

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF111317\
 Data File : BF100512.D
 Acq On : 13 Nov 2017 20:01
 Operator : SJ/JU
 Sample : I6301-15 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-110917-H

Manual Integrations
 APPROVED

SOHIL
 11/14/2017 5:20:34 PM

Quant Time: Nov 14 03:06:00 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 13 14:08:38 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	77500	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	284808	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	117977	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	181398	20.00	ng	0.00
75) Chrysene-d12	14.06	240	160832	20.00	ng	0.00
86) Perylene-d12	15.53	264	119652	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	111397	23.04	ng	0.00
7) Phenol-d6	6.50	99	133347	22.37	ng	-0.01
23) Nitrobenzene-d5	7.45	82	75714	17.58	ng	-0.01
41) 2,4,6-Tribromophenol	10.72	330	26810	22.30	ng	0.00
44) 2-Fluorobiphenyl	9.25	172	152113	19.63	ng	0.00
78) Terphenyl-d14	13.00	244	103637	14.81	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.64	163	26636	2.957	ng	98
70) Phenanthrene	11.44	178	73061	7.650	ng	98
71) Anthracene	11.49	178	22663	2.339	ng	98
74) Fluoranthene	12.63	202	126174	12.465	ng	93
77) Pyrene	12.86	202	115595	10.083	ng	99
80) Benzo(a)anthracene	14.04	228	57250	5.911	ng	96
82) Chrysene	14.08	228	51140	5.453	ng	96
85) Indeno(1,2,3-cd)pyrene	17.02	276	18538	2.444	ng	# 86
87) Benzo(b)fluoranthene	15.10	252	46422m	6.549	ng	
88) Benzo(k)fluoranthene	15.13	252	17864m	2.667	ng	
89) Benzo(a)pyrene	15.47	252	31791	5.059	ng	# 89
91) Benzo(a,h,i)perylene	17.47	276	18742	3.725	ng	# 89

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

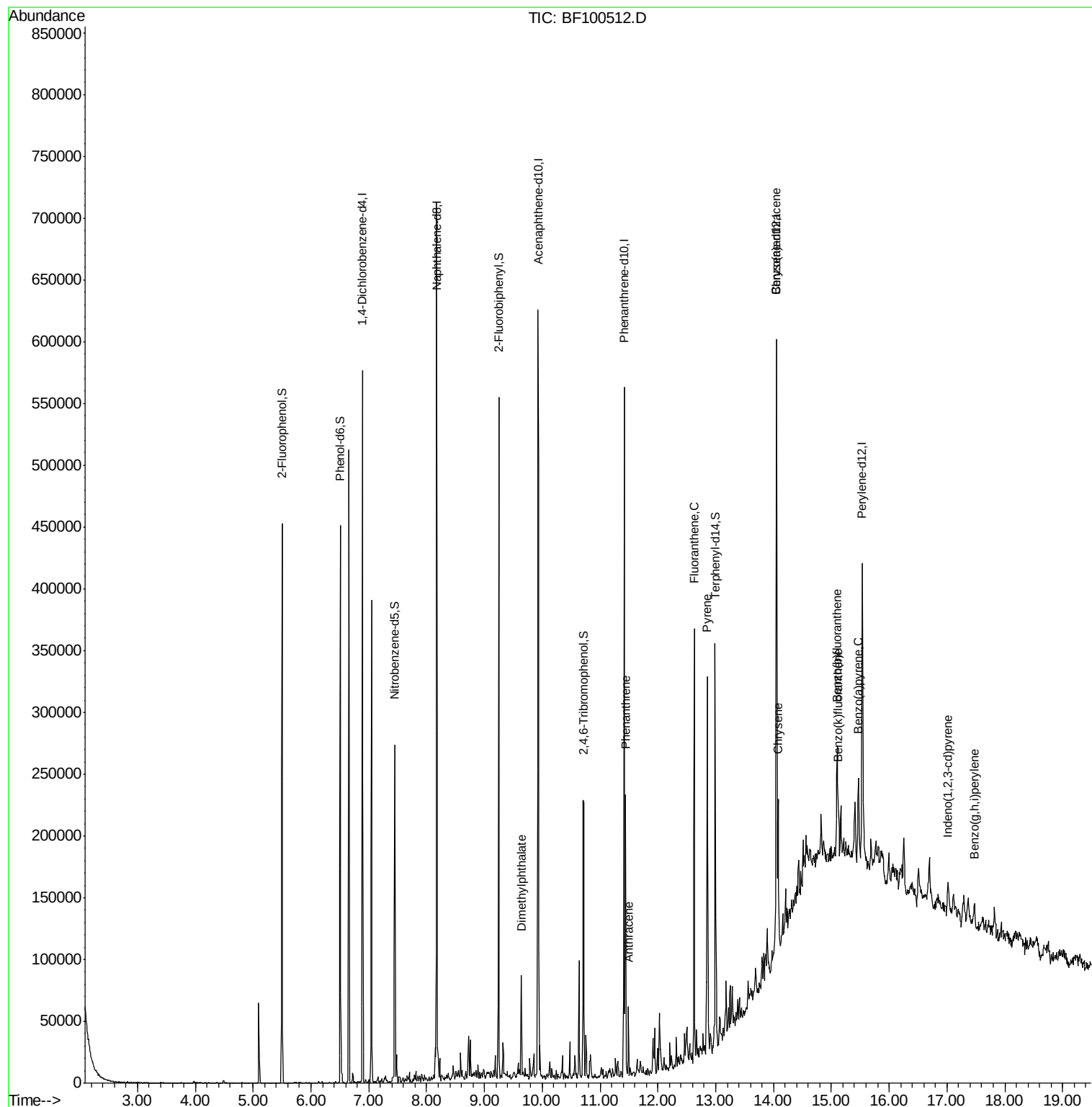
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF111317\
Data File : BF100512.D
Acq On : 13 Nov 2017 20:01
Operator : SJ/JU
Sample : I6301-15 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

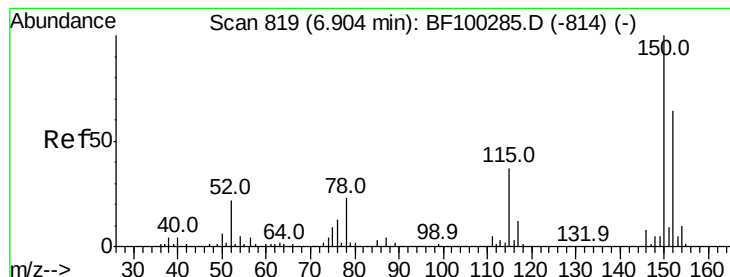
Instrument :
BNA_F
ClientSampleId :
JC-02-110917-H

Manual Integrations
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SOHIL
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Quant Time: Nov 14 03:06:00 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

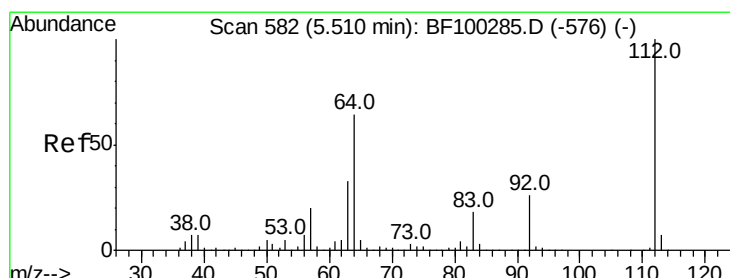
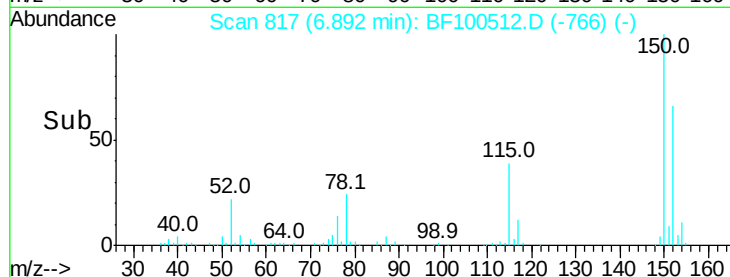
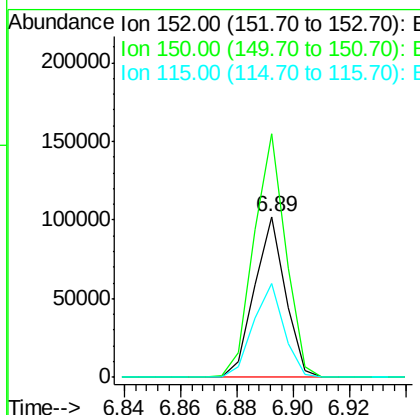
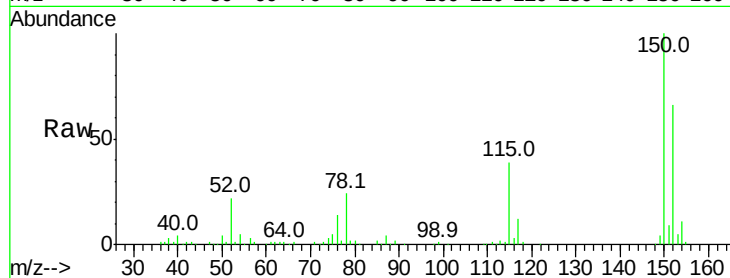
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. 0.00 min
Lab File: BF100512.D
Acq: 13 Nov 2017 20:01

