8	29.7	44.5
170	24.6	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





#49

Dimethylphthalate

Concen: 5.648 ng

RT: 9.53 min Scan# 1265

Delta R.T. 0.00 min

Lab File: BF101911.D

Acq: 5 Jan 2018 3:20

Instrument :

BNA_F

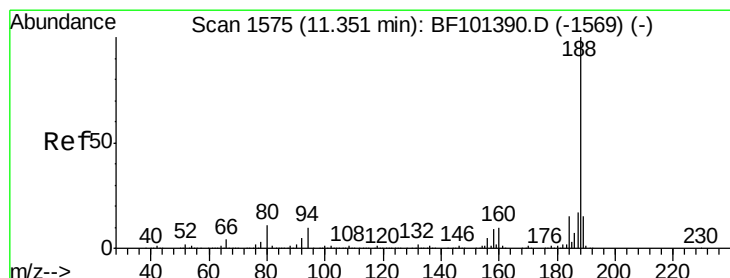
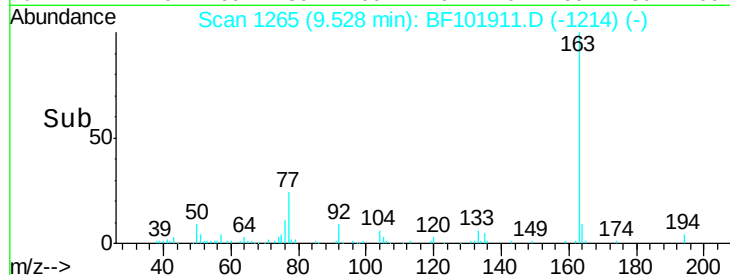
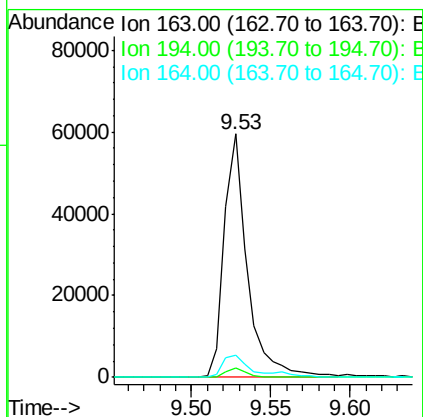
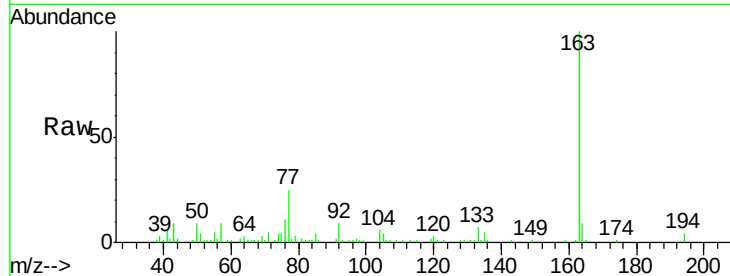
ClientSampleId :

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Tot Ion:	163	Resp:	60483
Ion Ratio	Lower	Upper	
163	100		
194	3.6	2.7	4.1
164	9.0	8.2	12.2

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#63

Phenanthrene-d10

Concen: 20.000 ng

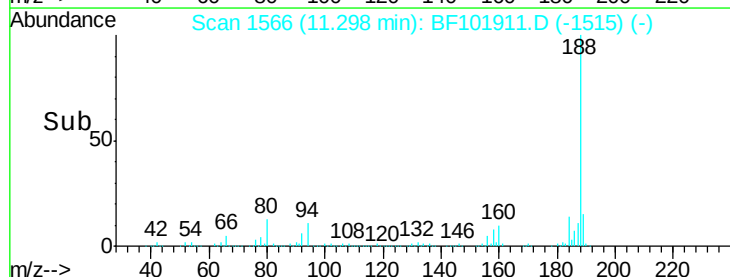
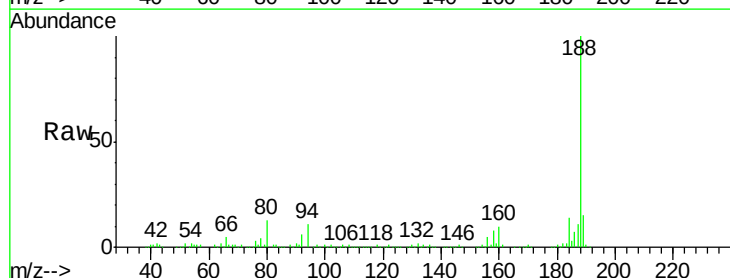
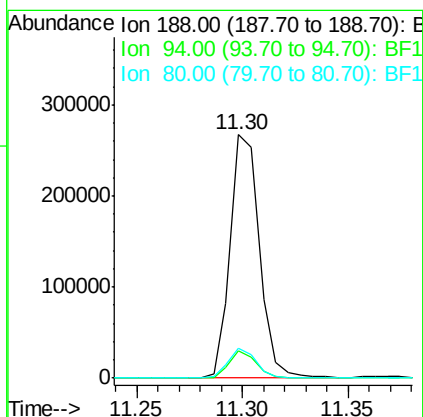
RT: 11.30 min Scan# 1566

