

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010418\
 Data File : BF101899.D
 Acq On : 4 Jan 2018 19:02
 Operator : SJ/JU
 Sample : J1012-03 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-010318-B

Manual Integrations
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 1/5/2018 10:29:40 AM

Quant Time: Jan 05 00:48:15 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	150688	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	594919	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	244200	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	377522	20.00	ng	0.00
75) Chrysene-d12	13.96	240	272454	20.00	ng	0.00
86) Perylene-d12	15.43	264	230703	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	239145	23.64	ng	0.02
7) Phenol-d6	6.43	99	316080	25.11	ng	0.01
23) Nitrobenzene-d5	7.35	82	184049	17.22	ng	0.00
41) 2,4,6-Tribromophenol	10.61	330	39142	16.63	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	311203	19.77	ng	0.00
78) Terphenyl-d14	12.88	244	194000	17.17	ng	0.00
Target Compounds						
70) Phenanthrene	11.33	178	236923	11.285	ng	99
71) Anthracene	11.39	178	63083	2.942	ng	98
74) Fluoranthene	12.53	202	187328	8.501	ng	96
77) Pyrene	12.76	202	166023	8.119	ng	100
80) Benzo(a)anthracene	13.95	228	70466m	3.917	ng	
82) Chrysene	13.99	228	60978	3.590	ng	99
87) Benzo(b)fluoranthene	15.00	252	63842m	4.540	ng	
89) Benzo(a)pyrene	15.37	252	45578	3.516	ng	# 89

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

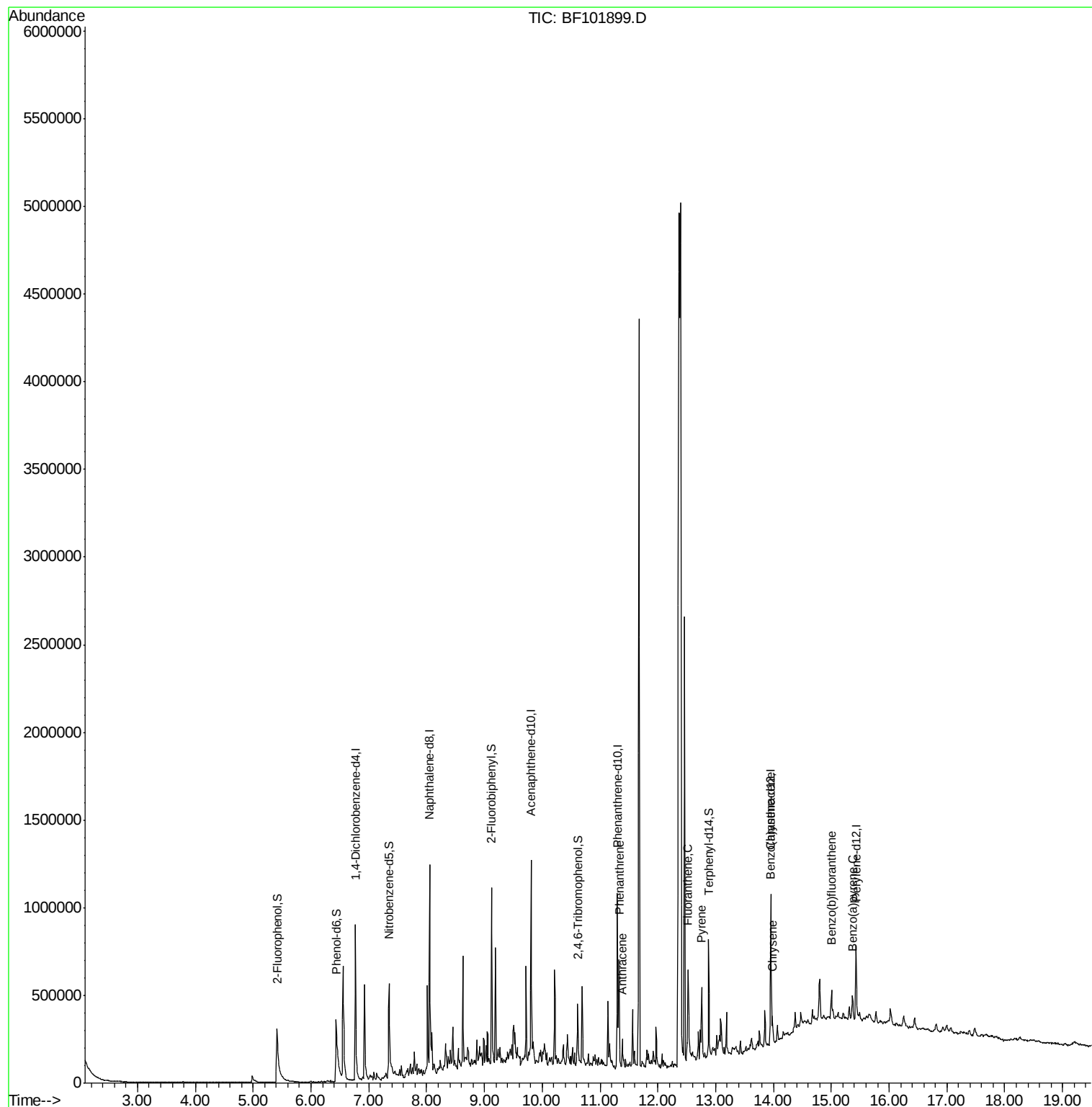
Data Path : Z:\HPCHEM1\BNA F\DATA\BF010418\
Data File : BF101899.D
Acq On : 4 Jan 2018 19:02
Operator : SJ/JU
Sample : J1012-03 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

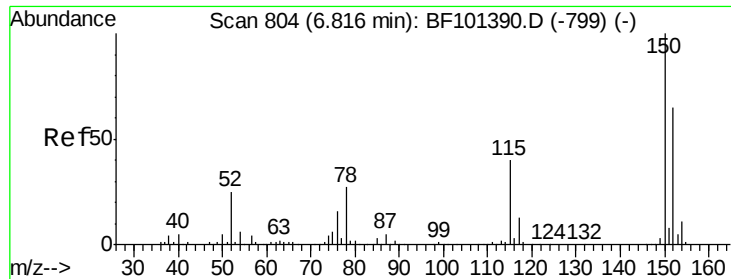
Instrument :
BNA_F
ClientSampleId :
JC-03-010318-B

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Quant Time: Jan 05 00:48:15 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