Instrument :
BNA_F
ClientSampleId :
JC-02-110917-H

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.2	124.6	186.8
115	58.6	50.1	75.1

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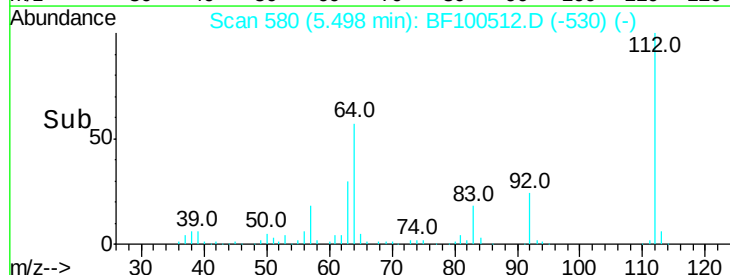
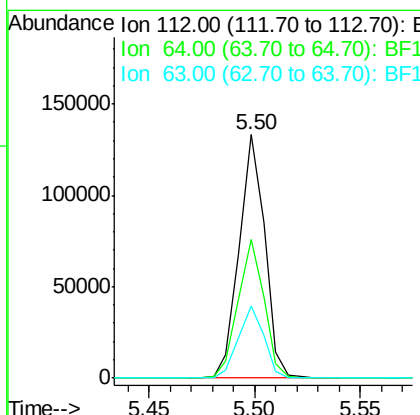
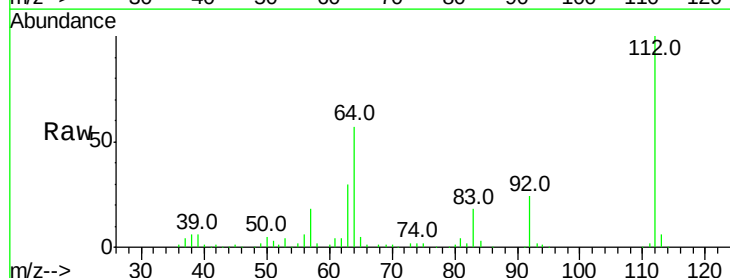
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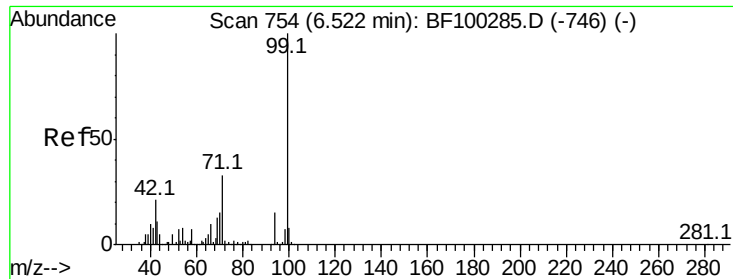


#5

2-Fluorophenol
Concen: 23.041 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.01 min
Lab File: BF100512.D
Acq: 13 Nov 2017 20:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.2	47.9	71.9
63	29.7	23.7	35.5





#7

Phenol-d6

Concen: 22.367 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF100512.D

Acq: 13 Nov 2017 20:01

Instrument :

BNA_F

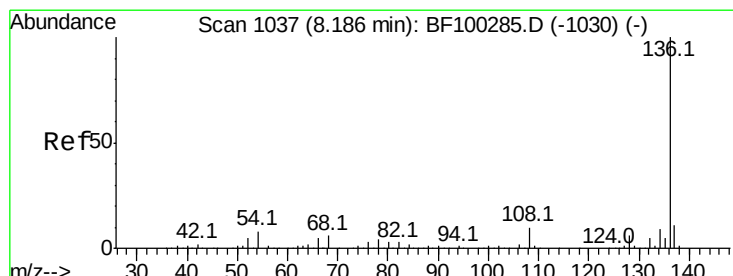
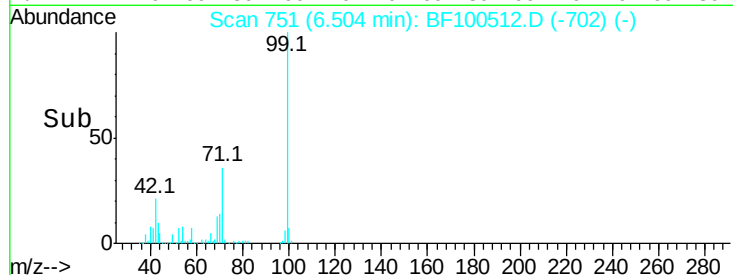
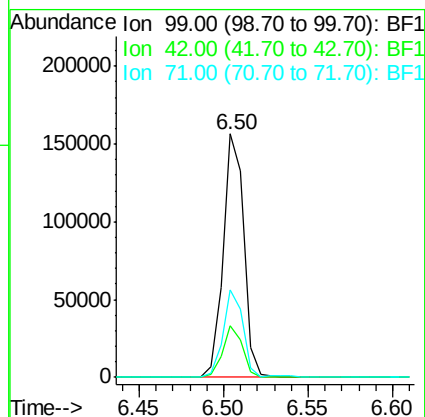
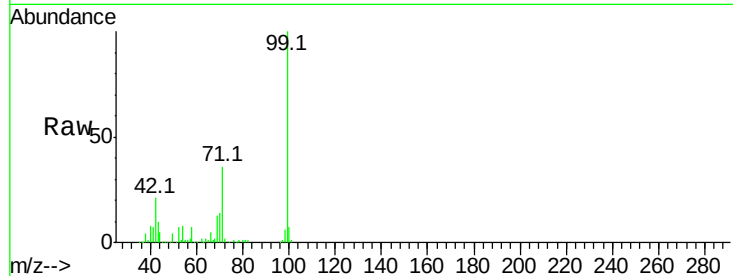
ClientSampleId :

JC-02-110917-H

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		133347		
42	21.2	14.5	21.7		
71	36.2	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

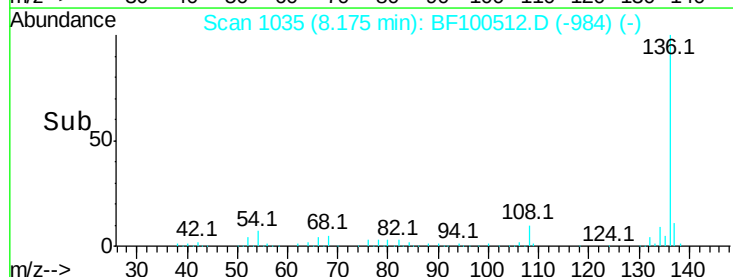
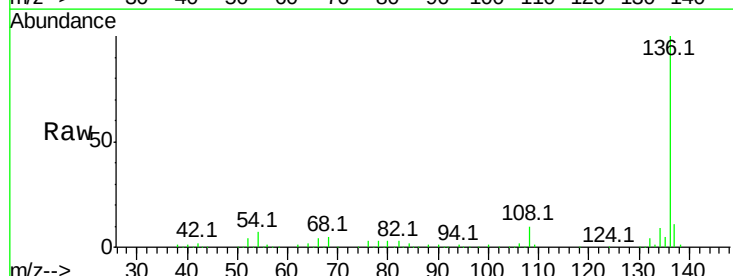
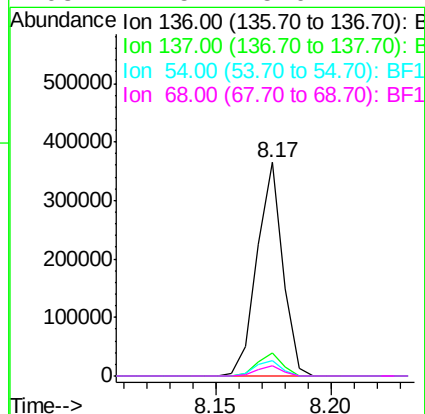
RT: 8.17 min Scan# 1035

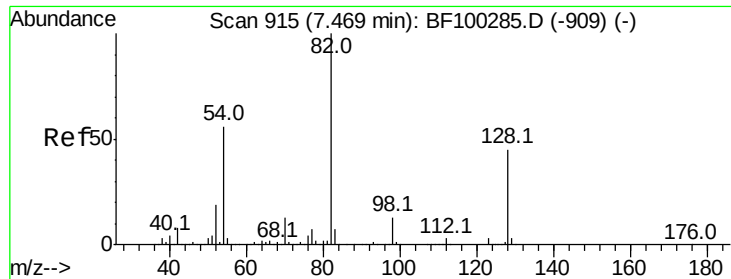
Delta R.T. 0.00 min

Lab File: BF100512.D

Acq: 13 Nov 2017 20:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		284808		
137	10.7	8.9	13.3		
54	6.9	6.6	9.8		
68	4.5	5.0	7.4		