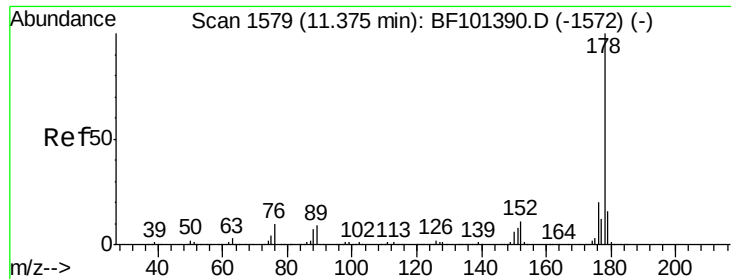
Delta R.T. 0.00 min

Lab File: BF101911.D

Acq: 5 Jan 2018 3:20

Tgt Ion:	188	Resp:	255731
Ion Ratio	Lower	Upper	
188	100		
94	11.4	8.5	12.7
80	12.5	9.2	13.8





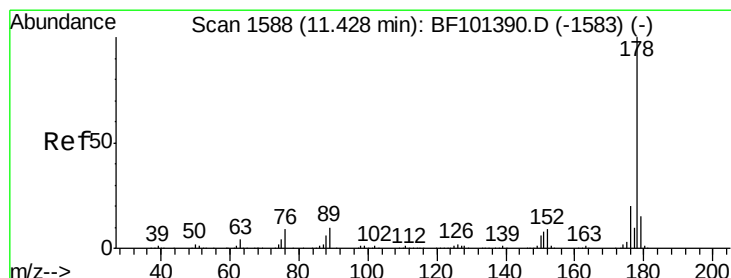
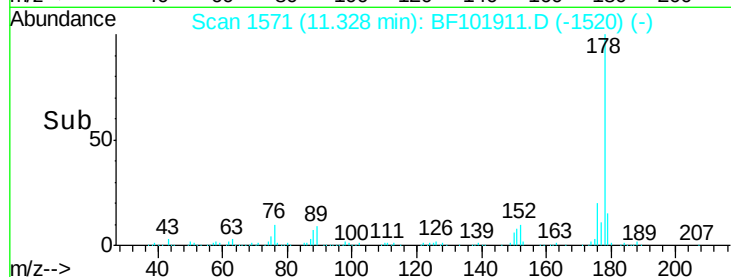
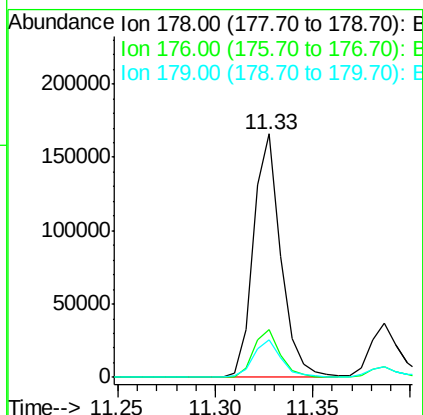
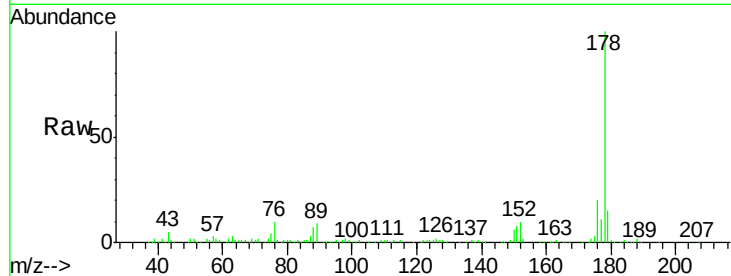
#70
Phenanthrene
Concen: 11.373 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BF101911.D
Acq: 5 Jan 2018 3:20

Instrument :
BNA_F
ClientSampleId :
SB-14-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	15.4	13.0	19.6

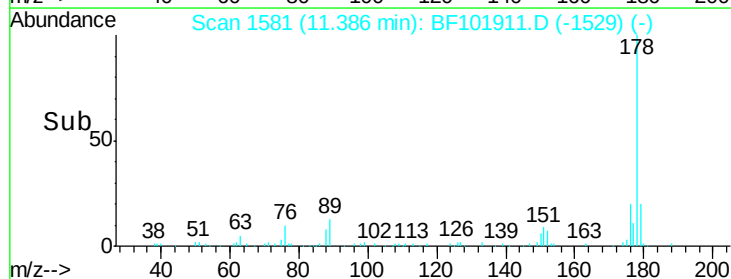
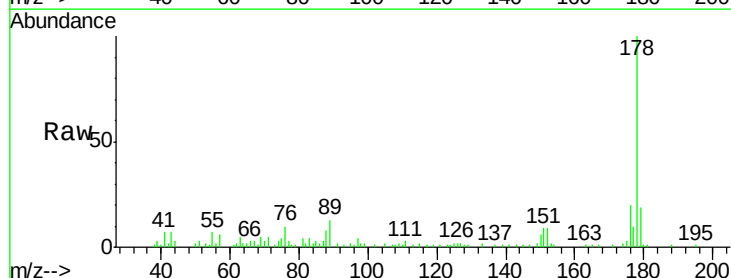
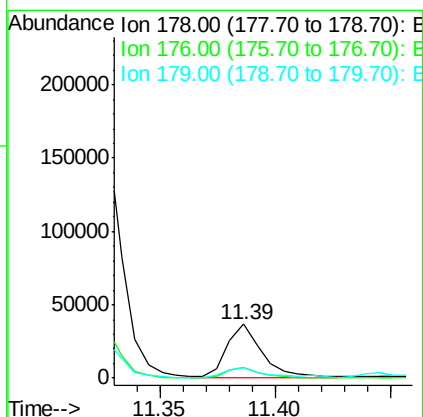
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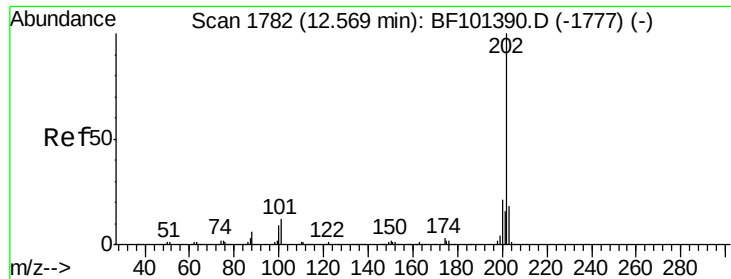
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#71
Anthracene
Concen: 2.694 ng m
RT: 11.39 min Scan# 1581
Delta R.T. 0.01 min
Lab File: BF101911.D
Acq: 5 Jan 2018 3:20

