

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112017\
 Data File : BF100745.D
 Acq On : 20 Nov 2017 22:07
 Operator : SJ/JU
 Sample : I6304-14 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-111617-B

Manual Integrations
 APPROVED

SOHIL
 11/21/2017 2:15:44 PM

Quant Time: Nov 21 04:58:29 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 17 15:22:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	95339	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	368938	20.00	ng	-0.02
38) Acenaphthene-d10	9.91	164	163225	20.00	ng	-0.01
63) Phenanthrene-d10	11.39	188	278680	20.00	ng	-0.01
75) Chrysene-d12	14.03	240	195561	20.00	ng	-0.02
86) Perylene-d12	15.50	264	221196	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	126762	21.31	ng	-0.02
7) Phenol-d6	6.49	99	154332	21.04	ng	-0.02
23) Nitrobenzene-d5	7.43	82	88572	15.87	ng	-0.02
41) 2,4,6-Tribromophenol	10.69	330	36810	22.13	ng	-0.02
44) 2-Fluorobiphenyl	9.22	172	193381	18.04	ng	-0.02
78) Terphenyl-d14	12.97	244	126365	14.85	ng	-0.02
Target Compounds						
70) Phenanthrene	11.42	178	107424	7.321	ng	97
74) Fluoranthene	12.60	202	131525	8.458	ng	96
77) Pyrene	12.83	202	117639	8.439	ng	97
80) Benzo(a)anthracene	14.02	228	58066	4.931	ng	94
82) Chrysene	14.05	228	53889	4.725	ng	98
85) Indeno(1,2,3-cd)pyrene	16.97	276	31212	3.384	ng	# 90
87) Benzo(b)fluoranthene	15.07	252	75688m	5.776	ng	
88) Benzo(k)fluoranthene	15.09	252	26005m	2.100	ng	
89) Benzo(a)pyrene	15.44	252	56417	4.856	ng	98
91) Benzo(g,h,i)perylene	17.42	276	27171	2.921	ng	95

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

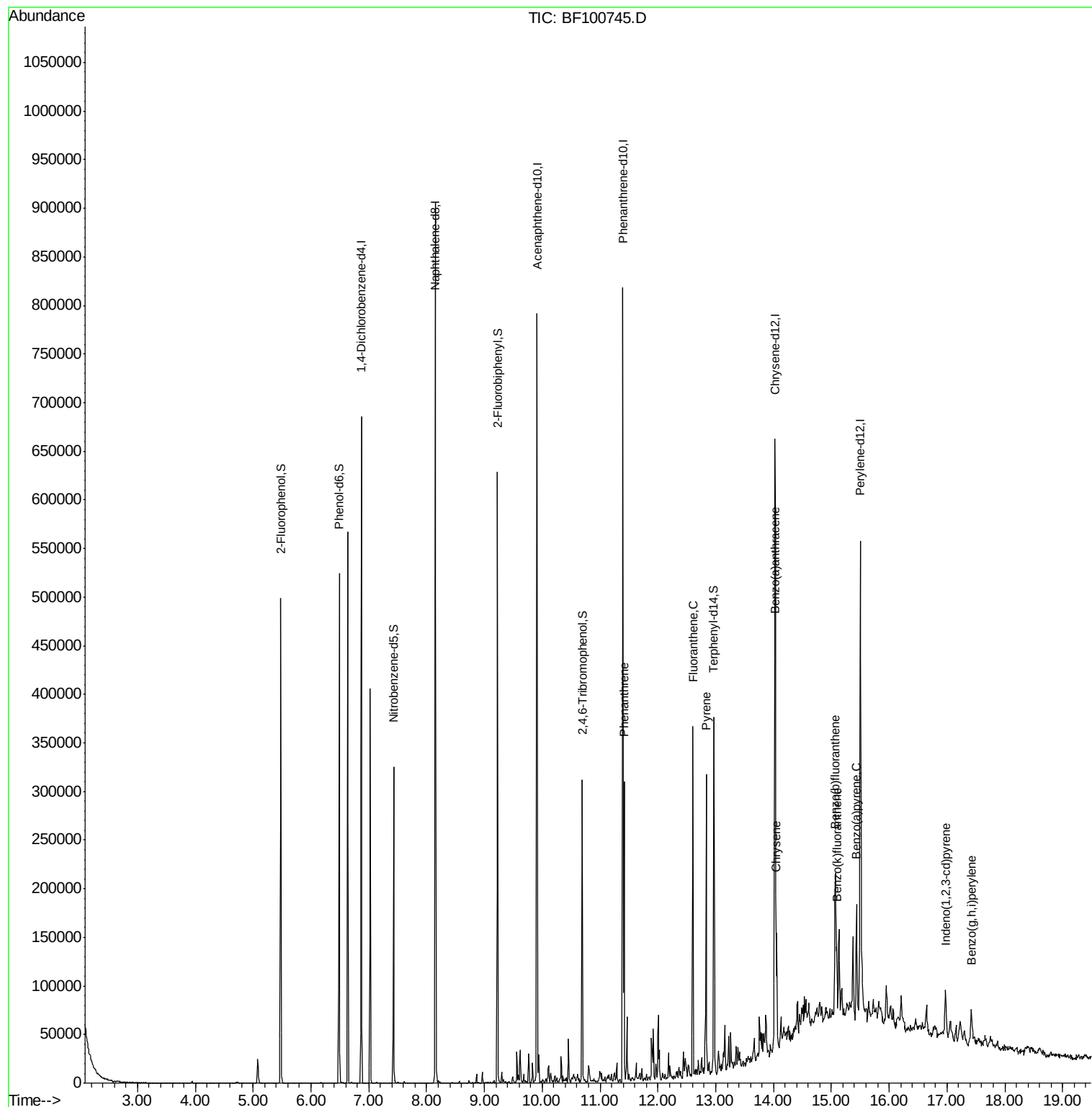
Data Path : Z:\HPCHEM1\BNA F\DATA\BF112017\
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Operator : SJ/JU
Sample : I6304-14 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

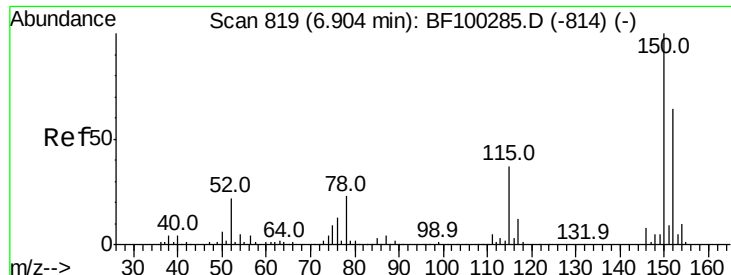
Instrument :
BNA_F
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CL-01-111617-B

Manual Integrations
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#1

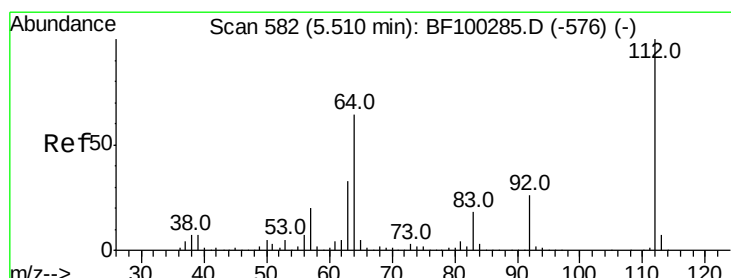
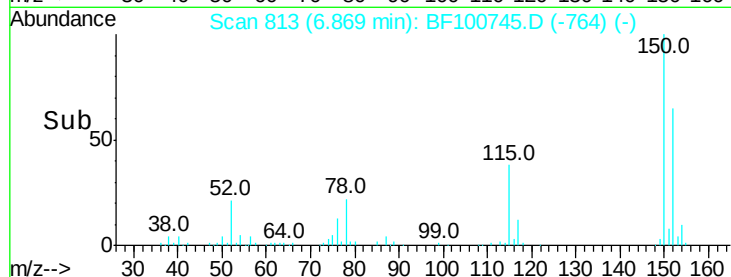
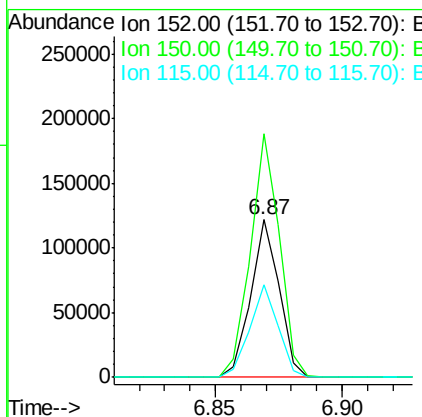
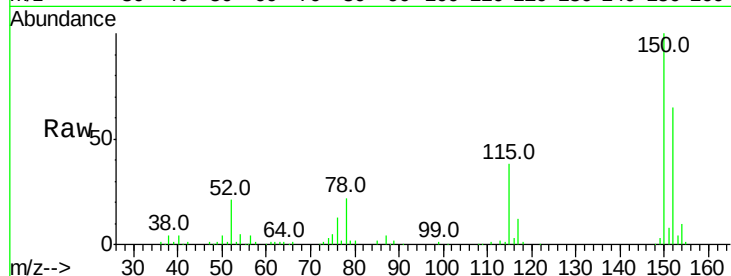
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.01 min
Lab File: BF100745.D
Acq: 20 Nov 2017 22:07

