

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112717\
 Data File : BF100883.D
 Acq On : 27 Nov 2017 11:17
 Operator : SJ/JU
 Sample : I6305-15DL 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-112017-CDL

Manual Integrations
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 11/28/2017 2:45:19 PM

Quant Time: Nov 28 06:07:52 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 27 14:11:25 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	76088	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	311967	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	152322	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	280803	20.00	ng	0.00
75) Chrysene-d12	14.02	240	171954	20.00	ng	0.00
86) Perylene-d12	15.49	264	159569	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	42079	8.87	ng	-0.01
7) Phenol-d6	6.47	99	54437	9.30	ng	-0.02
23) Nitrobenzene-d5	7.42	82	31704	6.72	ng	-0.01
41) 2,4,6-Tribromophenol	10.68	330	15488	9.98	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	67842	6.78	ng	-0.01
78) Terphenyl-d14	12.96	244	67071	8.96	ng	0.00
Target Compounds						
57) Fluorene	10.44	166	43550	4.403	ng	98
70) Phenanthrene	11.40	178	296807	20.075	ng	99
71) Anthracene	11.46	178	76122	5.075	ng	98
74) Fluoranthene	12.60	202	355755	22.704	ng	94
77) Pyrene	12.83	202	302847	24.707	ng	98
80) Benzo(a)anthracene	14.01	228	120365	11.624	ng	98
82) Chrysene	14.04	228	99662	9.939	ng	98
85) Indeno(1,2,3-cd)pyrene	16.96	276	49022	6.044	ng	91
87) Benzo(b)fluoranthene	15.06	252	103393m	10.937	ng	
88) Benzo(k)fluoranthene	15.09	252	42774m	4.789	ng	
89) Benzo(a)pyrene	15.43	252	80871	9.649	ng	95
91) Benzo(a,h,i)perylene	17.40	276	48610	7.245	ng	# 93

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

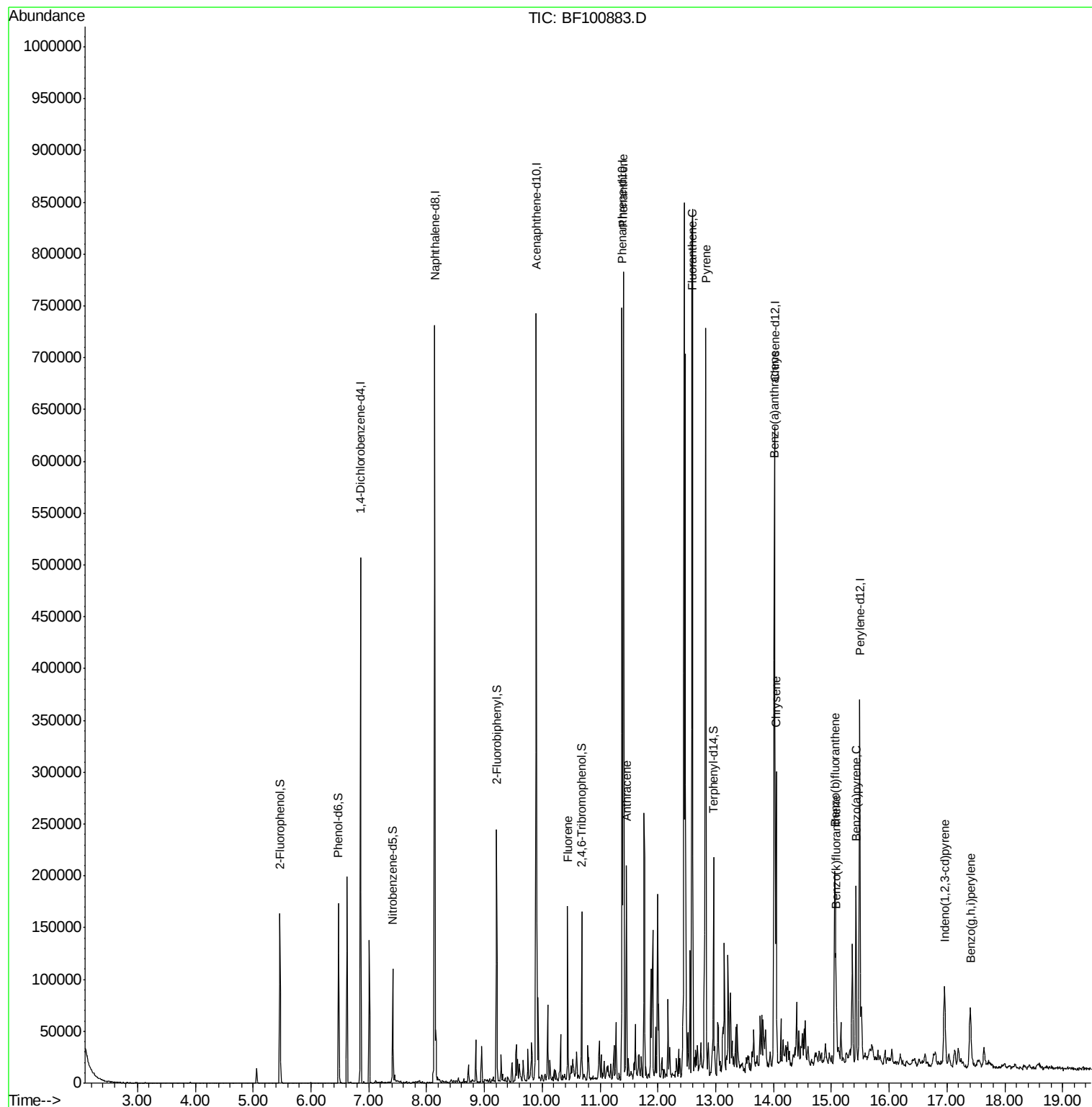
Data Path : Z:\HPCHEM1\BNA F\DATA\BF112717\
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Operator : SJ/JU
Sample : I6305-15DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

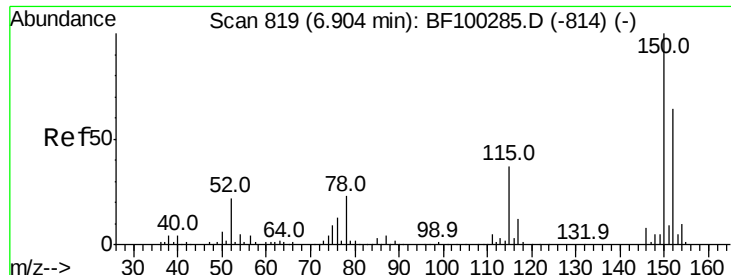
Instrument :
BNA_F
ClientSampleId :
PL-02-112017-CDL

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#1

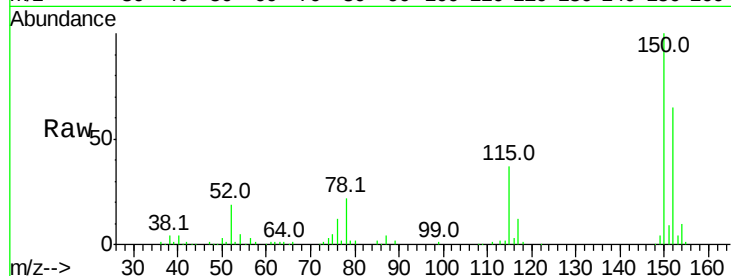
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.00 min
Lab File: BF100883.D
Acq: 27 Nov 2017 11:17

Instrument :
BNA_F
ClientSampleId :
PL-02-112017-CDL

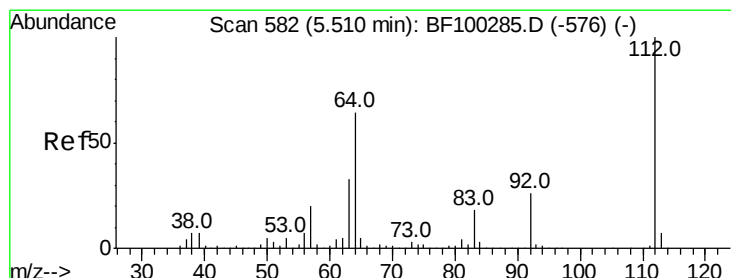
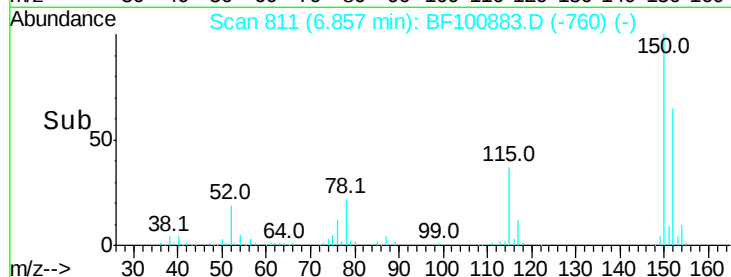
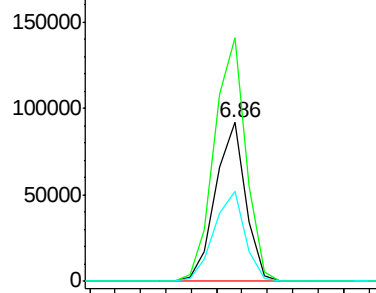
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.3	124.6	186.8
115	56.9	50.1	75.1

