

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111617\
 Data File : BF100642.D
 Acq On : 16 Nov 2017 20:29
 Operator : SJ/JU
 Sample : I6419-02 2X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LEW-2-E(1-2)

Manual Integrations
 APPROVED

SOHIL
 11/17/2017 1:25:15 PM

Quant Time: Nov 17 01:35:59 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 16 12:15:03 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	130638	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	494521	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	201862	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	312035	20.00	ng	0.00
75) Chrysene-d12	14.04	240	249478	20.00	ng	0.00
86) Perylene-d12	15.53	264	201095	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	319483	39.20	ng	0.00
7) Phenol-d6	6.50	99	419592	41.75	ng	-0.01
23) Nitrobenzene-d5	7.44	82	254534	34.03	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	48949	23.80	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	482551	36.40	ng	0.00
78) Terphenyl-d14	12.99	244	311968	28.73	ng	0.00
Target Compounds						
10) Phenol	6.51	94	33844	3.208	ng	96
49) Dimethylphthalate	9.63	163	40877	2.652	ng	# 97
70) Phenanthrene	11.43	178	236039	14.367	ng	99
71) Anthracene	11.48	178	59997	3.599	ng	98
74) Fluoranthene	12.62	202	326571	18.756	ng	98
77) Pyrene	12.85	202	321564	18.082	ng	99
80) Benzo(a)anthracene	14.03	228	159690	10.629	ng	96
82) Chrysene	14.07	228	140742	9.674	ng	97
85) Indeno(1,2,3-cd)pyrene	17.01	276	51440	4.371	ng	# 90
87) Benzo(b)fluoranthene	15.09	252	145089m	12.178	ng	
88) Benzo(k)fluoranthene	15.12	252	57708m	5.126	ng	
89) Benzo(a)pyrene	15.46	252	103963	9.843	ng	# 94
91) Benzo(a,h,i)perylene	17.46	276	53494	6.327	ng	95

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

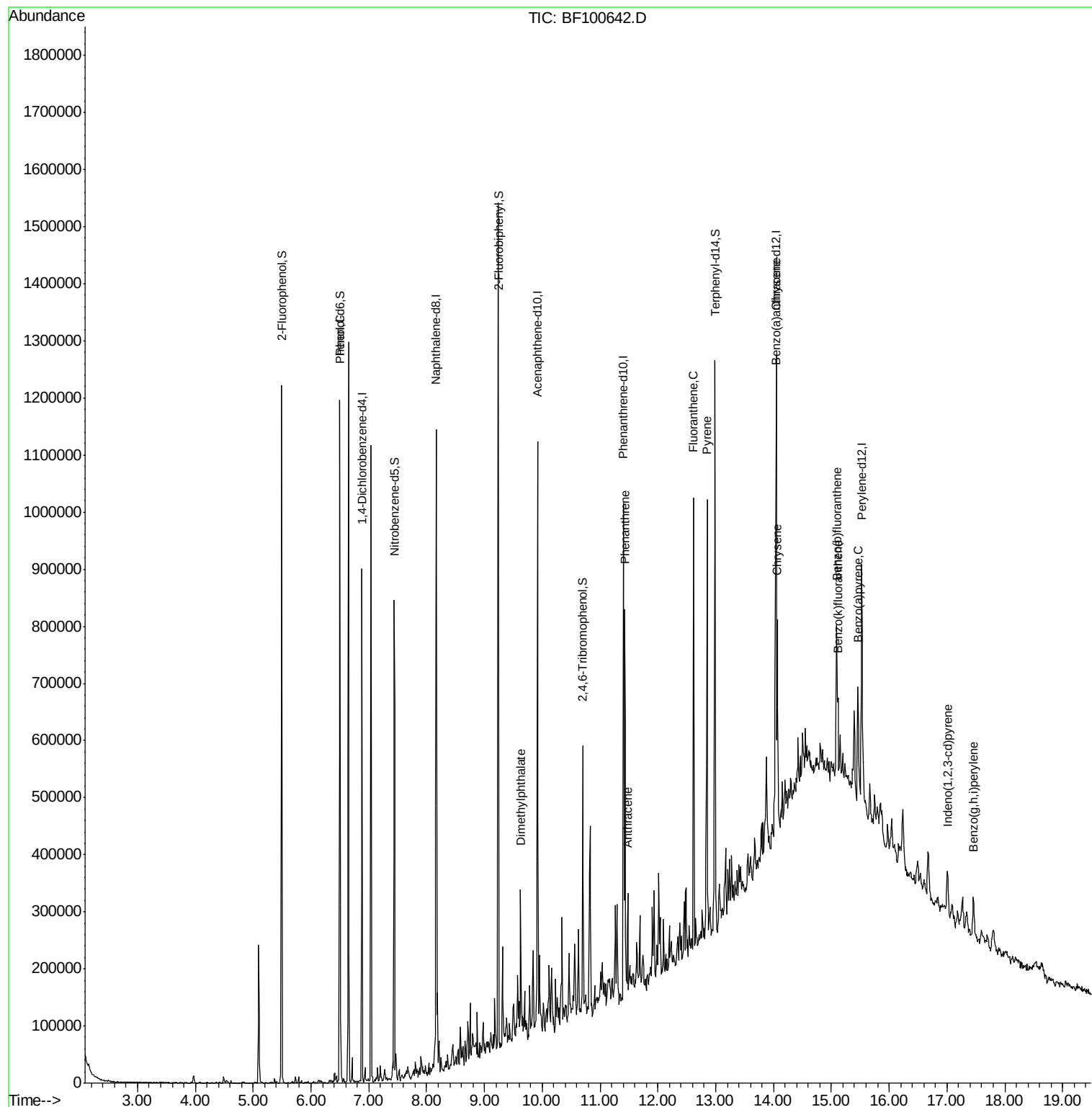
Data Path : Z:\HPCHEM1\BNA F\DATA\BF111617\
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ALS Vial : 26 Sample Multiplier: 1

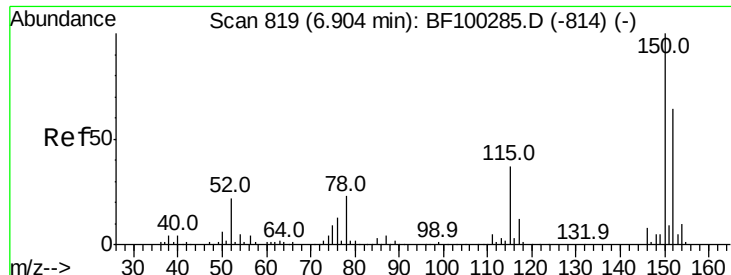
Instrument :
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ClientSampleId :
LEW-2-E(1-2)

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#1

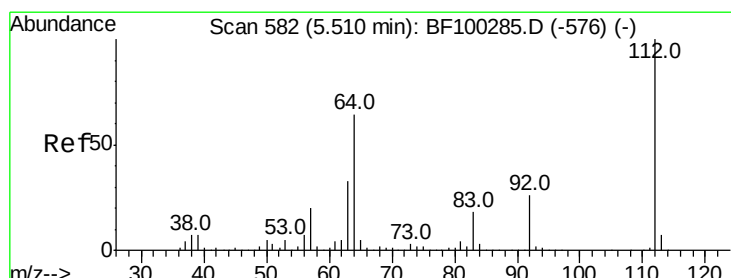
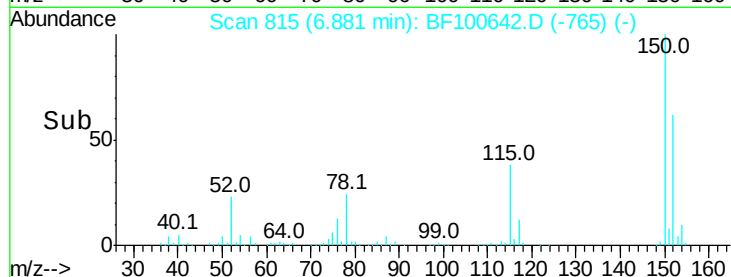
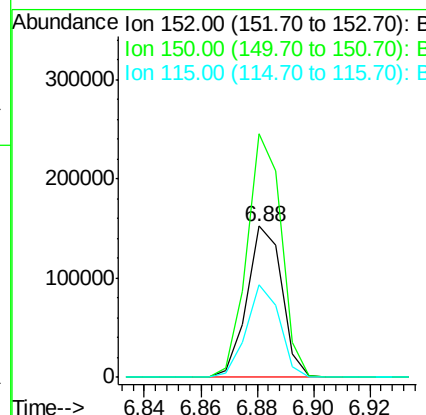
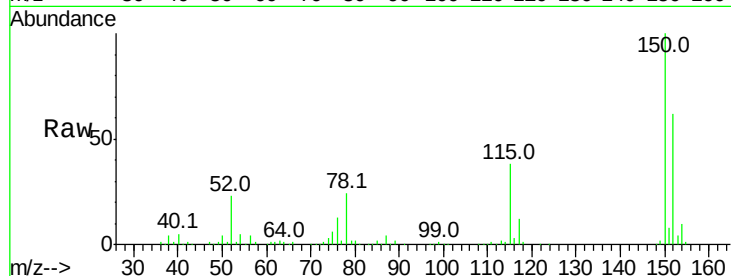
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF100642.D
Acq: 16 Nov 2017 20:29

Instrument :
BNA_F
ClientSampleId :
LEW-2-E(1-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.0	124.6	186.8
115	61.4	50.1	75.1