Instrument :
BNA_F
ClientSampleId :
CL-01-111617-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	124.6	186.8
115	58.4	50.1	75.1

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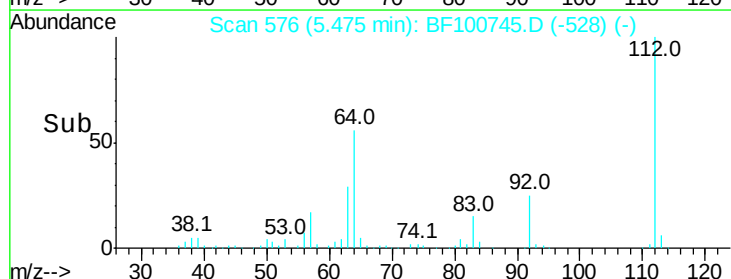
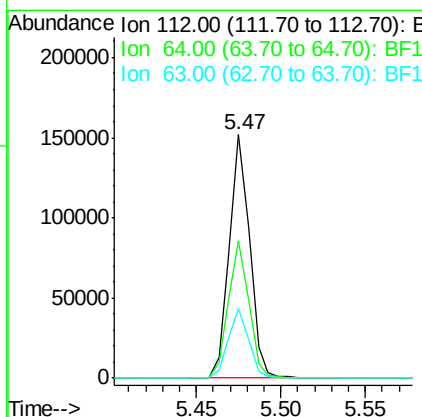
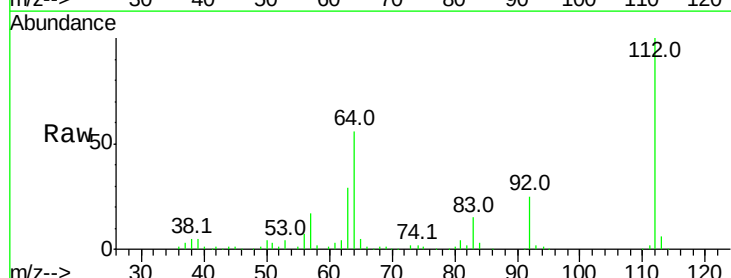
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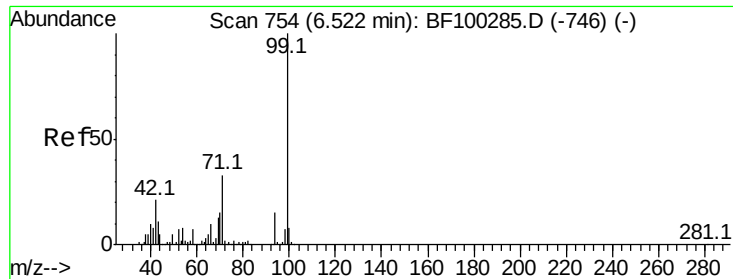


#5

2-Fluorophenol
Concen: 21.313 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.02 min
Lab File: BF100745.D
Acq: 20 Nov 2017 22:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.2	47.9	71.9
63	28.5	23.7	35.5





#7

Phenol-d6

Concen: 21.043 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.02 min

Lab File: BF100745.D

Acq: 20 Nov 2017 22:07

Instrument :

BNA_F

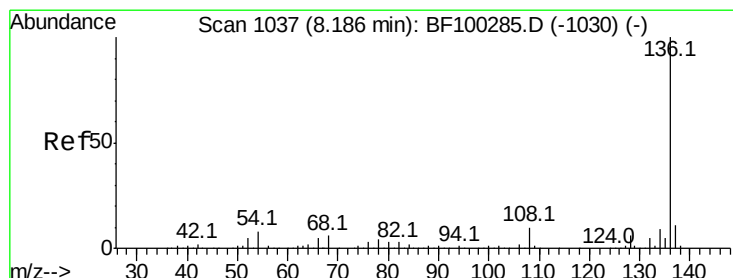
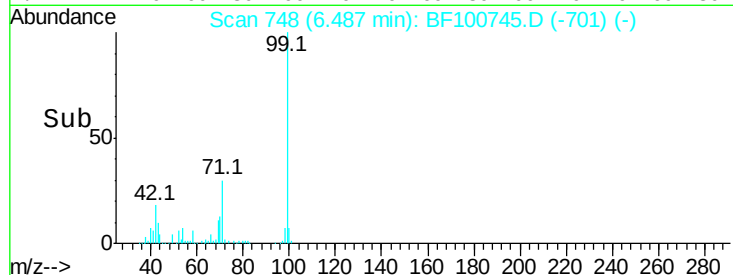
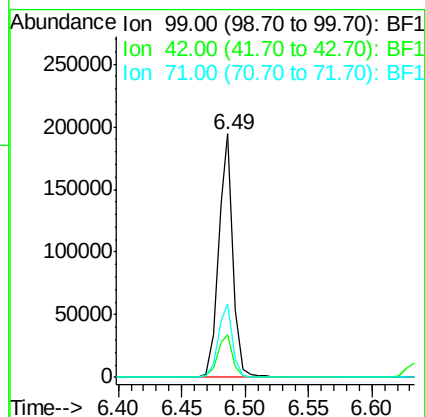
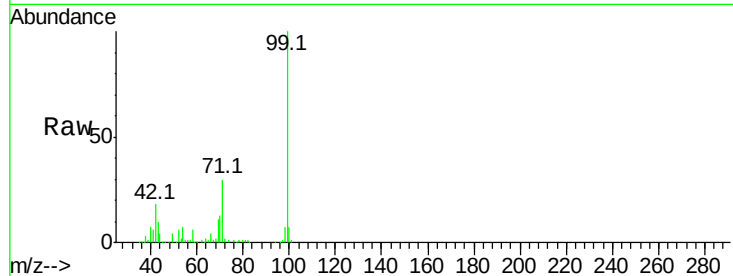
ClientSampleId :

CL-01-111617-B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		154332		
42	17.5	14.5	21.7		
71	29.9	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

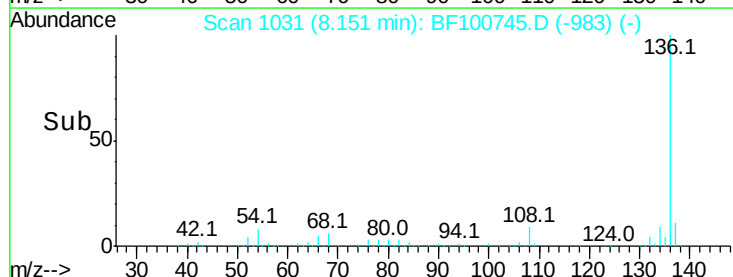
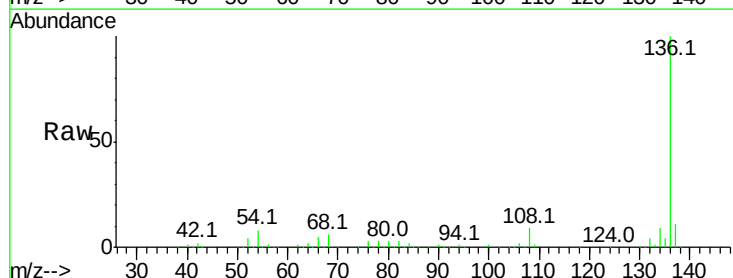
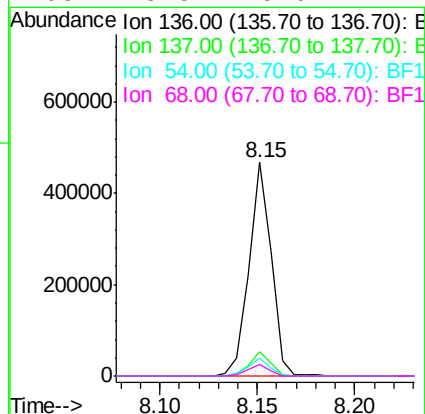
RT: 8.15 min Scan# 1031