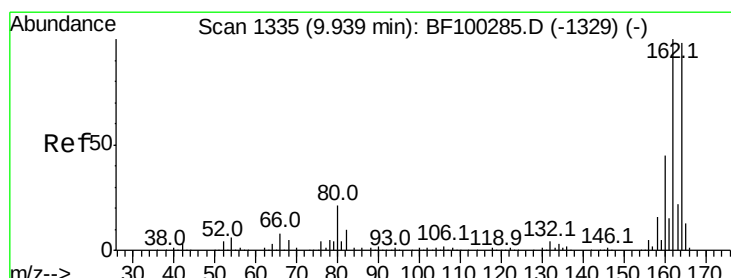
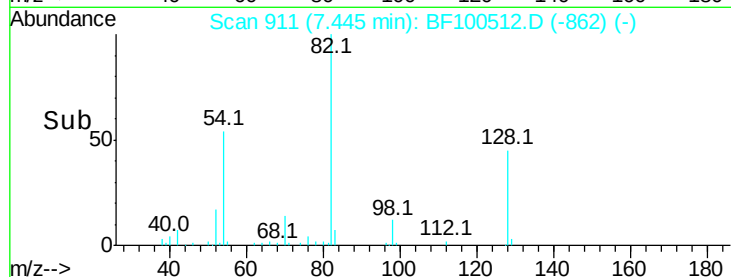
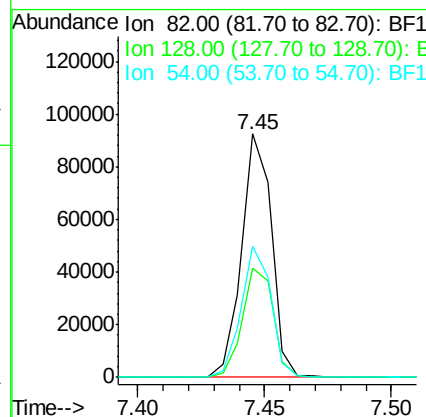
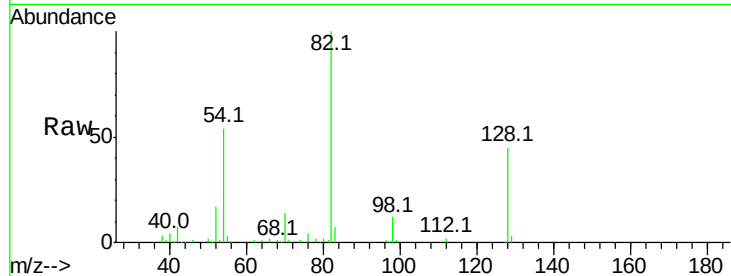
#23
Nitrobenzene-d5
Concen: 17.576 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF100512.D
Acq: 13 Nov 2017 20:01

Instrument :
BNA_F
ClientSampleId :
JC-02-110917-H

Tot Ion	82	Resp	75714
Ion Ratio	100	Lower	Upper
128	44.7	36.1	54.1
54	53.6	41.4	62.2

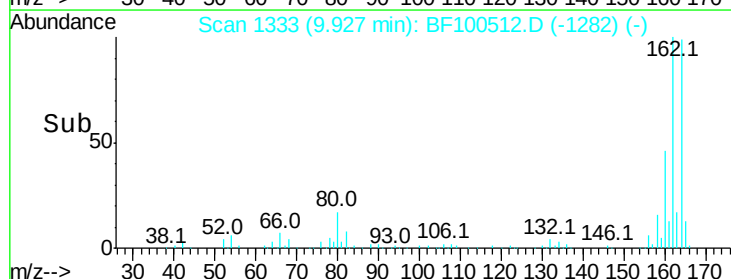
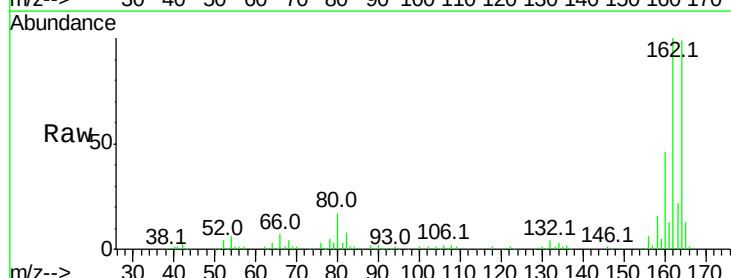
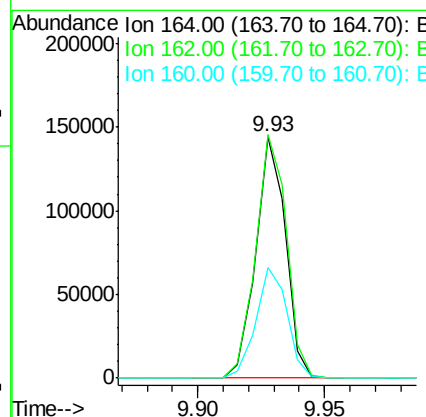
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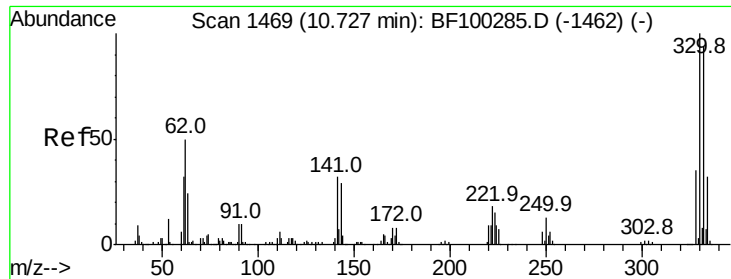
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. 0.00 min
Lab File: BF100512.D
Acq: 13 Nov 2017 20:01

Tgt Ion	164	Resp	117977
Ion Ratio	100	Lower	Upper
162	100.8	86.1	129.1
160	45.9	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 22.301 ng

RT: 10.72 min Scan# 1467

Delta R.T. 0.00 min

Lab File: BF100512.D

Acq: 13 Nov 2017 20:01

Instrument :

BNA_F

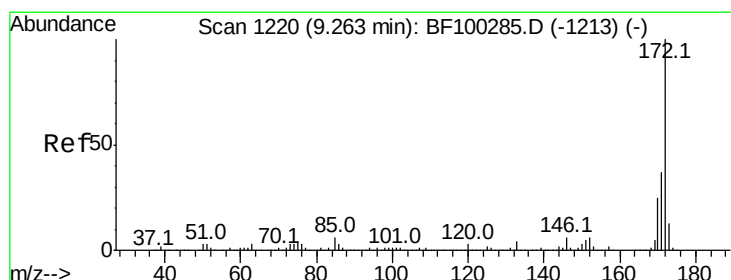
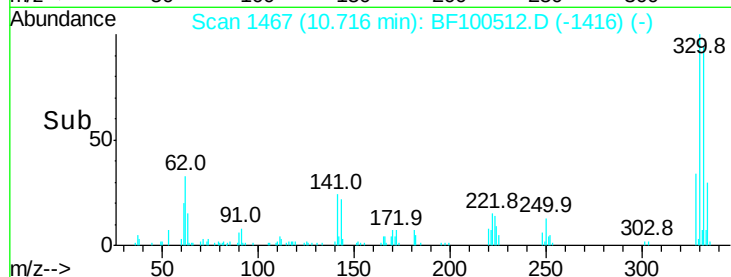
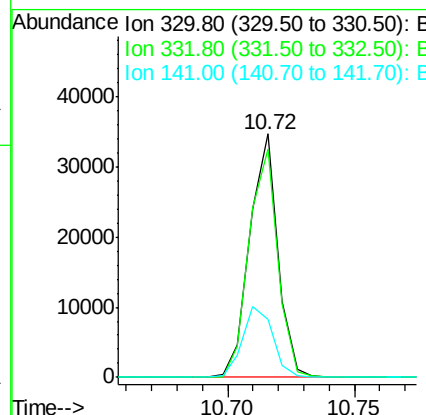
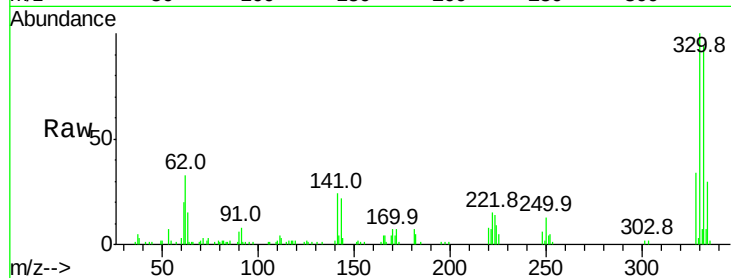
ClientSampleId :

JC-02-110917-H

Tot Ion:	330	Resp:	26810
Ion Ratio	Lower	Upper	
330	100		
332	95.5	77.0	115.6
141	31.4	29.9	44.9