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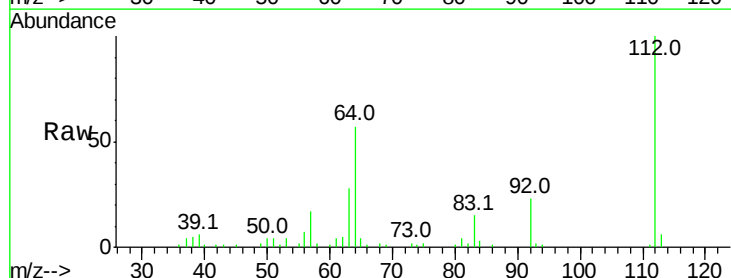
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



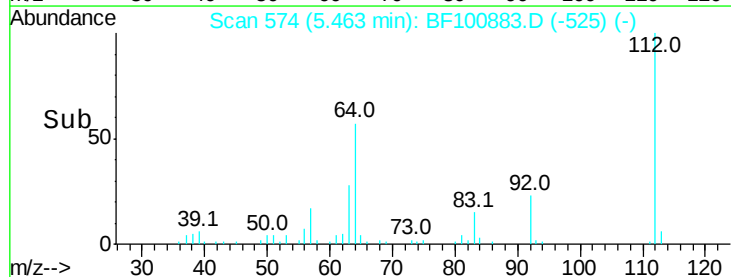
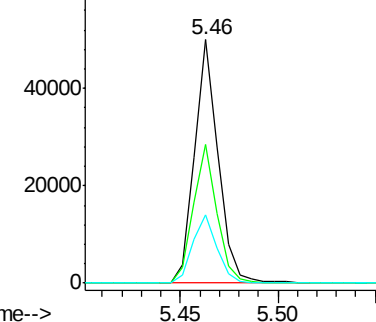
#5

2-Fluorophenol
Concen: 8.865 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.01 min
Lab File: BF100883.D
Acq: 27 Nov 2017 11:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.0	47.9	71.9
63	28.0	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 9.300 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF100883.D

Acq: 27 Nov 2017 11:17

Instrument :

BNA_F

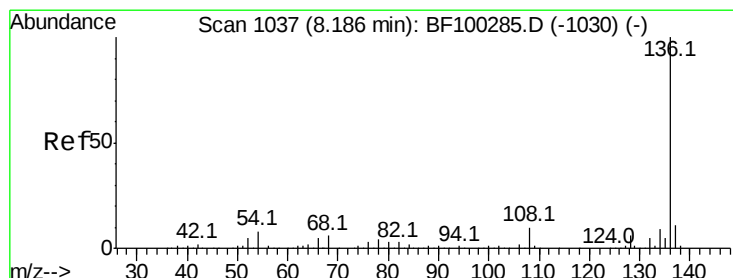
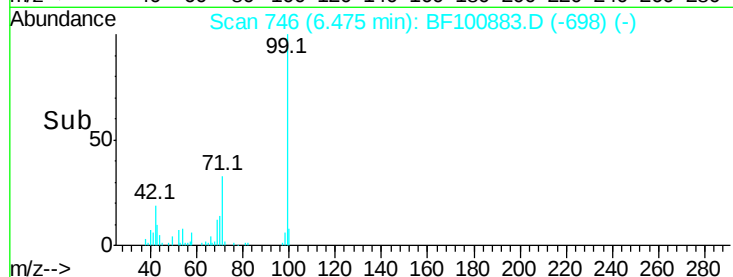
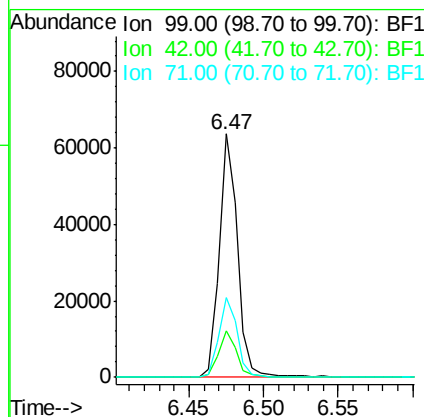
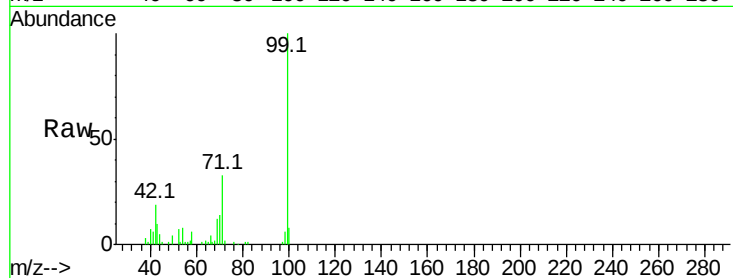
ClientSampleId :

PL-02-112017-CDL

Tot Ion:	99	Resp:	54437
Ion Ratio	Lower	Upper	
99	100		
42	19.2	14.5	21.7
71	32.8	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

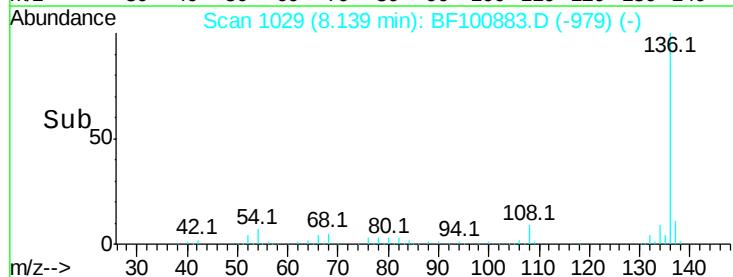
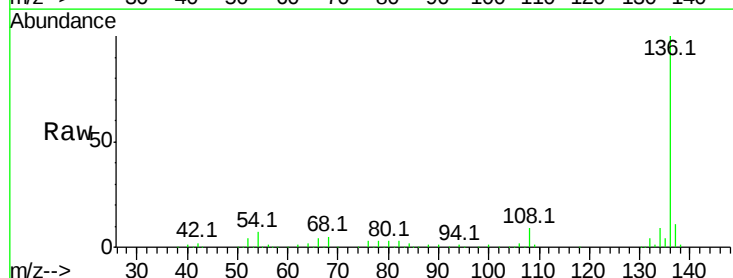
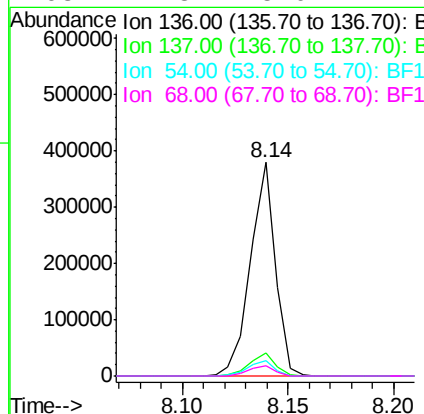
RT: 8.14 min Scan# 1029

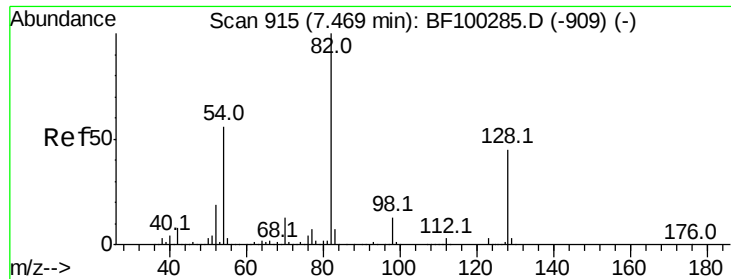
Delta R.T. -0.01 min

Lab File: BF100883.D

Acq: 27 Nov 2017 11:17

Tgt Ion:	136	Resp:	311967
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	7.4	6.6	9.8
68	4.8	5.0	7.4#





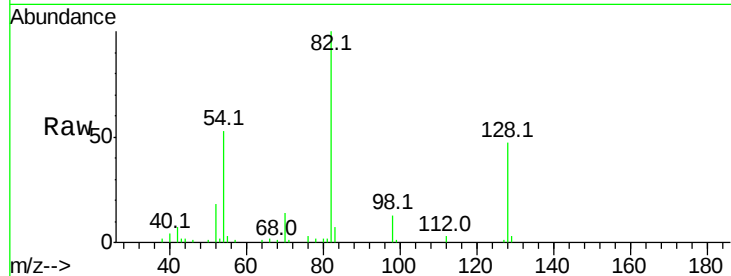
#23
Nitrobenzene-d5
Concen: 6.719 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF100883.D
Acq: 27 Nov 2017 11:17