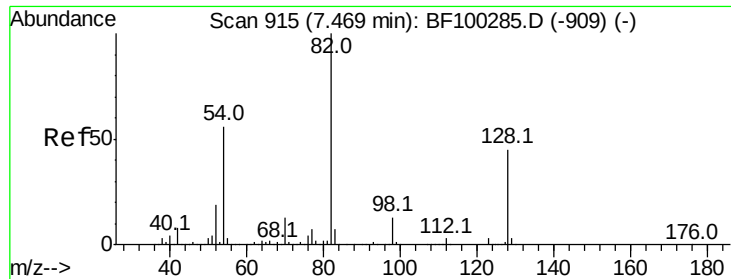
Delta R.T. -0.02 min

Lab File: BF100745.D

Acq: 20 Nov 2017 22:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		368938		
137	11.1	8.9	13.3		
54	8.2	6.6	9.8		
68	5.5	5.0	7.4		





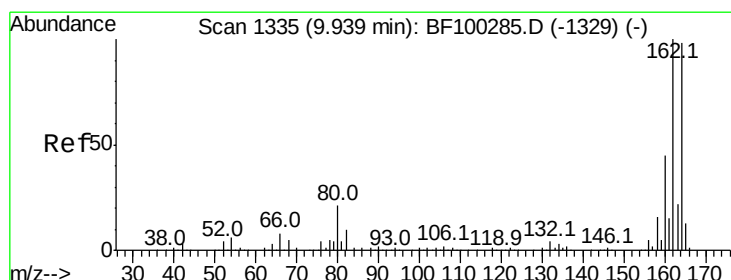
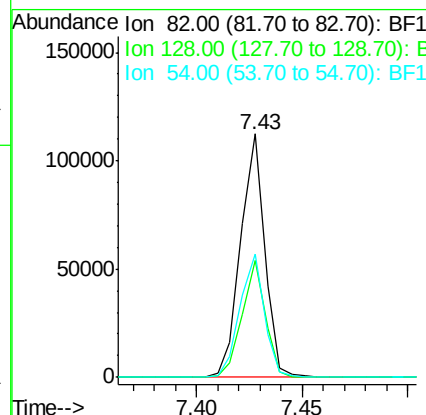
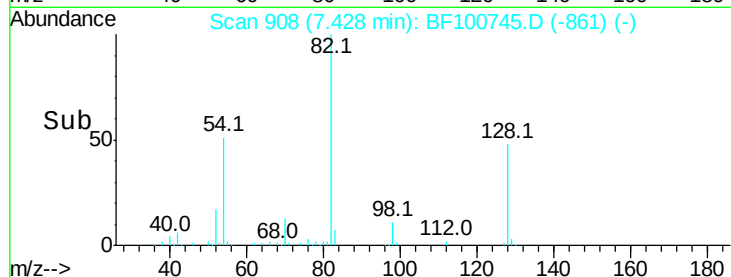
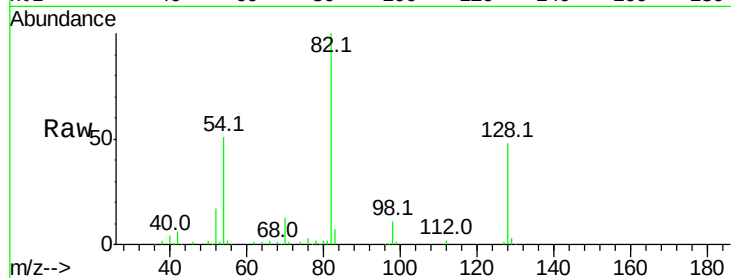
#23
Nitrobenzene-d5
Concen: 15.872 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.02 min
Lab File: BF100745.D
Acq: 20 Nov 2017 22:07

Instrument :
BNA_F
ClientSampleId :
CL-01-111617-B

Tot Ion:	82	Resp:	88572
Ion Ratio	Lower	Upper	
82	100		
128	47.8	36.1	54.1
54	50.8	41.4	62.2

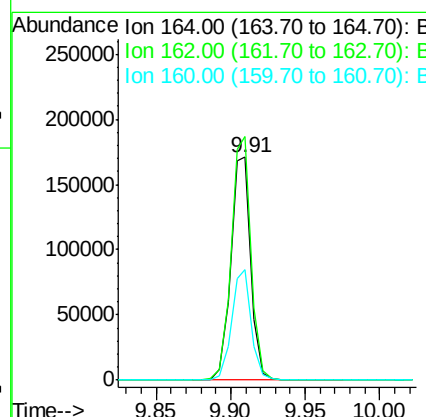
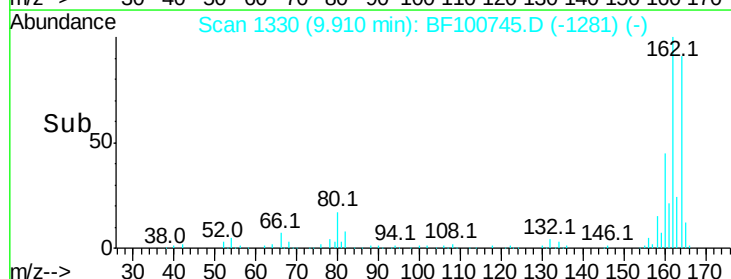
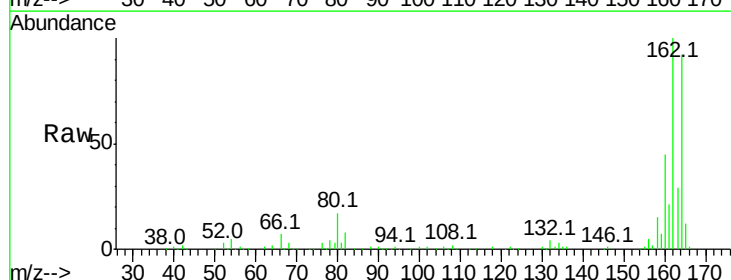
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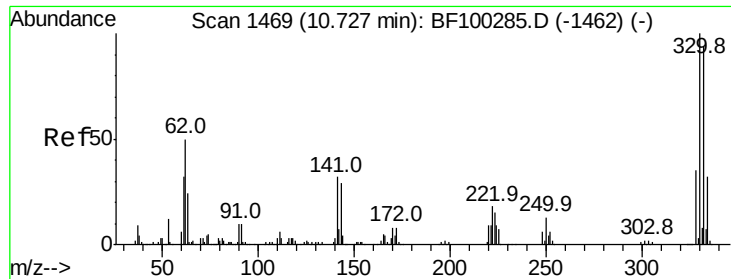
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF100745.D
Acq: 20 Nov 2017 22:07

Tgt Ion:	164	Resp:	163225
Ion Ratio	Lower	Upper	
164	100		
162	109.3	86.1	129.1
160	49.4	38.3	57.5





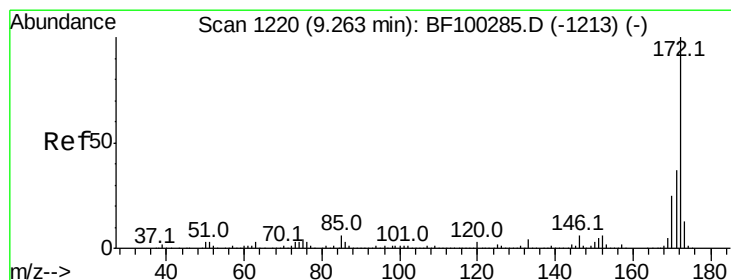
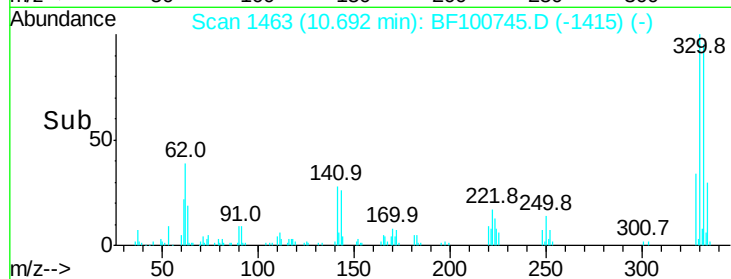
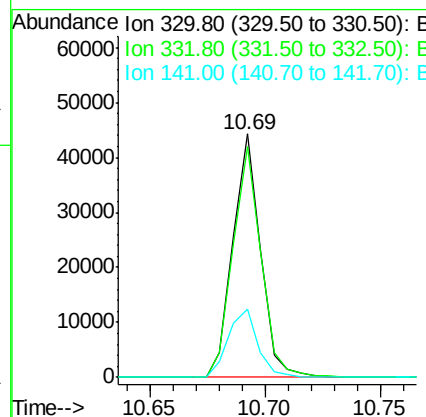
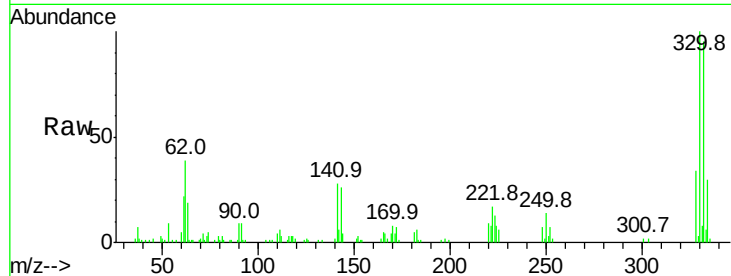
#41
 2,4,6-Tribromophenol
 Concen: 22.131 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.02 min
 Lab File: BF100745.D
 Acq: 20 Nov 2017 22:07