Manual Integrations
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#44

2-Fluorobiphenyl

Concen: 19.633 ng

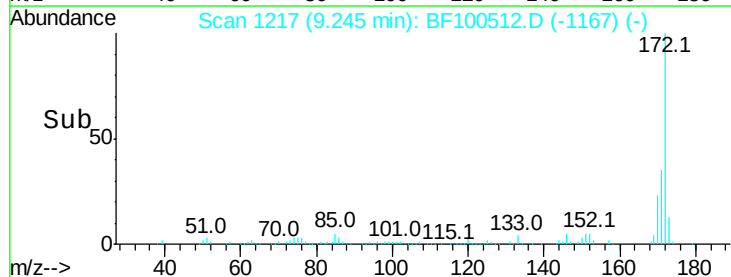
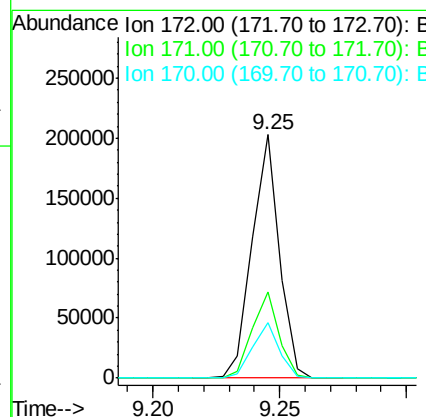
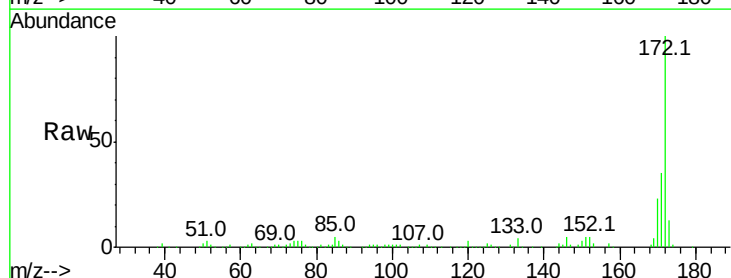
RT: 9.25 min Scan# 1217

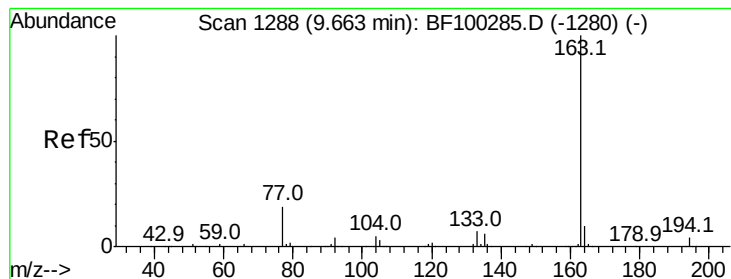
Delta R.T. -0.01 min

Lab File: BF100512.D

Acq: 13 Nov 2017 20:01

Tgt Ion:	172	Resp:	152113
Ion Ratio	Lower	Upper	
172	100		
171	35.5	29.7	44.5
170	22.8	19.6	29.4





#49

Dimethylphthalate

Concen: 2.957 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.01 min

Lab File: BF100512.D

Acq: 13 Nov 2017 20:01

Instrument :

BNA_F

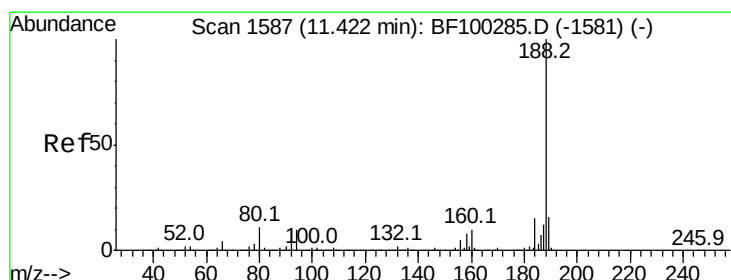
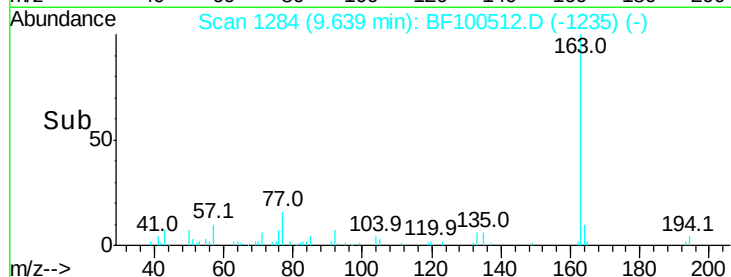
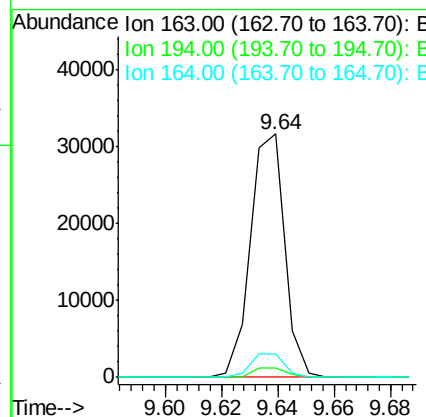
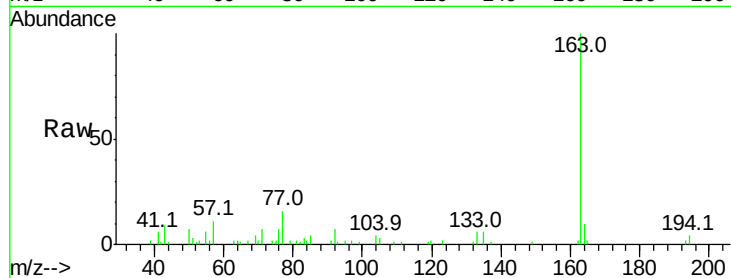
ClientSampleId :

JC-02-110917-H

Tot Ion:	163	Resp:	26636
Ion Ratio	Lower	Upper	
163	100		
194	4.1	2.7	4.1
164	9.6	8.2	12.2

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.000 ng

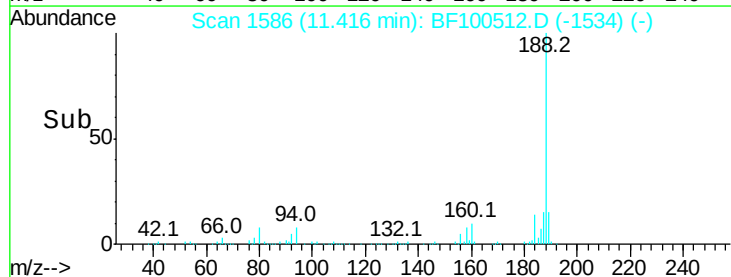
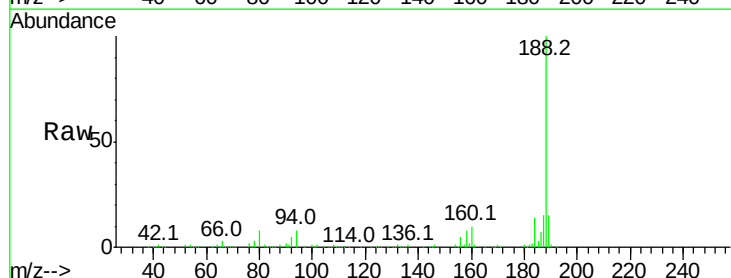
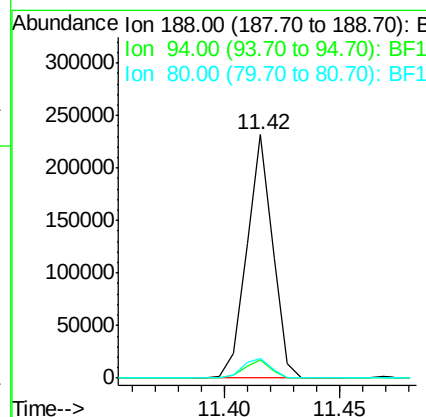
RT: 11.42 min Scan# 1586

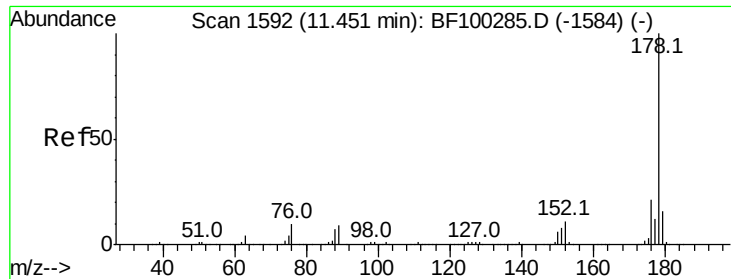
Delta R.T. 0.01 min

Lab File: BF100512.D

Acq: 13 Nov 2017 20:01

Tgt Ion:	188	Resp:	181398
Ion Ratio	Lower	Upper	
188	100		
94	7.5	8.5	12.7#
80	8.1	9.2	13.8#