Instrument :
BNA_F
ClientSampleId :
PL-02-112017-CDL

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.6	36.1	54.1
54	52.7	41.4	62.2

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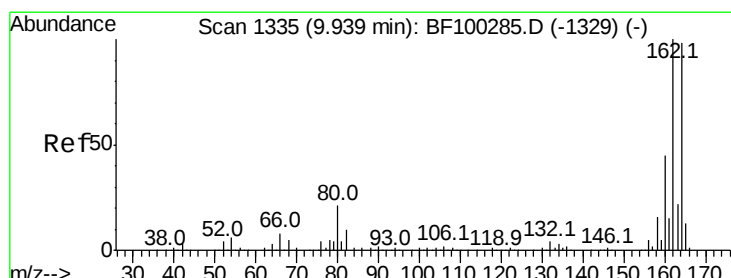
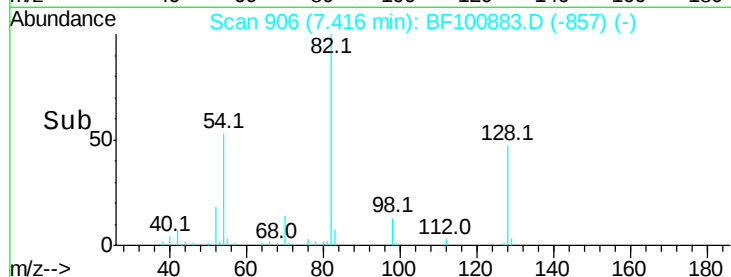
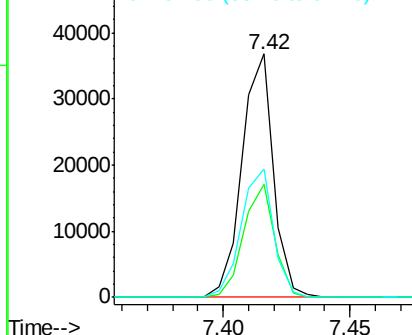


Abundance

Ion 82.00 (81.70 to 82.70): BF1

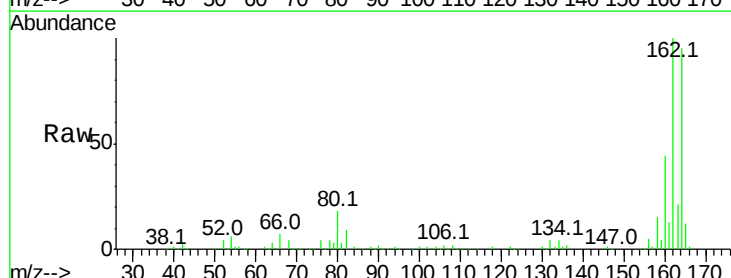
Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF100883.D
Acq: 27 Nov 2017 11:17

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.4	86.1	129.1
160	45.9	38.3	57.5

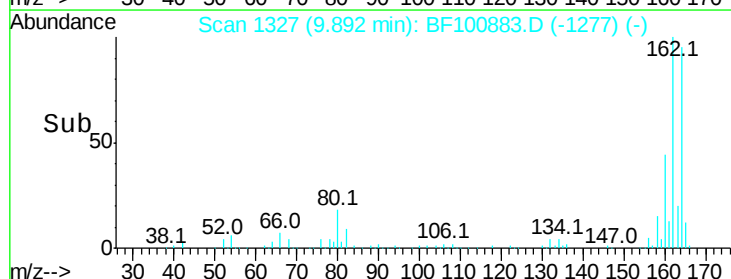
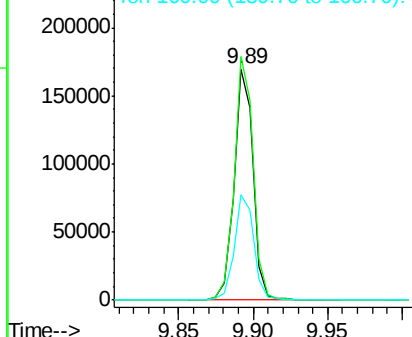


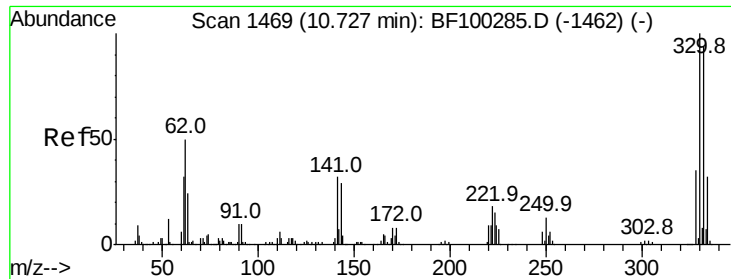
Abundance

Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1





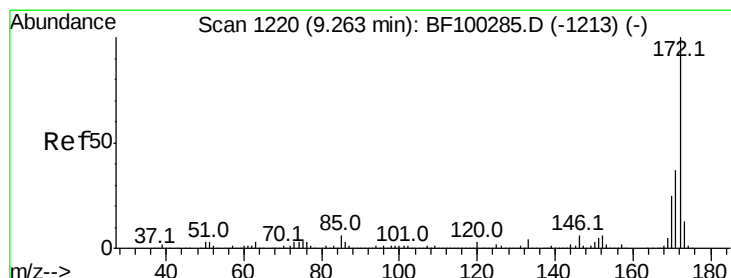
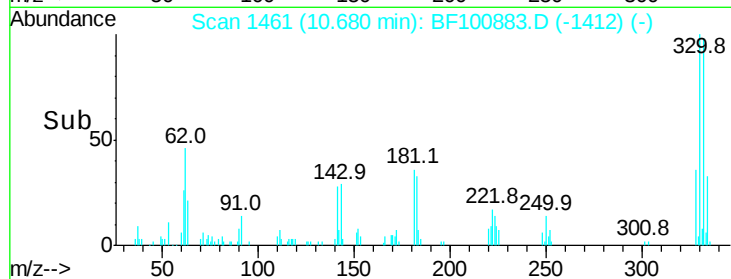
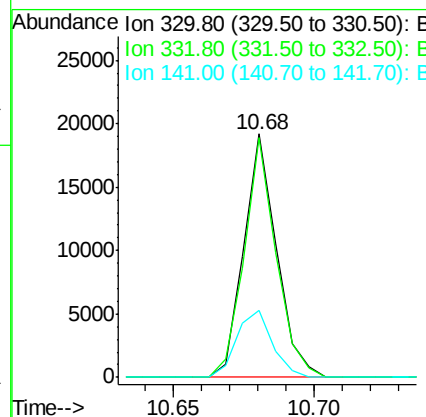
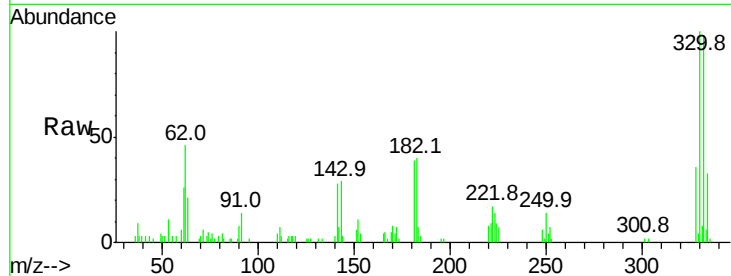
#41
 2,4,6-Tribromophenol
 Concen: 9.978 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF100883.D
 Acq: 27 Nov 2017 11:17

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-112017-CDL

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.0	115.6
141	29.8	29.9	44.9#

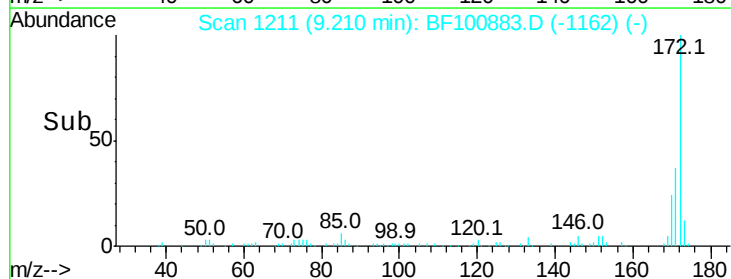
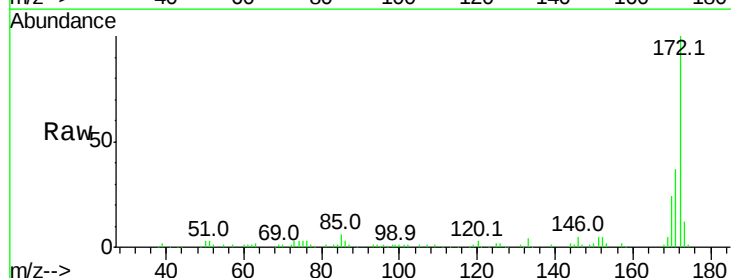
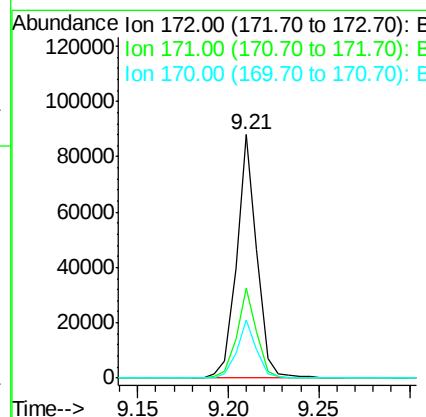
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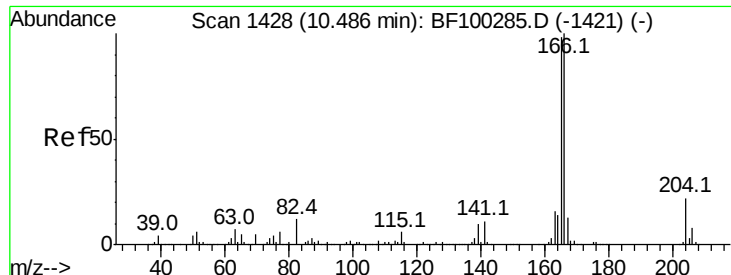
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#44
 2-Fluorobiphenyl
 Concen: 6.782 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF100883.D
 Acq: 27 Nov 2017 11:17