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-111617-B

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.9	77.0	115.6	
141	29.9	29.9	44.9	

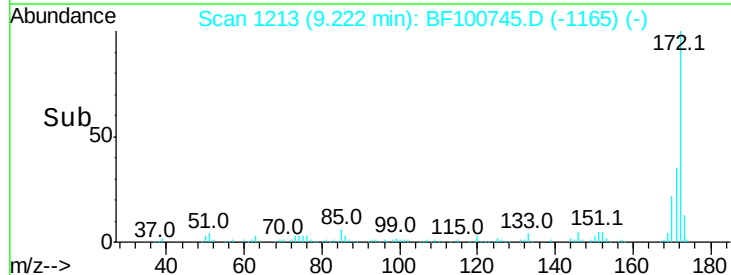
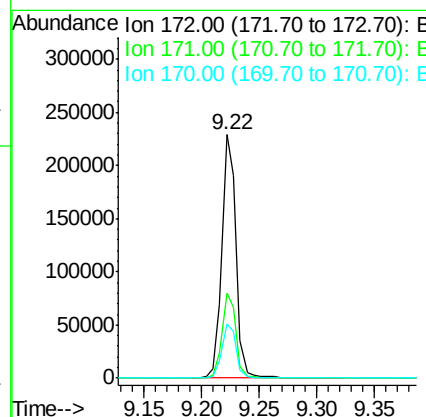
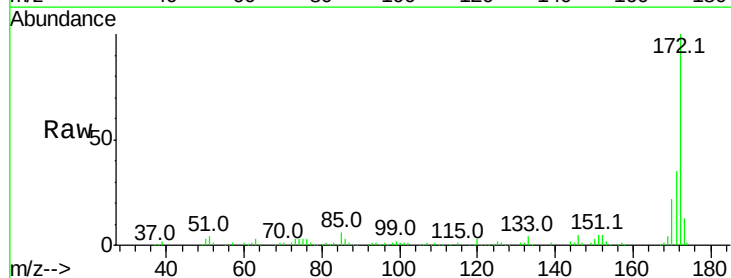
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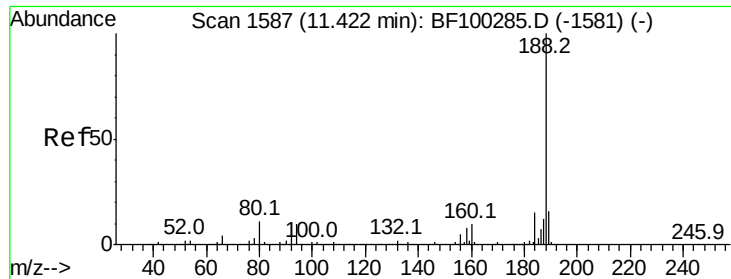
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#44
 2-Fluorobiphenyl
 Concen: 18.040 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.02 min
 Lab File: BF100745.D
 Acq: 20 Nov 2017 22:07

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.8	29.7	44.5	
170	22.5	19.6	29.4	





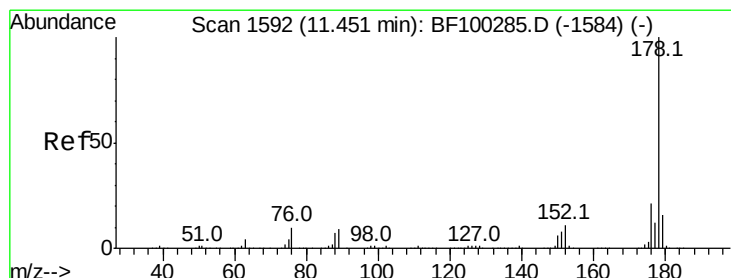
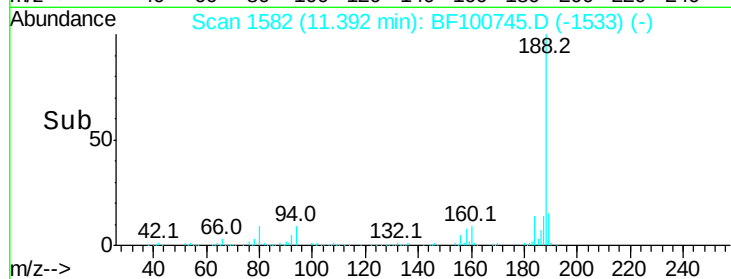
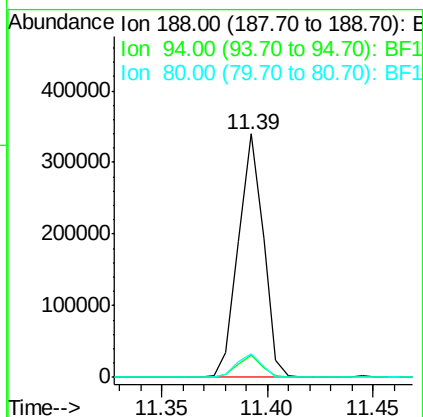
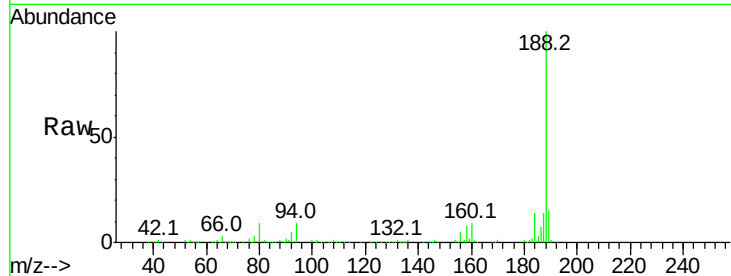
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Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF100745.D
Acq: 20 Nov 2017 22:07