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.2
179	19.2	12.6	19.0





#74

Fluoranthene

Concen: 19.804 ng

RT: 12.53 min Scan# 1775

Delta R.T. 0.01 min

Lab File: BF101911.D

Acq: 5 Jan 2018 3:20

Instrument :

BNA_F

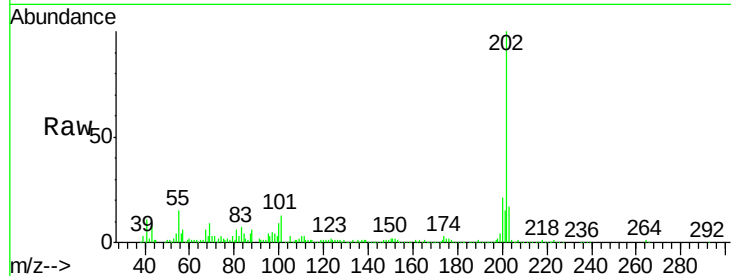
ClientSampleId :

SB-14-COMP

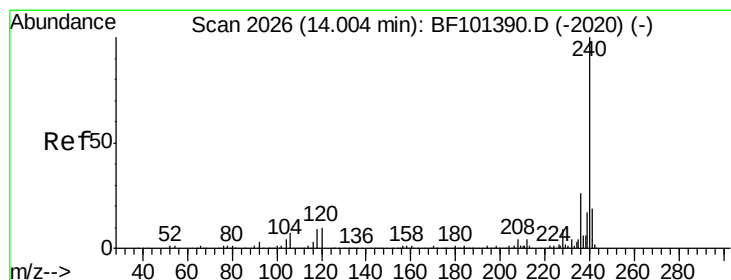
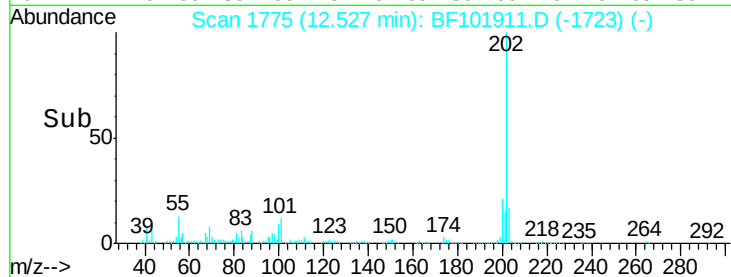
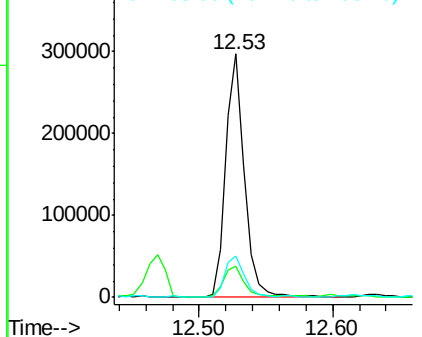
Tot Ion:	202	Resp:	295626
Ion Ratio		Lower	Upper
202	100		
101	12.6	0.0	34.1
203	17.2	0.0	38.1

Manual Integrations
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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: 13.96 min Scan# 2018

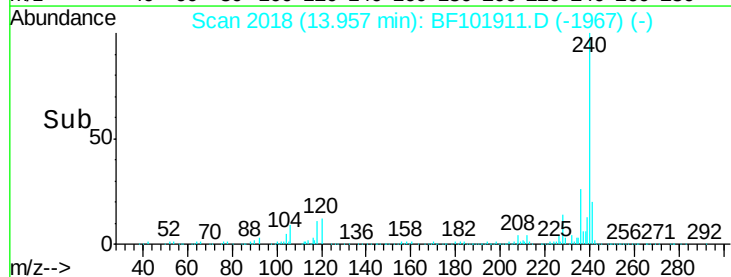
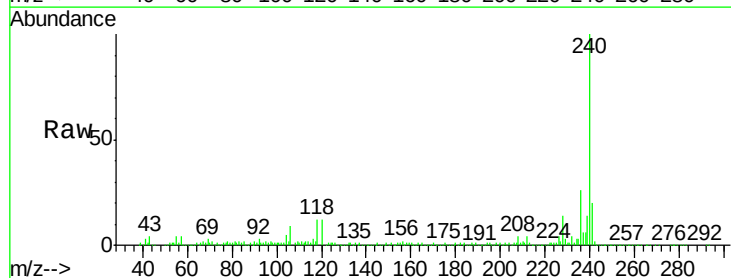
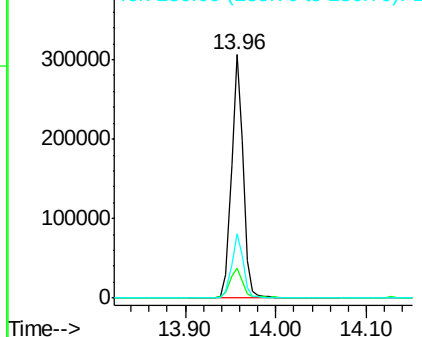
Delta R.T. 0.00 min