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.7	44.5
170	23.7	19.6	29.4





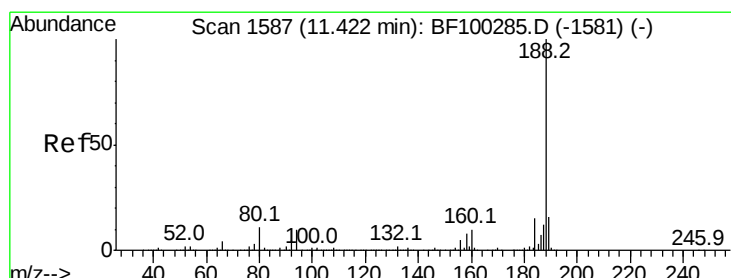
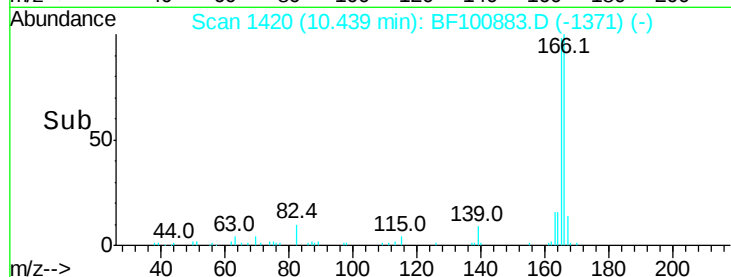
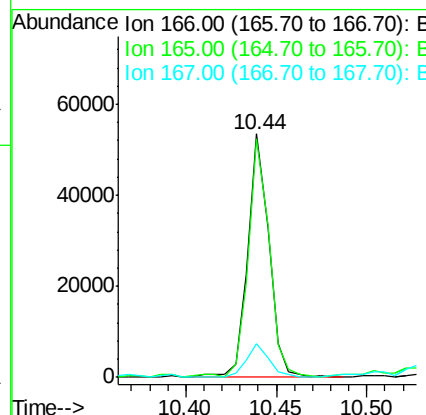
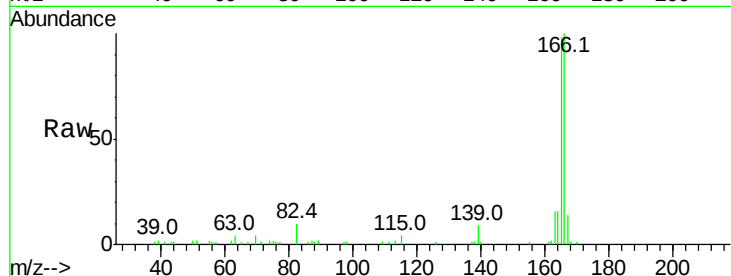
#57
Fluorene
 Concen: 4.403 ng
 RT: 10.44 min Scan# 1420
 Delta R.T. -0.01 min
 Lab File: BF100883.D
 Acq: 27 Nov 2017 11:17

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-112017-CDL

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.2	79.8	119.8
167	14.1	10.6	16.0

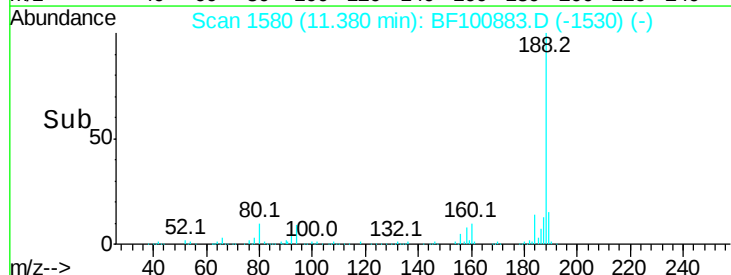
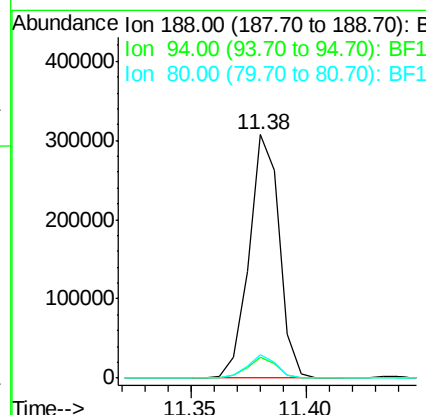
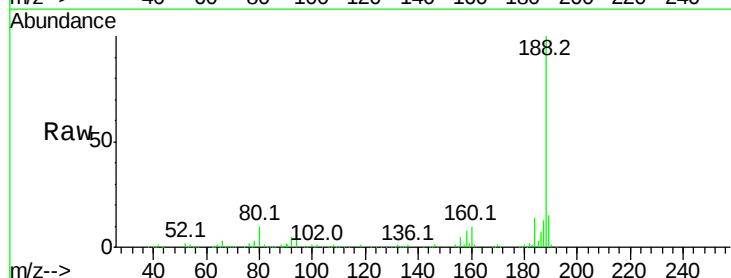
Manual Integrations
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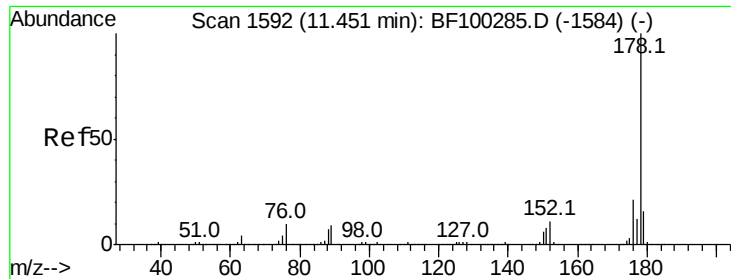
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. -0.01 min
 Lab File: BF100883.D
 Acq: 27 Nov 2017 11:17

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	8.5	12.7
80	9.6	9.2	13.8





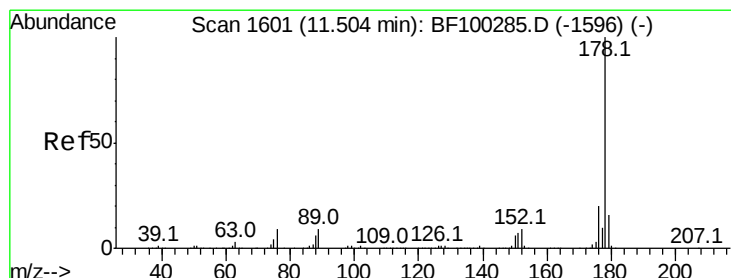
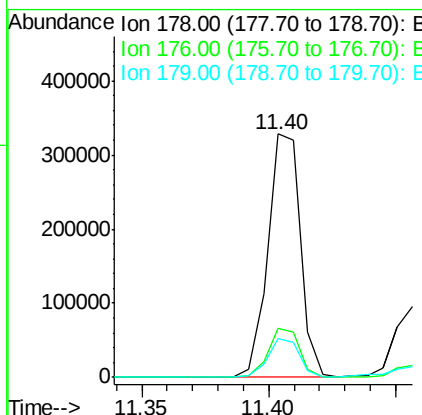
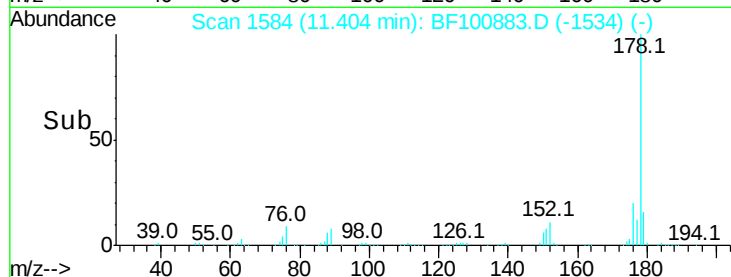
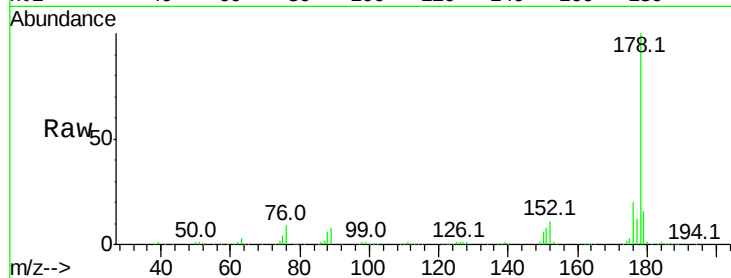
#70
Phenanthrene
Concen: 20.075 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF100883.D
Acq: 27 Nov 2017 11:17

