

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010318\
 Data File : BF101865.D
 Acq On : 3 Jan 2018 17:38
 Operator : SJ/JU
 Sample : I6680-21
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-122917-A

Manual Integrations
 APPROVED

Sohil
 1/4/2018 1:56:29 PM

Quant Time: Jan 04 02:17:49 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 29 13:21:45 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	135249	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	480486	20.00	ng	-0.02
38) Acenaphthene-d10	9.80	164	173446	20.00	ng	-0.02
63) Phenanthrene-d10	11.30	188	315043	20.00	ng	-0.02
75) Chrysene-d12	13.96	240	276599	20.00	ng	-0.02
86) Perylene-d12	15.42	264	209218	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	872286	96.07	ng	0.00
7) Phenol-d6	6.42	99	984714	87.14	ng	-0.01
23) Nitrobenzene-d5	7.35	82	576231	66.76	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	153091	91.60	ng	-0.02
44) 2-Fluorobiphenyl	9.12	172	804418	71.94	ng	-0.02
78) Terphenyl-d14	12.88	244	710040	61.89	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.52	163	74517	5.341	ng	99
70) Phenanthrene	11.33	178	112949	6.447	ng	98
71) Anthracene	11.38	178	40621m	2.270	ng	
74) Fluoranthene	12.52	202	329308	17.907	ng	98
77) Pyrene	12.75	202	336331	16.202	ng	99
80) Benzo(a)anthracene	13.94	228	177777	9.734	ng	99
82) Chrysene	13.98	228	184494	10.699	ng	98
85) Indeno(1,2,3-cd)pyrene	16.92	276	70916	4.618	ng	# 92
87) Benzo(b)fluoranthene	15.00	252	168733m	13.232	ng	
88) Benzo(k)fluoranthene	15.02	252	63200m	5.097	ng	
89) Benzo(a)pyrene	15.37	252	108807	9.256	ng	# 91
90) Dibenzo(a,h)anthracene	16.89	278	24831m	2.460	ng	
91) Benzo(a,h,i)perylene	17.36	276	64652	6.469	ng	# 94

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

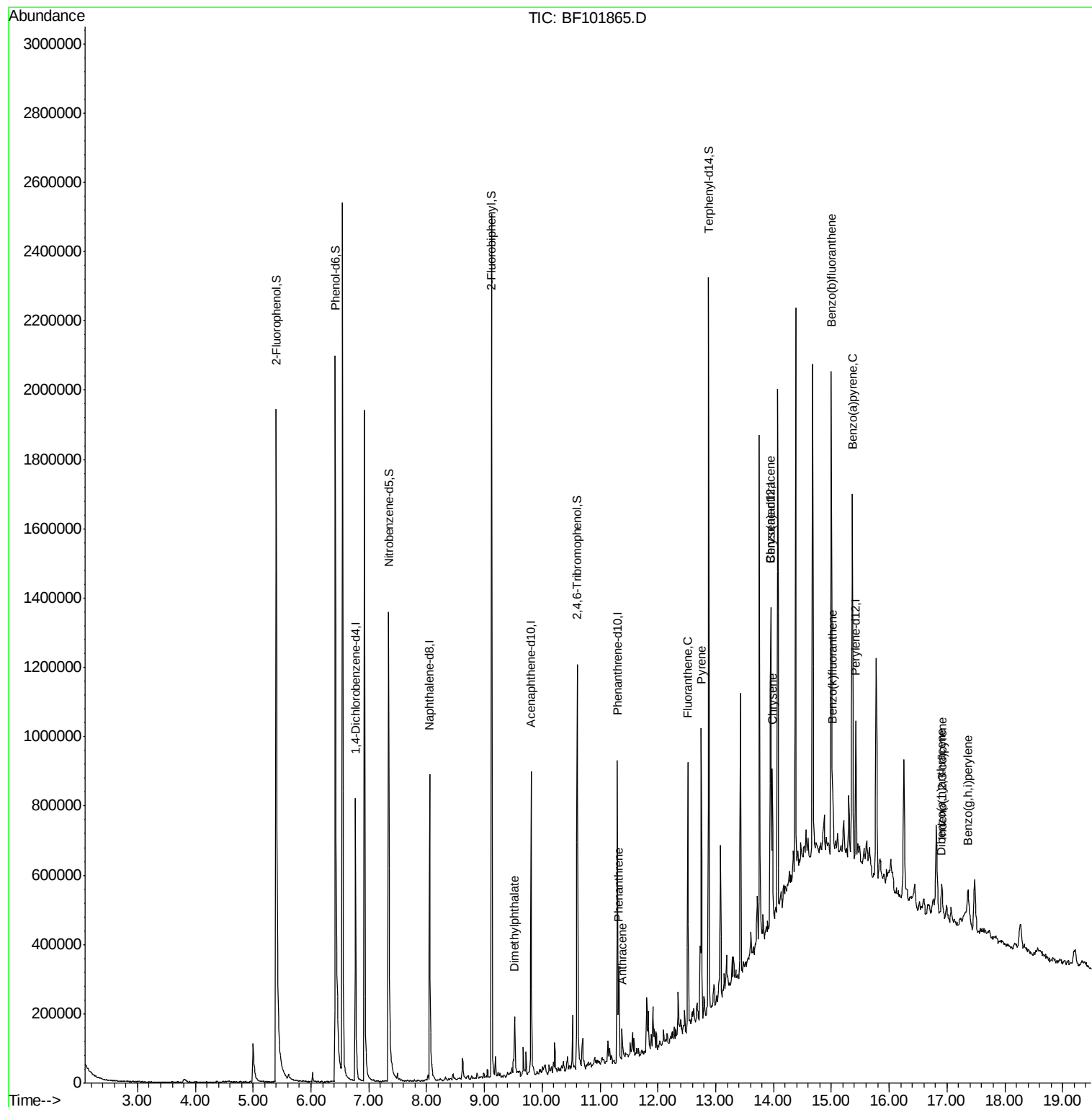
Data Path : Z:\HPCHEM1\BNA F\DATA\BF010318\
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#1

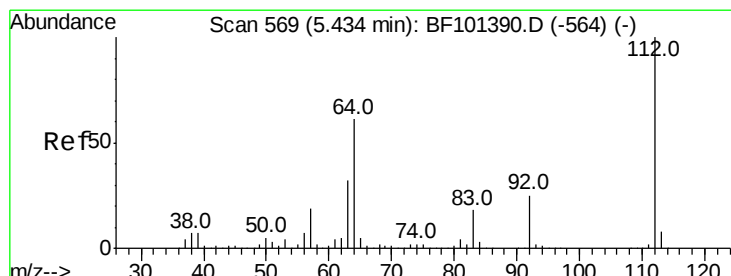
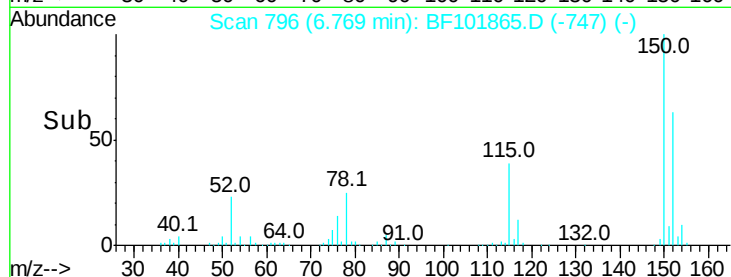
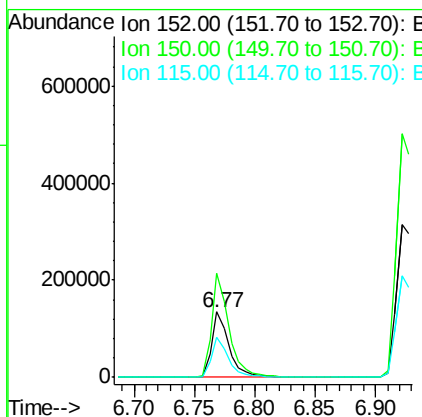
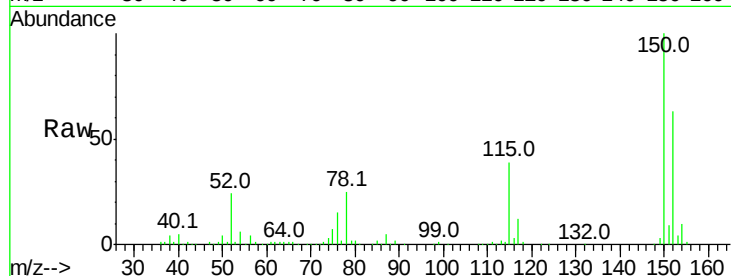
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF101865.D
Acq: 3 Jan 2018 17:38

Instrument :
BNA_F
ClientSampleId :
CL-01-122917-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.0	124.6	186.8
115	61.6	50.1	75.1