Instrument :
BNA_F
ClientSampleId :
CL-01-111617-B

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.9	8.5	12.7
80	9.4	9.2	13.8

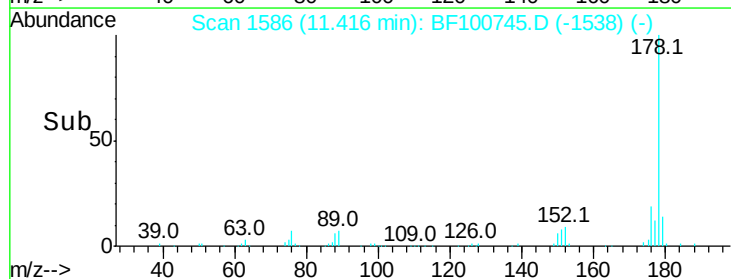
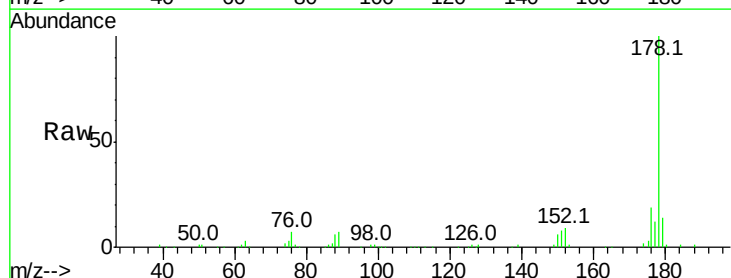
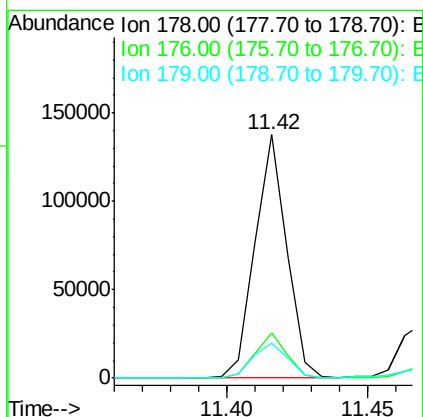
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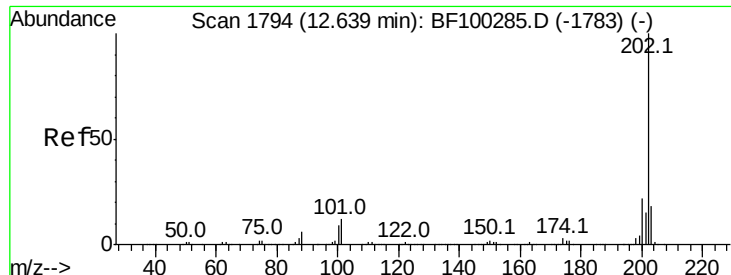
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#70
Phenanthrene
Concen: 7.321 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.02 min
Lab File: BF100745.D
Acq: 20 Nov 2017 22:07

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.8	15.8	23.8
179	14.3	13.0	19.6





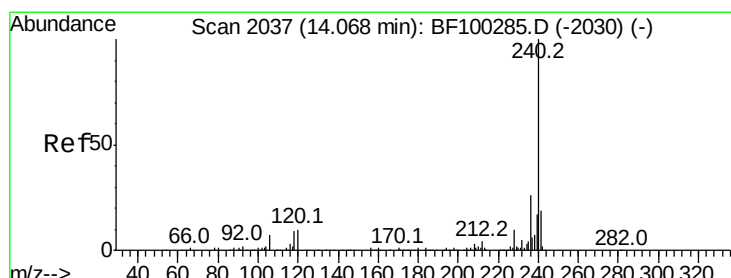
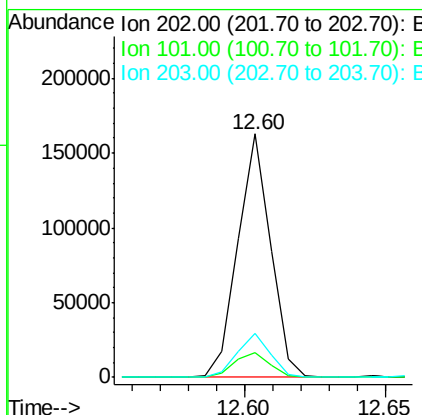
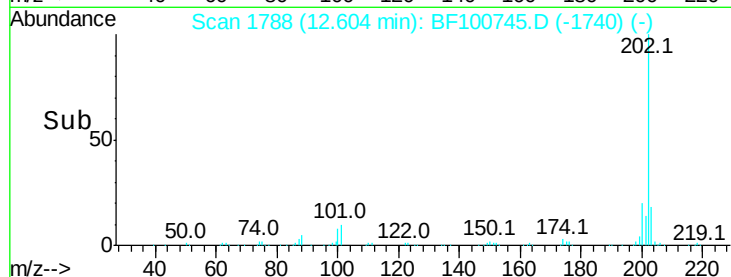
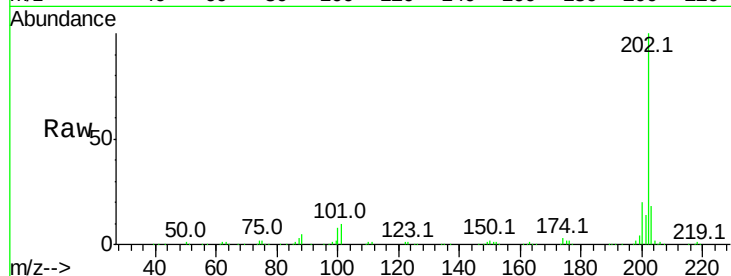
#74
Fluoranthene
Concen: 8.458 ng
RT: 12.60 min Scan# 1788
Delta R.T. -0.02 min
Lab File: BF100745.D
Acq: 20 Nov 2017 22:07

Instrument :
BNA_F
ClientSampleId :
CL-01-111617-B

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.3	0.0	34.1
203	17.9	0.0	38.1

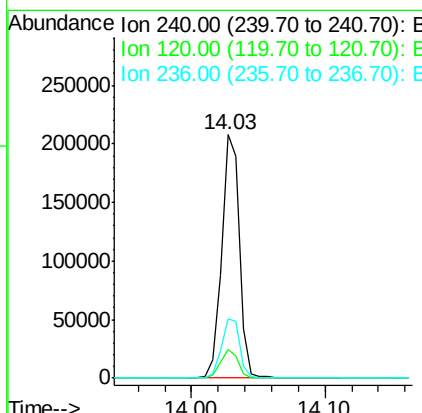
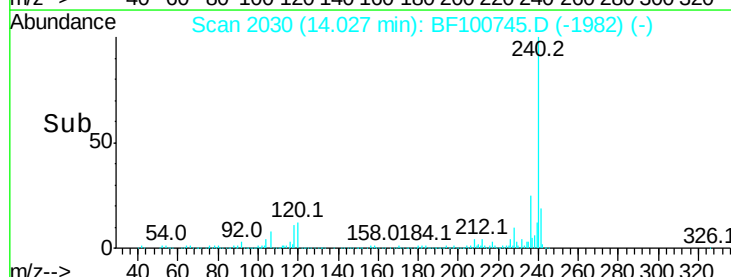
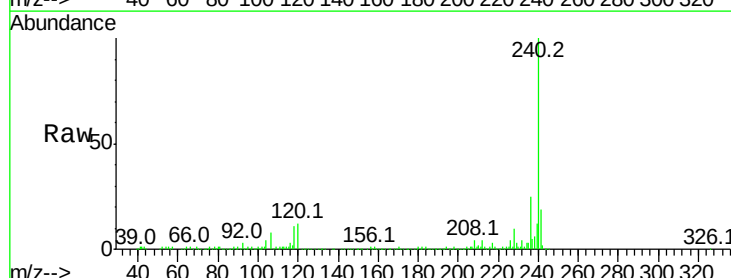
Manual Integrations
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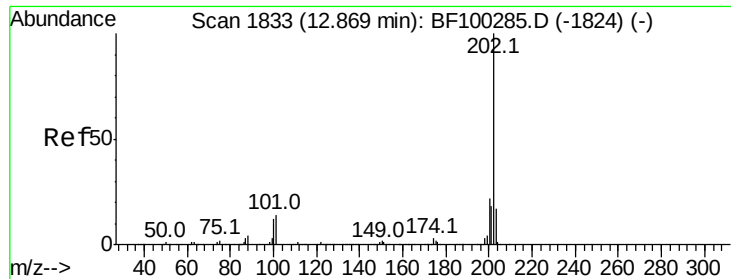
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#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.02 min
Lab File: BF100745.D
Acq: 20 Nov 2017 22:07

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.9	9.5	14.3
236	24.6	20.7	31.1





#77

Pvrene

Concen: 8.439 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.02 min

Lab File: BF100745.D

Acq: 20 Nov 2017 22:07

Instrument :