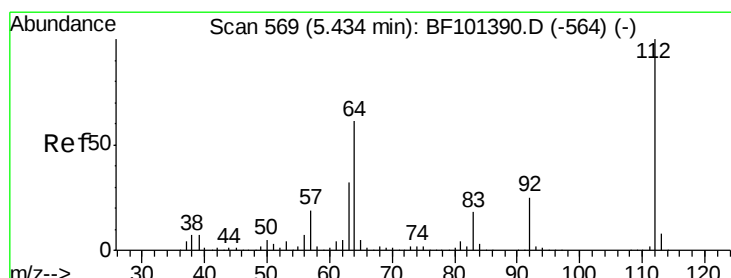
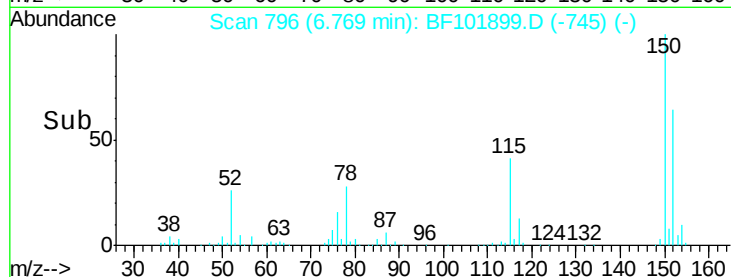
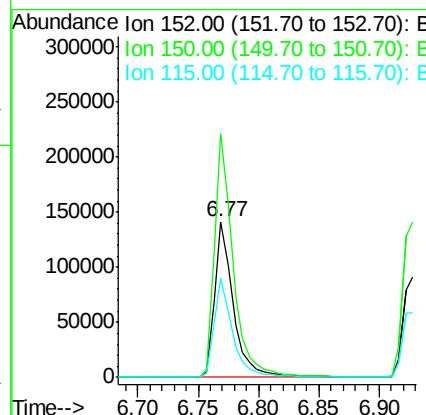
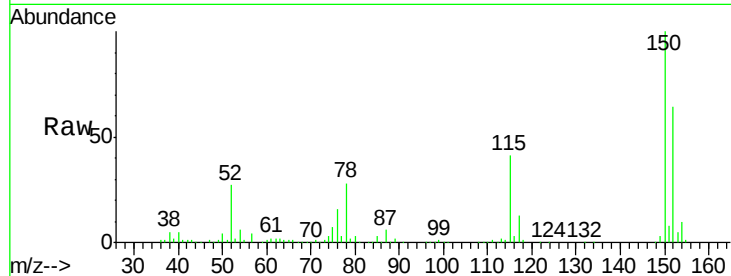
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.77 min Scan# 796
 Delta R.T. 0.00 min
 Lab File: BF101899.D
 Acq: 4 Jan 2018 19:02

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-010318-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	124.6	186.8
115	63.5	50.1	75.1

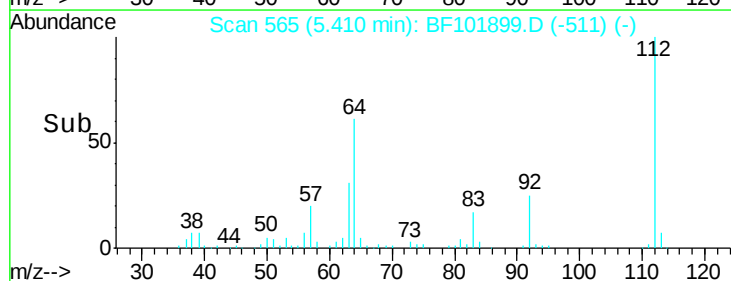
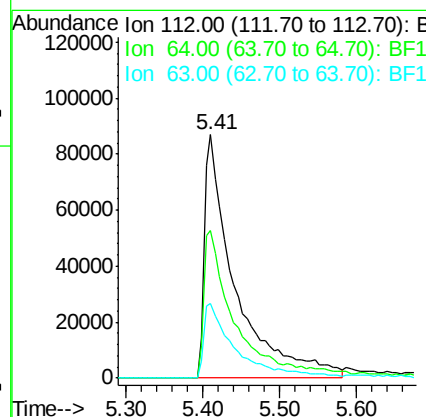
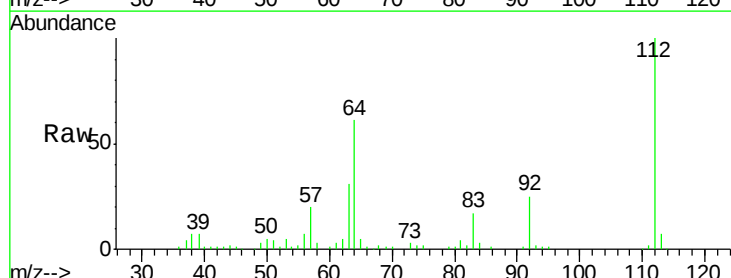
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#5
 2-Fluorophenol
 Concen: 23.640 ng
 RT: 5.41 min Scan# 565
 Delta R.T. 0.02 min
 Lab File: BF101899.D
 Acq: 4 Jan 2018 19:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.7	47.9	71.9
63	30.8	23.7	35.5





#7

Phenol-d6

Concen: 25.106 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.01 min

Lab File: BF101899.D

Acq: 4 Jan 2018 19:02

Instrument :

BNA_F

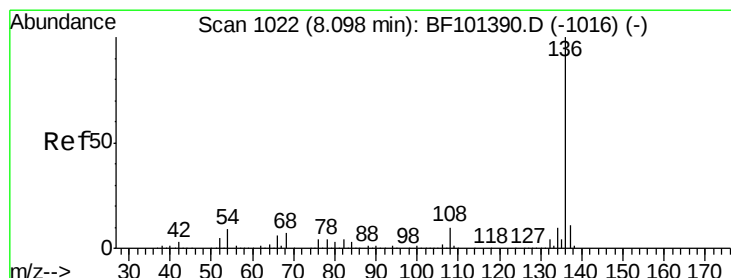
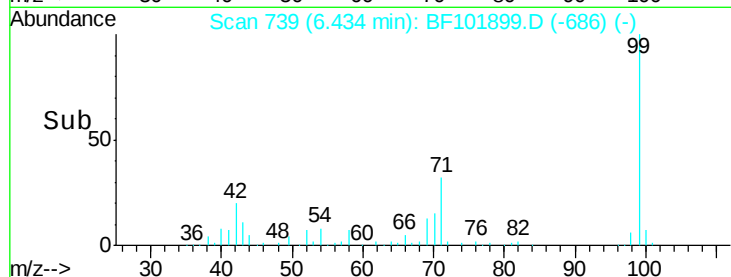
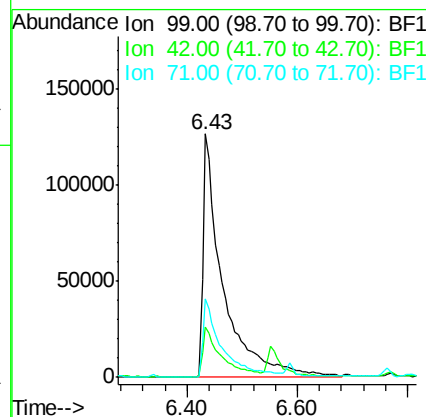
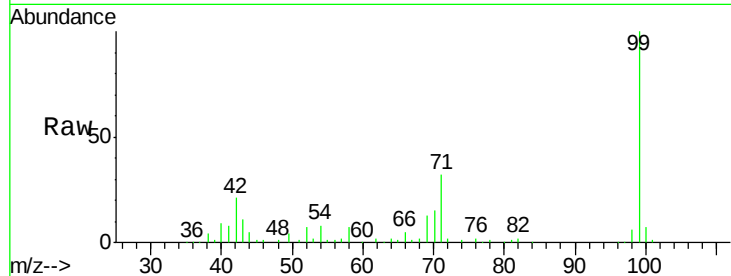
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Tot Ion:	99	Resp:	316080
Ion	Ratio	Lower	Upper
99	100		
42	20.7	14.5	21.7
71	32.1	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