Instrument :
BNA_F
ClientSampleId :
PL-02-112017-CDL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.8
179	16.0	13.0	19.6

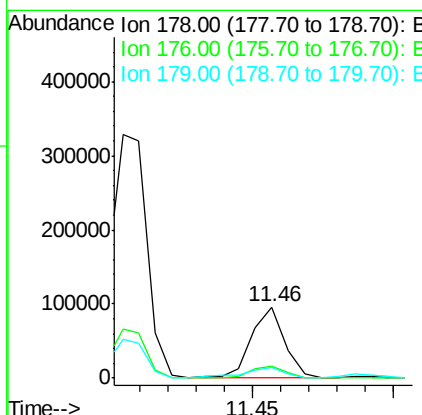
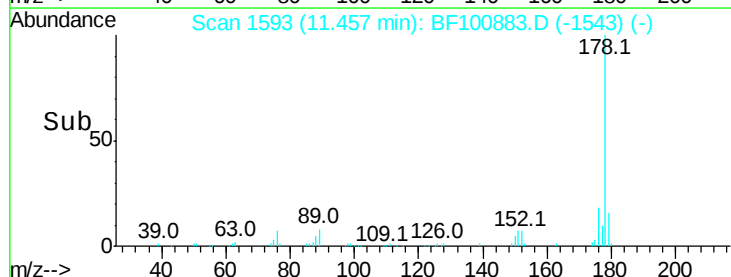
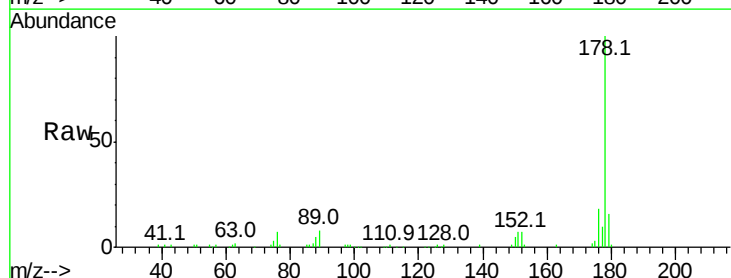
Manual Integrations
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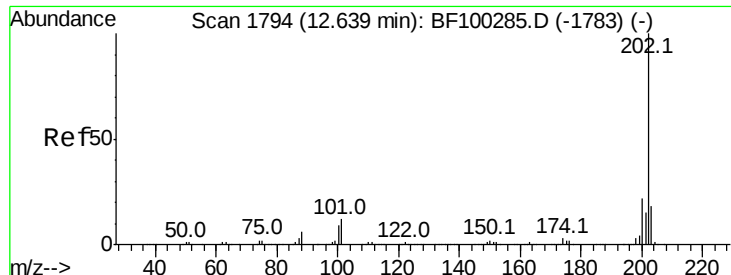
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#71
Anthracene
Concen: 5.075 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF100883.D
Acq: 27 Nov 2017 11:17

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.4	23.2
179	15.5	12.6	19.0





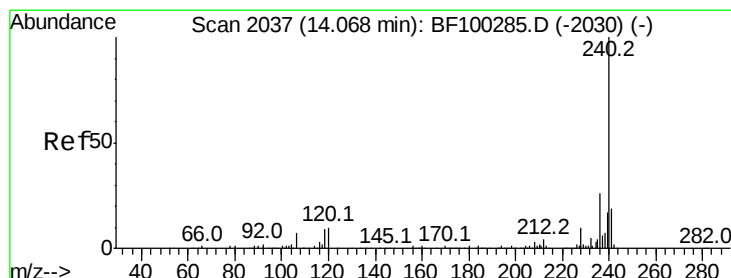
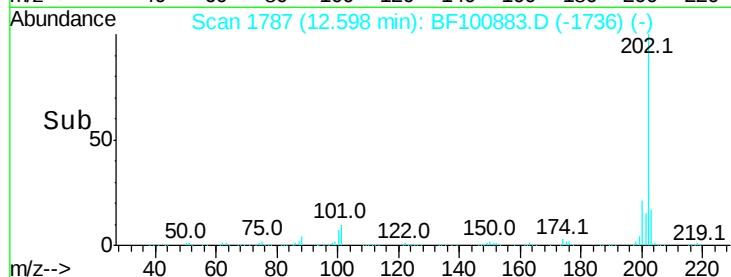
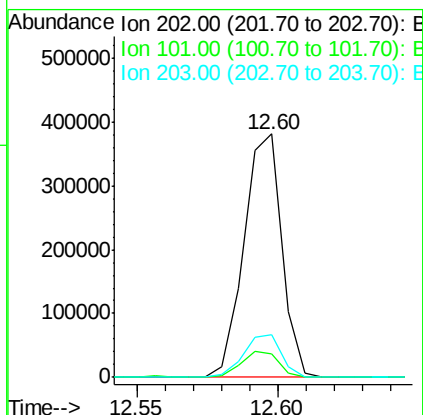
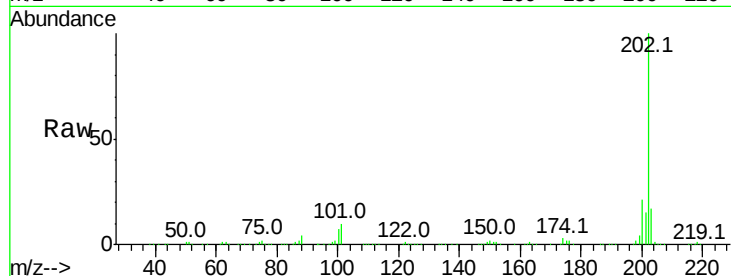
#74
Fluoranthene
Concen: 22.704 ng
RT: 12.60 min Scan# 1787
Delta R.T. -0.00 min
Lab File: BF100883.D
Acq: 27 Nov 2017 11:17

Instrument :
BNA_F
ClientSampleId :
PL-02-112017-CDL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.6	0.0	34.1
203	17.5	0.0	38.1

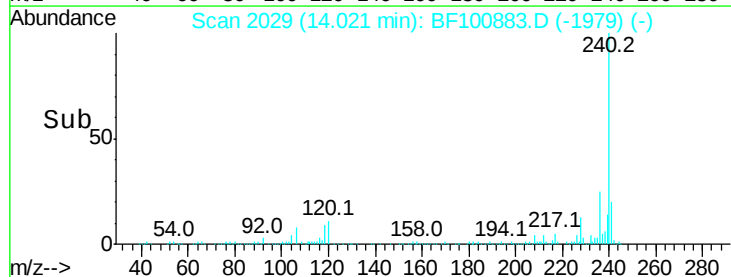
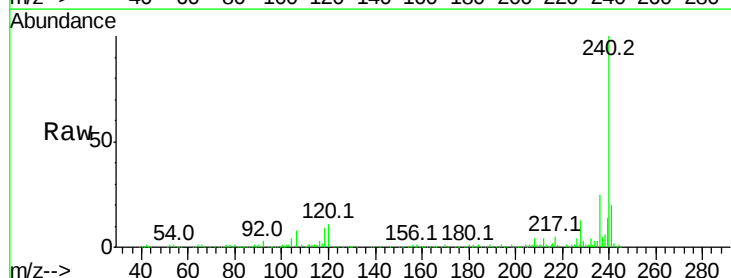
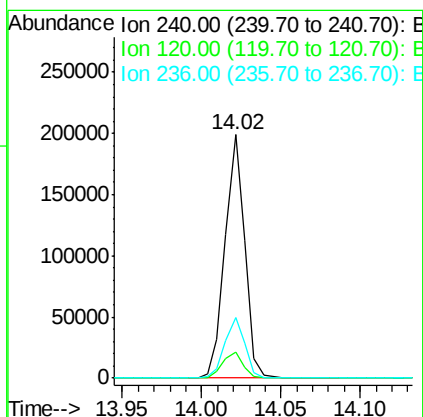
Manual Integrations
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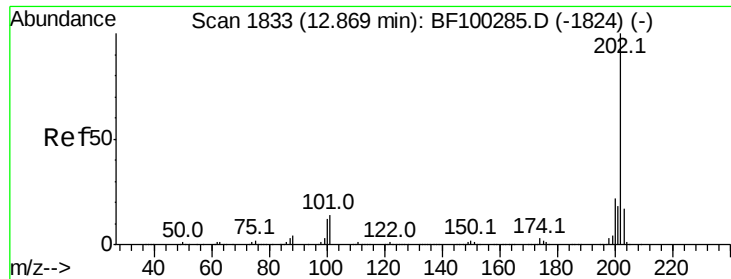
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#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF100883.D
Acq: 27 Nov 2017 11:17