BNA_F

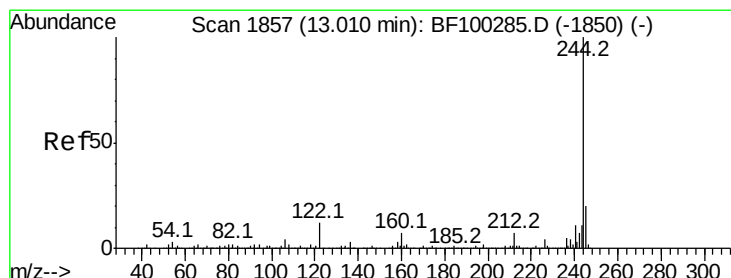
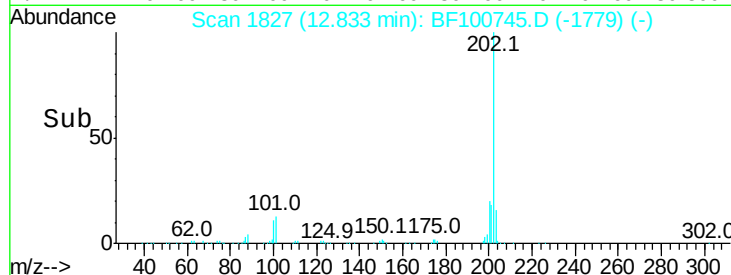
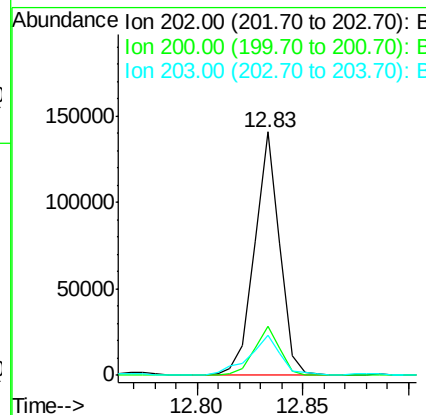
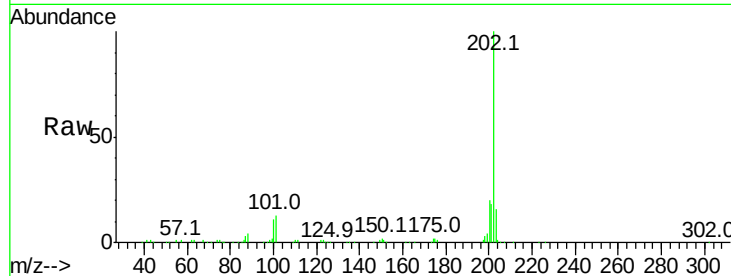
ClientSampleId :

CL-01-111617-B

Tot Ion:	202	Resp:	117639
Ion Ratio	Lower	Upper	
202	100		
200	20.3	17.4	26.2
203	16.4	14.3	21.5

Manual Integrations
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#78

Terphenyl-d14

Concen: 14.847 ng

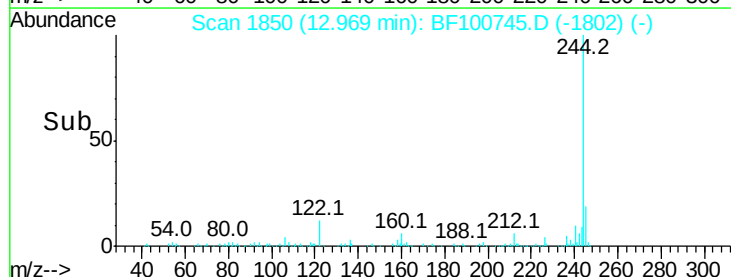
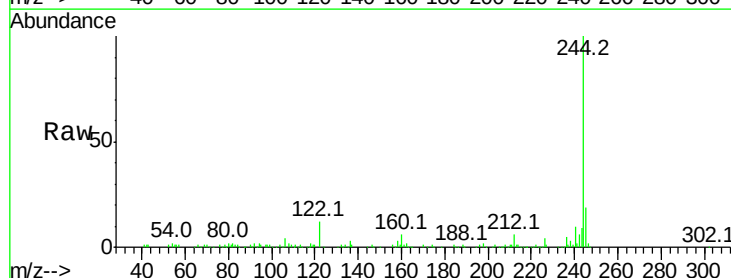
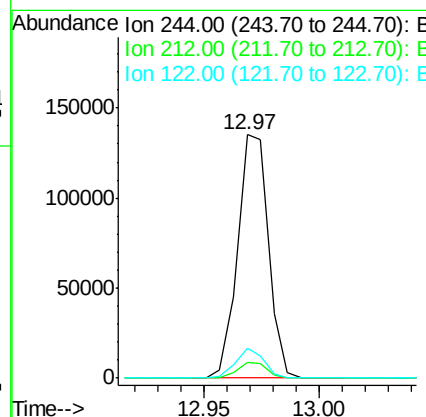
RT: 12.97 min Scan# 1850

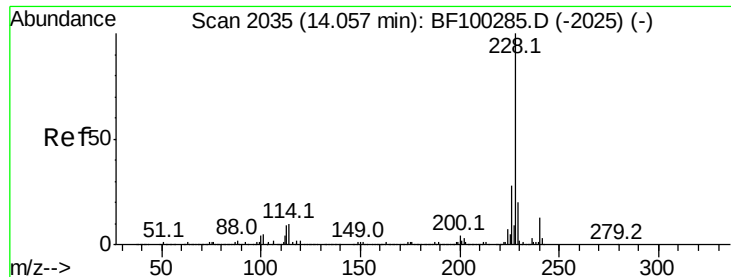
Delta R.T. -0.02 min

Lab File: BF100745.D

Acq: 20 Nov 2017 22:07

Tgt Ion:	244	Resp:	126365
Ion Ratio	Lower	Upper	
244	100		
212	6.3	5.4	8.0
122	12.1	11.0	16.4





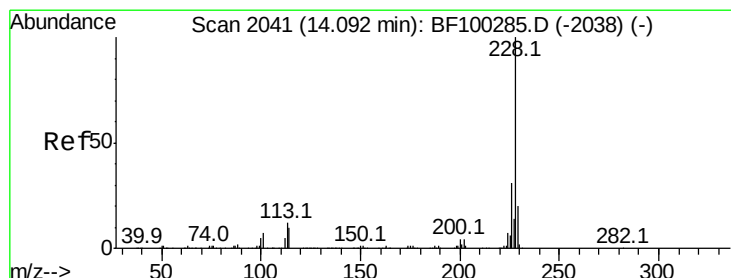
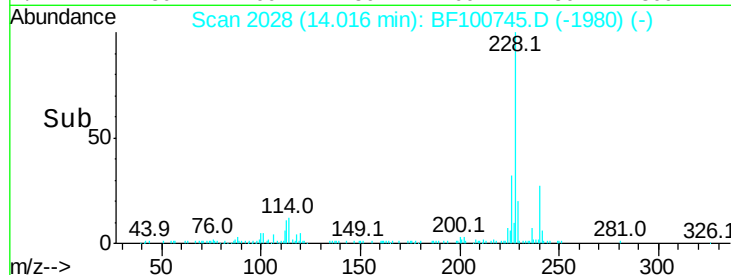
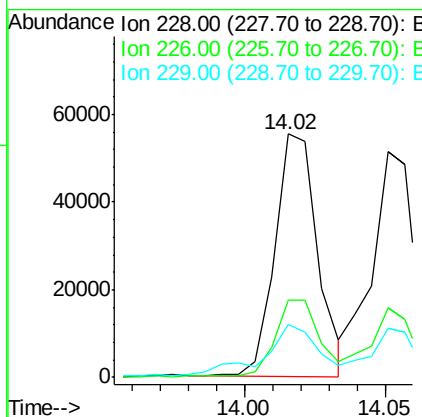
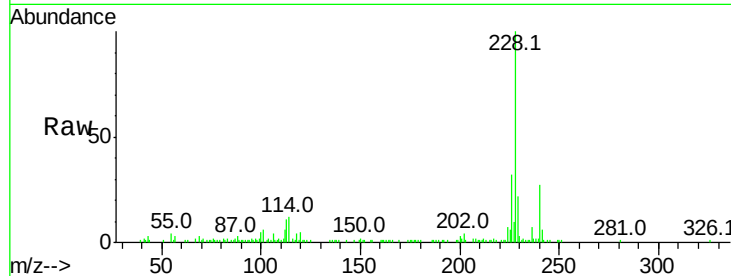
#80
Benzo(a)anthracene
Concen: 4.931 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.02 min
Lab File: BF100745.D
Acq: 20 Nov 2017 22:07

Instrument :
BNA_F
ClientSampled :
CL-01-111617-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.8	22.6	33.8
229	21.5	15.8	23.6