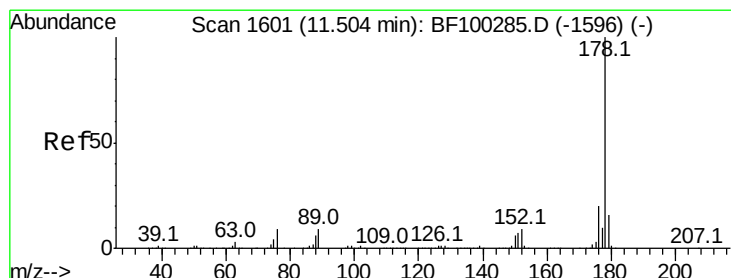
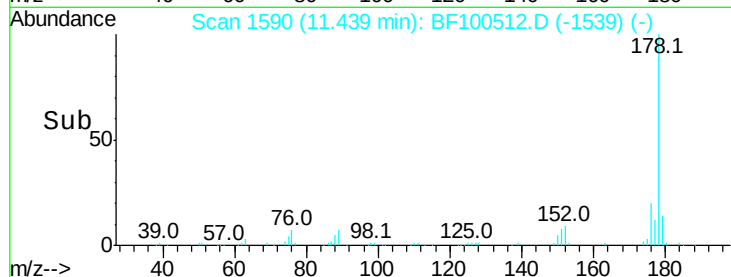
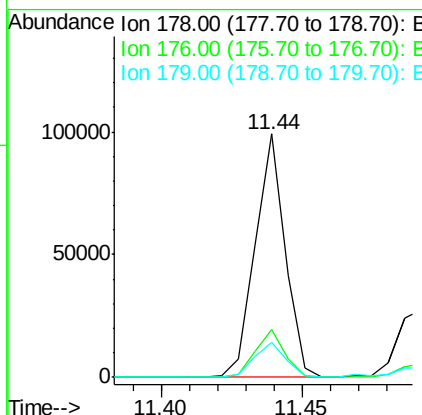
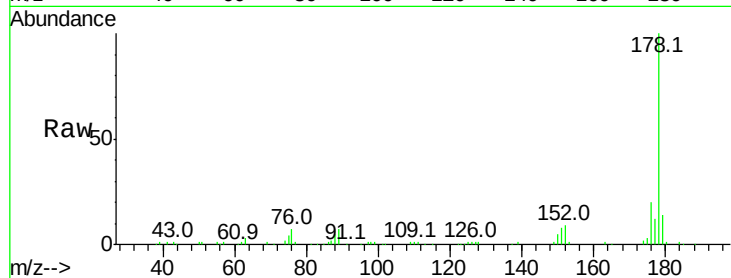
#70
Phenanthrene
Concen: 7.650 ng
RT: 11.44 min Scan# 1590
Delta R.T. 0.00 min
Lab File: BF100512.D
Acq: 13 Nov 2017 20:01

Instrument :
BNA_F
ClientSampleId :
JC-02-110917-H

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	14.4	13.0	19.6

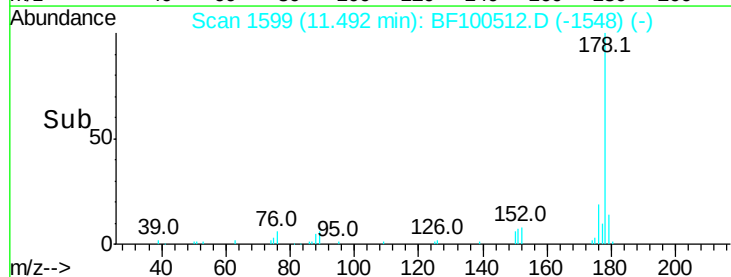
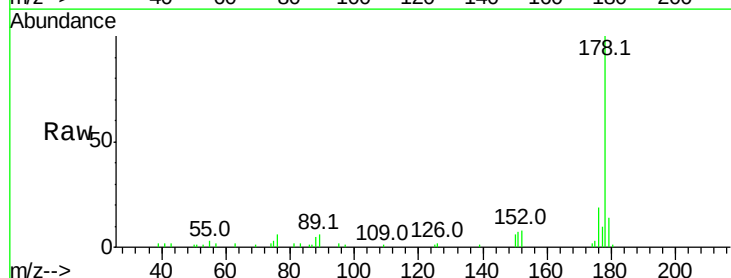
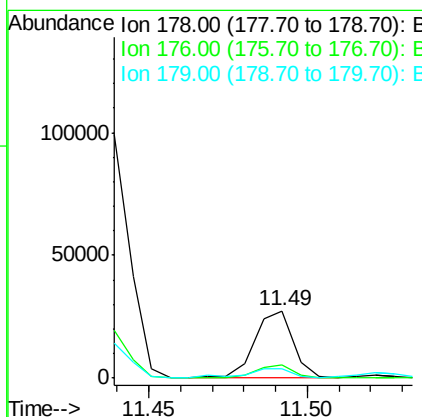
Manual Integrations
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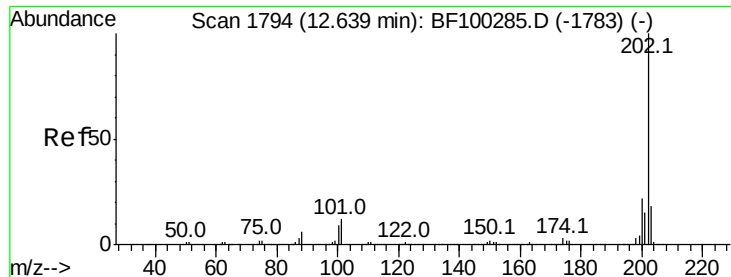
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#71
Anthracene
Concen: 2.339 ng
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: BF100512.D
Acq: 13 Nov 2017 20:01

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	14.4	12.6	19.0





#74

Fluoranthene

Concen: 12.465 ng

RT: 12.63 min Scan# 1792

Delta R.T. 0.00 min

Lab File: BF100512.D

Acq: 13 Nov 2017 20:01

Instrument :

BNA_F

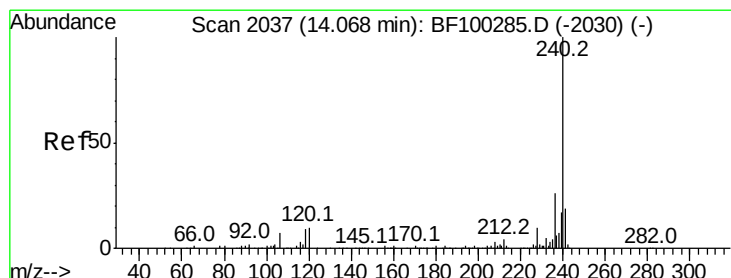
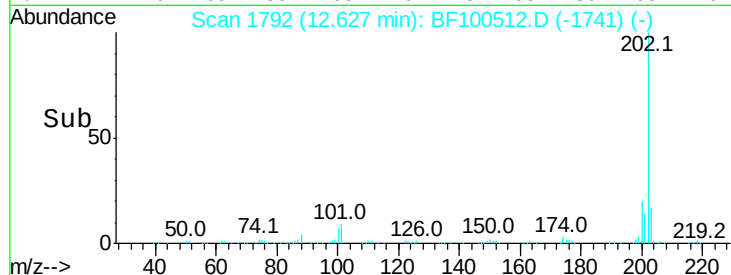
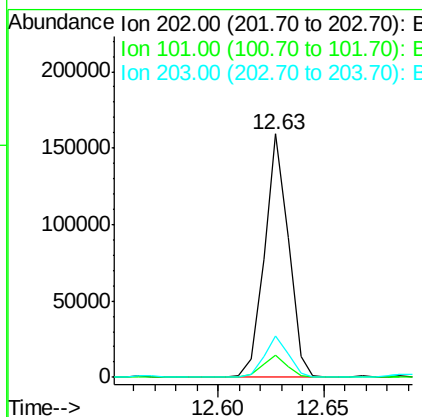
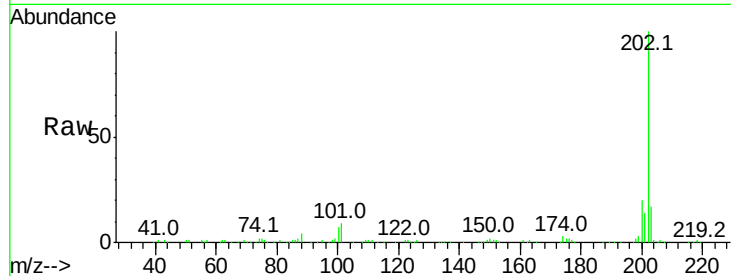
ClientSampleId :

JC-02-110917-H

Tot Ion:	202	Resp:	126174
Ion Ratio	Lower	Upper	
202	100		
101	9.0	0.0	34.1
203	17.1	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

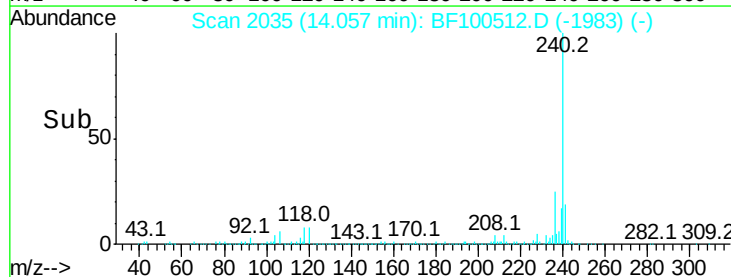
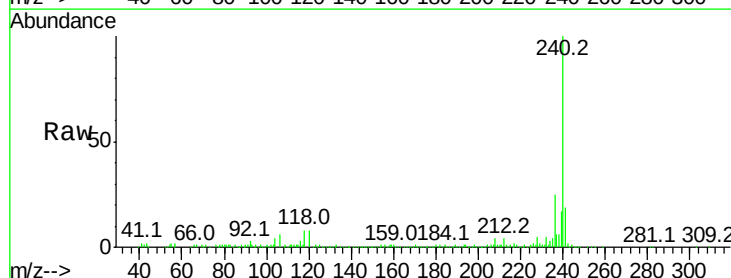
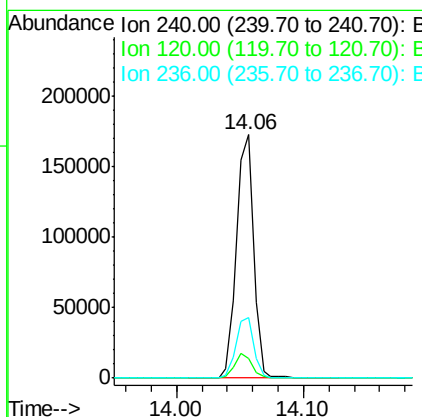
RT: 14.06 min Scan# 2035