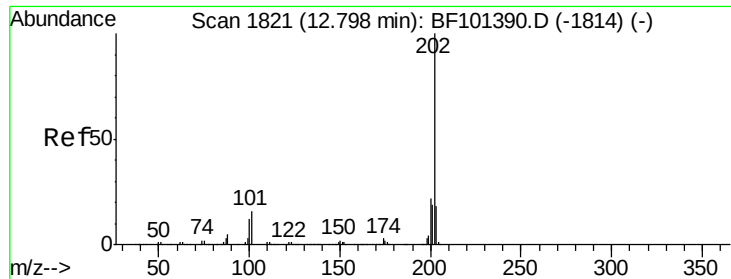
Lab File: BF101911.D

Acq: 5 Jan 2018 3:20

Tgt Ion:	240	Resp:	275413
Ion Ratio		Lower	Upper
240	100		
120	12.3	9.5	14.3
236	26.4	20.7	31.1

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





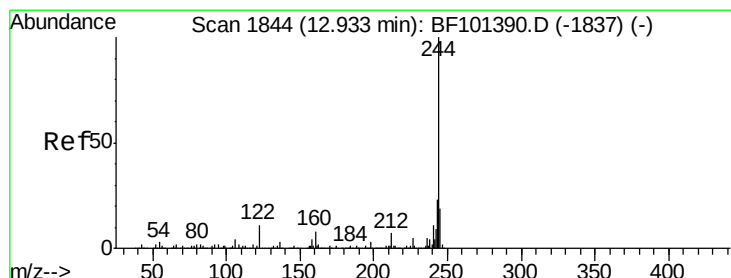
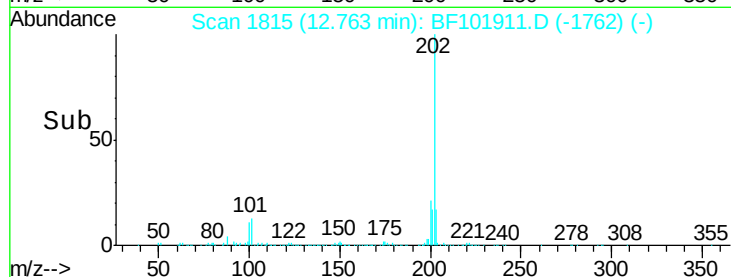
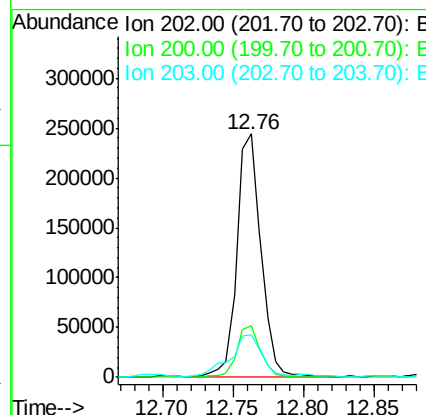
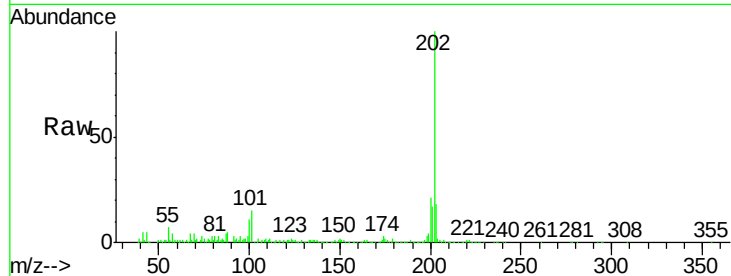
#77
Pvrene
Concen: 13.899 ng
RT: 12.76 min Scan# 1815
Delta R.T. 0.01 min
Lab File: BF101911.D
Acq: 5 Jan 2018 3:20

Instrument :
BNA_F
ClientSampleId :
SB-14-COMP

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.0	17.4	26.2
203	17.7	14.3	21.5

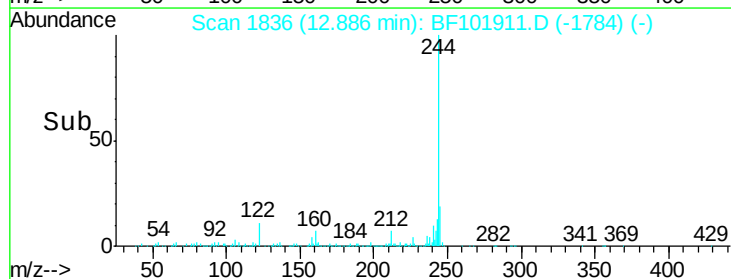
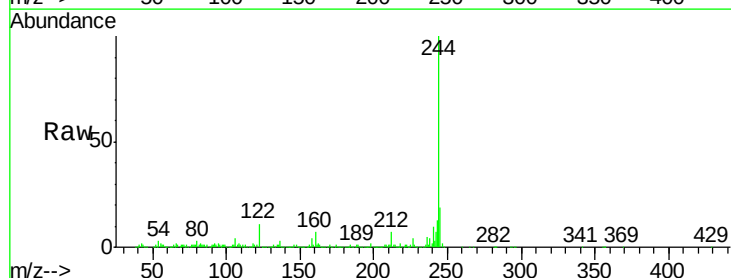
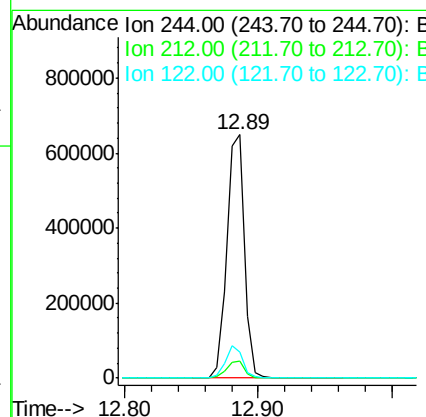
Manual Integrations
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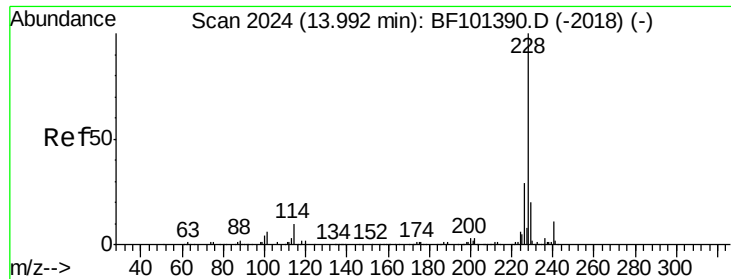
Sohil
1/5/2018 10:29:58 AM