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.8	9.5	14.3
236	25.0	20.7	31.1





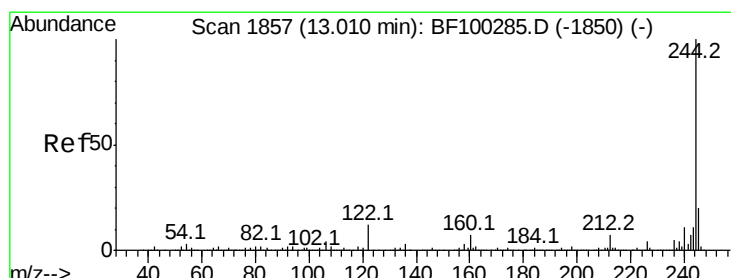
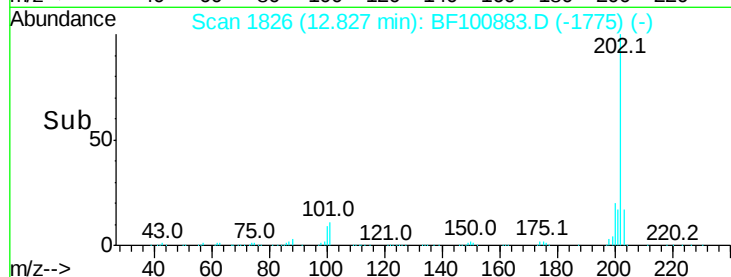
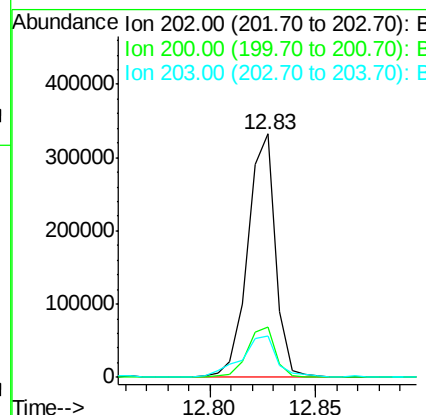
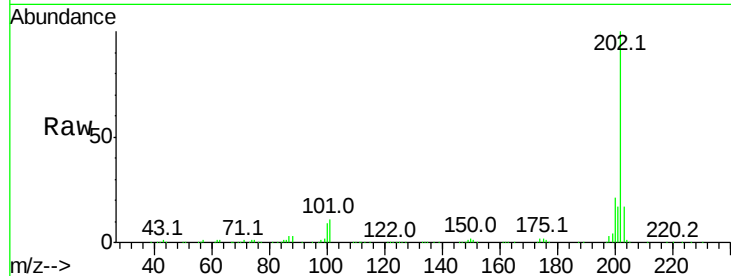
#77
Pvrene
Concen: 24.707 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.00 min
Lab File: BF100883.D
Acq: 27 Nov 2017 11:17

Instrument :
BNA_F
ClientSampleId :
PL-02-112017-CDL

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.4	26.2
203	17.1	14.3	21.5

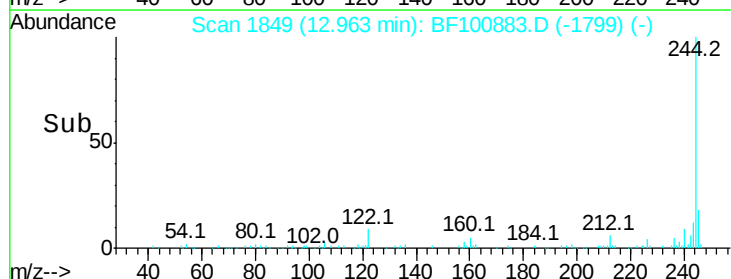
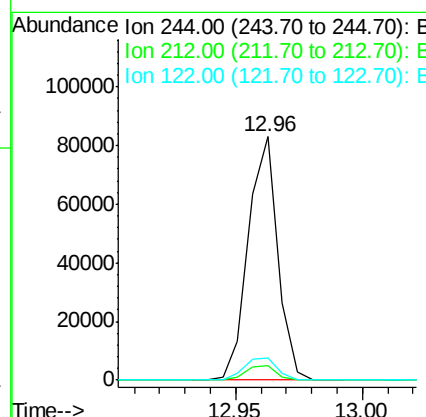
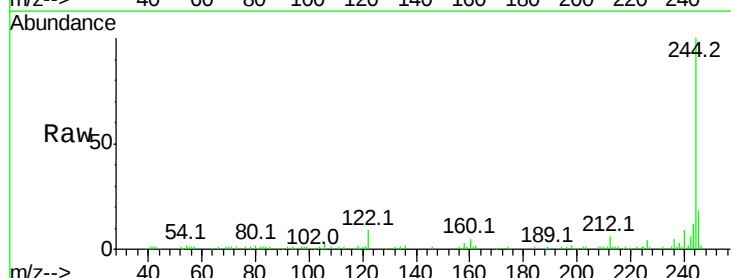
Manual Integrations
APPROVED

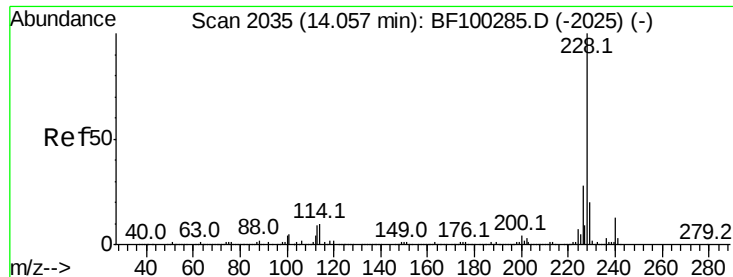
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#78
Terphenyl-d14
Concen: 8.962 ng
RT: 12.96 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BF100883.D
Acq: 27 Nov 2017 11:17

Tgt Ion	Ratio	Lower	Upper
244	100		
212	5.8	5.4	8.0
122	9.1	11.0	16.4#





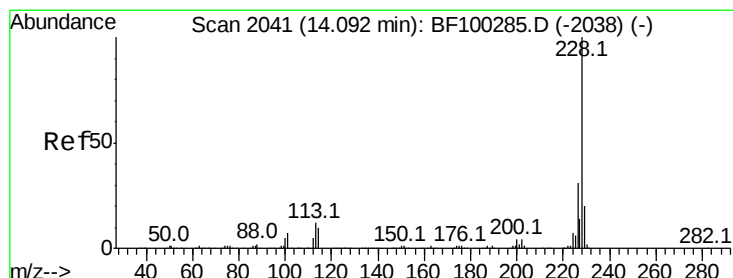
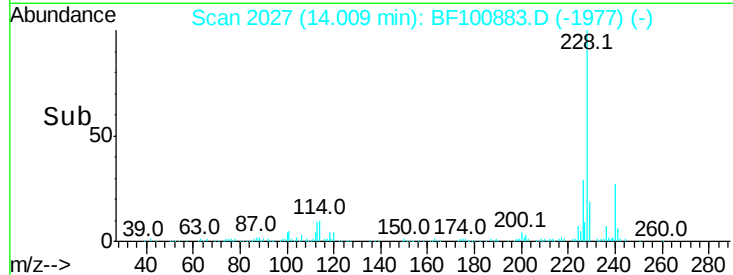
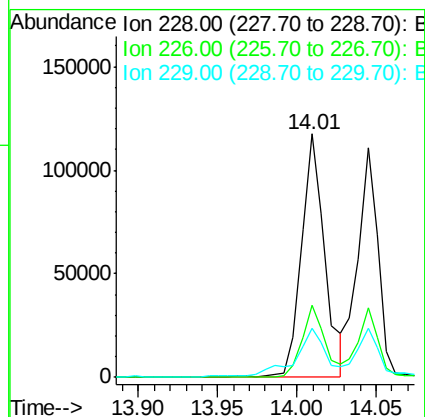
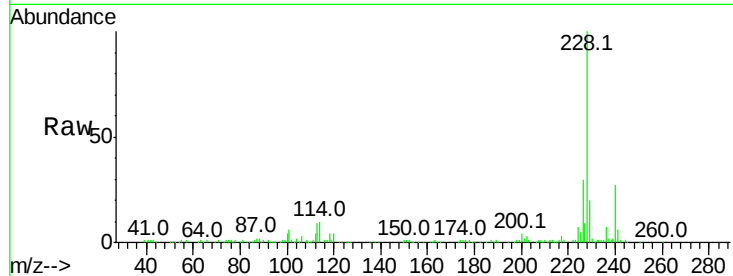
#80
Benzo(a)anthracene
Concen: 11.624 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF100883.D
Acq: 27 Nov 2017 11:17