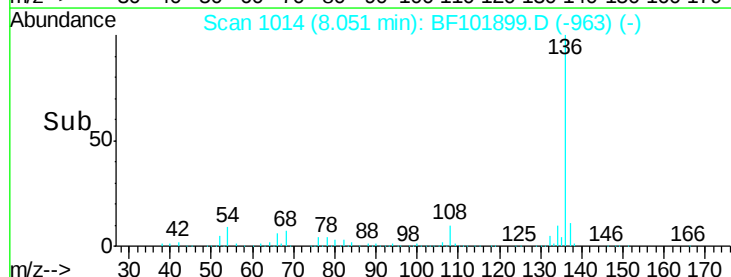
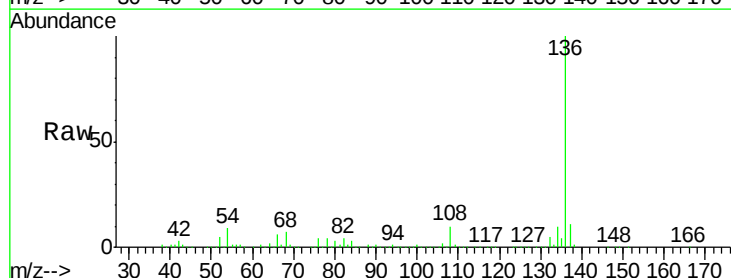
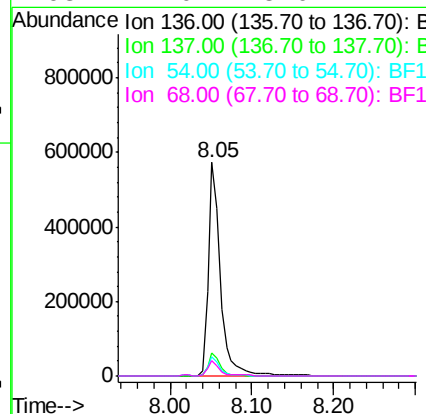
RT: 8.05 min Scan# 1014

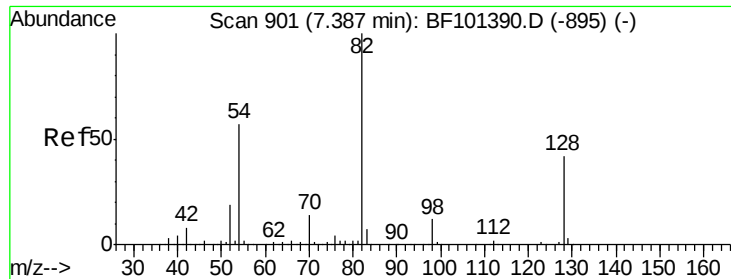
Delta R.T. 0.00 min

Lab File: BF101899.D

Acq: 4 Jan 2018 19:02

Tgt Ion:	136	Resp:	594919
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	9.1	6.6	9.8
68	7.0	5.0	7.4





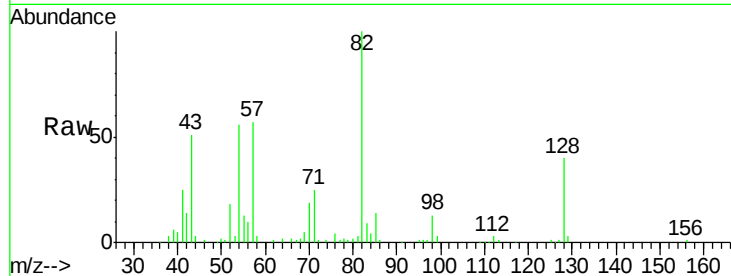
#23
Nitrobenzene-d5
Concen: 17.221 ng
RT: 7.35 min Scan# 895
Delta R.T. 0.01 min
Lab File: BF101899.D
Acq: 4 Jan 2018 19:02

Instrument :
BNA_F
ClientSampleId :
JC-03-010318-B

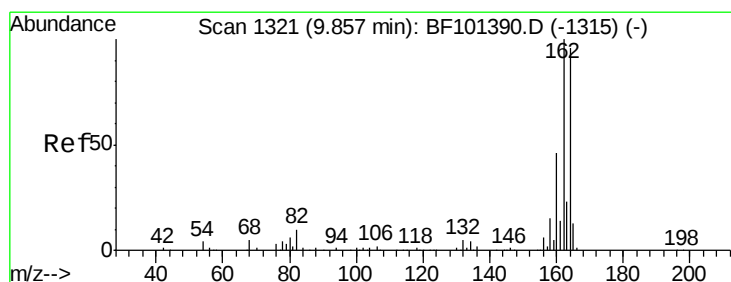
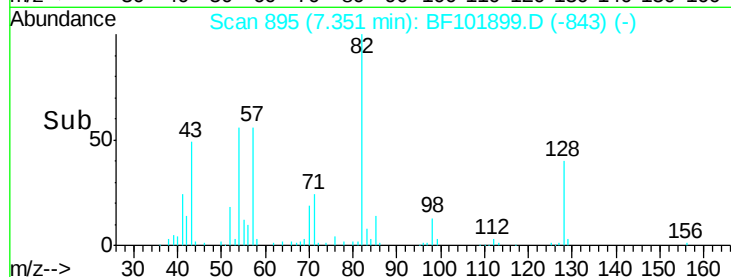
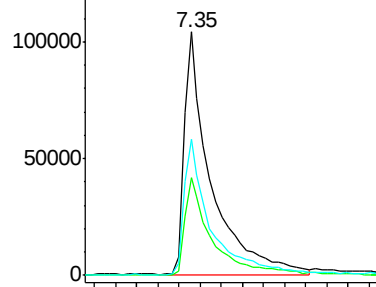
Tot Ion	82	Resp	184049
Ion Ratio	100	Lower	Upper
128	40.1	36.1	54.1
54	56.1	41.4	62.2

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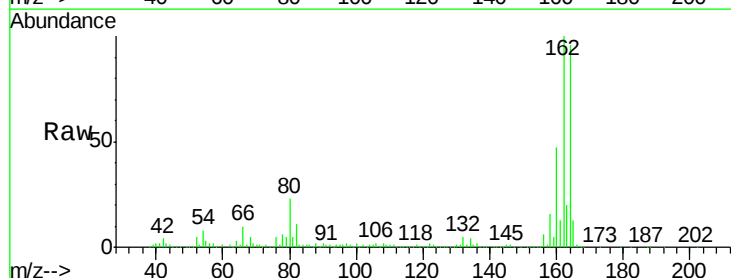


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

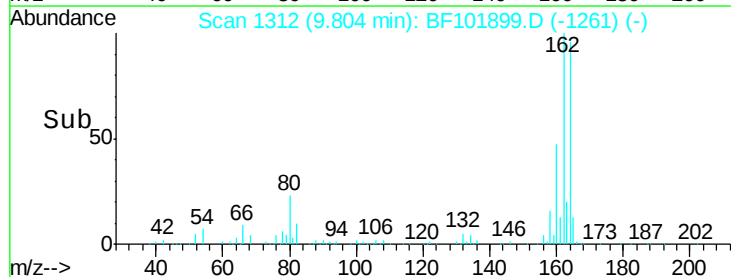
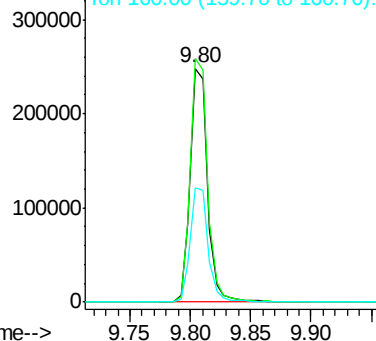


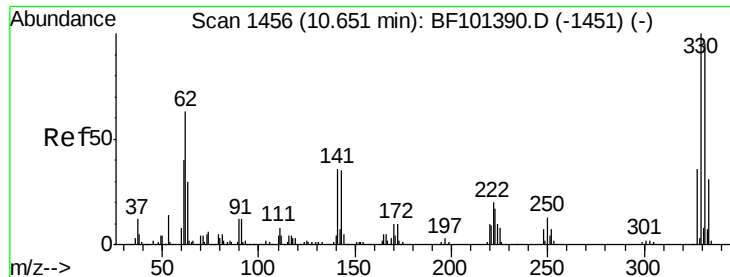
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1312
Delta R.T. 0.00 min
Lab File: BF101899.D
Acq: 4 Jan 2018 19:02

Tgt Ion	164	Resp	244200
Ion Ratio	100	Lower	Upper
162	104.1	86.1	129.1
160	48.6	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