#78
Terphenyl-d14
Concen: 53.216 ng
RT: 12.89 min Scan# 1836
Delta R.T. 0.01 min
Lab File: BF101911.D
Acq: 5 Jan 2018 3:20

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.0	5.4	8.0
122	10.9	11.0	16.4#





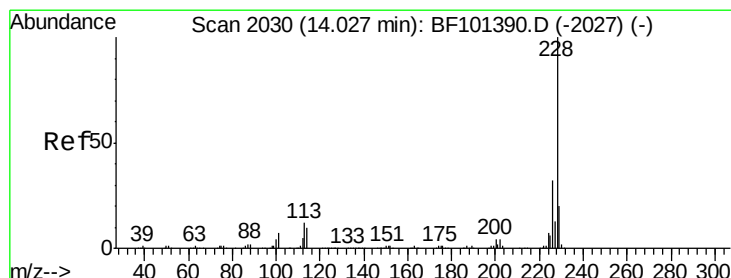
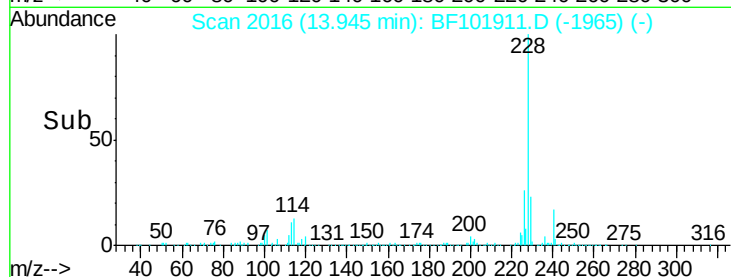
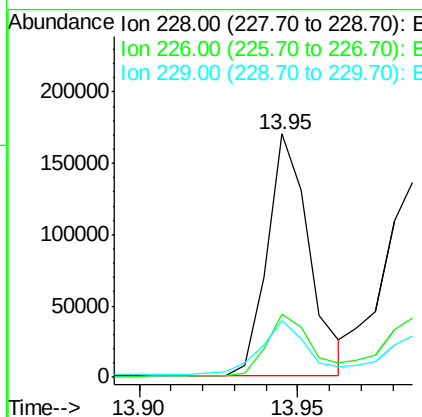
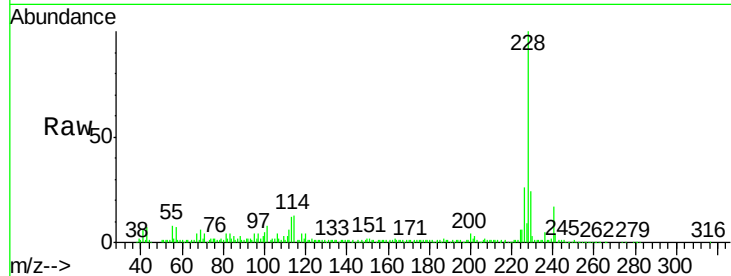
#80
Benzo(a)anthracene
Concen: 8.661 ng
RT: 13.95 min Scan# 2016
Delta R.T. 0.00 min
Lab File: BF101911.D
Acq: 5 Jan 2018 3:20

Instrument :
BNA_F
ClientSampleId :
SB-14-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.1	22.6	33.8
229	23.5	15.8	23.6