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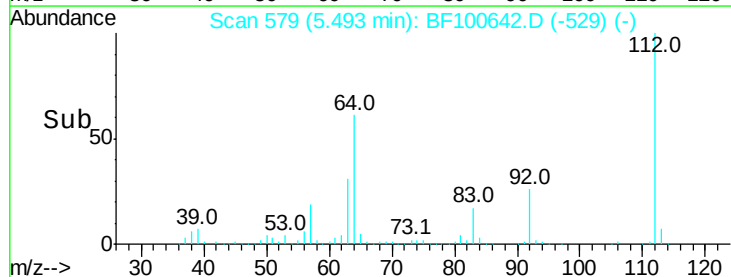
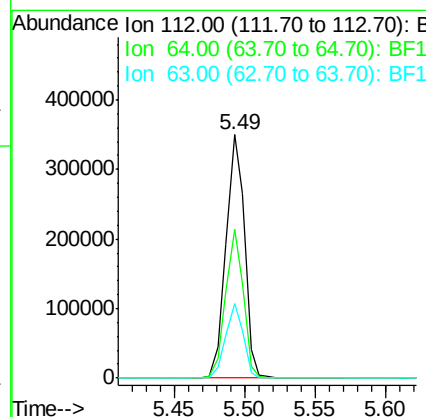
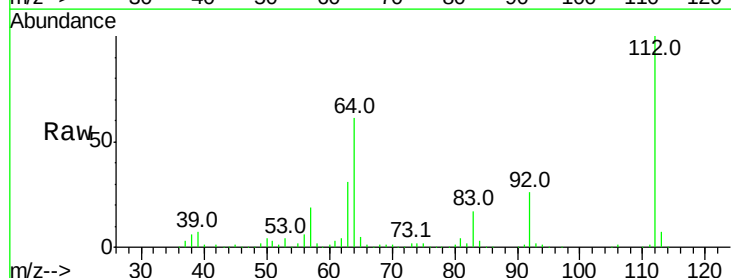
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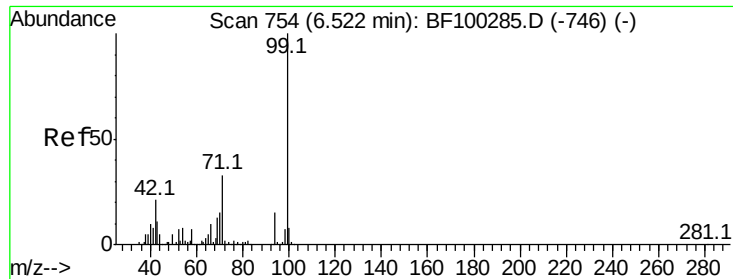


#5

2-Fluorophenol
Concen: 39.202 ng
RT: 5.49 min Scan# 579
Delta R.T. -0.01 min
Lab File: BF100642.D
Acq: 16 Nov 2017 20:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.9	47.9	71.9
63	30.7	23.7	35.5





#7

Phenol-d6

Concen: 41.752 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF100642.D

Acq: 16 Nov 2017 20:29

Instrument :

BNA_F

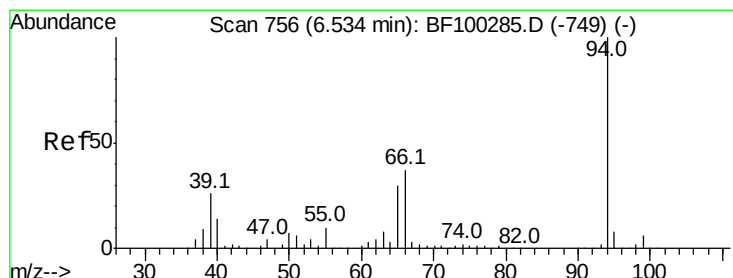
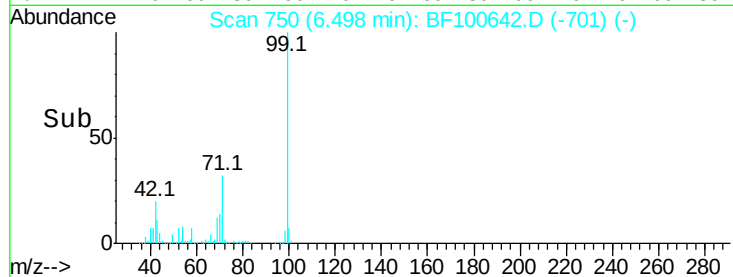
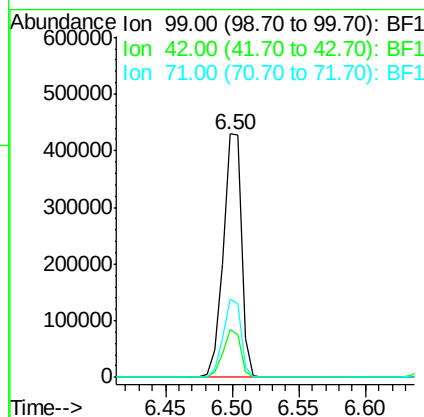
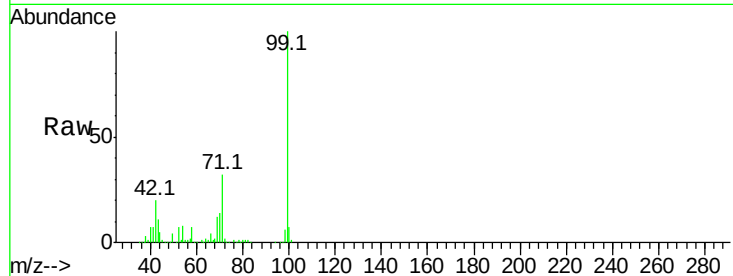
ClientSampleId :

LEW-2-E(1-2)

Tot Ion:	99	Resp:	419592
Ion Ratio	Lower	Upper	
99	100		
42	19.7	14.5	21.7
71	32.1	25.4	38.0

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#10

Phenol

Concen: 3.208 ng

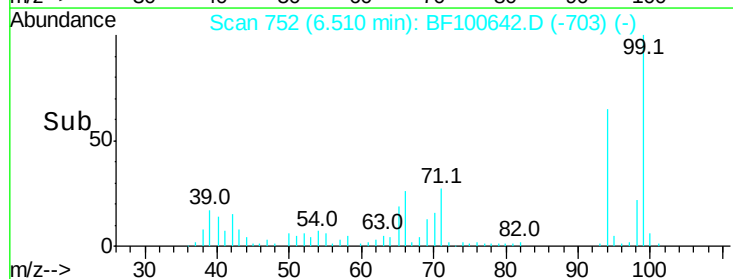
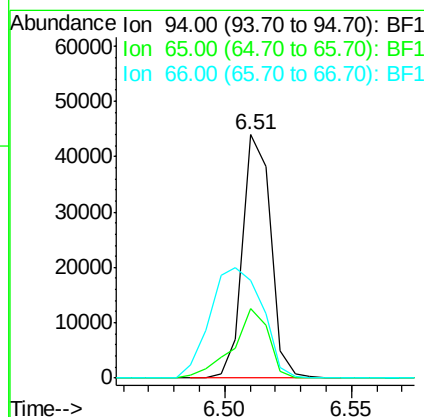
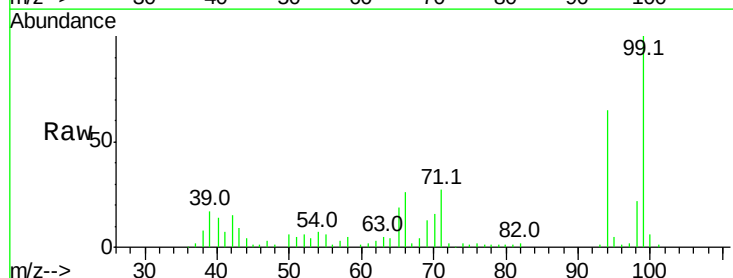
RT: 6.51 min Scan# 752

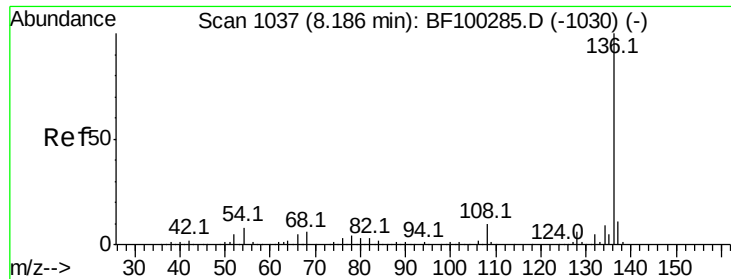
Delta R.T. -0.01 min

Lab File: BF100642.D

Acq: 16 Nov 2017 20:29

Tgt Ion:	94	Resp:	33844
Ion Ratio	Lower	Upper	
94	100		
65	28.6	7.9	47.9
66	40.1	16.2	56.2