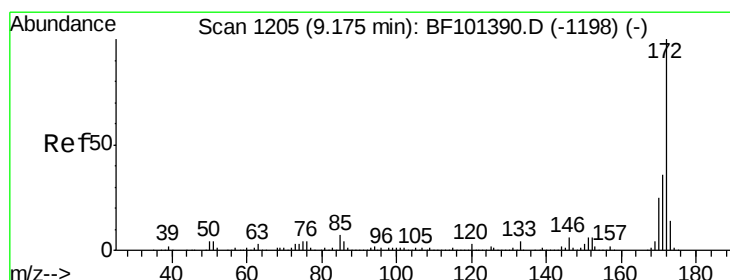
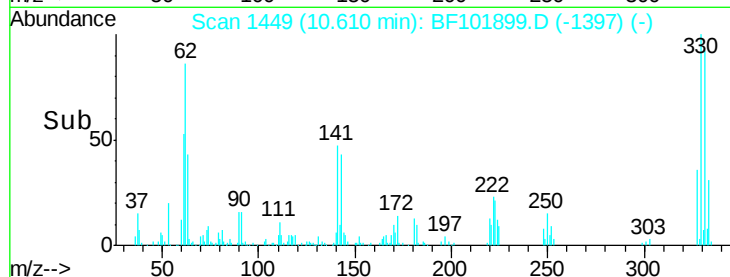
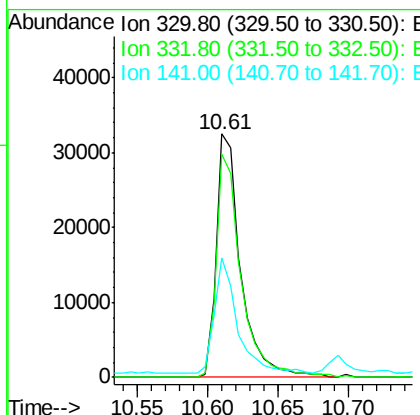
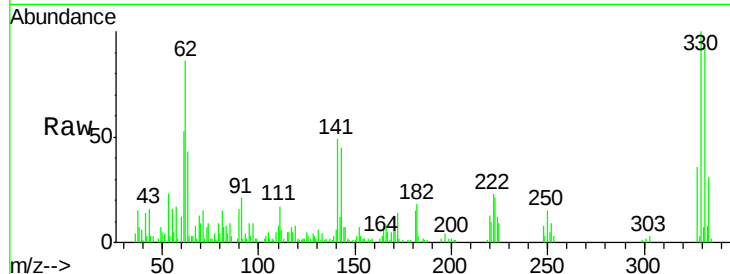
#41
 2,4,6-Tribromophenol
 Concen: 16.635 ng
 RT: 10.61 min Scan# 1449
 Delta R.T. 0.01 min
 Lab File: BF101899.D
 Acq: 4 Jan 2018 19:02

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-010318-B

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	93.9	77.0	115.6	
141	44.9	29.9	44.9	

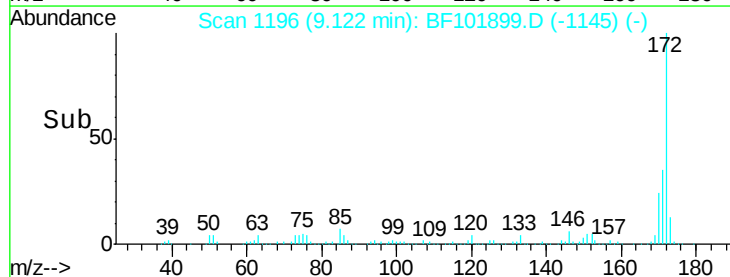
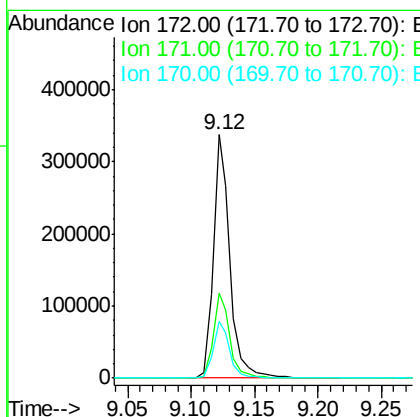
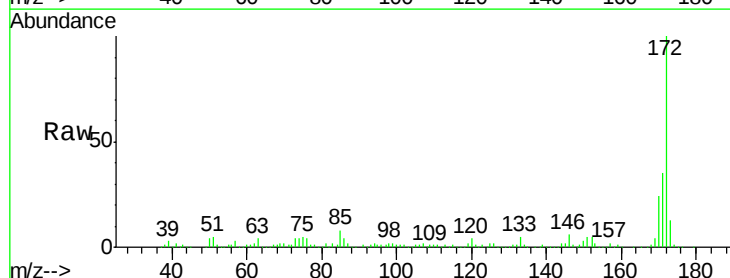
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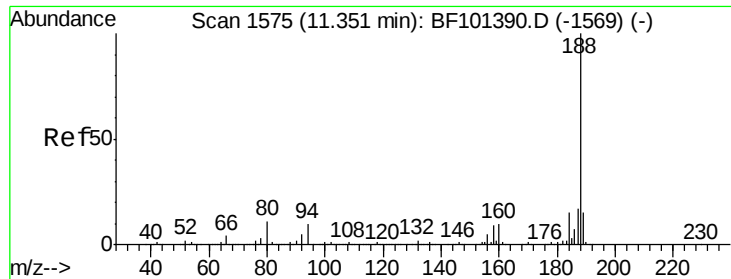
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#44
 2-Fluorobiphenyl
 Concen: 19.769 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. 0.00 min
 Lab File: BF101899.D
 Acq: 4 Jan 2018 19:02

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.0	29.7	44.5	
170	23.5	19.6	29.4	





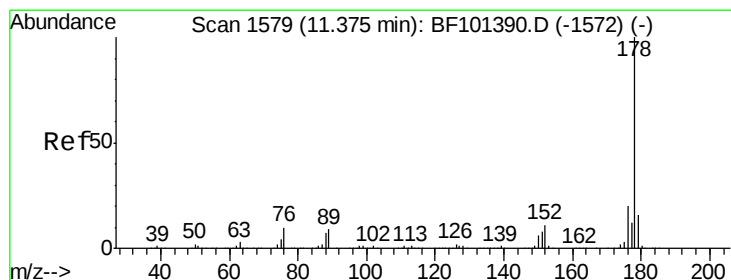
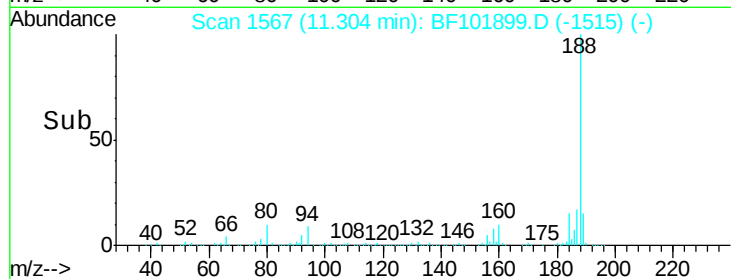
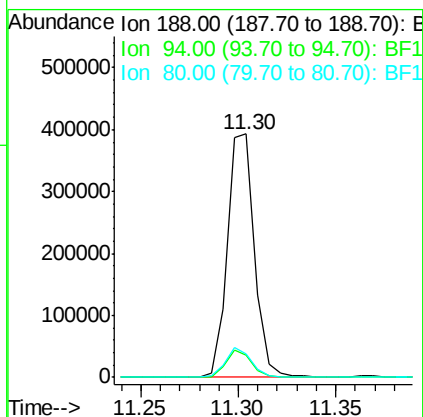
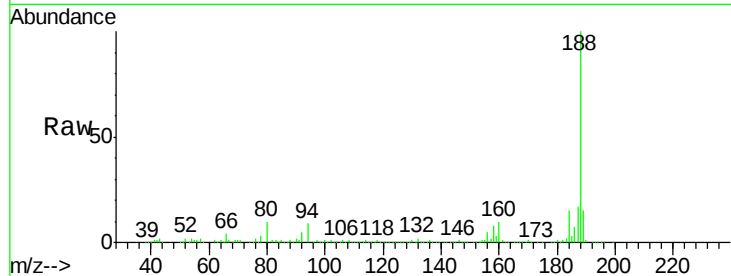
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1567
Delta R.T. 0.01 min
Lab File: BF101899.D
Acq: 4 Jan 2018 19:02