Instrument :
BNA_F
ClientSampleId :
PL-02-112017-CDL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.6	33.8
229	20.0	15.8	23.6

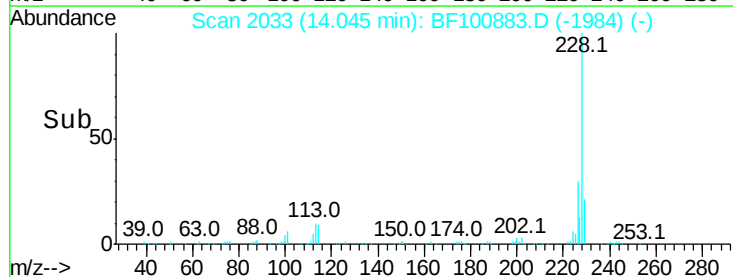
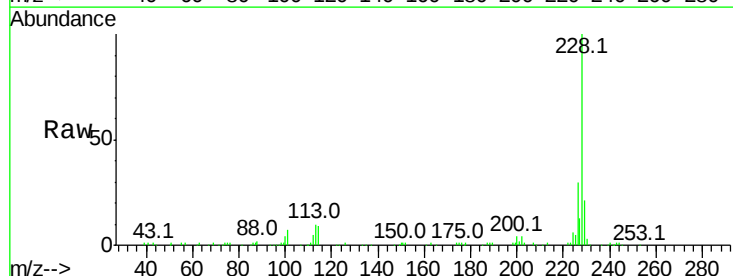
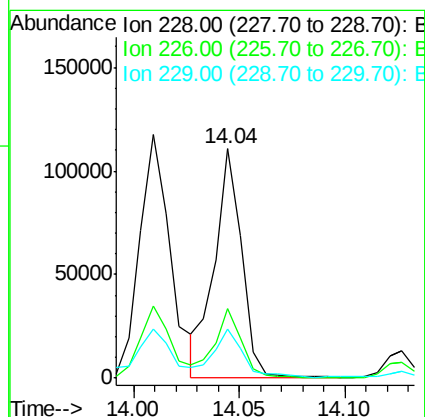
Manual Integrations
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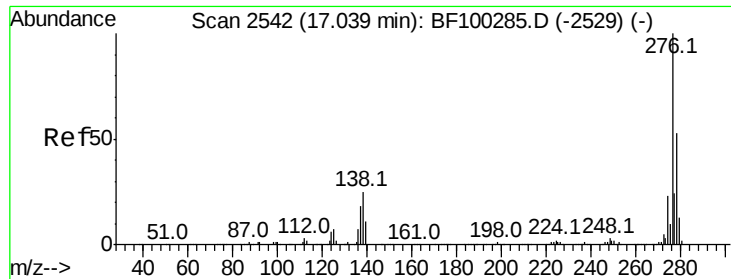
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#82
Chrysene
Concen: 9.939 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF100883.D
Acq: 27 Nov 2017 11:17

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.0	37.6
229	21.4	16.2	24.4





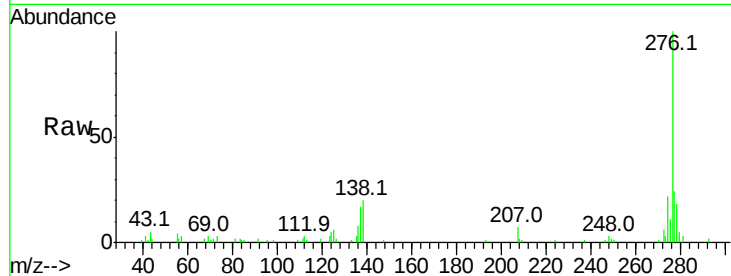
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.044 ng
RT: 16.96 min Scan# 2528
Delta R.T. -0.02 min
Lab File: BF100883.D
Acq: 27 Nov 2017 11:17

Instrument :
BNA_F
ClientSampleId :
PL-02-112017-CDL

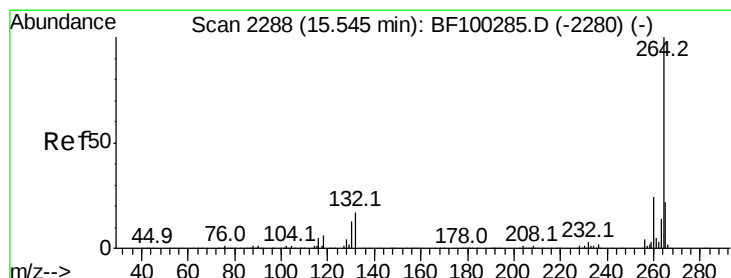
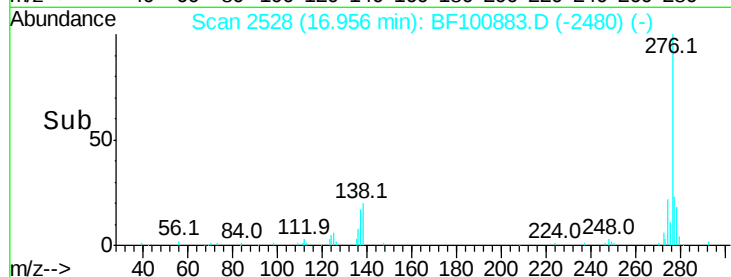
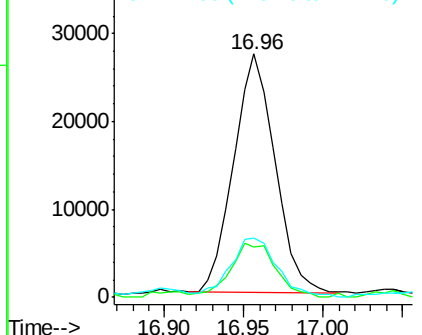
Tot Ion	Ratio	Lower	Upper
276	100		
138	25.1	25.0	37.6
277	28.4	20.1	30.1

Manual Integrations
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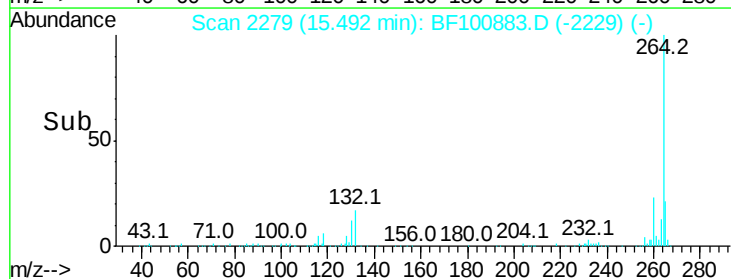
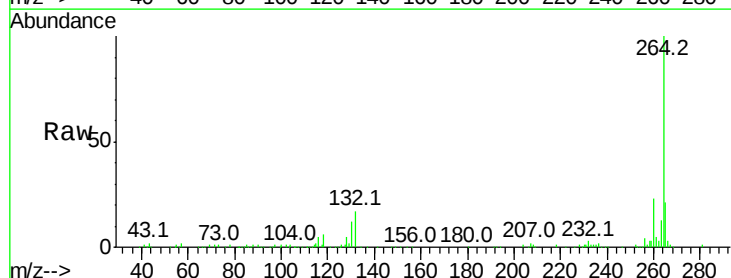
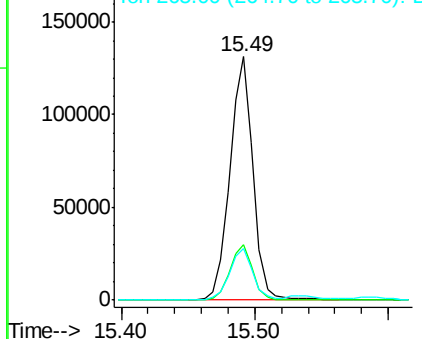
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

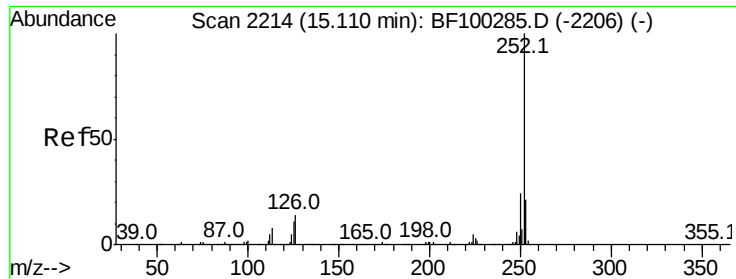


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BF100883.D
Acq: 27 Nov 2017 11:17

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.2	28.8
265	21.4	17.5	26.3

Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 10.937 ng m

RT: 15.06 min Scan# 2206

Delta R.T. -0.01 min

Lab File: BF100883.D

Acq: 27 Nov 2017 11:17

Instrument :