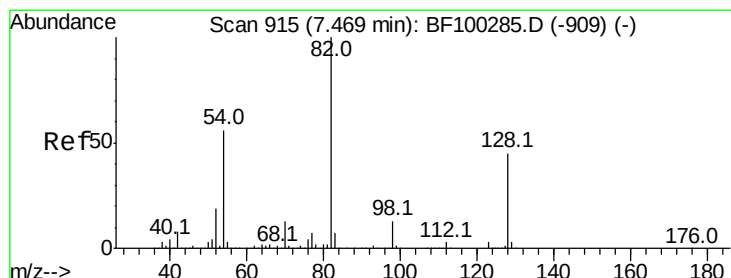
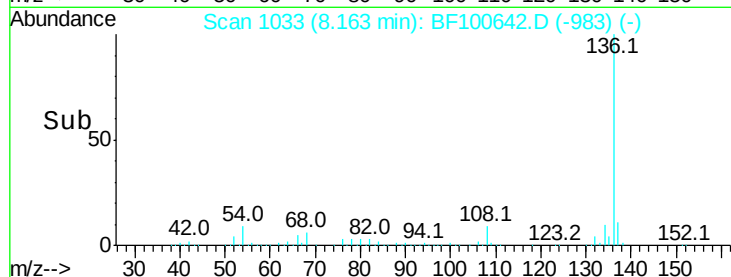
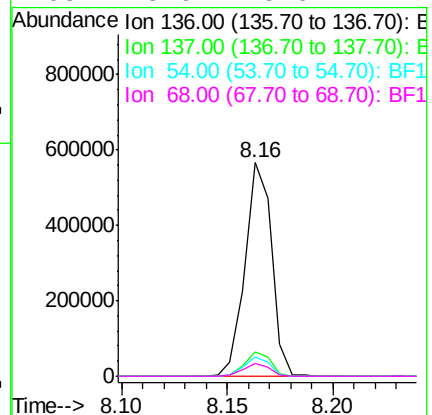
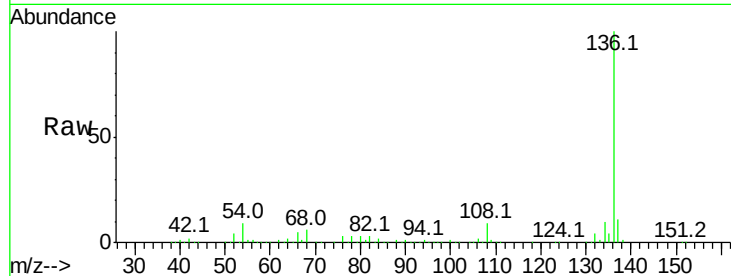
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF100642.D
Acq: 16 Nov 2017 20:29

Instrument :
BNA_F
ClientSampleId :
LEW-2-E(1-2)

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.2	8.9	13.3	
54	8.8	6.6	9.8	
68	5.9	5.0	7.4	

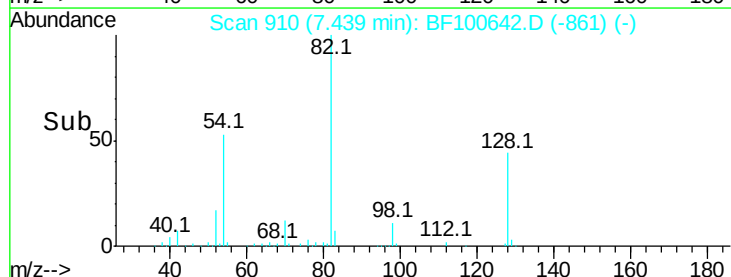
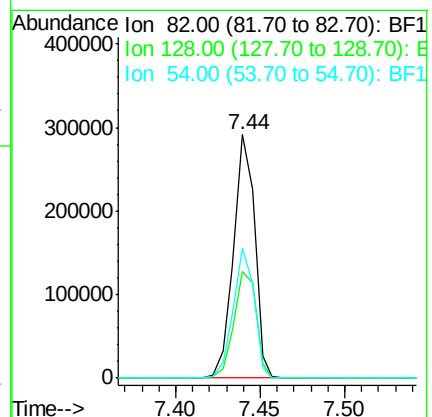
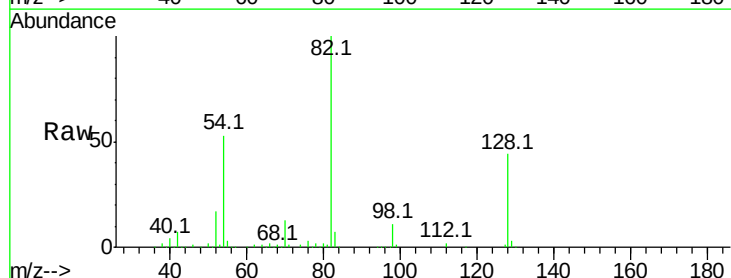
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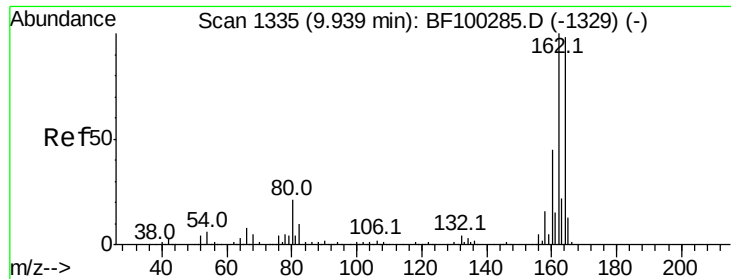
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#23
Nitrobenzene-d5
Concen: 34.029 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF100642.D
Acq: 16 Nov 2017 20:29

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.1	36.1	54.1	
54	53.3	41.4	62.2	





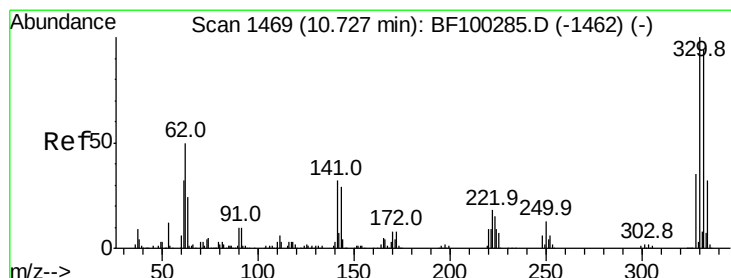
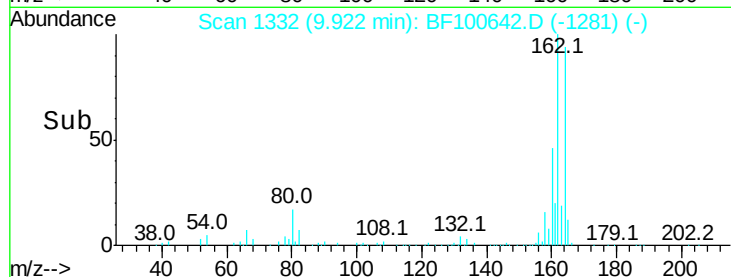
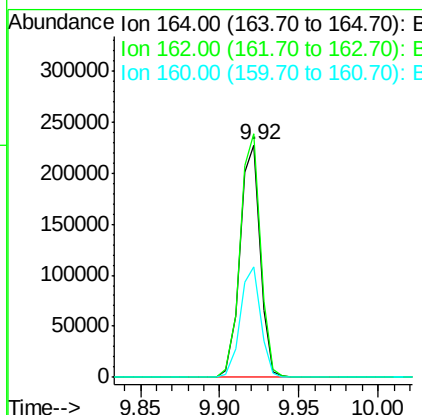
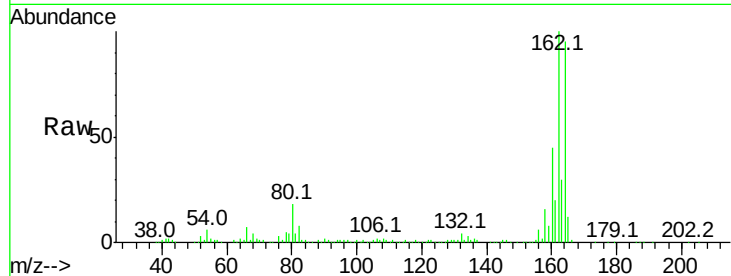
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: BF100642.D
 Acq: 16 Nov 2017 20:29

Instrument :
 BNA_F
 ClientSampleId :
 LEW-2-E(1-2)

Tot Ion:	164	Resp:	201862
Ion Ratio	Lower	Upper	
164	100		
162	104.8	86.1	129.1
160	47.6	38.3	57.5

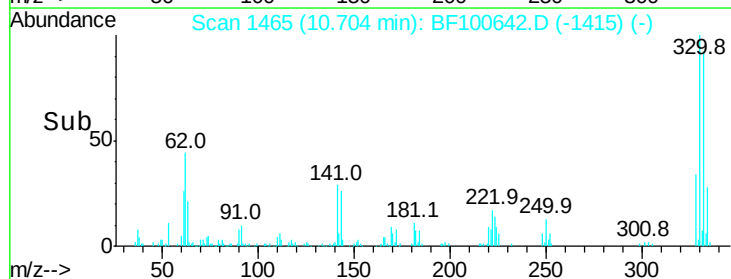
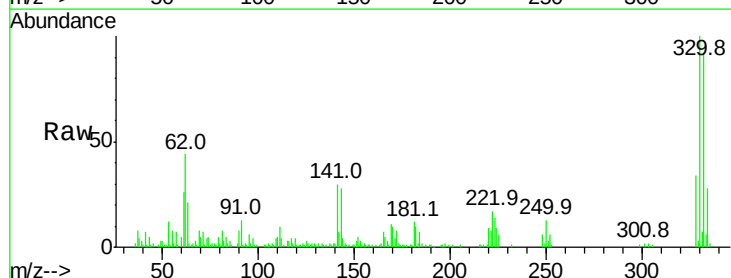
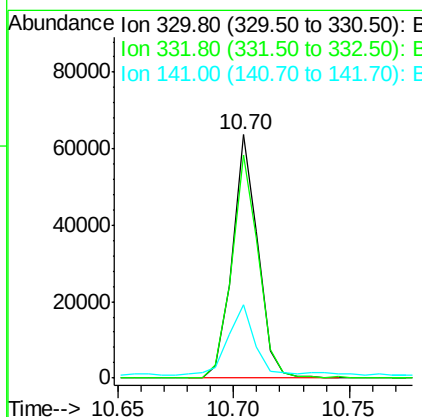
Manual Integrations
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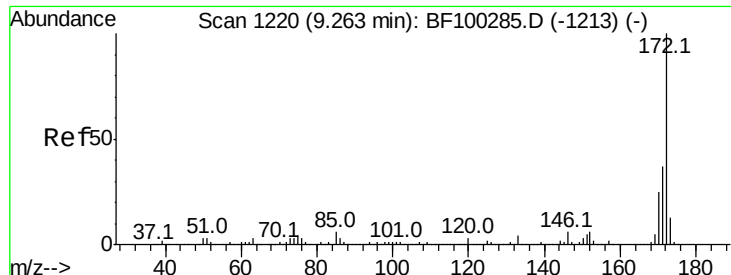
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#41
 2,4,6-Tribromophenol
 Concen: 23.797 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF100642.D
 Acq: 16 Nov 2017 20:29