Instrument :
BNA_F
ClientSampleId :
JC-03-010318-B

Tot Ion:	188	Resp:	377522
Ion Ratio		Lower	Upper
188	100		
94	8.9	8.5	12.7
80	9.9	9.2	13.8

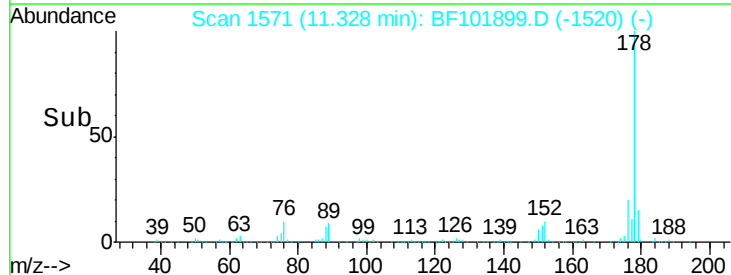
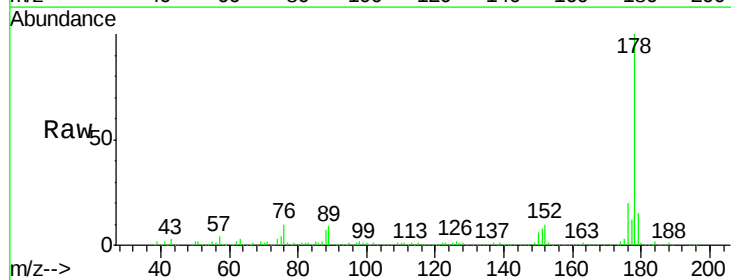
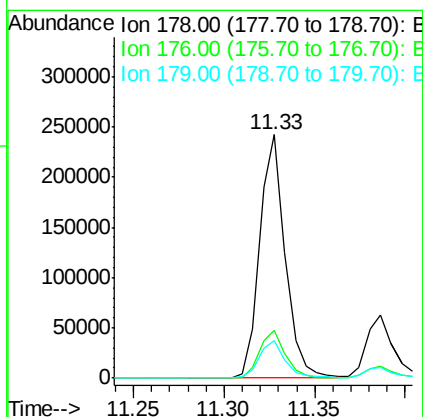
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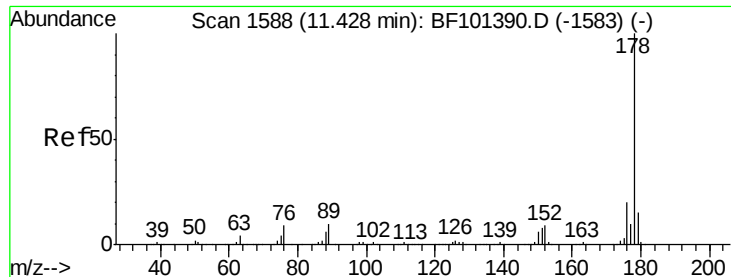
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#70
Phenanthrene
Concen: 11.285 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BF101899.D
Acq: 4 Jan 2018 19:02

Tgt Ion:	178	Resp:	236923
Ion Ratio		Lower	Upper
178	100		
176	19.7	15.8	23.8
179	15.3	13.0	19.6





#71

Anthracene

Concen: 2.942 ng

RT: 11.39 min Scan# 1581

Delta R.T. 0.01 min

Lab File: BF101899.D

Acq: 4 Jan 2018 19:02

Instrument :

BNA_F

ClientSampleId :

JC-03-010318-B

Tot Ion:178 Resp: 63083

Ion Ratio Lower Upper

178 100

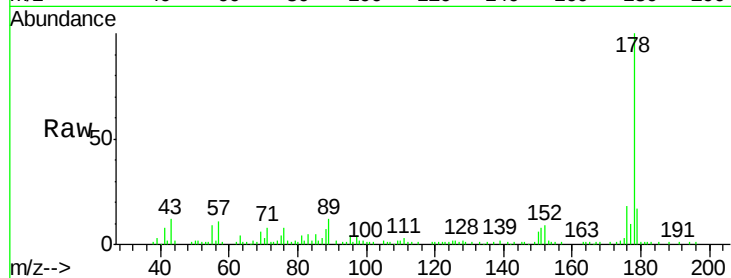
176 18.3 15.4 23.2

179 16.8 12.6 19.0

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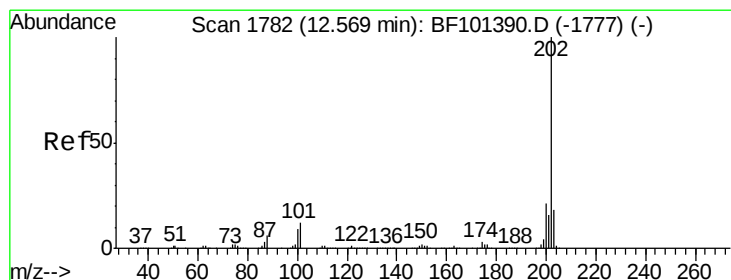
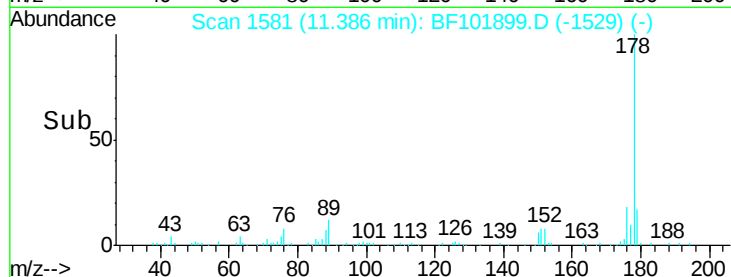
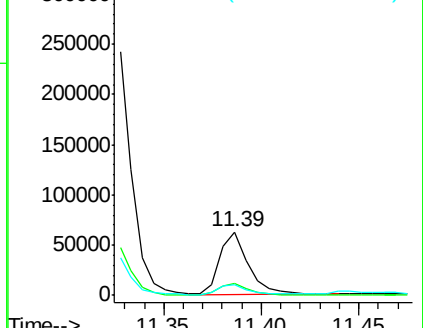
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 8.501 ng