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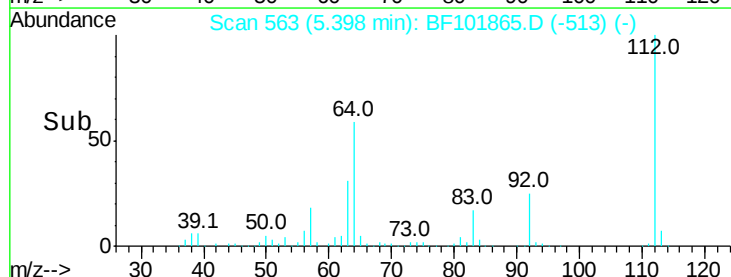
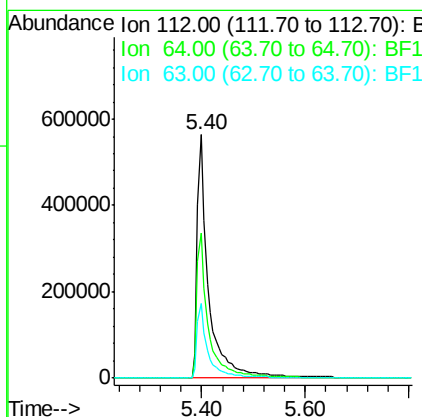
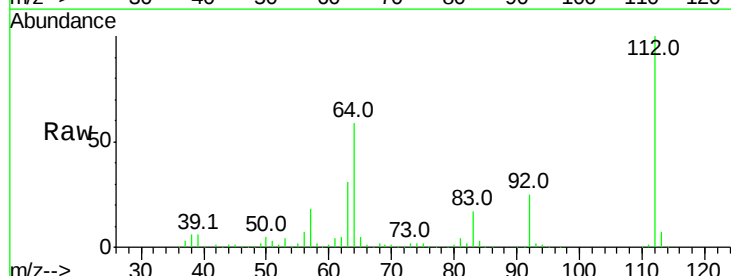
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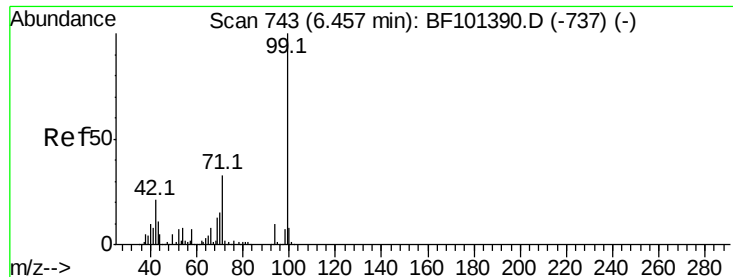


#5

2-Fluorophenol
Concen: 96.070 ng
RT: 5.40 min Scan# 563
Delta R.T. -0.01 min
Lab File: BF101865.D
Acq: 3 Jan 2018 17:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.5	47.9	71.9
63	30.8	23.7	35.5





#7

Phenol-d6

Concen: 87.143 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF101865.D

Acq: 3 Jan 2018 17:38

Instrument :

BNA_F

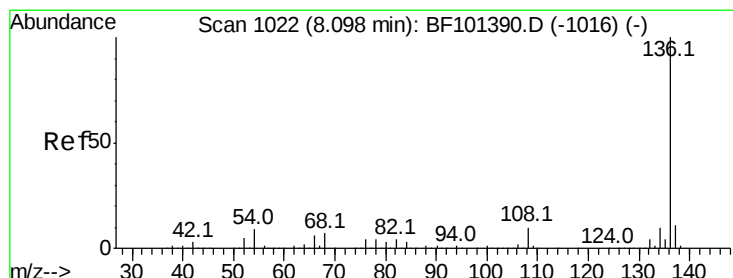
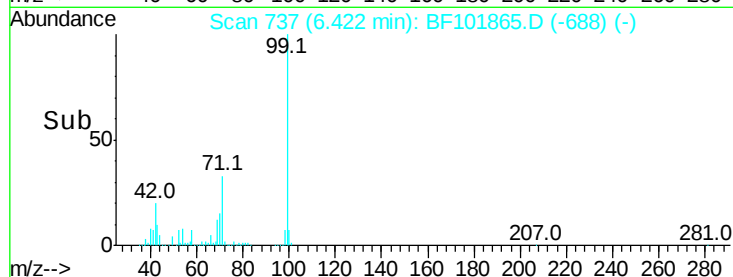
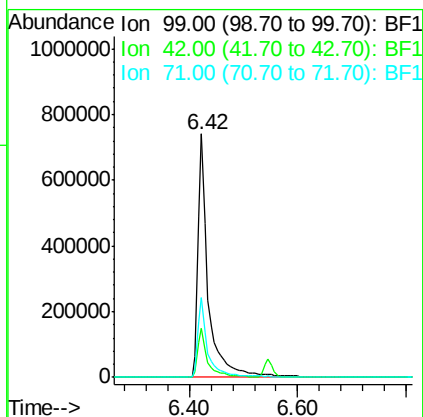
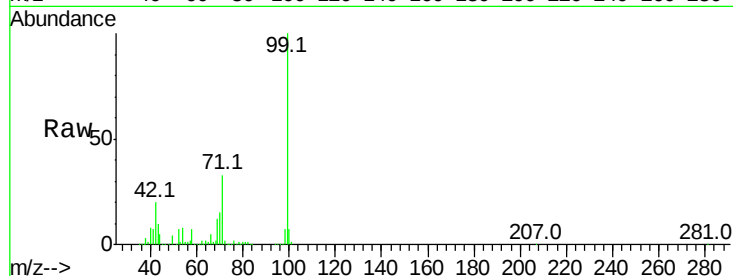
ClientSampleId :

CL-01-122917-A

Tot Ion:	99	Resp:	984714
Ion Ratio	Lower	Upper	
99	100		
42	20.1	14.5	21.7
71	32.7	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

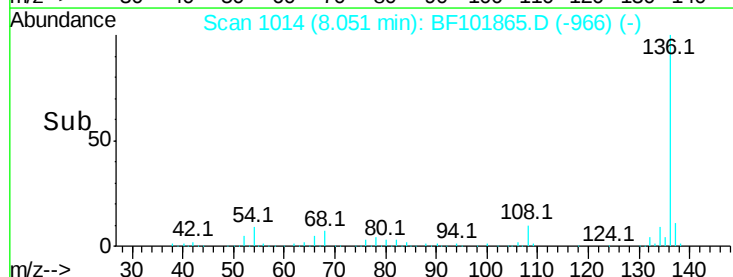
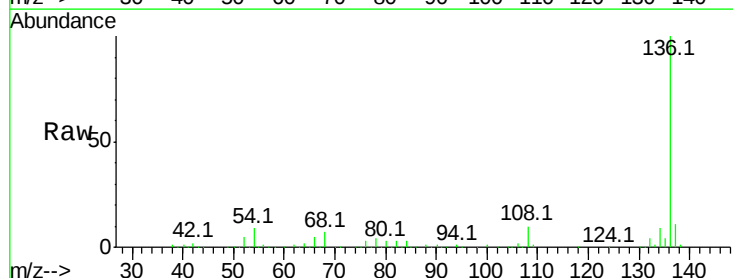
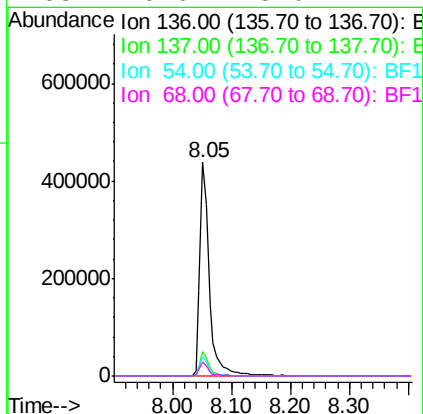
RT: 8.05 min Scan# 1014

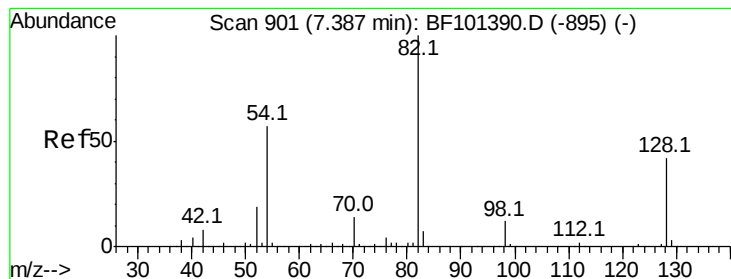
Delta R.T. -0.02 min

Lab File: BF101865.D

Acq: 3 Jan 2018 17:38

Tgt Ion:	136	Resp:	480486
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	9.0	6.6	9.8
68	6.6	5.0	7.4





#23

Nitrobenzene-d5

Concen: 66.758 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.02 min

Lab File: BF101865.D

Acq: 3 Jan 2018 17:38

Instrument :