Tgt Ion:	330	Resp:	48949
Ion Ratio	Lower	Upper	
330	100		
332	95.8	77.0	115.6
141	29.4	29.9	44.9#





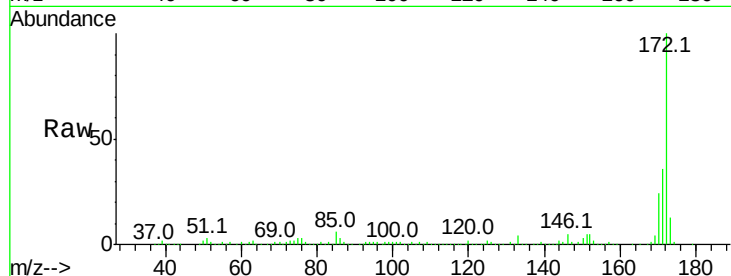
#44
2-Fluorobiphenyl
Concen: 36.400 ng
RT: 9.24 min Scan# 1216
Delta R.T. 0.00 min
Lab File: BF100642.D
Acq: 16 Nov 2017 20:29

Instrument :
BNA_F
ClientSampleId :
LEW-2-E(1-2)

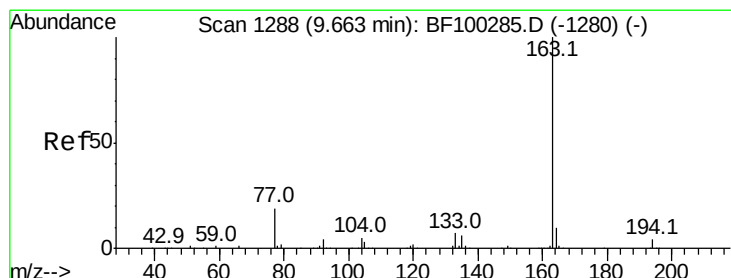
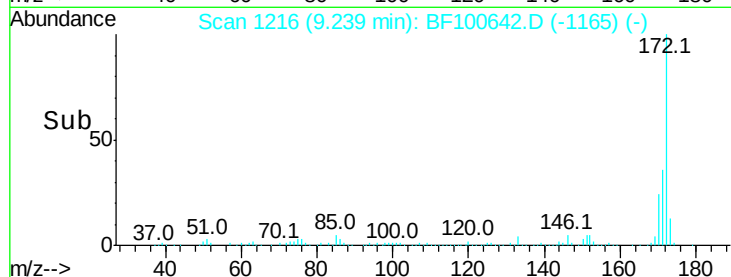
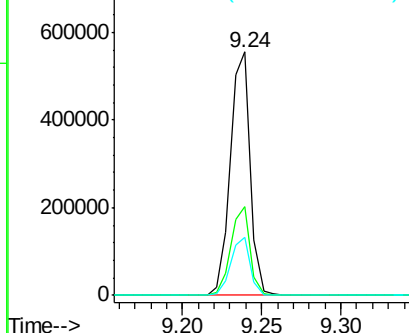
Tot Ion	Ratio	Resp	Lower	Upper
172	100	482551		
171	36.3		29.7	44.5
170	24.0		19.6	29.4

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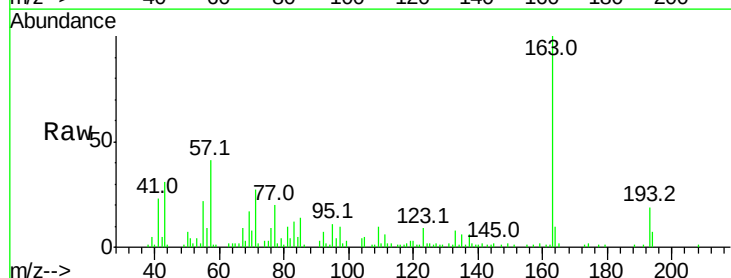


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

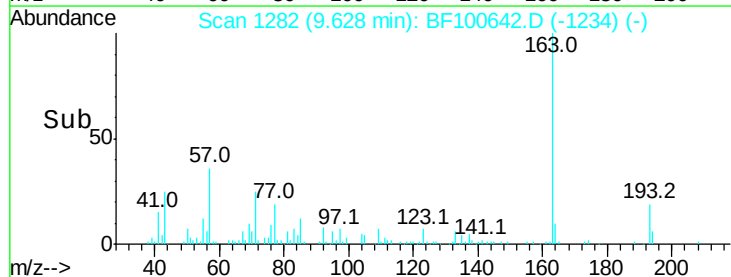
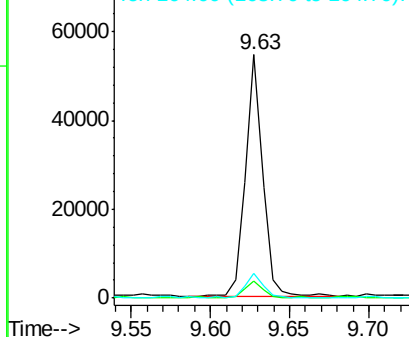


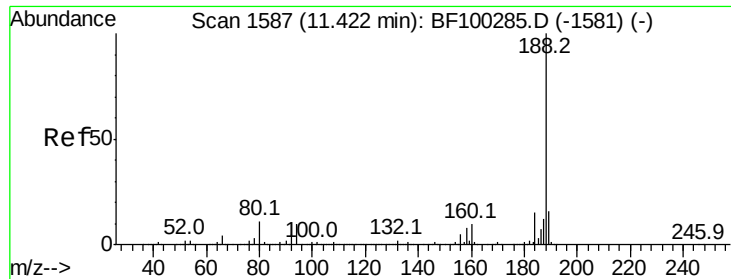
#49
Dimethylphthalate
Concen: 2.652 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF100642.D
Acq: 16 Nov 2017 20:29

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	40877		
194	6.9		2.7	4.1#
164	10.1		8.2	12.2



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





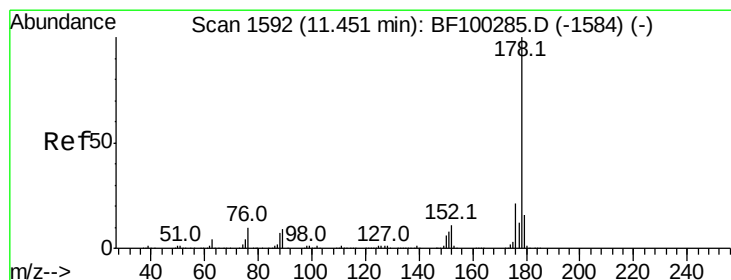
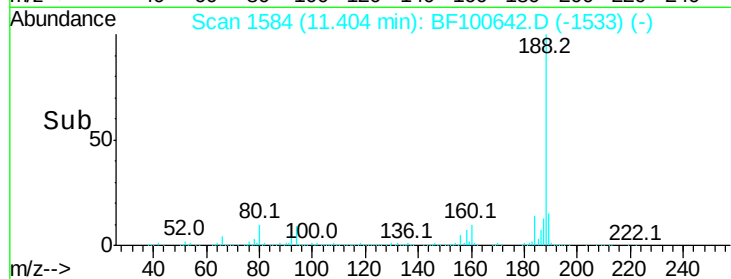
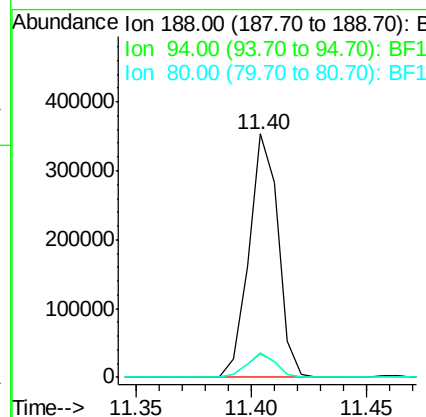
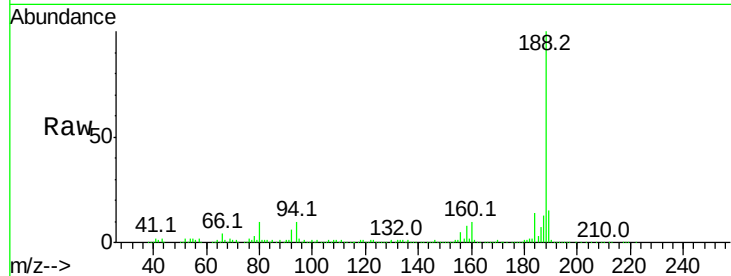
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.00 min
Lab File: BF100642.D
Acq: 16 Nov 2017 20:29