RT: 12.53 min Scan# 1775

Delta R.T. 0.01 min

Lab File: BF101899.D

Acq: 4 Jan 2018 19:02

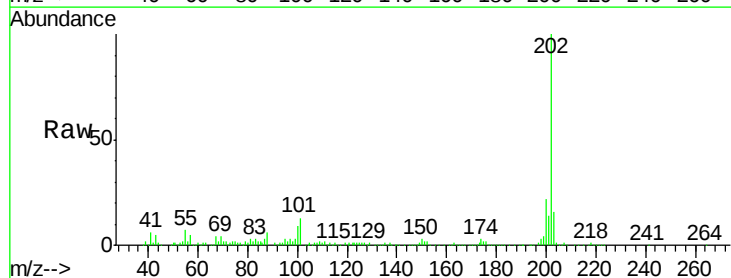
Tgt Ion:202 Resp: 187328

Ion Ratio Lower Upper

202 100

101 12.7 0.0 34.1

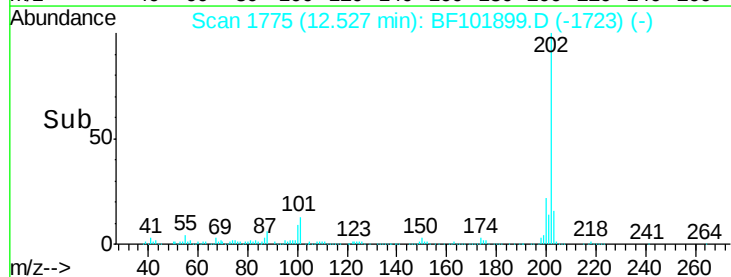
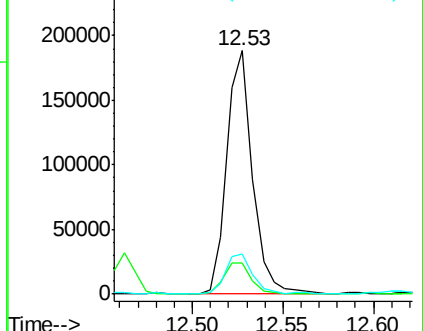
203 16.5 0.0 38.1

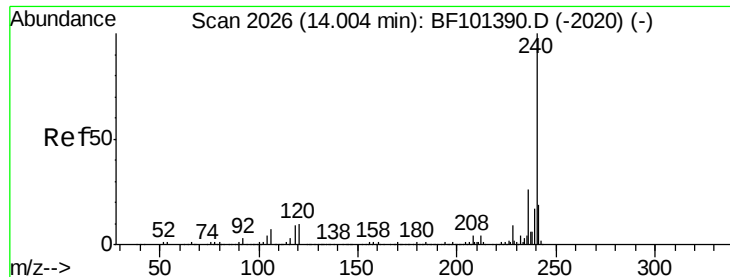


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.96 min Scan# 2018

Delta R.T. 0.00 min

Lab File: BF101899.D

Acq: 4 Jan 2018 19:02

Instrument :

BNA_F

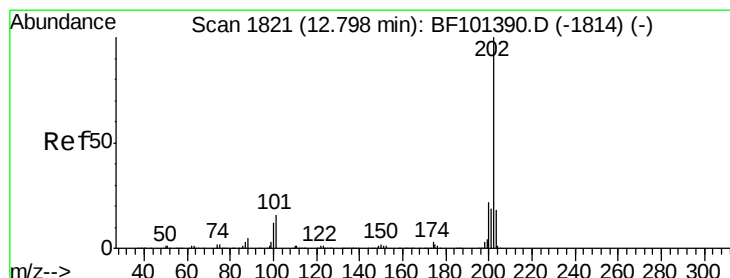
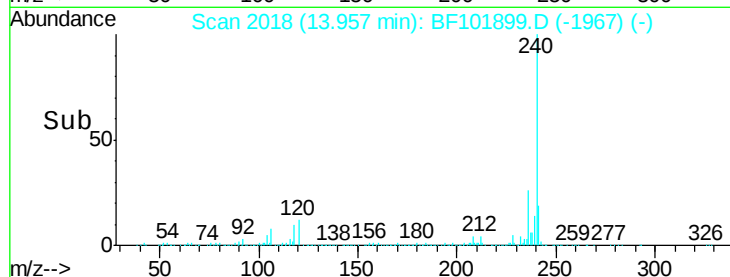
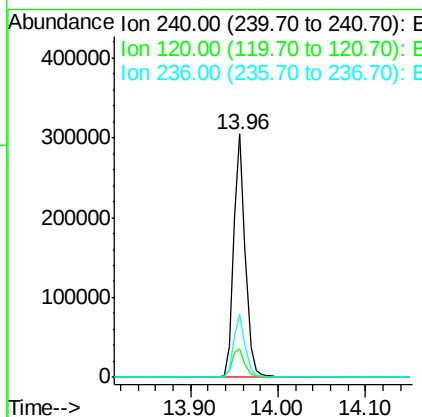
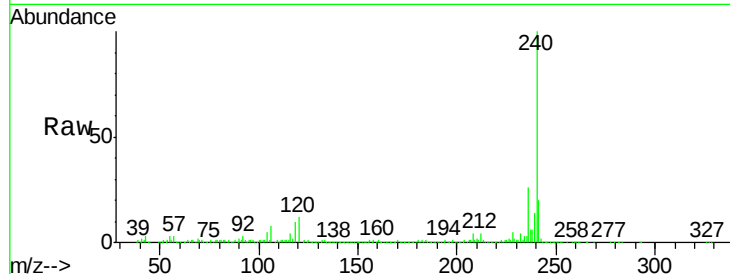
ClientSampleId :

JC-03-010318-B

Tot Ion:	240	Resp:	272454
Ion Ratio	Lower	Upper	
240	100		
120	11.7	9.5	14.3
236	26.0	20.7	31.1

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#77

Pyrene

Concen: 8.119 ng

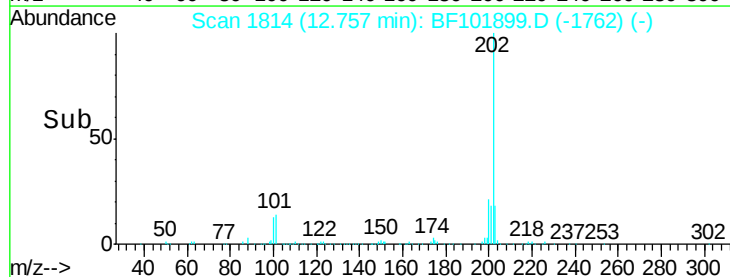
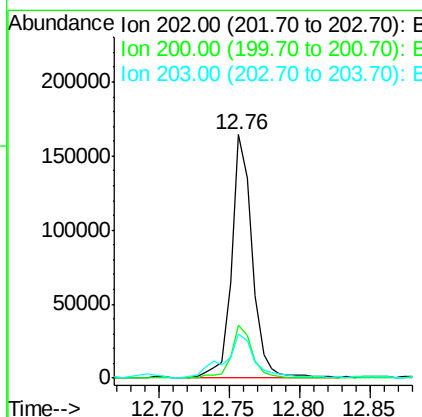
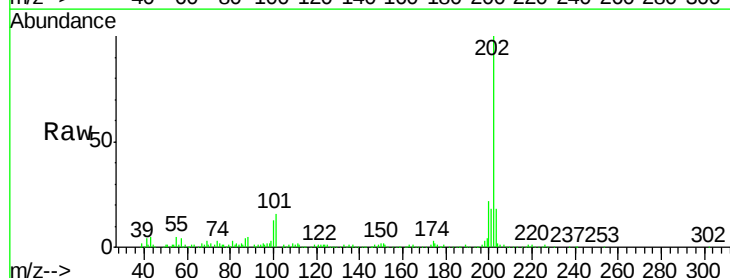
RT: 12.76 min Scan# 1814

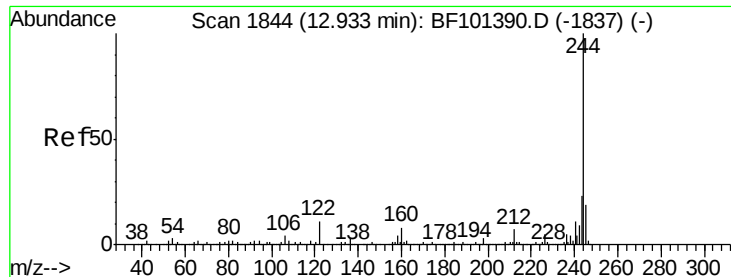
Delta R.T. 0.01 min

Lab File: BF101899.D

Acq: 4 Jan 2018 19:02

Tgt Ion:	202	Resp:	166023
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.4	26.2
203	17.9	14.3	21.5