BNA_F

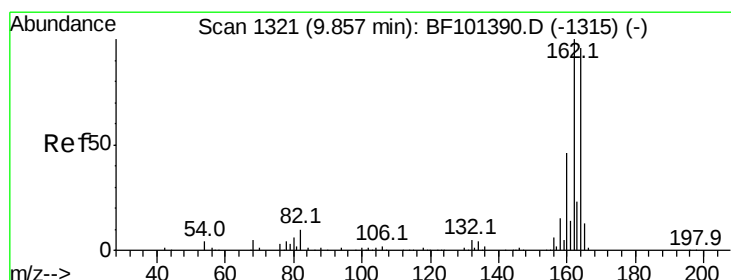
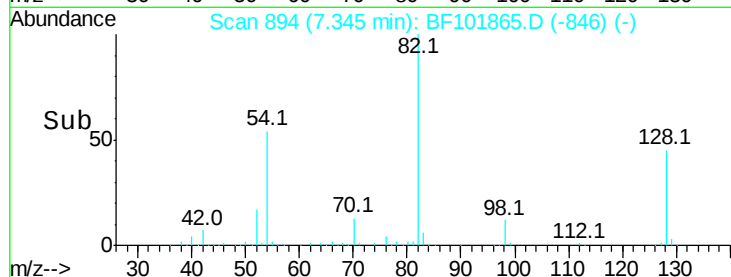
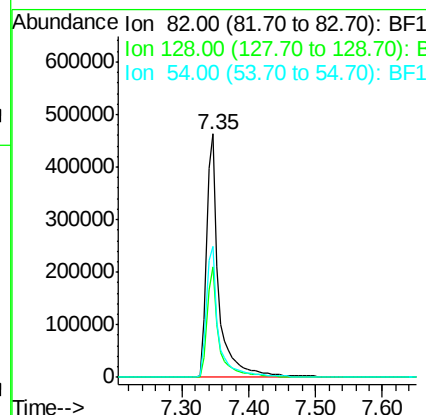
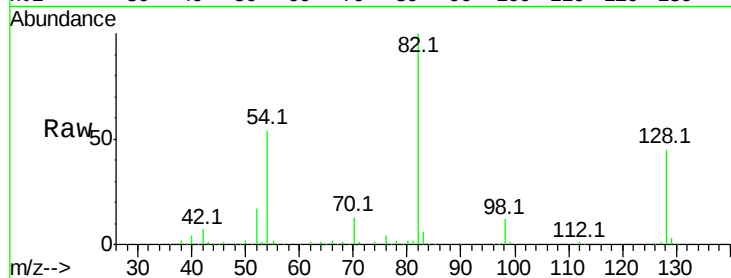
ClientSampleId :

CL-01-122917-A

Tot Ion:	82	Resp:	576231
Ion Ratio	Lower	Upper	
82	100		
128	45.4	36.1	54.1
54	53.7	41.4	62.2

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#38

Acenaphthene-d10

Concen: 20.000 ng

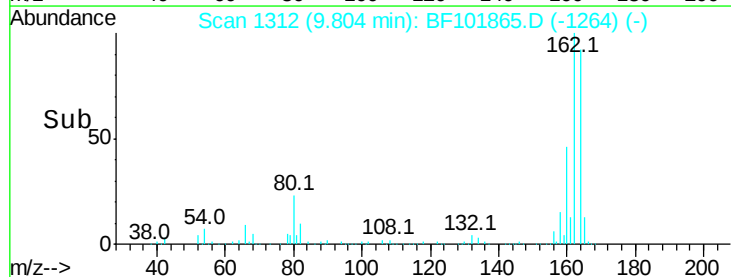
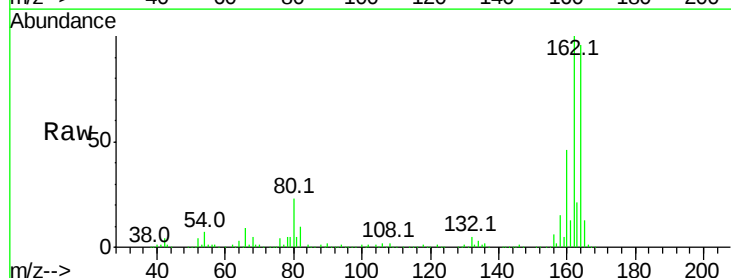
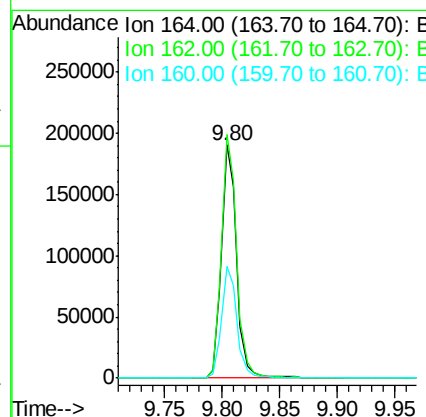
RT: 9.80 min Scan# 1312

Delta R.T. -0.02 min

Lab File: BF101865.D

Acq: 3 Jan 2018 17:38

Tgt Ion:	164	Resp:	173446
Ion Ratio	Lower	Upper	
164	100		
162	104.5	86.1	129.1
160	48.0	38.3	57.5





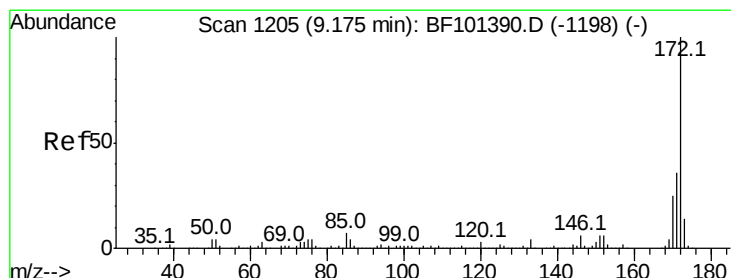
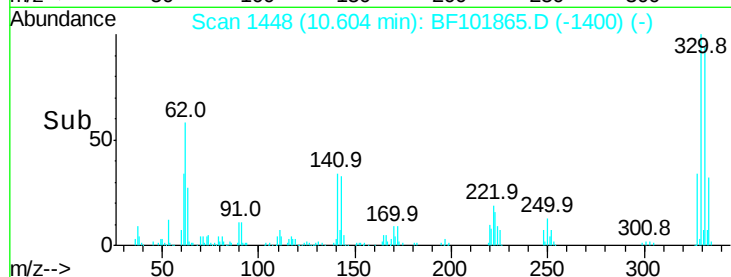
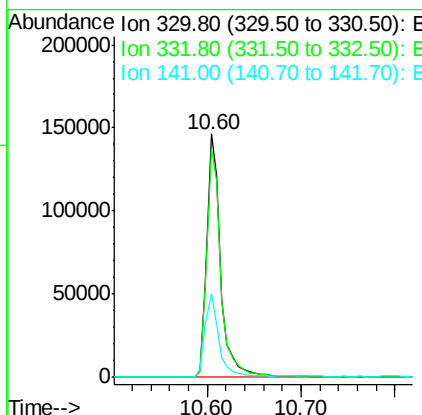
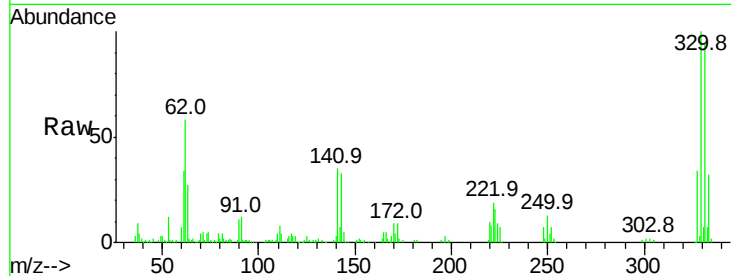
#41
 2,4,6-Tribromophenol
 Concen: 91.601 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. -0.02 min
 Lab File: BF101865.D
 Acq: 3 Jan 2018 17:38

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-122917-A

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.0	115.6
141	33.6	29.9	44.9

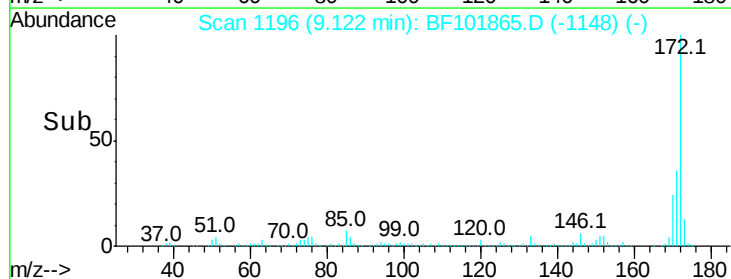
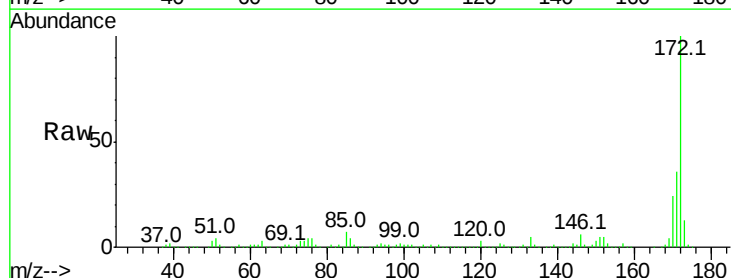
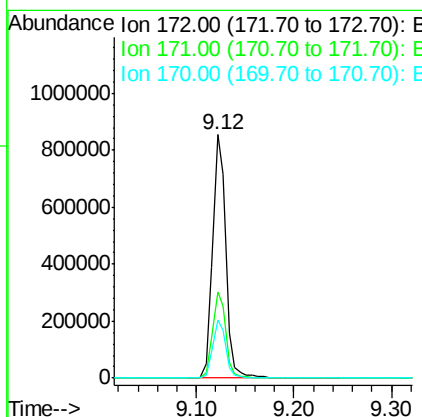
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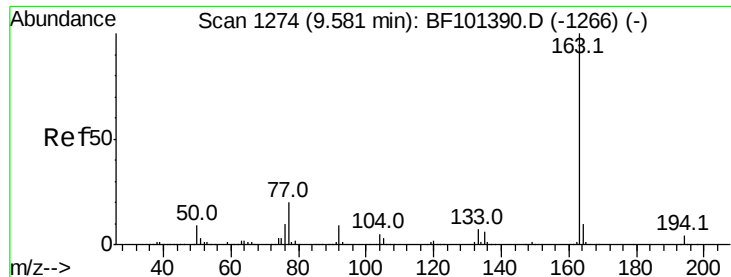
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#44
 2-Fluorobiphenyl
 Concen: 71.944 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. -0.02 min
 Lab File: BF101865.D
 Acq: 3 Jan 2018 17:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.7	44.5
170	23.8	19.6	29.4