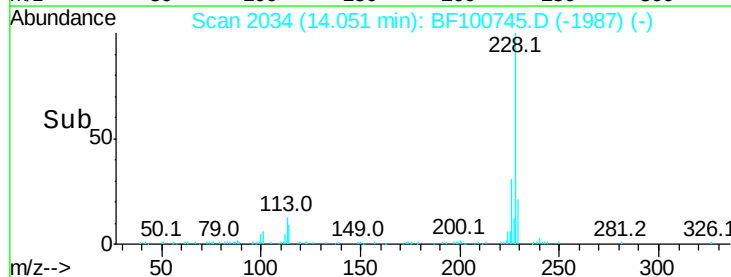
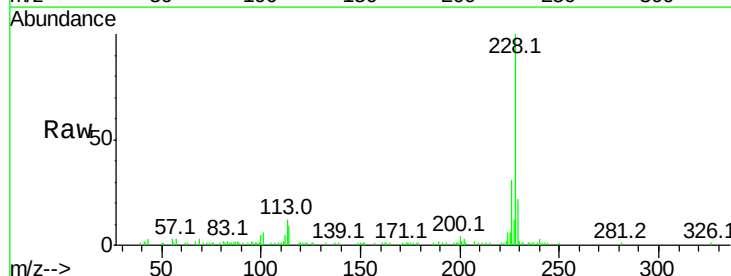
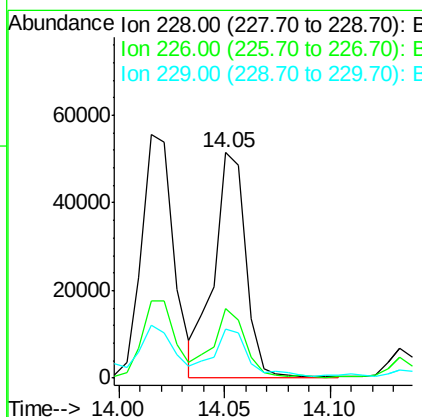
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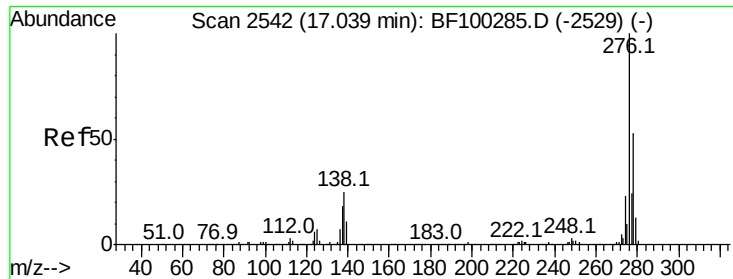
SOHIL
11/21/2017 2:15:44 PM



#82
Chrysene
Concen: 4.725 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.02 min
Lab File: BF100745.D
Acq: 20 Nov 2017 22:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.0	37.6
229	21.9	16.2	24.4





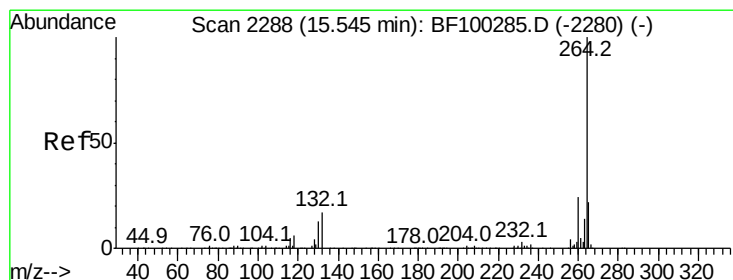
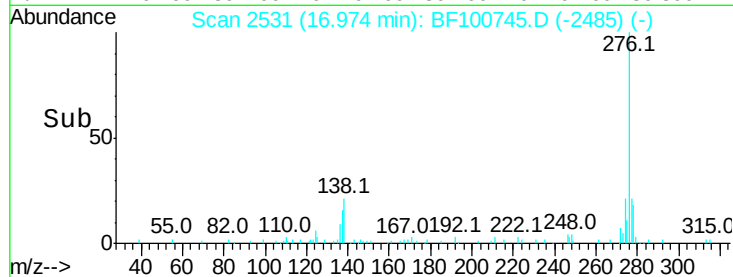
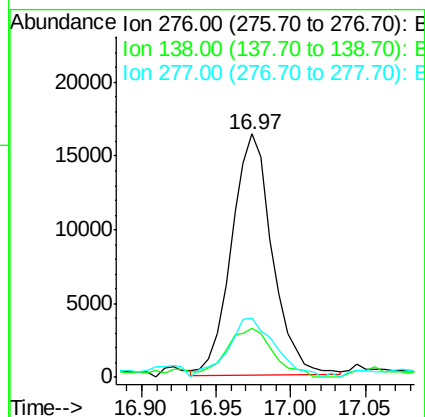
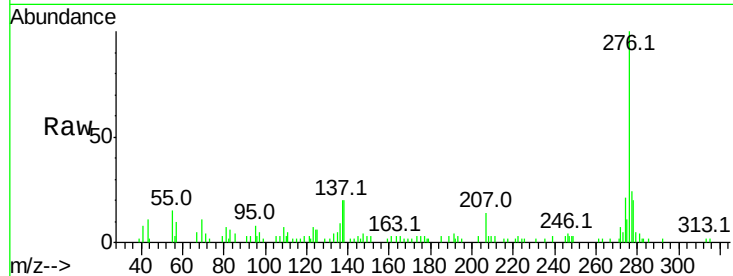
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.384 ng
RT: 16.97 min Scan# 2531
Delta R.T. -0.03 min
Lab File: BF100745.D
Acq: 20 Nov 2017 22:07

Instrument :
BNA_F
ClientSampleId :
CL-01-111617-B

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.6	25.0	37.6#
277	28.1	20.1	30.1

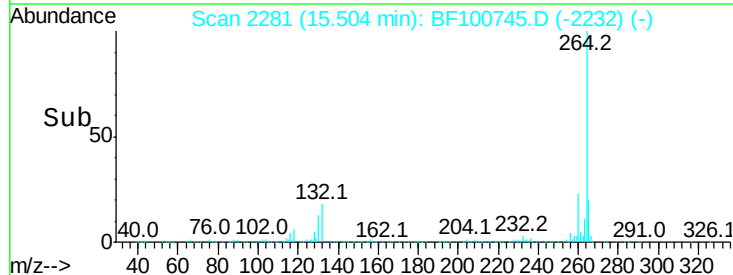
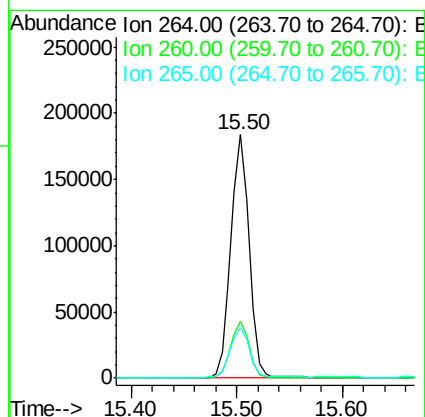
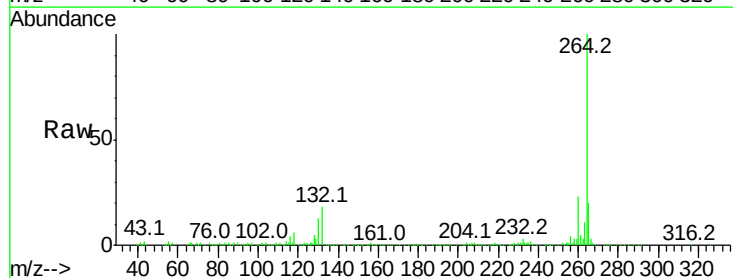
Manual Integrations
APPROVED

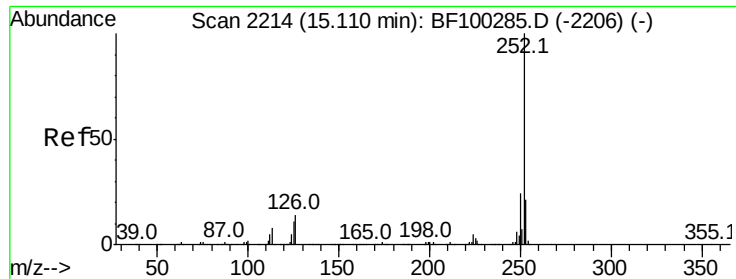
SOHIL
11/21/2017 2:15:44 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.01 min
Lab File: BF100745.D
Acq: 20 Nov 2017 22:07