#78

Terphenyl-d14

Concen: 17.166 ng

RT: 12.88 min Scan# 1835

Delta R.T. 0.00 min

Lab File: BF101899.D

Acq: 4 Jan 2018 19:02

Instrument :

BNA_F

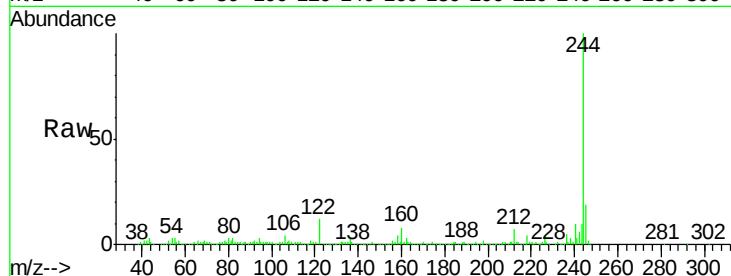
ClientSampleId :

JC-03-010318-B

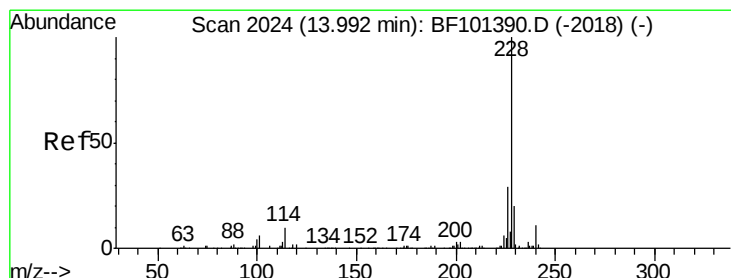
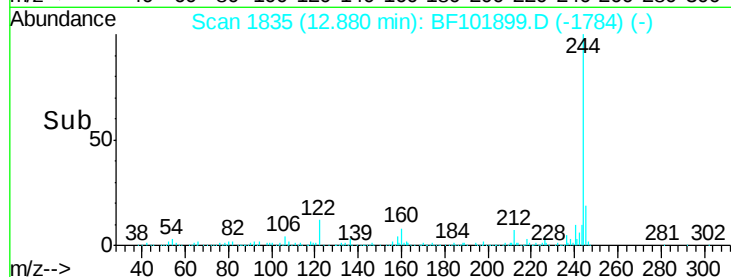
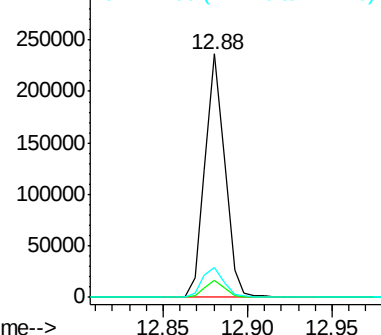
Tot Ion:	244	Resp:	194000
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.4	8.0
122	12.4	11.0	16.4

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 3.917 ng m

RT: 13.95 min Scan# 2016

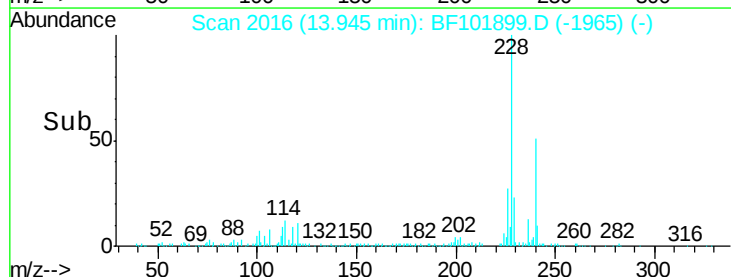
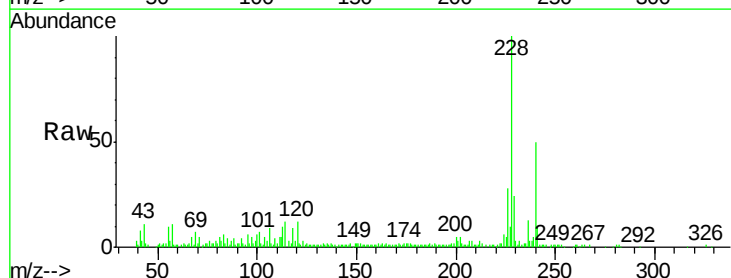
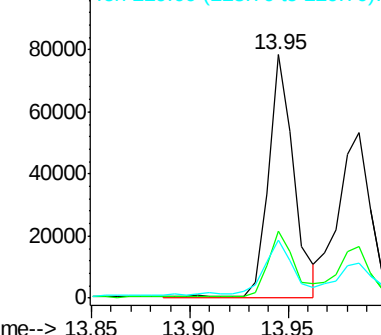
Delta R.T. 0.00 min

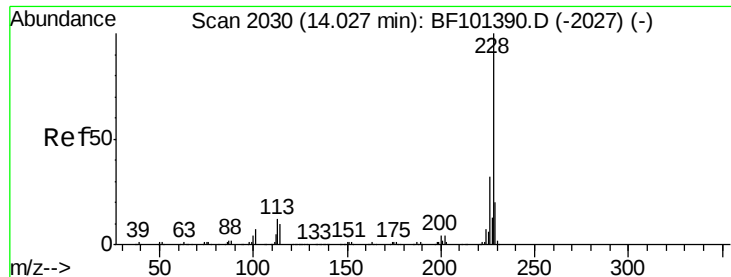
Lab File: BF101899.D

Acq: 4 Jan 2018 19:02

Tgt Ion:	228	Resp:	70466
Ion Ratio	Lower	Upper	
228	100		
226	27.6	22.6	33.8
229	23.9	15.8	23.6#

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





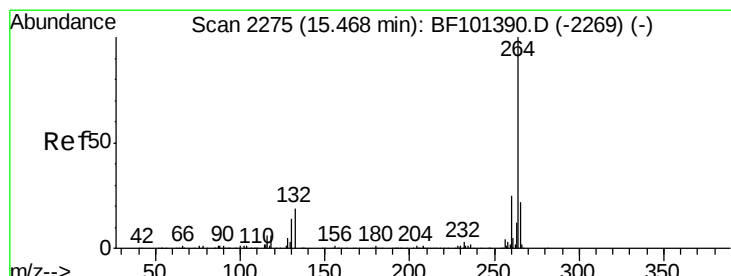
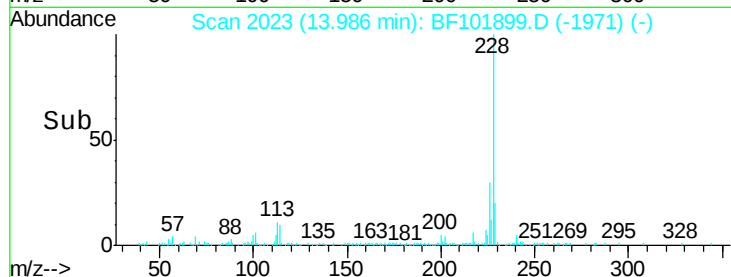
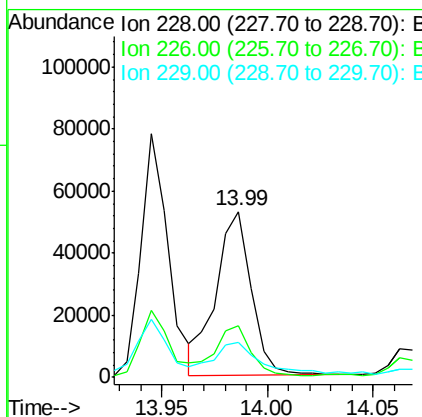
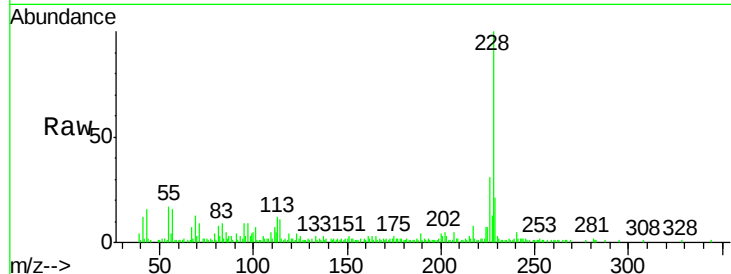
#82
Chrysene
Concen: 3.590 ng
RT: 13.99 min Scan# 2030
Delta R.T. 0.01 min
Lab File: BF101899.D
Acq: 4 Jan 2018 19:02