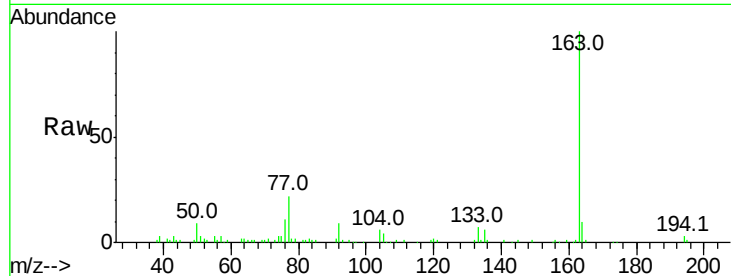
#49
Dimethylphthalate
Concen: 5.341 ng
RT: 9.52 min Scan# 1264
Delta R.T. -0.03 min
Lab File: BF101865.D
Acq: 3 Jan 2018 17:38

Instrument :
BNA_F
ClientSampleId :
CL-01-122917-A

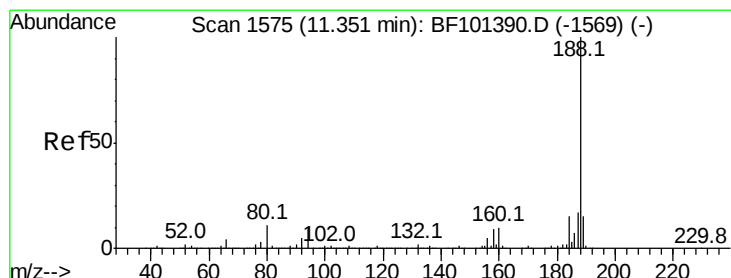
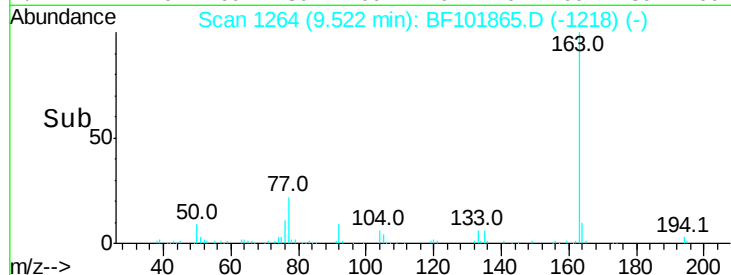
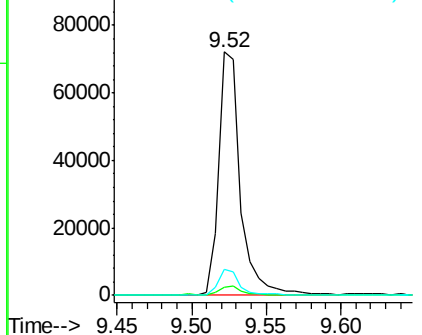
Tot Ion	Ratio	Resp	Lower	Upper
163	100	74517		
194	3.4		2.7	4.1
164	10.5		8.2	12.2

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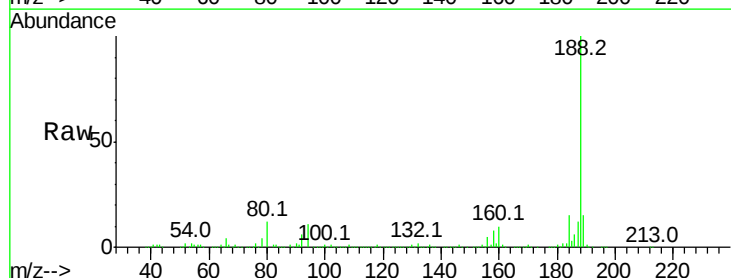


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

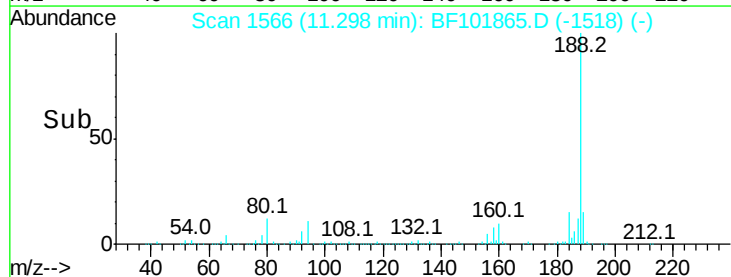
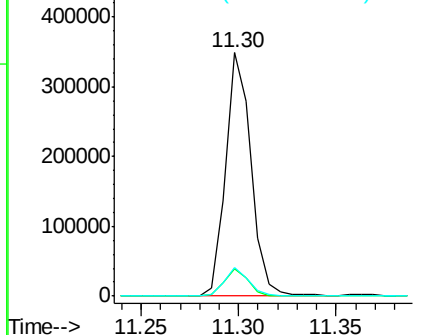


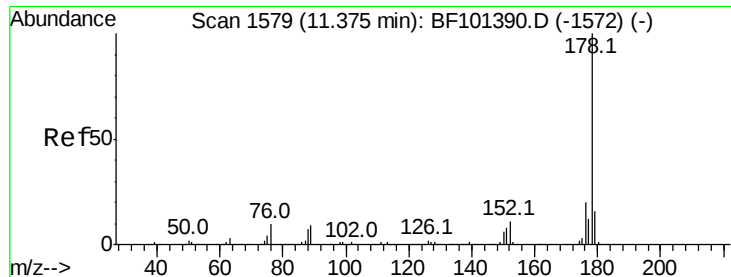
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.02 min
Lab File: BF101865.D
Acq: 3 Jan 2018 17:38

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	315043		
94	11.1		8.5	12.7
80	11.7		9.2	13.8



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





#70

Phenanthrene

Concen: 6.447 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BF101865.D

Acq: 3 Jan 2018 17:38

Instrument :

BNA_F

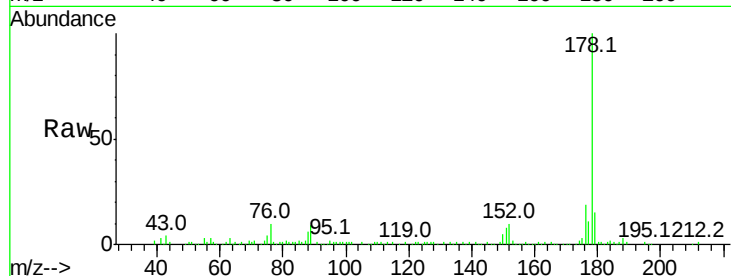
ClientSampleId :

CL-01-122917-A

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	15.2	13.0	19.6

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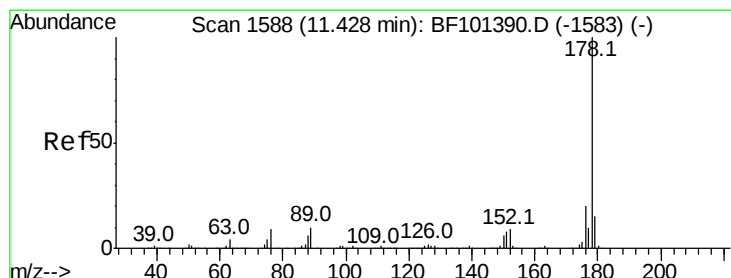
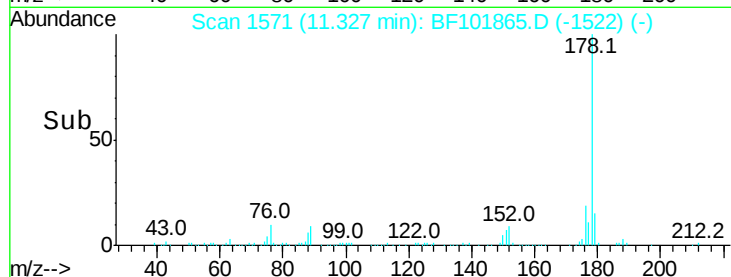
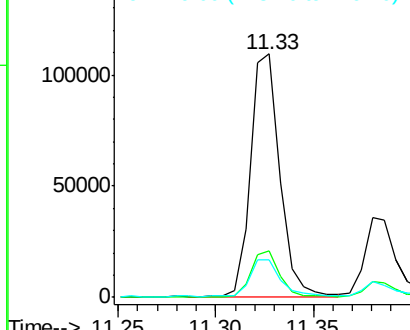
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 2.270 ng m