Instrument :
BNA_F
ClientSampleId :
LEW-2-E(1-2)

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.7	8.5	12.7
80	10.2	9.2	13.8

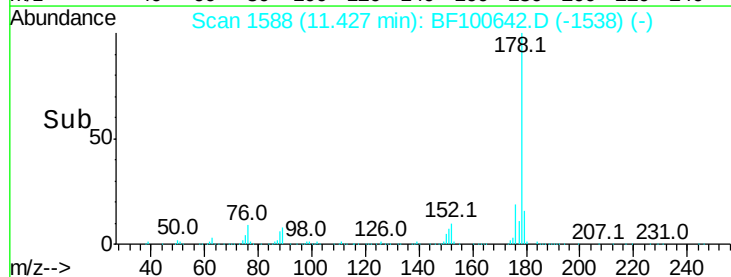
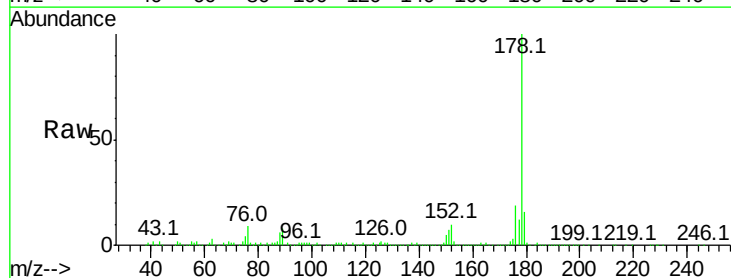
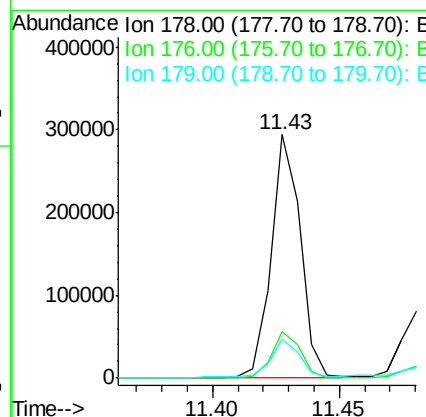
Manual Integrations
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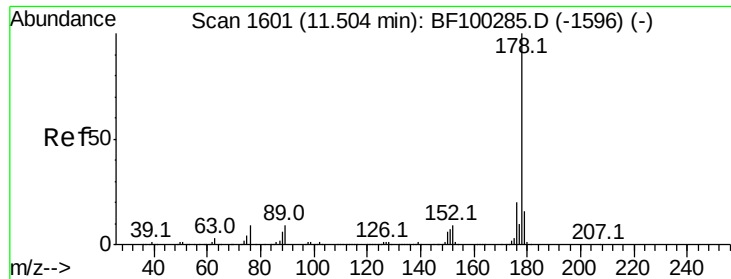
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#70
Phenanthrene
Concen: 14.367 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF100642.D
Acq: 16 Nov 2017 20:29

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.1	15.8	23.8
179	16.0	13.0	19.6





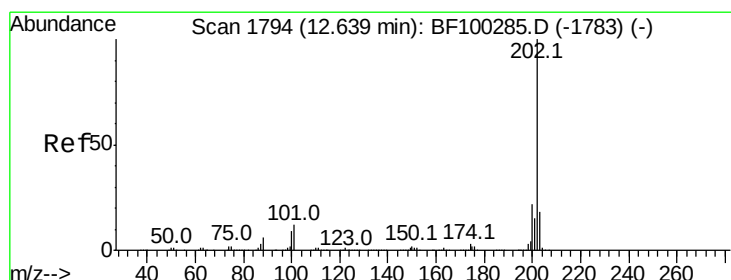
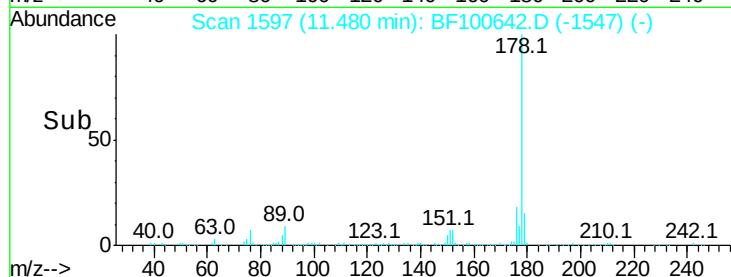
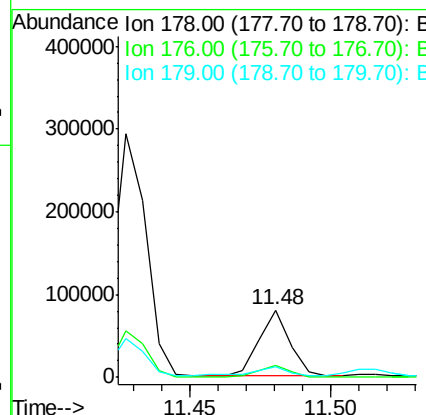
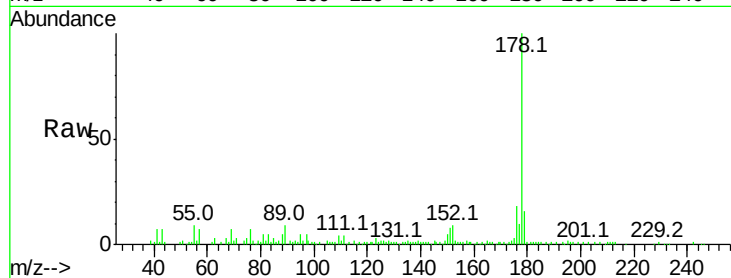
#71
 Anthracene
 Concen: 3.599 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF100642.D
 Acq: 16 Nov 2017 20:29

Instrument :
 BNA_F
 ClientSampleId :
 LEW-2-E(1-2)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	16.1	12.6	19.0

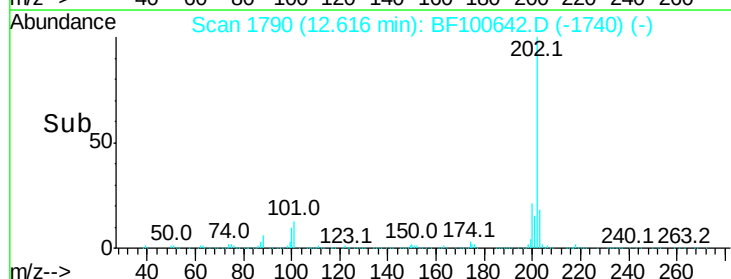
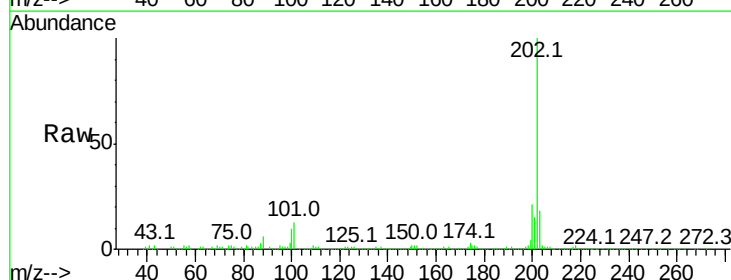
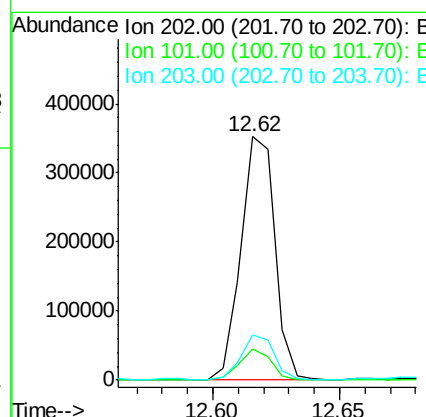
Manual Integrations
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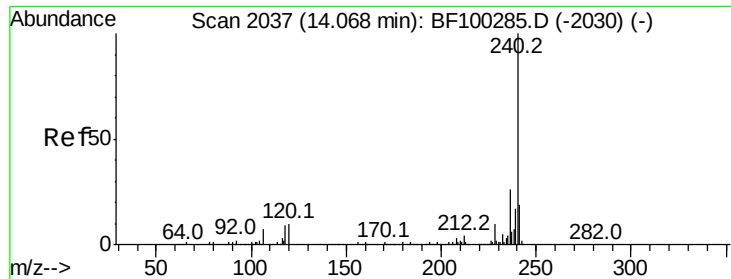
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#74
 Fluoranthene
 Concen: 18.756 ng
 RT: 12.62 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: BF100642.D
 Acq: 16 Nov 2017 20:29

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	34.1
203	18.3	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2033

Delta R.T. 0.00 min

Lab File: BF100642.D

Acq: 16 Nov 2017 20:29

Instrument :