Instrument :
BNA_F
ClientSampleID :
JC-03-010318-B

Tot Ion:	228	Resp:	60978
Ion Ratio	Lower	Upper	
228	100		
226	31.0	25.0	37.6
229	21.3	16.2	24.4

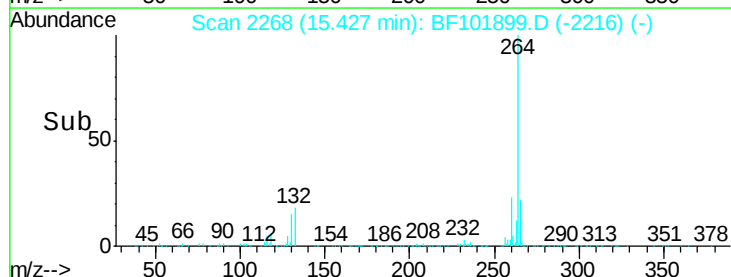
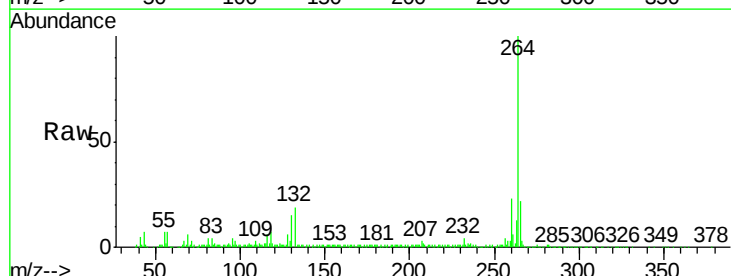
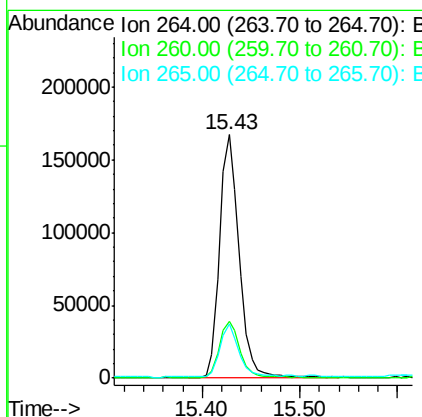
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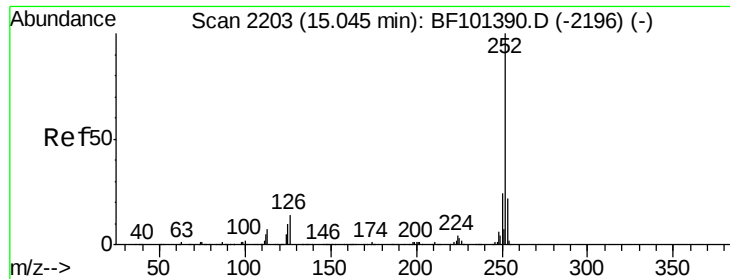
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1/5/2018 10:29:40 AM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.01 min
Lab File: BF101899.D
Acq: 4 Jan 2018 19:02

Tgt Ion:	264	Resp:	230703
Ion Ratio	Lower	Upper	
264	100		
260	23.1	19.2	28.8
265	22.4	17.5	26.3





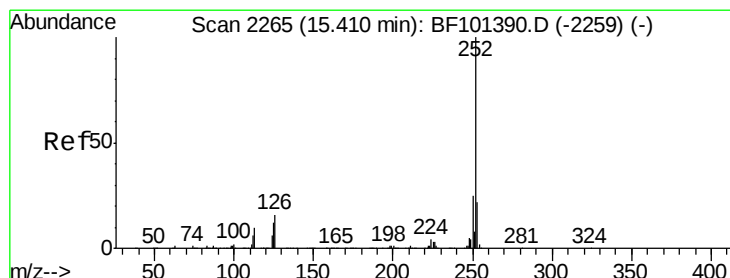
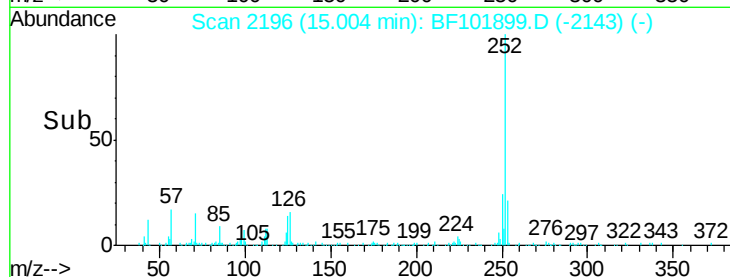
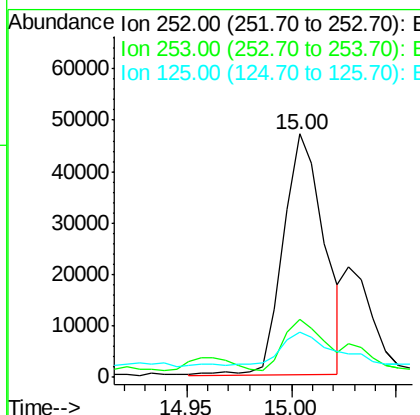
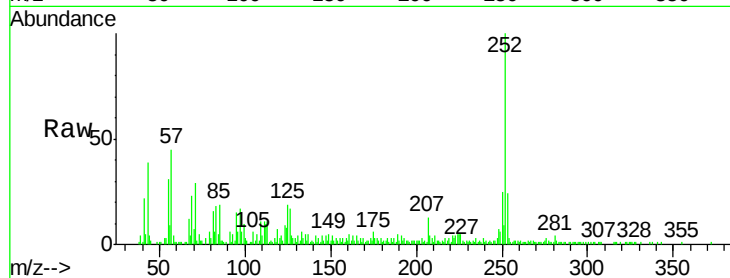
#87
Benzo(b)fluoranthene
Concen: 4.540 ng m
RT: 15.00 min Scan# 2196
Delta R.T. 0.01 min
Lab File: BF101899.D
Acq: 4 Jan 2018 19:02

Instrument :
BNA_F
ClientSampleId :
JC-03-010318-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.0	25.6
125	18.8	9.0	13.6

Manual Integrations
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Sohil
1/5/2018 10:29:40 AM



#89
Benzo(a)pyrene
Concen: 3.516 ng
RT: 15.37 min Scan# 2259
Delta R.T. 0.01 min
Lab File: BF101899.D
Acq: 4 Jan 2018 19:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.1	25.7
125	18.8	9.8	14.6