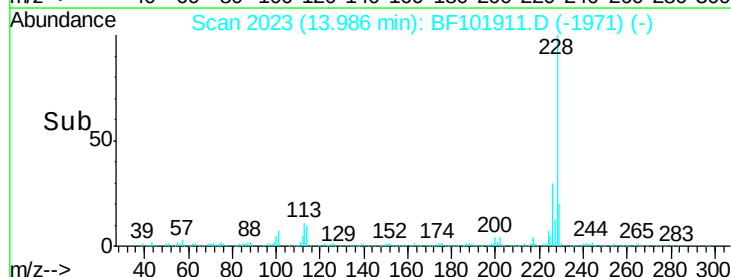
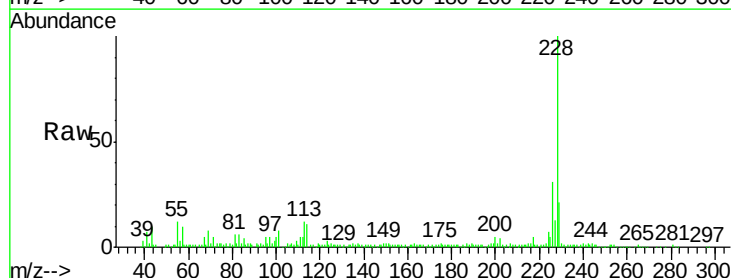
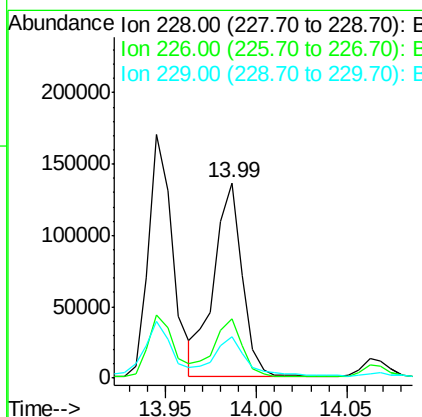
Manual Integrations
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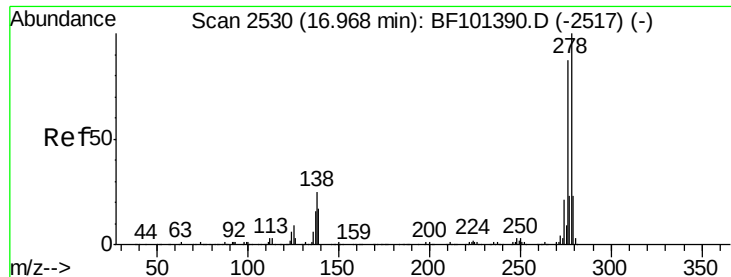
Sohil
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#82
Chrysene
Concen: 8.698 ng
RT: 13.99 min Scan# 2023
Delta R.T. 0.01 min
Lab File: BF101911.D
Acq: 5 Jan 2018 3:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	21.1	16.2	24.4





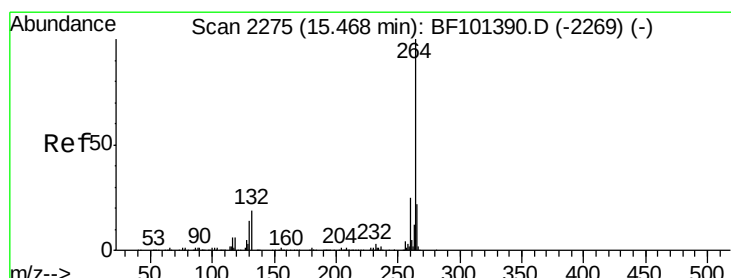
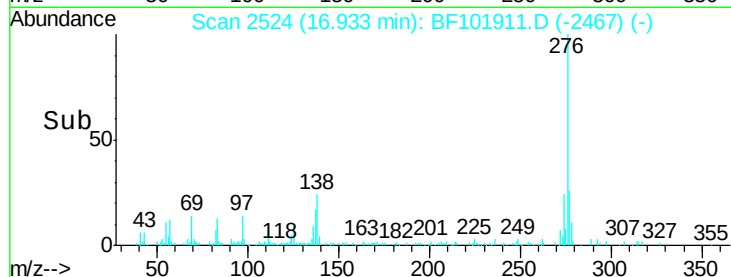
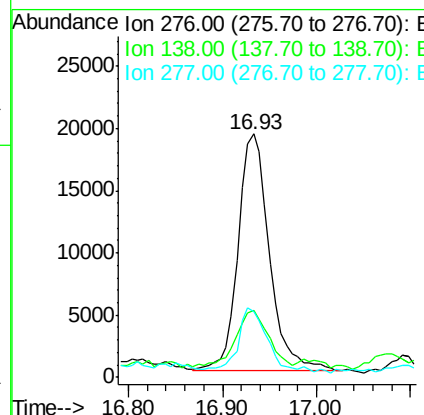
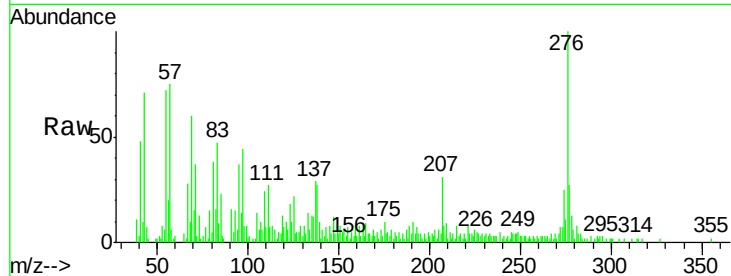
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.895 ng
RT: 16.93 min Scan# 2524
Delta R.T. 0.04 min
Lab File: BF101911.D
Acq: 5 Jan 2018 3:20

Instrument :
BNA_F
ClientSampleId :
SB-14-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.3	25.0	37.6#
277	24.7	20.1	30.1