RT: 11.38 min Scan# 1580

Delta R.T. -0.01 min

Lab File: BF101865.D

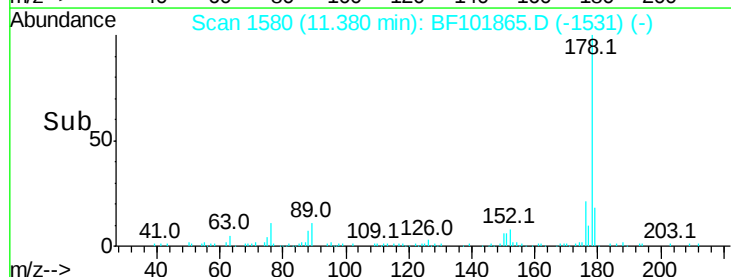
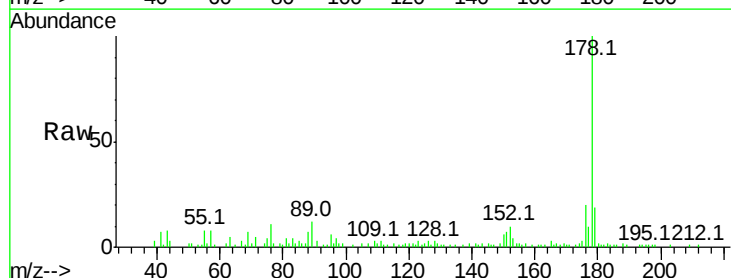
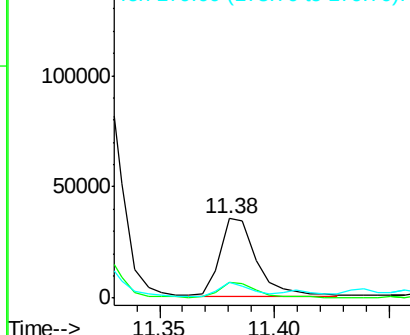
Acq: 3 Jan 2018 17:38

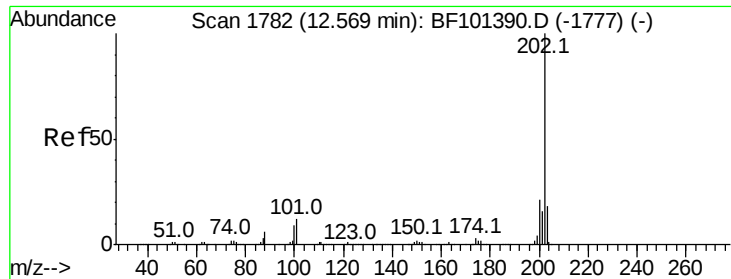
Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.5	15.4	23.2
179	19.4	12.6	19.0

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: 17.907 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.01 min

Lab File: BF101865.D

Acq: 3 Jan 2018 17:38

Instrument :

BNA_F

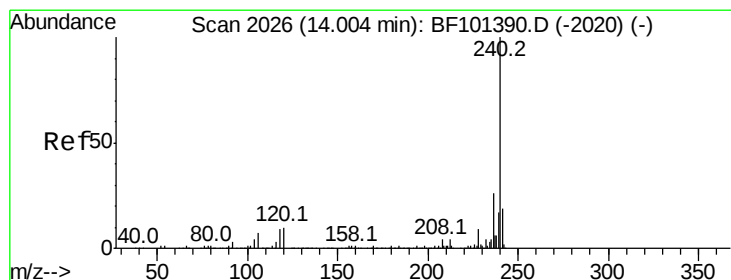
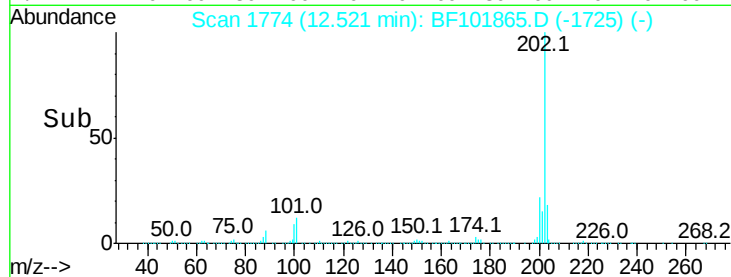
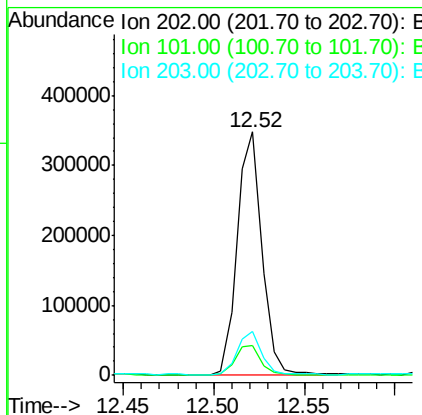
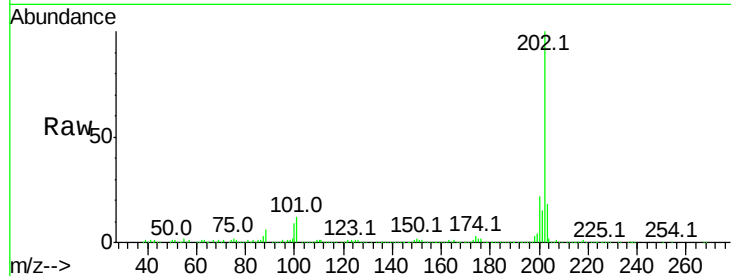
ClientSampleId :

CL-01-122917-A

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.2	0.0	34.1
203	17.8	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

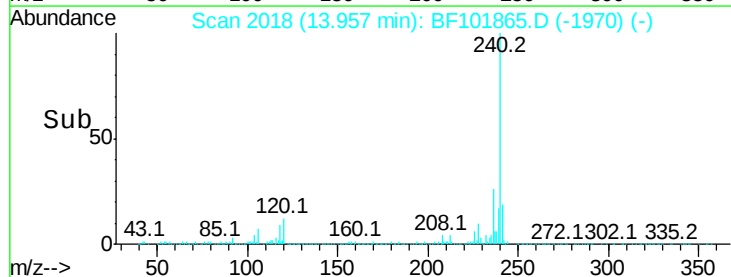
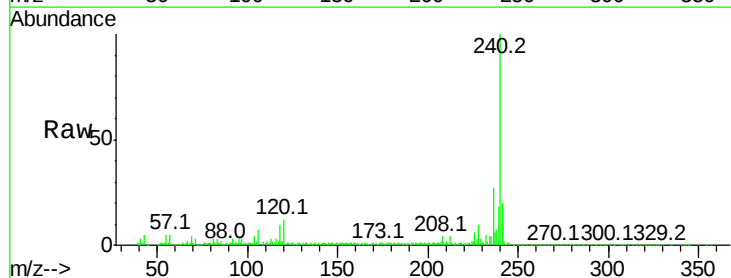
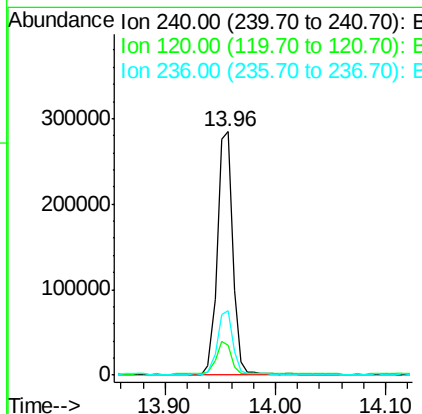
RT: 13.96 min Scan# 2018

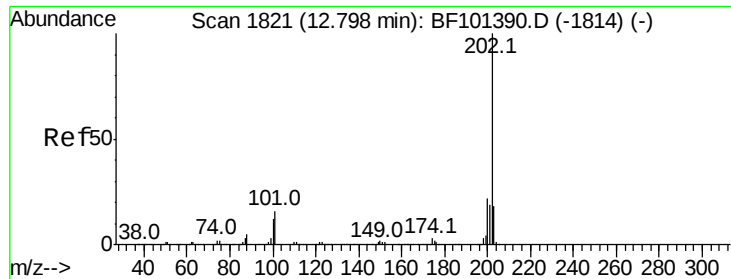
Delta R.T. -0.02 min

Lab File: BF101865.D

Acq: 3 Jan 2018 17:38

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.3	9.5	14.3
236	26.7	20.7	31.1





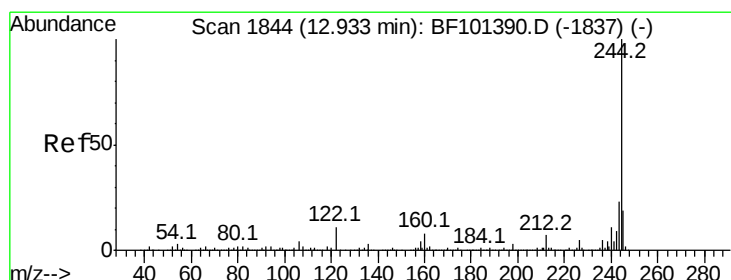
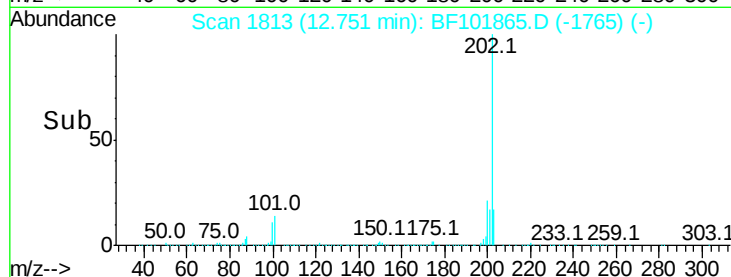
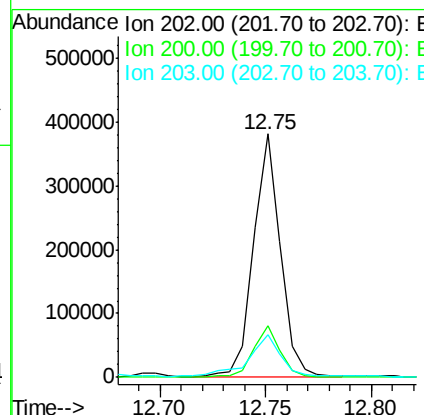
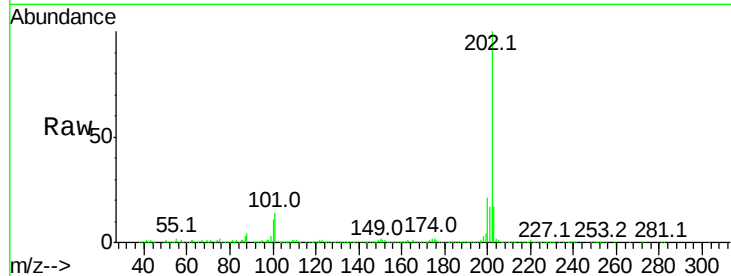
#77
Pvrene
Concen: 16.202 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.02 min
Lab File: BF101865.D
Acq: 3 Jan 2018 17:38