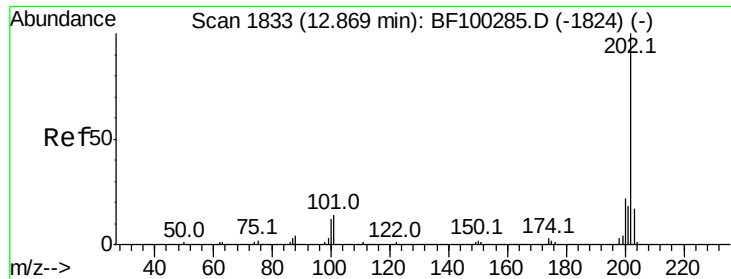
Delta R.T. 0.01 min

Lab File: BF100512.D

Acq: 13 Nov 2017 20:01

Tgt Ion:	240	Resp:	160832
Ion Ratio	Lower	Upper	
240	100		
120	8.3	9.5	14.3#
236	24.8	20.7	31.1





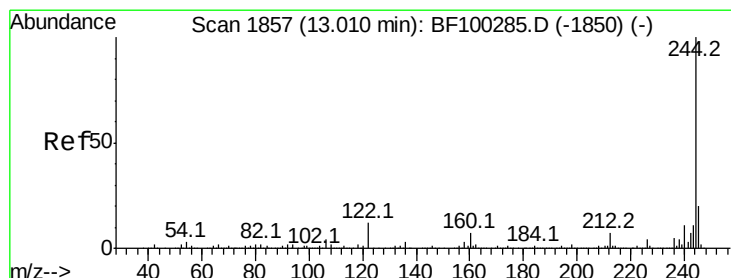
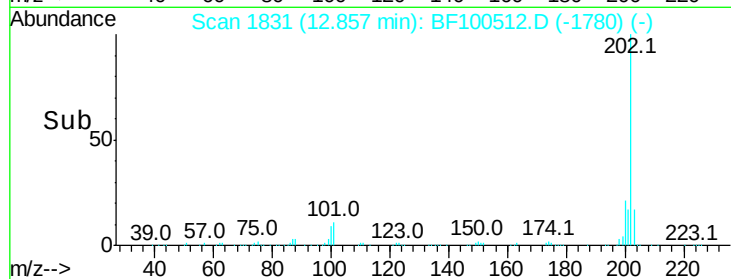
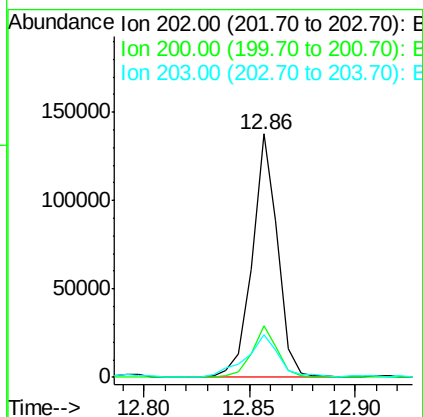
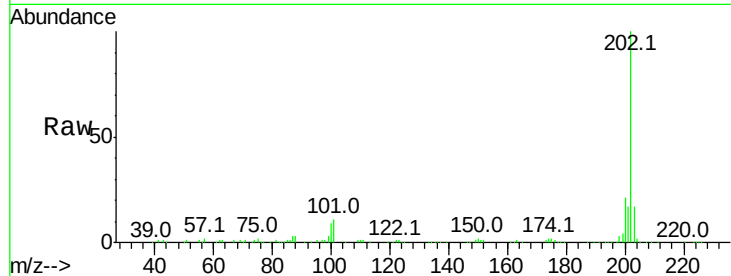
#77
Pvrene
Concen: 10.083 ng
RT: 12.86 min Scan# 1831
Delta R.T. 0.00 min
Lab File: BF100512.D
Acq: 13 Nov 2017 20:01

Instrument :
BNA_F
ClientSampleId :
JC-02-110917-H

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.0	17.4	26.2
203	17.3	14.3	21.5

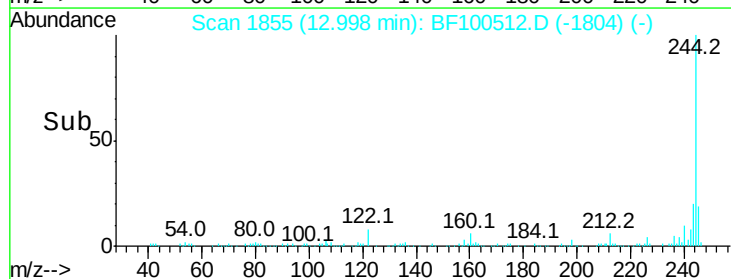
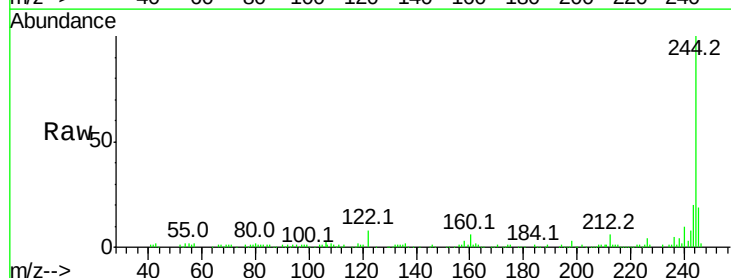
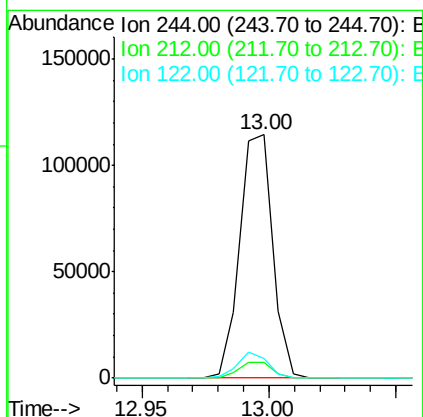
Manual Integrations
APPROVED

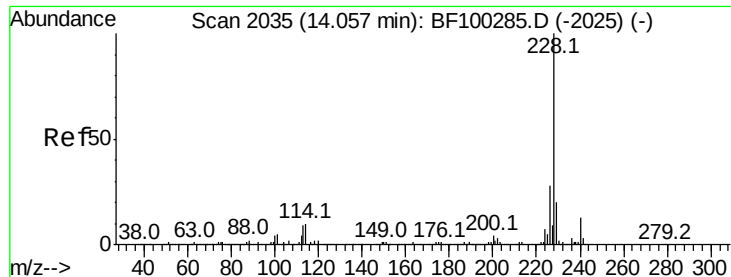
SOHIL
11/14/2017 5:20:34 PM



#78
Terphenyl-d14
Concen: 14.806 ng
RT: 13.00 min Scan# 1855
Delta R.T. 0.00 min
Lab File: BF100512.D
Acq: 13 Nov 2017 20:01

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.5	5.4	8.0
122	8.2	11.0	16.4#





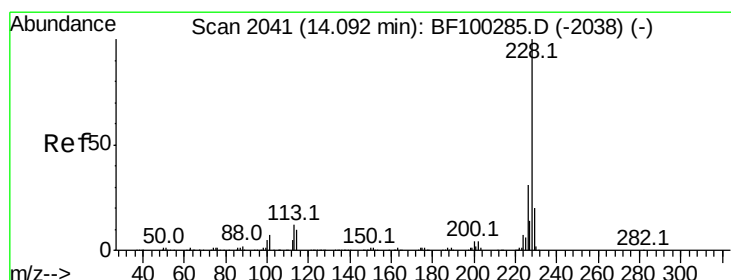
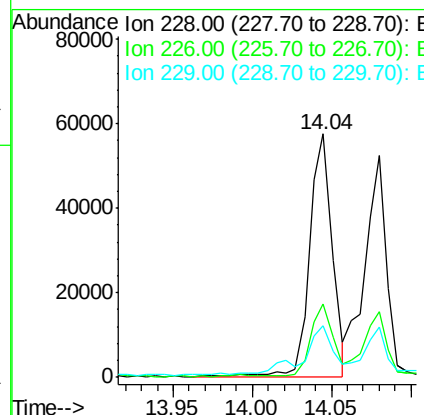
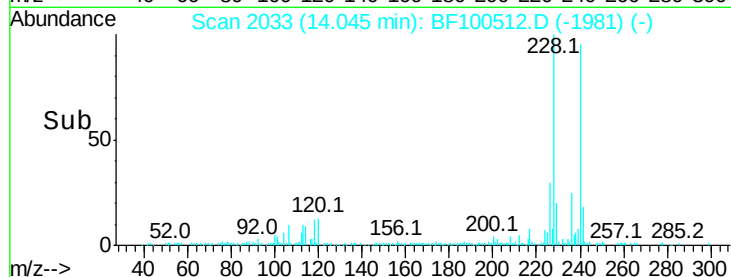
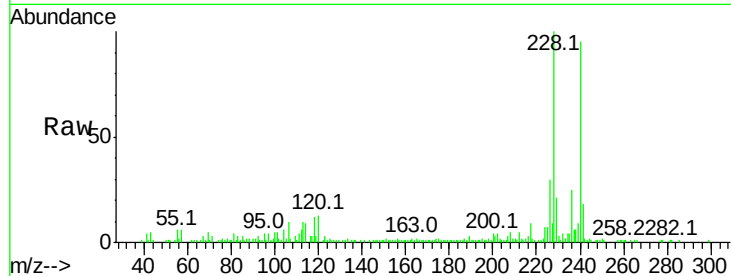
#80
Benzo(a)anthracene
Concen: 5.911 ng
RT: 14.04 min Scan# 2033
Delta R.T. 0.01 min
Lab File: BF100512.D
Acq: 13 Nov 2017 20:01