BNA_F

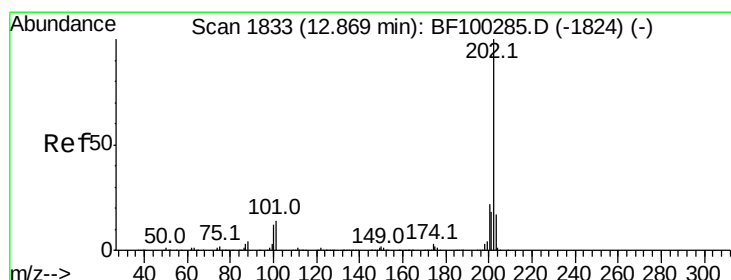
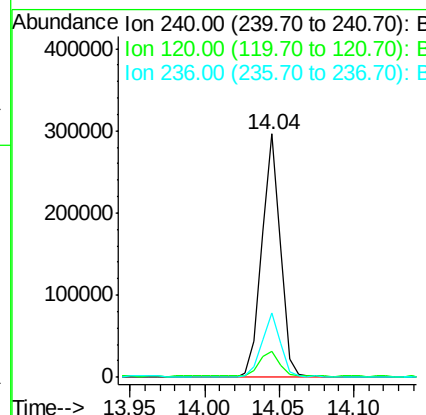
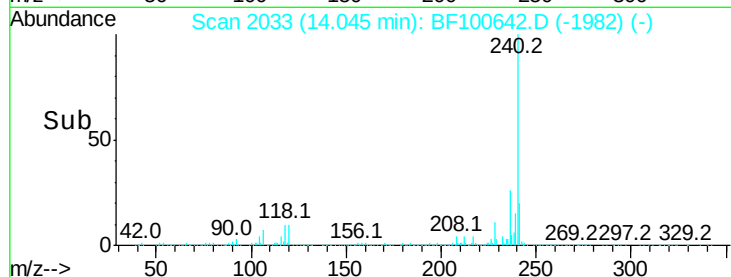
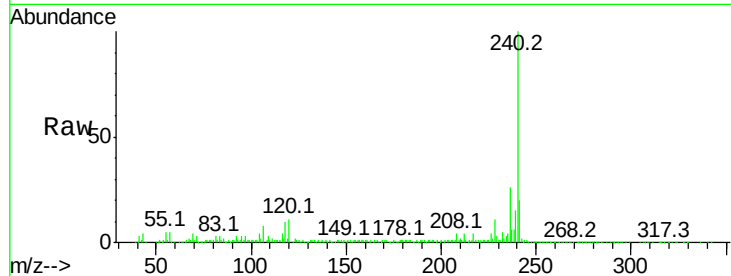
ClientSampleId :

LEW-2-E(1-2)

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.8	9.5	14.3
236	26.2	20.7	31.1

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#77

Pyrene

Concen: 18.082 ng

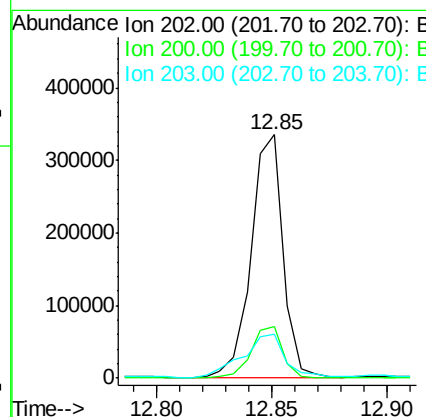
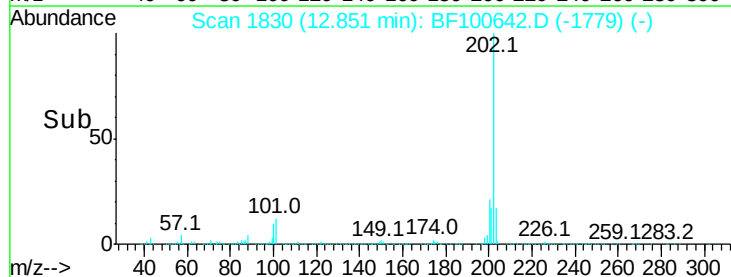
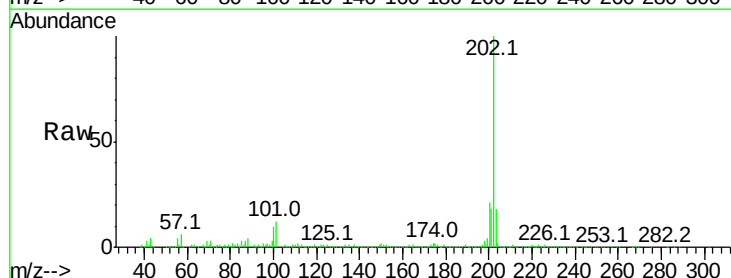
RT: 12.85 min Scan# 1830

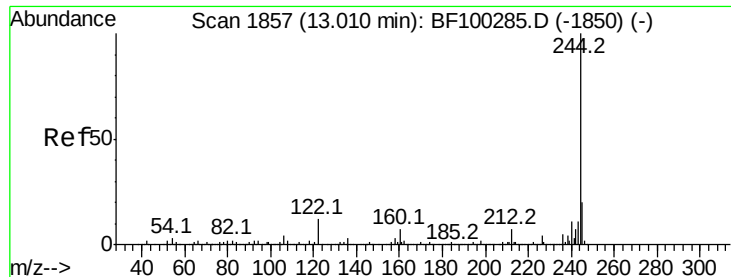
Delta R.T. 0.00 min

Lab File: BF100642.D

Acq: 16 Nov 2017 20:29

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.4	26.2
203	18.0	14.3	21.5





#78

Terphenyl-d14

Concen: 28.732 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF100642.D

Acq: 16 Nov 2017 20:29

Instrument :

BNA_F

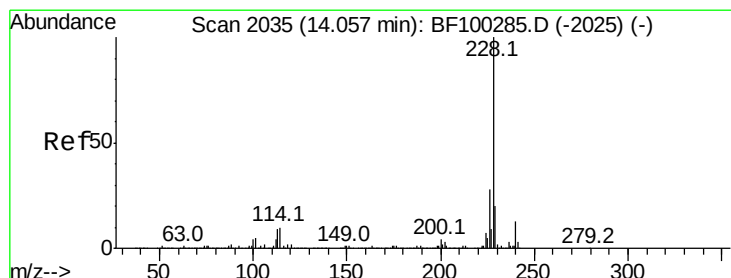
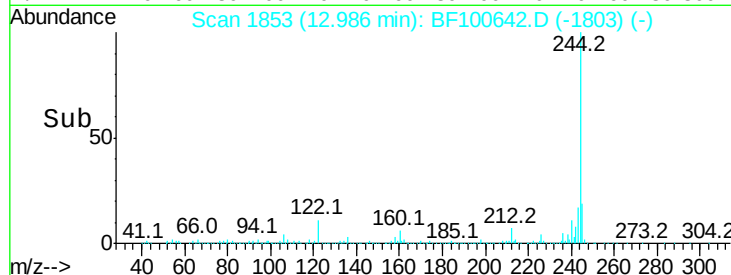
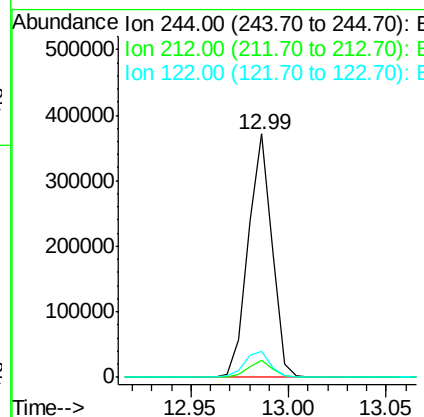
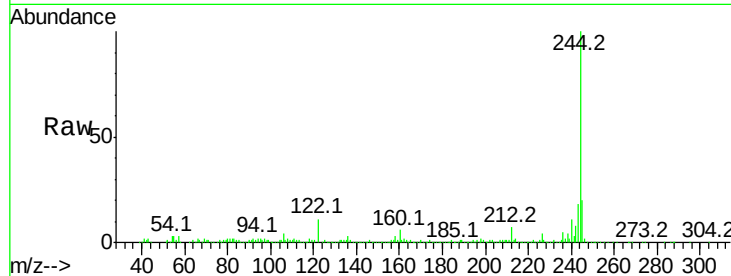
ClientSampleId :

LEW-2-E(1-2)

Tot Ion:	244	Resp:	311968
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.4	8.0
122	10.7	11.0	16.4#

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#80

Benzo(a)anthracene

Concen: 10.629 ng

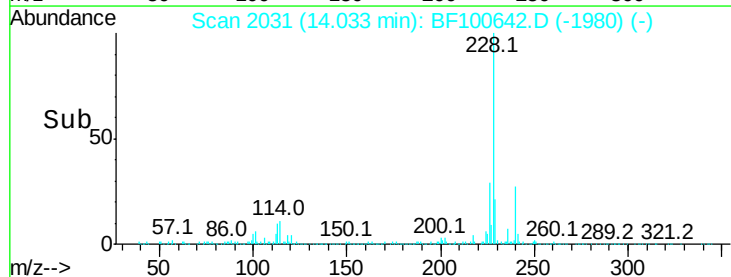
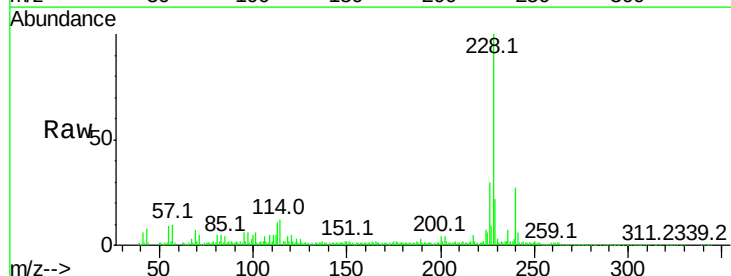
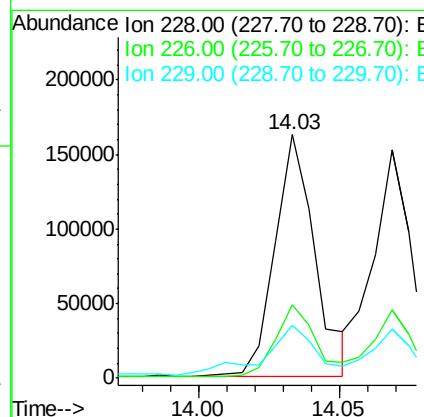
RT: 14.03 min Scan# 2031