Instrument :
BNA_F
ClientSampleId :
CL-01-122917-A

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.2	17.4	26.2
203	17.3	14.3	21.5

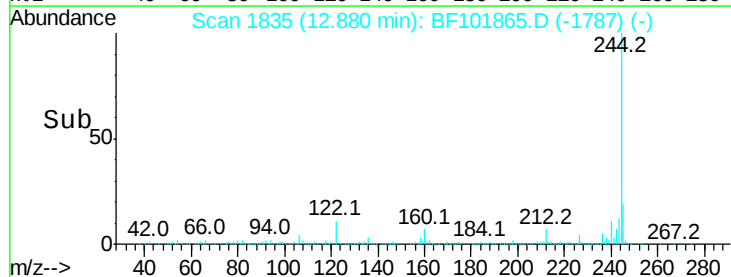
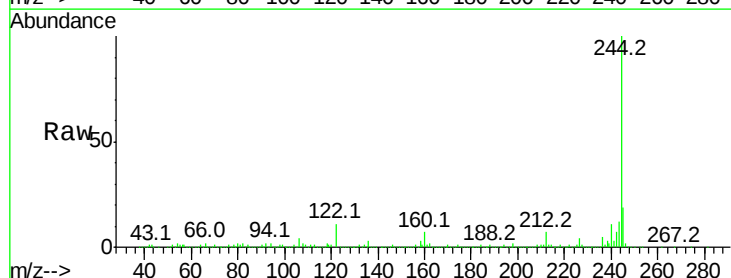
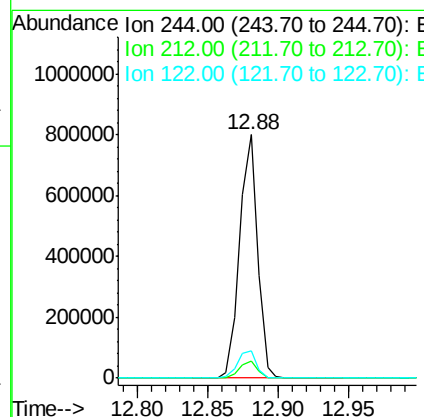
Manual Integrations
APPROVED

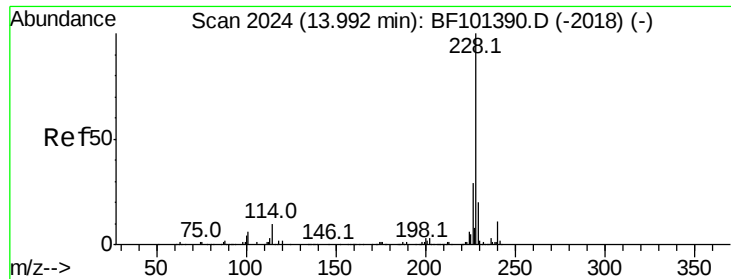
Sohil
1/4/2018 1:56:29 PM



#78
Terphenyl-d14
Concen: 61.885 ng
RT: 12.88 min Scan# 1835
Delta R.T. -0.02 min
Lab File: BF101865.D
Acq: 3 Jan 2018 17:38

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.0	5.4	8.0
122	11.3	11.0	16.4





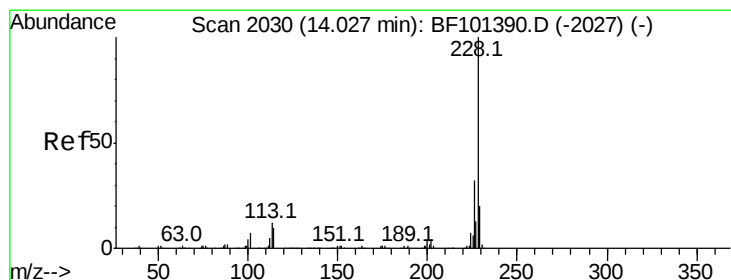
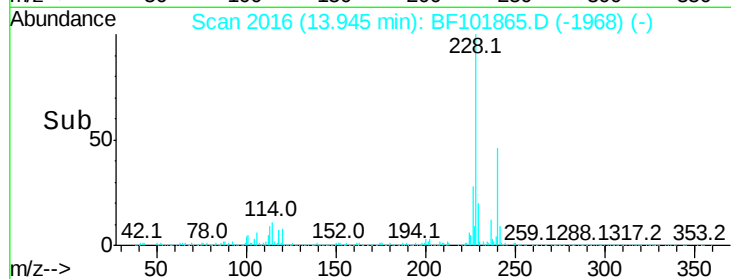
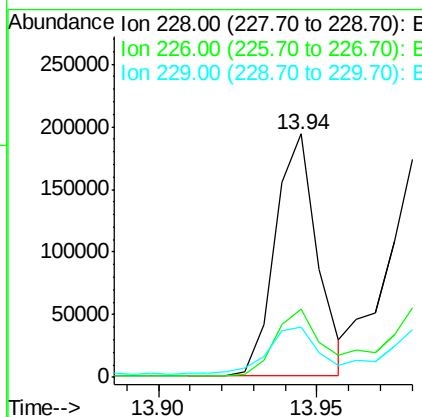
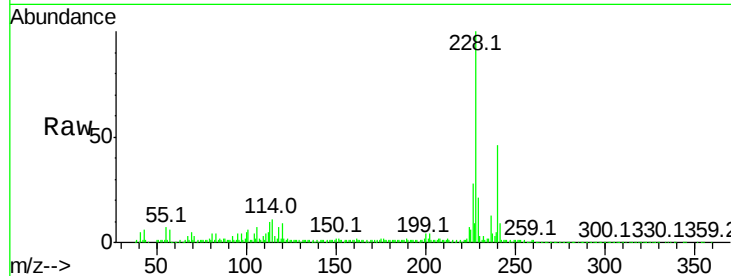
#80
Benzo(a)anthracene
Concen: 9.734 ng
RT: 13.94 min Scan# 2016
Delta R.T. -0.02 min
Lab File: BF101865.D
Acq: 3 Jan 2018 17:38

Instrument :
BNA_F
ClientSampleId :
CL-01-122917-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.6	33.8
229	20.6	15.8	23.6

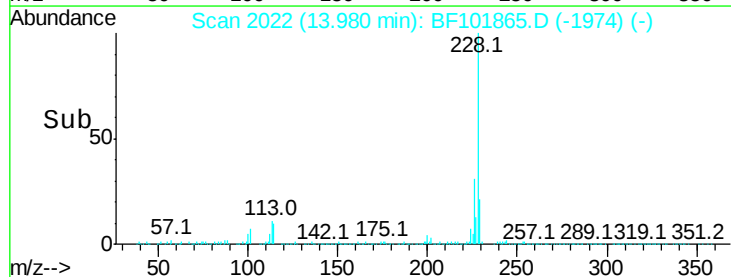
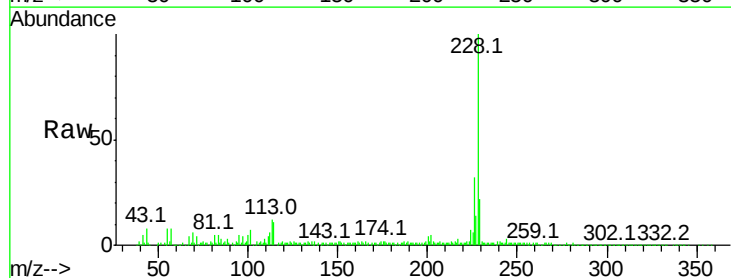
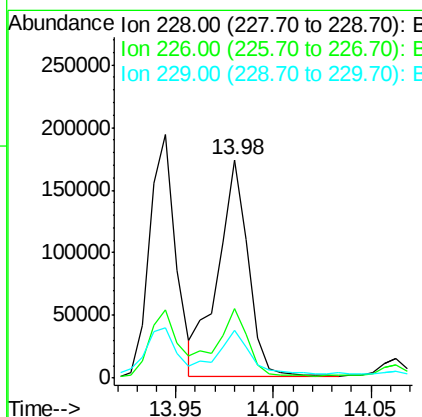
Manual Integrations
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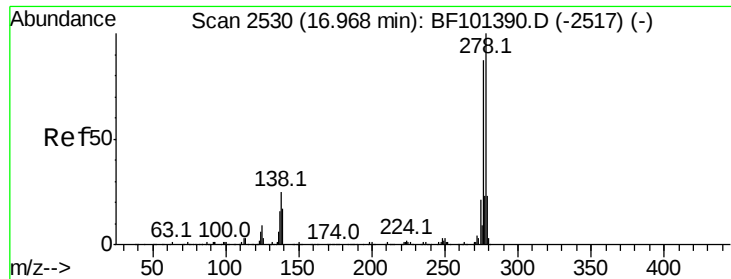
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#82
Chrysene
Concen: 10.699 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.02 min
Lab File: BF101865.D
Acq: 3 Jan 2018 17:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.2	25.0	37.6
229	22.1	16.2	24.4