Instrument :
BNA_F
ClientSampleId :
JC-02-110917-H

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.6	33.8
229	21.4	15.8	23.6

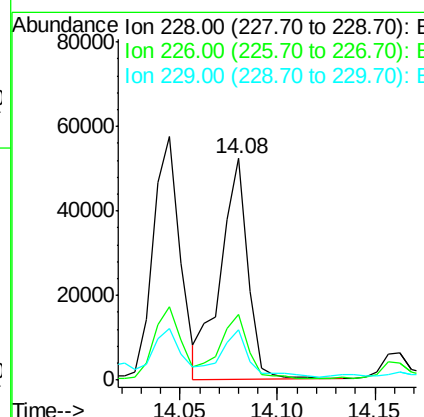
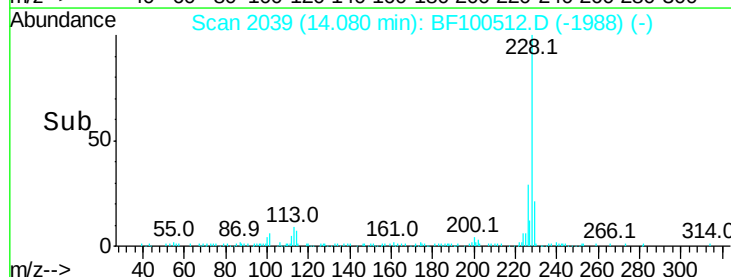
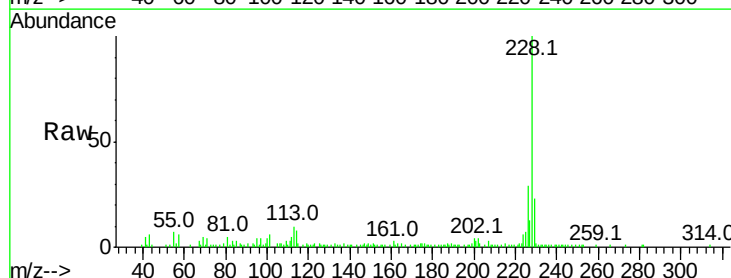
Manual Integrations
APPROVED

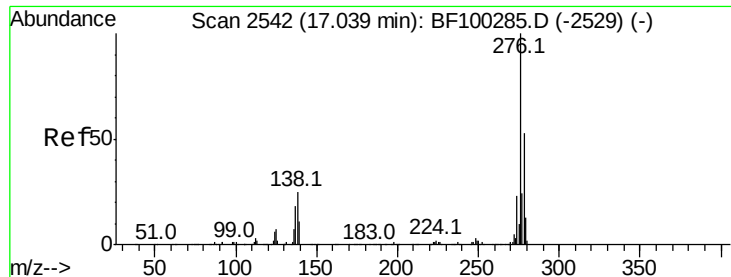
SOHIL
11/14/2017 5:20:34 PM



#82
Chrysene
Concen: 5.453 ng
RT: 14.08 min Scan# 2039
Delta R.T. 0.00 min
Lab File: BF100512.D
Acq: 13 Nov 2017 20:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	25.0	37.6
229	22.6	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.444 ng

RT: 17.02 min Scan# 2539

Delta R.T. 0.01 min

Lab File: BF100512.D

Acq: 13 Nov 2017 20:01

Instrument :

BNA_F

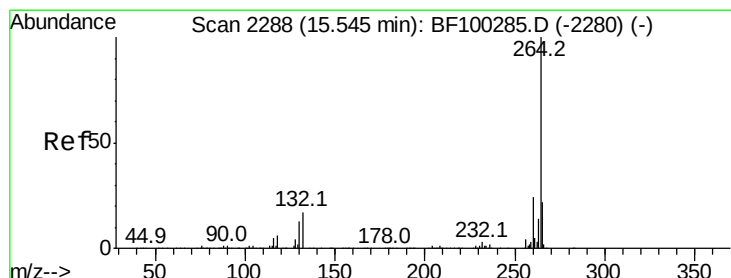
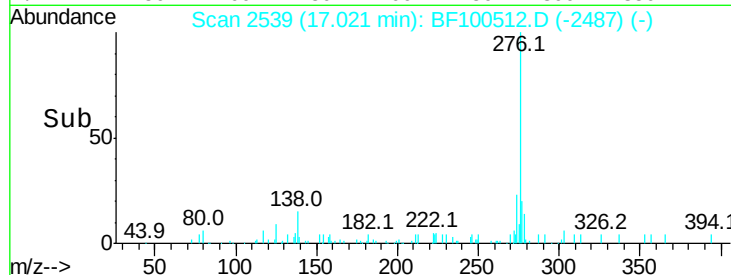
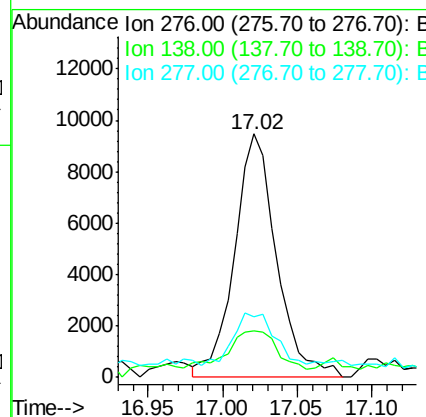
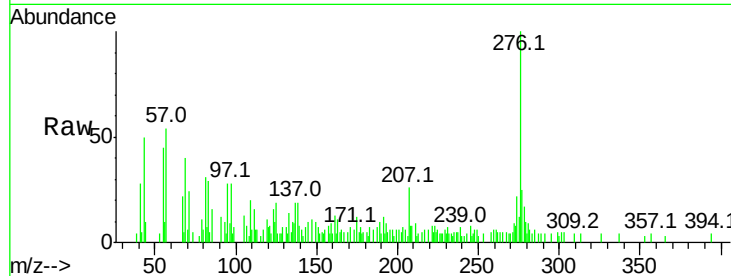
ClientSampleId :

JC-02-110917-H

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.8	25.0	37.6#
277	21.1	20.1	30.1

Manual Integrations
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11/14/2017 5:20:34 PM



#86

Perylene-d12

Concen: 20.000 ng

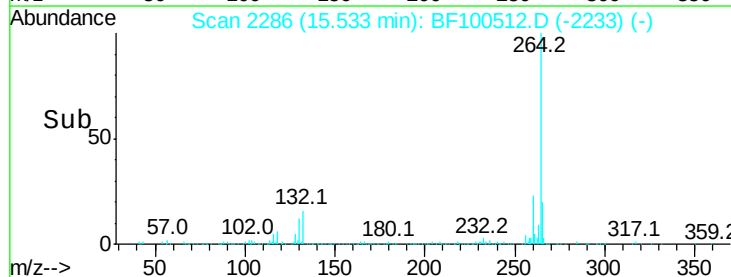
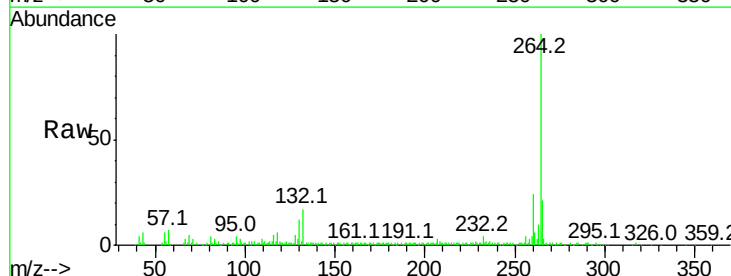
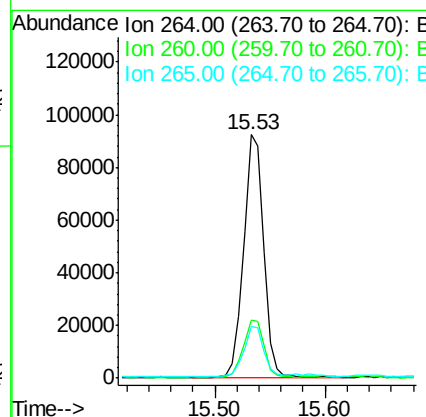
RT: 15.53 min Scan# 2286