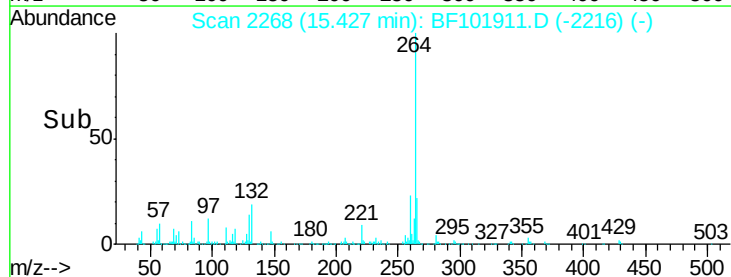
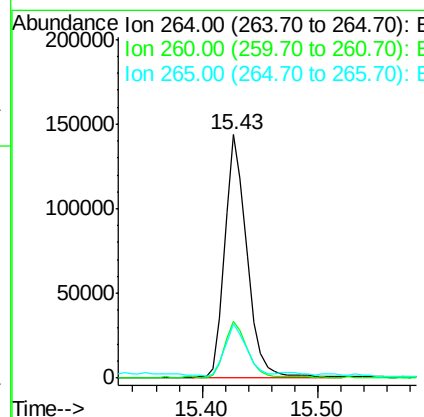
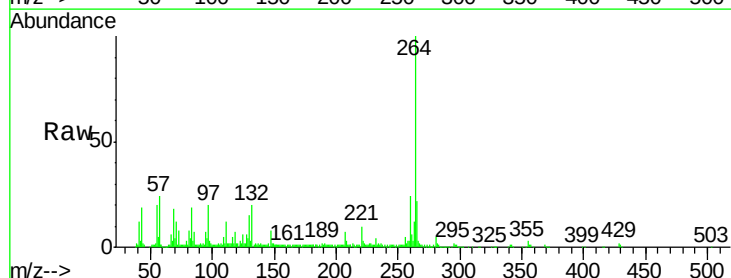
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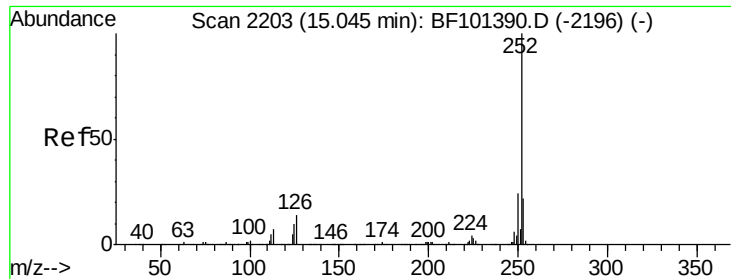
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.01 min
Lab File: BF101911.D
Acq: 5 Jan 2018 3:20

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.3	17.5	26.3





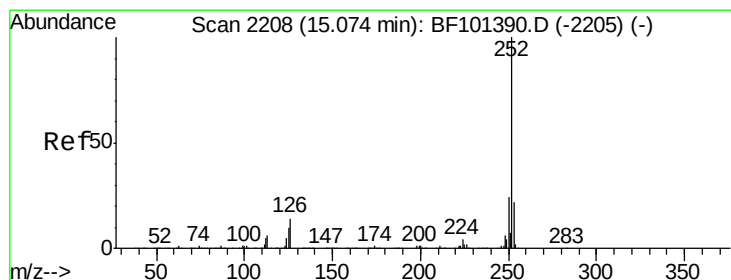
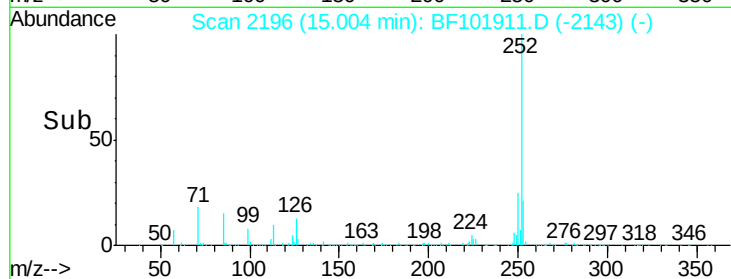
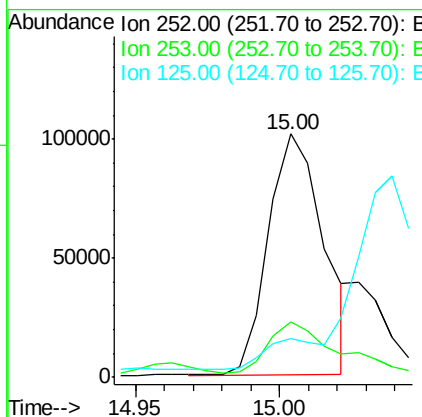
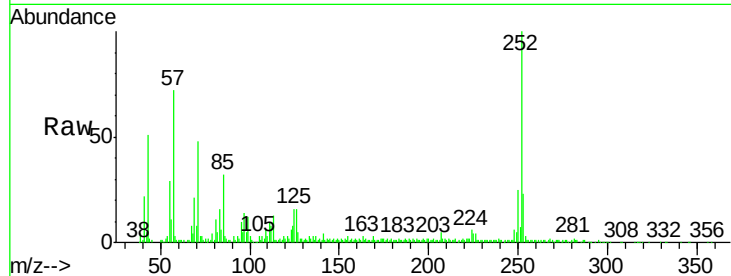
#87
Benzo(b)fluoranthene
Concen: 11.737 ng m
RT: 15.00 min Scan# 2196
Delta R.T. 0.01 min
Lab File: BF101911.D
Acq: 5 Jan 2018 3:20

Instrument :
BNA_F
ClientSampled :
SB-14-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	16.0	9.0	13.6