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	20.5	17.5	26.3





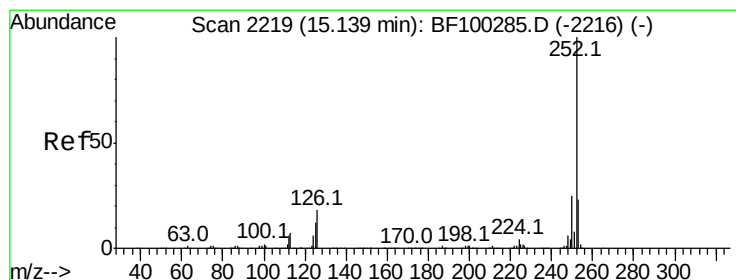
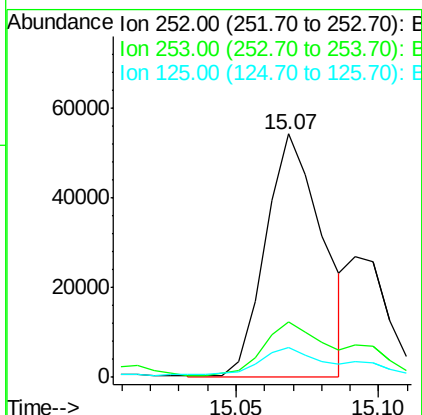
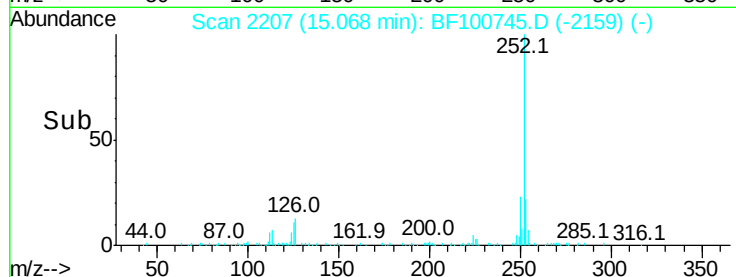
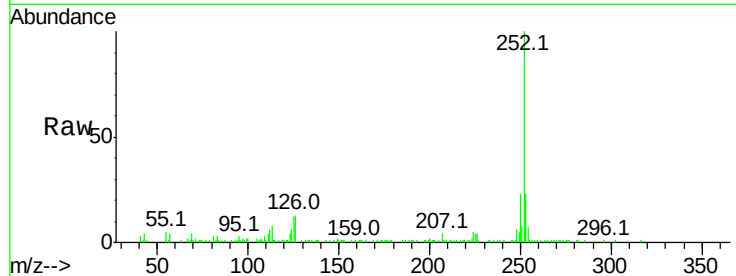
#87
Benzo(b)fluoranthene
Concen: 5.776 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.02 min
Lab File: BF100745.D
Acq: 20 Nov 2017 22:07

Instrument :
BNA_F
ClientSampleId :
CL-01-111617-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	12.3	9.0	13.6

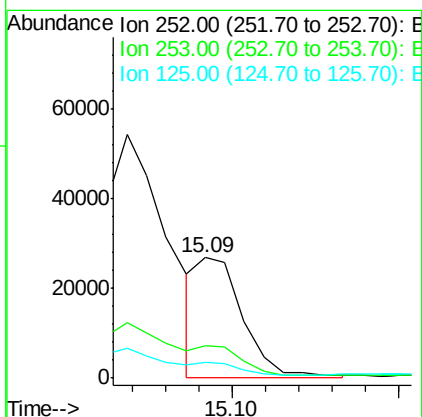
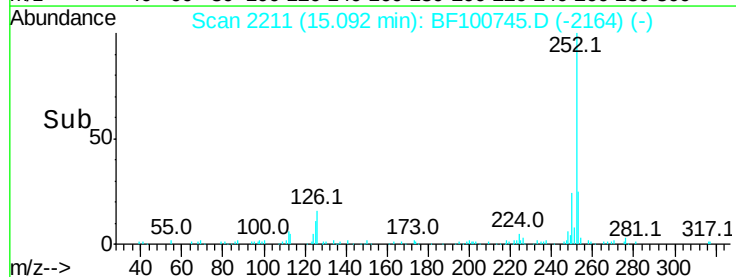
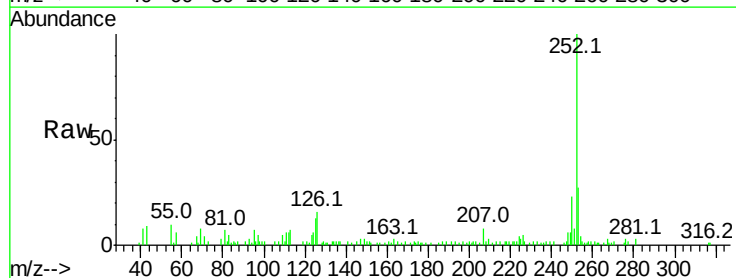
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APPROVED

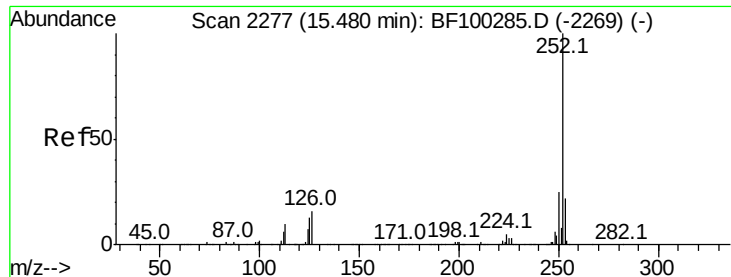
SOHIL
11/21/2017 2:15:44 PM



#88
Benzo(k)fluoranthene
Concen: 2.100 ng m
RT: 15.09 min Scan# 2211
Delta R.T. -0.02 min
Lab File: BF100745.D
Acq: 20 Nov 2017 22:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.2	17.9	26.9#
125	12.7	10.2	15.2





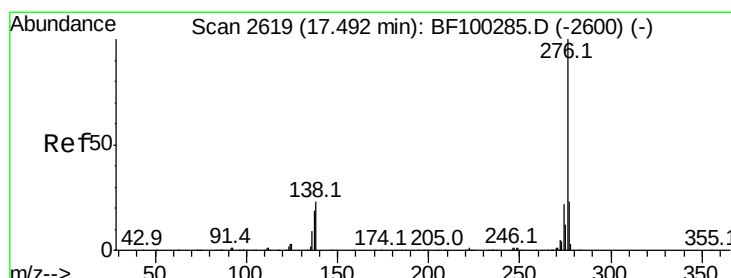
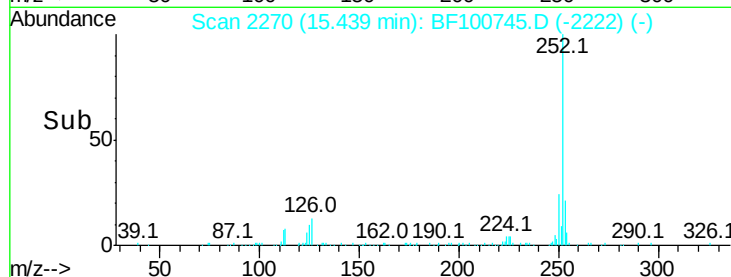
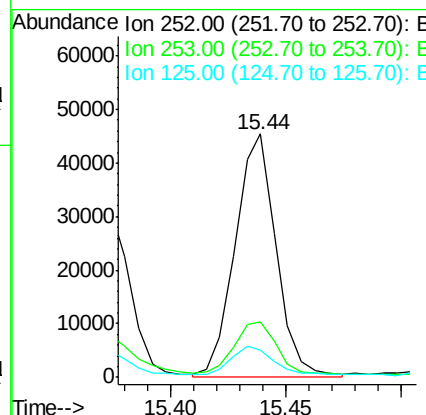
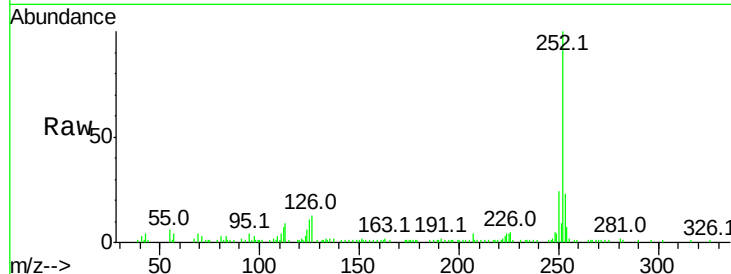
#89
Benzo(a)pyrene
Concen: 4.856 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.02 min
Lab File: BF100745.D
Acq: 20 Nov 2017 22:07

Instrument :
BNA_F
ClientSampleId :
CL-01-111617-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.1	25.7
125	11.4	9.8	14.6

Manual Integrations
APPROVED

SOHIL
11/21/2017 2:15:44 PM



#91
Benzo(g,h,i)perylene
Concen: 2.921 ng
RT: 17.42 min Scan# 2607
Delta R.T. -0.04 min
Lab File: BF100745.D
Acq: 20 Nov 2017 22:07

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.7	17.9	26.9
138	27.9	21.8	32.8