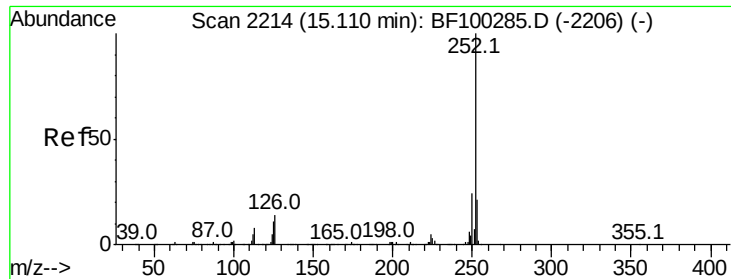
Delta R.T. 0.01 min

Lab File: BF100512.D

Acq: 13 Nov 2017 20:01

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.0	17.5	26.3





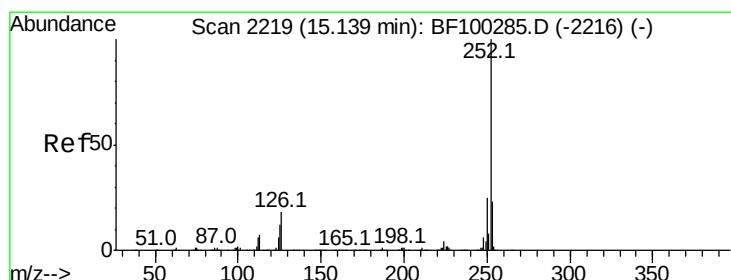
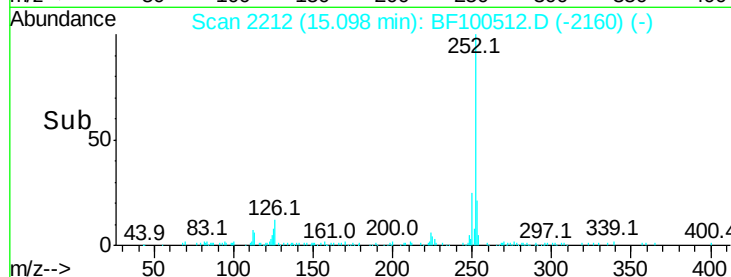
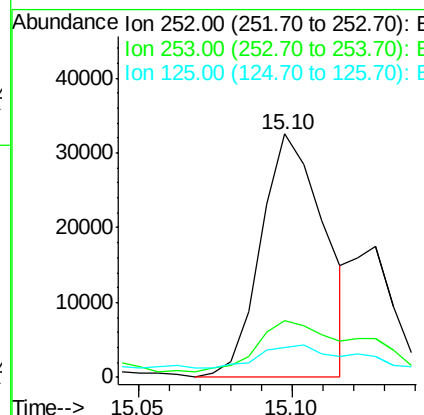
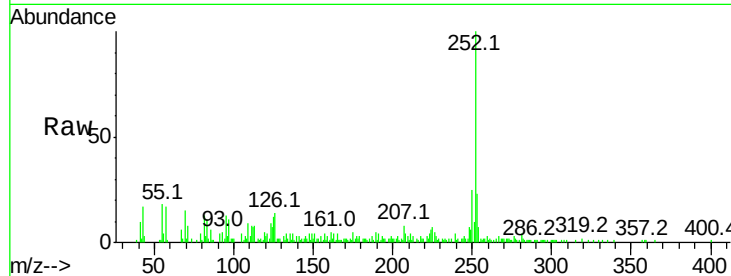
#87
Benzo(b)fluoranthene
Concen: 6.549 ng m
RT: 15.10 min Scan# 2212
Delta R.T. 0.01 min
Lab File: BF100512.D
Acq: 13 Nov 2017 20:01

Instrument :
BNA_F
ClientSampleId :
JC-02-110917-H

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.6
125	12.4	9.0	13.6

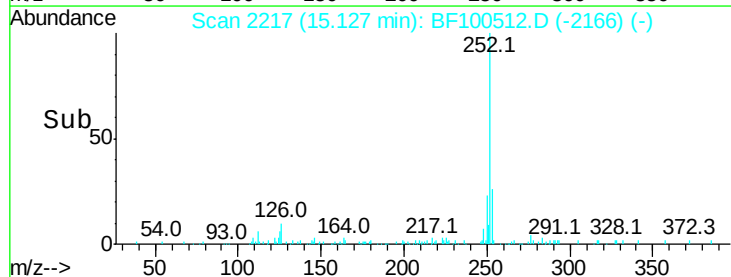
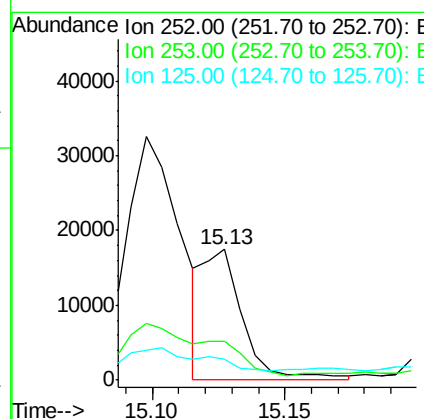
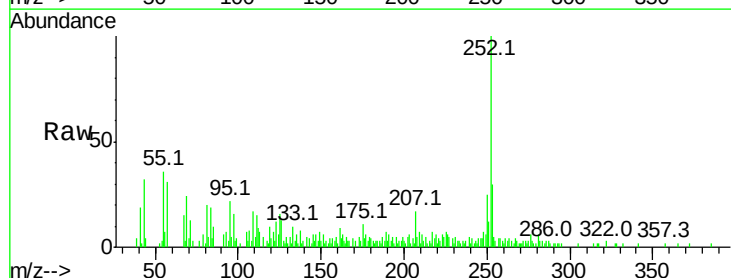
Manual Integrations
APPROVED

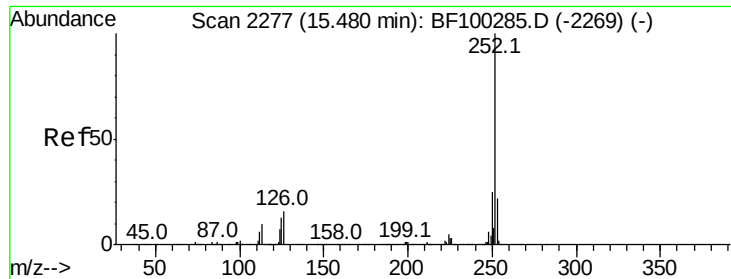
SOHIL
11/14/2017 5:20:34 PM



#88
Benzo(k)fluoranthene
Concen: 2.667 ng m
RT: 15.13 min Scan# 2217
Delta R.T. 0.00 min
Lab File: BF100512.D
Acq: 13 Nov 2017 20:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.2	17.9	26.9#
125	15.6	10.2	15.2#





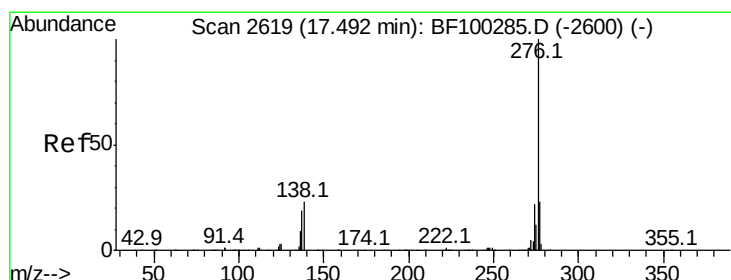
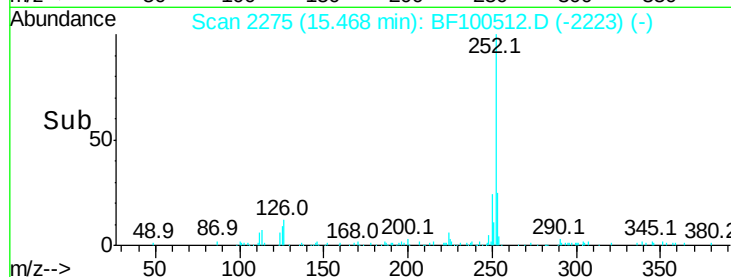
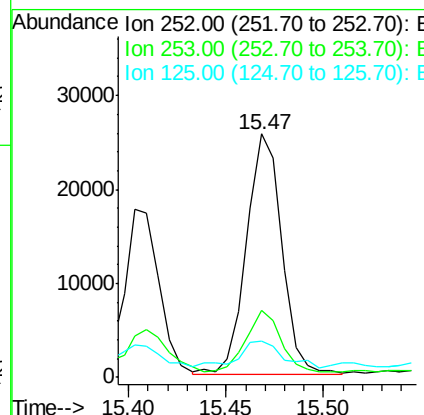
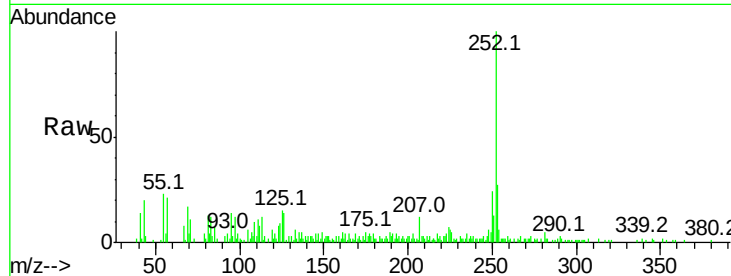
#89
Benzo(a)pyrene
Concen: 5.059 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.01 min
Lab File: BF100512.D
Acq: 13 Nov 2017 20:01

Instrument :
BNA_F
ClientSampleId :
JC-02-110917-H

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.5	17.1	25.7#
125	14.9	9.8	14.6#

Manual Integrations
APPROVED

SOHIL
11/14/2017 5:20:34 PM



#91
Benzo(g,h,i)perylene
Concen: 3.725 ng
RT: 17.47 min Scan# 2616
Delta R.T. 0.01 min
Lab File: BF100512.D
Acq: 13 Nov 2017 20:01

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.2	17.9	26.9#
138	21.5	21.8	32.8#