BNA_F

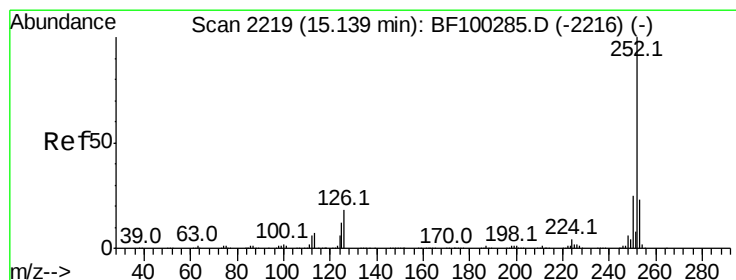
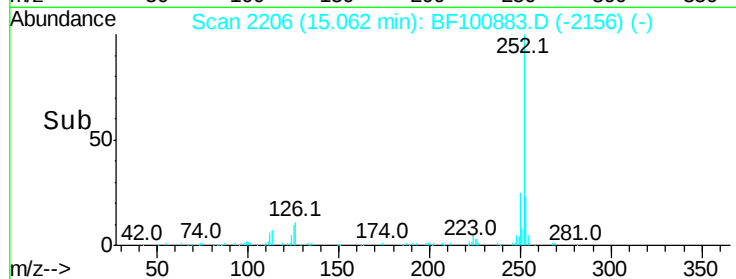
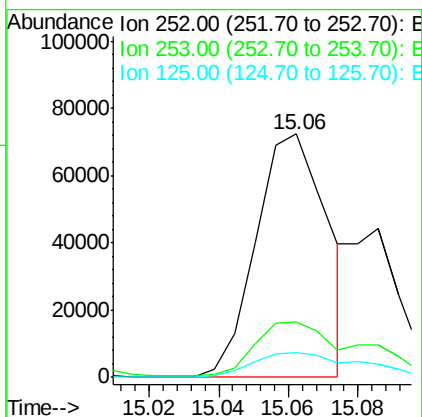
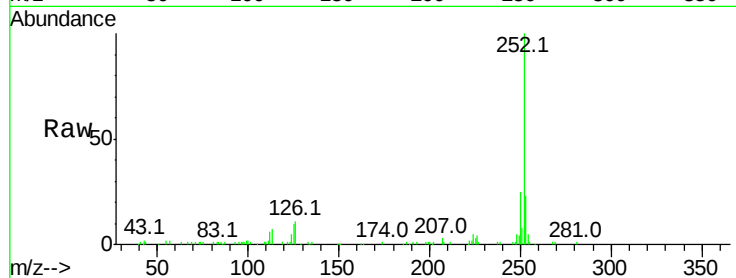
ClientSampleId :

PL-02-112017-CDL

Tot Ion:	252	Resp:	103393
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.0	25.6
125	10.3	9.0	13.6

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 4.789 ng m

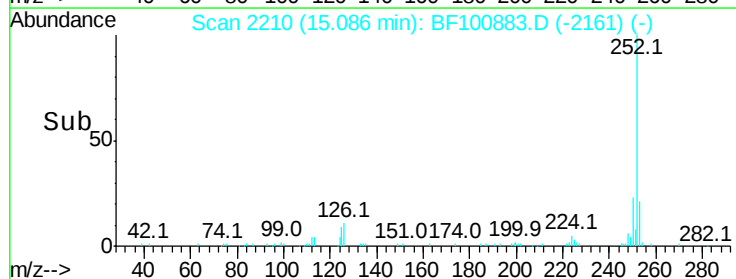
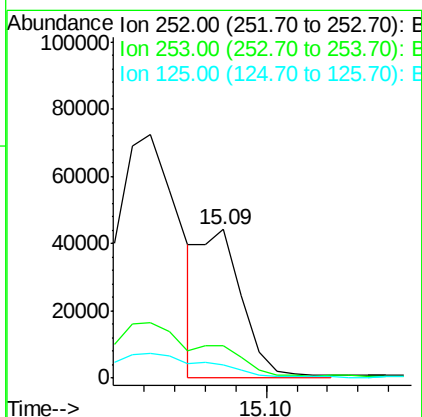
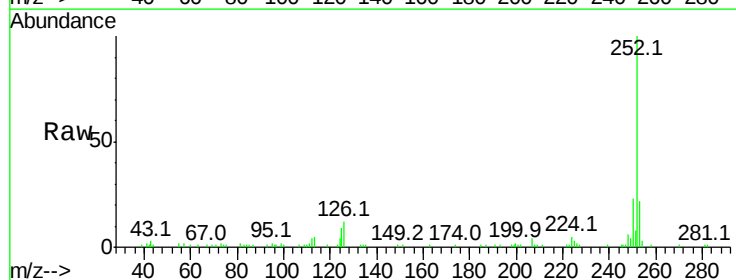
RT: 15.09 min Scan# 2210

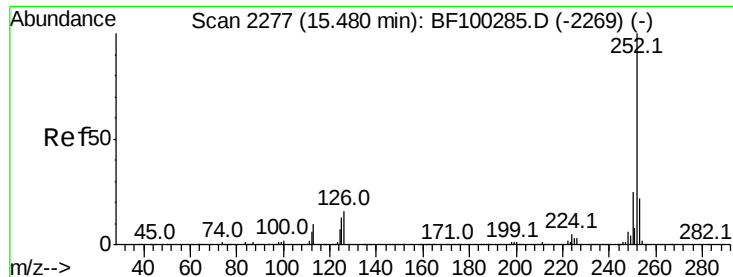
Delta R.T. -0.01 min

Lab File: BF100883.D

Acq: 27 Nov 2017 11:17

Tgt Ion:	252	Resp:	42774
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.9	26.9
125	9.3	10.2	15.2#





#89

Benzo(a)pyrene

Concen: 9.649 ng

RT: 15.43 min Scan# 2268

Delta R.T. -0.01 min

Lab File: BF100883.D

Acq: 27 Nov 2017 11:17

Instrument :

BNA_F

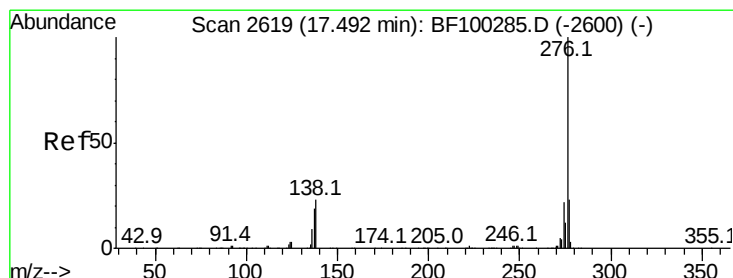
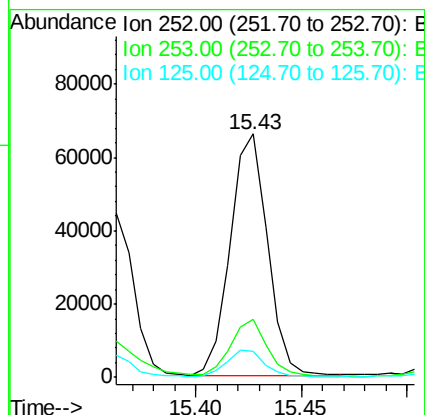
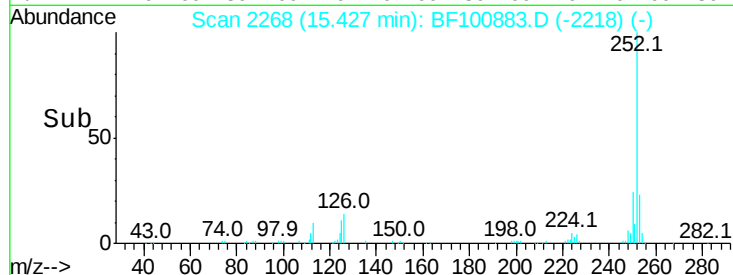
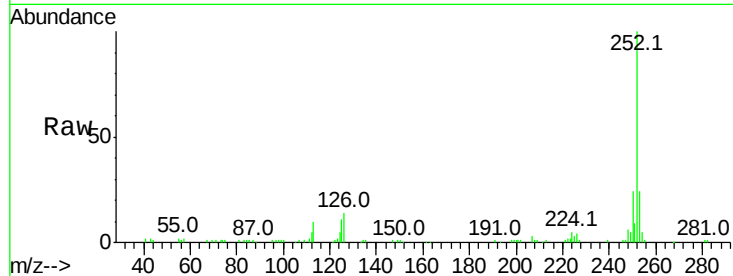
ClientSampleId :

PL-02-112017-CDL

Tot Ion:	252	Resp:	80871
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.1	25.7
125	10.9	9.8	14.6

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 7.245 ng

RT: 17.40 min Scan# 2604

Delta R.T. -0.02 min

Lab File: BF100883.D

Acq: 27 Nov 2017 11:17

Tgt Ion:	276	Resp:	48610
Ion Ratio	Lower	Upper	
276	100		
277	22.1	17.9	26.9
138	20.9	21.8	32.8#