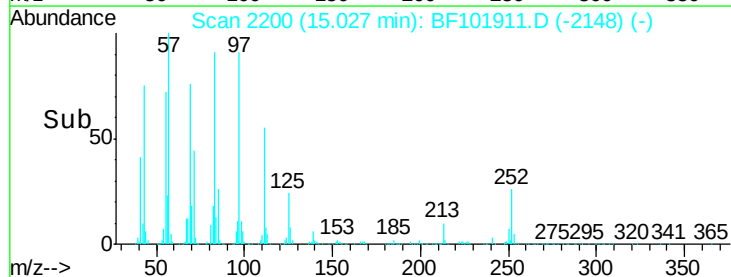
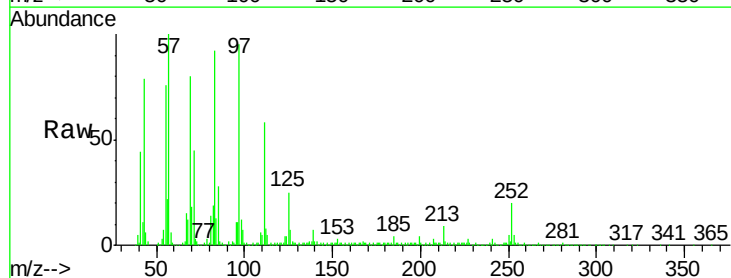
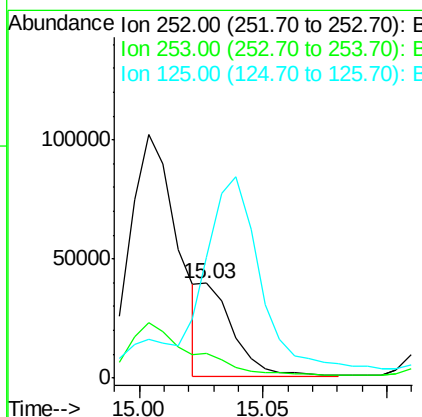
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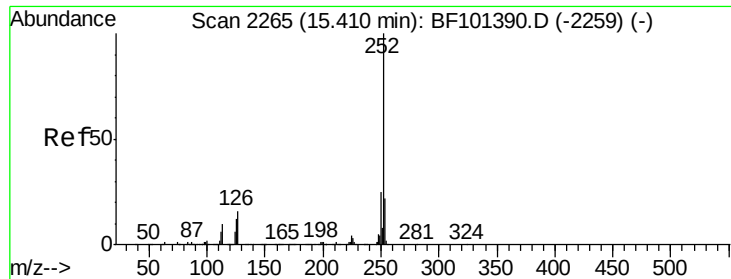
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#88
Benzo(k)fluoranthene
Concen: 3.181 ng m
RT: 15.03 min Scan# 2200
Delta R.T. 0.01 min
Lab File: BF101911.D
Acq: 5 Jan 2018 3:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.9	26.9
125	127.7	10.2	15.2





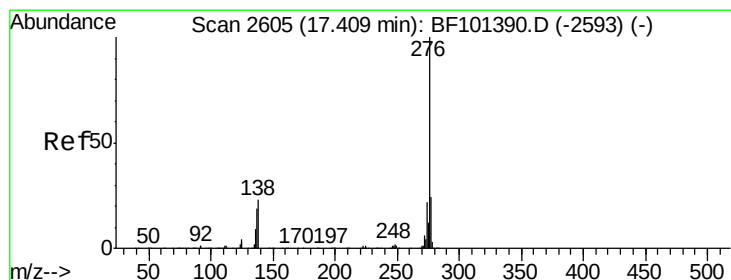
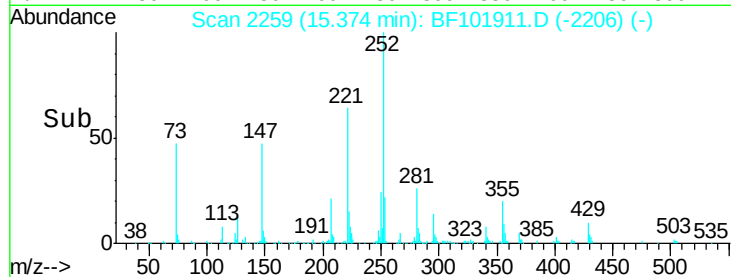
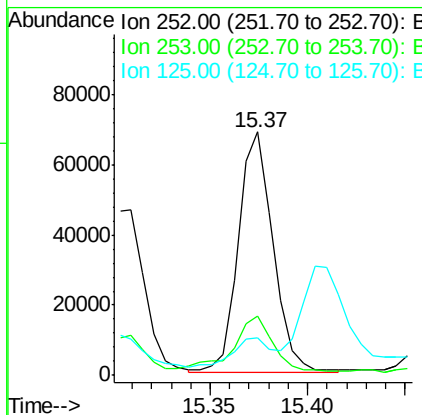
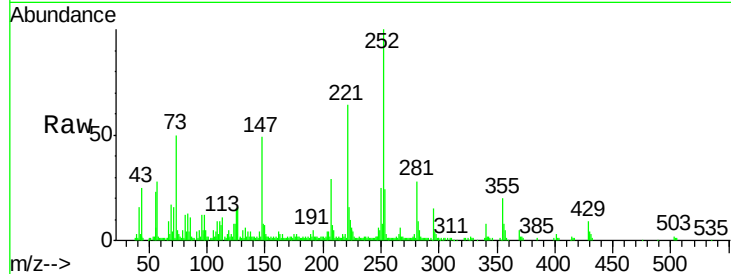
#89
Benzo(a)pyrene
Concen: 7.926 ng
RT: 15.37 min Scan# 2259
Delta R.T. 0.01 min
Lab File: BF101911.D
Acq: 5 Jan 2018 3:20

Instrument :
BNA_F
ClientSampleId :
SB-14-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.1	25.7
125	15.3	9.8	14.6

Manual Integrations
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1/5/2018 10:29:58 AM



#91
Benzo(g,h,i)perylene
Concen: 4.742 ng
RT: 17.39 min Scan# 2601
Delta R.T. 0.04 min
Lab File: BF101911.D
Acq: 5 Jan 2018 3:20

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.6	17.9	26.9
138	29.8	21.8	32.8