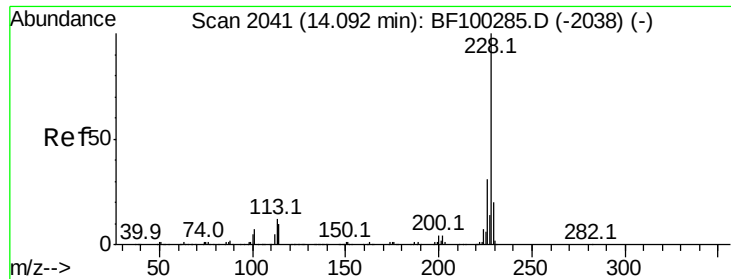
Delta R.T. 0.00 min

Lab File: BF100642.D

Acq: 16 Nov 2017 20:29

Tgt Ion:	228	Resp:	159690
Ion Ratio	Lower	Upper	
228	100		
226	30.1	22.6	33.8
229	21.8	15.8	23.6





#82

Chrysene

Concen: 9.674 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BF100642.D

Acq: 16 Nov 2017 20:29

Instrument :

BNA_F

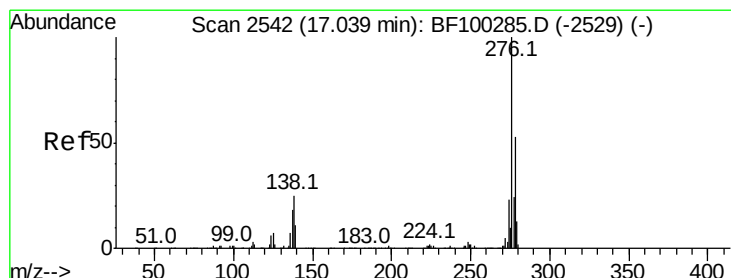
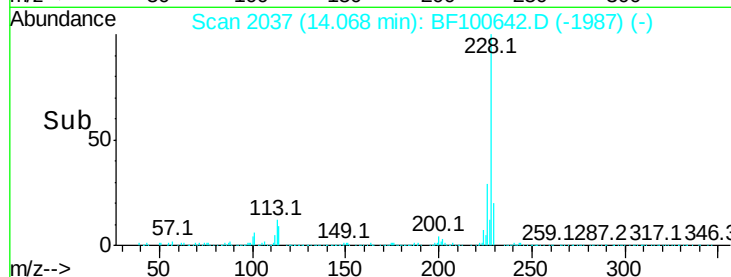
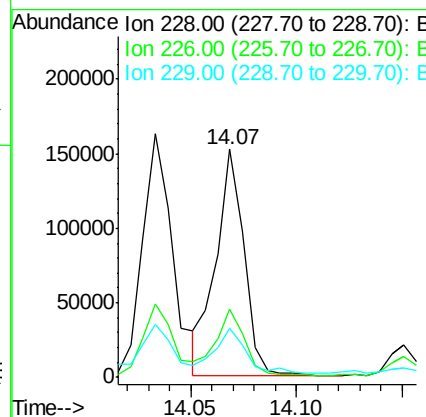
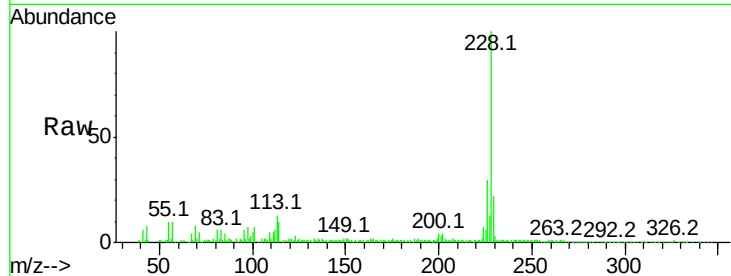
ClientSampleId :

LEW-2-E(1-2)

Tot Ion:	228	Resp:	140742
Ion Ratio	Lower	Upper	
228	100		
226	30.1	25.0	37.6
229	21.8	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 4.371 ng

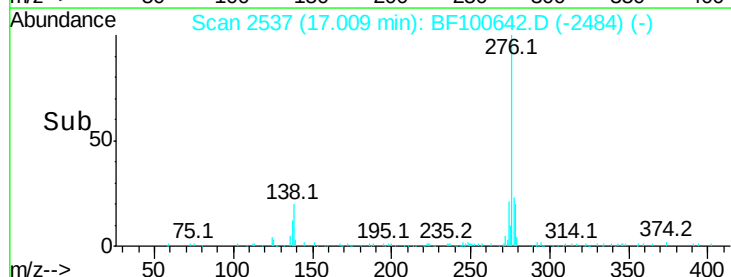
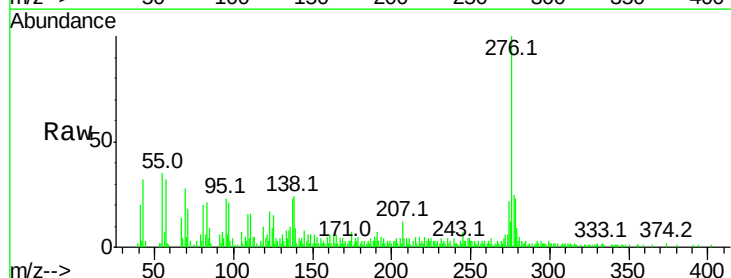
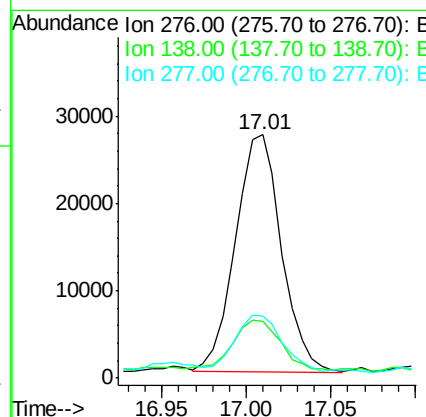
RT: 17.01 min Scan# 2537

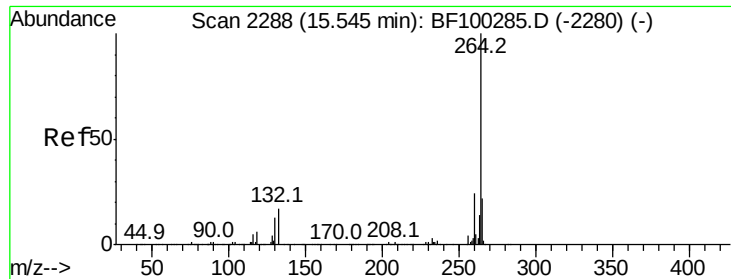
Delta R.T. 0.01 min

Lab File: BF100642.D

Acq: 16 Nov 2017 20:29

Tgt Ion:	276	Resp:	51440
Ion Ratio	Lower	Upper	
276	100		
138	22.7	25.0	37.6#
277	23.3	20.1	30.1





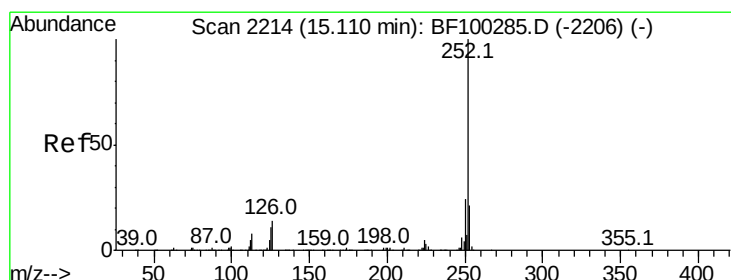
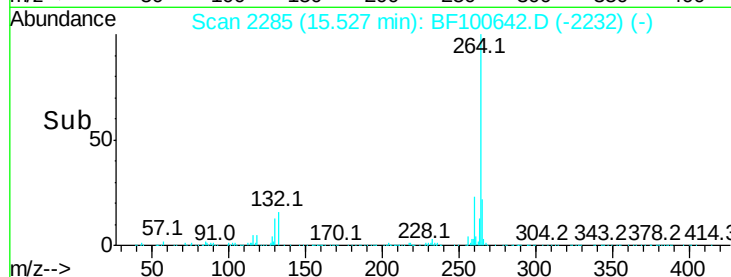
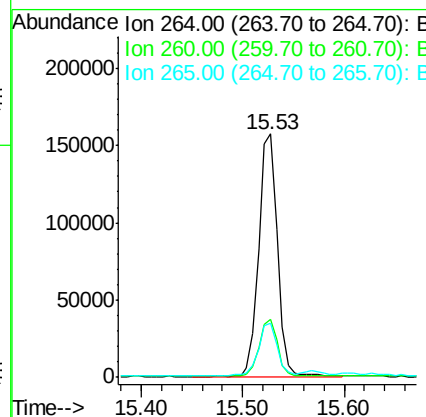
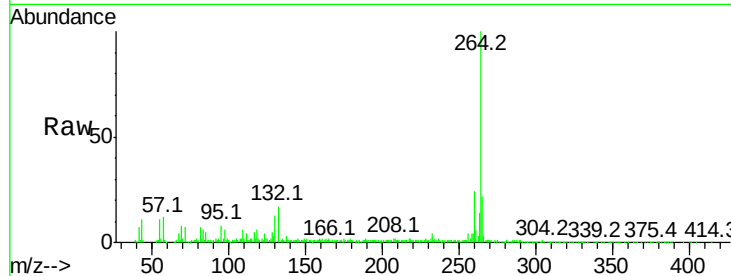
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2285
Delta R.T. 0.01 min
Lab File: BF100642.D
Acq: 16 Nov 2017 20:29