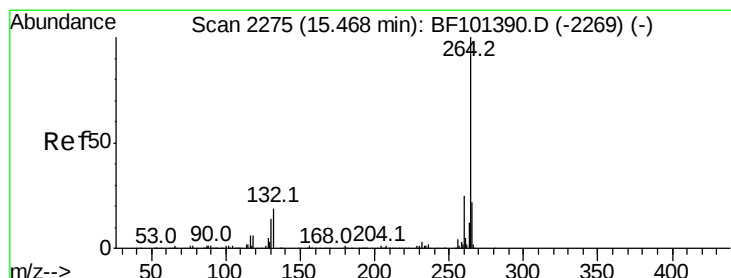
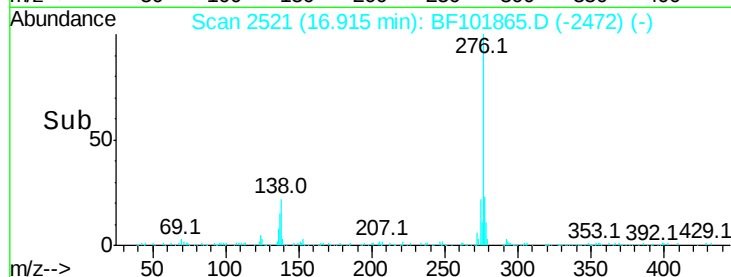
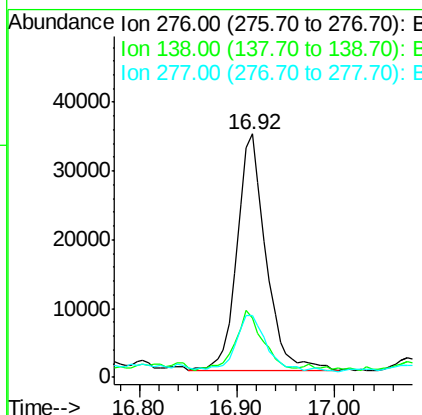
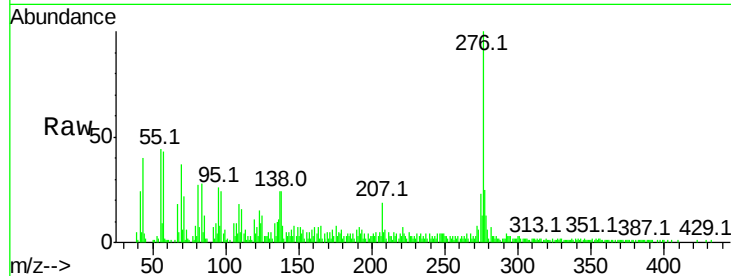
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.618 ng
RT: 16.92 min Scan# 2521
Delta R.T. -0.01 min
Lab File: BF101865.D
Acq: 3 Jan 2018 17:38

Instrument :
BNA_F
ClientSampleId :
CL-01-122917-A

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.6	25.0	37.6#
277	23.6	20.1	30.1

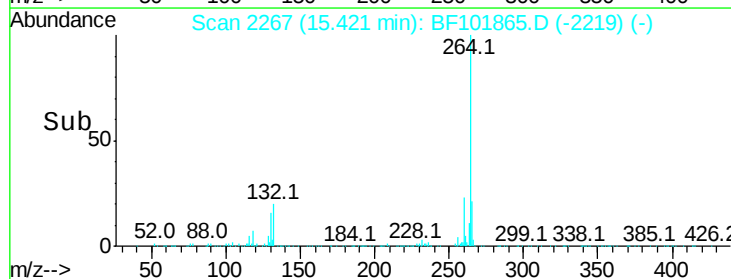
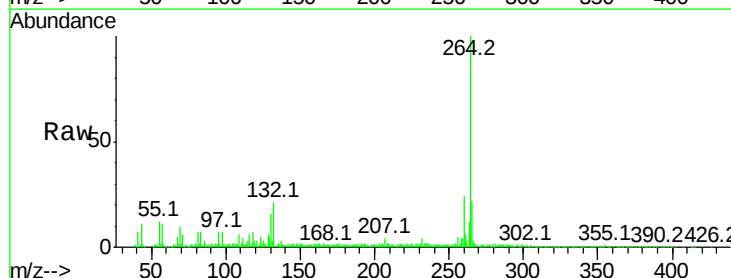
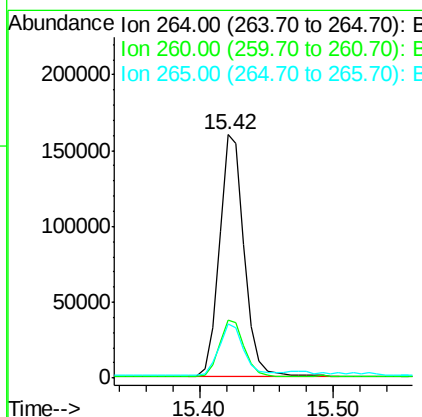
Manual Integrations
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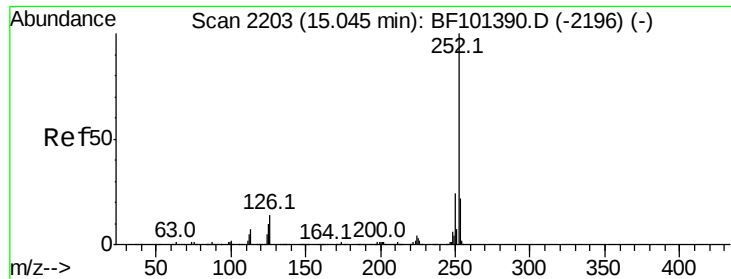
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.02 min
Lab File: BF101865.D
Acq: 3 Jan 2018 17:38

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.1	17.5	26.3





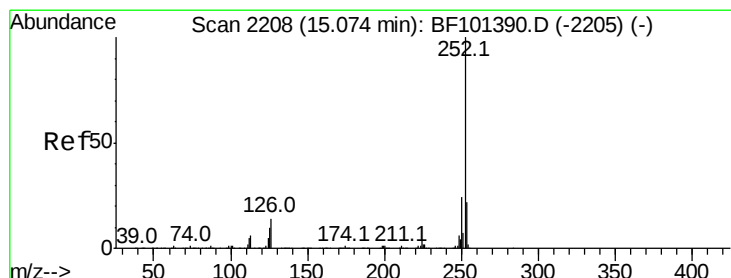
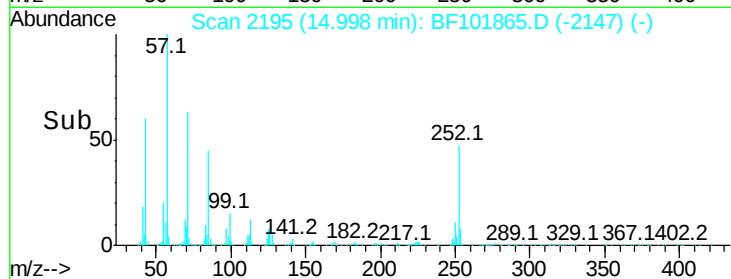
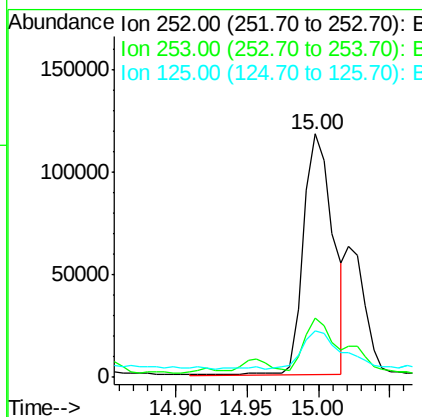
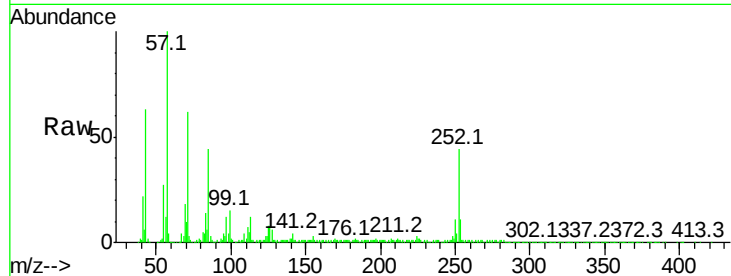
#87
Benzo(b)fluoranthene
Concen: 13.232 ng m
RT: 15.00 min Scan# 2195
Delta R.T. -0.02 min
Lab File: BF101865.D
Acq: 3 Jan 2018 17:38