Instrument :
BNA_F
ClientSampleId :
LEW-2-E(1-2)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.2	17.5	26.3

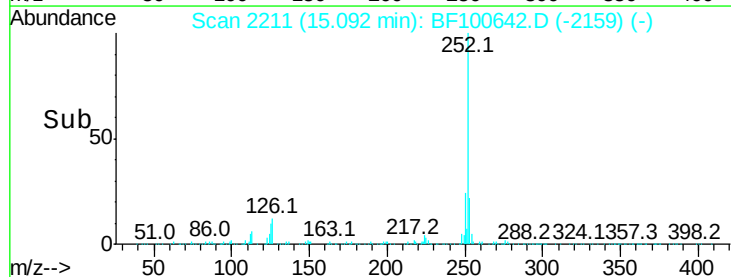
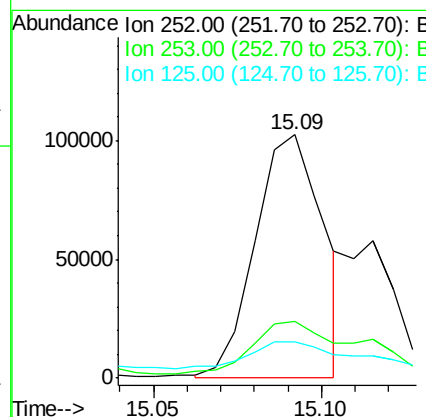
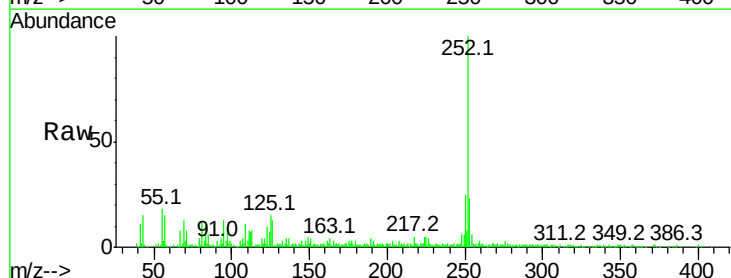
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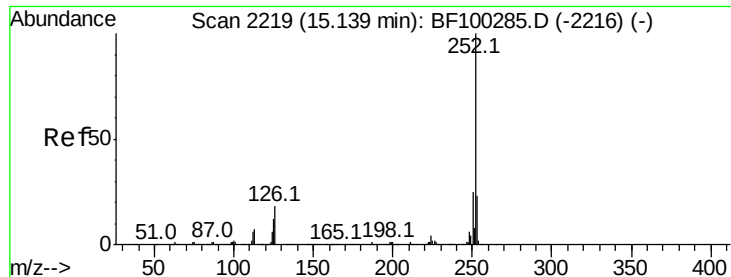
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#87
Benzo(b)fluoranthene
Concen: 12.178 ng m
RT: 15.09 min Scan# 2211
Delta R.T. 0.01 min
Lab File: BF100642.D
Acq: 16 Nov 2017 20:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	14.8	9.0	13.6





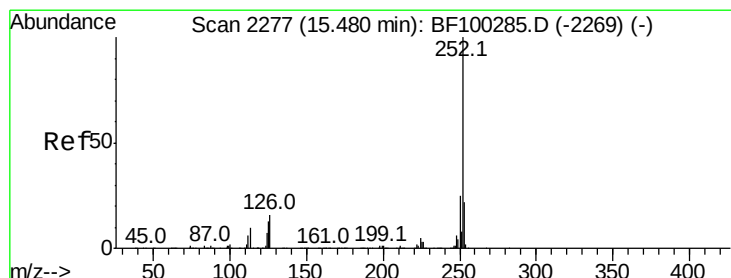
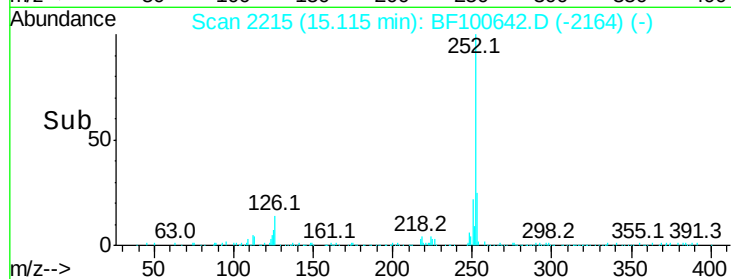
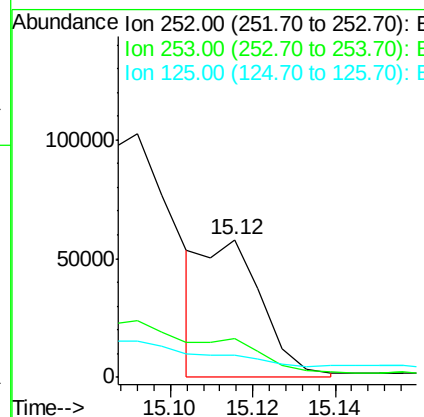
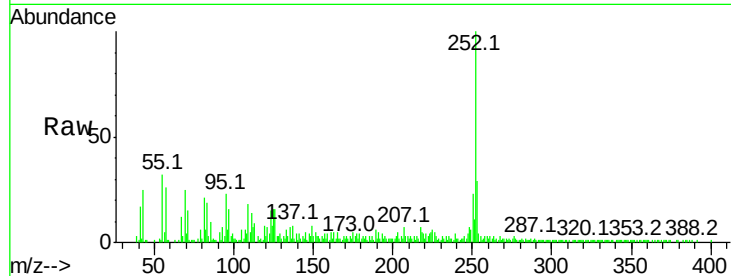
#88
Benzo(k)fluoranthene
Concen: 5.126 ng m
RT: 15.12 min Scan# 2215
Delta R.T. 0.00 min
Lab File: BF100642.D
Acq: 16 Nov 2017 20:29

Instrument :
BNA_F
ClientSampleId :
LEW-2-E(1-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.5	17.9	26.9#
125	16.4	10.2	15.2#

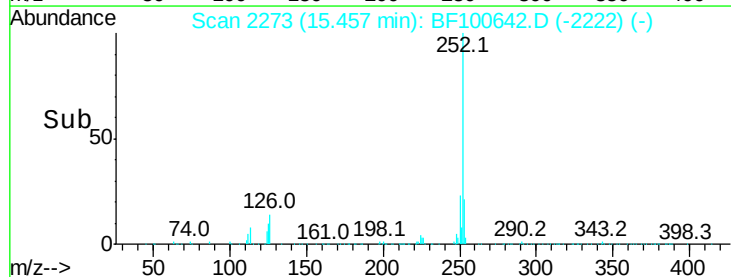
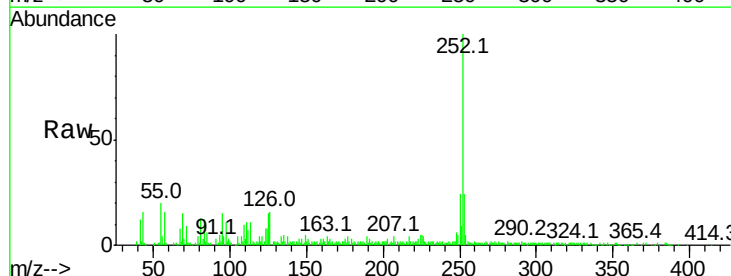
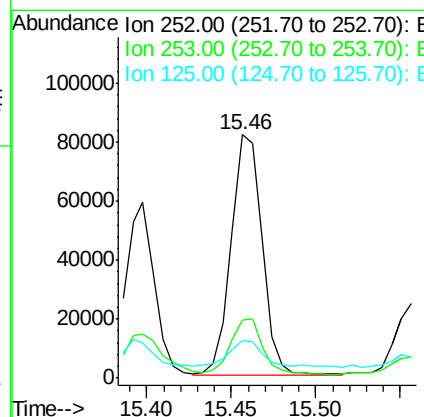
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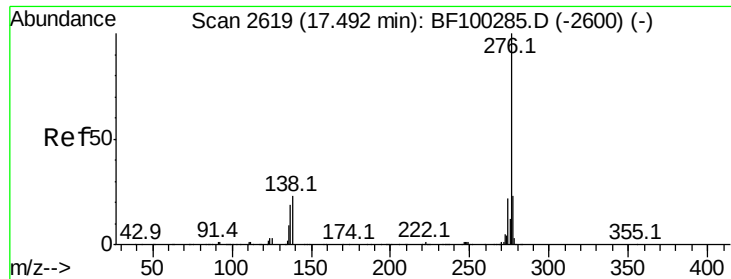
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#89
Benzo(a)pyrene
Concen: 9.843 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.00 min
Lab File: BF100642.D
Acq: 16 Nov 2017 20:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.1	25.7
125	15.4	9.8	14.6#





#91
 Benzo(a,h,i)perylene
 Concen: 6.327 ng
 RT: 17.46 min Scan# 2613
 Delta R.T. 0.01 min
 Lab File: BF100642.D
 Acq: 16 Nov 2017 20:29

Instrument :
 BNA_F
 ClientSampleId :
 LEW-2-E(1-2)

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.0	17.9	26.9
138	24.5	21.8	32.8

Manual Integrations
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