Instrument :
BNA_F
ClientSampleId :
CL-01-122917-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.0	25.6
125	19.1	9.0	13.6

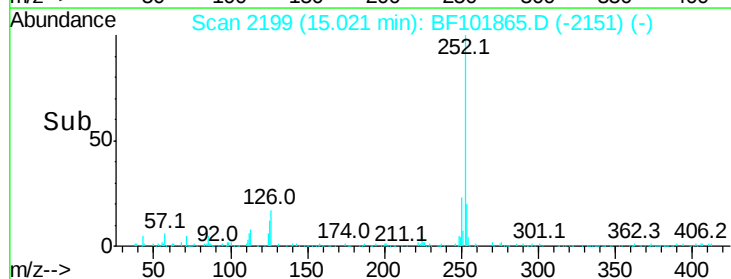
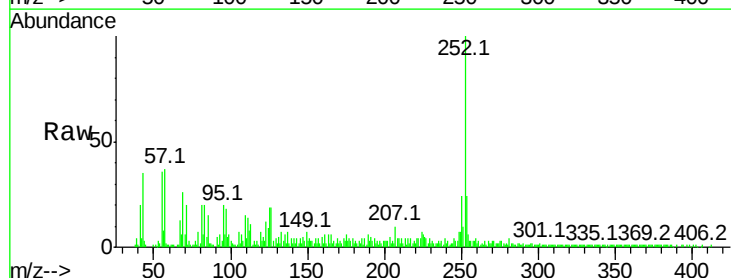
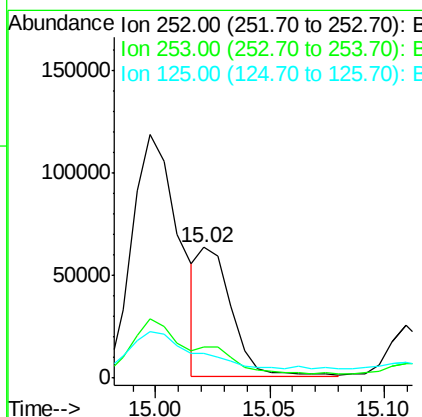
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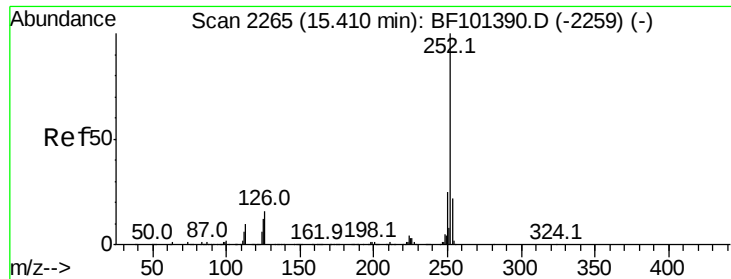
Sohil
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#88
Benzo(k)fluoranthene
Concen: 5.097 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.02 min
Lab File: BF101865.D
Acq: 3 Jan 2018 17:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	18.9	10.2	15.2





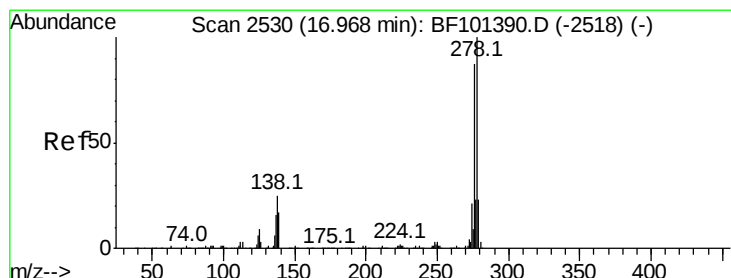
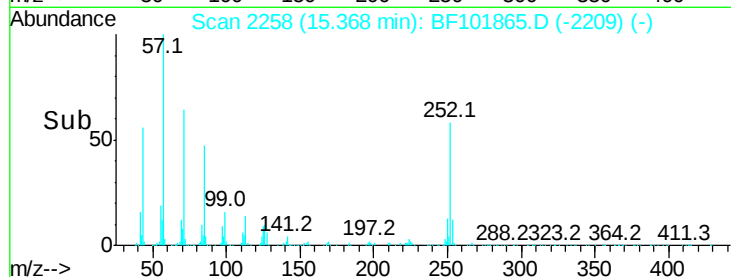
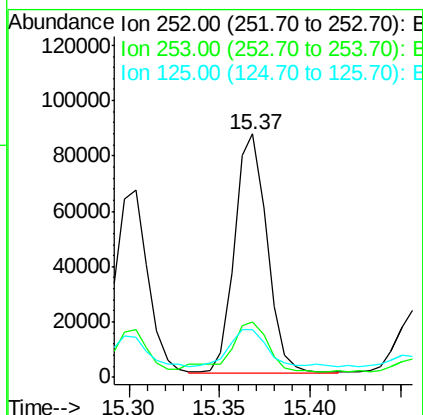
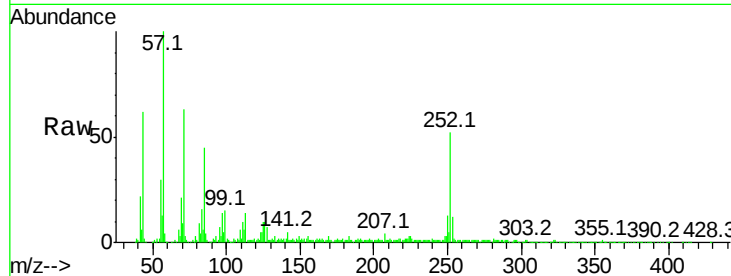
#89
Benzo(a)pyrene
Concen: 9.256 ng
RT: 15.37 min Scan# 2258
Delta R.T. -0.01 min
Lab File: BF101865.D
Acq: 3 Jan 2018 17:38

Instrument :
BNA_F
ClientSampleId :
CL-01-122917-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	19.8	9.8	14.6

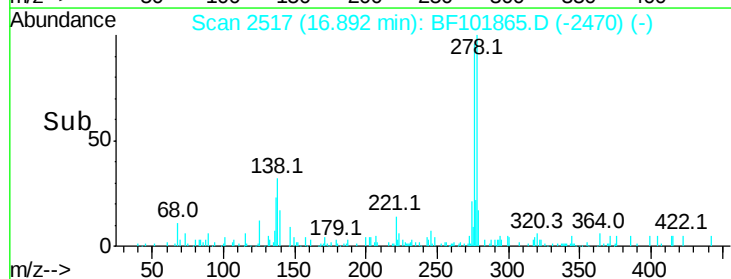
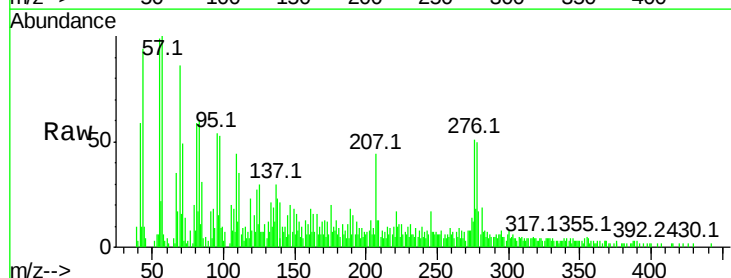
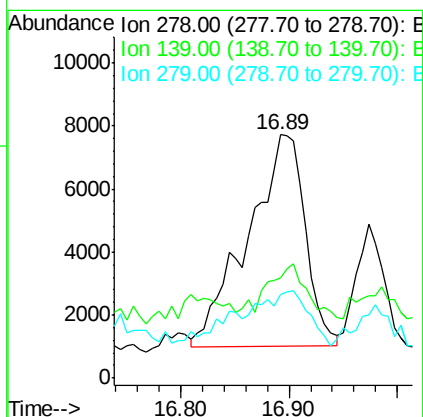
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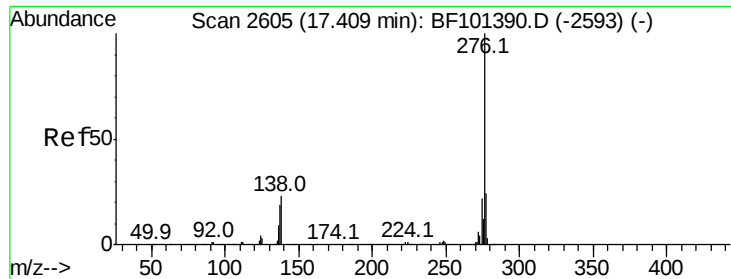
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 2.460 ng m
RT: 16.89 min Scan# 2517
Delta R.T. -0.02 min
Lab File: BF101865.D
Acq: 3 Jan 2018 17:38

Tgt Ion	Ratio	Lower	Upper
278	100		
139	41.1	15.9	23.9
279	34.5	19.0	28.4





#91

Benzo(a,h,i)perylene

Concen: 6.469 ng

RT: 17.36 min Scan# 2597

Delta R.T. -0.01 min

Lab File: BF101865.D

Acq: 3 Jan 2018 17:38

Instrument :

BNA_F

ClientSampleId :

CL-01-122917-A

Tot Ion:	276	Resp:	64652
Ion Ratio	Lower	Upper	
276	100		
277	28.1	17.9	26.9#
138	26.4	21.8	32.8

Manual Integrations
APPROVED

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